

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114279.D
 Acq On : 15 May 2019 12:27
 Operator : JU/SJ
 Sample : PB119713BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119713BS

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:50:55 AM

Quant Time: May 16 07:21:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	274351	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1103344	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	521253	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	1008680	20.00	ng	0.00
76) Chrysene-d12	14.02	240	703057	20.00	ng	0.00
87) Perylene-d12	15.51	264	700592	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	1738829	101.99	ng	0.02
7) Phenol-d6	6.50	99	2240419	111.11	ng	0.01
23) Nitrobenzene-d5	7.41	82	1268804	64.54	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	541986	100.57	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	2167295	62.89	ng	0.00
79) Terphenyl-d14	12.96	244	2154097	63.16	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.74	88	303250	32.362	ng	99
3) Pyridine	3.49	79	785820	30.437	ng	97
4) n-Nitrosodimethylamine	3.44	42	392734	31.544	ng	95
6) Aniline	6.52	93	656215	22.530	ng	# 10
8) 2-Chlorophenol	6.65	128	657387	36.120	ng	95
9) Benzaldehyde	6.40	77	287761	20.386	ng	99
10) Phenol	6.52	94	793963	33.473	ng	91
11) bis(2-Chloroethyl)ether	6.59	93	669862	37.199	ng	98
12) 1,3-Dichlorobenzene	6.79	146	692323	33.888	ng	100
13) 1,4-Dichlorobenzene	6.87	146	698662	33.938	ng	97
14) 1,2-Dichlorobenzene	7.02	146	644763	34.281	ng	99
15) Benzyl Alcohol	7.00	79	555511	35.324	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.12	45	1195471	34.239	ng	67
17) 2-Methylphenol	7.12	107	542881	36.312	ng	# 92
18) Hexachloroethane	7.36	117	264815	34.270	ng	98
19) n-Nitroso-di-n-propylamine	7.26	70	463637	36.277	ng	99
20) 3+4-Methylphenols	7.27	107	672535	38.935	ng	# 59
22) Acetophenone	7.26	105	896379	36.673	ng	92
24) Nitrobenzene	7.43	77	721072	36.010	ng	95
25) Isophorone	7.67	82	1309152	35.904	ng	98
26) 2-Nitrophenol	7.75	139	368803	37.962	ng	97
27) 2,4-Dimethylphenol	7.79	122	594082	38.935	ng	99
28) bis(2-Chloroethoxy)methane	7.87	93	833610	35.236	ng	98
29) 2,4-Dichlorophenol	8.00	162	541905	35.667	ng	98
30) 1,2,4-Trichlorobenzene	8.07	180	587131	33.983	ng	99
31) Naphthalene	8.15	128	1874353	36.368	ng	99
32) Benzoic acid	7.93	122	359021	35.193	ng	97
33) 4-Chloroaniline	8.20	127	472725	20.128	ng	98
34) Hexachlorobutadiene	8.27	225	322803	32.837	ng	98
35) Caprolactam	8.57	113	195453m	39.452	ng	
36) 4-Chloro-3-methylphenol	8.70	107	581765	38.040	ng	99
37) 2-Methylnaphthalene	8.85	142	1260196	37.898	ng	98
38) 1-Methylnaphthalene	8.95	142	1178998	37.650	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.02	216	558289	35.357	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114279.D
 Acq On : 15 May 2019 12:27
 Operator : JU/SJ
 Sample : PB119713BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB119713BS

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:50:55 AM

Quant Time: May 16 07:21:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.00	237	410612	57.125	nq	98
43) 2,4,6-Trichlorophenol	9.13	196	368242	33.906	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	384693	34.538	nq	96
46) 1,1'-Biphenyl	9.31	154	1499661	35.613	nq	98
47) 2-Chloronaphthalene	9.33	162	1145589	33.803	nq	100
48) 2-Nitroaniline	9.43	65	408214	33.964	nq	98
49) Acenaphthylene	9.75	152	1848387	35.860	nq	99
50) Dimethylphthalate	9.60	163	1336906	34.938	nq	99
51) 2,6-Dinitrotoluene	9.67	165	303730	35.787	nq	89
52) Acenaphthene	9.92	154	1066564	33.720	nq	98
53) 3-Nitroaniline	9.85	138	245961	23.346	nq	96
54) 2,4-Dinitrophenol	9.96	184	269244	64.516	nq	90
55) Dibenzofuran	10.09	168	1591563	34.315	nq	98
56) 4-Nitrophenol	10.03	139	389547	52.284	nq	95
57) 2,4-Dinitrotoluene	10.08	165	390976	33.940	nq	# 89
58) Fluorene	10.44	166	1232890	34.414	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.22	232	323206	33.631	nq	98
60) Diethylphthalate	10.30	149	1307475	33.629	nq	99
61) 4-Chlorophenyl-phenylether	10.42	204	599431	34.067	nq	97
62) 4-Nitroaniline	10.46	138	344150	31.086	nq	99
63) Azobenzene	10.59	77	1316156	34.973	nq	99
65) 4,6-Dinitro-2-methylphenol	10.50	198	179801	37.097	nq	95
66) n-Nitrosodiphenylamine	10.54	169	1123334	36.694	nq	99
67) 4-Bromophenyl-phenylether	10.92	248	381397	34.342	nq	95
68) Hexachlorobenzene	10.99	284	409361	33.319	nq	94
69) Atrazine	11.07	200	331002	34.744	nq	99
70) Pentachlorophenol	11.19	266	342910	58.877	nq	99
71) Phenanthrene	11.40	178	1738379	35.424	nq	99
72) Anthracene	11.45	178	1821480	36.954	nq	100
73) Carbazole	11.60	167	1709963	36.380	nq	99
74) Di-n-butylphthalate	11.93	149	1974327	36.460	nq	100
75) Fluoranthene	12.59	202	1879064	35.557	nq	98
77) Benzidine	12.70	184	973203	30.837	nq	97
78) Pyrene	12.82	202	1891302	33.440	nq	99
80) Butylbenzylphthalate	13.42	149	866393	36.395	nq	94
81) Benzo(a)anthracene	14.01	228	1606623	35.331	nq	99
82) 3,3'-Dichlorobenzidine	13.97	252	417341	23.658	nq	99
83) Chrysene	14.05	228	1561356	35.026	nq	99
84) Bis(2-ethylhexyl)phthalate	13.99	149	1170703	37.601	nq	99
85) Di-n-octyl phthalate	14.62	149	1950639	38.649	nq	100
86) Indeno(1,2,3-cd)pyrene	17.00	276	1378977	35.003	nq	98
88) Benzo(b)fluoranthene	15.08	252	1661289	37.013	nq	99
89) Benzo(k)fluoranthene	15.12	252	1423738	34.531	nq	99
90) Benzo(a)pyrene	15.45	252	1475744	37.359	nq	100
91) Dibenzo(a,h)anthracene	17.01	278	1134826	34.573	nq	99
92) Benzo(g,h,i)perylene	17.44	276	1150250	34.968	nq	100

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

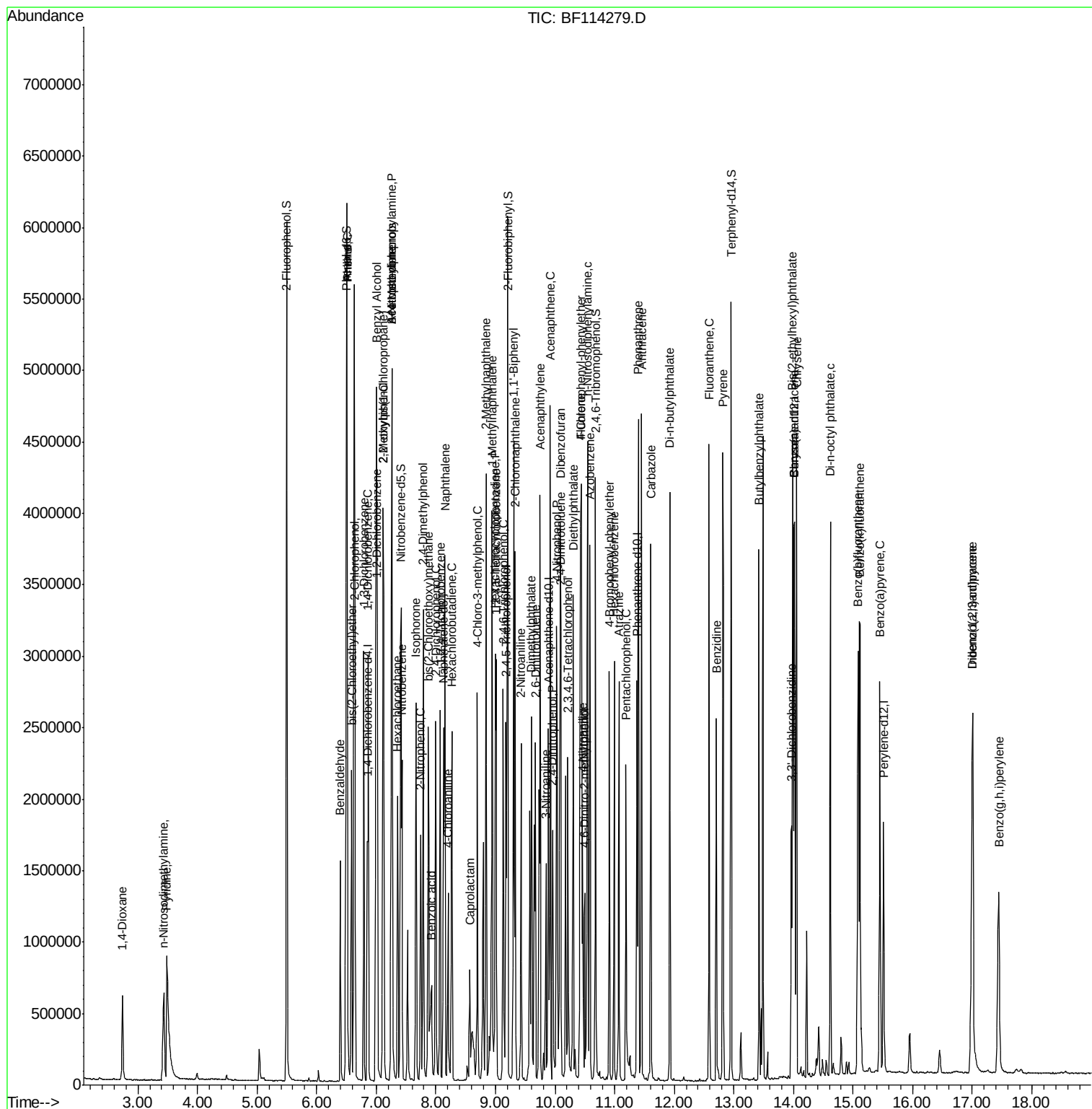
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114279.D
 Acq On : 15 May 2019 12:27
 Operator : JU/SJ
 Sample : PB119713BS
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

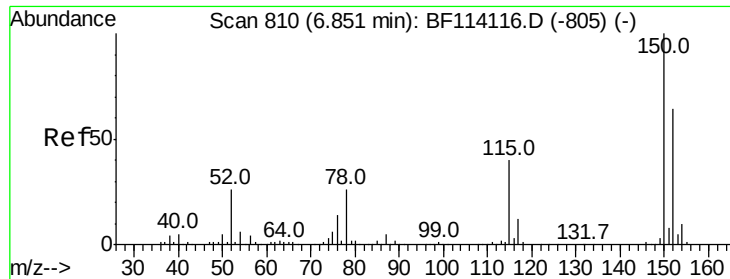
Instrument :
 BNA_F
 ClientSampleId :
 PB119713BS

Manual Integrations
 APPROVED

mohammad
 5/16/2019 9:50:55 AM

Quant Time: May 16 07:21:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration





#1

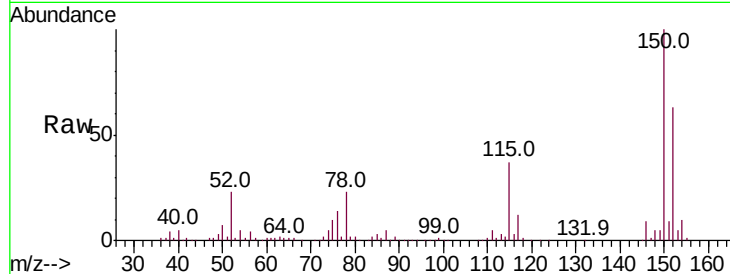
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.3	186.5
115	58.3	49.1	73.7

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM

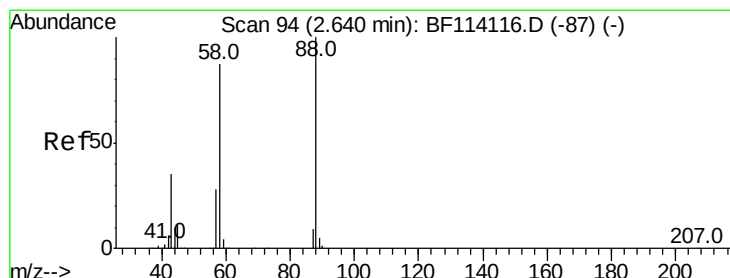
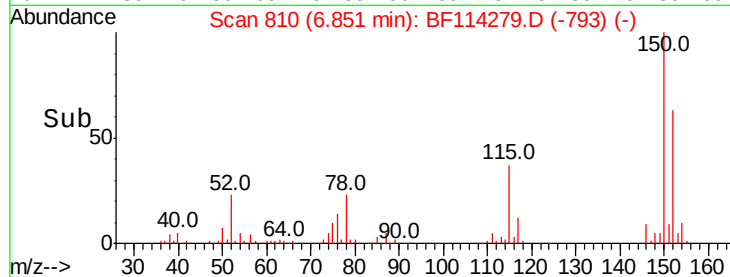
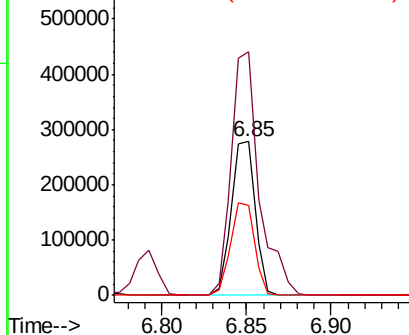


Abundance

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: 32.362 ng
RT: 2.74 min Scan# 111
Delta R.T. 0.10 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

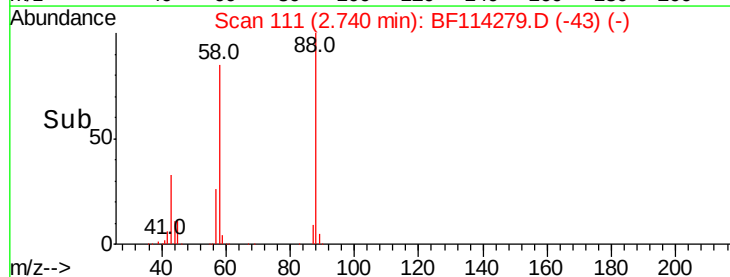
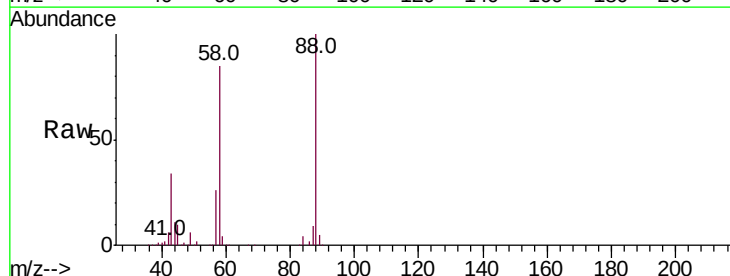
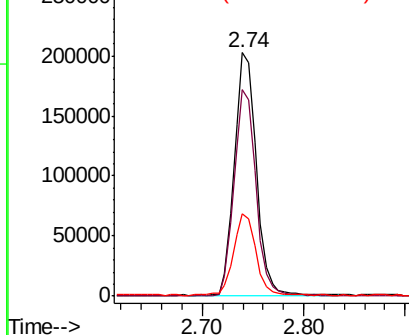
Tgt Ion	Ratio	Lower	Upper
88	100		
58	85.3	68.7	103.1
43	33.9	28.2	42.2

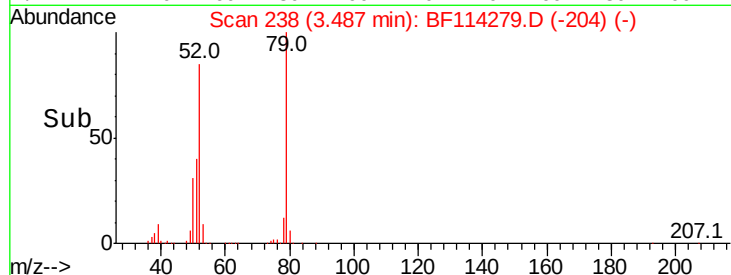
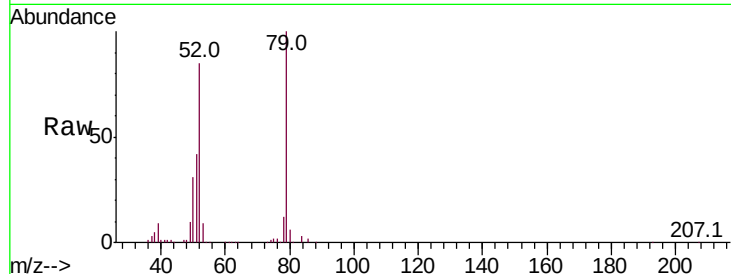
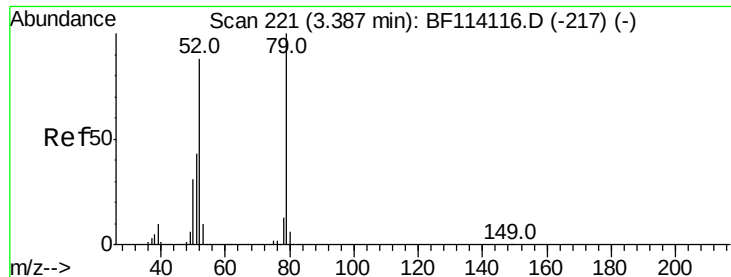
Abundance

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





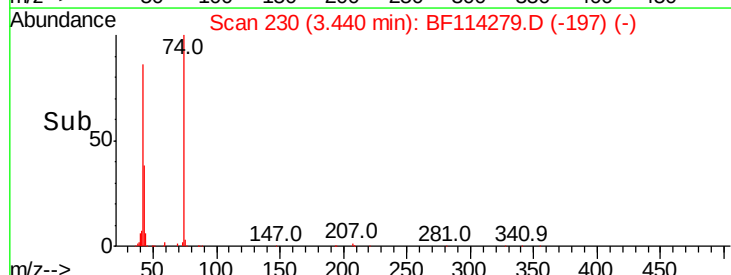
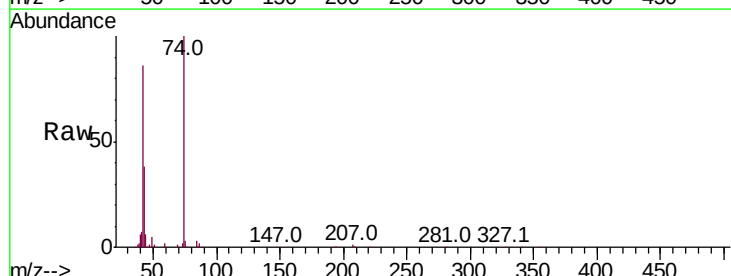
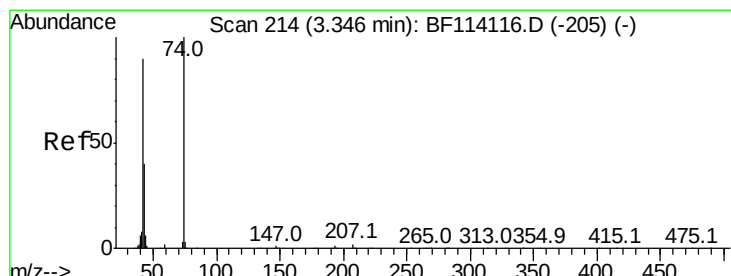
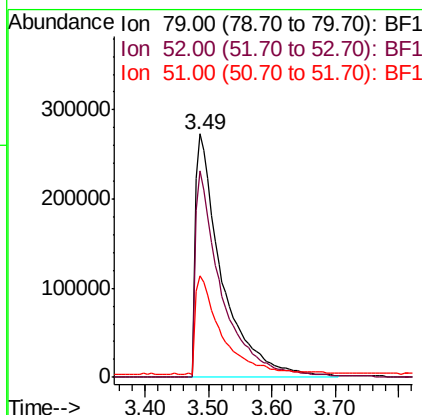
#3
 Pvridine
 Concen: 30.437 ng
 RT: 3.49 min Scan# 238
 Delta R.T. 0.10 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	84.7	70.6	105.8		
51	41.6	34.2	51.2		

