

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
 Data File : BF112272.D
 Acq On : 28 Jan 2019 14:08
 Operator : JU/SJ
 Sample : K1258-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

Manual Integrations
 APPROVED

mohammad
 1/29/2019 9:34:56 AM

Quant Time: Jan 29 00:49:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	248114	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	965348	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	475660	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	889609	20.00	ng	0.00
76) Chrysene-d12	14.01	240	645998	20.00	ng	0.00
87) Perylene-d12	15.47	264	558925	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1816834	155.54	ng	0.01
7) Phenol-d6	6.50	99	2316439	142.71	ng	0.00
23) Nitrobenzene-d5	7.41	82	1523662	90.94	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	743635	134.31	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2906579	86.42	ng	0.00
79) Terphenyl-d14	12.95	244	2849902	83.09	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.69	88	213019	45.778	ng	96
3) Pyridine	3.44	79	515069	43.514	ng	99
4) n-Nitrosodimethylamine	3.39	42	298906	60.105	ng	97
6) Aniline	6.51	93	663967	34.387	ng	# 19
8) 2-Chlorophenol	6.64	128	706796	44.978	ng	98
9) Benzaldehyde	6.39	77	126667	14.930	ng	95
10) Phenol	6.51	94	862306	48.423	ng	96
11) bis(2-Chloroethyl)ether	6.58	93	628523	44.831	ng	99
12) 1,3-Dichlorobenzene	6.79	146	763444	41.717	ng	99
13) 1,4-Dichlorobenzene	6.86	146	776652	41.236	ng	99
14) 1,2-Dichlorobenzene	7.02	146	725629	41.149	ng	96
15) Benzyl Alcohol	6.99	79	587905	42.967	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.12	45	799583	44.419	ng	# 50
17) 2-Methylphenol	7.11	107	564385	45.307	ng	# 91
18) Hexachloroethane	7.35	117	282373	42.694	ng	100
19) n-Nitroso-di-n-propylamine	7.26	70	475814	42.513	ng	97
20) 3+4-Methylphenols	7.26	107	704304	44.214	ng	# 76
22) Acetophenone	7.25	105	945229	40.212	ng	98
24) Nitrobenzene	7.43	77	717940	42.908	ng	98
25) Isophorone	7.67	82	1311837	49.912	ng	97
26) 2-Nitrophenol	7.75	139	400316	44.769	ng	99
27) 2,4-Dimethylphenol	7.79	122	632689	51.355	ng	97
28) bis(2-Chloroethoxy)methane	7.87	93	825670	46.136	ng	98
29) 2,4-Dichlorophenol	7.99	162	633446	45.946	ng	99
30) 1,2,4-Trichlorobenzene	8.07	180	683161	43.109	ng	99
31) Naphthalene	8.15	128	2035372	45.086	ng	99
32) Benzoic acid	7.92	122	202202	28.773	ng	92
33) 4-Chloroaniline	8.19	127	501640	25.520	ng	98
34) Hexachlorobutadiene	8.26	225	382045	41.082	ng	97
35) Caprolactam	8.58	113	195271m	40.149	ng	
36) 4-Chloro-3-methylphenol	8.70	107	639522	43.818	ng	99
37) 2-Methylnaphthalene	8.84	142	1469897	47.562	ng	98
38) 1-Methylnaphthalene	8.94	142	1372301	46.328	ng	97
40) 1,2,4,5-Tetrachlorobenzene	9.01	216	663002	42.452	ng	98

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012819\
 Data File : BF112272.D
 Acq On : 28 Jan 2019 14:08
 Operator : JU/SJ
 Sample : K1258-01MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

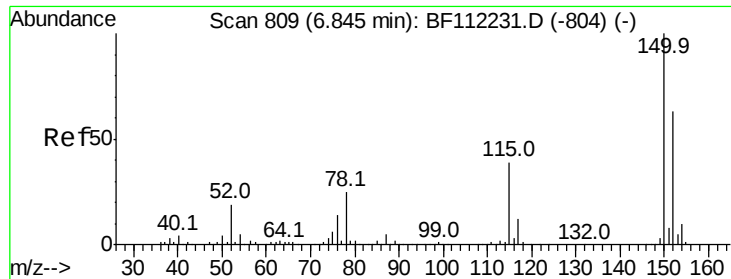
Manual Integrations
 APPROVED

mohammad
 1/29/2019 9:34:56 AM

Quant Time: Jan 29 00:49:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	538828	89.724	ng	98
43) 2,4,6-Trichlorophenol	9.13	196	432521	44.929	ng	99
44) 2,4,5-Trichlorophenol	9.17	196	453024	45.026	ng	98
46) 1,1'-Biphenyl	9.30	154	1745472	41.975	ng	98
47) 2-Chloronaphthalene	9.33	162	1347366	41.783	ng	95
48) 2-Nitroaniline	9.43	65	380090	43.245	ng	93
49) Acenaphthylene	9.75	152	2120056	44.855	ng	100
50) Dimethylphthalate	9.60	163	1802863	48.783	ng	99
51) 2,6-Dinitrotoluene	9.67	165	366539	44.285	ng	# 88
52) Acenaphthene	9.92	154	1240538	43.937	ng	99
53) 3-Nitroaniline	9.84	138	268354	29.927	ng	93
54) 2,4-Dinitrophenol	9.96	184	245232	92.323	ng	98
55) Dibenzofuran	10.09	168	1828157	42.370	ng	94
56) 4-Nitrophenol	10.03	139	424081	89.455	ng	96
57) 2,4-Dinitrotoluene	10.08	165	465892	44.215	ng	# 86
58) Fluorene	10.43	166	1452176	44.976	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.22	232	366596	48.215	ng	94
60) Diethylphthalate	10.30	149	1556379	42.437	ng	100
61) 4-Chlorophenyl-phenylether	10.42	204	708168	40.320	ng	97
62) 4-Nitroaniline	10.46	138	374361	42.564	ng	96
63) Azobenzene	10.58	77	1376557	42.677	ng	98
65) 4,6-Dinitro-2-methylphenol	10.49	198	210543	42.212	ng	90
66) n-Nitrosodiphenylamine	10.54	169	1324659	44.181	ng	99
67) 4-Bromophenyl-phenylether	10.91	248	452208	43.219	ng	97
68) Hexachlorobenzene	10.99	284	487611	43.437	ng	99
69) Atrazine	11.07	200	403198	41.677	ng	97
70) Pentachlorophenol	11.19	266	390421	89.383	ng	100
71) Phenanthrene	11.39	178	2070488	44.768	ng	99
72) Anthracene	11.45	178	2134068	46.322	ng	99
73) Carbazole	11.60	167	1902761	41.870	ng	98
74) Di-n-butylphthalate	11.92	149	2342892	41.535	ng	100
75) Fluoranthene	12.58	202	2123042	42.799	ng	99
77) Benzidine	12.70	184	594276	33.424	ng	95
78) Pyrene	12.81	202	2126480	47.545	ng	99
80) Butylbenzylphthalate	13.42	149	989058	45.707	ng	93
81) Benzo(a)anthracene	14.00	228	1765724	46.497	ng	100
82) 3,3'-Dichlorobenzidine	13.95	252	395720	27.844	ng	99
83) Chrysene	14.04	228	1619404	44.674	ng	99
84) Bis(2-ethylhexyl)phthalate	13.97	149	1351559	44.002	ng	98
85) Di-n-octyl phthalate	14.58	149	2055535	43.496	ng	99
86) Indeno(1,2,3-cd)pyrene	16.96	276	1548536	53.912	ng	97
88) Benzo(b)fluoranthene	15.04	252	1632649	48.843	ng	99
89) Benzo(k)fluoranthene	15.08	252	1395868	43.597	ng	97
90) Benzo(a)pyrene	15.42	252	1465297	48.719	ng	100
91) Dibenzo(a,h)anthracene	16.97	278	1285917	53.049	ng	98
92) Benzo(g,h,i)perylene	17.40	276	1288179	56.328	ng	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.85 min Scan# 809

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

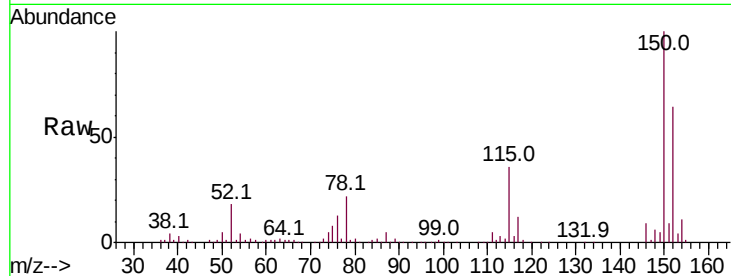
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.4	191.0
115	55.9	45.5	68.3

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM

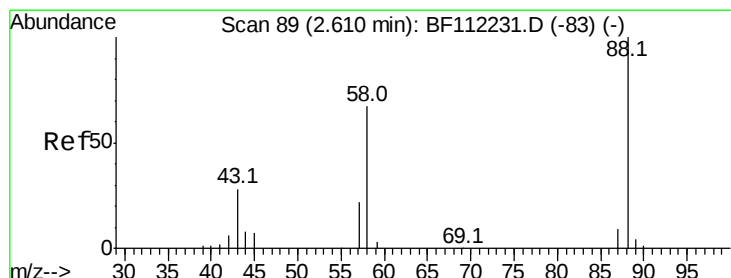
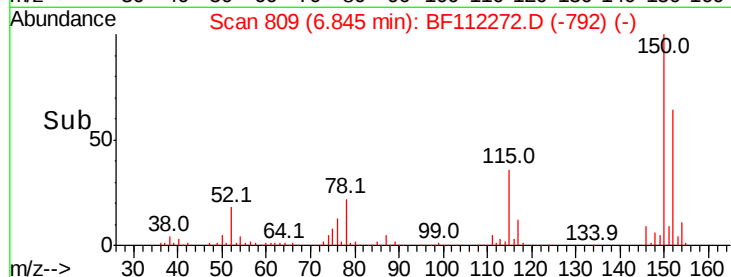
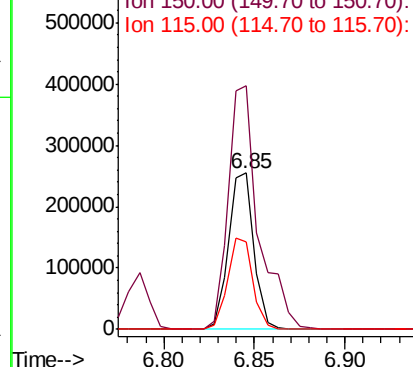


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 45.778 ng

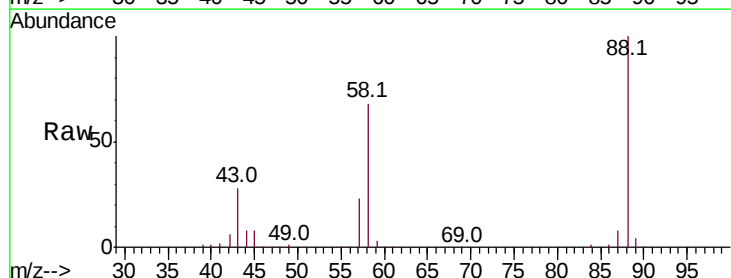
RT: 2.69 min Scan# 102

Delta R.T. 0.08 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
88	100		
58	68.3	57.4	86.2
43	29.7	22.2	33.4

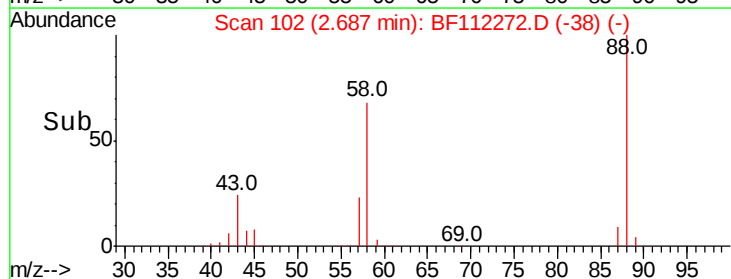
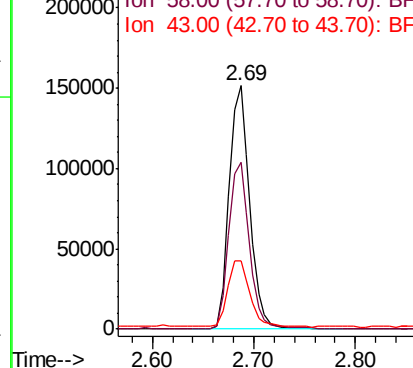


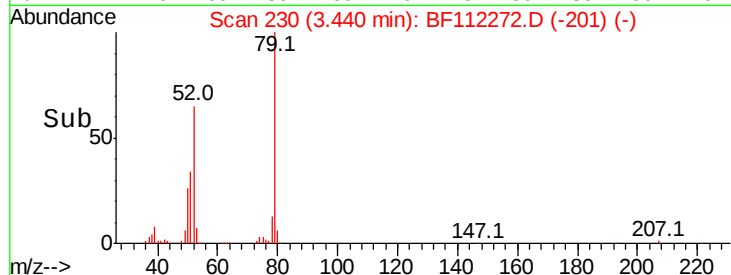
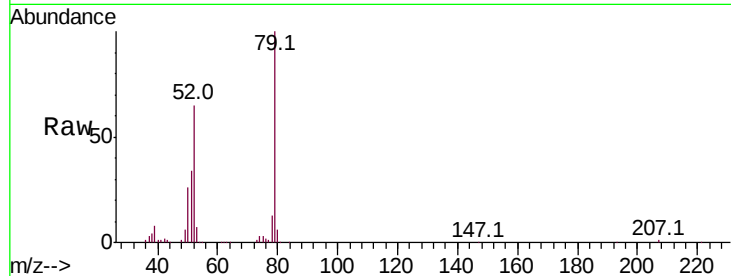
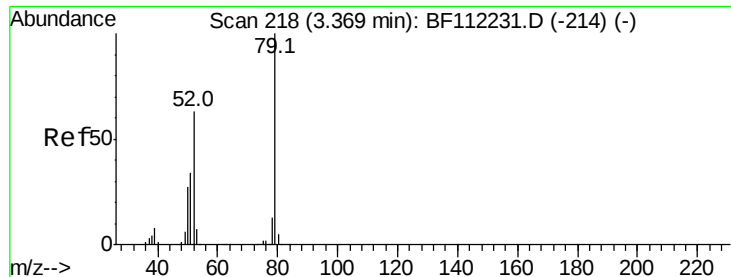
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





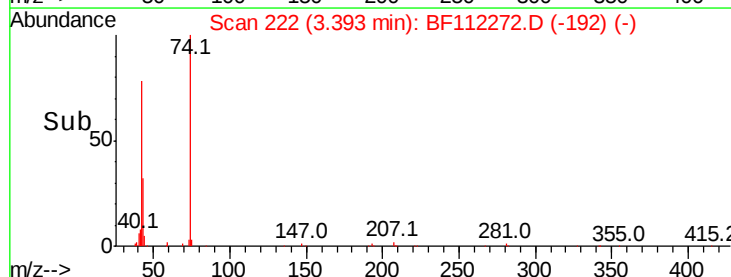
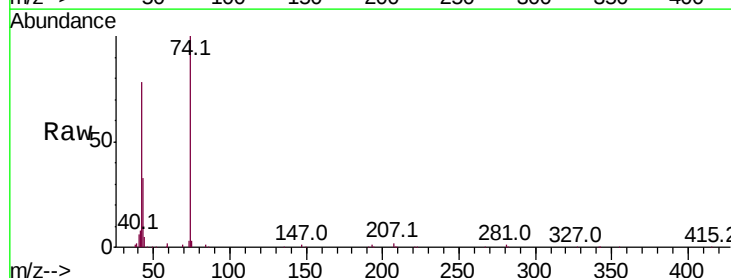
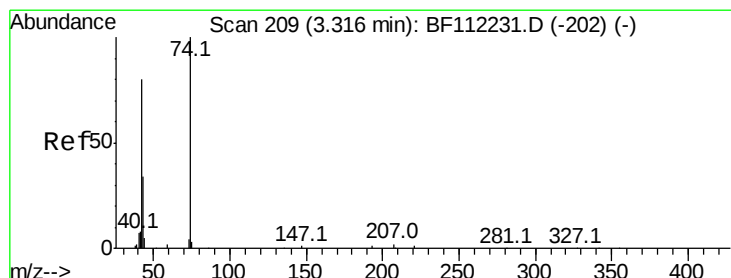
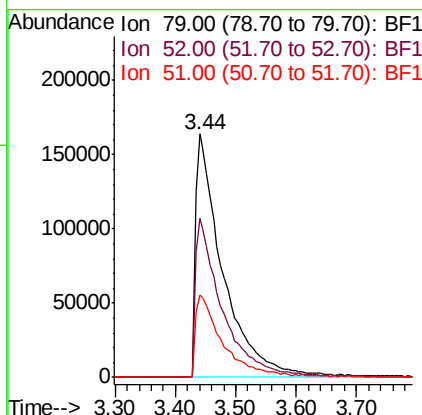
#3
Pvridine
Concen: 43.514 ng
RT: 3.44 min Scan# 230
Delta R.T. 0.07 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tot Ion	Ratio	Lower	Upper
79	100		
52	65.4	52.4	78.6
51	33.8	26.1	39.1

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

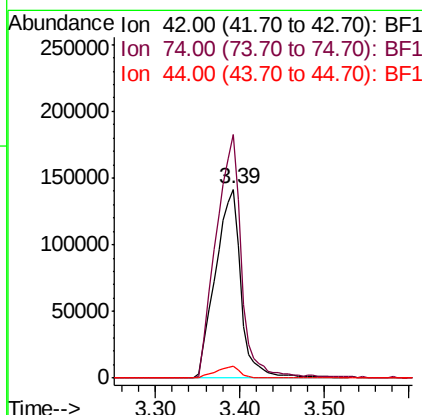
Manual Integrations
APPROVED

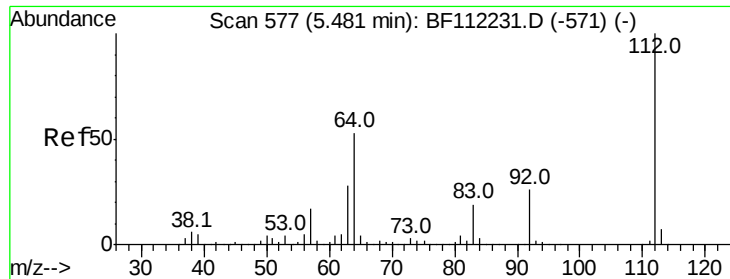
mohammad
1/29/2019 9:34:56 AM



#4
n-Nitrosodimethylamine
Concen: 60.105 ng
RT: 3.39 min Scan# 222
Delta R.T. 0.08 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
42	100		
74	128.9	105.6	158.4
44	6.1	5.4	8.2





#5

2-Fluorophenol

Concen: 155.536 ng

RT: 5.49 min Scan# 579

Delta R.T. 0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:112 Resp: 1816834

Ion Ratio Lower Upper

112 100

64 55.2 45.7 68.5

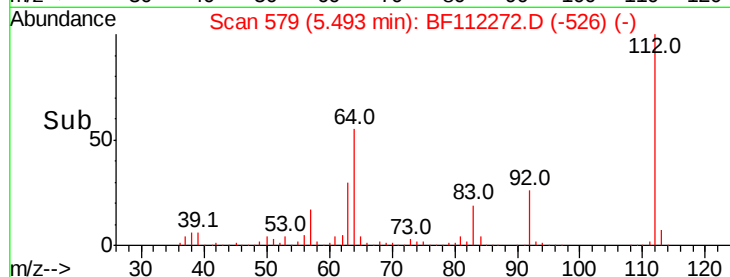
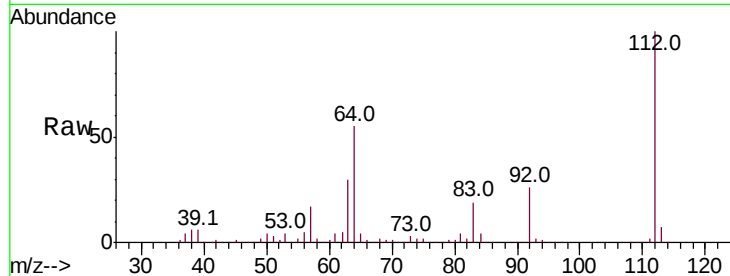
63 30.5 23.6 35.4

Manual Integrations

APPROVED

mohammad

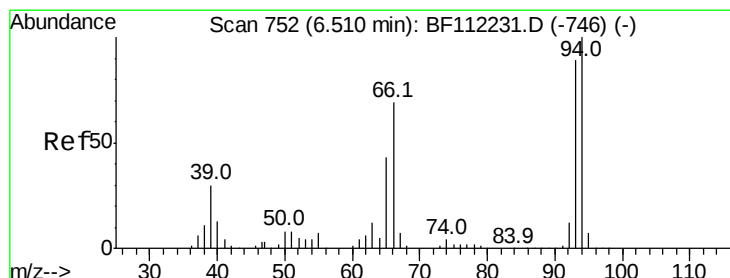
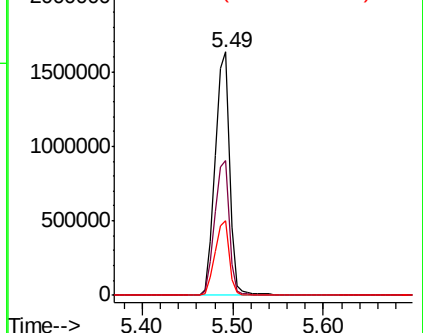
1/29/2019 9:34:56 AM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 34.387 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

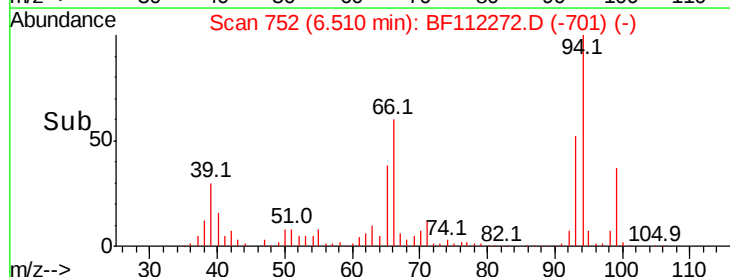
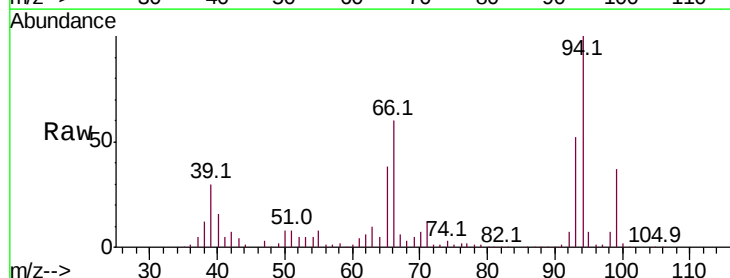
Tgt Ion: 93 Resp: 663967

Ion Ratio Lower Upper

93 100

66 115.3 43.4 65.2#

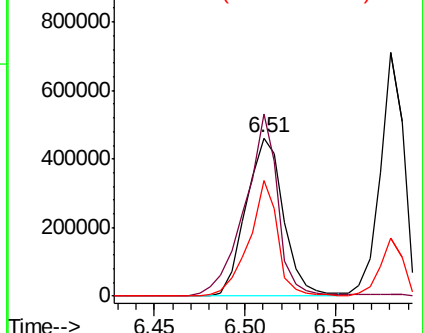
65 73.4 25.3 37.9#

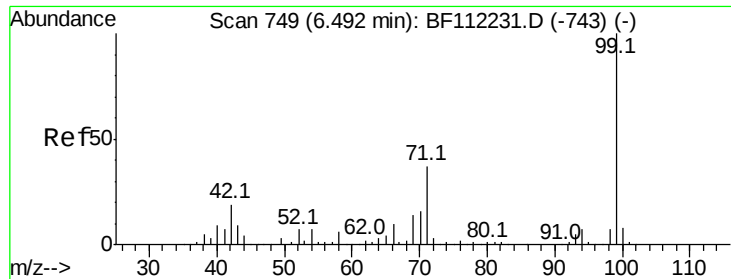


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 142.713 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion: 99 Resp: 2316439

Ion Ratio Lower Upper

99 100

42 19.5 15.1 22.7

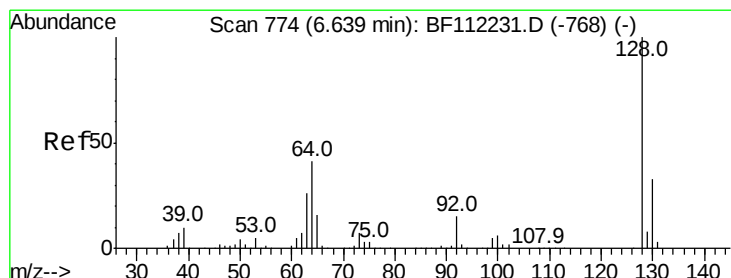
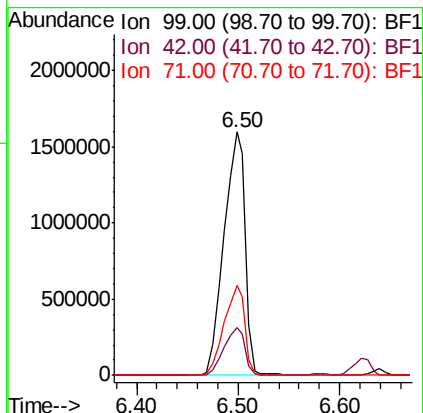
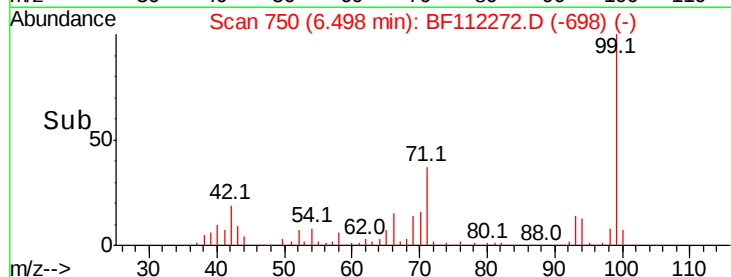
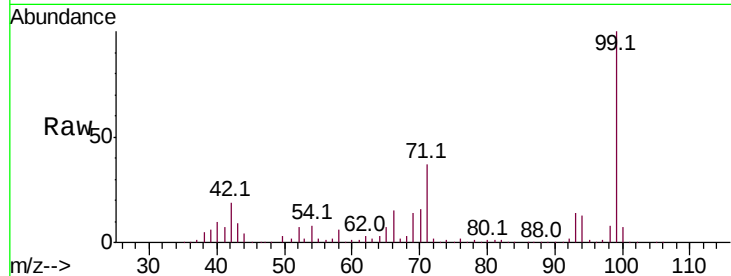
71 37.2 26.9 40.3

Manual Integrations

APPROVED

mohammad

1/29/2019 9:34:56 AM



#8

2-Chlorophenol

Concen: 44.978 ng

RT: 6.64 min Scan# 774

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

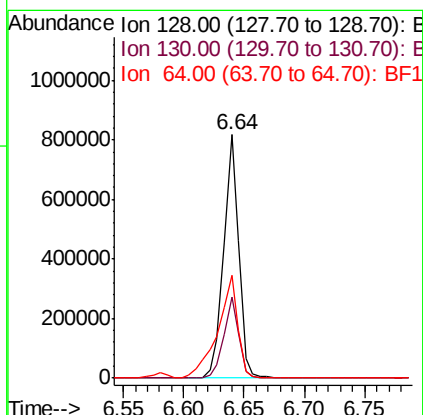
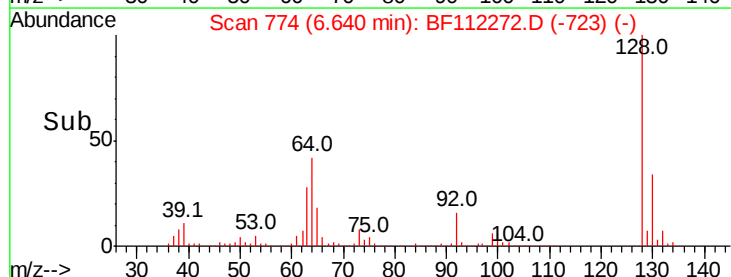
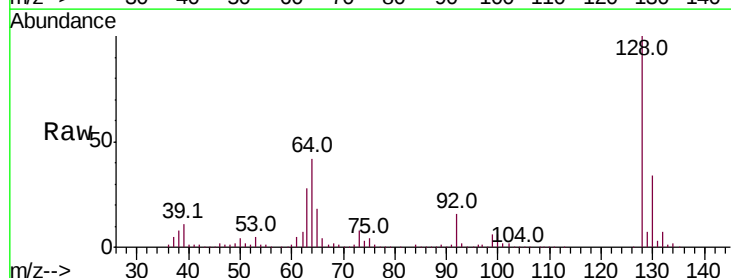
Tgt Ion:128 Resp: 706796

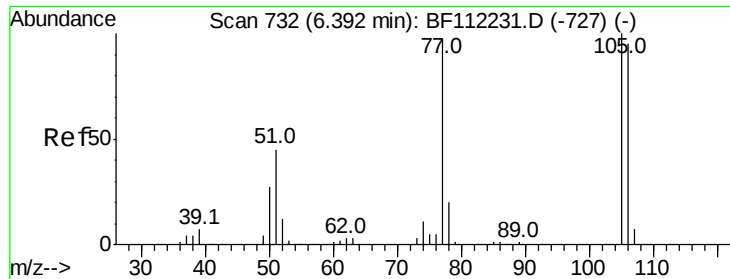
Ion Ratio Lower Upper

128 100

130 33.5 13.4 53.4

64 42.4 20.5 60.5





#9

Benzaldehyde

Concen: 14.930 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

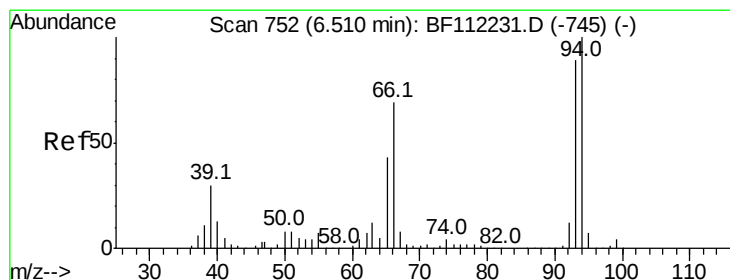
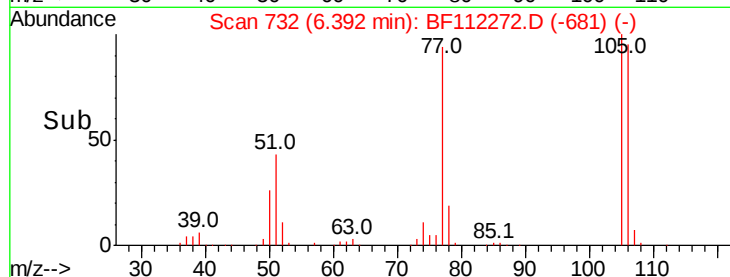
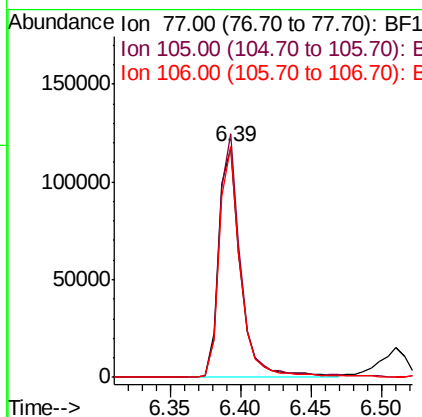
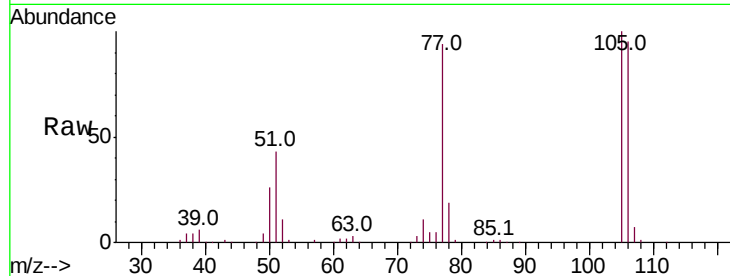
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:	77	Resp:	126667
Ion	Ratio	Lower	Upper
77	100		
105	106.0	80.8	120.8
106	100.6	75.7	115.7