Instrument :
 BNA_F
 ClientSampleId :
 PB119713BS

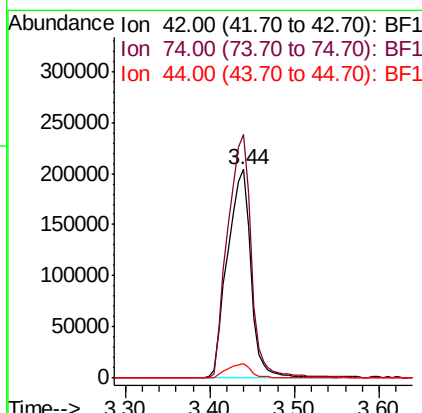
Manual Integrations
 APPROVED

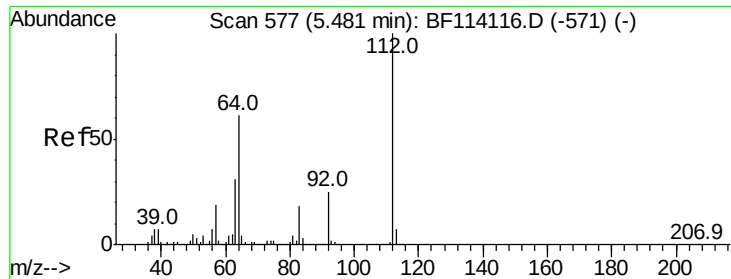
mohammad
 5/16/2019 9:50:55 AM



#4
 n-Nitrosodimethylamine
 Concen: 31.544 ng
 RT: 3.44 min Scan# 230
 Delta R.T. 0.09 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	116.5	88.6	132.8		
44	7.2	5.5	8.3		





#5

2-Fluorophenol

Concen: 101.995 ng

RT: 5.50 min Scan# 580

Delta R.T. 0.02 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion:112 Resp: 1738829

Ion Ratio Lower Upper

112 100

64 66.9 49.0 73.6

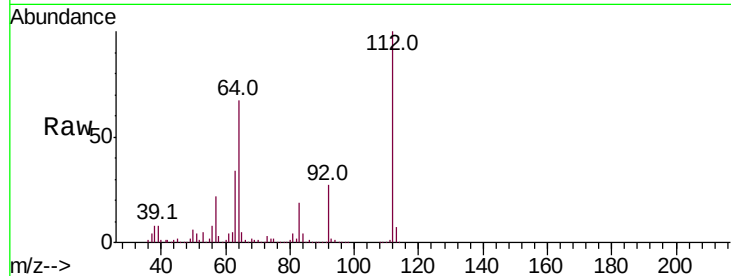
63 34.0 24.6 37.0

Manual Integrations

APPROVED

mohammad

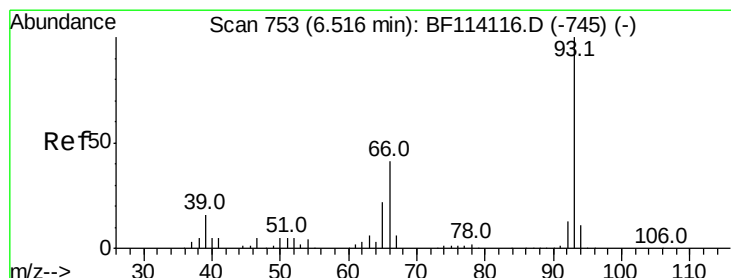
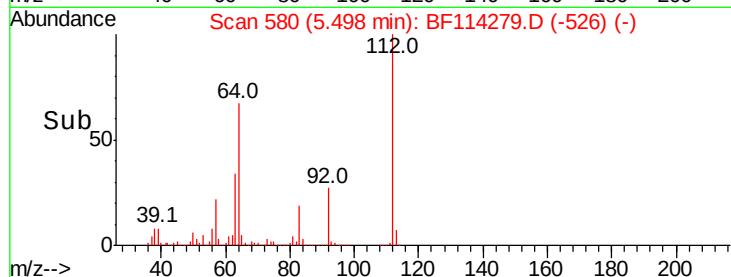
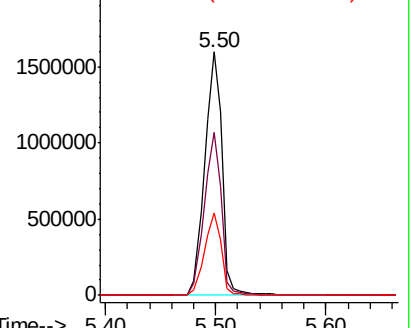
5/16/2019 9:50:55 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 22.530 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

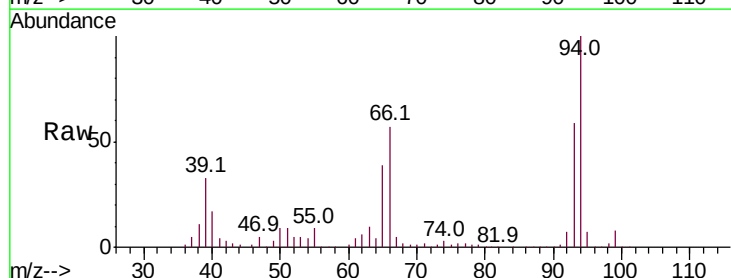
Tgt Ion: 93 Resp: 656215

Ion Ratio Lower Upper

93 100

66 96.8 33.2 49.8#

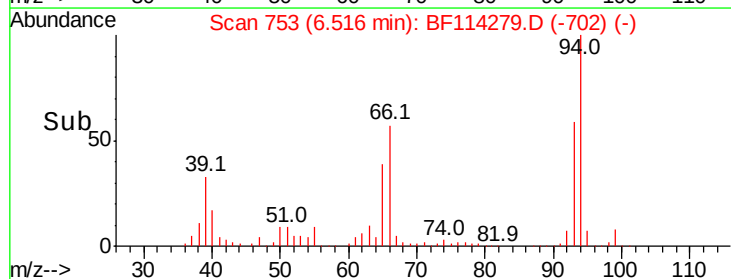
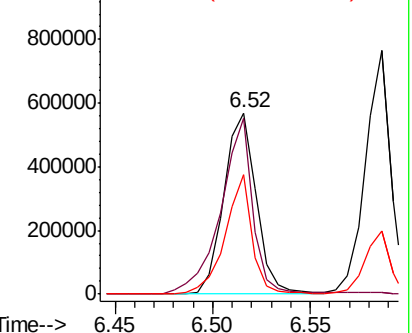
65 66.2 17.6 26.4#

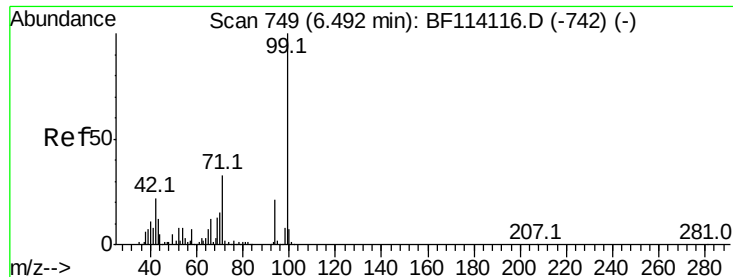


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 111.113 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion: 99 Resp: 2240419

Ion Ratio Lower Upper

99 100

42 22.8 17.9 26.9

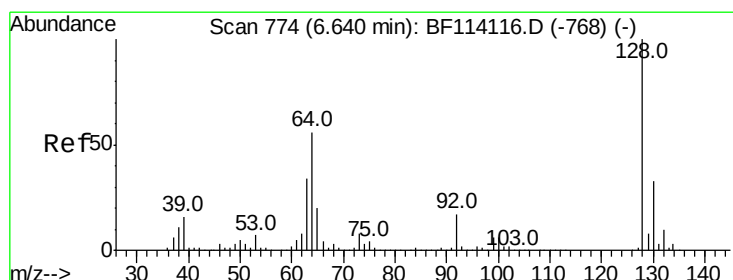
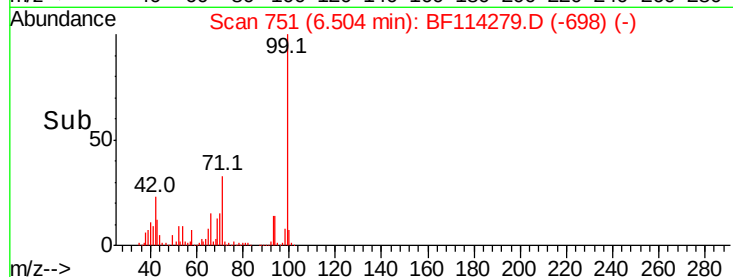
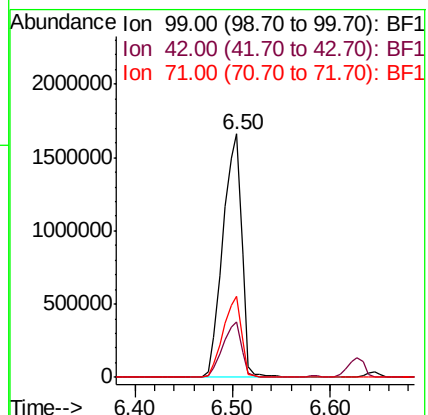
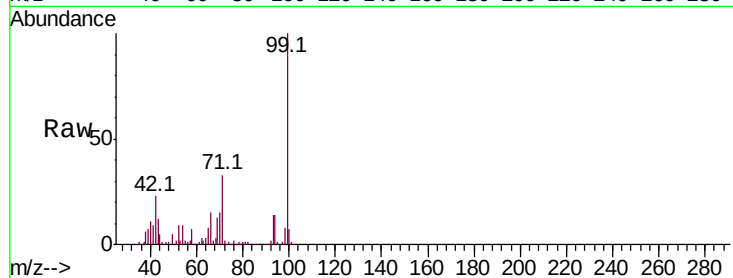
71 33.1 26.2 39.2

Manual Integrations

APPROVED

mohammad

5/16/2019 9:50:55 AM



#8

2-Chlorophenol

Concen: 36.120 ng

RT: 6.65 min Scan# 775

Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

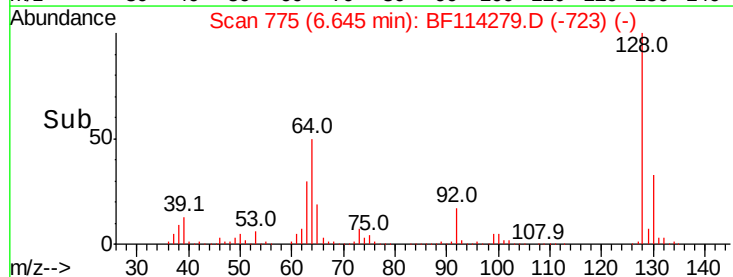
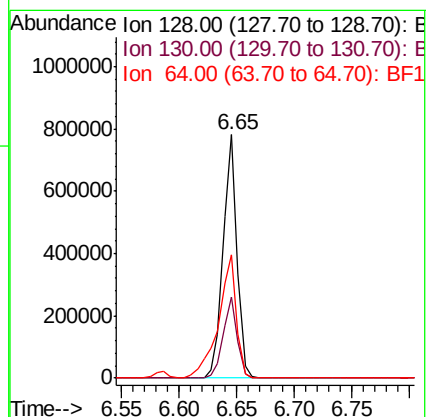
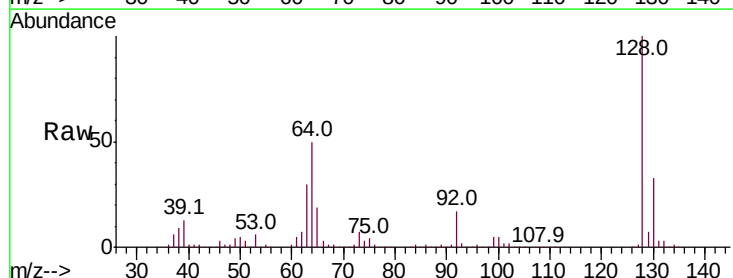
Tgt Ion: 128 Resp: 657387

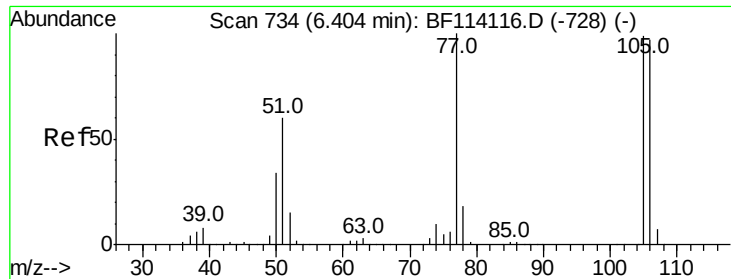
Ion Ratio Lower Upper

128 100

130 33.3 12.6 52.6

64 50.4 35.9 75.9





#9

Benzaldehyde

Concen: 20.386 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

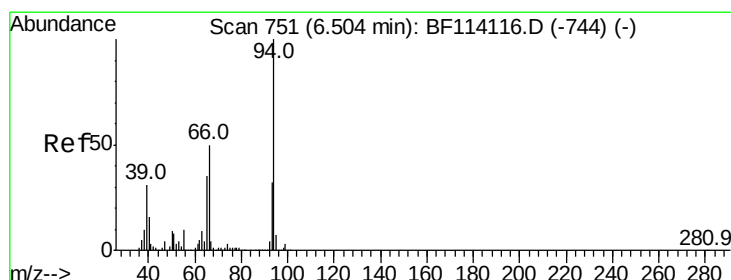
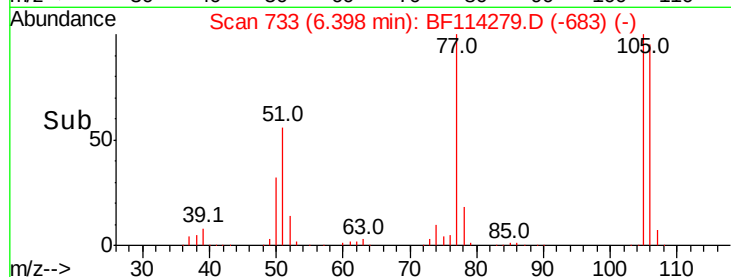
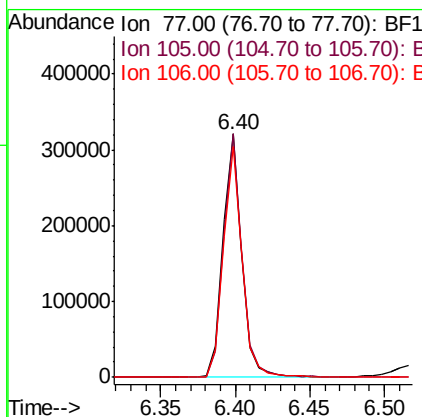
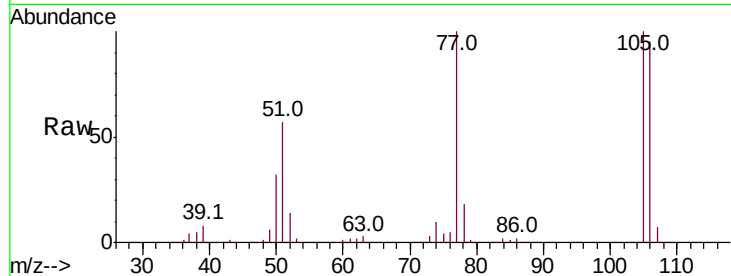
ClientSampleId :

PB119713BS

Tot Ion	77	Resp	287761
Ion	Ratio	Lower	Upper
77	100		
105	99.8	79.3	119.3
106	95.0	77.0	117.0

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



#10

Phenol

Concen: 33.473 ng

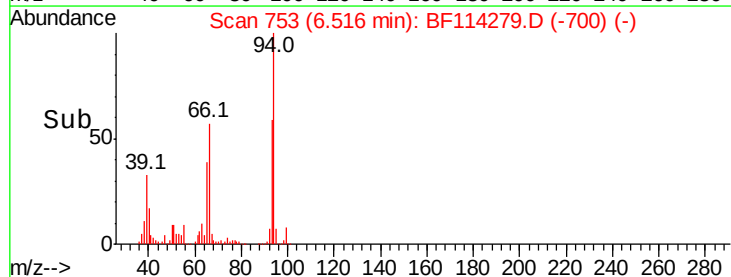
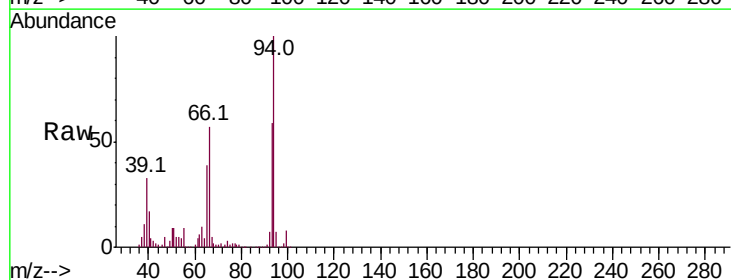
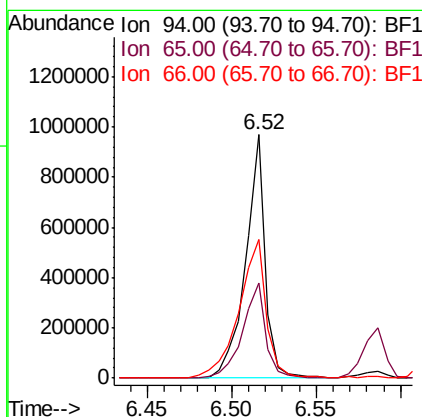
RT: 6.52 min Scan# 753

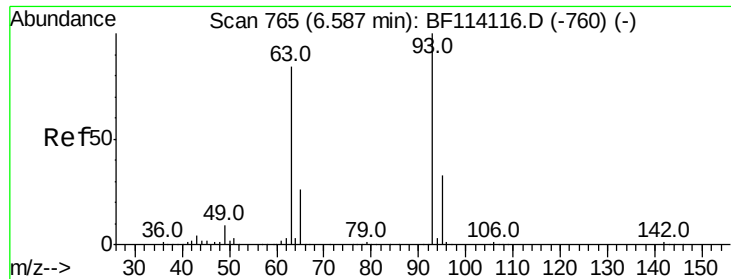
Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Tgt Ion	94	Resp	793963
Ion	Ratio	Lower	Upper
94	100		
65	38.8	14.7	54.7
66	56.8	29.6	69.6