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



#10

Phenol

Concen: 48.423 ng

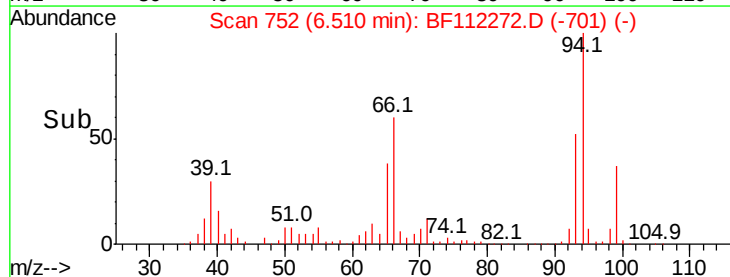
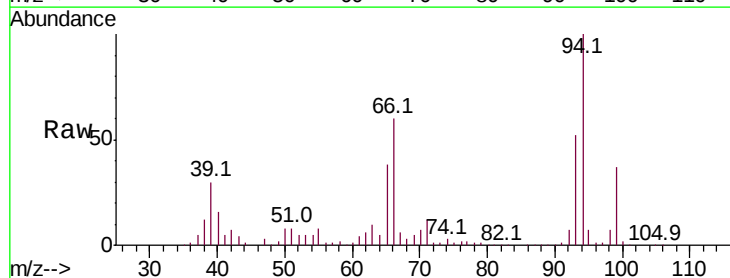
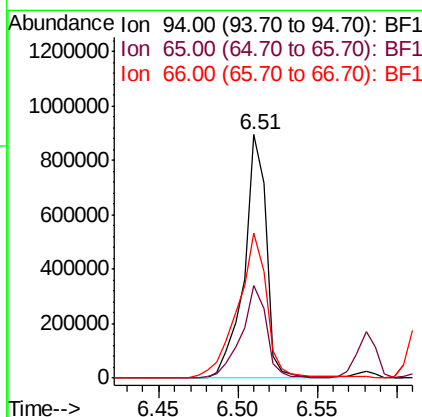
RT: 6.51 min Scan# 752

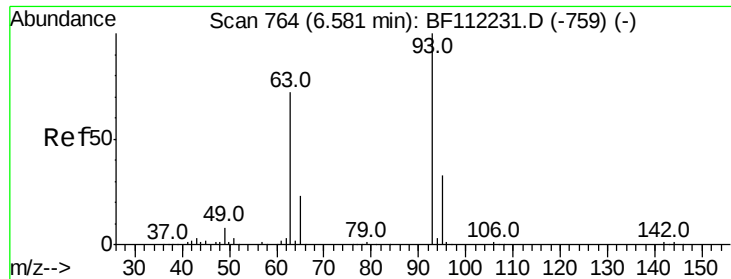
Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Tgt Ion:	94	Resp:	862306
Ion	Ratio	Lower	Upper
94	100		
65	37.9	20.3	60.3
66	59.5	42.4	82.4





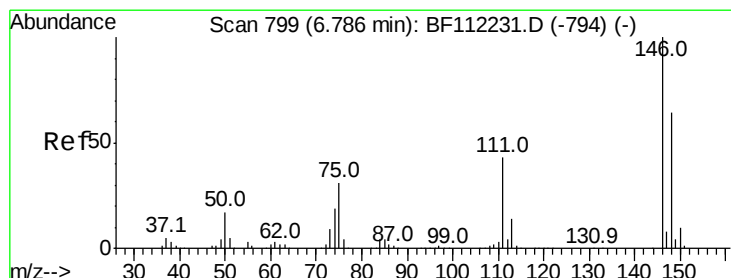
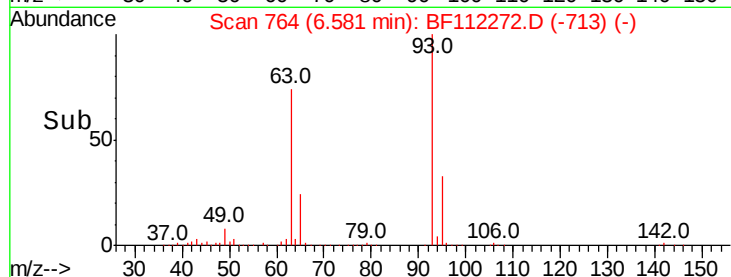
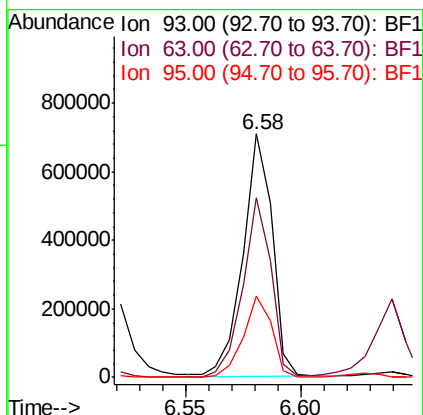
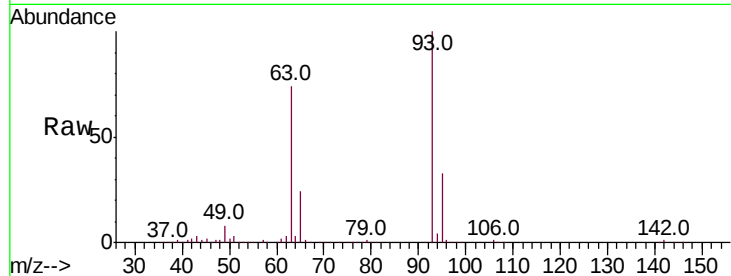
#11
bis(2-Chloroethyl)ether
Concen: 44.831 ng
RT: 6.58 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
93	100		
63	73.7	53.3	93.3
95	33.0	13.4	53.4

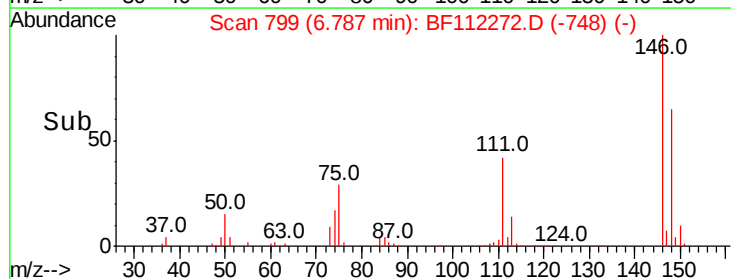
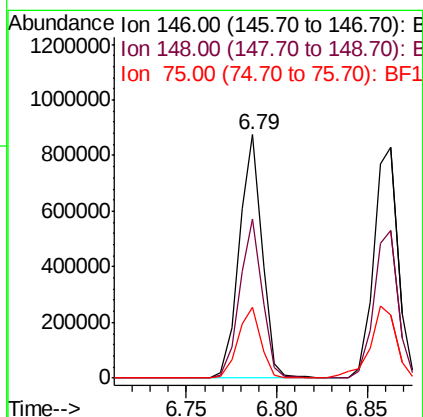
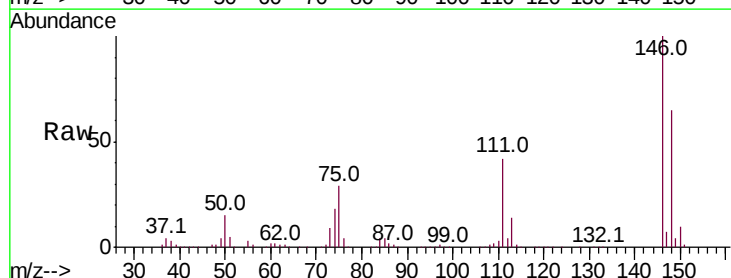
Manual Integrations
APPROVED

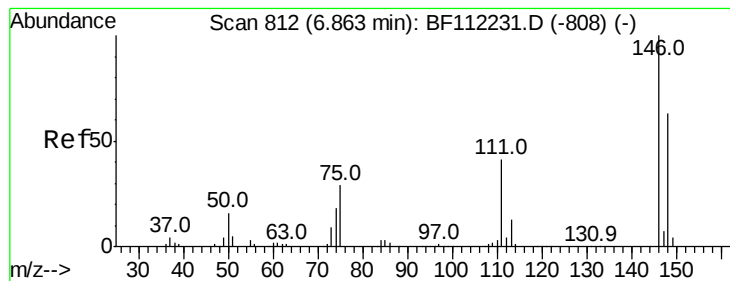
mohammad
1/29/2019 9:34:56 AM



#12
1,3-Dichlorobenzene
Concen: 41.717 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.3	51.8	77.8
75	29.2	23.1	34.7





#13

1,4-Dichlorobenzene

Concen: 41.236 ng

RT: 6.86 min Scan# 812

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

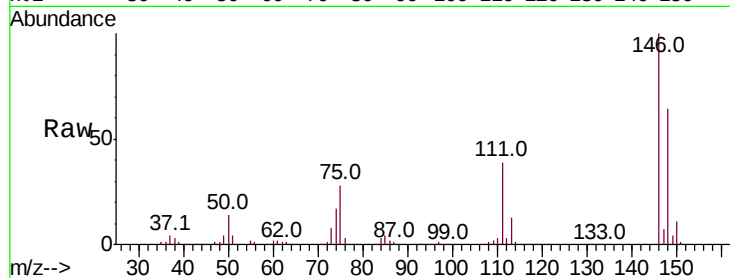
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

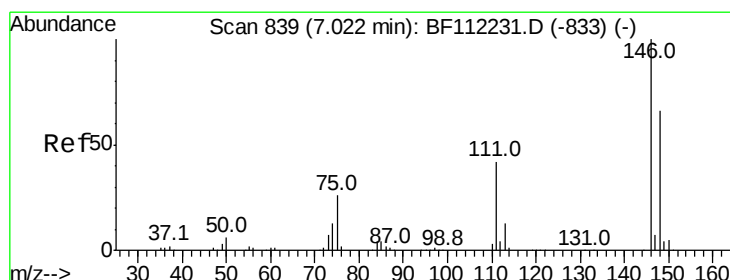
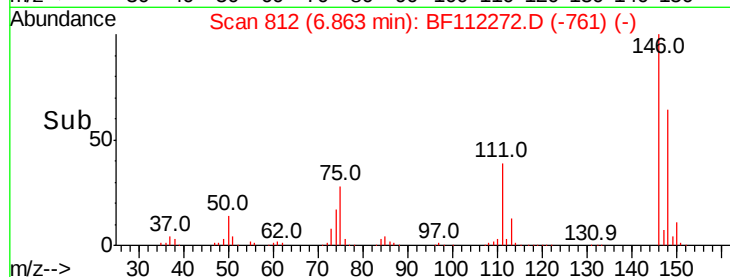
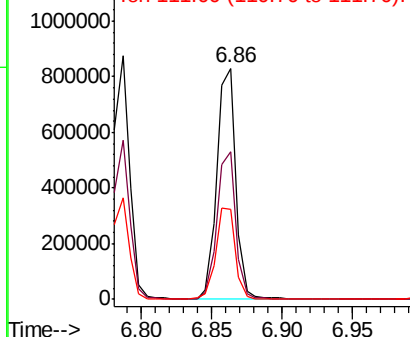
Tot Ion:	146	Resp:	776652
Ion Ratio	Lower	Upper	
146	100		
148	64.0	52.0	78.0
111	38.9	31.2	46.8

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 41.149 ng

RT: 7.02 min Scan# 838

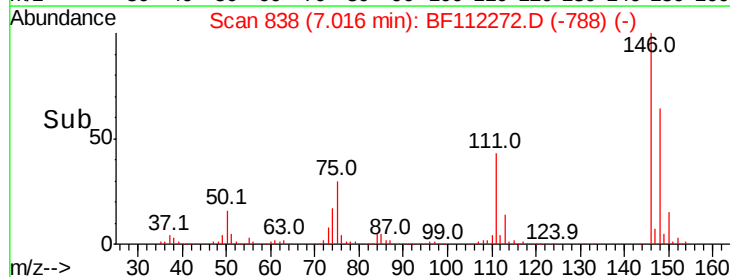
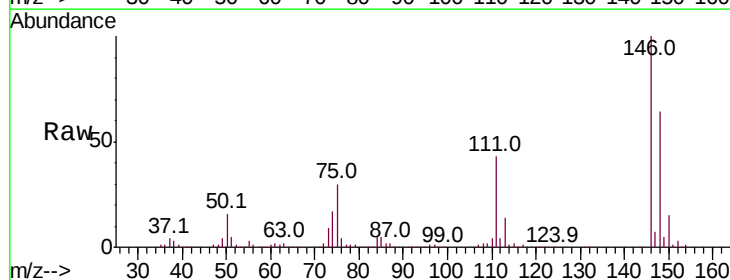
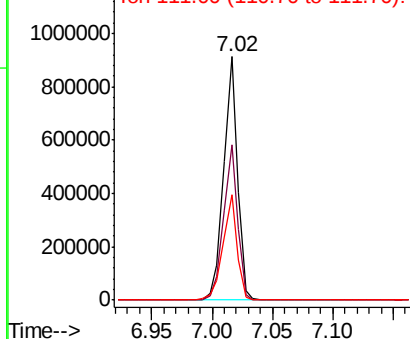
Delta R.T. -0.01 min

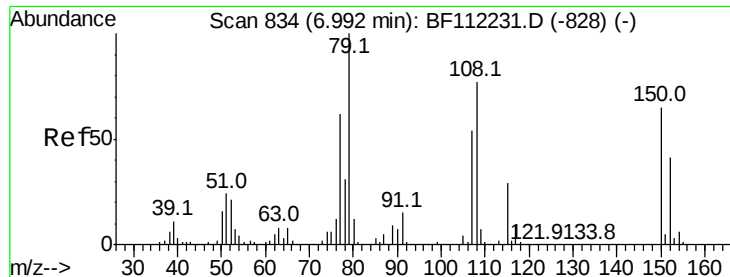
Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Tgt Ion:	146	Resp:	725629
Ion Ratio	Lower	Upper	
146	100		
148	63.8	52.2	78.4
111	43.0	31.2	46.8

Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





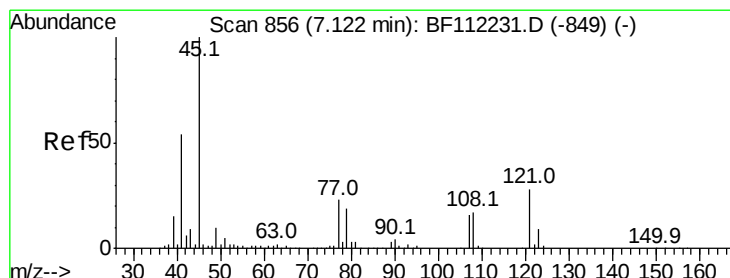
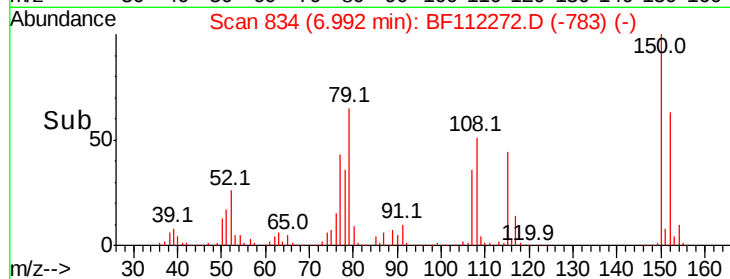
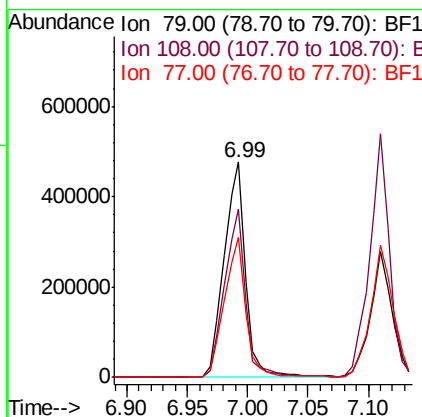
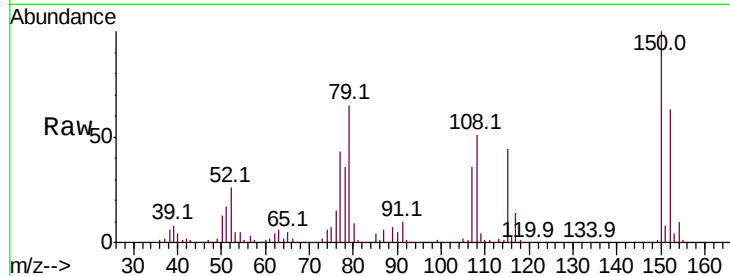
#15
Benzyl Alcohol
Concen: 42.967 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
79	100		
108	78.0	64.2	96.2
77	65.2	50.3	75.5

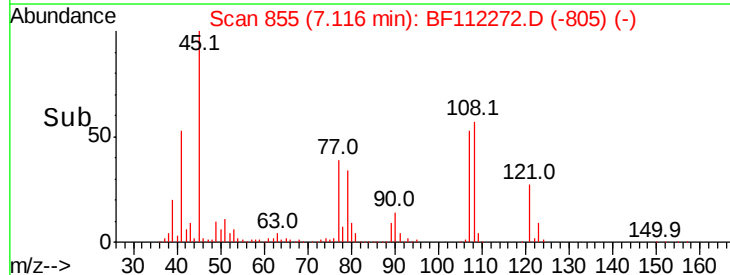
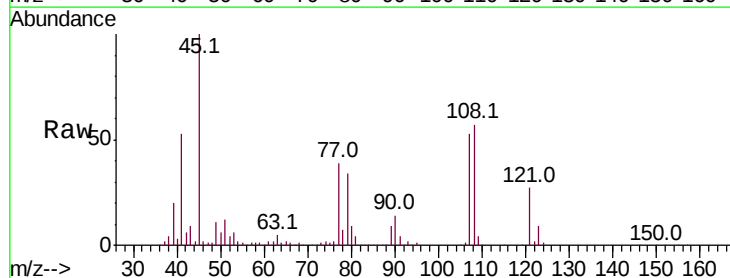
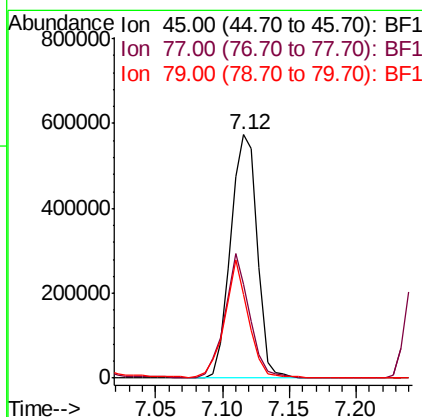
Manual Integrations
APPROVED

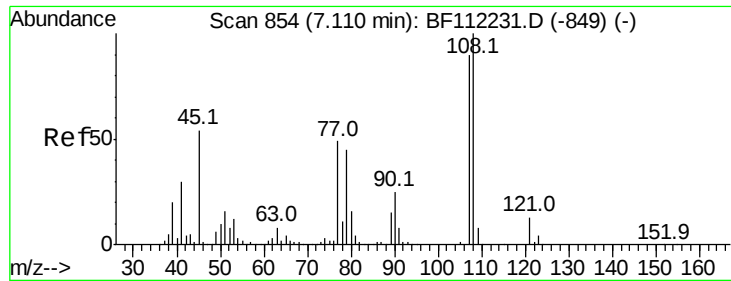
mohammad
1/29/2019 9:34:56 AM



#16
2,2'-oxybis(1-chloropropane)
Concen: 44.419 ng
RT: 7.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
45	100		
77	38.6	0.0	36.9#
79	34.1	0.0	34.0#





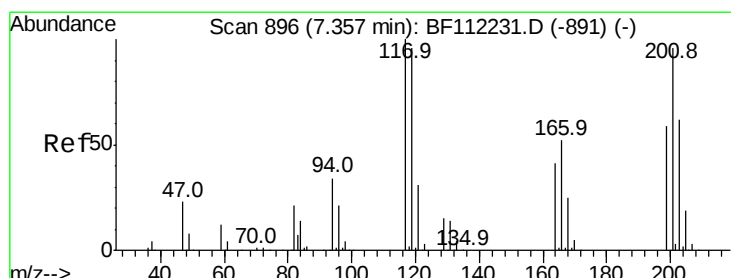
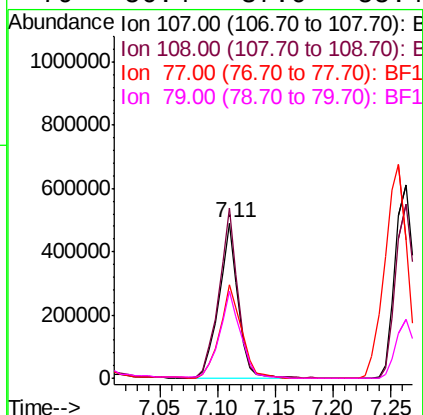
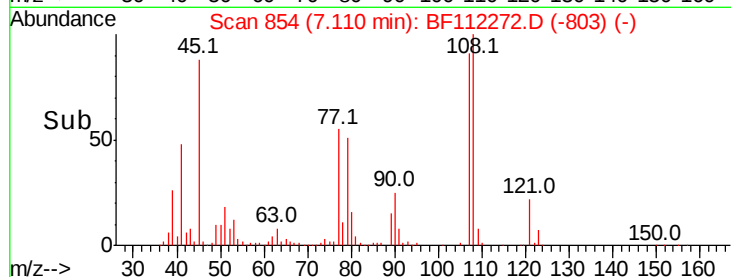
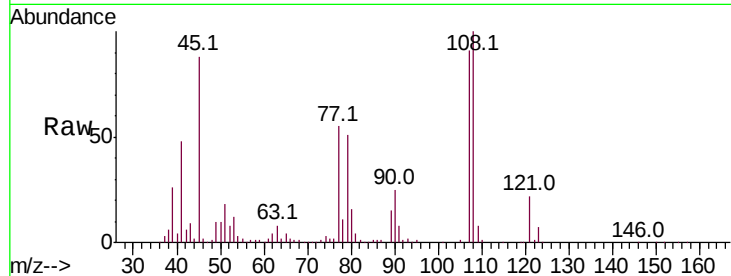
#17
2-Methylphenol
Concen: 45.307 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.6	91.3	136.9	
77	59.8	39.0	58.6#	
79	56.4	37.0	55.4#	

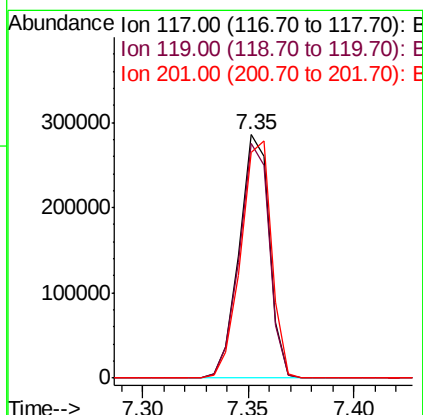
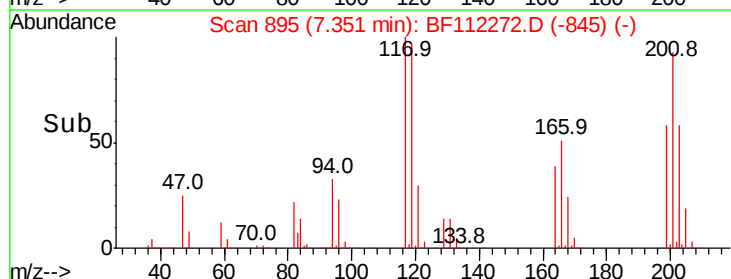
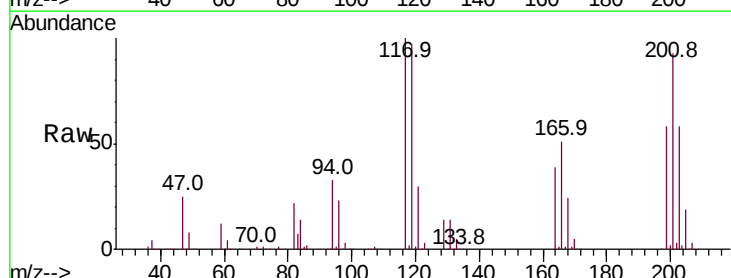
Manual Integrations
APPROVED

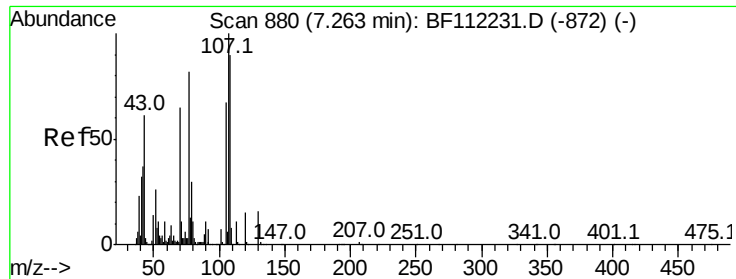
mohammad
1/29/2019 9:34:56 AM



#18
Hexachloroethane
Concen: 42.694 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.5	77.0	115.4	
201	92.7	74.1	111.1	





#19

n-Nitroso-di-n-propylamine

Concen: 42.513 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

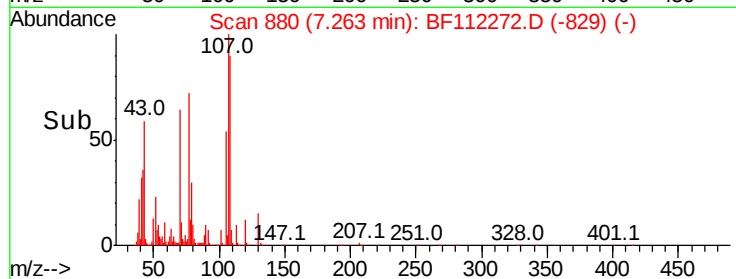
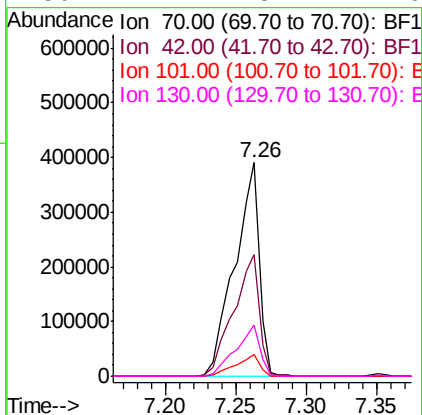
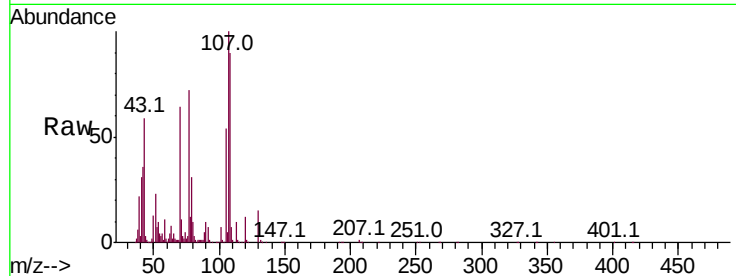
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
70	100		
42	56.7	47.6	71.4
101	10.2	7.9	11.9
130	24.2	18.4	27.6

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



#20

3+4-Methylphenols

Concen: 44.214 ng

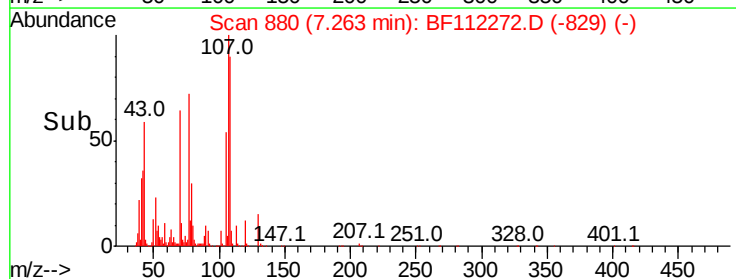
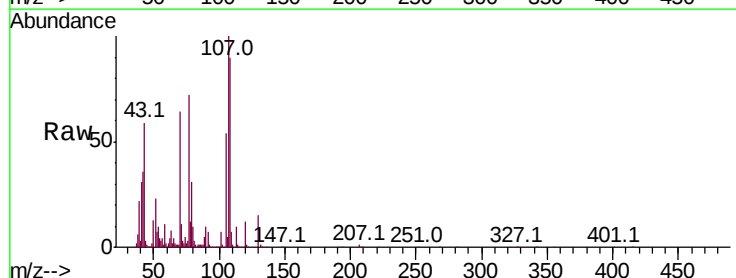
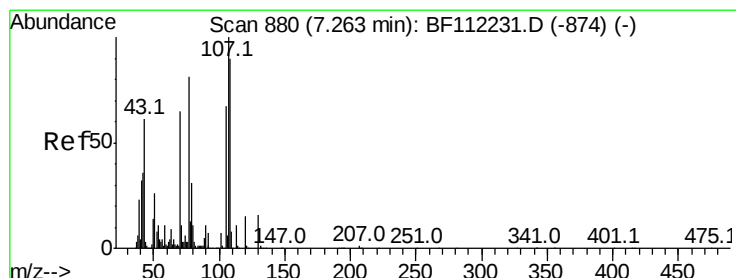
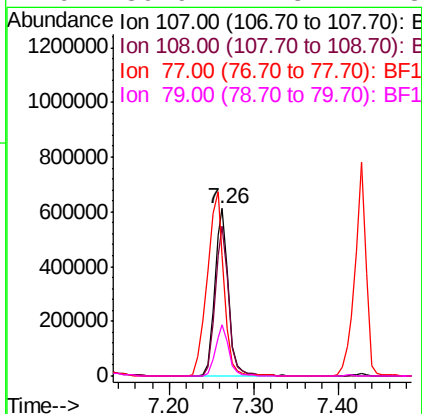
RT: 7.26 min Scan# 880

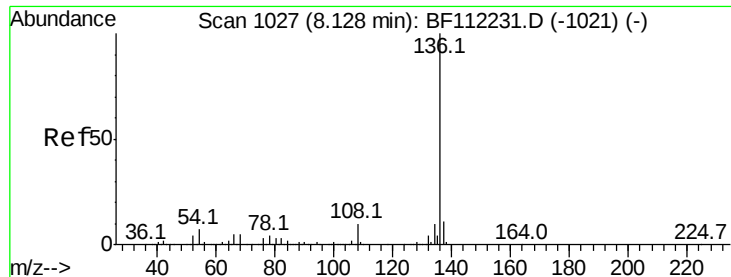
Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.7	68.2	108.2
77	71.7	100.7	140.7#
79	30.6	7.3	47.3