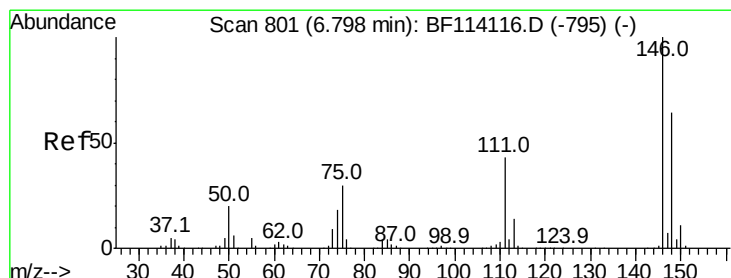
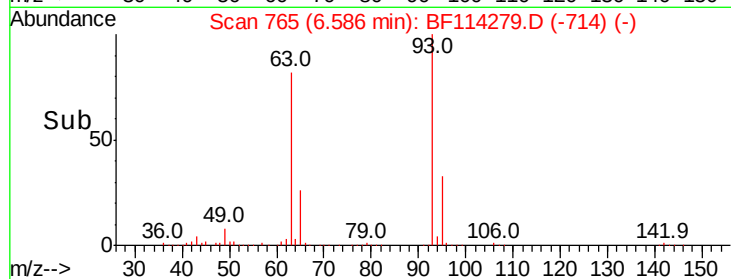
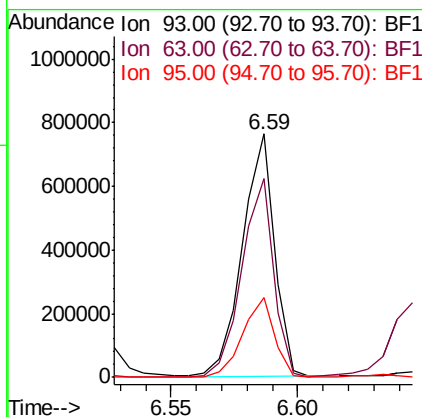
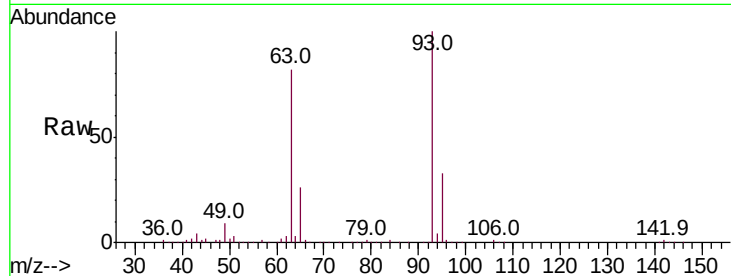
#11
bis(2-Chloroethyl)ether
Concen: 37.199 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
93	100		
63	81.8	63.6	103.6
95	32.7	13.1	53.1

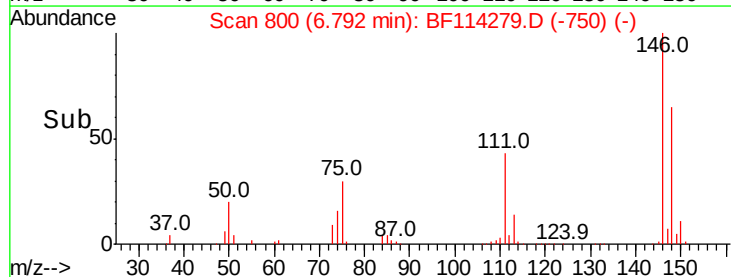
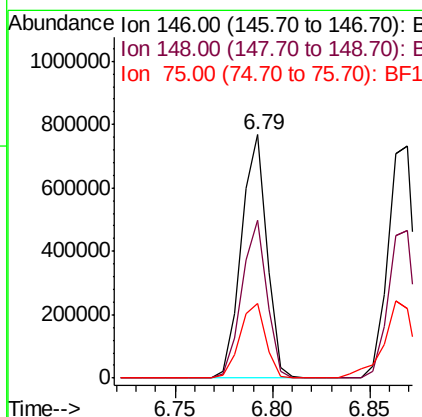
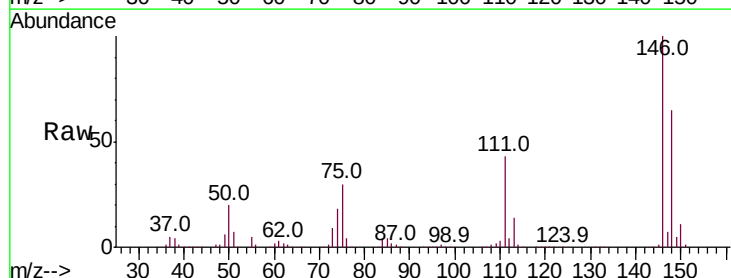
Manual Integrations
APPROVED

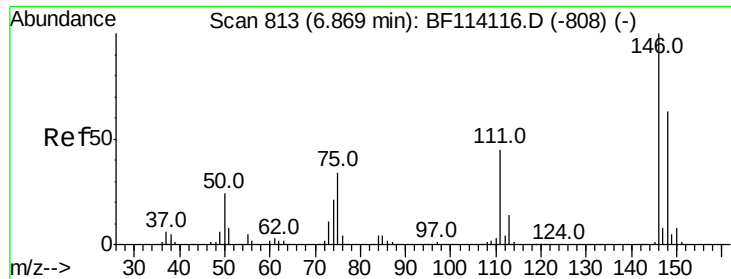
mohammad
5/16/2019 9:50:55 AM



#12
1,3-Dichlorobenzene
Concen: 33.888 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.6	77.4
75	30.4	24.2	36.2





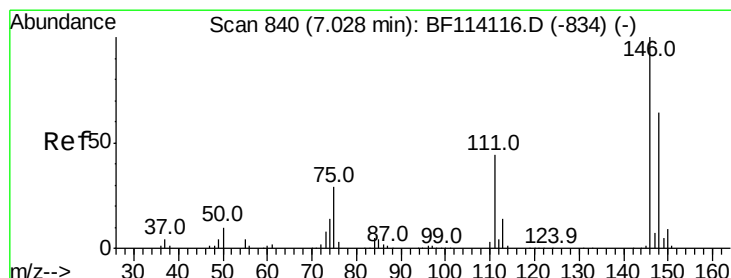
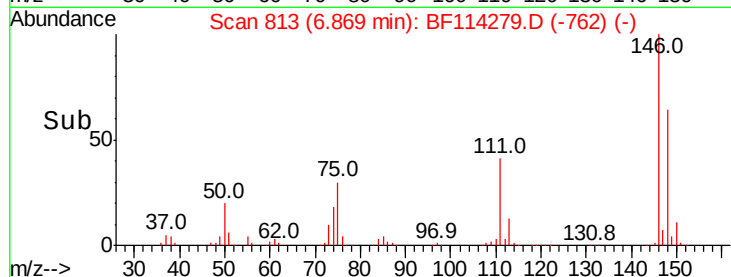
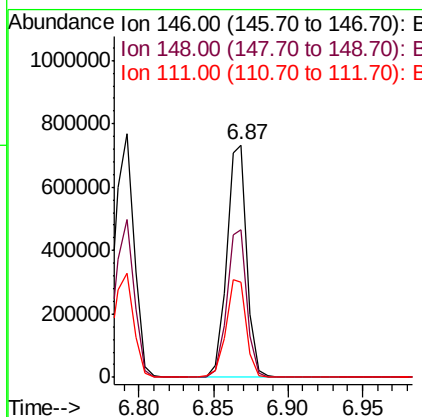
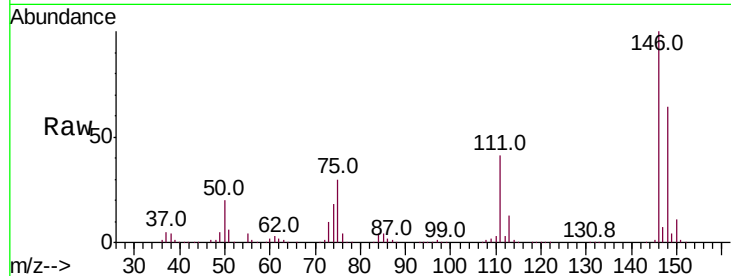
#13
 1,4-Dichlorobenzene
 Concen: 33.938 ng
 RT: 6.87 min Scan# 813
 Delta R.T. -0.00 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Instrument :
 BNA_F
 ClientSampled :
 PB119713BS

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.2	75.2
111	41.1	35.8	53.6

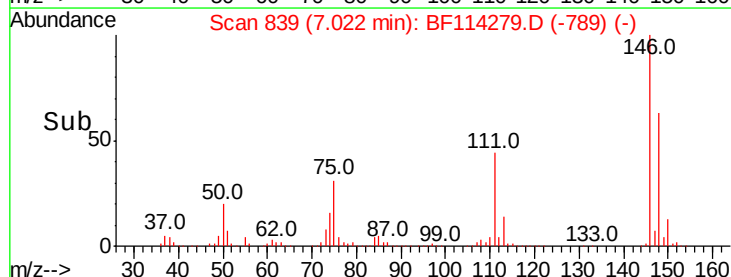
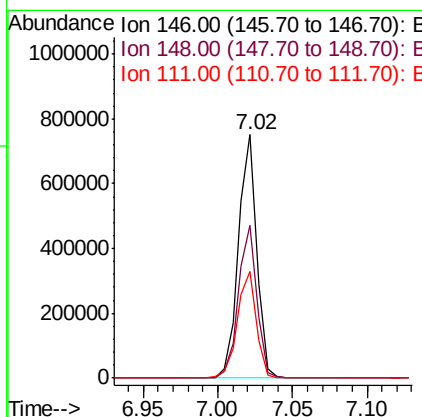
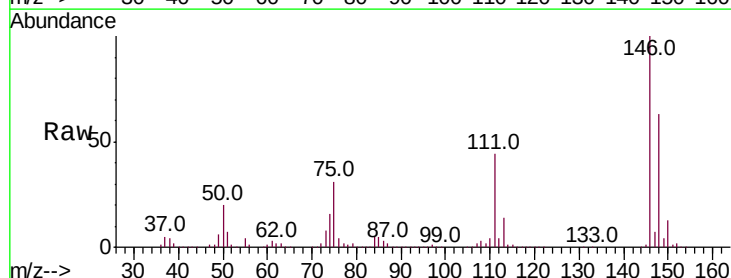
Manual Integrations
 APPROVED

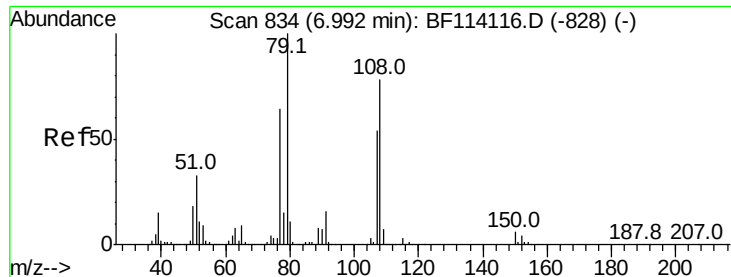
mohammad
 5/16/2019 9:50:55 AM



#14
 1,2-Dichlorobenzene
 Concen: 34.281 ng
 RT: 7.02 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.1	76.7
111	43.8	35.3	52.9





#15

Benzyl Alcohol

Concen: 35.324 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

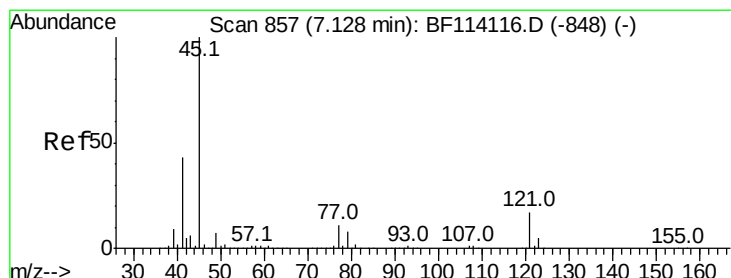
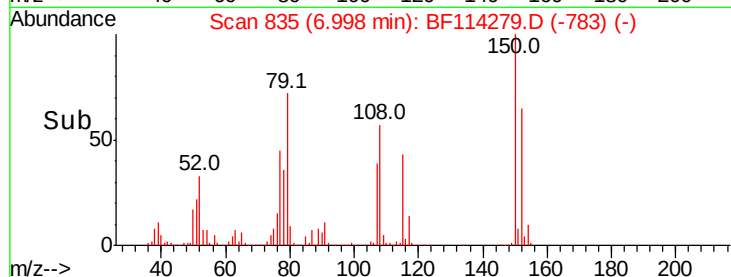
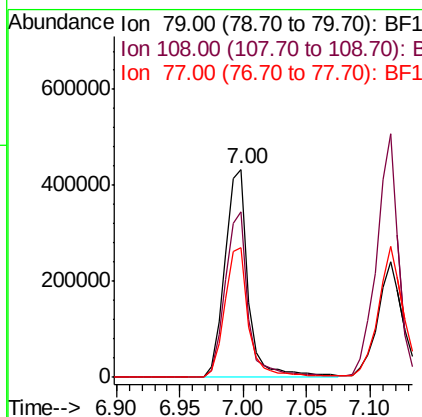
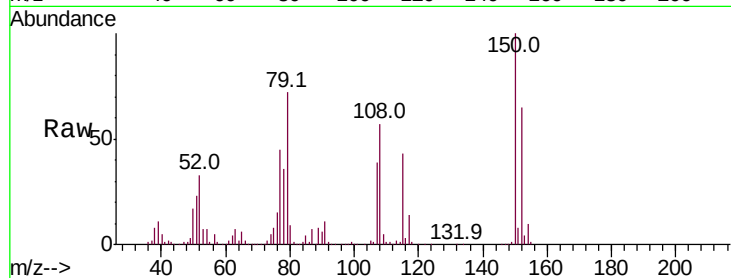
ClientSampleId :

PB119713BS

Tot Ion:	79	Resp:	55511
Ion Ratio	Lower	Upper	
79	100		
108	79.9	62.1	93.1
77	62.3	51.0	76.6

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



#16

2,2'-oxybis(1-Chloropropane)

Concen: 34.239 ng

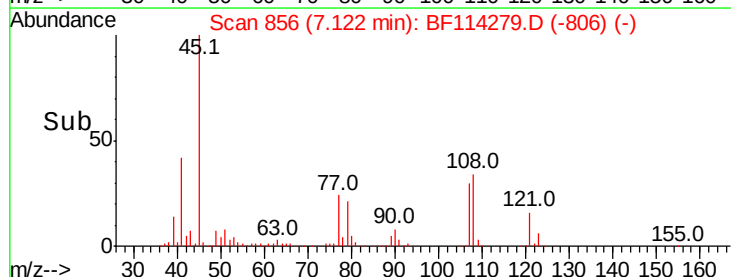
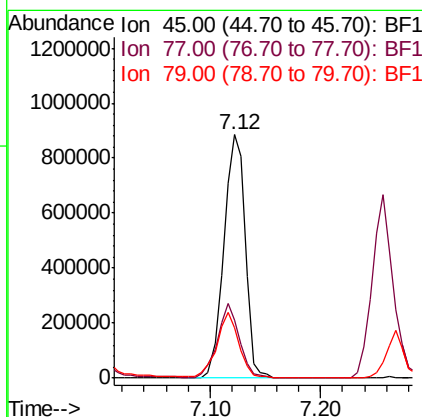
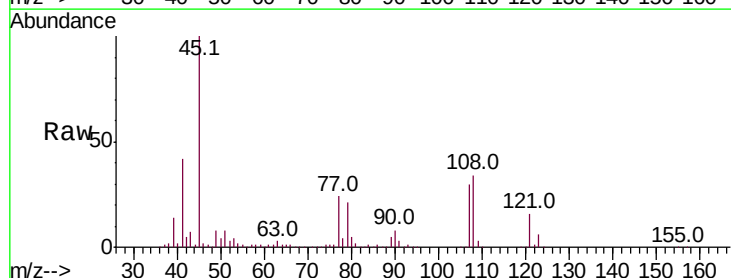
RT: 7.12 min Scan# 856

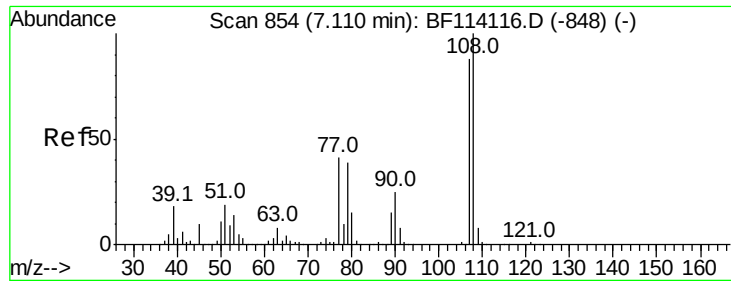
Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Tgt Ion:	45	Resp:	1195471
Ion Ratio	Lower	Upper	
45	100		
77	23.6	0.0	31.1
79	20.5	0.0	28.4





#17

2-Methylphenol

Concen: 36.312 ng

RT: 7.12 min Scan# 855

Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

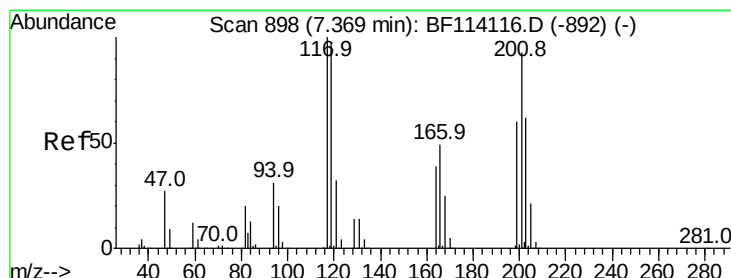
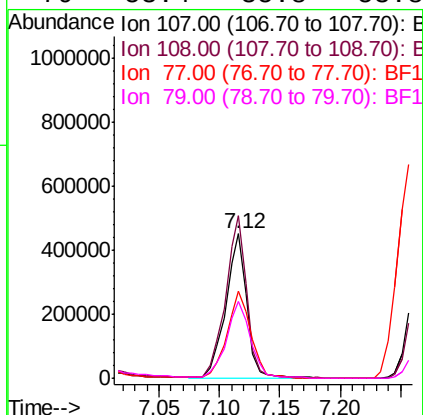
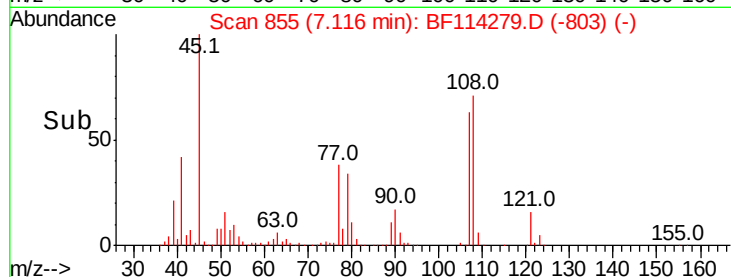
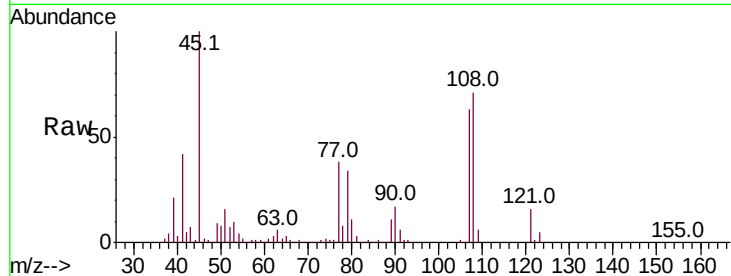
ClientSampled :

PB119713BS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	112.6	90.5	135.7	
77	60.5	37.0	55.4	
79	53.4	35.8	53.8	

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



#18

Hexachloroethane

Concen: 34.270 ng

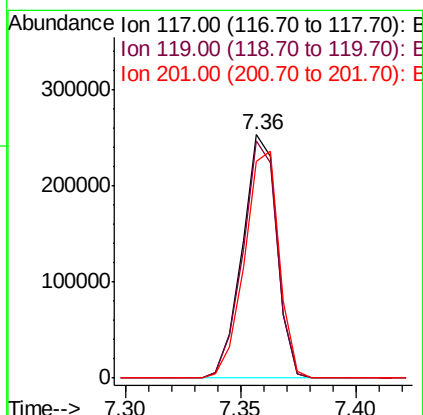
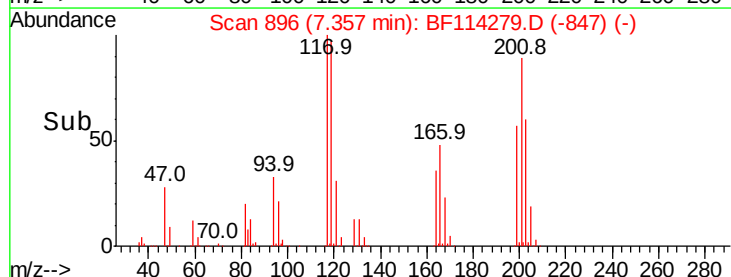
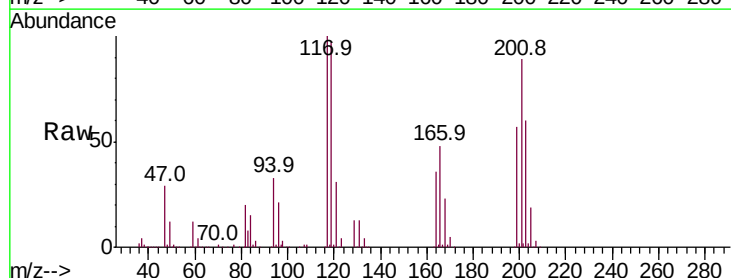
RT: 7.36 min Scan# 896

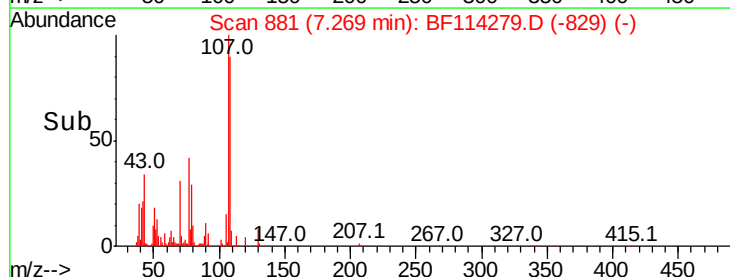
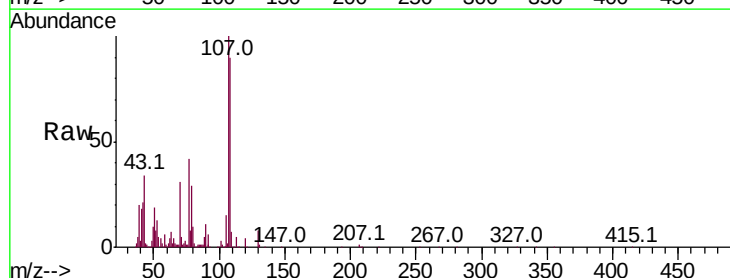
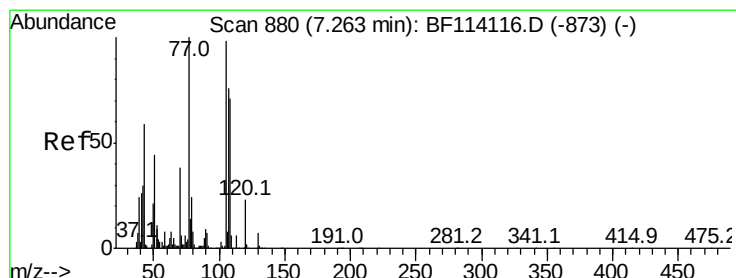
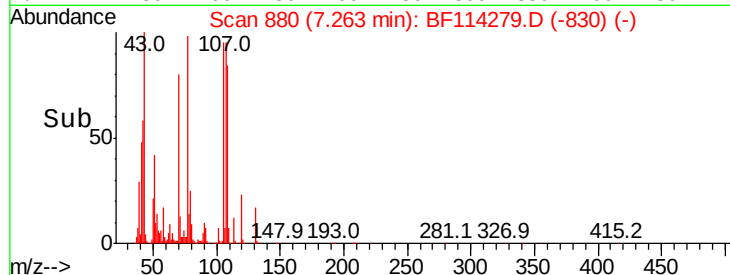
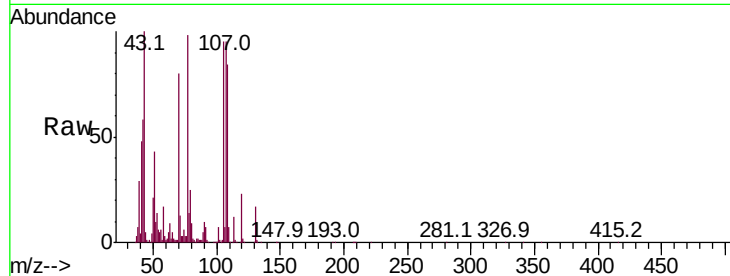
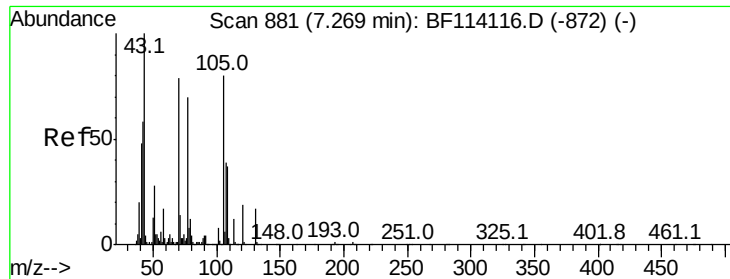
Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

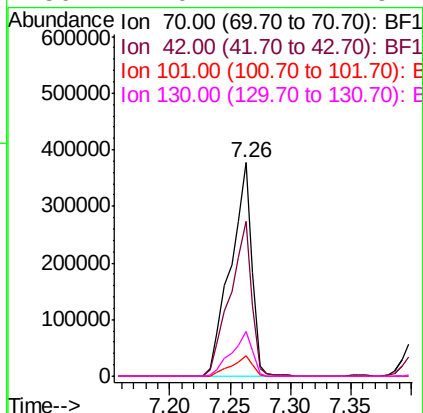
Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.2	77.4	116.2	
201	89.0	74.5	111.7	





#19
n-Nitroso-di-n-propylamine
Concen: 36.277 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tot Ion	Ratio	Lower	Upper
70	100		
42	72.3	58.6	87.8
101	9.4	7.8	11.8
130	21.0	17.1	25.7



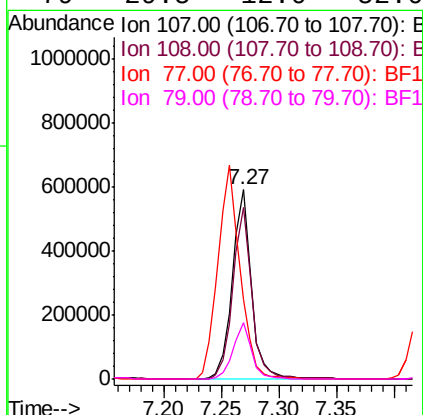
Instrument :
BNA_F
ClientSampleId :
PB119713BS

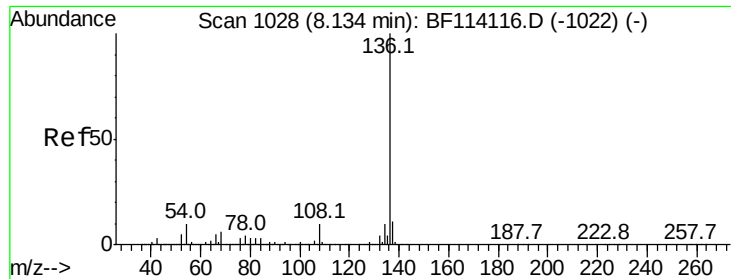
Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM

#20
3+4-Methylphenols
Concen: 38.935 ng
RT: 7.27 min Scan# 881
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.5	73.8	113.8
77	42.0	111.5	151.5#
79	29.5	12.0	52.0





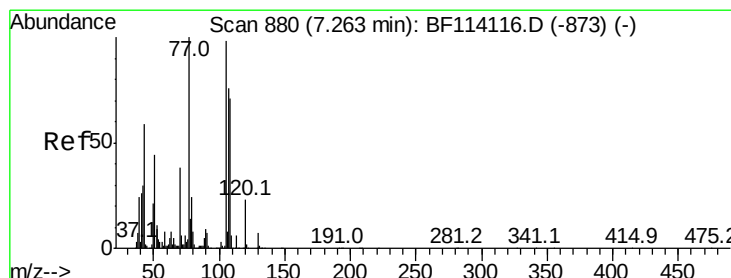
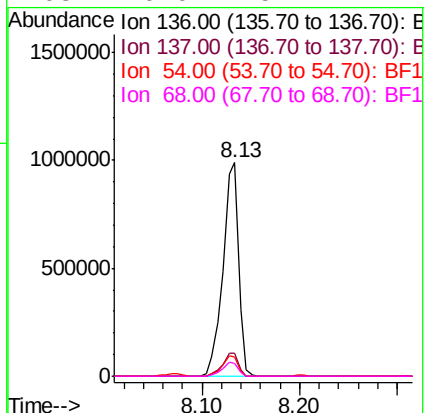
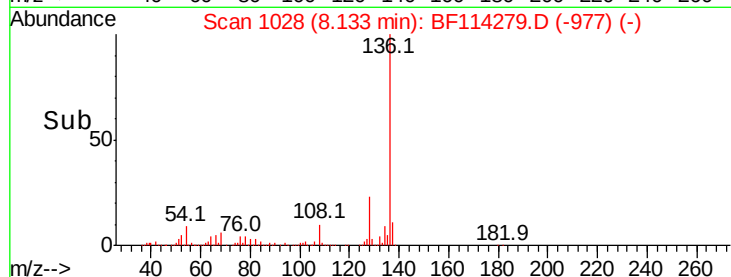
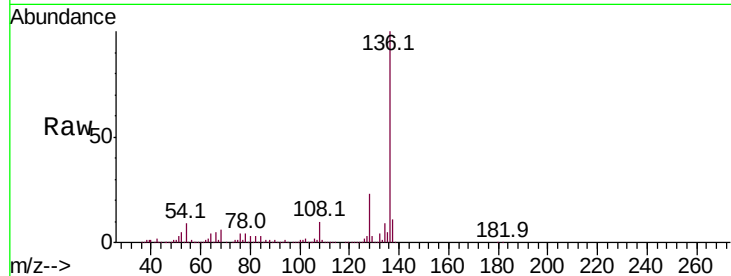
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	1103344		
137	10.8		8.8	13.2
54	9.0		7.8	11.8
68	6.0		5.1	7.7

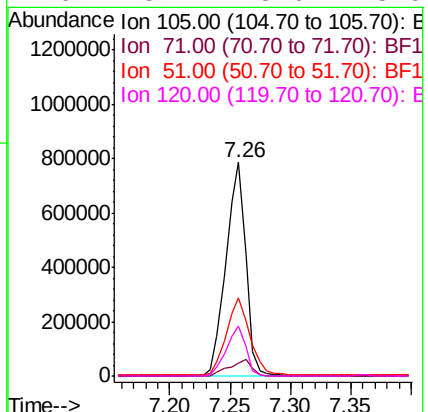
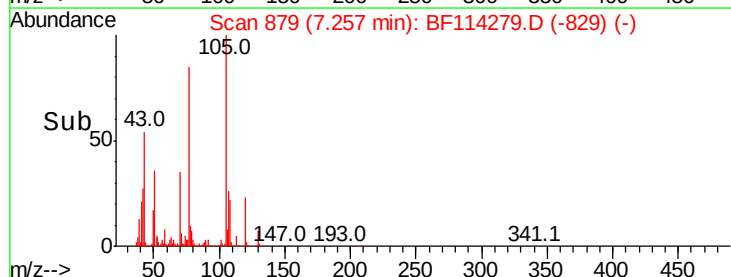
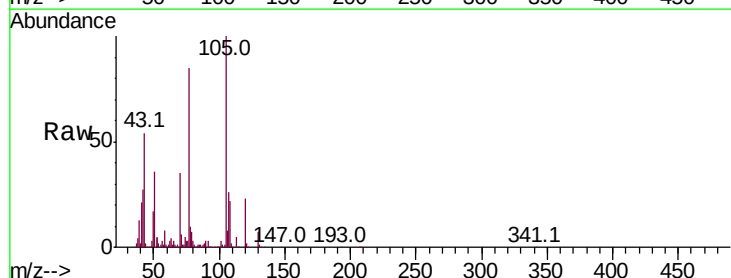
Manual Integrations
APPROVED

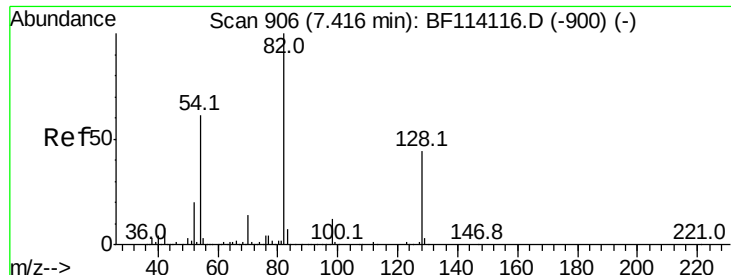
mohammad
5/16/2019 9:50:55 AM



#22
Acetophenone
Concen: 36.673 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	896379		
71	5.9		5.3	7.9
51	36.4		36.2	54.4
120	23.2		18.6	28.0





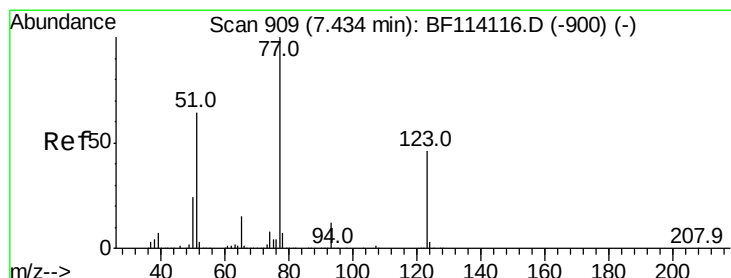
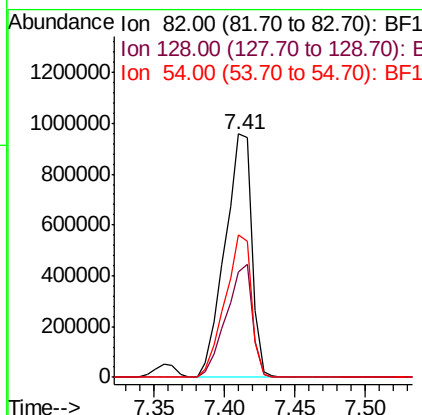
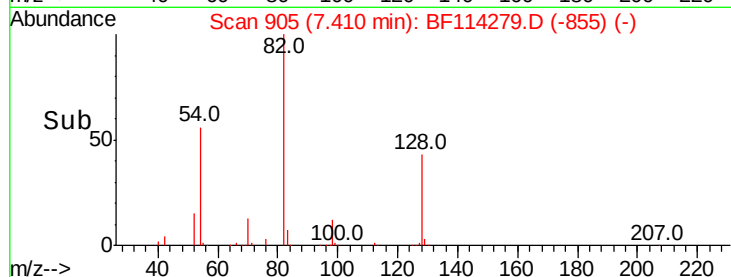
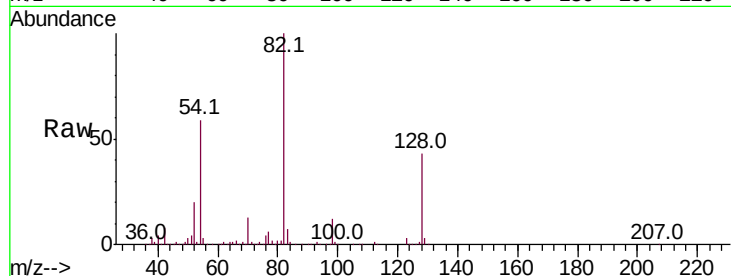
#23
 Nitrobenzene-d5
 Concen: 64.536 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB119713BS

Tot Ion: 82 Resp: 1268804
 Ion Ratio Lower Upper
 82 100
 128 43.3 35.5 53.3
 54 58.6 48.5 72.7

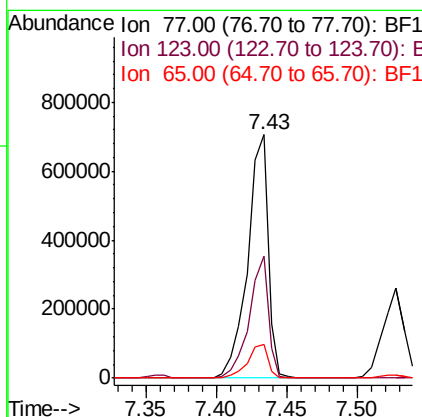
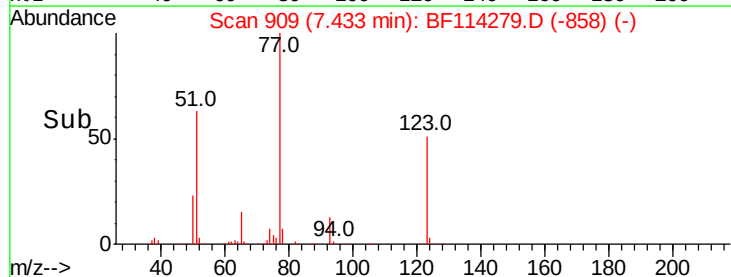
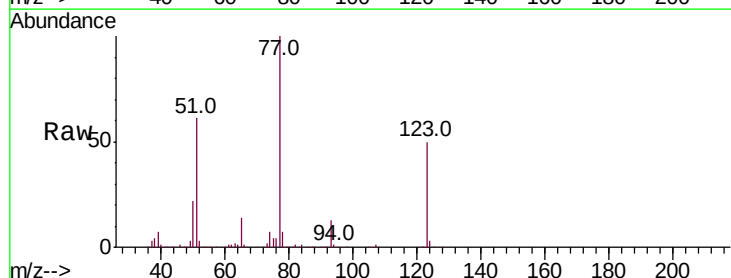
Manual Integrations
 APPROVED

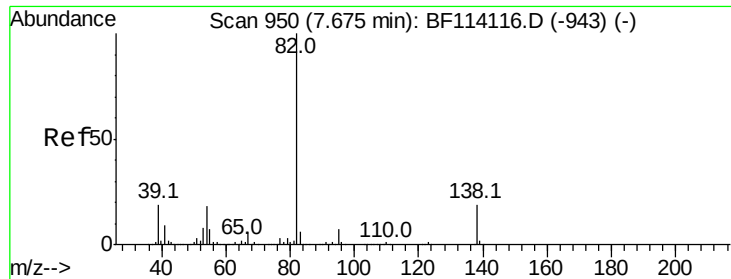
mohammad
 5/16/2019 9:50:55 AM



#24
 Nitrobenzene
 Concen: 36.010 ng
 RT: 7.43 min Scan# 909
 Delta R.T. -0.00 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Tgt Ion: 77 Resp: 721072
 Ion Ratio Lower Upper
 77 100
 123 50.1 36.9 55.3
 65 13.9 11.8 17.6





#25

Isophorone

Concen: 35.904 ng

RT: 7.67 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion: 82 Resp: 1309152