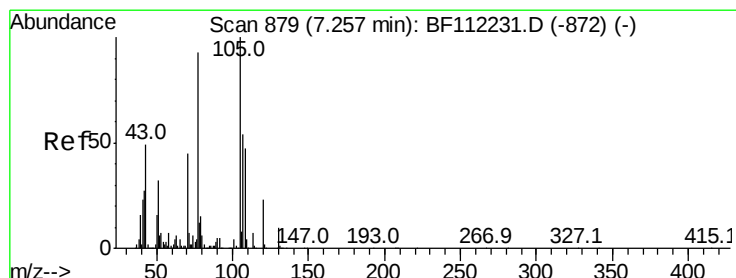
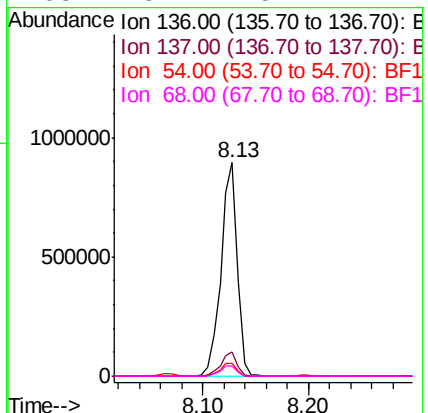
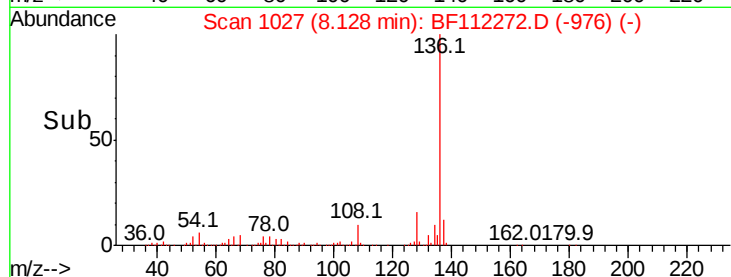
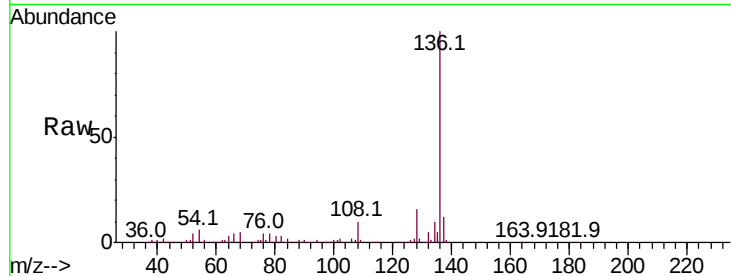
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.6	9.1	13.7	
54	6.1	5.9	8.9	
68	5.1	5.1	7.7#	

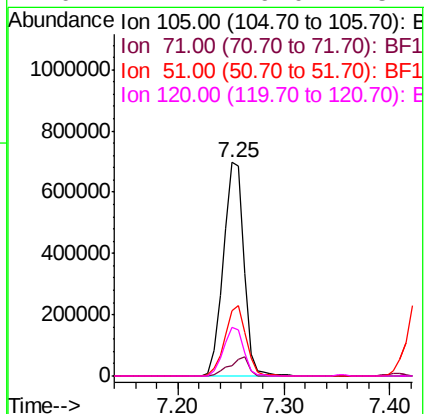
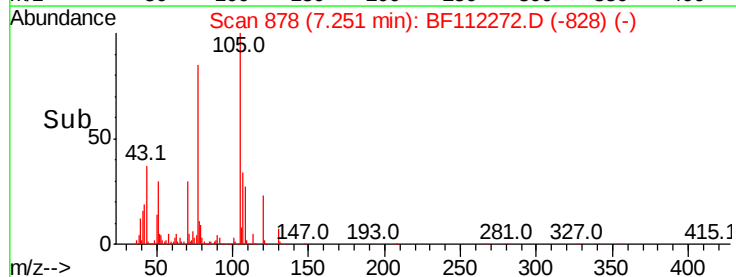
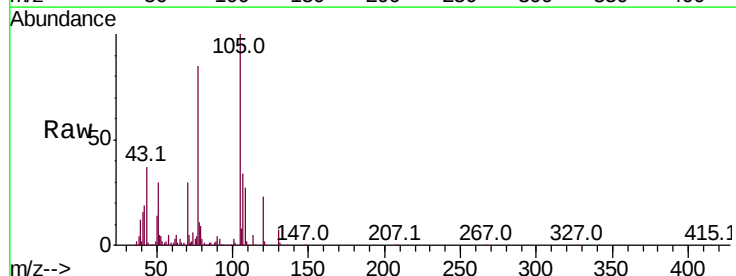
Manual Integrations
APPROVED

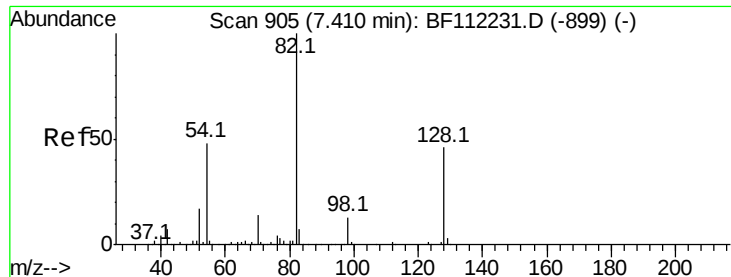
mohammad
1/29/2019 9:34:56 AM



#22
Acetophenone
Concen: 40.212 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	4.9	4.6	6.8	
51	30.3	25.0	37.6	
120	22.7	19.0	28.4	





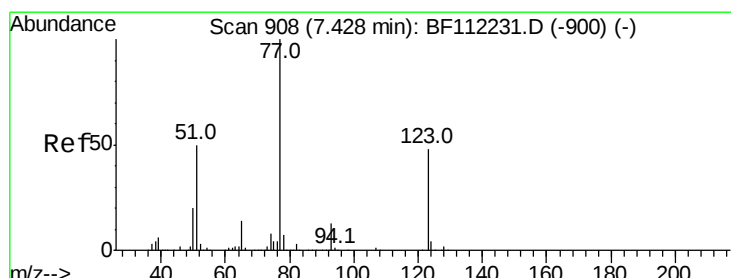
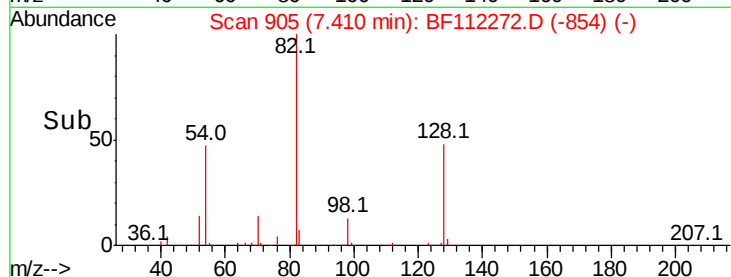
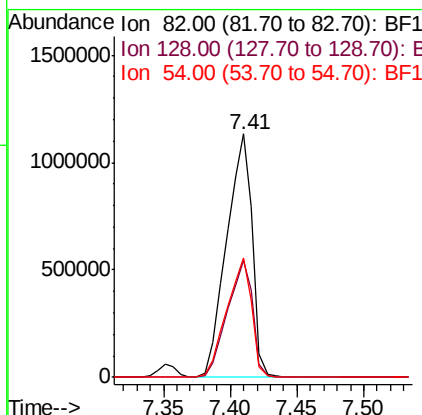
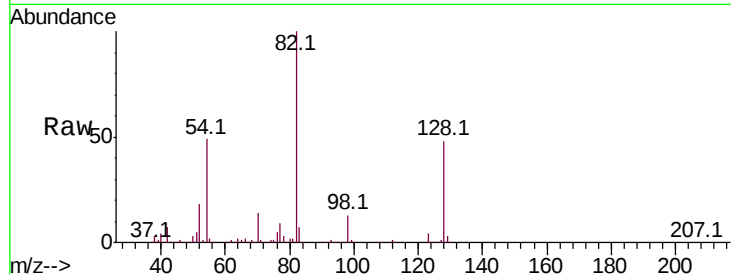
#23
Nitrobenzene-d5
Concen: 90.944 ng
RT: 7.41 min Scan# 905
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion: 82 Resp: 1523662
Ion Ratio Lower Upper
82 100
128 48.0 37.8 56.8
54 49.0 39.7 59.5

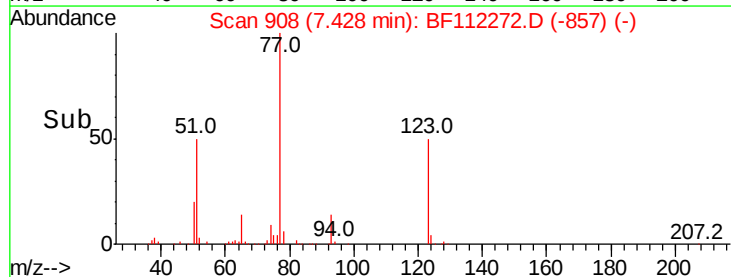
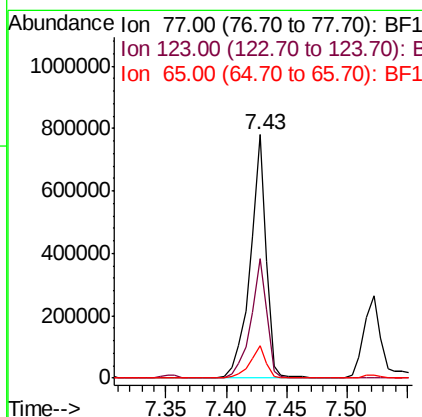
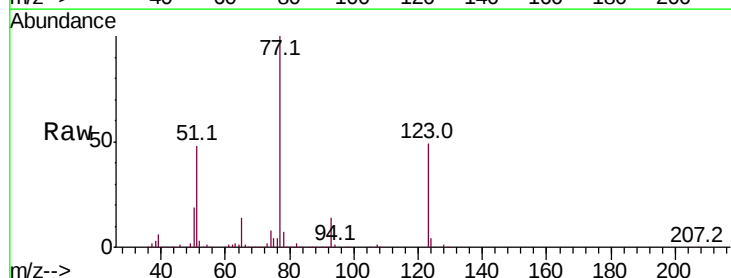
Manual Integrations
APPROVED

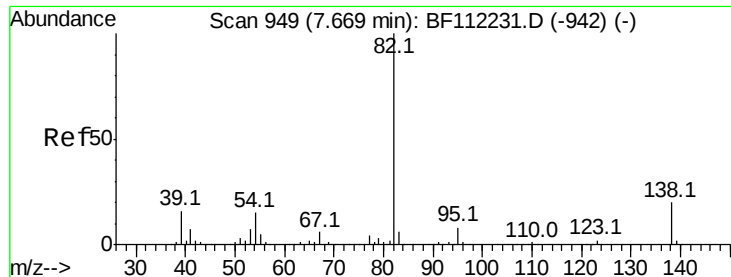
mohammad
1/29/2019 9:34:56 AM



#24
Nitrobenzene
Concen: 42.908 ng
RT: 7.43 min Scan# 908
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion: 77 Resp: 717940
Ion Ratio Lower Upper
77 100
123 49.2 38.4 57.6
65 13.6 10.6 15.8





#25

Isophorone

Concen: 49.912 ng

RT: 7.67 min Scan# 949

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion: 82 Resp: 1311837

Ion Ratio Lower Upper

82 100

95 7.6 5.7 8.5

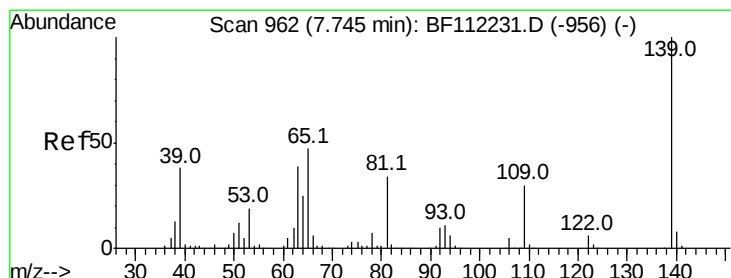
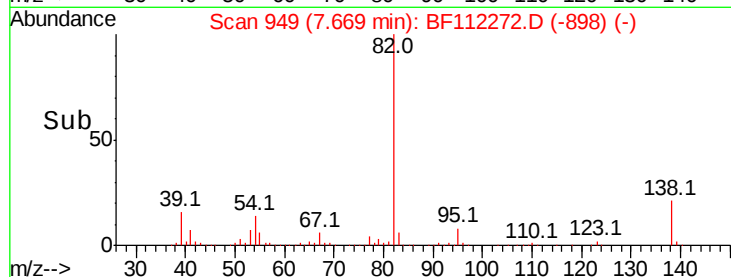
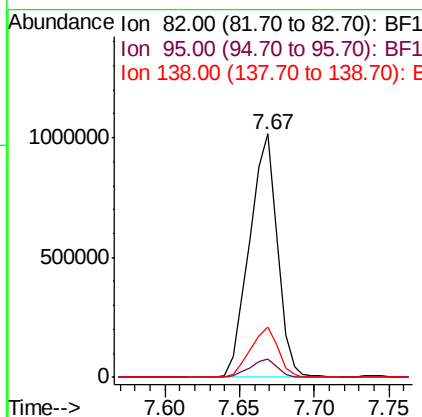
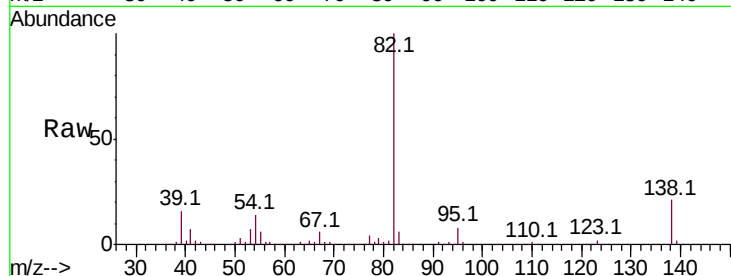
138 20.8 15.4 23.0

Manual Integrations

APPROVED

mohammad

1/29/2019 9:34:56 AM



#26

2-Nitrophenol

Concen: 44.769 ng

RT: 7.75 min Scan# 962

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

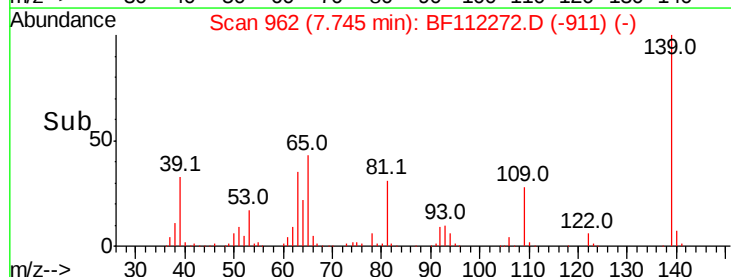
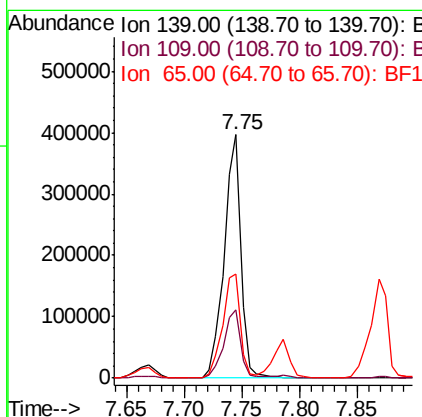
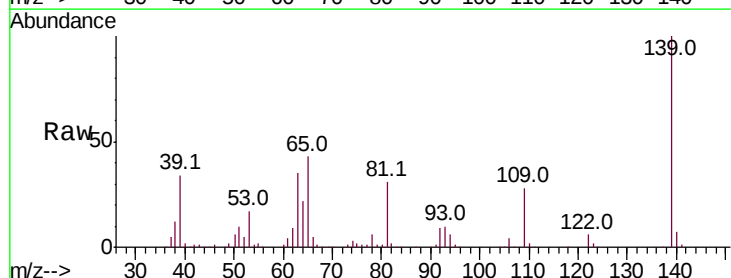
Tgt Ion:139 Resp: 400316

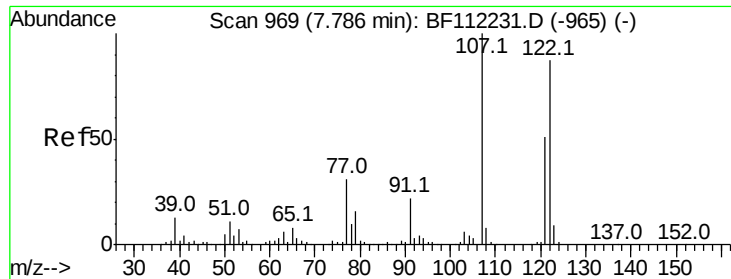
Ion Ratio Lower Upper

139 100

109 27.8 20.8 31.2

65 43.0 34.4 51.6





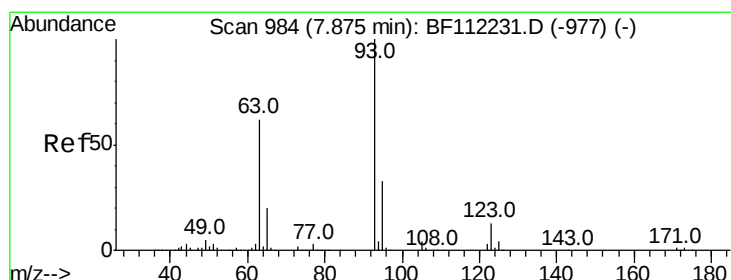
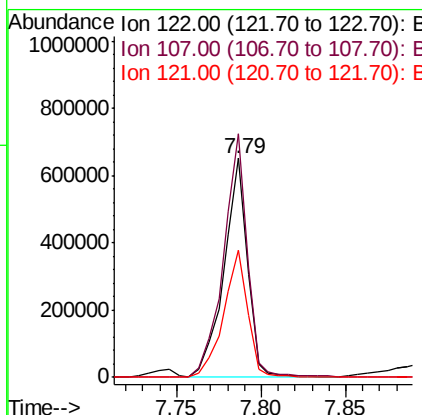
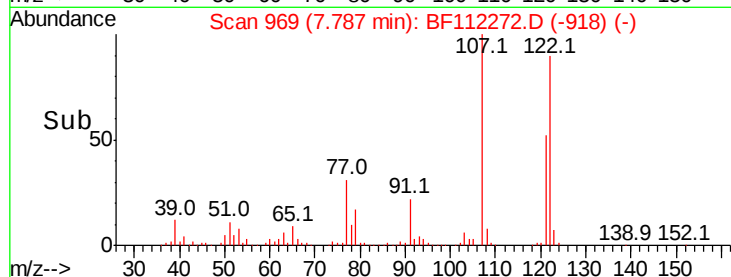
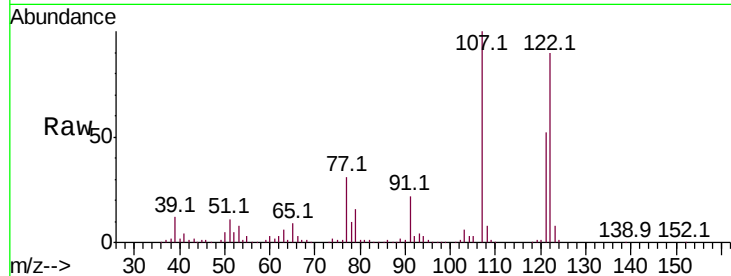
#27
 2,4-Dimethylphenol
 Concen: 51.355 ng
 RT: 7.79 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:	122	Resp:	632689
Ion Ratio	Lower	Upper	
122	100		
107	111.1	85.4	128.0
121	57.9	47.0	70.4

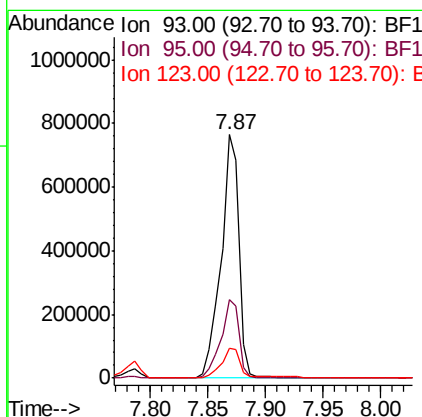
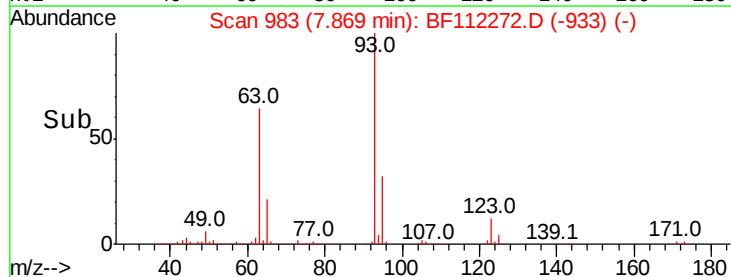
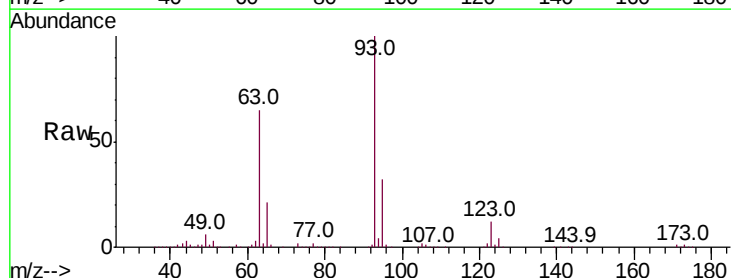
Manual Integrations
 APPROVED

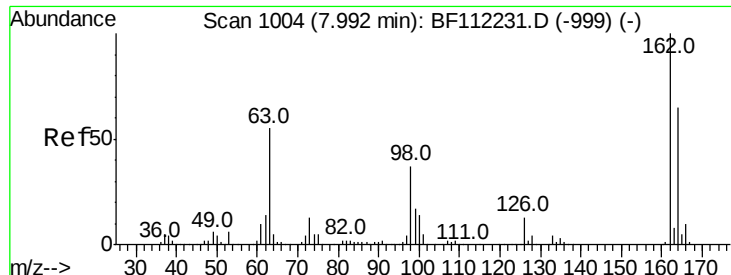
mohammad
 1/29/2019 9:34:56 AM



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.136 ng
 RT: 7.87 min Scan# 983
 Delta R.T. -0.01 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Tgt Ion:	93	Resp:	825670
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.8	40.2
123	12.3	10.2	15.2





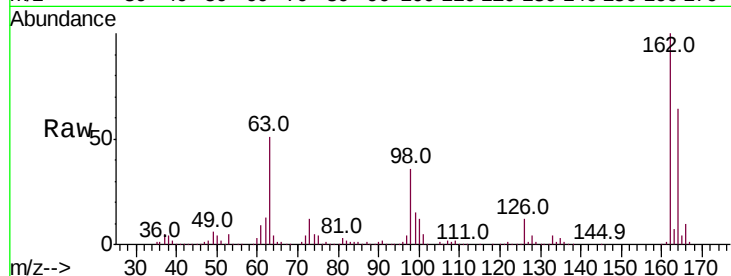
#29
 2,4-Dichlorophenol
 Concen: 45.946 ng
 RT: 7.99 min Scan# 1004
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

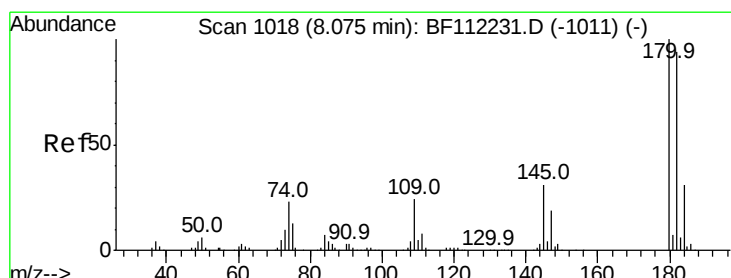
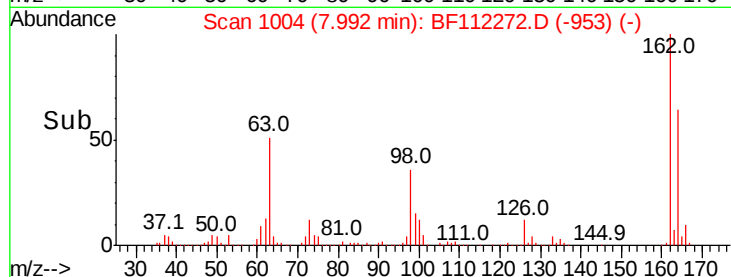
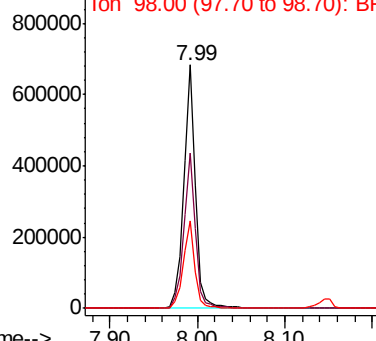
Tot Ion	Ratio	Resp	Lower	Upper
162	100	633446		
164	63.8		44.6	84.6
98	35.7		14.6	54.6

Manual Integrations
 APPROVED

mohammad
 1/29/2019 9:34:56 AM

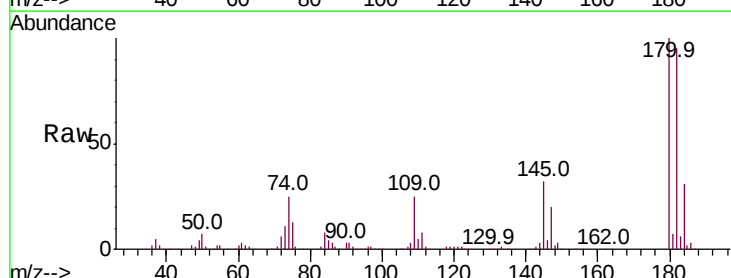


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

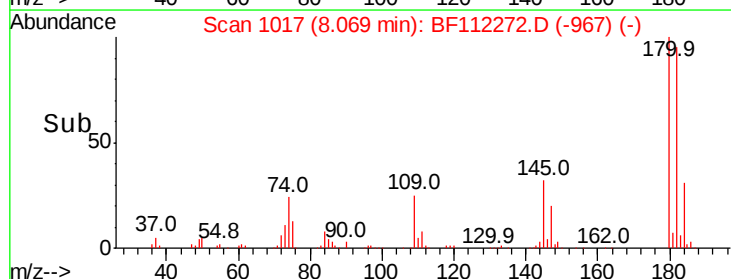
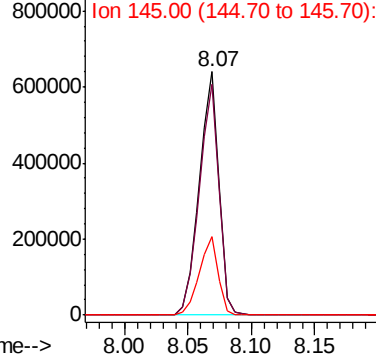


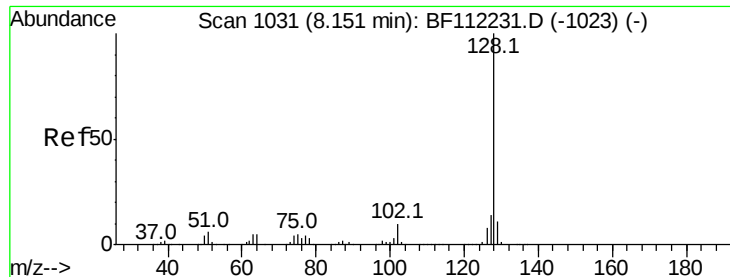
#30
 1,2,4-Trichlorobenzene
 Concen: 43.109 ng
 RT: 8.07 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	683161		
182	95.1		76.4	114.6
145	32.3		25.0	37.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





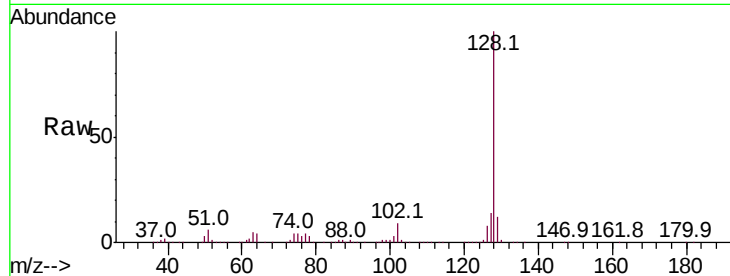
#31
Naphthalene
Concen: 45.086 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

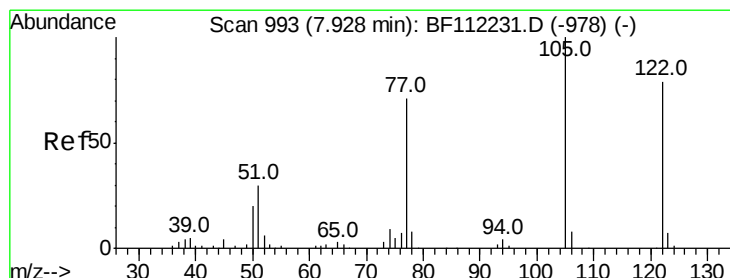
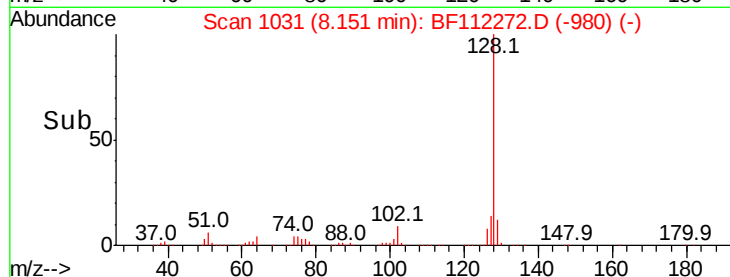
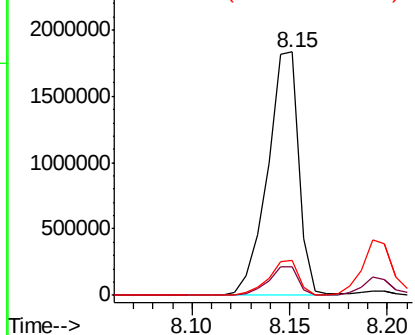
Tot Ion:128 Resp: 2035372
Ion Ratio Lower Upper
128 100
129 11.5 9.6 14.4
127 14.3 11.1 16.7

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM

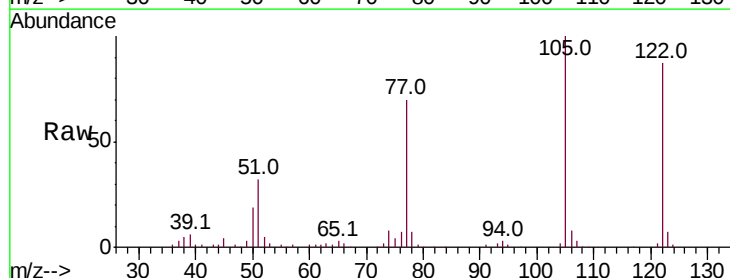


Abundance Ion 128.00 (127.70 to 128.70): E
2500000
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

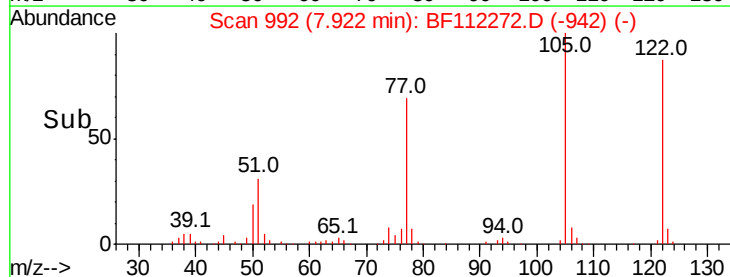
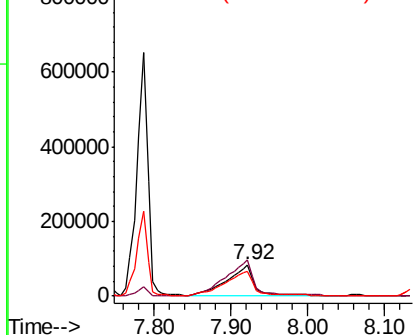


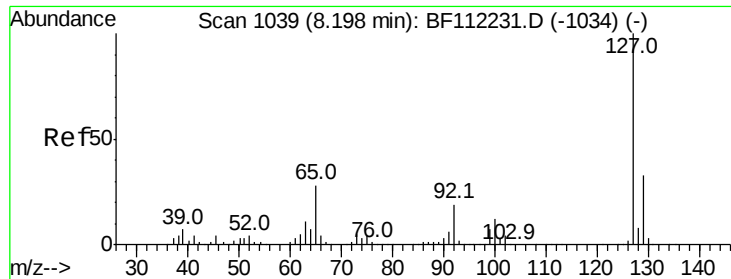
#32
Benzoic acid
Concen: 28.773 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion:122 Resp: 202202
Ion Ratio Lower Upper
122 100
105 114.8 101.2 141.2
77 80.8 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E
800000
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