Ion Ratio Lower Upper

82 100

95 6.7 5.6 8.4

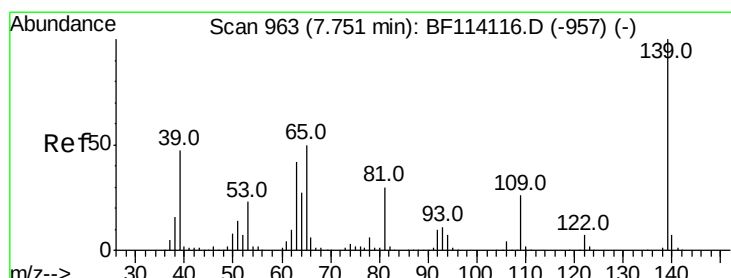
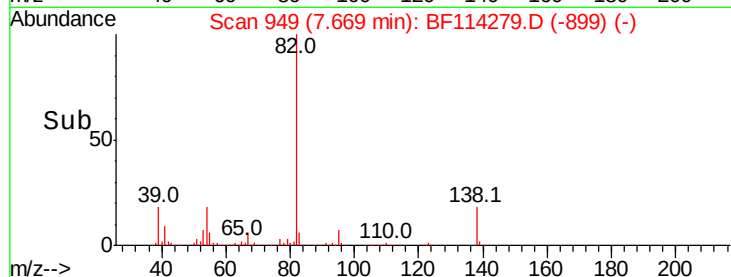
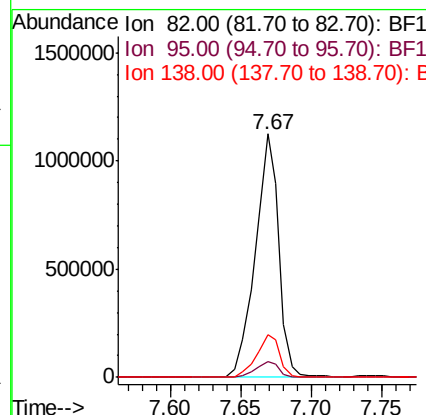
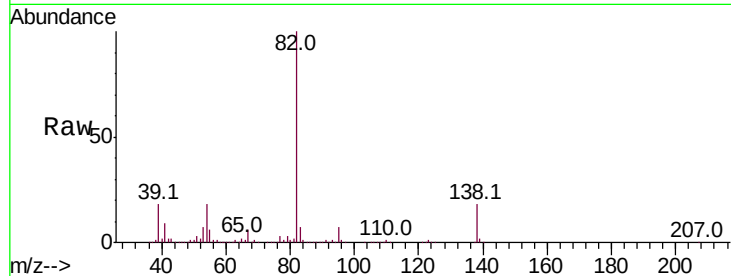
138 17.6 14.8 22.2

Manual Integrations

APPROVED

mohammad

5/16/2019 9:50:55 AM



#26

2-Nitrophenol

Concen: 37.962 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

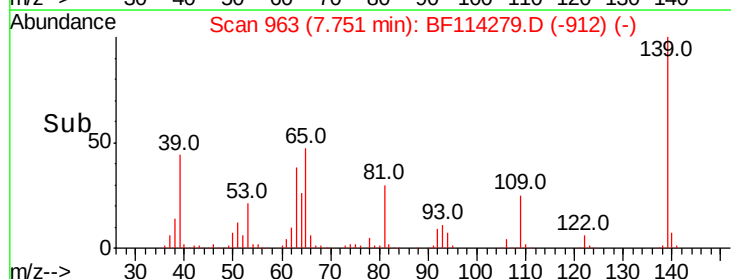
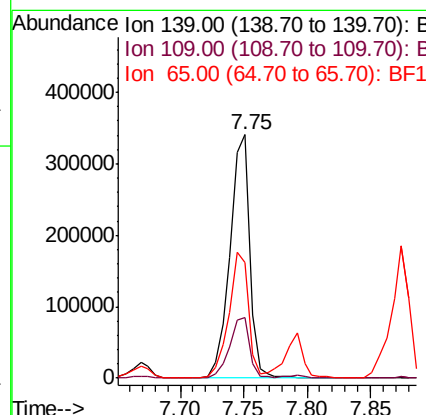
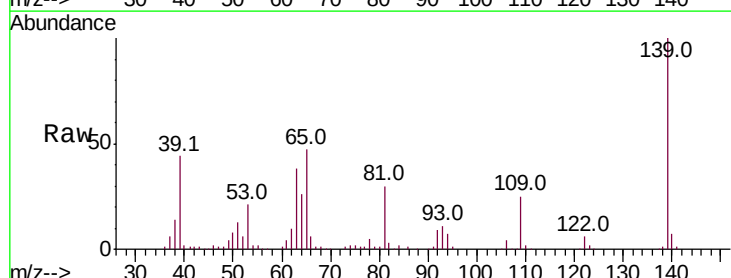
Tgt Ion: 139 Resp: 368803

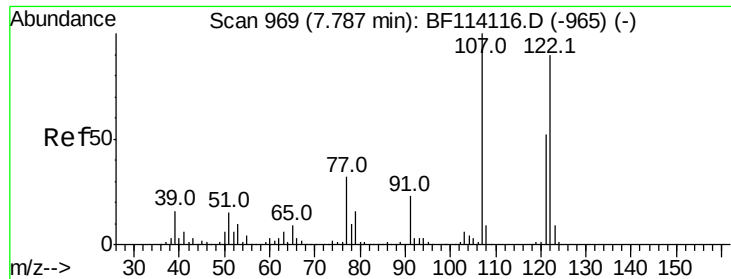
Ion Ratio Lower Upper

139 100

109 24.9 20.7 31.1

65 47.3 40.2 60.2





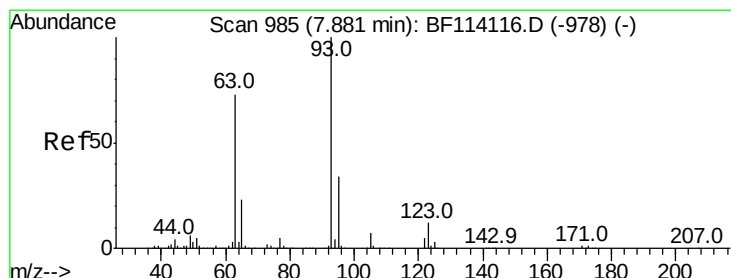
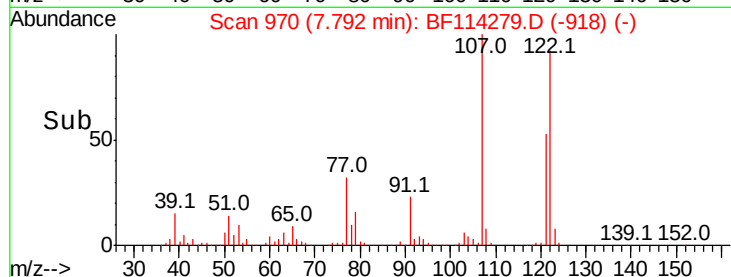
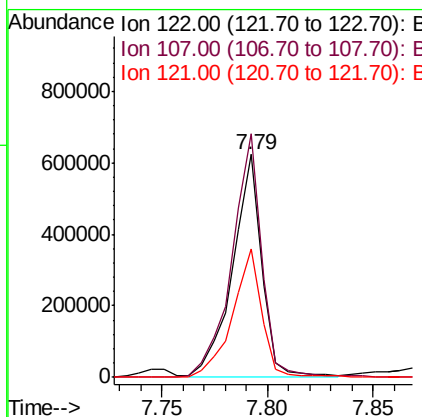
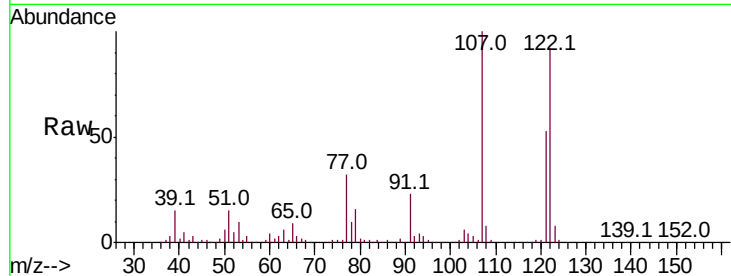
#27
2,4-Dimethylphenol
Concen: 38.935 ng
RT: 7.79 min Scan# 970
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Resp	Lower	Upper
122	100	594082		
107	109.2	88.4	132.6	
121	57.5	45.9	68.9	

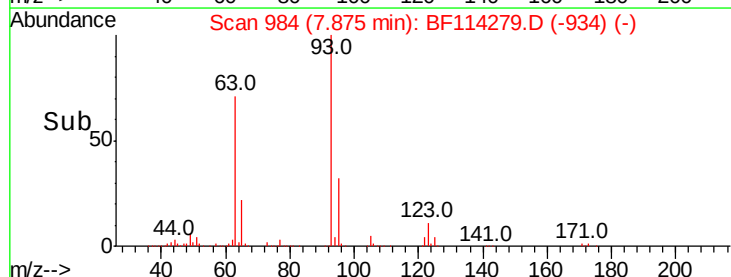
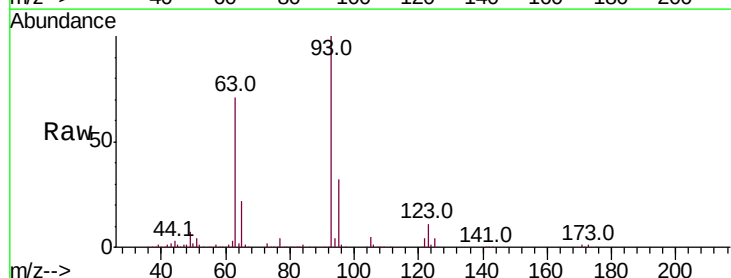
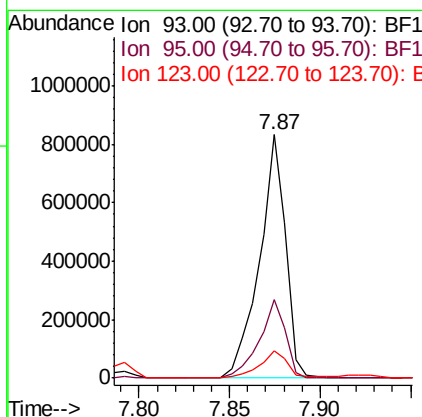
Manual Integrations
APPROVED

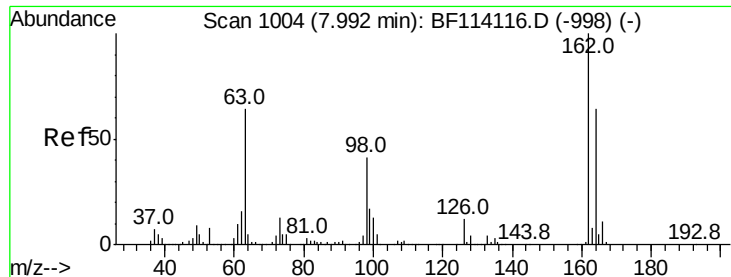
mohammad
5/16/2019 9:50:55 AM



#28
bis(2-Chloroethoxy)methane
Concen: 35.236 ng
RT: 7.87 min Scan# 984
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	833610		
95	32.3	26.8	40.2	
123	11.2	9.5	14.3	





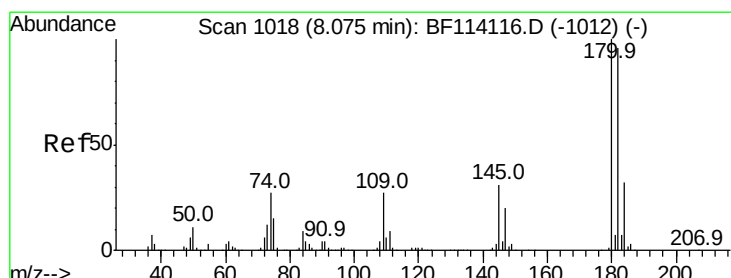
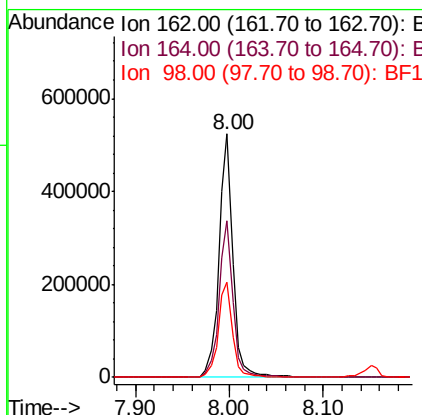
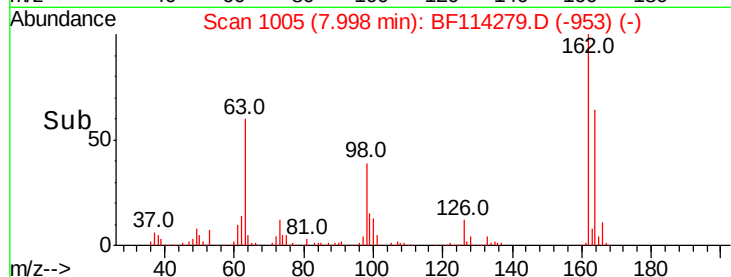
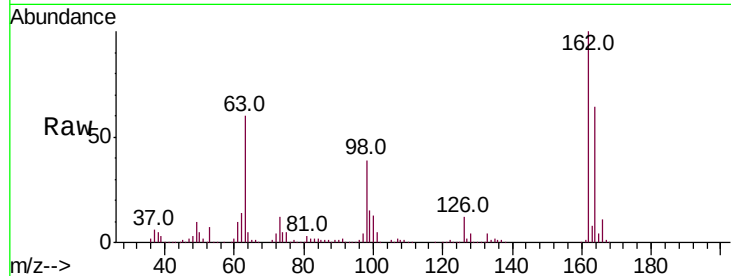
#29
2,4-Dichlorophenol
Concen: 35.667 ng
RT: 8.00 min Scan# 1005
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	541905		
164	64.3	43.6	83.6	
98	38.8	20.6	60.6	

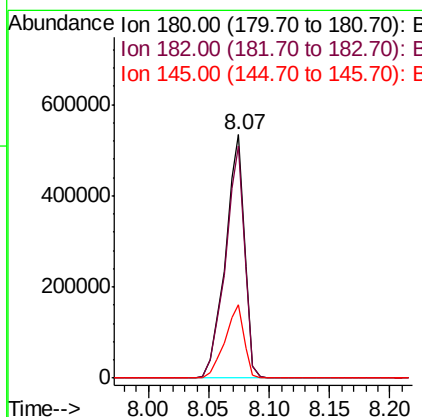
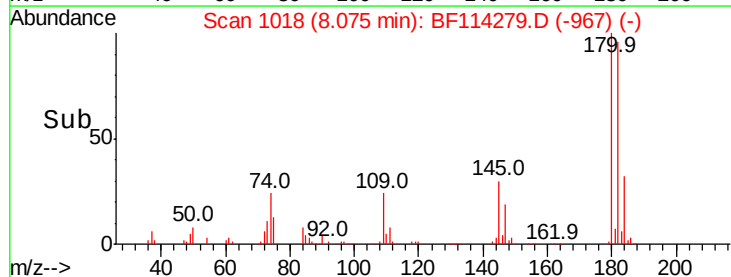
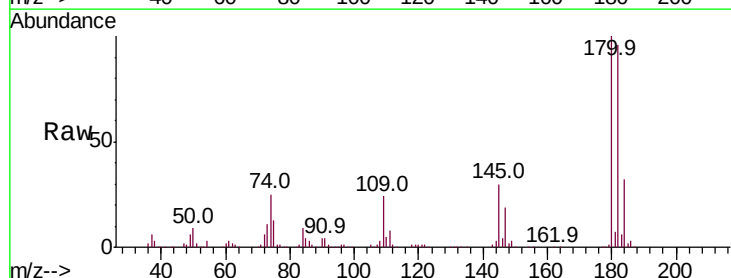
Manual Integrations
APPROVED

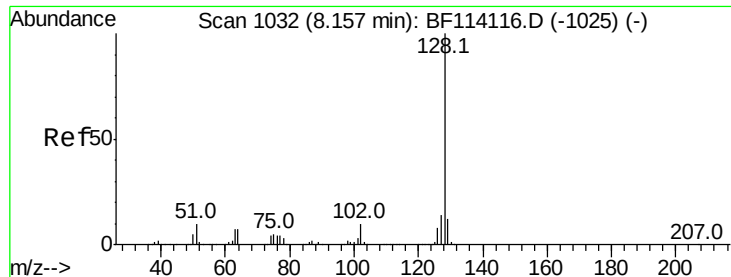
mohammad
5/16/2019 9:50:55 AM



#30
1,2,4-Trichlorobenzene
Concen: 33.983 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	587131		
182	95.6	76.6	114.8	
145	30.1	25.1	37.7	





#31

Naphthalene

Concen: 36.368 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion:128 Resp: 1874353

Ion Ratio Lower Upper

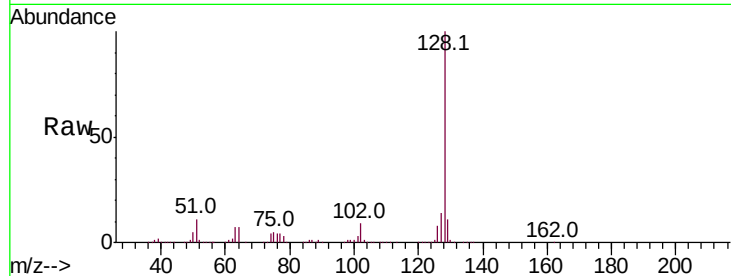
128 100

129 11.5 9.6 14.4

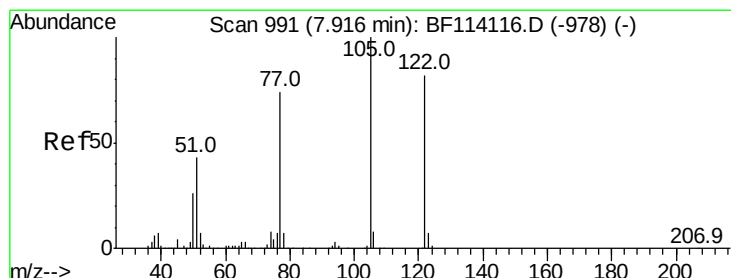
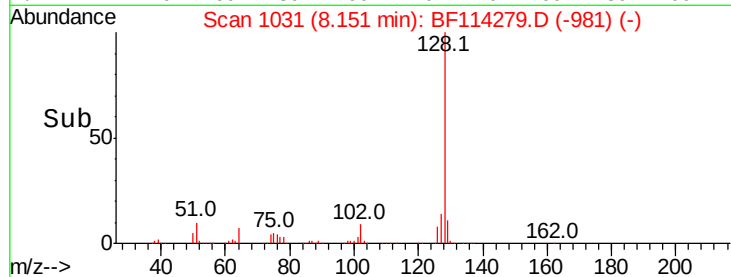
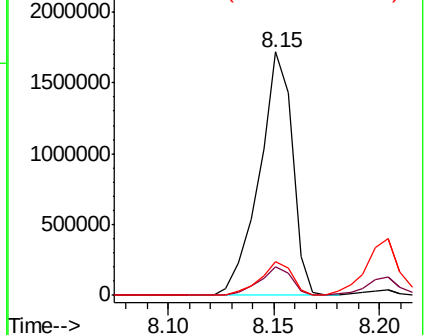
127 13.8 11.3 16.9

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



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



#32

Benzoic acid

Concen: 35.193 ng

RT: 7.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

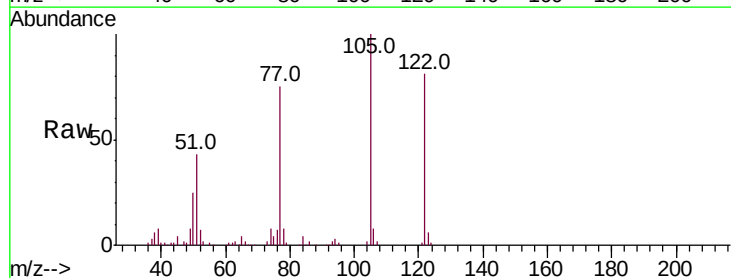
Tgt Ion:122 Resp: 359021

Ion Ratio Lower Upper

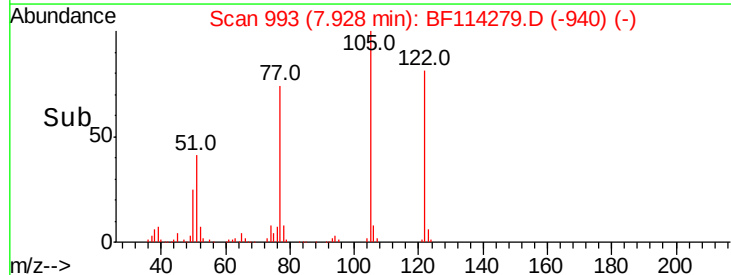
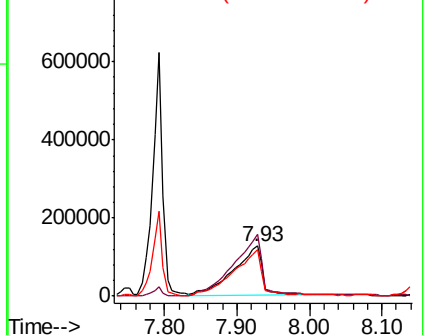
122 100