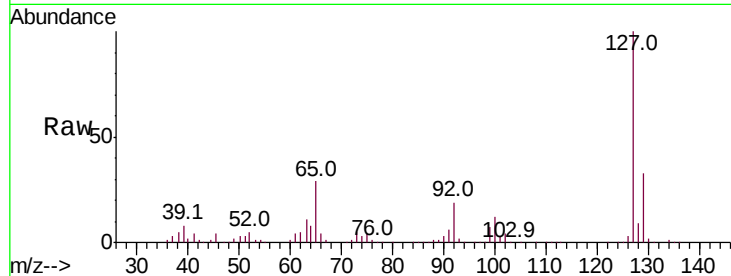
#33
4-Chloroaniline
Concen: 25.520 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.9	26.6	39.8		
65	29.3	21.4	32.2		
92	18.6	14.2	21.2		

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



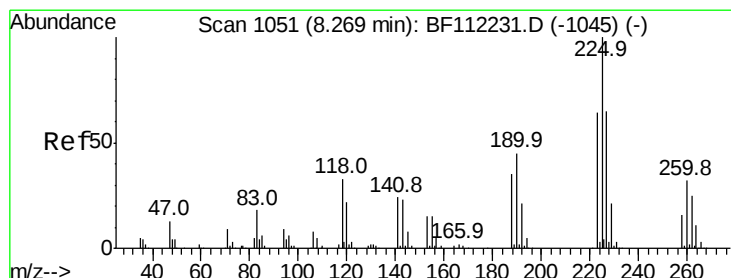
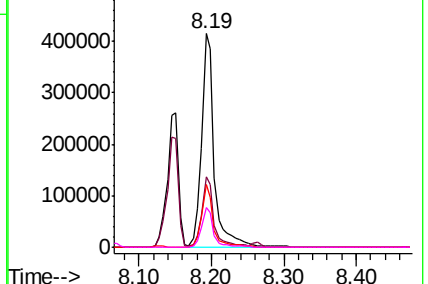
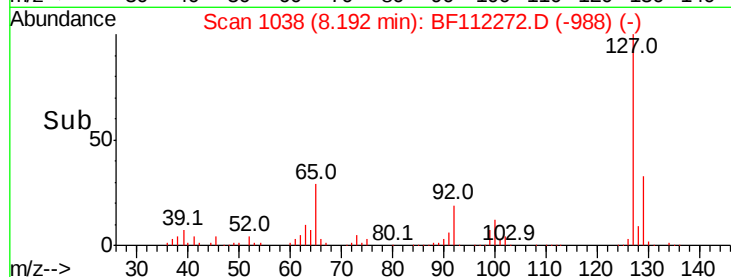
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

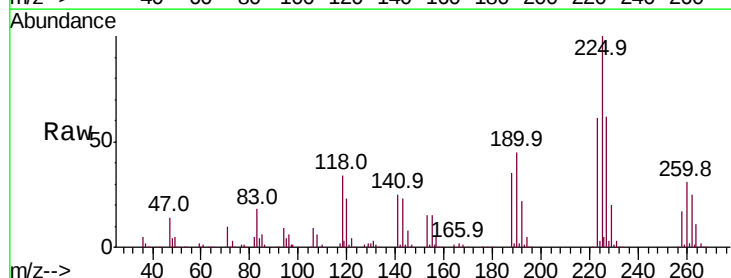
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 41.082 ng
RT: 8.26 min Scan# 1050
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	61.5	50.3	75.5		
227	62.0	51.8	77.8		

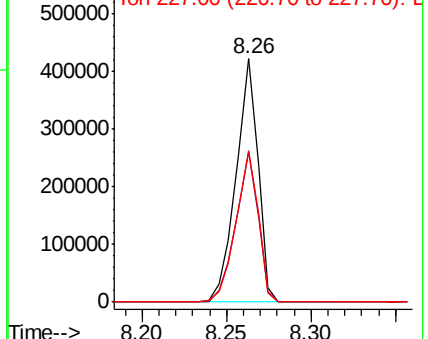
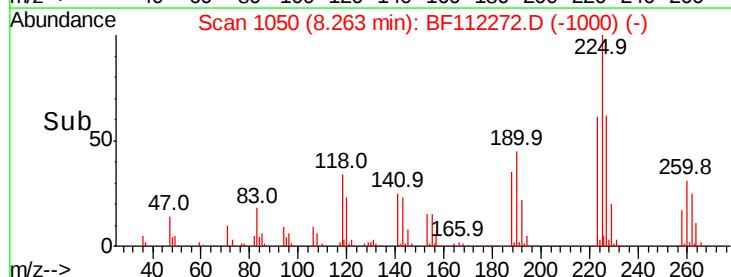


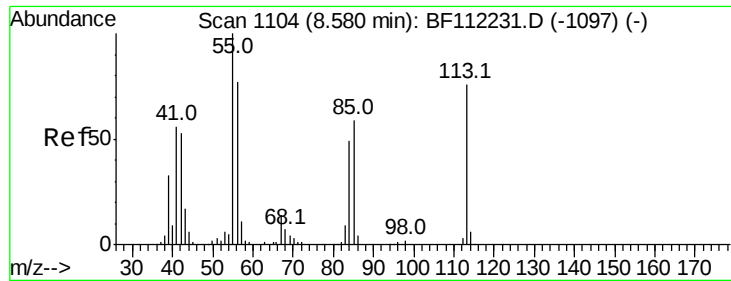
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





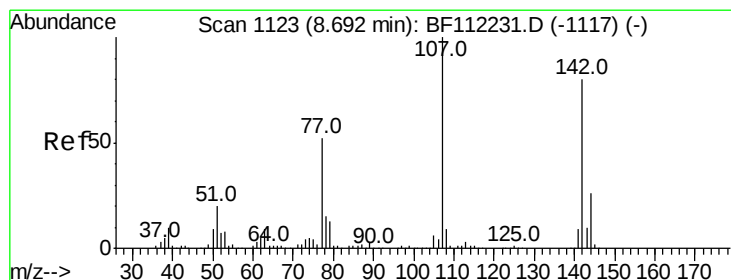
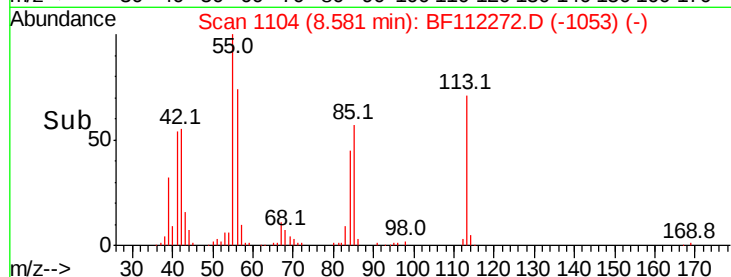
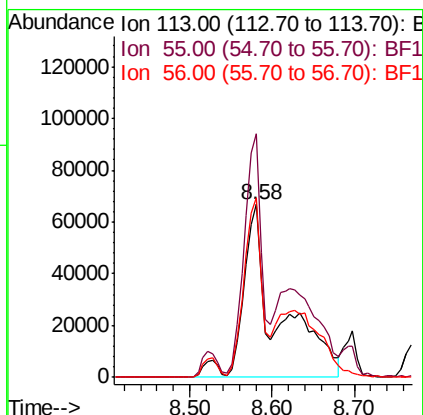
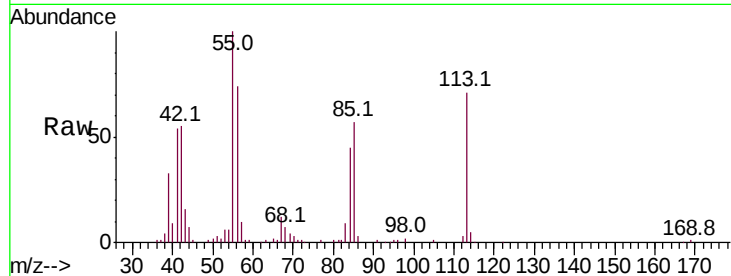
#35
Caprolactam
Concen: 40.149 ng/ml
RT: 8.58 min Scan# 1104
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
113	100		
55	140.9	121.6	161.6
56	104.1	86.7	126.7

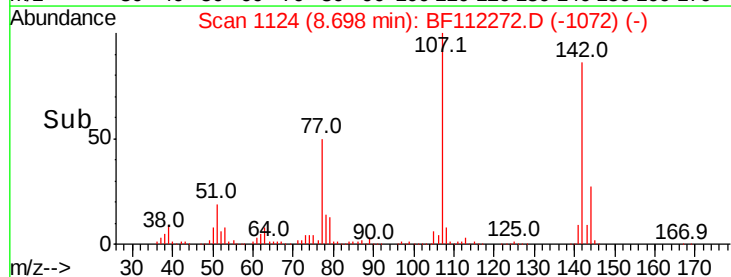
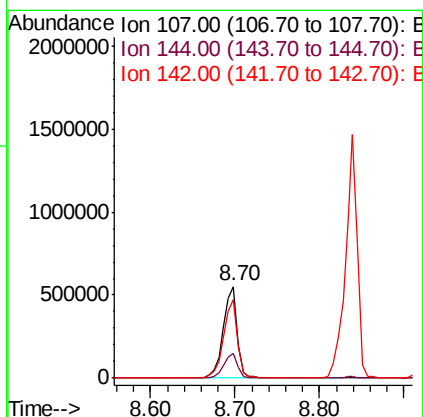
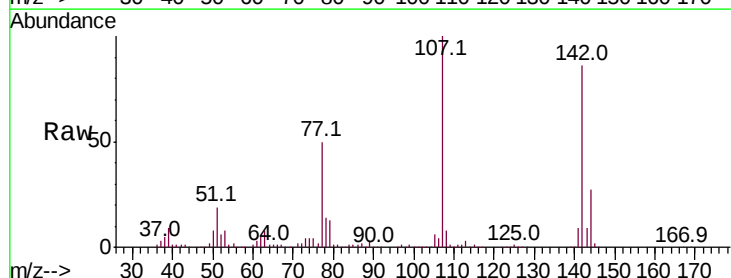
Manual Integrations
APPROVED

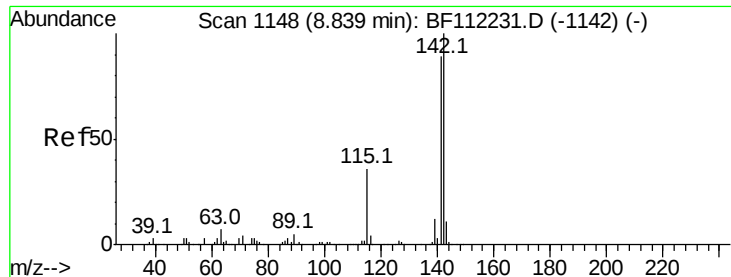
mohammad
1/29/2019 9:34:56 AM



#36
4-Chloro-3-methylphenol
Concen: 43.818 ng
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.0	22.2	33.2
142	85.8	67.7	101.5





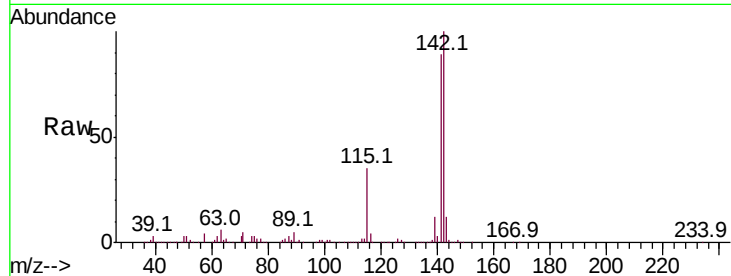
#37
2-Methylnaphthalene
Concen: 47.562 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.9	106.3
115	35.3	24.9	37.3

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM

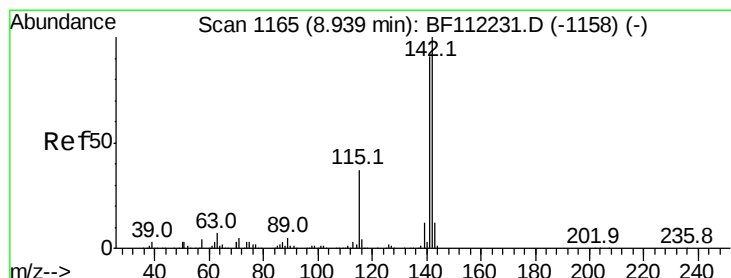
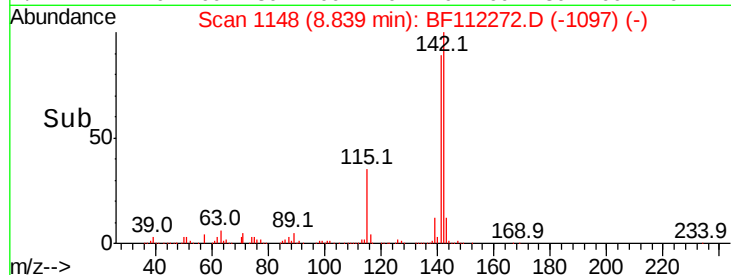
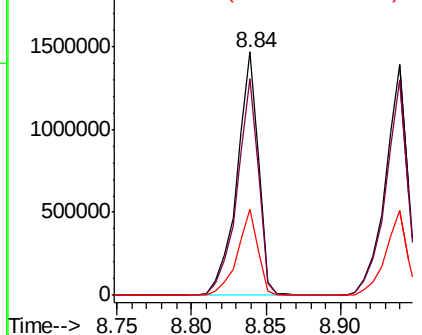


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
1-Methylnaphthalene
Concen: 46.328 ng
RT: 8.94 min Scan# 1165
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

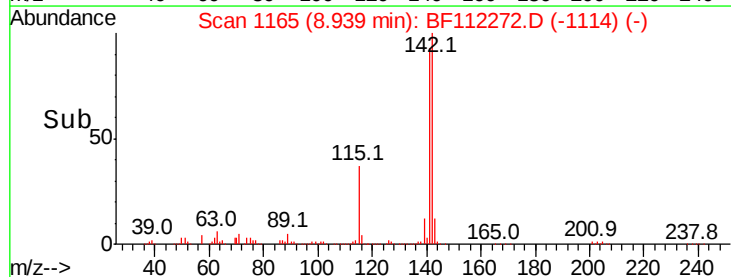
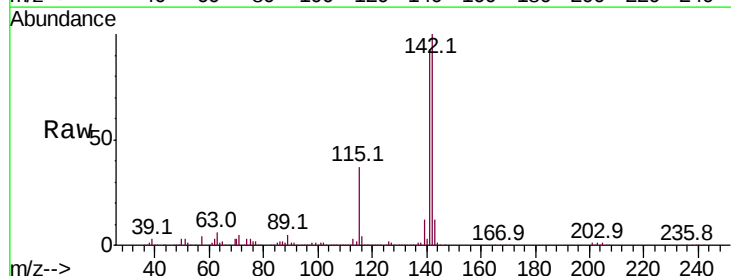
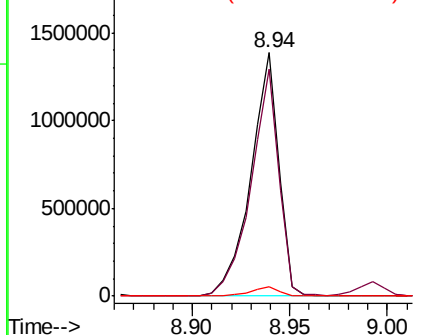
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	72.6	108.8
116	4.0	2.8	4.2

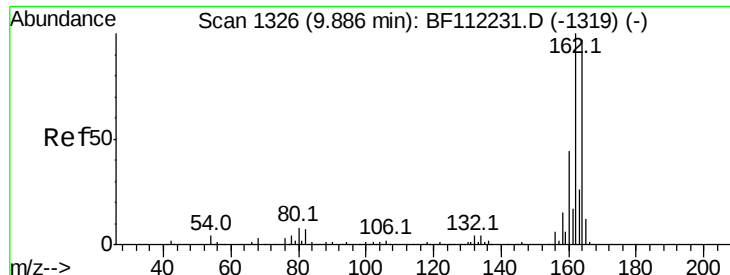
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





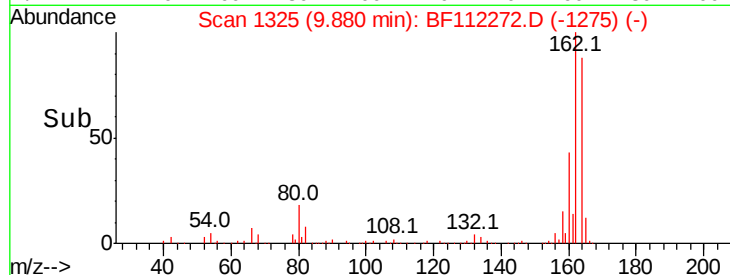
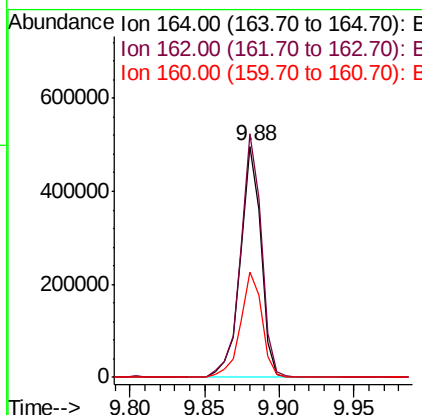
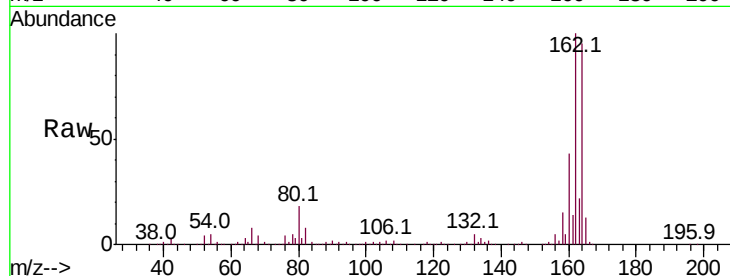
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.2	123.4
160	45.6	36.2	54.4

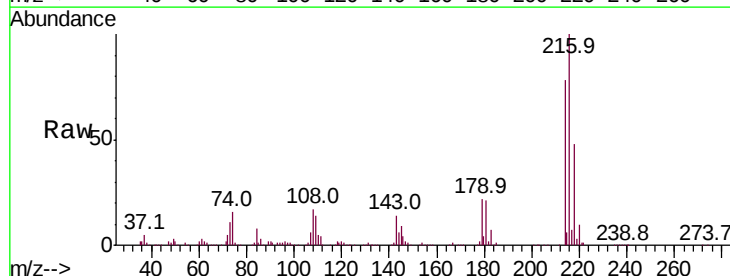
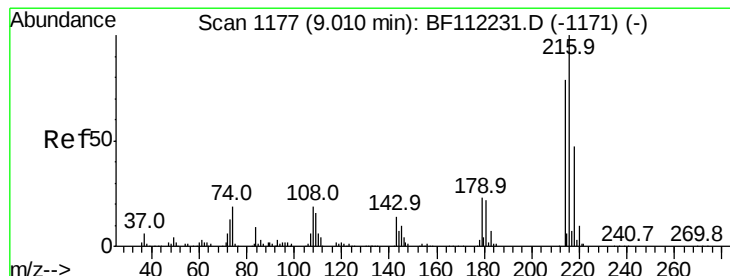
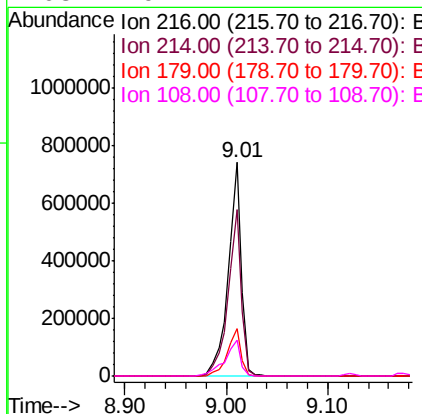
Manual Integrations
 APPROVED

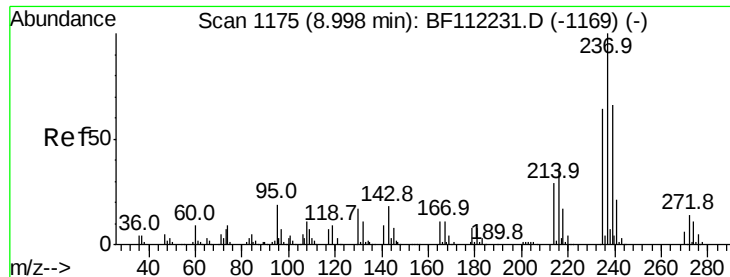
mohammad
 1/29/2019 9:34:56 AM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 42.452 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
216	100		
214	78.5	63.8	95.6
179	22.4	16.9	25.3
108	19.7	14.2	21.4





#41

Hexachlorocyclopentadiene

Concen: 89.724 ng

RT: 8.99 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

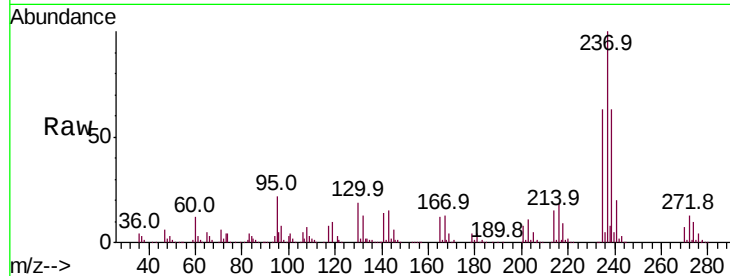
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

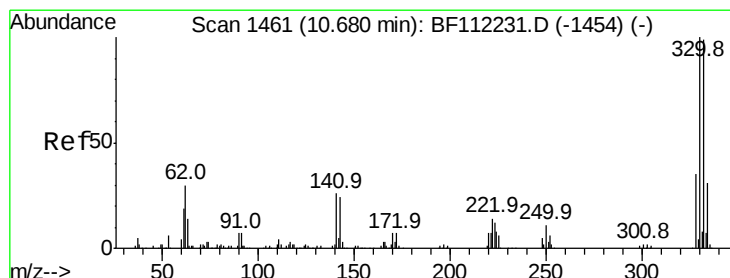
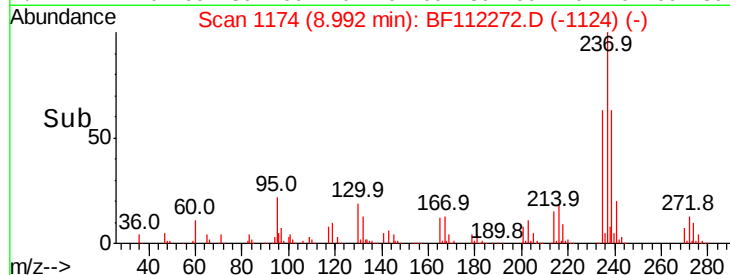
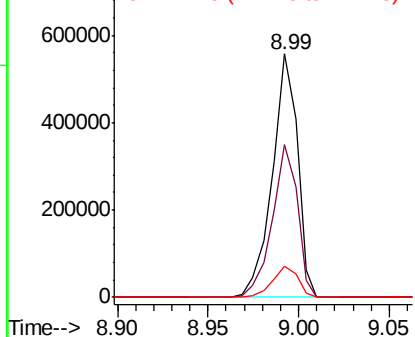
Tot Ion	Ratio	Resp	Lower	Upper
237	100	538828		
235	62.8	44.0	84.0	
272	12.6	0.0	33.3	

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 134.314 ng

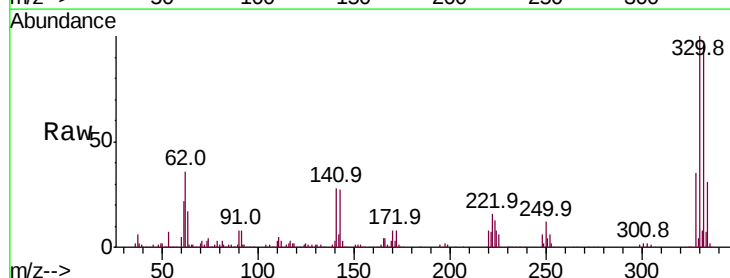
RT: 10.68 min Scan# 1461

Delta R.T. 0.00 min

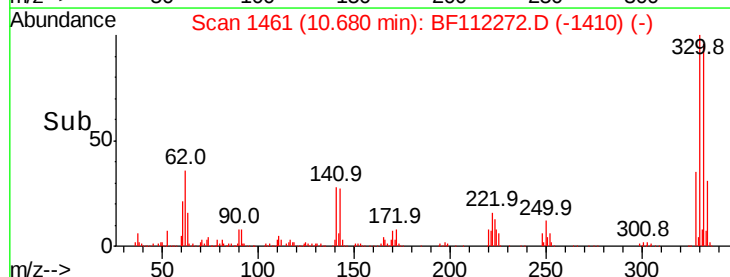
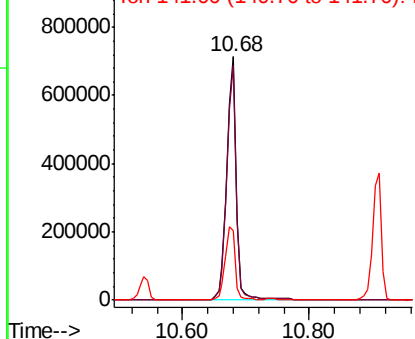
Lab File: BF112272.D

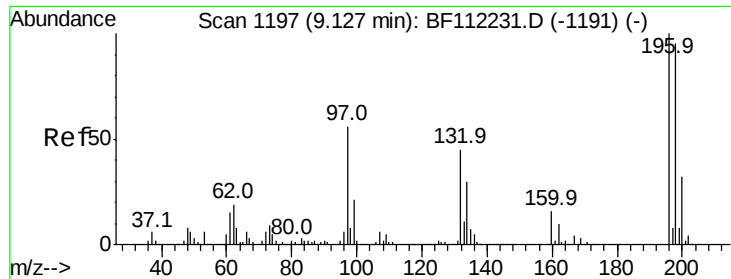
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	743635		
332	96.0	76.6	114.8	
141	32.0	24.3	36.5	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





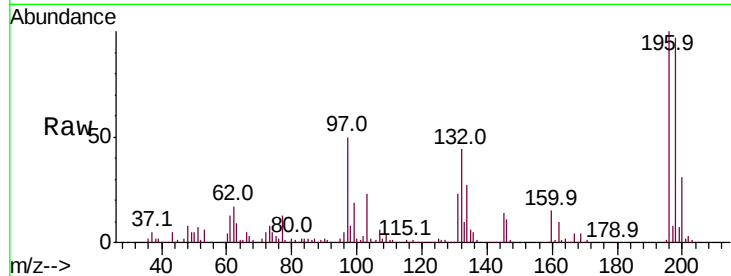
#43
 2,4,6-Trichlorophenol
 Concen: 44.929 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Resp	Lower	Upper
196	100	432521		
198	96.5	76.2	114.4	
200	30.6	24.3	36.5	

Manual Integrations
 APPROVED

mohammad
 1/29/2019 9:34:56 AM

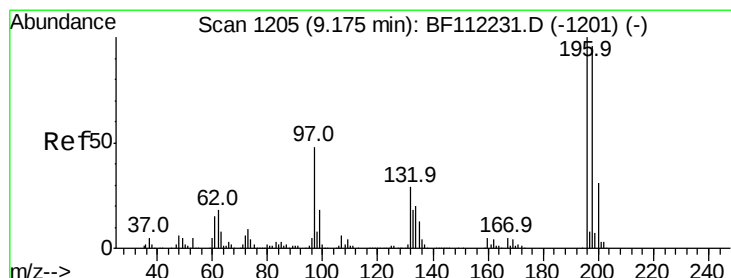
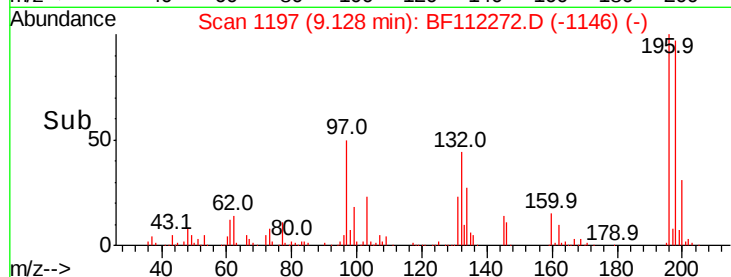
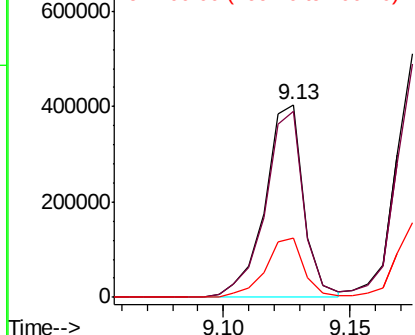


Abundance

Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#44
 2,4,5-Trichlorophenol
 Concen: 45.026 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	453024		
198	96.1	76.0	114.0	
97	48.1	36.4	54.6	
132	29.0	21.5	32.3	

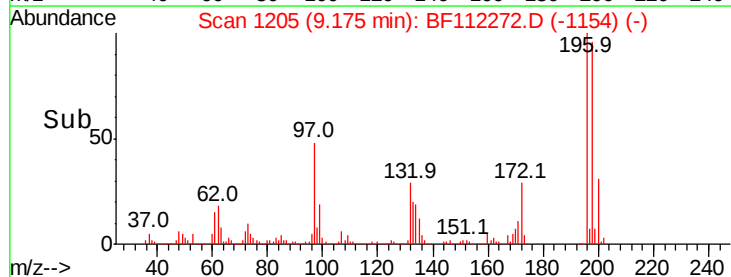
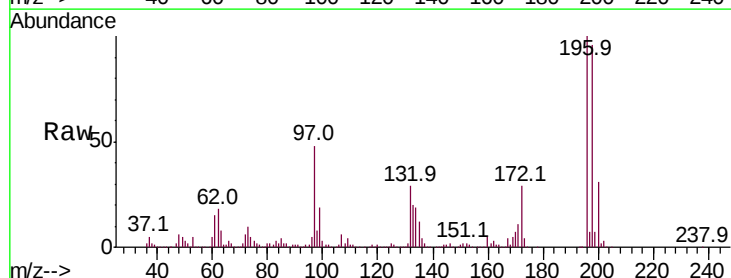
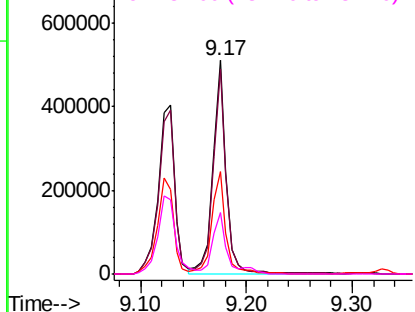
Abundance

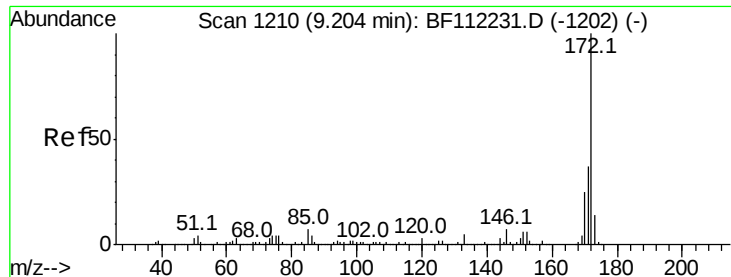
Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF1

Ion 132.00 (131.70 to 132.70): E





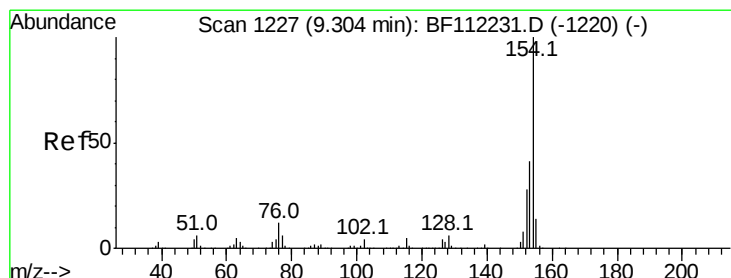
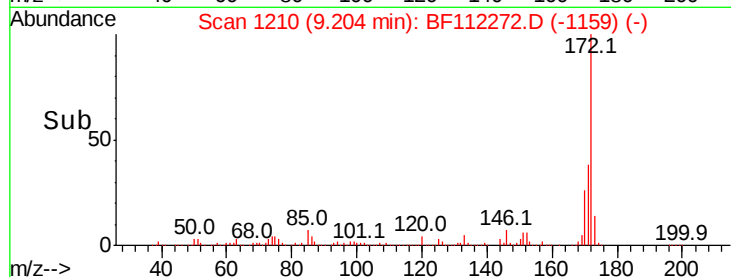
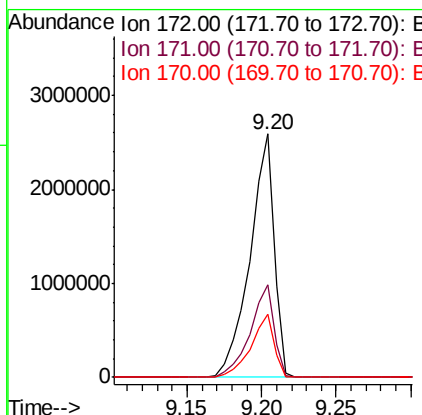
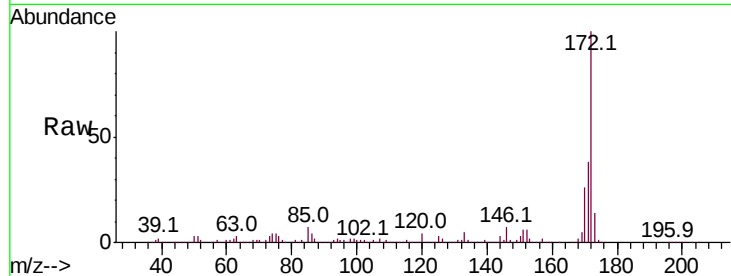
#45
2-Fluorobiphenyl
Concen: 86.425 ng
RT: 9.20 min Scan# 1210
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:172 Resp: 2906579
Ion Ratio Lower Upper
172 100
171 38.3 30.5 45.7
170 25.7 20.2 30.4

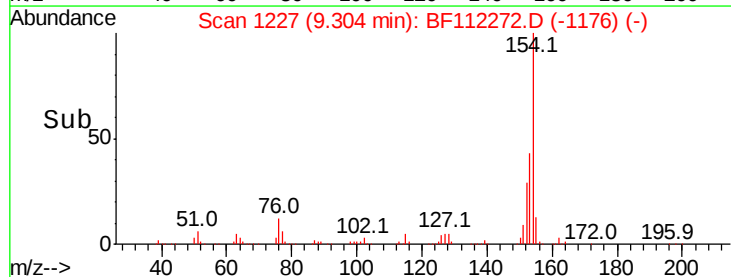
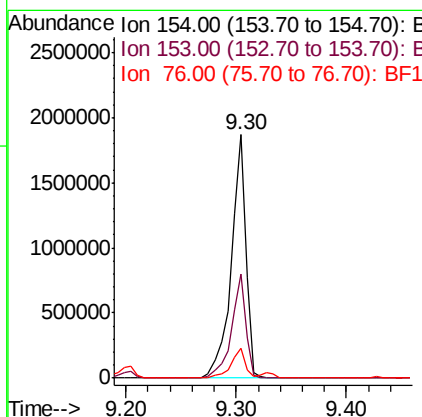
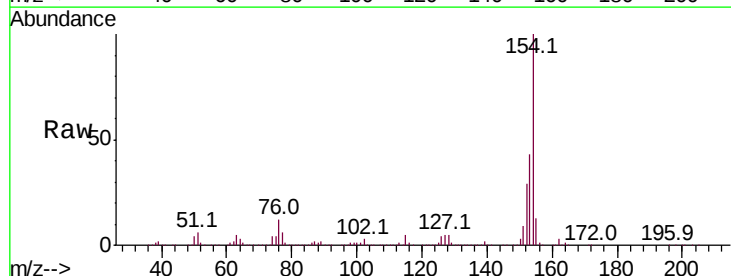
Manual Integrations
APPROVED

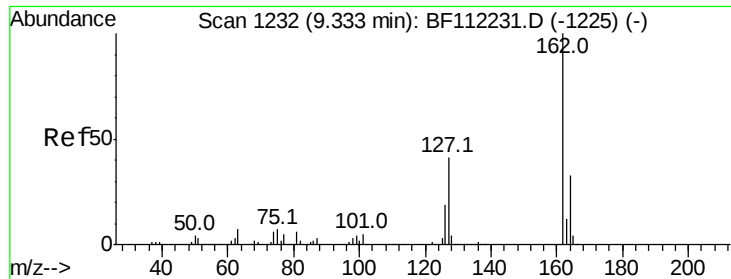
mohammad
1/29/2019 9:34:56 AM



#46
1,1'-Biphenyl
Concen: 41.975 ng
RT: 9.30 min Scan# 1227
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion:154 Resp: 1745472
Ion Ratio Lower Upper
154 100
153 42.6 21.5 61.5
76 12.2 0.0 33.1





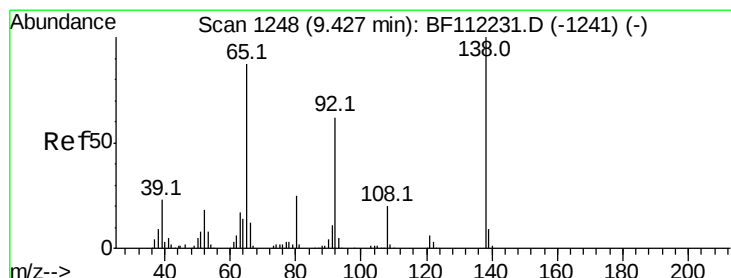
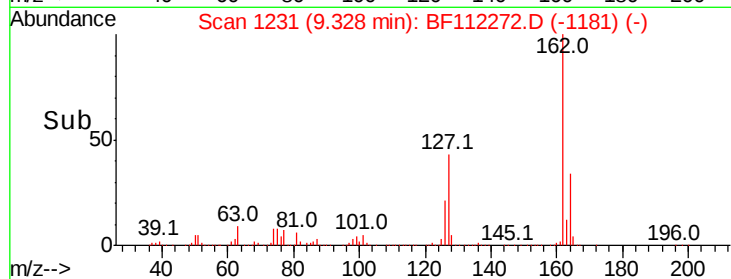
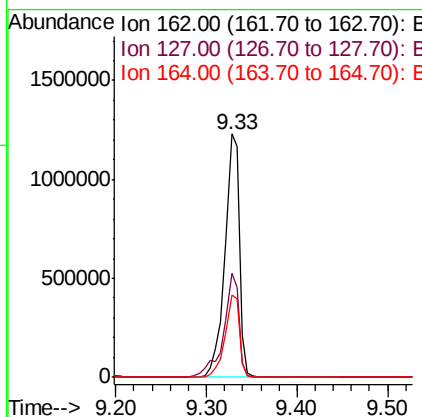
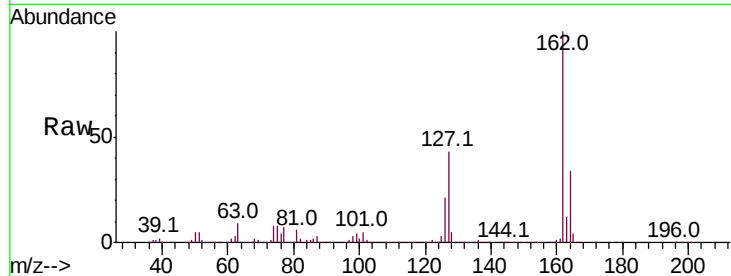
#47
 2-Chloronaphthalene
 Concen: 41.783 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
162	100		
127	43.0	30.4	45.6
164	34.0	27.4	41.2

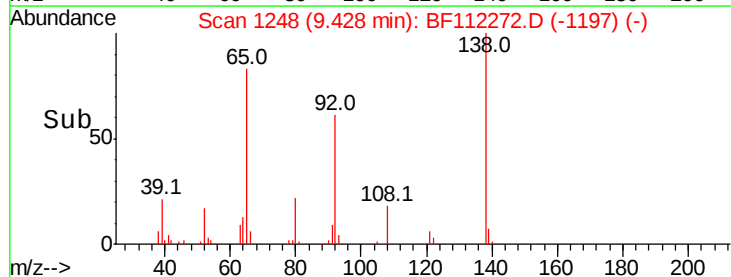
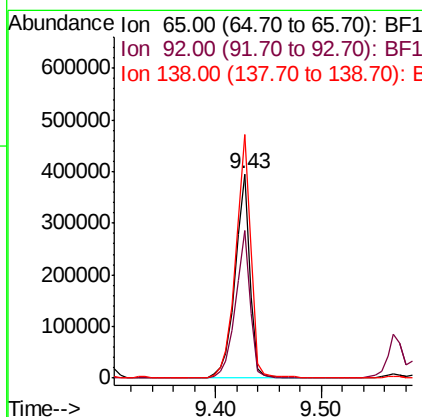
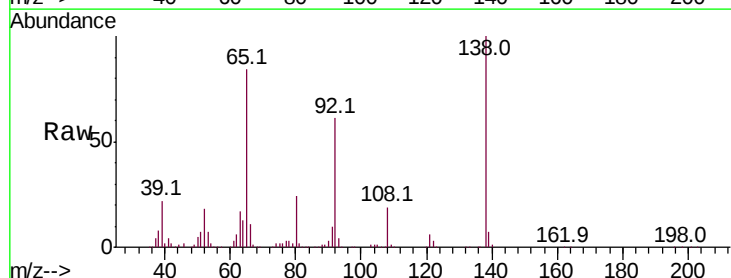
Manual Integrations
 APPROVED

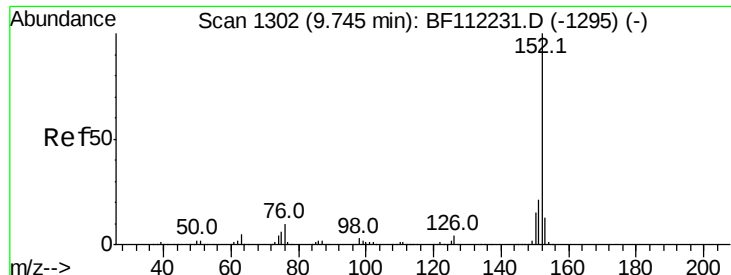
mohammad
 1/29/2019 9:34:56 AM



#48
 2-Nitroaniline
 Concen: 43.245 ng
 RT: 9.43 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.3	60.4	90.6
138	119.4	104.4	156.6





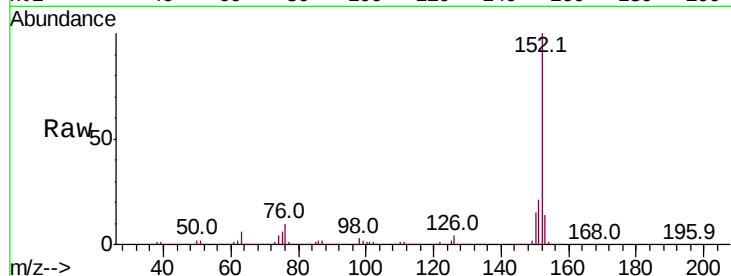
#49
Acenaphthylene
Concen: 44.855 ng
RT: 9.75 min Scan# 1302
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

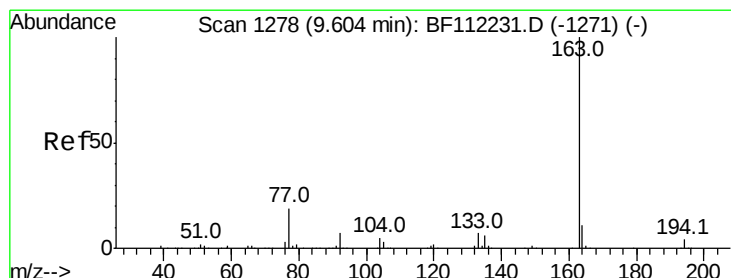
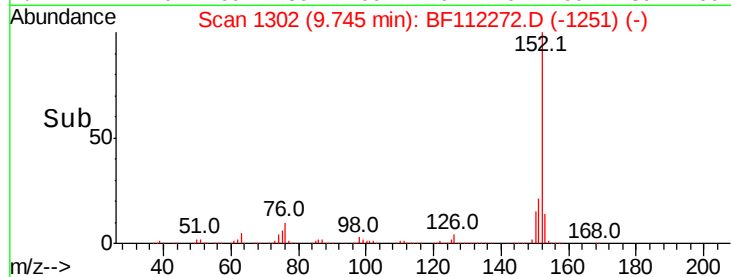
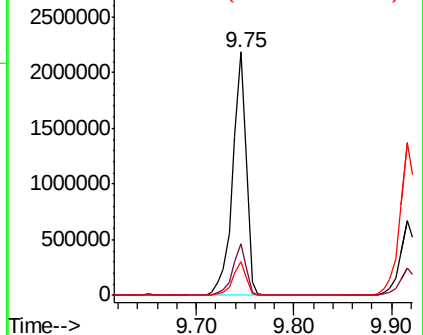
Tot Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.0	25.6
153	14.0	11.2	16.8

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



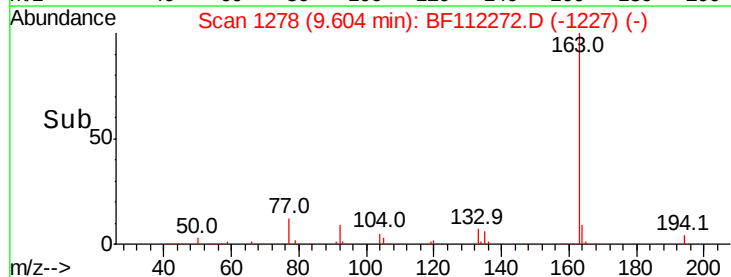
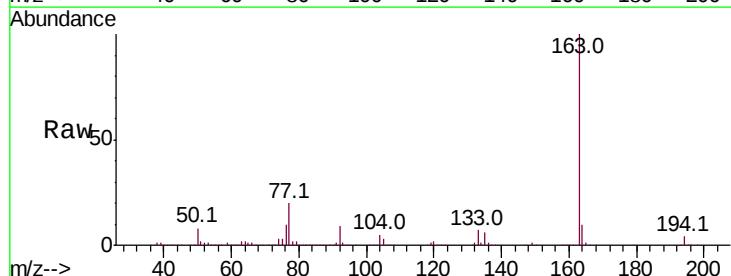
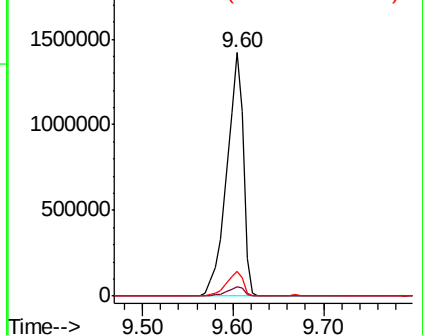
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

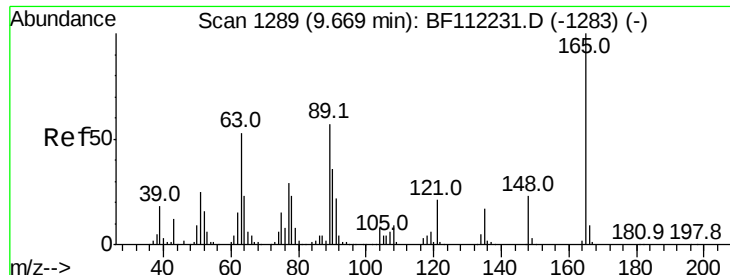


#50
Dimethylphthalate
Concen: 48.783 ng
RT: 9.60 min Scan# 1278
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	10.3	8.5	12.7

Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 44.285 ng

RT: 9.67 min Scan# 1289

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:165 Resp: 366539

Ion Ratio Lower Upper

165 100

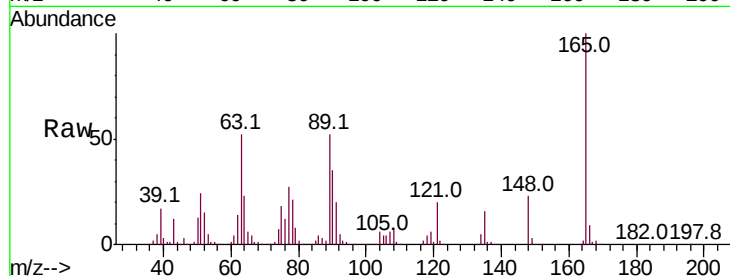
63 51.8 33.8 50.8#

89 52.1 36.9 55.3

Manual Integrations
APPROVED

mohammad

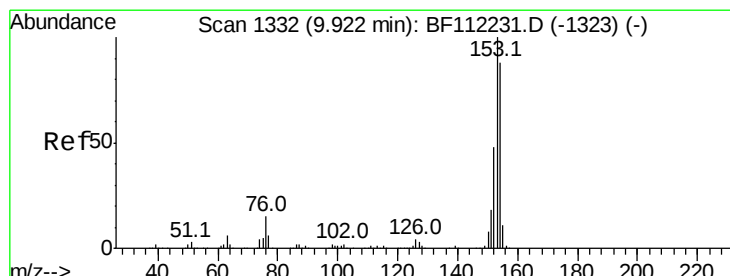
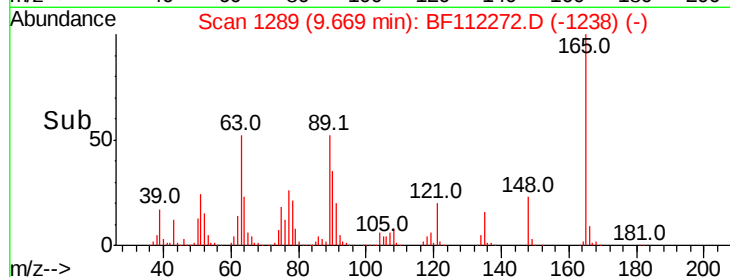
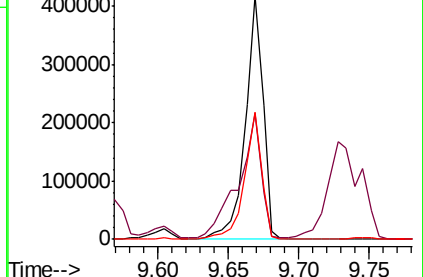
1/29/2019 9:34:56 AM



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52

Acenaphthene

Concen: 43.937 ng

RT: 9.92 min Scan# 1331

Delta R.T. -0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

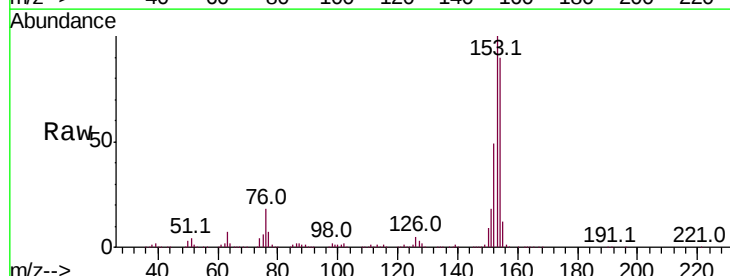
Tgt Ion:154 Resp: 1240538

Ion Ratio Lower Upper

154 100

153 110.8 89.8 134.6

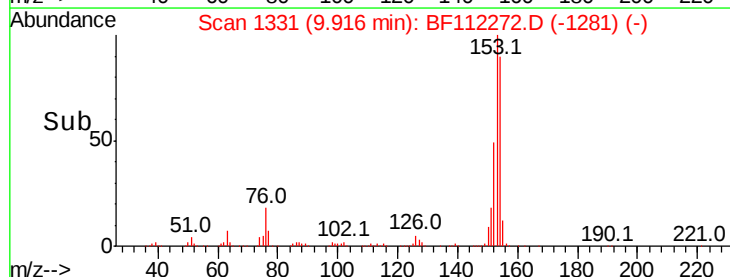
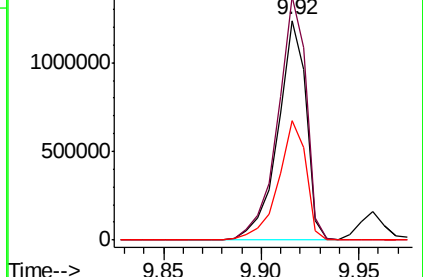
152 54.5 43.5 65.3

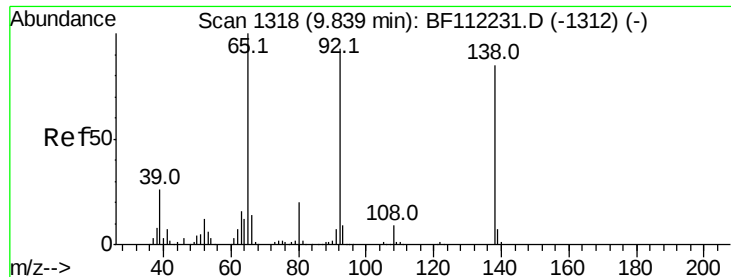


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#53

3-Nitroaniline

Concen: 29.927 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

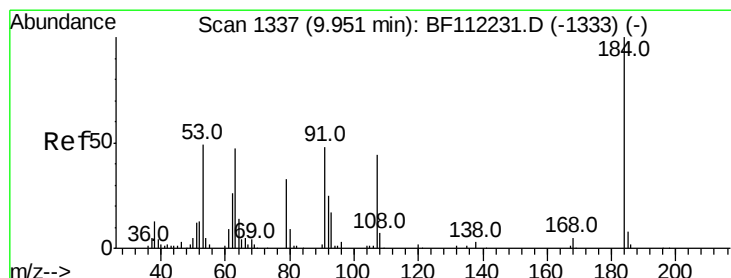
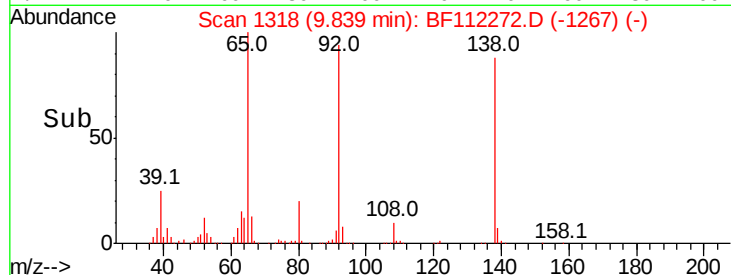
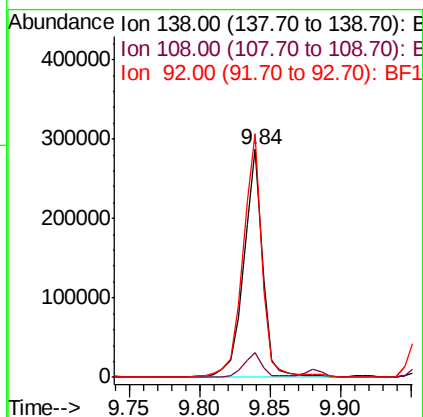
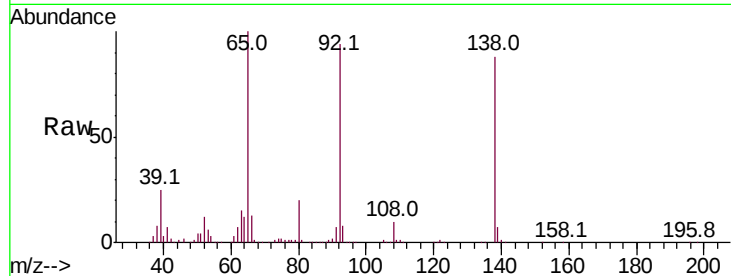
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:138	Resp:	268354
Ion Ratio	Lower	Upper
138 100		
108 10.8	9.8	14.6
92 106.8	79.4	119.2

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



#54

2,4-Dinitrophenol

Concen: 92.323 ng

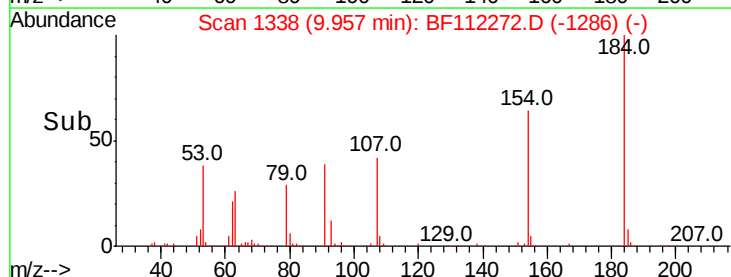
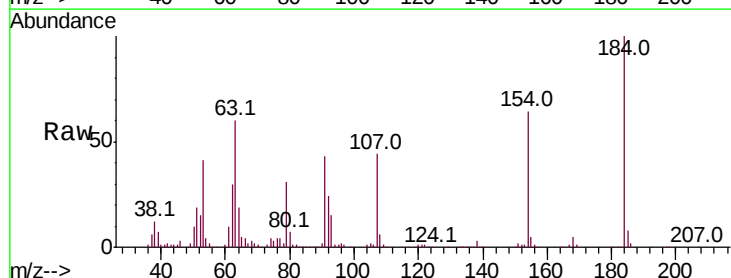
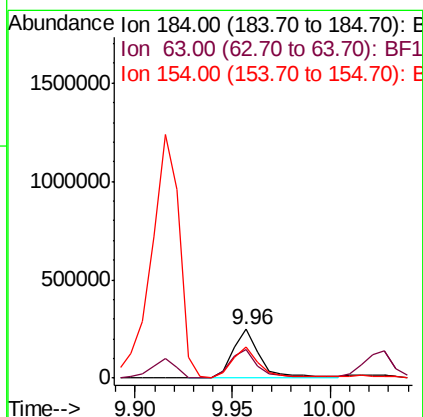
RT: 9.96 min Scan# 1338

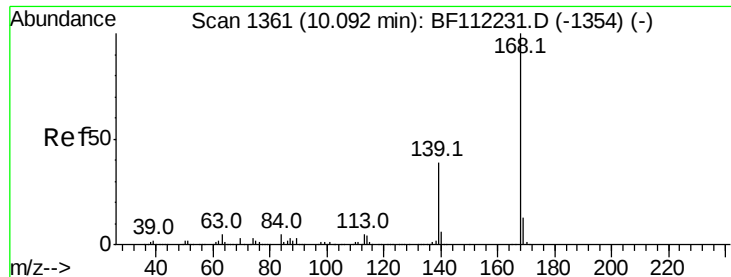
Delta R.T. 0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Tgt Ion:184	Resp:	245232
Ion Ratio	Lower	Upper
184 100		
63 59.5	47.1	70.7
154 63.8	48.9	73.3





#55

Dibenzenofuran

Concen: 42.370 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:168 Resp: 1828157

Ion Ratio Lower Upper

168 100

139 41.0 29.2 43.8

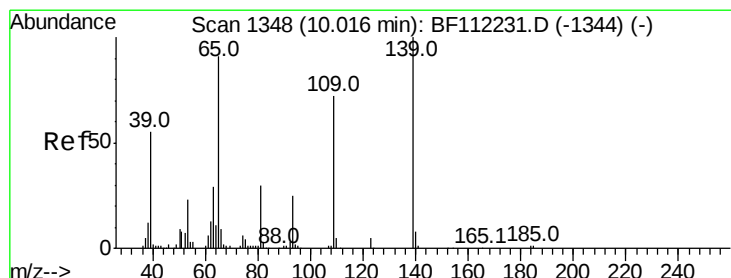
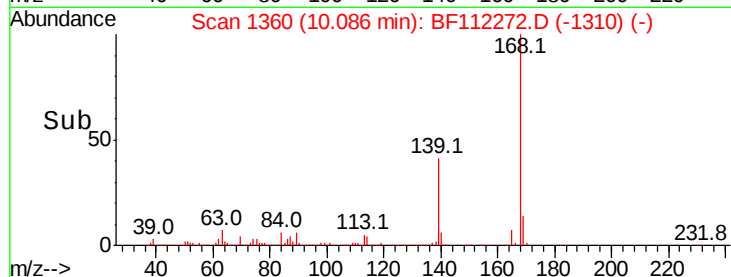
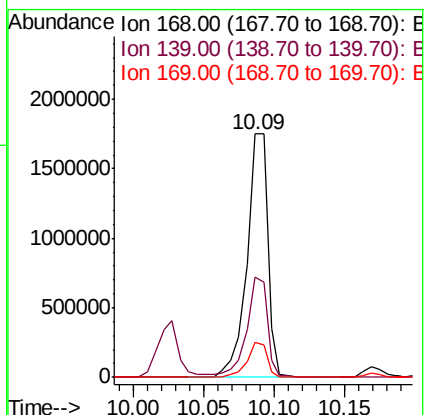
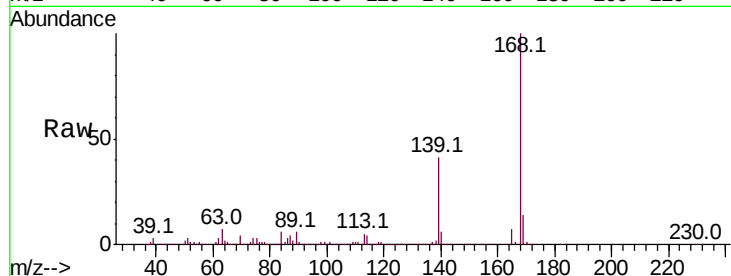
169 14.2 11.4 17.0

Manual Integrations

APPROVED

mohammad

1/29/2019 9:34:56 AM



#56

4-Nitrophenol

Concen: 89.455 ng

RT: 10.03 min Scan# 1350

Delta R.T. 0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

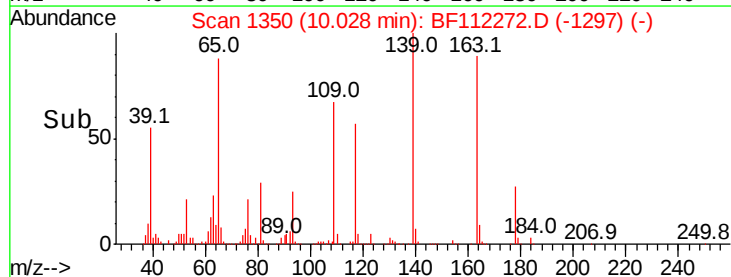
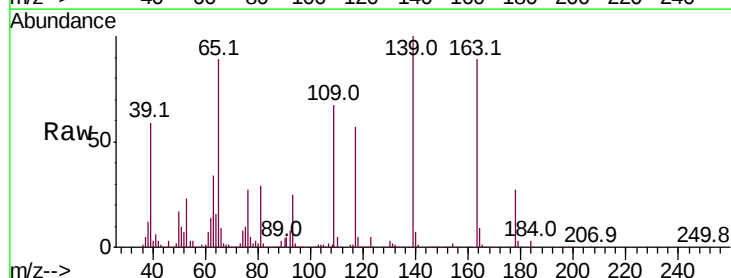
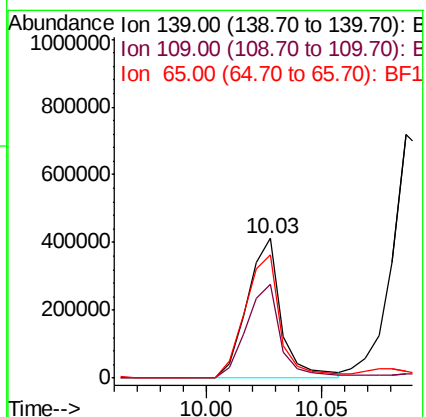
Tgt Ion:139 Resp: 424081