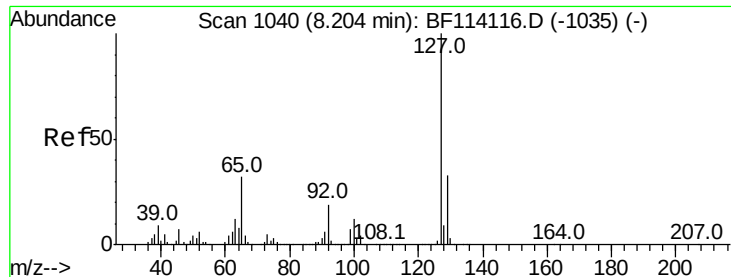
105 122.9 99.9 139.9

77 92.6 69.4 109.4



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





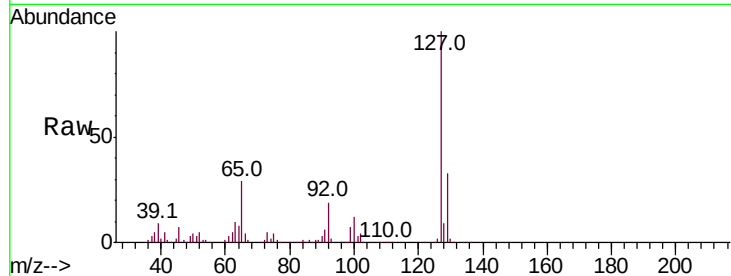
#33
4-Chloroaniline
Concen: 20.128 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.8	26.7	40.1	
65	29.4	25.4	38.0	
92	18.6	15.4	23.2	

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



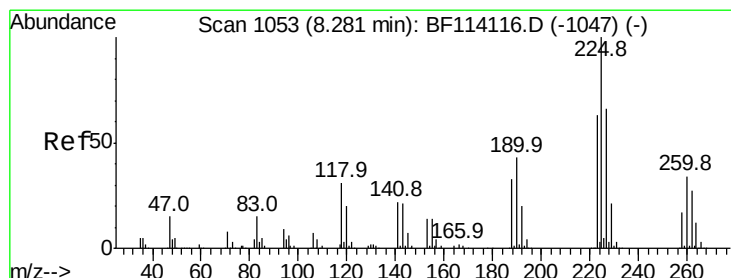
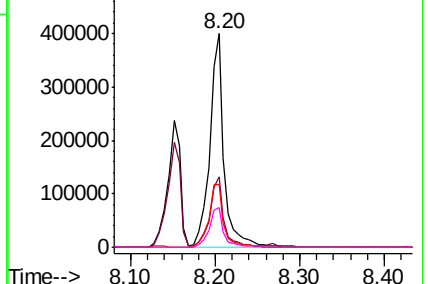
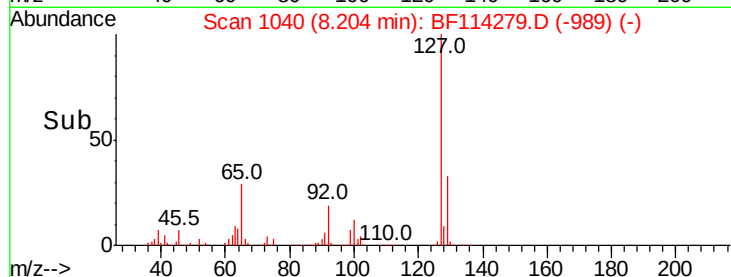
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

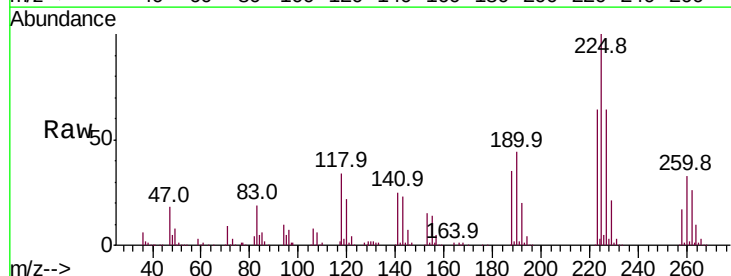
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 32.837 ng
RT: 8.27 min Scan# 1051
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.0	50.2	75.2	
227	63.7	52.6	79.0	

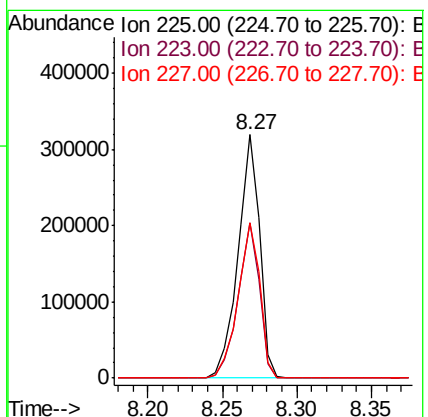
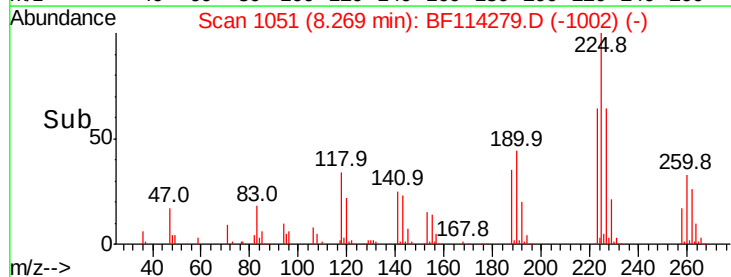


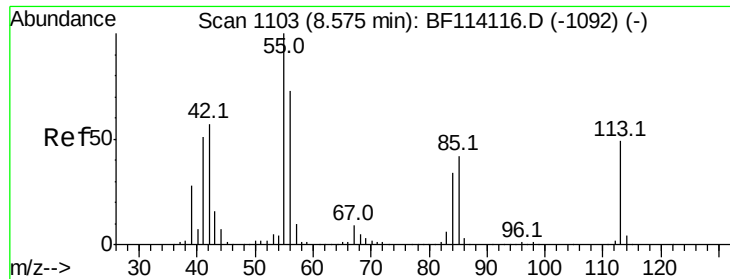
Abundance

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





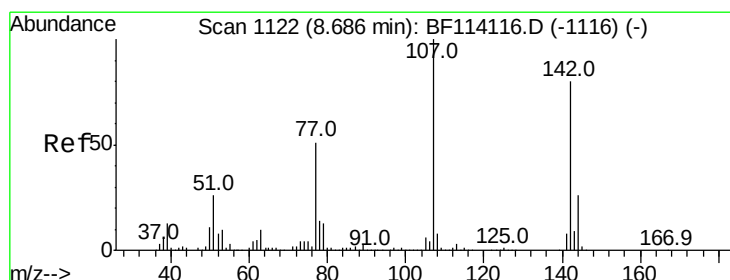
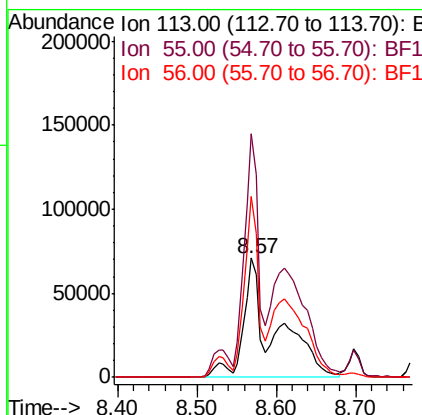
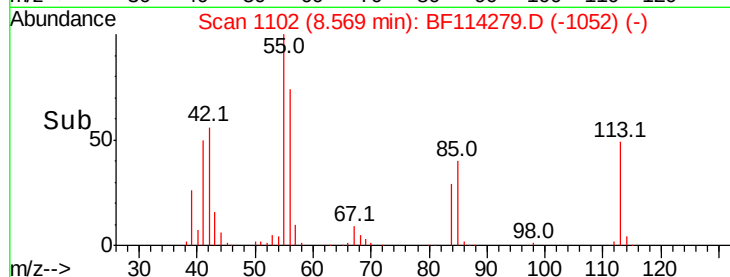
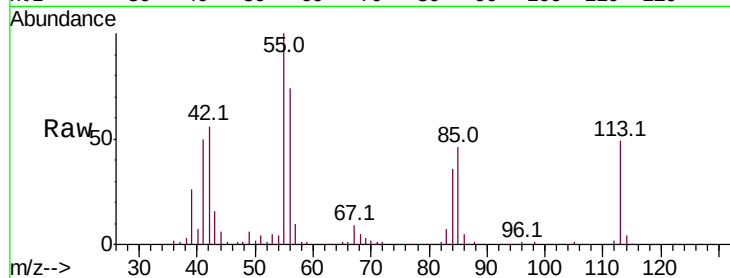
#35
Caprolactam
Concen: 39.452 ng/ml
RT: 8.57 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleID :
PB119713BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	204.3	183.5	223.5
56	151.3	128.8	168.8

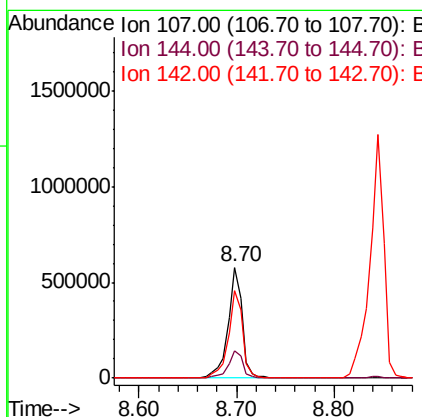
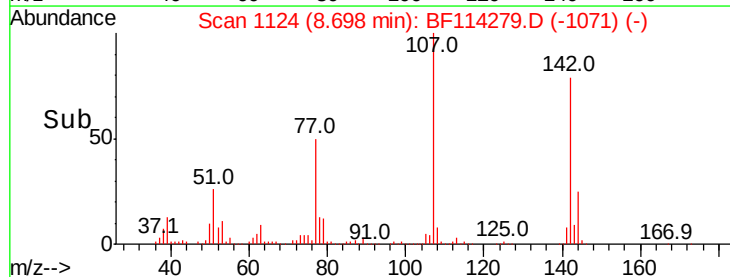
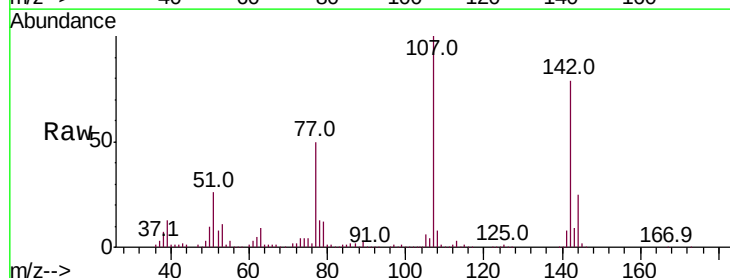
Manual Integrations
APPROVED

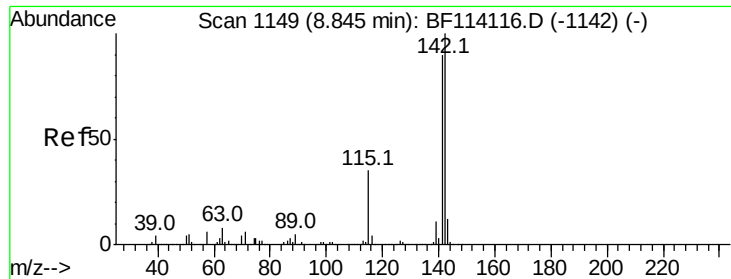
mohammad
5/16/2019 9:50:55 AM



#36
4-Chloro-3-methylphenol
Concen: 38.040 ng/ml
RT: 8.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.4	30.6
142	79.1	64.2	96.4





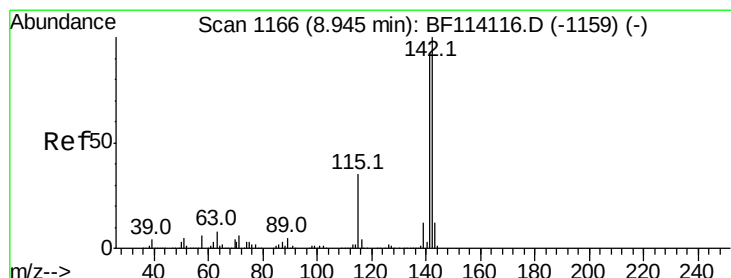
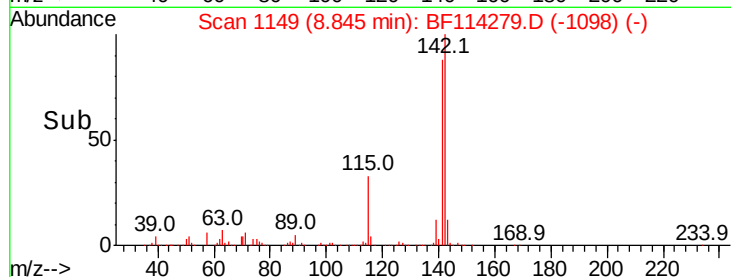
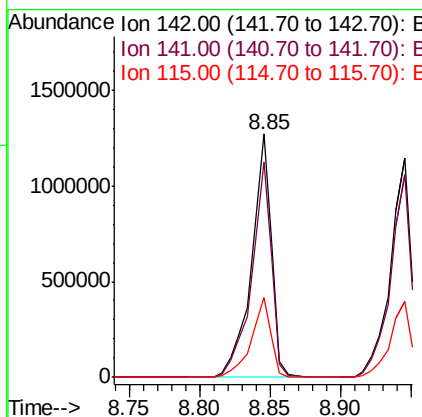
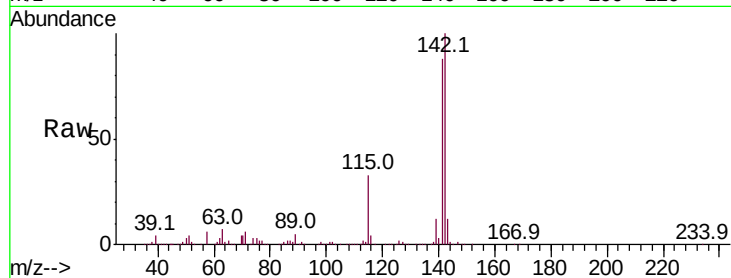
#37
2-Methylnaphthalene
Concen: 37.898 ng
RT: 8.85 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	72.1	108.1
115	32.7	28.0	42.0

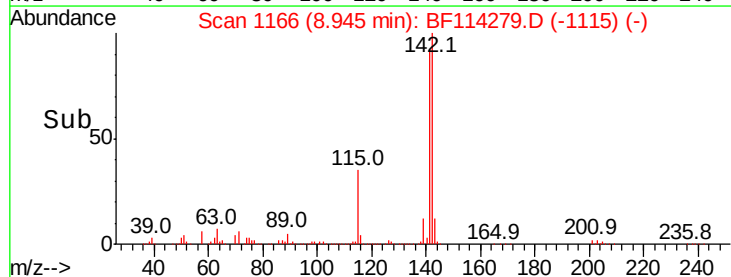
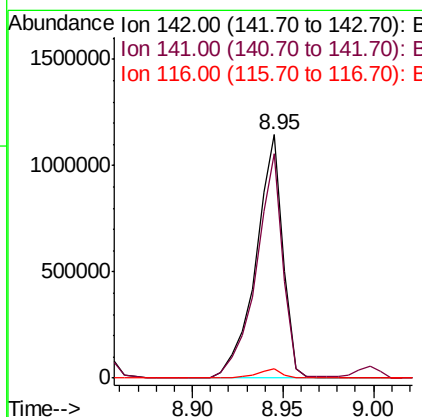
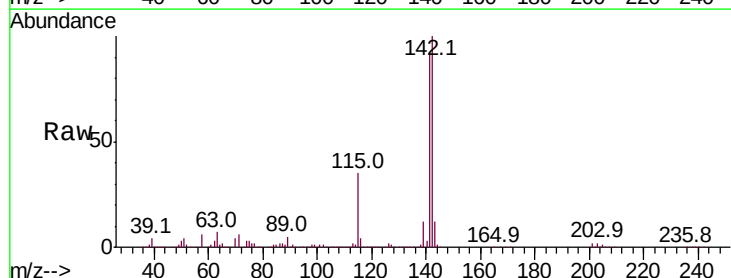
Manual Integrations
APPROVED

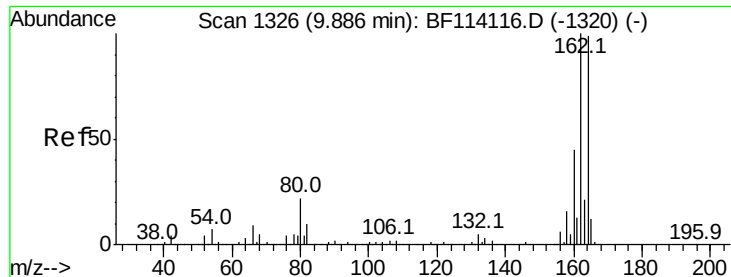
mohammad
5/16/2019 9:50:55 AM



#38
1-Methylnaphthalene
Concen: 37.650 ng
RT: 8.95 min Scan# 1166
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.4	110.0
116	3.7	3.1	4.7





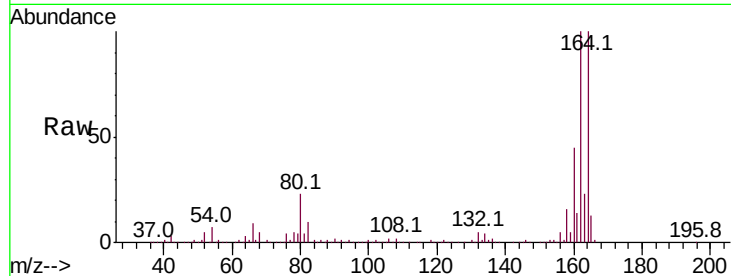
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

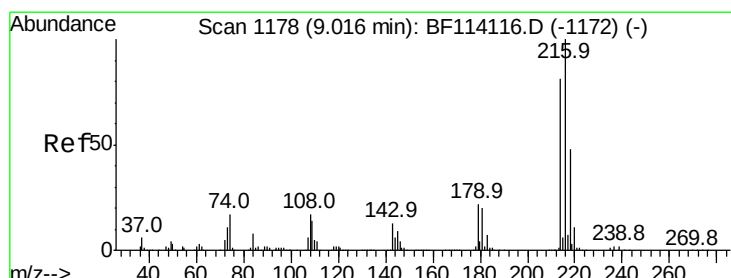
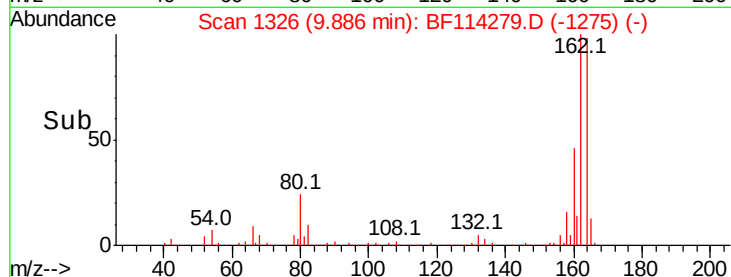
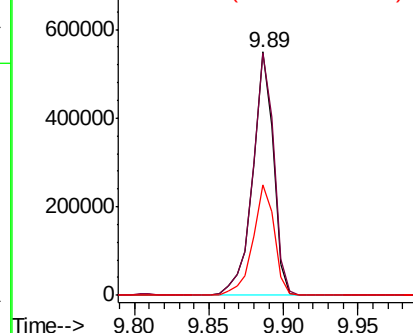
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.6	80.6	120.8	
160	45.3	36.5	54.7	

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



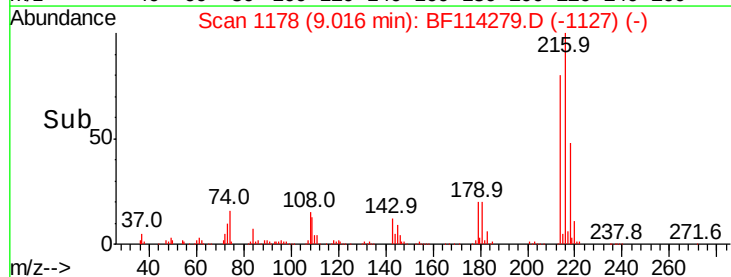
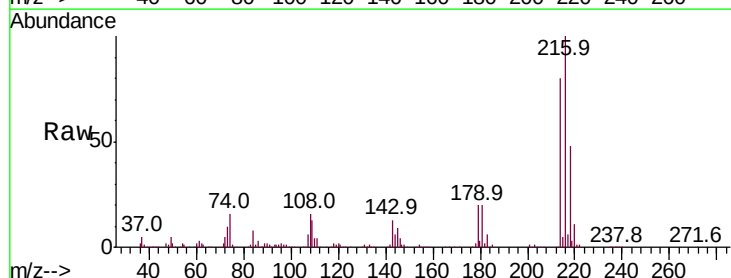
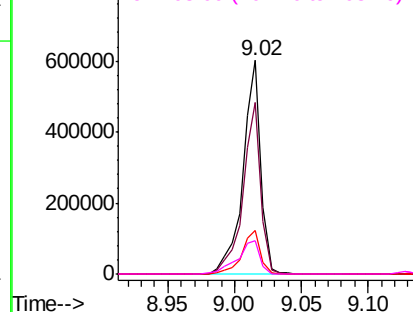
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

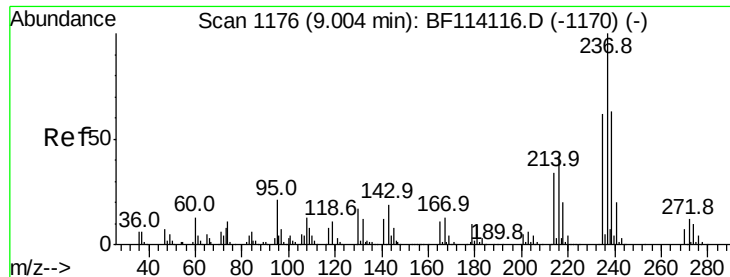


#40
1,2,4,5-Tetrachlorobenzene
Concen: 35.357 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.6	63.9	95.9	
179	21.0	17.0	25.6	
108	19.8	14.8	22.2	

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





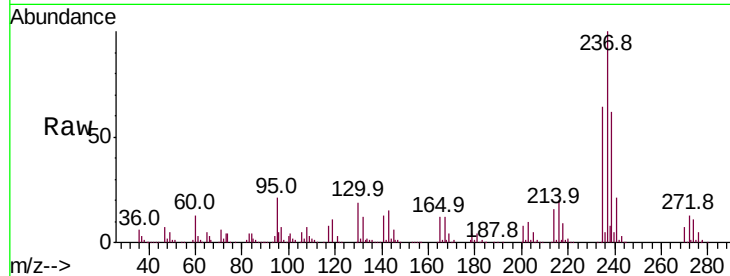
#41
Hexachlorocyclopentadiene
Concen: 57.125 ng
RT: 9.00 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

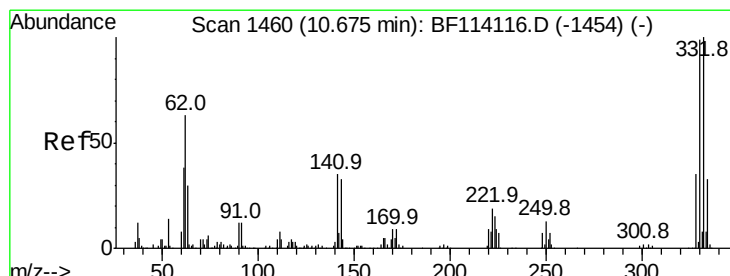
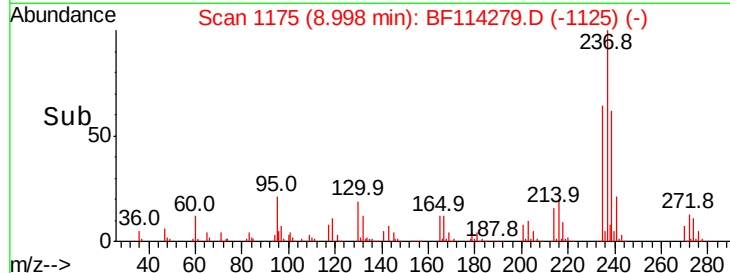
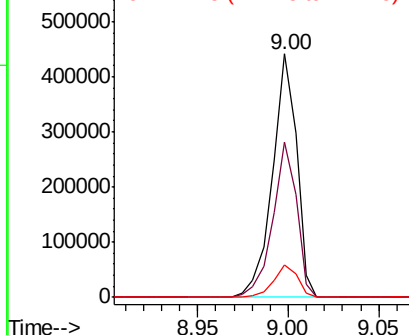
Tot Ion:	237	Resp:	410612
Ion Ratio	Lower	Upper	
237	100		
235	63.9	42.0	82.0
272	13.3	0.0	32.4

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM

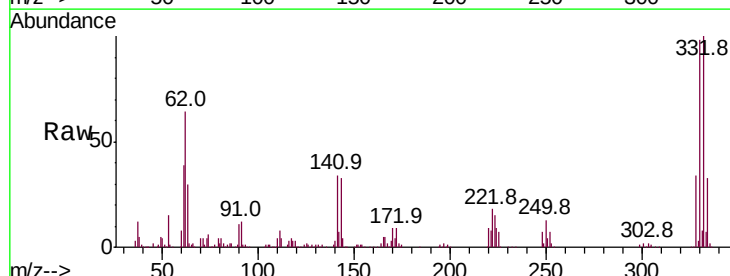


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

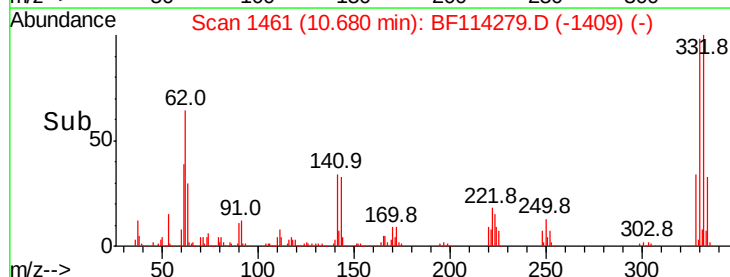
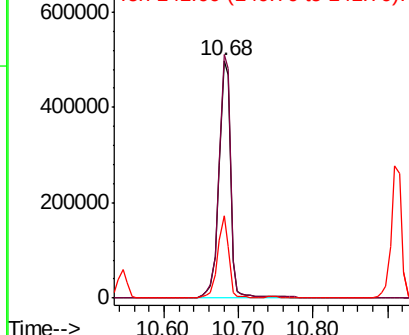


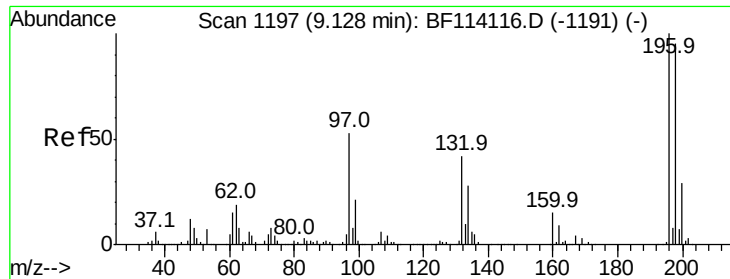
#42
2,4,6-Tribromophenol
Concen: 100.575 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion:	330	Resp:	541986
Ion Ratio	Lower	Upper	
330	100		
332	102.6	81.4	122.2
141	32.4	26.6	40.0



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





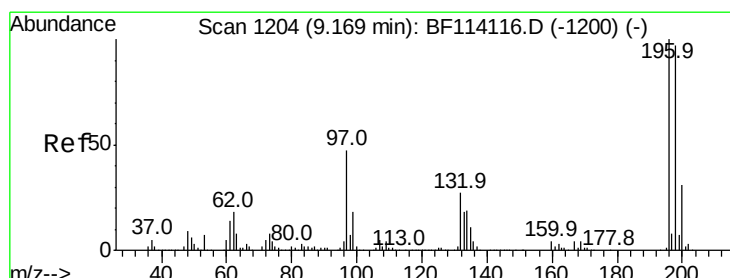
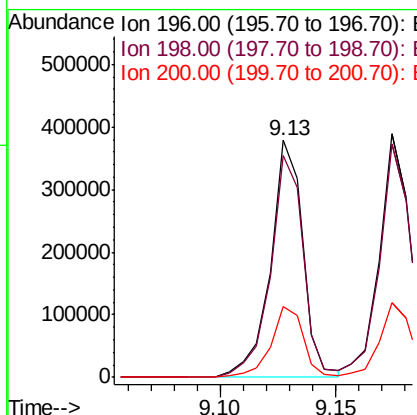
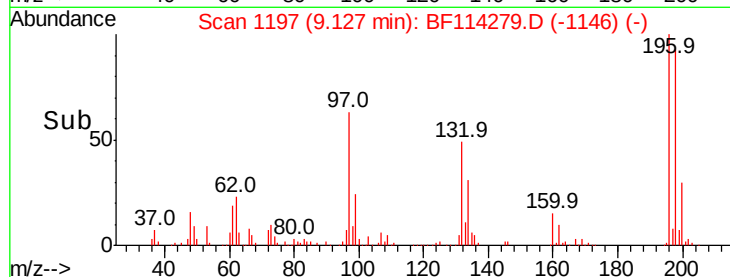
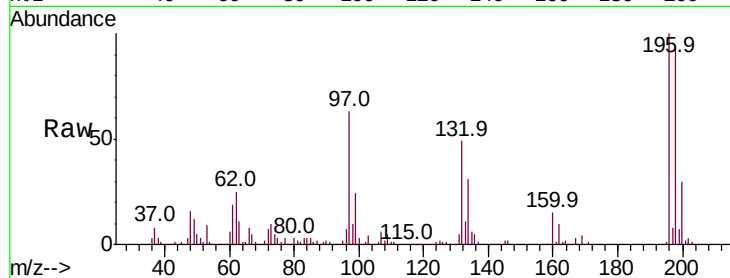
#43
 2,4,6-Trichlorophenol
 Concen: 33.906 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.00 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Instrument :
 BNA_F
 ClientSampled :
 PB119713BS

Tot Ion:	196	Resp:	368242
Ion Ratio	Lower	Upper	
196	100		
198	93.4	75.9	113.9
200	30.0	23.5	35.3

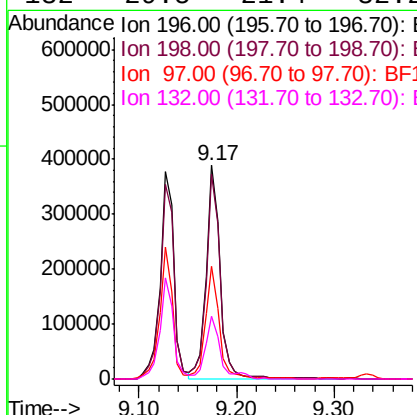
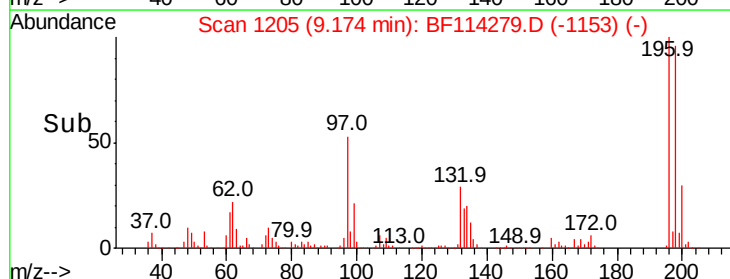
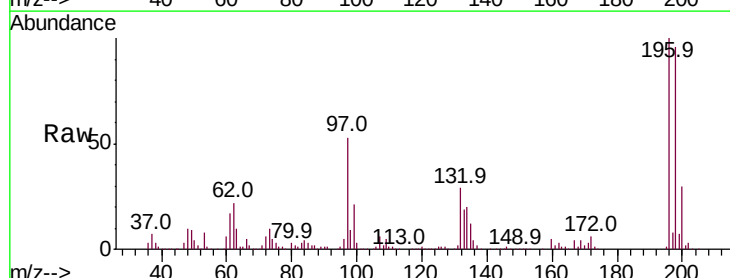
Manual Integrations
 APPROVED

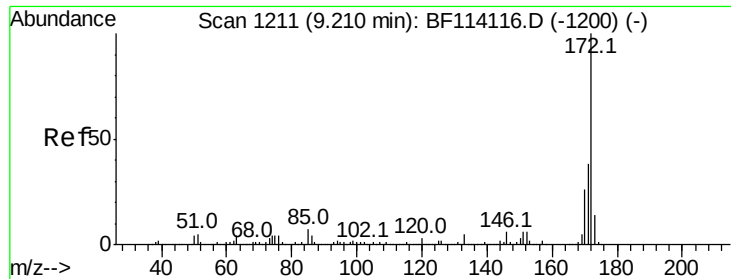
mohammad
 5/16/2019 9:50:55 AM



#44
 2,4,5-Trichlorophenol
 Concen: 34.538 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.01 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Tgt Ion:	196	Resp:	384693
Ion Ratio	Lower	Upper	
196	100		
198	95.8	77.7	116.5
97	53.0	38.2	57.2
132	29.5	21.4	32.2





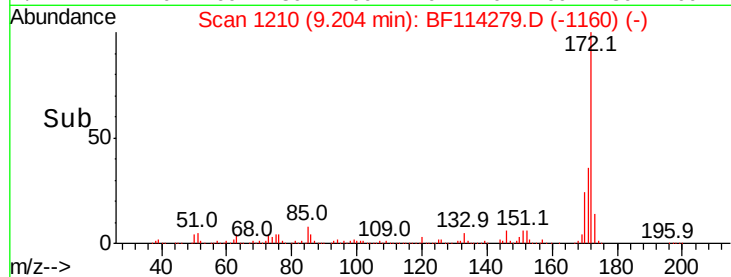
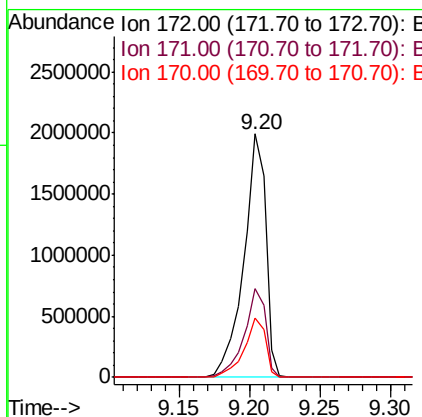
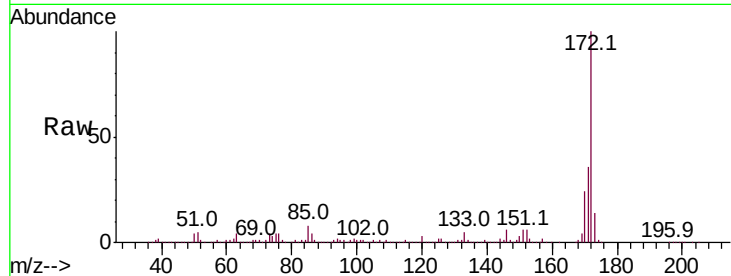
#45
2-Fluorobiphenyl
Concen: 62.894 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	30.7	46.1
170	24.3	20.5	30.7

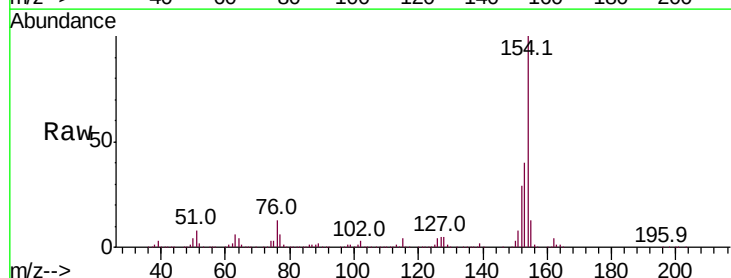
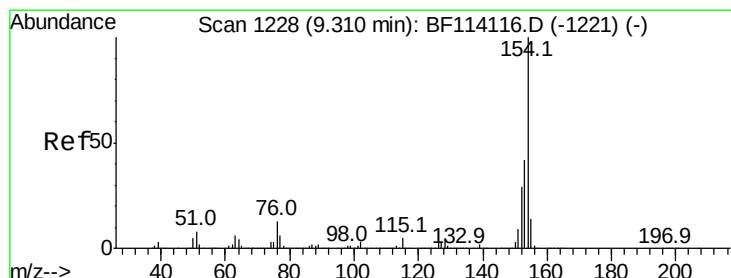
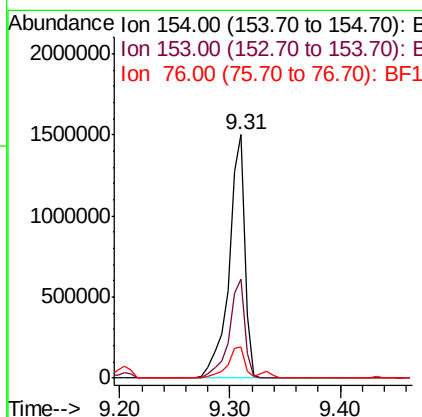
Manual Integrations
APPROVED

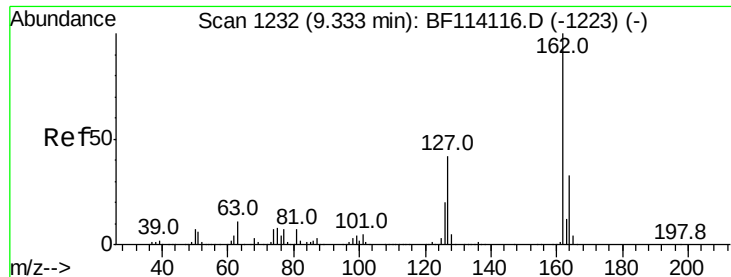
mohammad
5/16/2019 9:50:55 AM



#46
1,1'-Biphenyl
Concen: 35.613 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.5	21.9	61.9
76	13.0	0.0	32.8