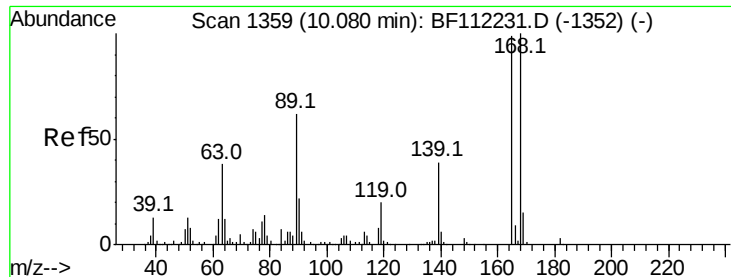
Ion Ratio Lower Upper

139 100

109 67.4 42.8 82.8

65 88.8 66.1 106.1





#57

2,4-Dinitrotoluene

Concen: 44.215 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:165 Resp: 465892

Ion Ratio Lower Upper

165 100

63 46.9 27.9 41.9#

89 68.0 47.9 71.9

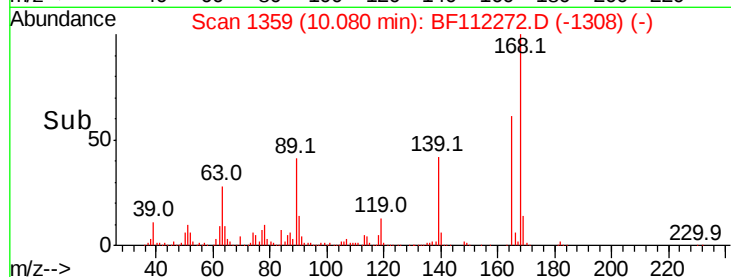
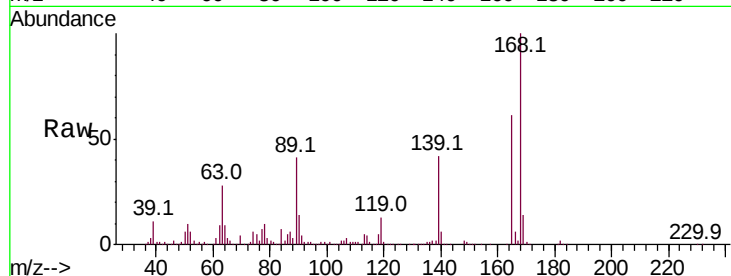
182 2.7 2.2 3.4

Manual Integrations

APPROVED

mohammad

1/29/2019 9:34:56 AM

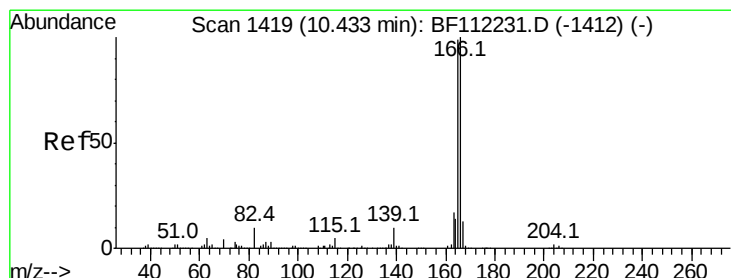
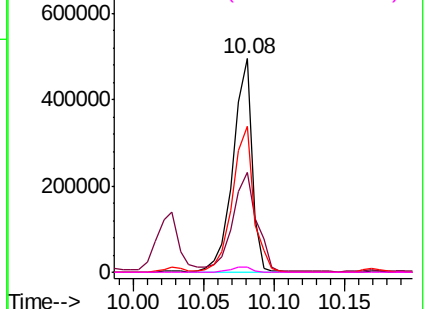


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 44.976 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

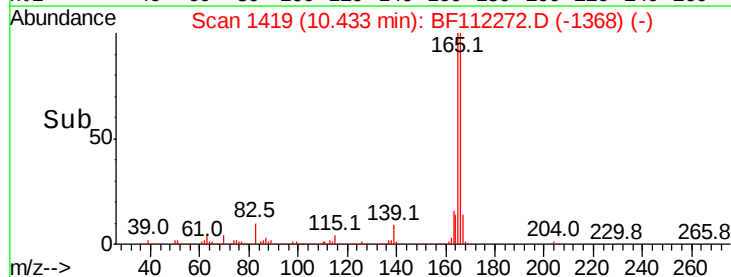
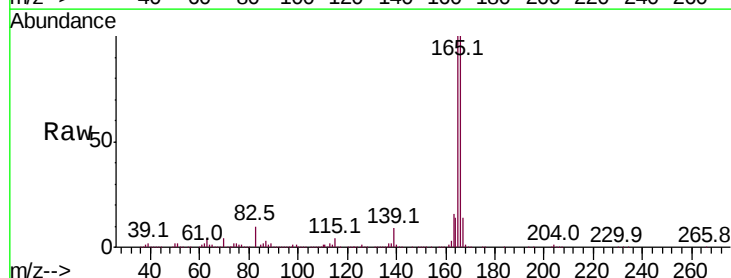
Tgt Ion:166 Resp: 1452176

Ion Ratio Lower Upper

166 100

165 99.9 77.1 115.7

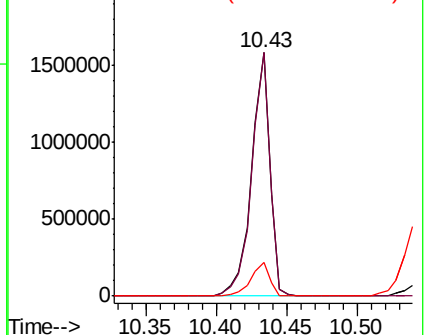
167 14.0 11.3 16.9

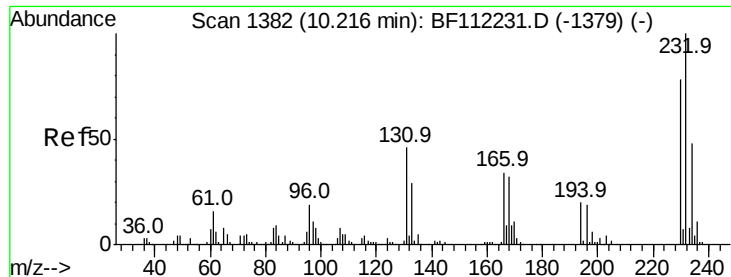


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





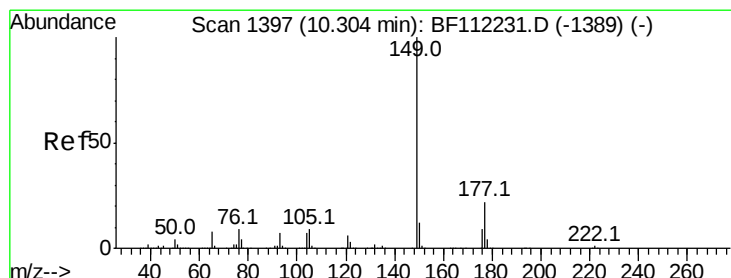
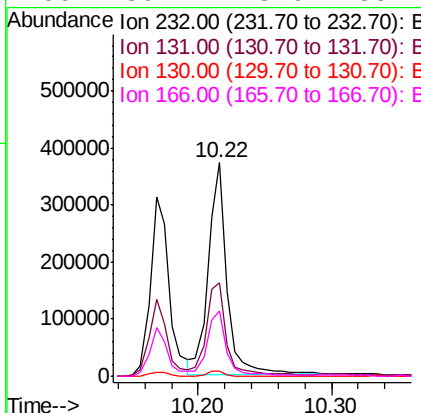
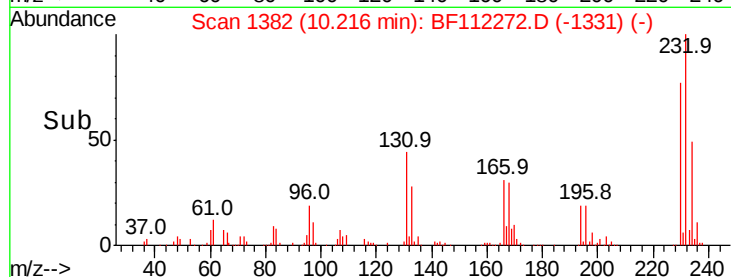
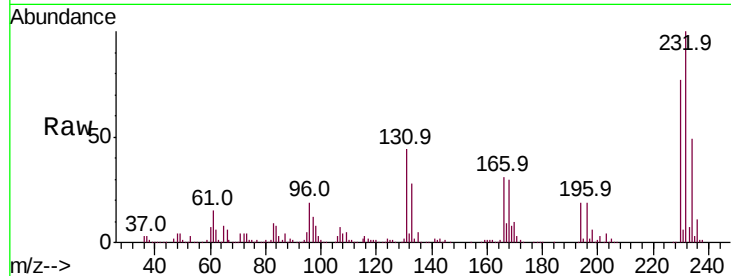
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 48.215 ng
 RT: 10.22 min Scan# 1382
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
232	100		
131	47.7	33.9	50.9
130	2.5	1.8	2.6
166	30.7	23.6	35.4

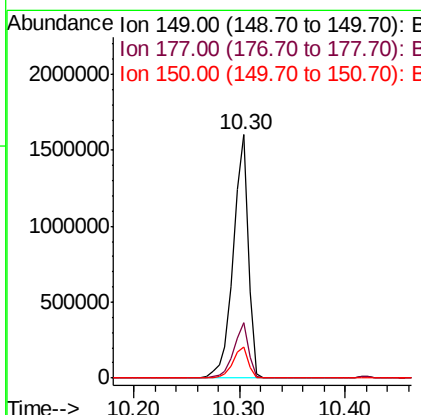
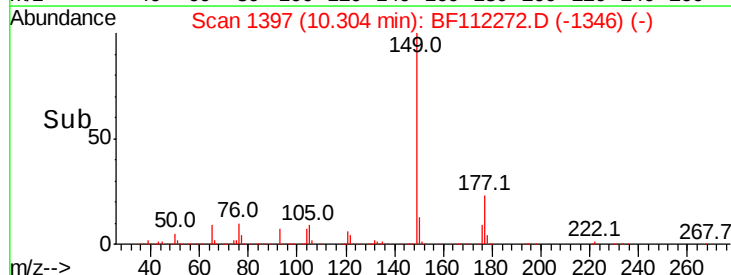
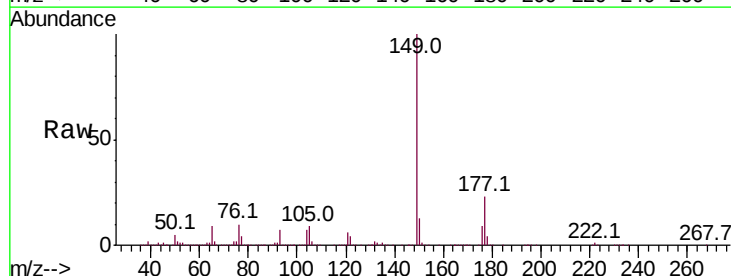
Manual Integrations
 APPROVED

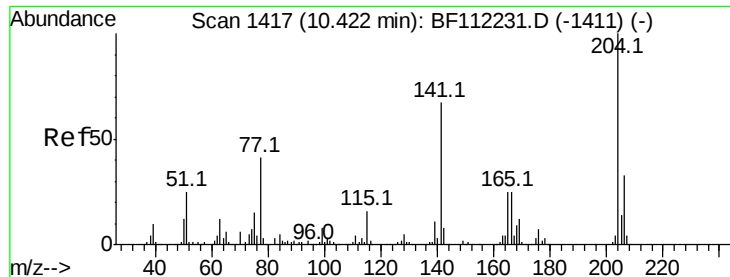
mohammad
 1/29/2019 9:34:56 AM



#60
 Diethylphthalate
 Concen: 42.437 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
149	100		
177	22.5	18.2	27.2
150	12.9	10.4	15.6





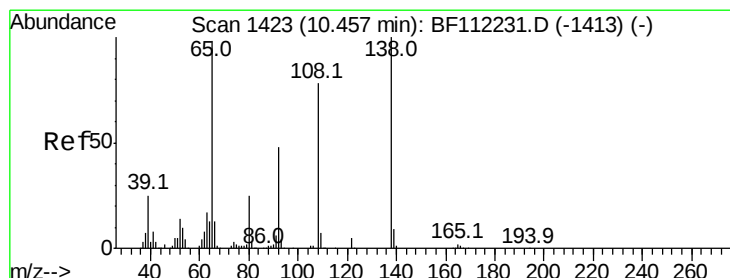
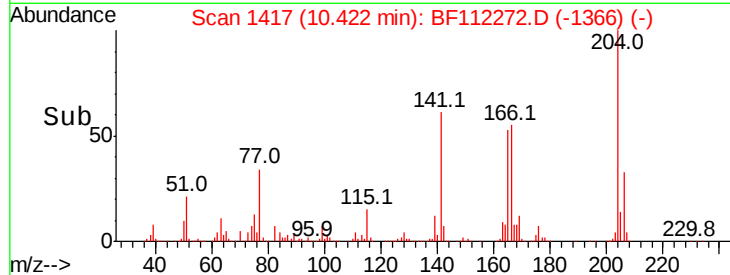
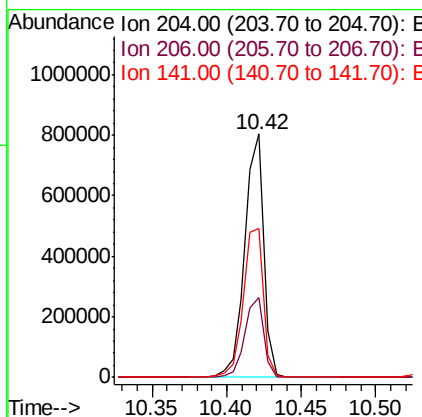
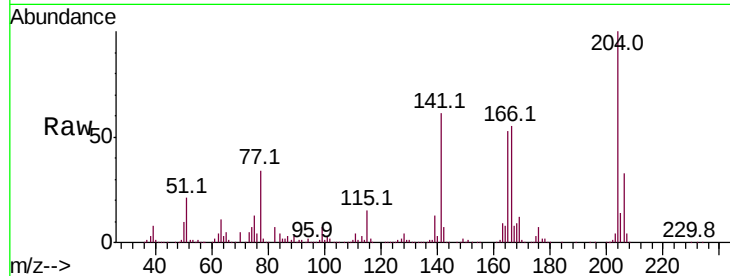
#61
 4-Chlorophenyl-phenylether
 Concen: 40.320 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:	204	Resp:	708168
Ion Ratio	Lower	Upper	
204	100		
206	32.5	26.5	39.7
141	61.0	45.9	68.9

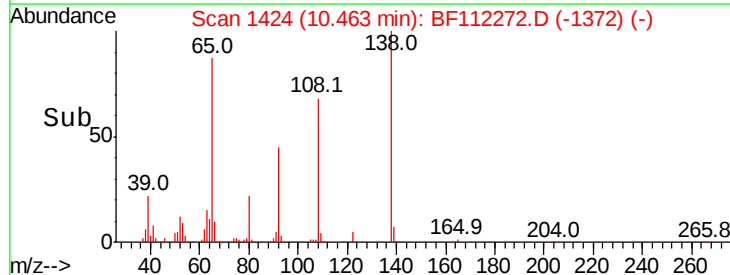
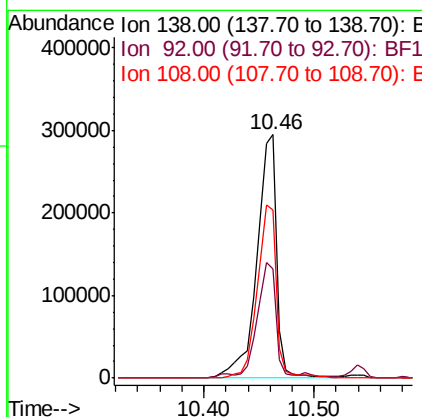
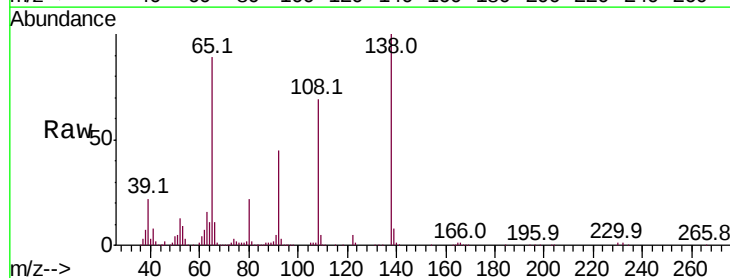
Manual Integrations
 APPROVED

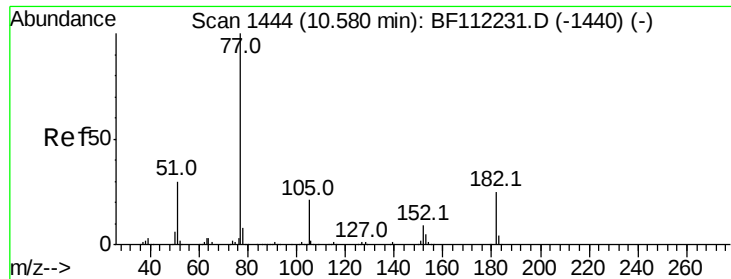
mohammad
 1/29/2019 9:34:56 AM



#62
 4-Nitroaniline
 Concen: 42.564 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. 0.01 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Tgt Ion:	138	Resp:	374361
Ion Ratio	Lower	Upper	
138	100		
92	44.8	30.6	70.6
108	69.0	50.0	90.0





#63

Azobenzene

Concen: 42.677 ng

RT: 10.58 min Scan# 1444

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion: 77 Resp: 1376557

Ion Ratio Lower Upper

77 100

182 27.9 5.7 45.7

105 21.7 1.4 41.4

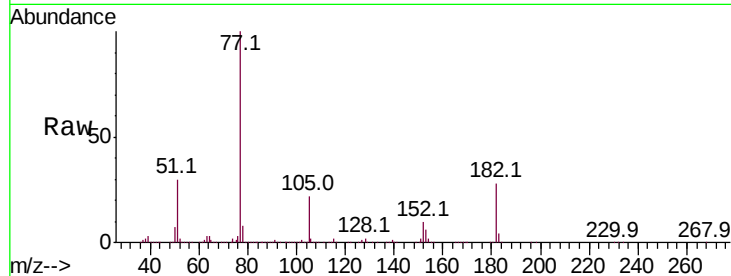
51 29.9 9.5 49.5

Manual Integrations

APPROVED

mohammad

1/29/2019 9:34:56 AM

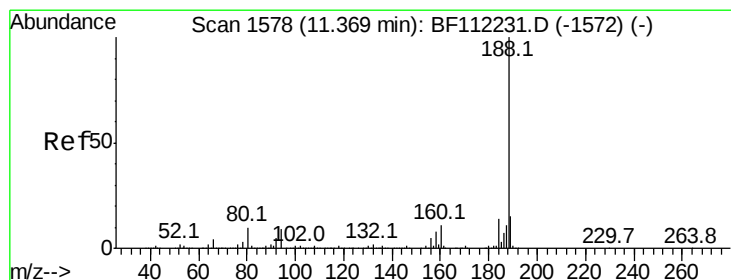
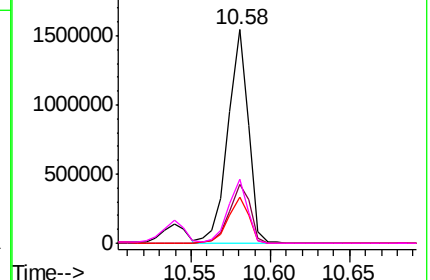
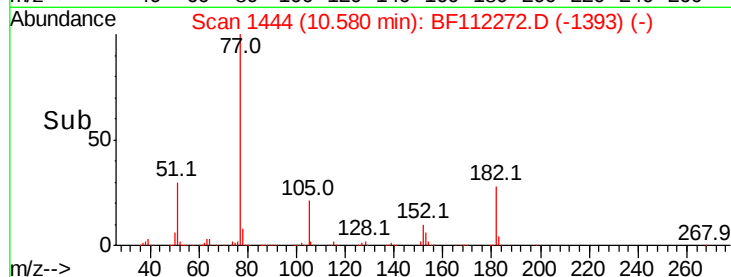


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

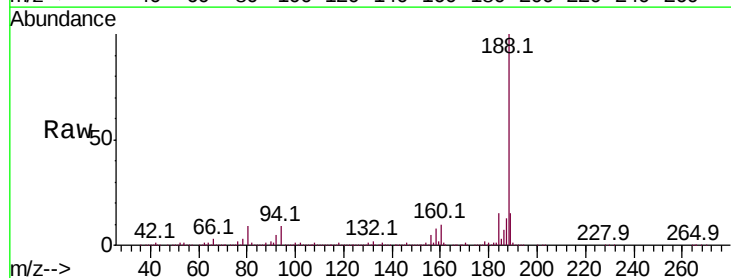
Tgt Ion: 188 Resp: 889609

Ion Ratio Lower Upper

188 100

94 9.1 8.2 12.2

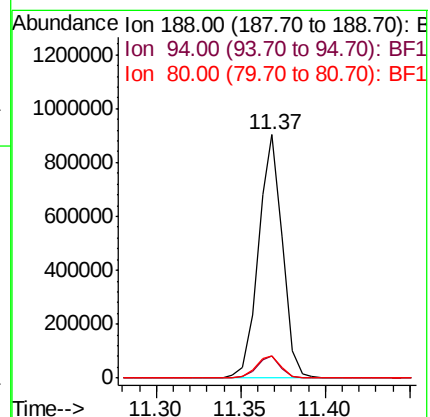
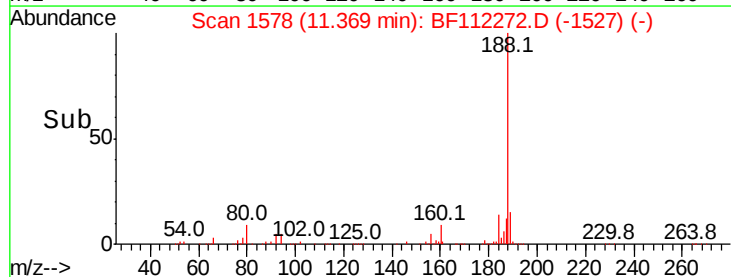
80 9.4 8.9 13.3

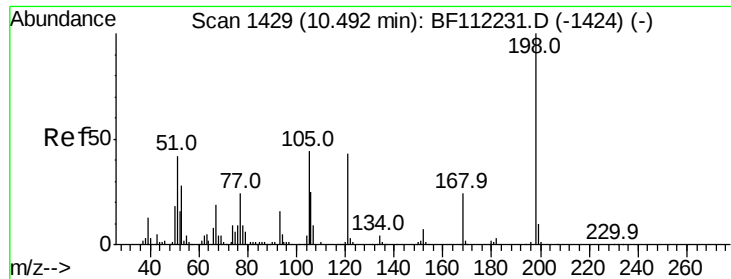


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 42.212 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:198 Resp: 210543

Ion Ratio Lower Upper

198 100

51 46.2 17.2 57.2

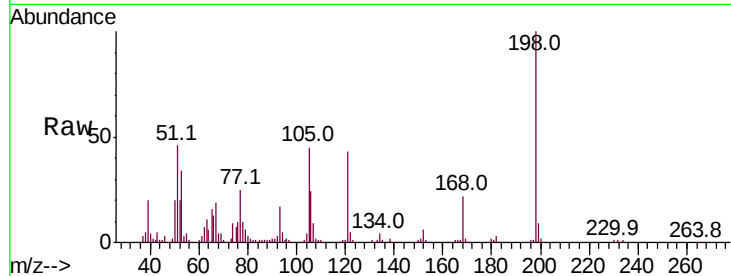
105 44.8 21.9 61.9

Manual Integrations

APPROVED

mohammad

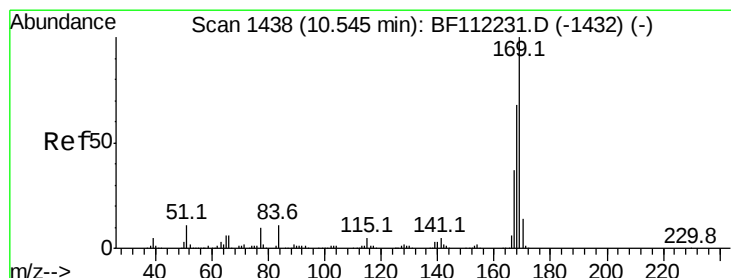
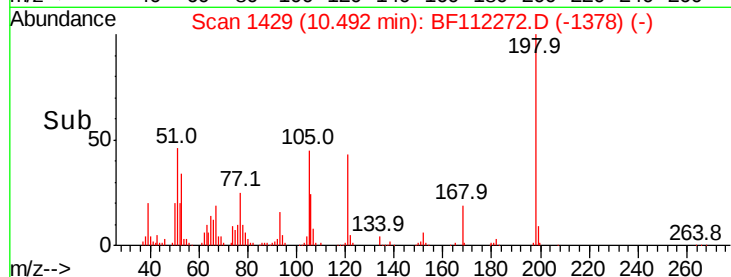
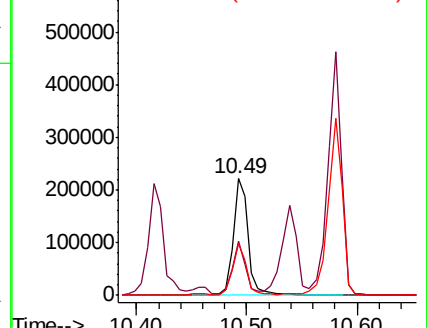
1/29/2019 9:34:56 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 44.181 ng

RT: 10.54 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

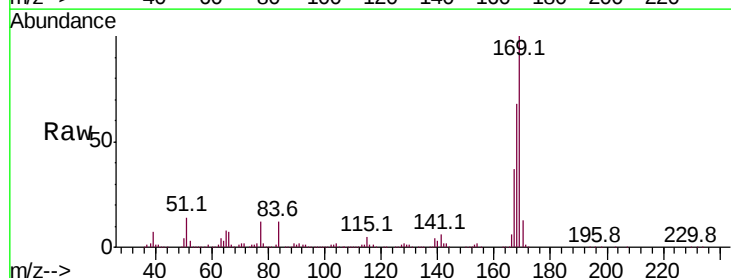
Tgt Ion:169 Resp: 1324659

Ion Ratio Lower Upper

169 100

168 67.9 53.9 80.9

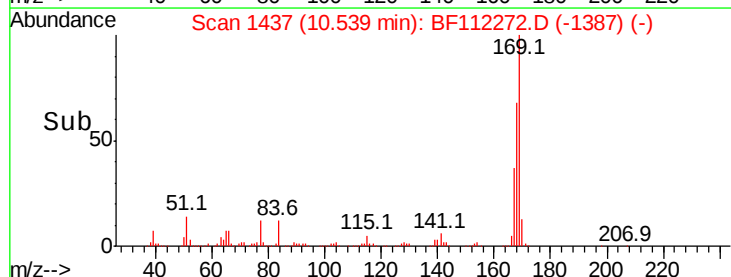
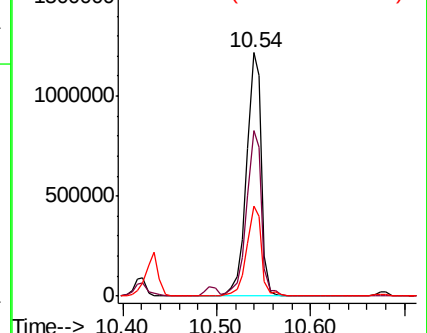
167 37.1 28.9 43.3

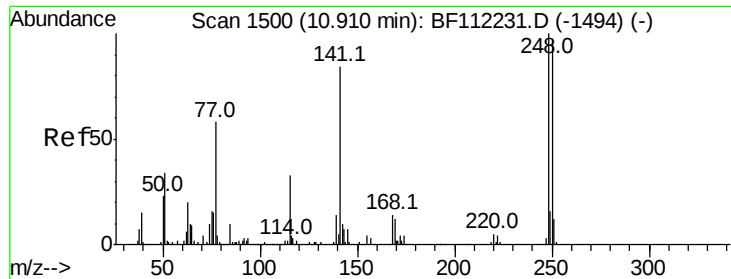


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#67

4-Bromophenyl-phenylether

Concen: 43.219 ng

RT: 10.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

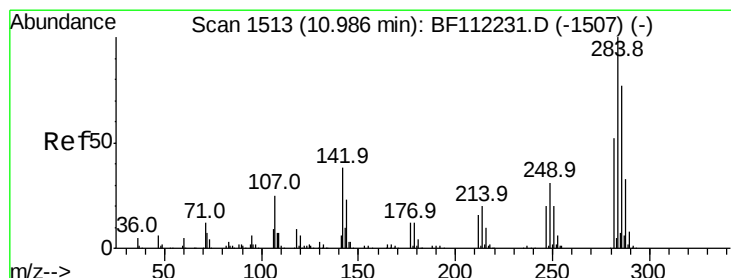
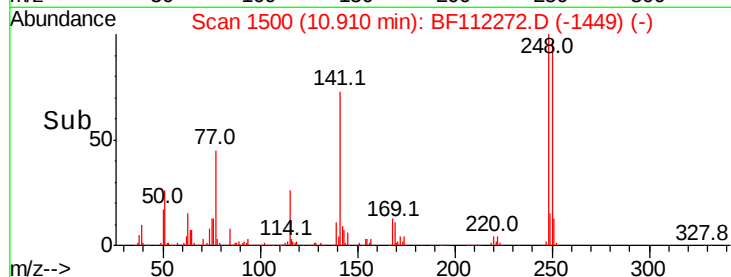
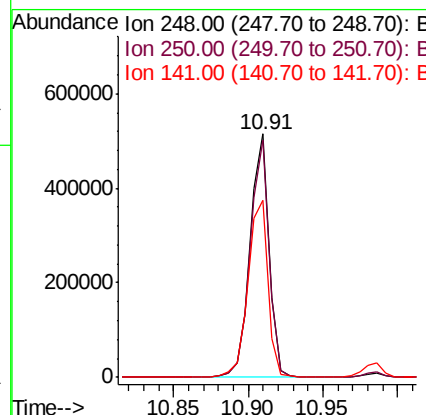
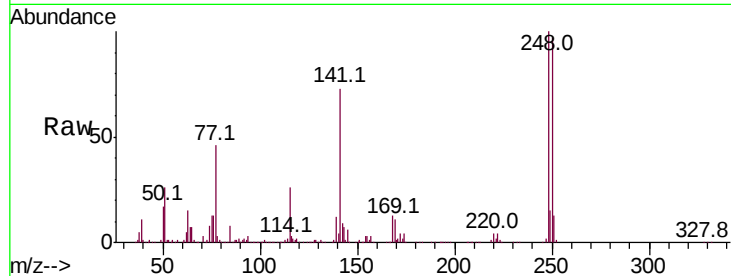
Instrument :
BNA_F

ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.4	79.7	119.5
141	72.6	60.3	90.5

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



#68

Hexachlorobenzene

Concen: 43.437 ng

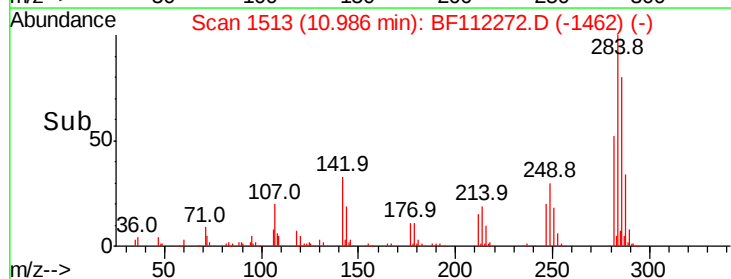
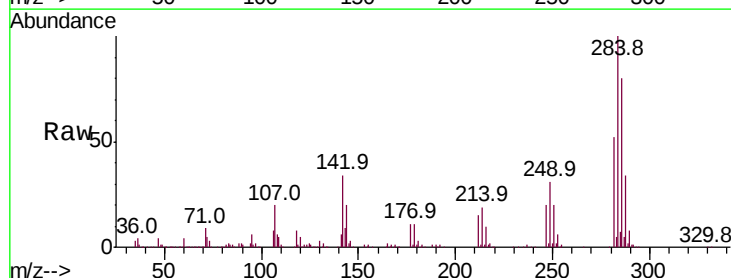
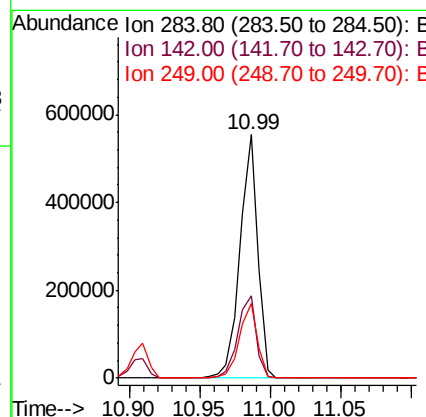
RT: 10.99 min Scan# 1513

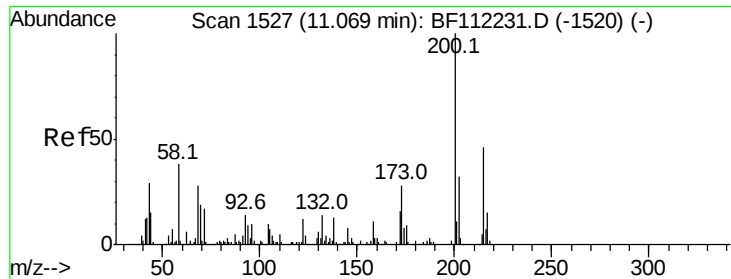
Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.0	27.6	41.4
249	30.8	24.1	36.1





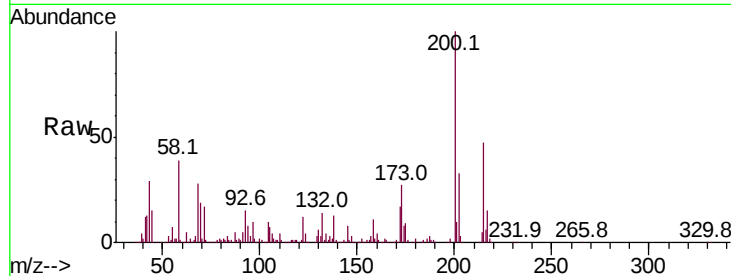
#69
Atrazine
Concen: 41.677 ng
RT: 11.07 min Scan# 1527
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.1		7.1	47.1
215	47.1		30.4	70.4

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM

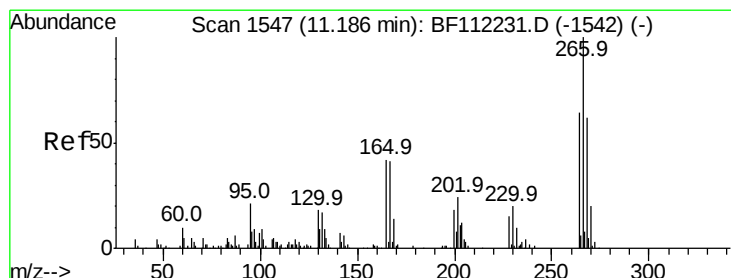
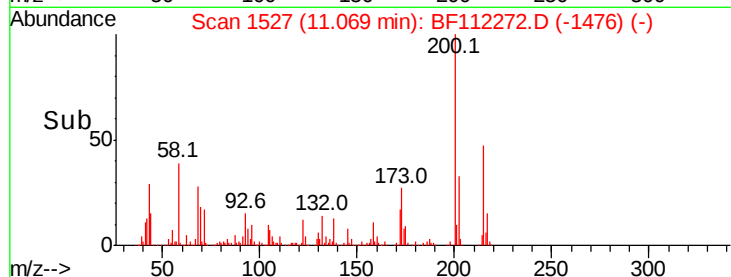
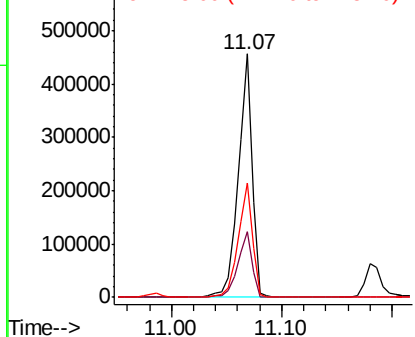


Abundance

Ion 200.00 (199.70 to 200.70): E

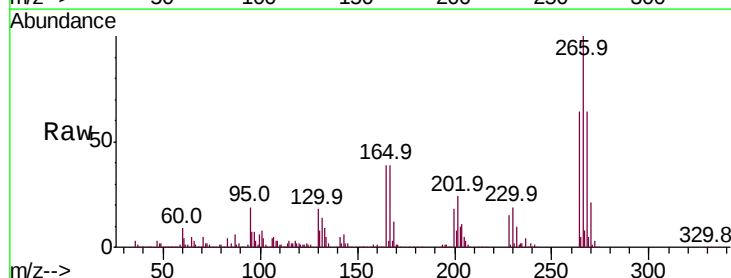
Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#70
Pentachlorophenol
Concen: 89.383 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Resp	Lower	Upper
266	100			
268	63.5		51.2	76.8
264	63.9		50.9	76.3

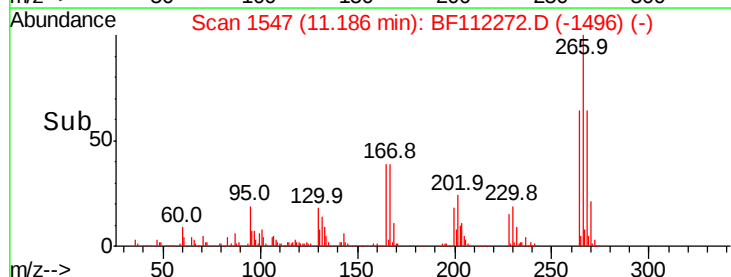
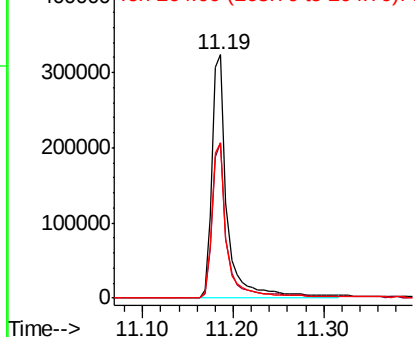


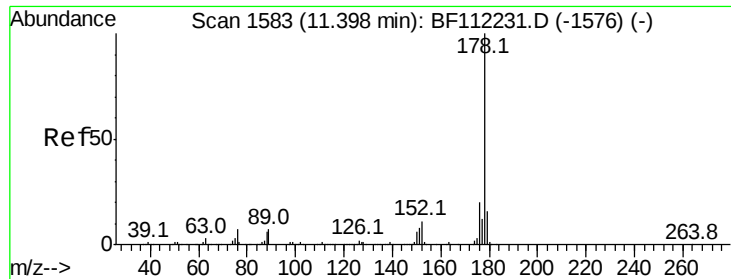
Abundance

Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





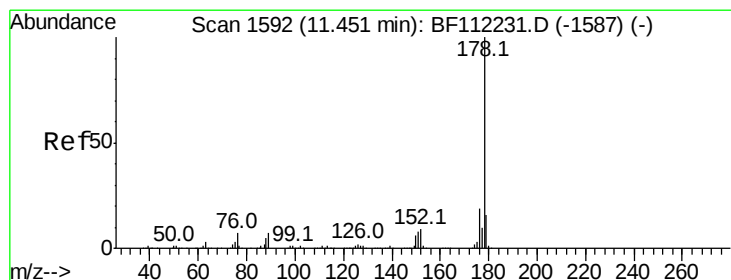
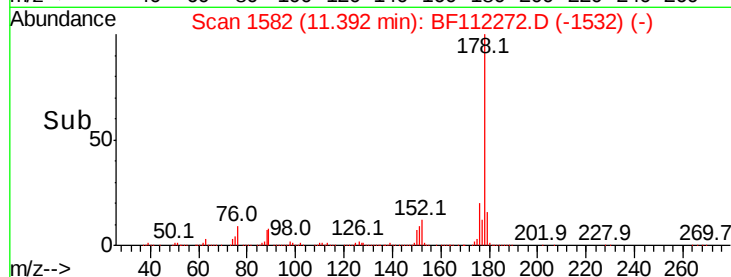
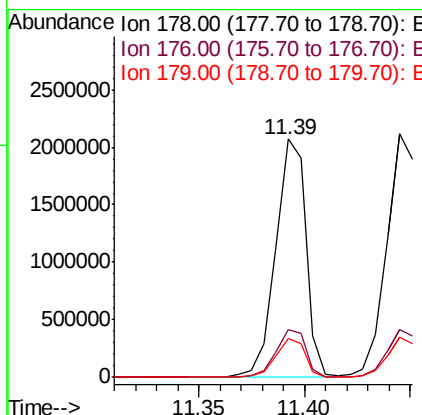
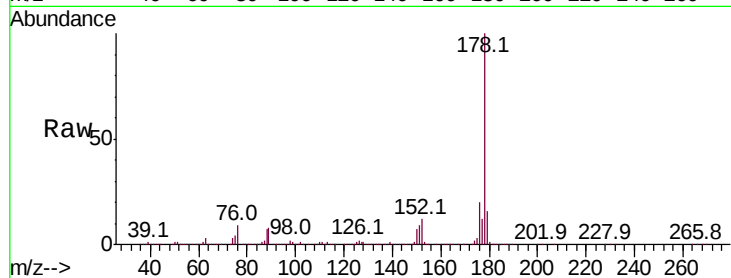
#71
Phenanthrene
Concen: 44.768 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:178 Resp: 2070488
Ion Ratio Lower Upper
178 100
176 20.1 16.3 24.5
179 16.5 13.0 19.4

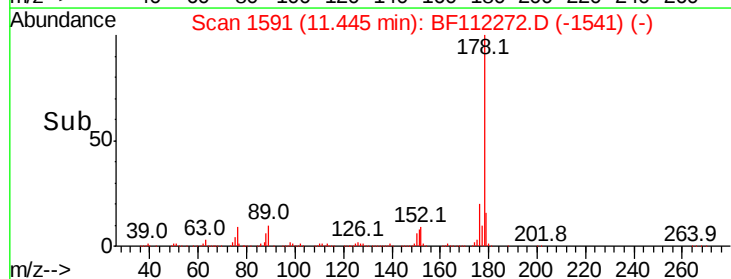
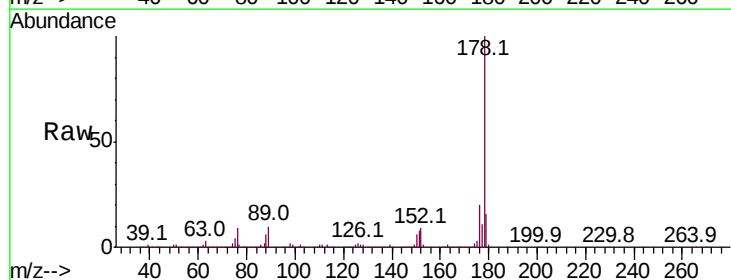
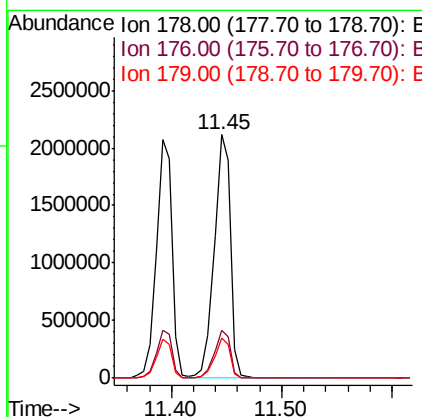
Manual Integrations
APPROVED

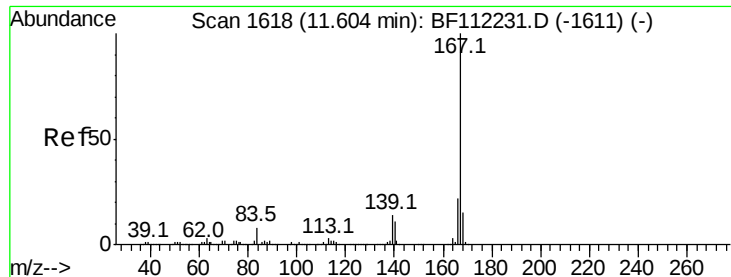
mohammad
1/29/2019 9:34:56 AM



#72
Anthracene
Concen: 46.322 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion:178 Resp: 2134068
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 16.4 12.8 19.2





#73

Carbazole

Concen: 41.870 ng

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:167 Resp: 1902761

Ion Ratio Lower Upper

167 100

166 22.5 17.9 26.9

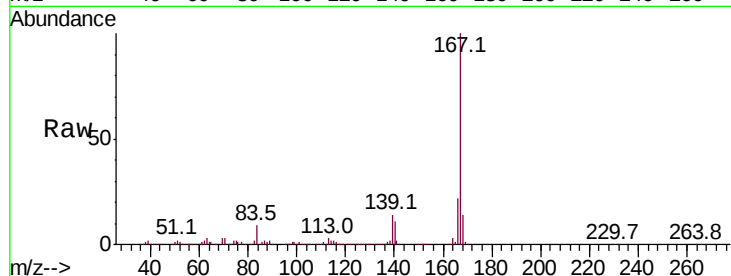
139 14.3 10.2 15.2

Manual Integrations

APPROVED

mohammad

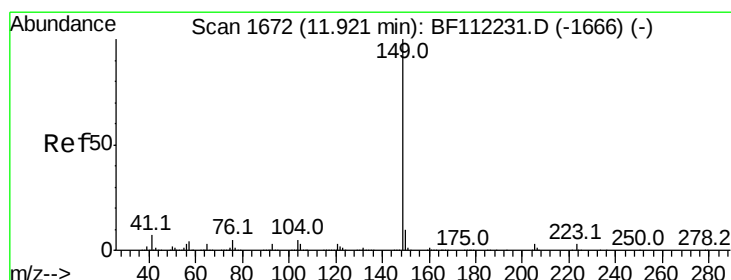
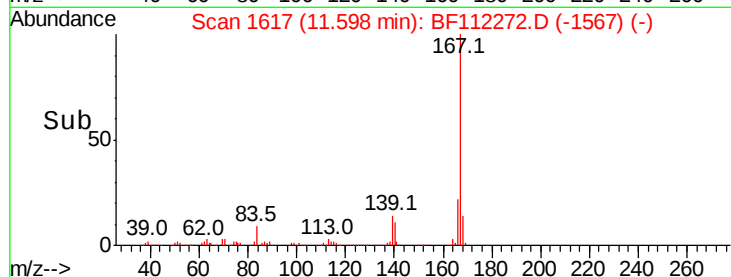
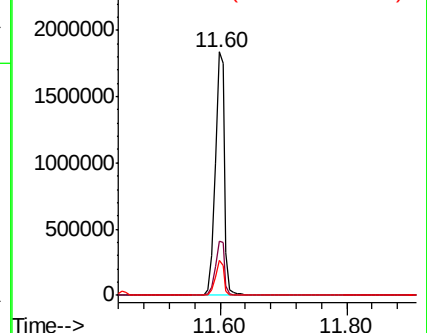
1/29/2019 9:34:56 AM



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Di-n-butylphthalate

Concen: 41.535 ng

RT: 11.92 min Scan# 1672

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

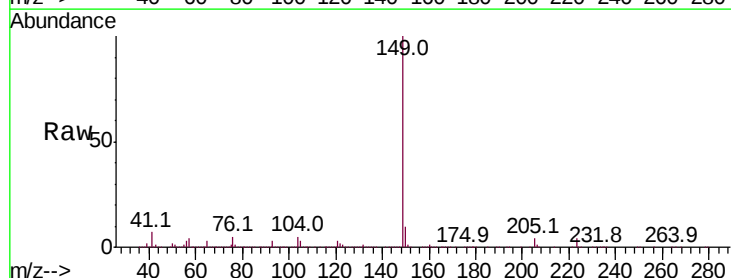
Tgt Ion:149 Resp: 2342892

Ion Ratio Lower Upper

149 100

150 10.1 8.1 12.1

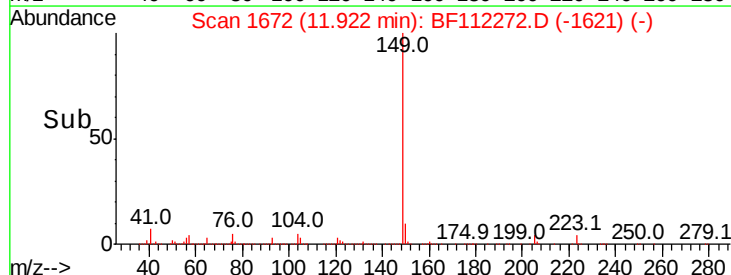
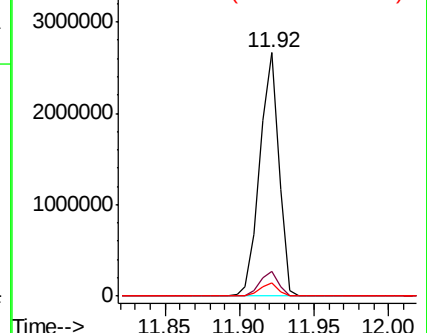
104 5.3 3.9 5.9

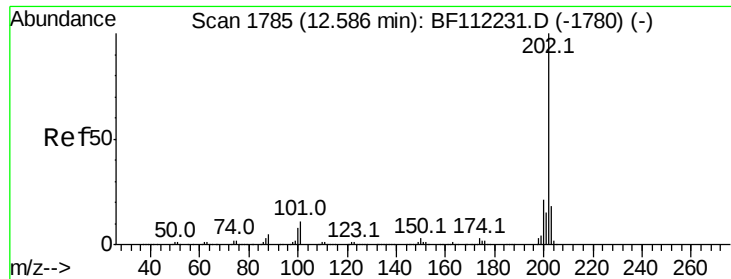


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 42.799 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

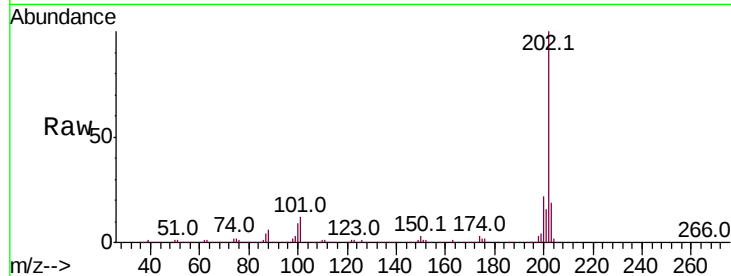
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

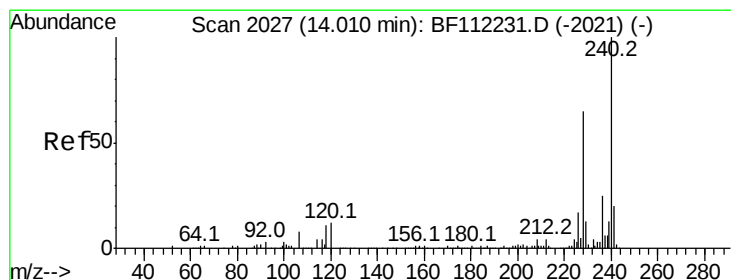
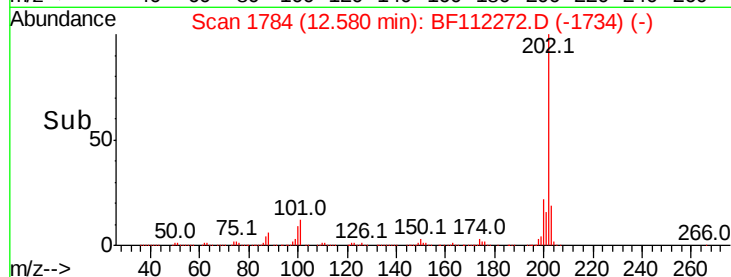
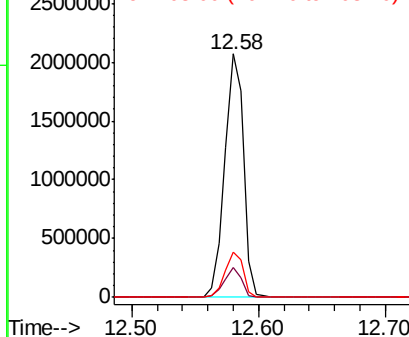
Tot Ion:	202	Resp:	2123042
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.8
203	18.6	0.0	38.4

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

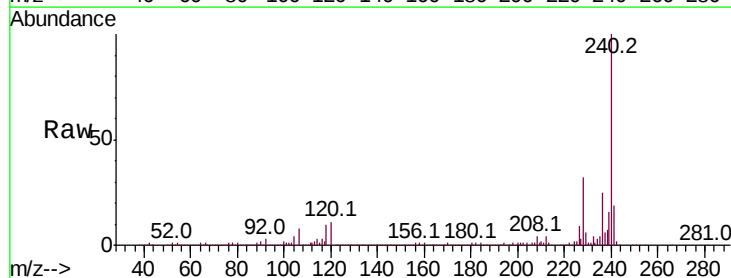
RT: 14.01 min Scan# 2027

Delta R.T. 0.00 min

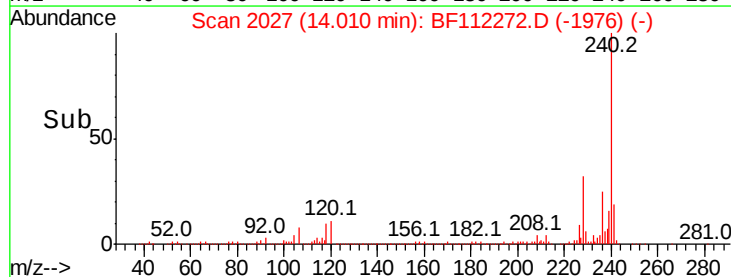
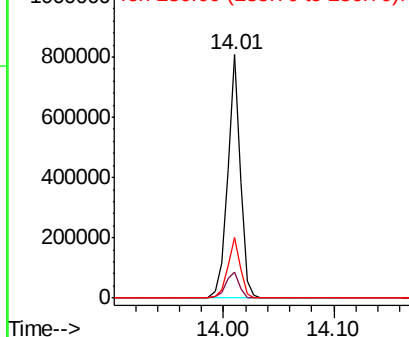
Lab File: BF112272.D

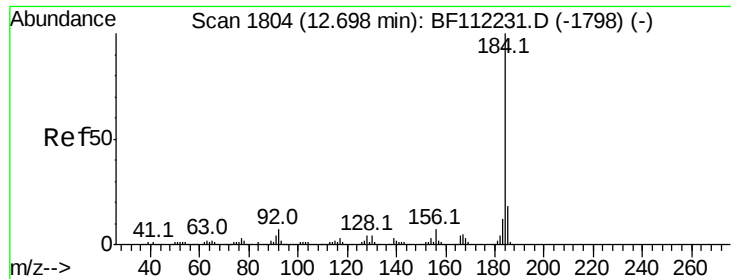
Acq: 28 Jan 2019 14:08

Tgt Ion:	240	Resp:	645998
Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.0	13.6
236	24.9	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 33.424 ng

RT: 12.70 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

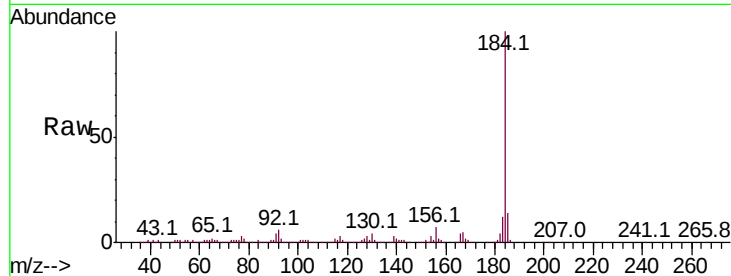
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

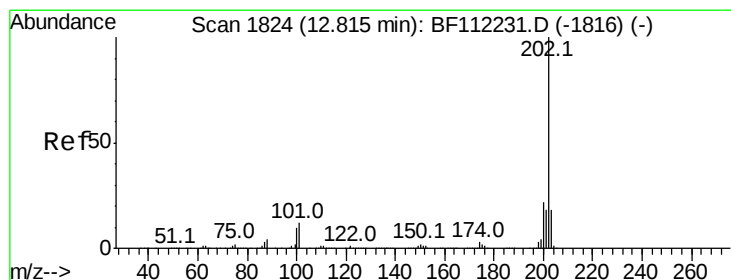
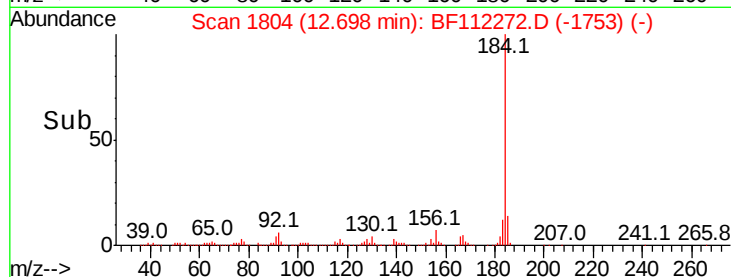
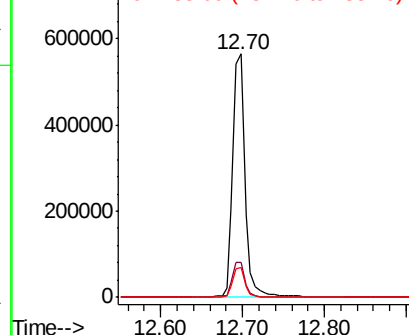
Tot Ion:	184	Resp:	594276
Ion Ratio	Lower	Upper	
184	100		
185	14.1	13.9	20.9
183	12.2	10.0	15.0

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.545 ng

RT: 12.81 min Scan# 1823

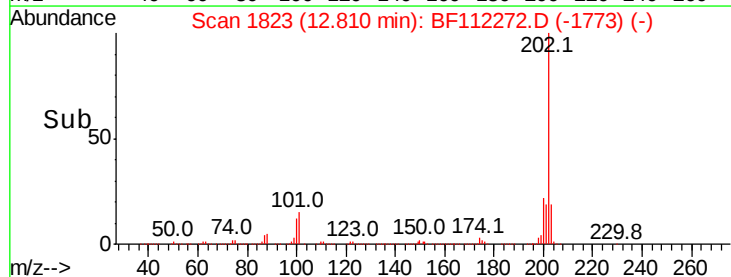
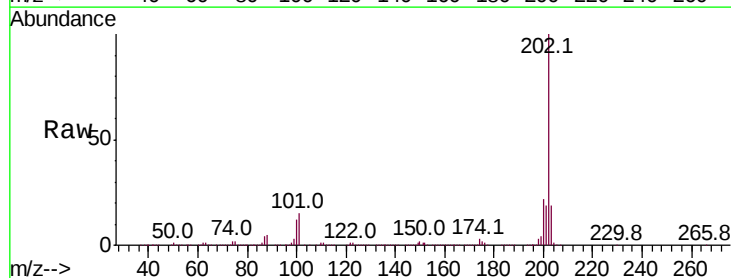
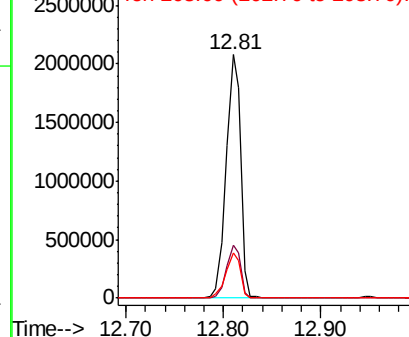
Delta R.T. -0.01 min

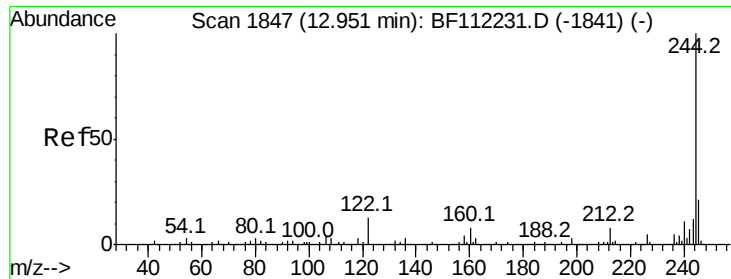
Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Tgt Ion:	202	Resp:	2126480
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.7	26.5
203	18.5	14.6	22.0

Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





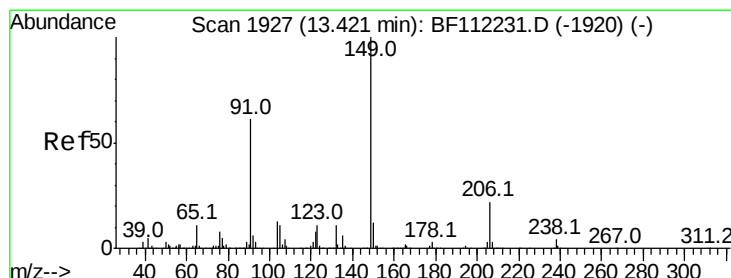
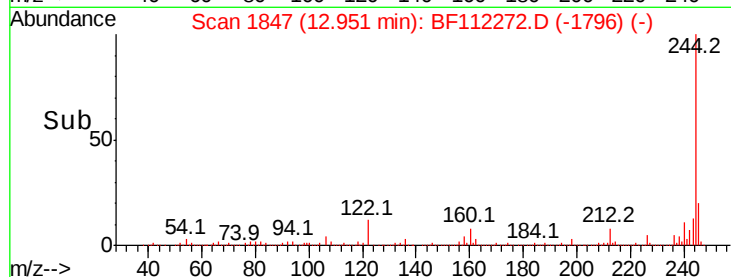
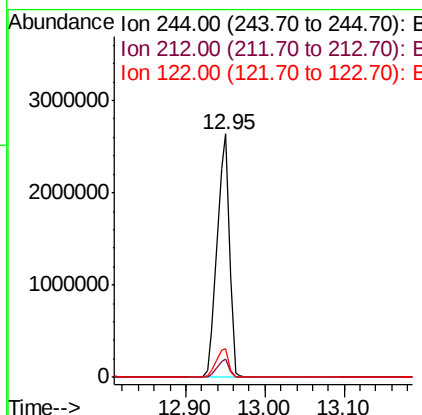
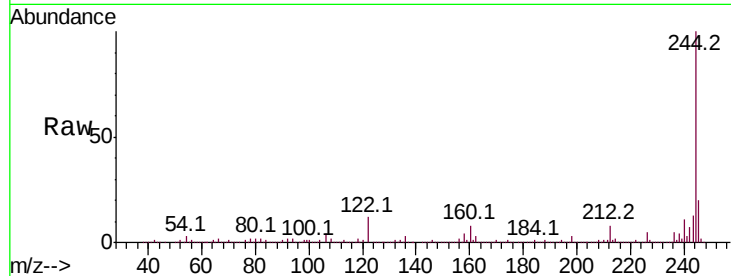
#79
 Terphenyl-d14
 Concen: 83.091 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. 0.00 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Instrument :
 BNA_F
 ClientSampleId :
 FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.9	8.9
122	11.9	9.8	14.6

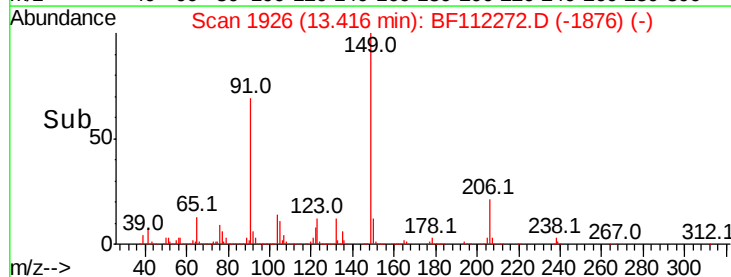
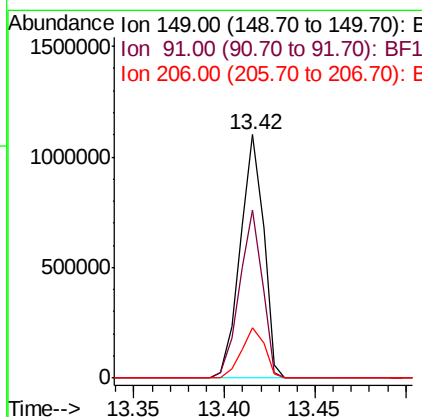
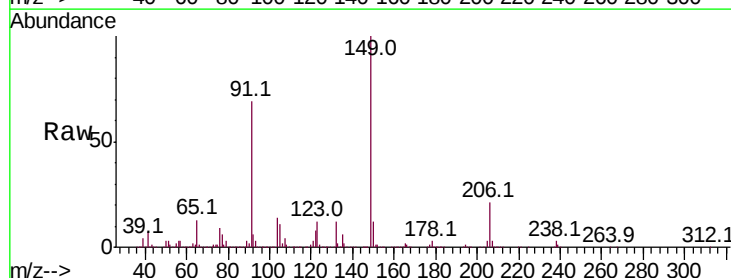
Manual Integrations
 APPROVED

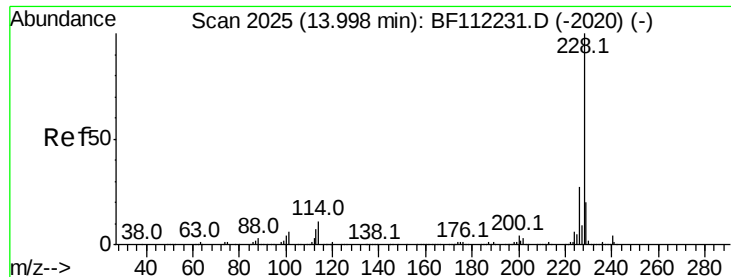
mohammad
 1/29/2019 9:34:56 AM



#80
 Butylbenzylphthalate
 Concen: 45.707 ng
 RT: 13.42 min Scan# 1926
 Delta R.T. -0.01 min
 Lab File: BF112272.D
 Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
149	100		
91	68.9	50.3	75.5
206	20.6	18.2	27.4





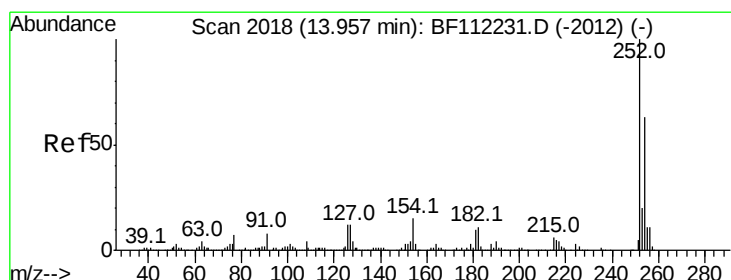
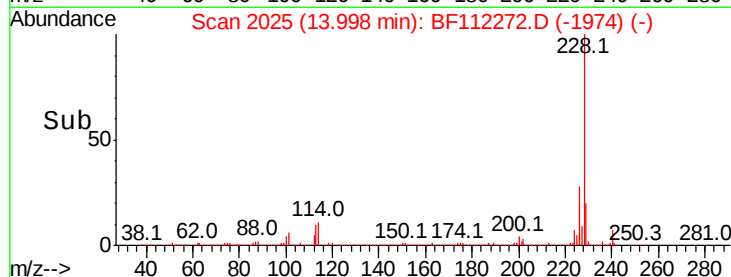
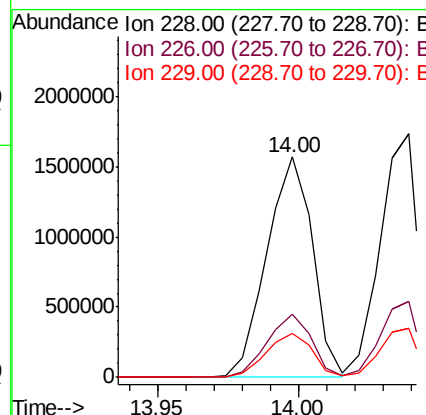
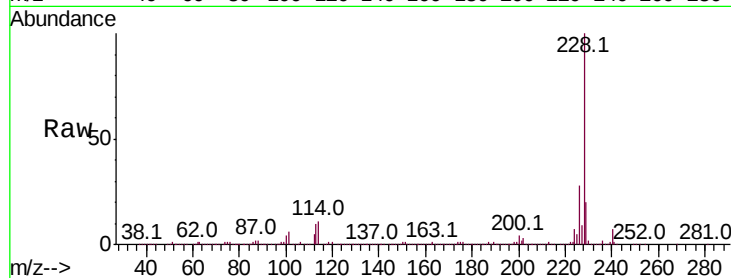
#81
Benzo(a)anthracene
Concen: 46.497 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	34.0
229	20.2	16.5	24.7

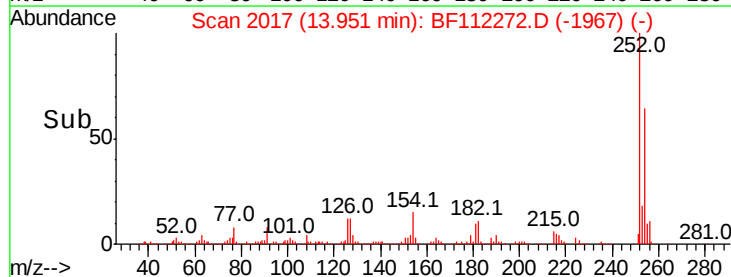
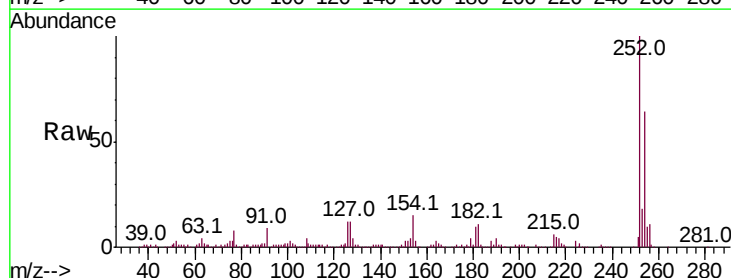
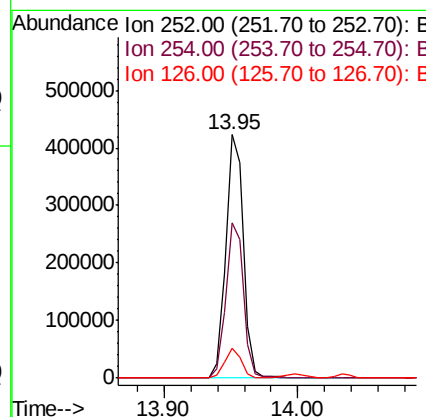
Manual Integrations
APPROVED

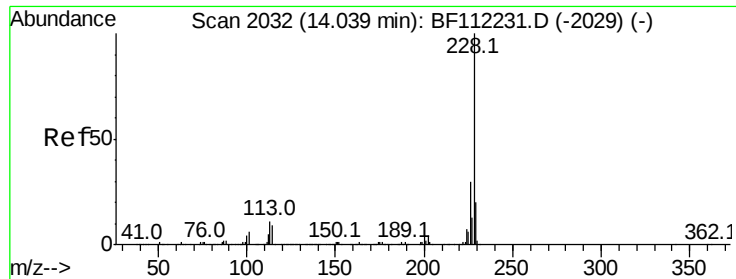
mohammad
1/29/2019 9:34:56 AM



#82
3,3'-Dichlorobenzidine
Concen: 27.844 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.9	51.6	77.4
126	12.5	8.6	12.8





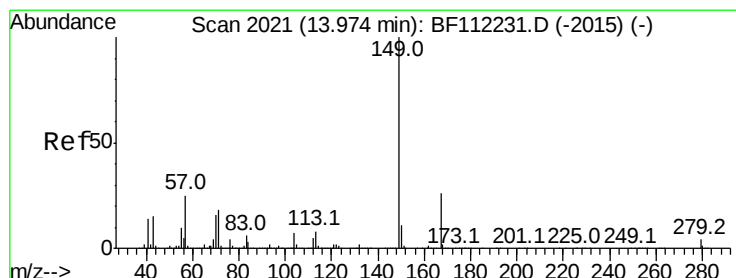
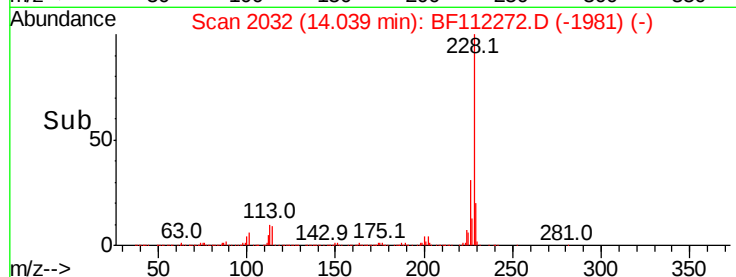
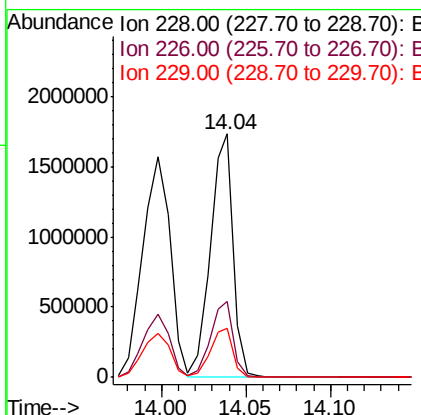
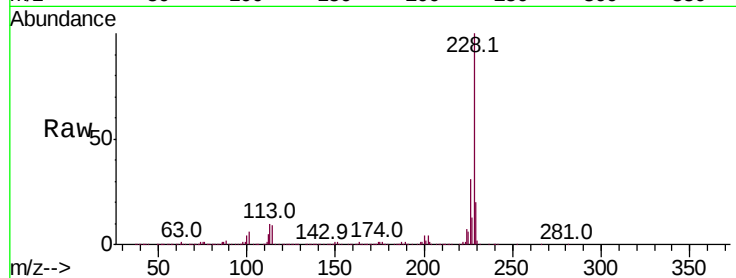
#83
Chrysene
Concen: 44.674 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	20.1	16.6	24.8

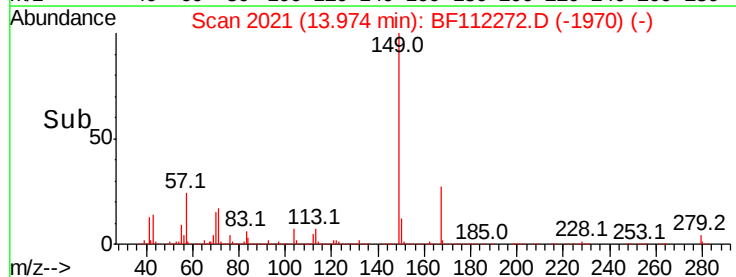
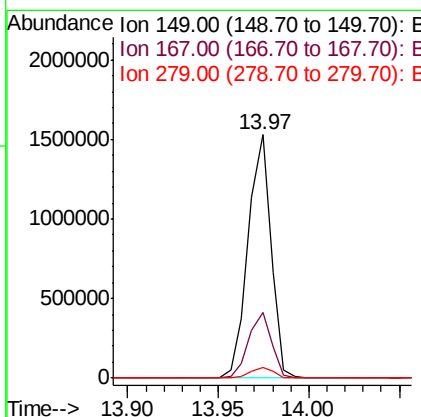
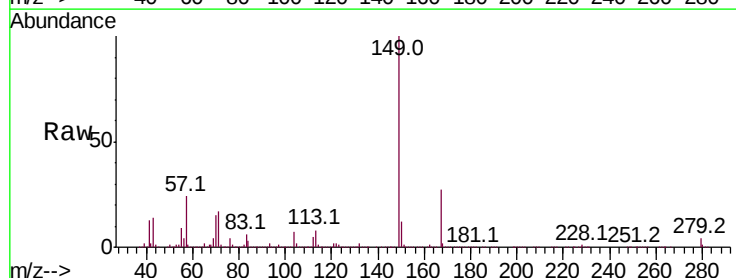
Manual Integrations
APPROVED

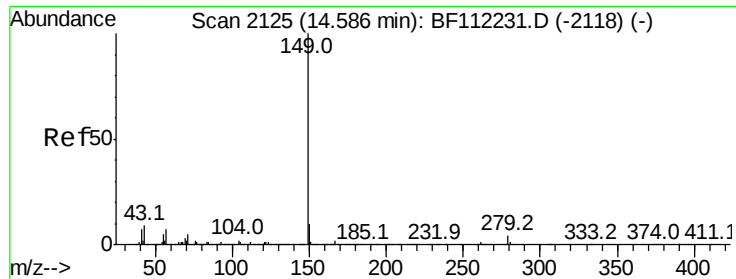
mohammad
1/29/2019 9:34:56 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 44.002 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.2	22.5	33.7
279	4.3	3.8	5.6





#85

Di-n-octyl phthalate

Concen: 43.496 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion:149 Resp: 205535

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

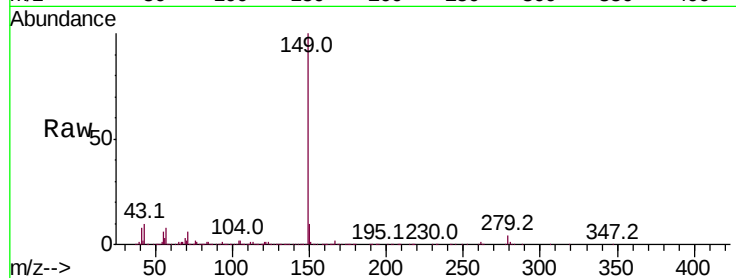
43 9.1 7.8 11.6

Manual Integrations

APPROVED

mohammad

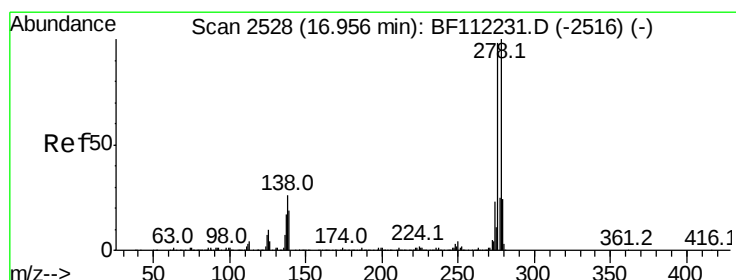
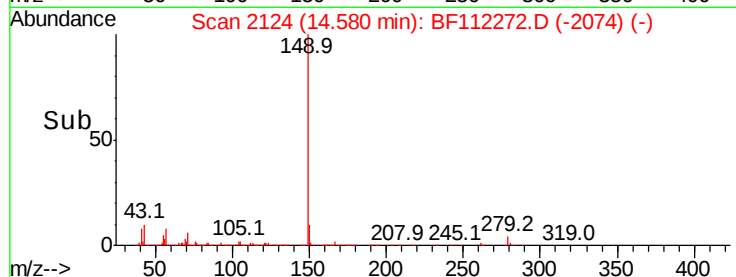
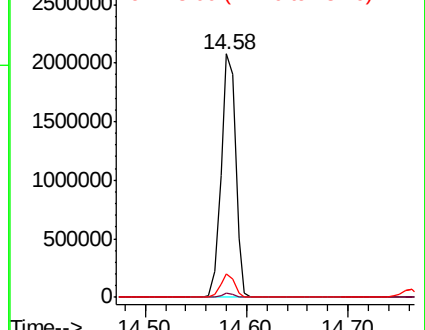
1/29/2019 9:34:56 AM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 53.912 ng

RT: 16.96 min Scan# 2528

Delta R.T. 0.00 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

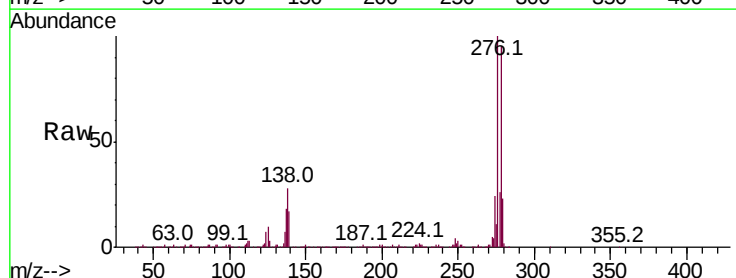
Tgt Ion:276 Resp: 1548536

Ion Ratio Lower Upper

276 100

138 26.2 22.6 34.0

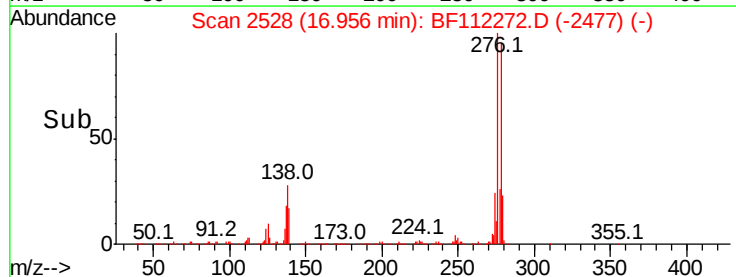
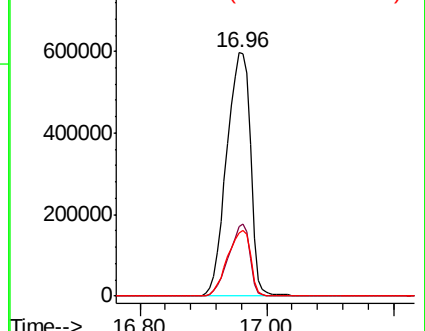
277 26.1 20.3 30.5

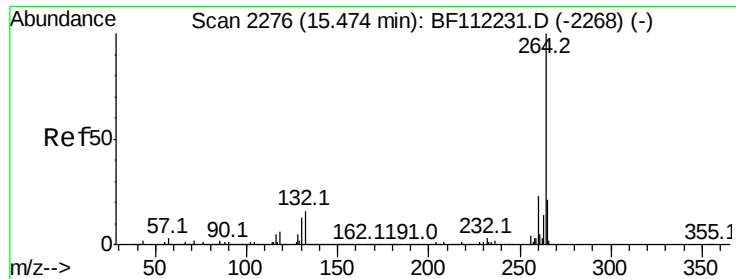


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Instrument :

BNA_F

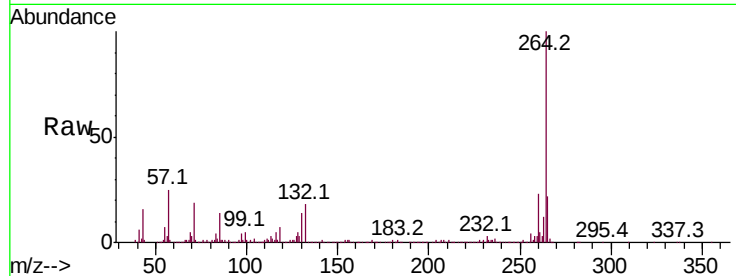
ClientSampleId :

FK-BPM-01-AA01-BB01-AA01A-AA0

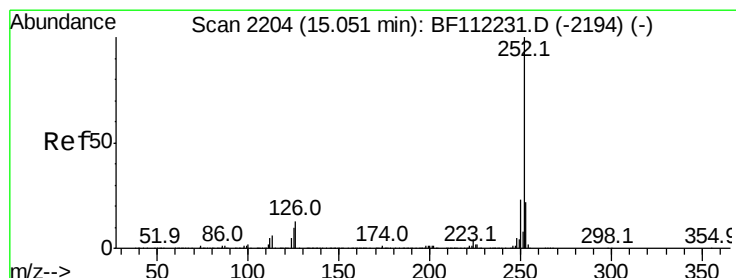
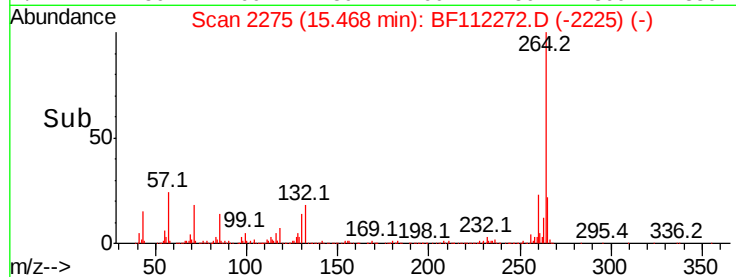
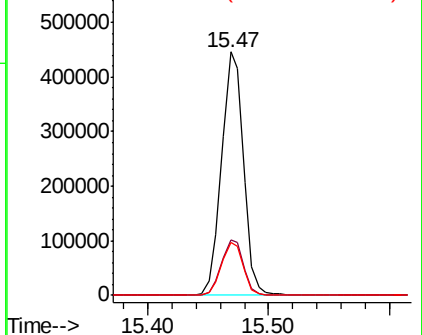
Tot Ion:	264	Resp:	558925
Ion Ratio	Lower	Upper	
264	100		
260	23.0	18.2	27.2
265	21.8	17.0	25.4

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 48.843 ng

RT: 15.04 min Scan# 2203

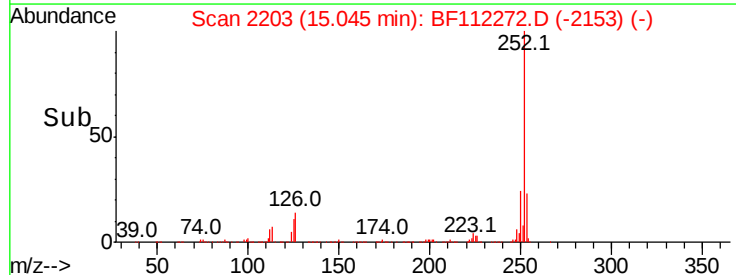
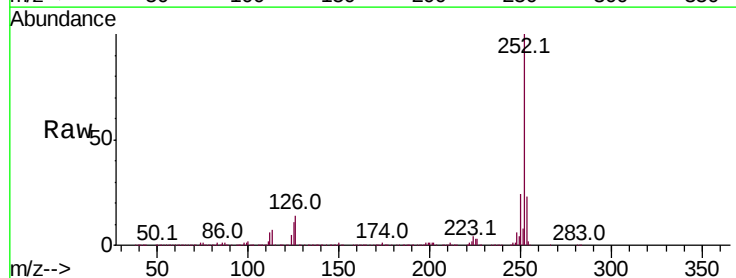
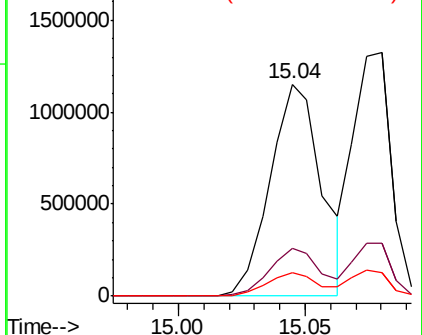
Delta R.T. -0.01 min

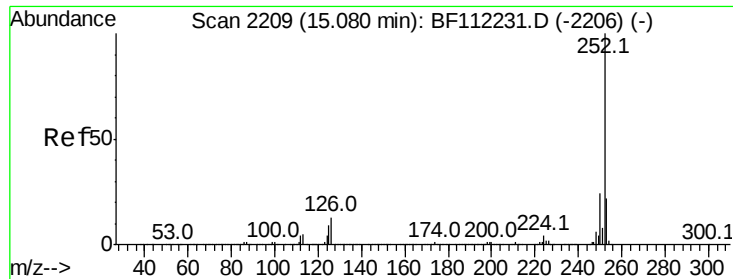
Lab File: BF112272.D

Acq: 28 Jan 2019 14:08

Tgt Ion:	252	Resp:	1632649
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.0	27.0
125	11.2	8.7	13.1

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





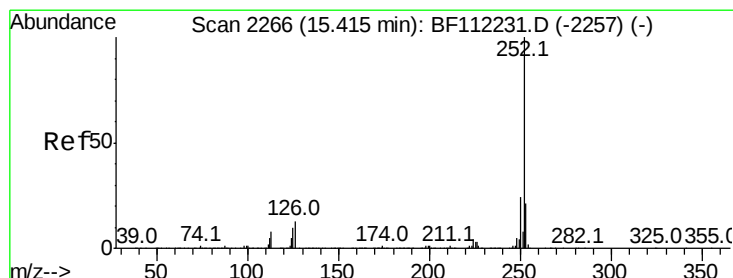
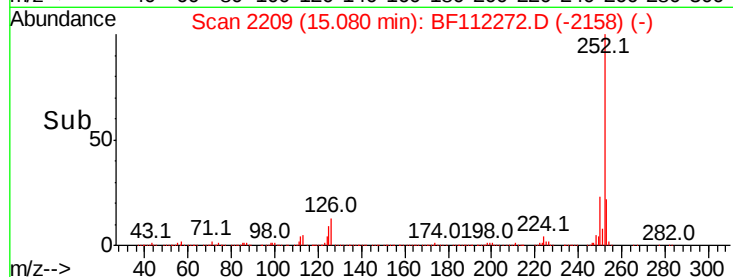
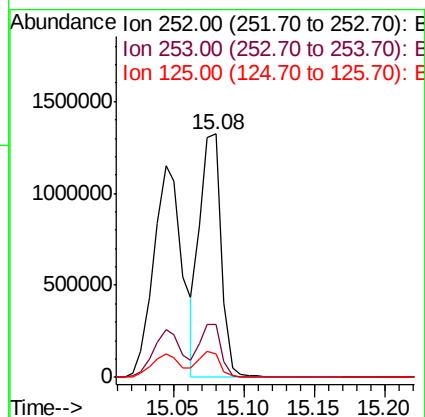
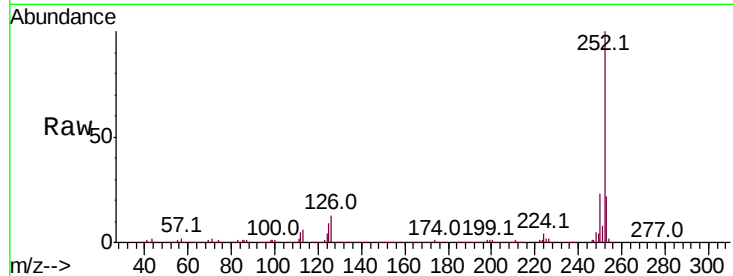
#89
Benzo(k)fluoranthene
Concen: 43.597 ng
RT: 15.08 min Scan# 2209
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	9.4	9.1	13.7

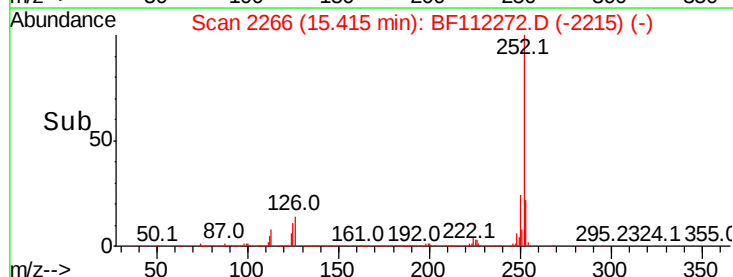
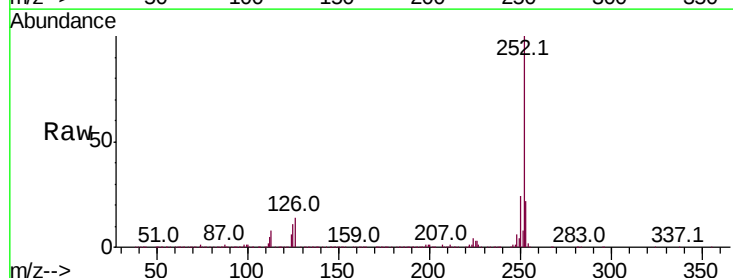
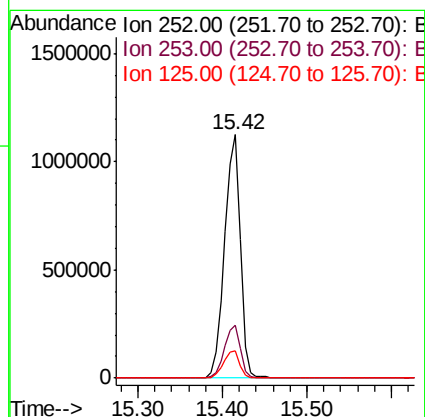
Manual Integrations
APPROVED

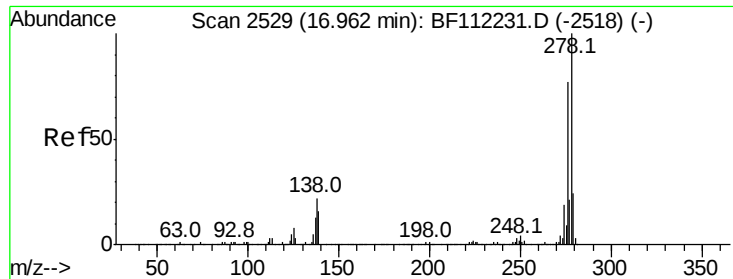
mohammad
1/29/2019 9:34:56 AM



#90
Benzo(a)pyrene
Concen: 48.719 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.5	26.3
125	11.0	9.0	13.4





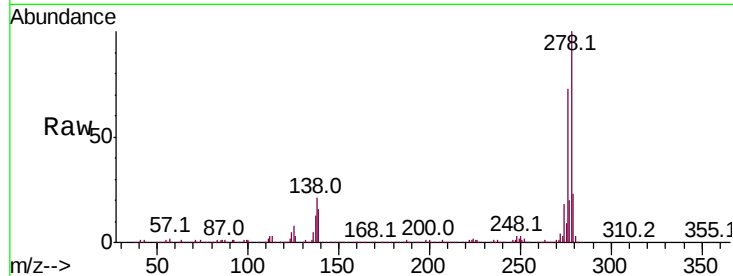
#91
Dibenzo(a,h)anthracene
Concen: 53.049 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Instrument :
BNA_F
ClientSampleId :
FK-BPM-01-AA01-BB01-AA01A-AA0

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.7	20.5
279	22.8	19.0	28.6

Manual Integrations
APPROVED

mohammad
1/29/2019 9:34:56 AM

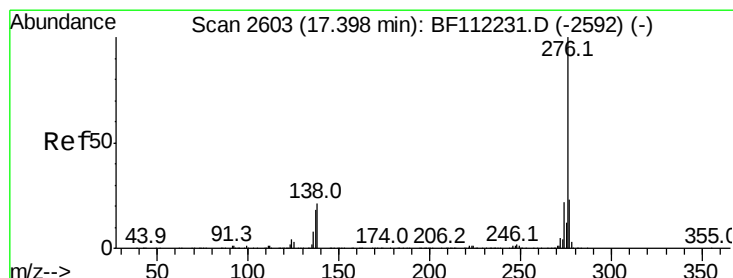
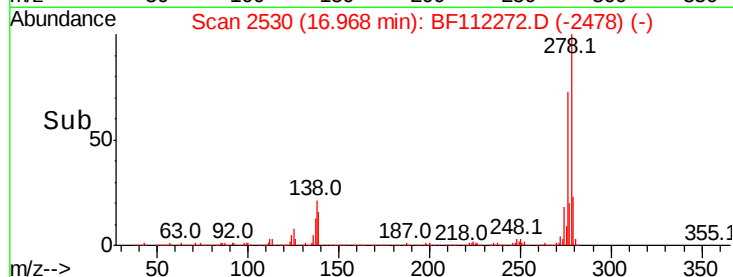
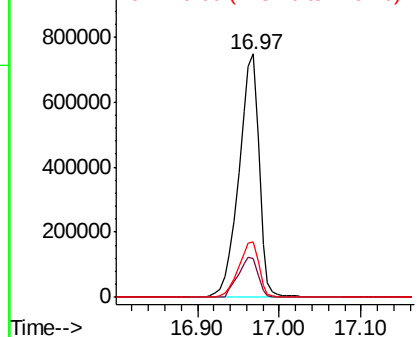


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 56.328 ng
RT: 17.40 min Scan# 2604
Delta R.T. 0.01 min
Lab File: BF112272.D
Acq: 28 Jan 2019 14:08

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.4	29.0
138	21.7	19.1	28.7

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