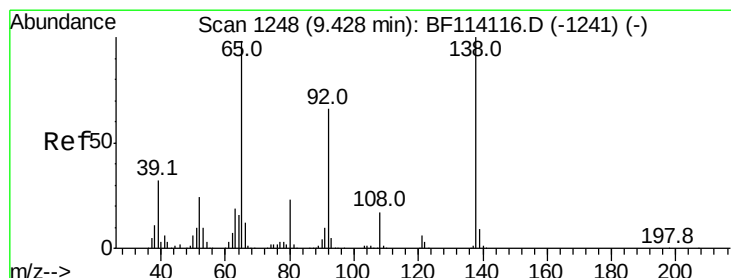
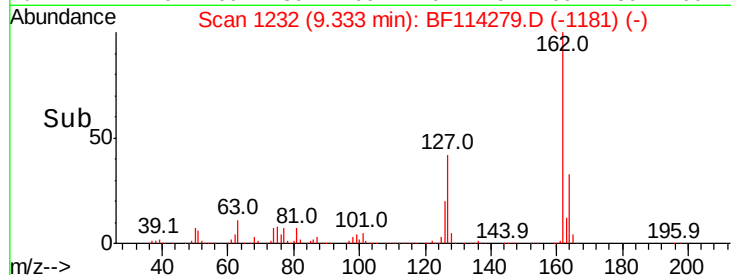
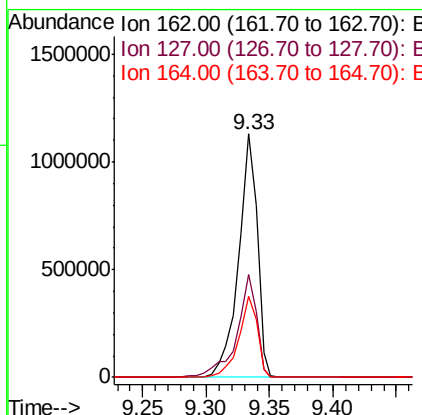
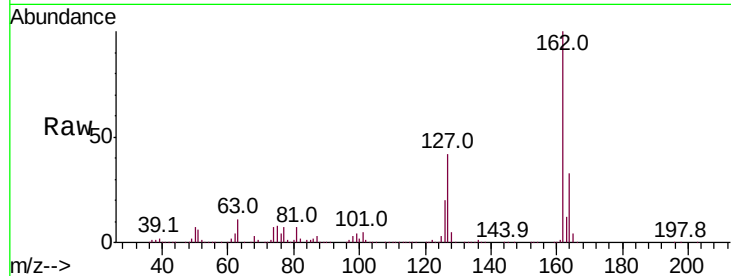
#47
 2-Chloronaphthalene
 Concen: 33.803 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB119713BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	42.4	34.0	51.0
164	33.4	26.7	40.1

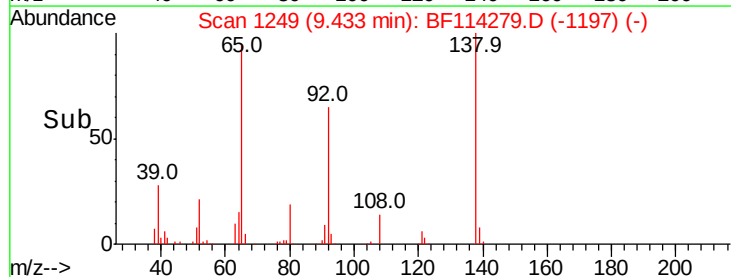
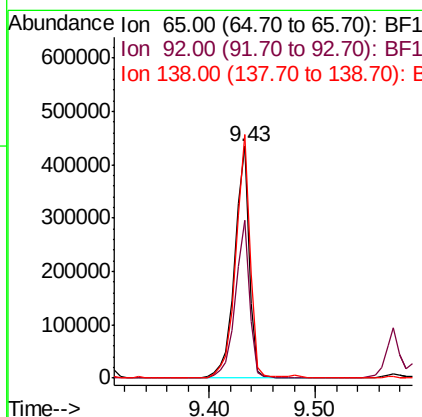
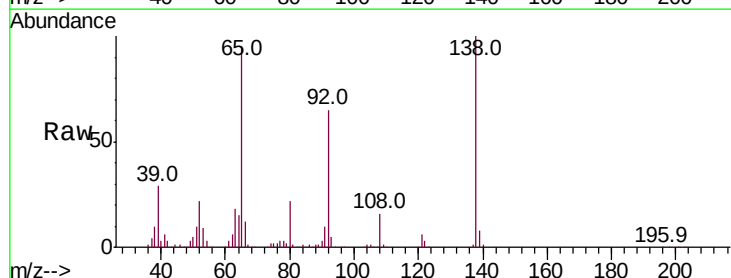
Manual Integrations
 APPROVED

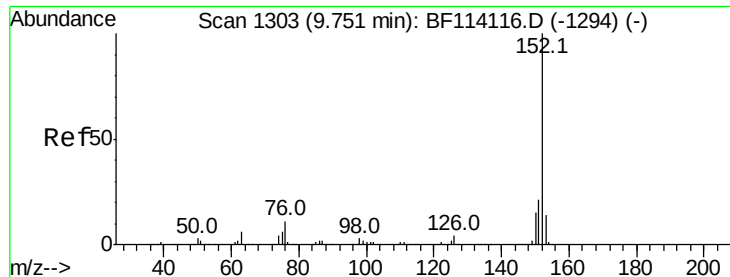
mohammad
 5/16/2019 9:50:55 AM



#48
 2-Nitroaniline
 Concen: 33.964 ng
 RT: 9.43 min Scan# 1249
 Delta R.T. 0.01 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
65	100		
92	68.2	53.9	80.9
138	105.2	81.4	122.0





#49

Acenaphthylene

Concen: 35.860 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion:152 Resp: 1848387

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

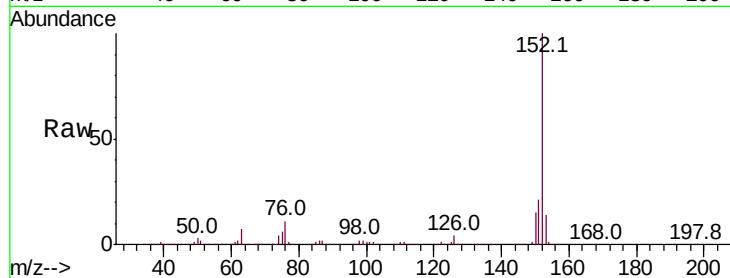
153 13.7 11.4 17.2

Manual Integrations

APPROVED

mohammad

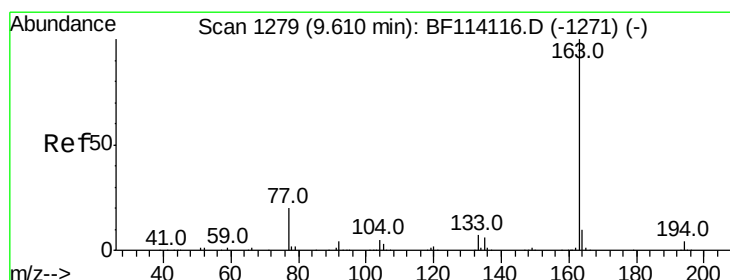
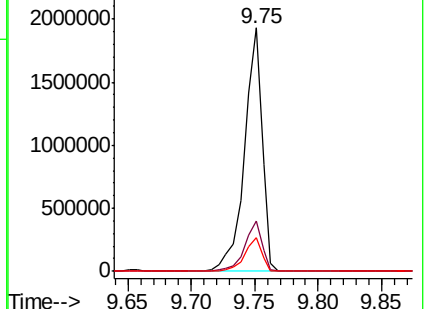
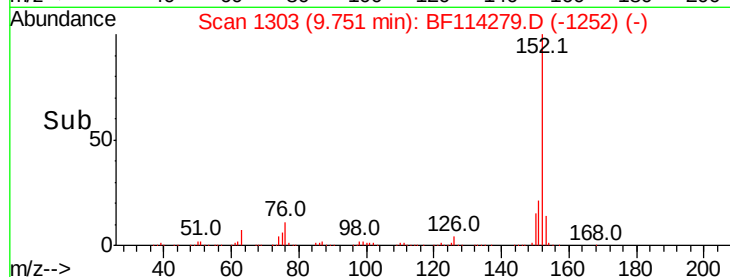
5/16/2019 9:50:55 AM



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: 34.938 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

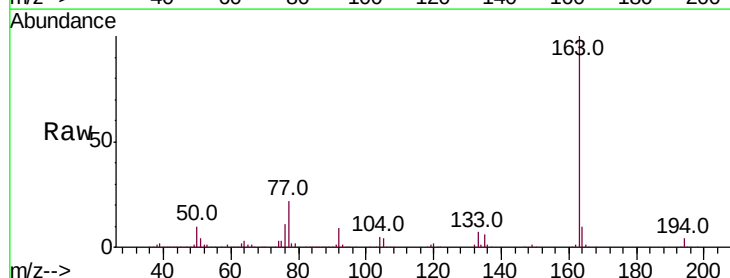
Tgt Ion:163 Resp: 1336906

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.0

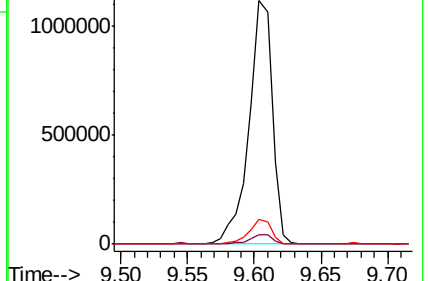
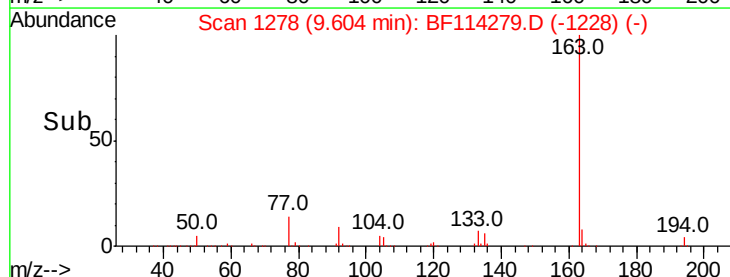
164 10.3 8.2 12.2

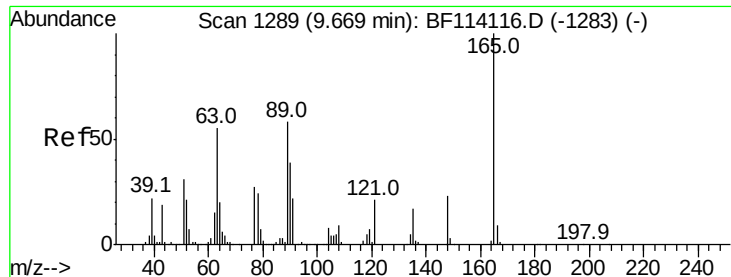


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

2,6-Dinitrotoluene

Concen: 35.787 ng

RT: 9.67 min Scan# 1290

Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

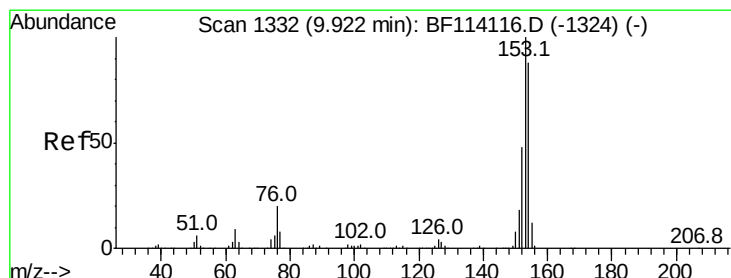
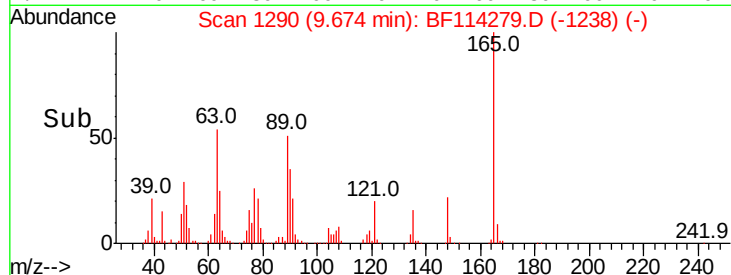
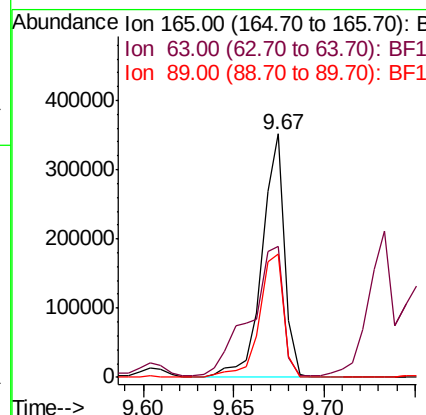
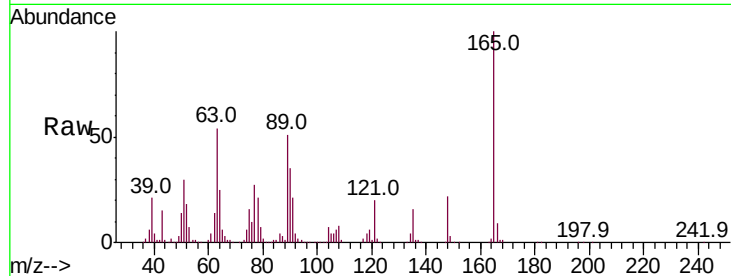
ClientSampleId :

PB119713BS

Tot Ion:	165	Resp:	303730
Ion Ratio	Lower	Upper	
165	100		
63	53.6	50.2	75.4
89	50.9	46.6	69.8

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



#52

Acenaphthene

Concen: 33.720 ng

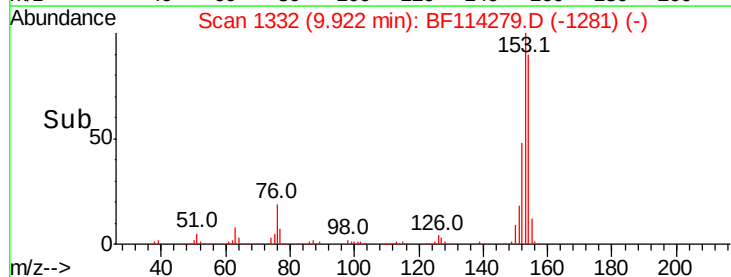
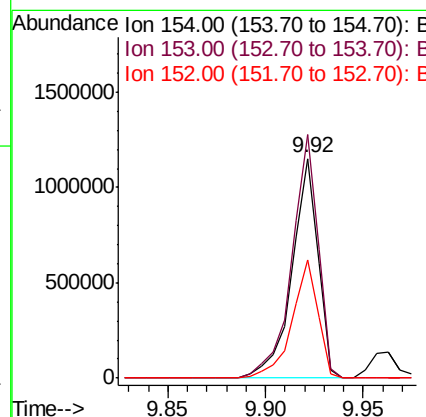
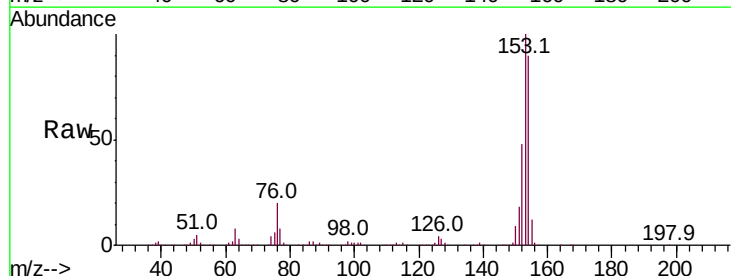
RT: 9.92 min Scan# 1332

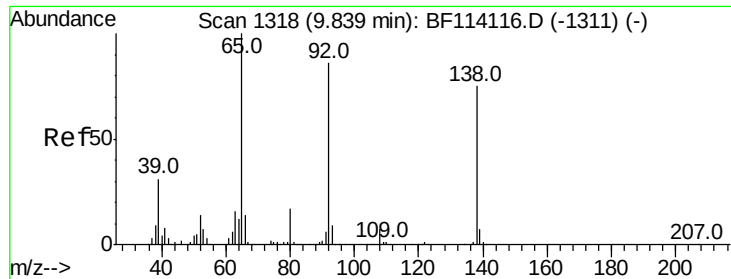
Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Tgt Ion:	154	Resp:	1066564
Ion Ratio	Lower	Upper	
154	100		
153	110.9	90.5	135.7
152	53.7	43.4	65.2





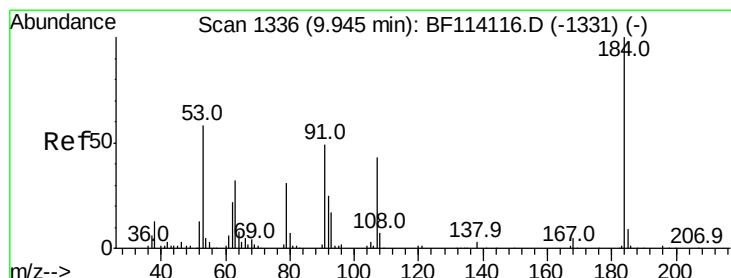
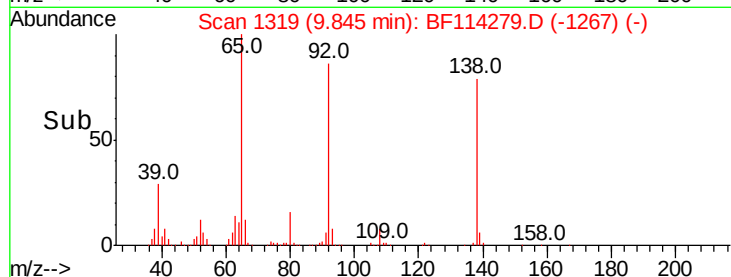
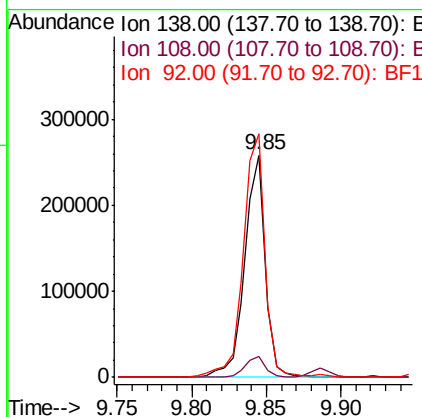
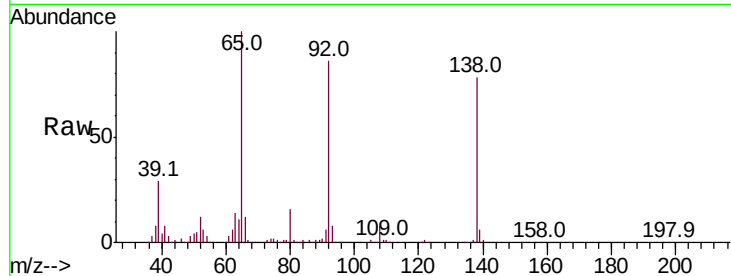
#53
3-Nitroaniline
Concen: 23.346 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Resp	Lower	Upper
138	100	245961		
108	9.6		7.8	11.6
92	109.8		91.2	136.8

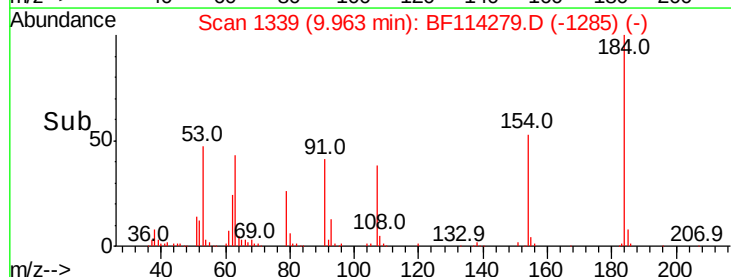
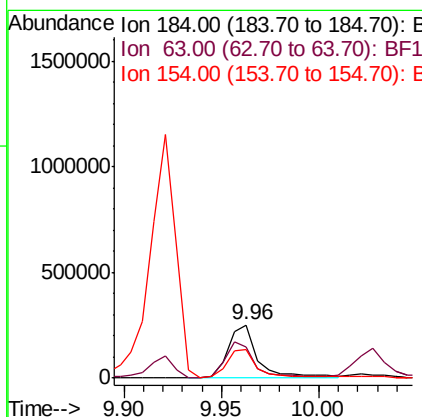
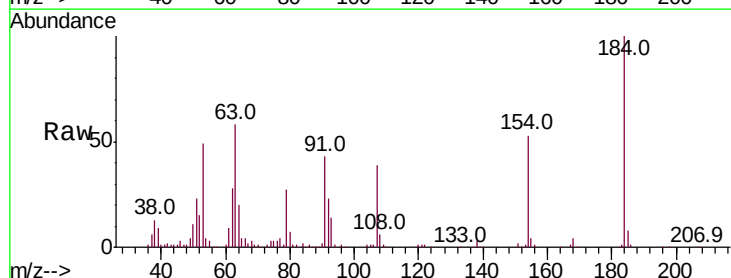
Manual Integrations
APPROVED

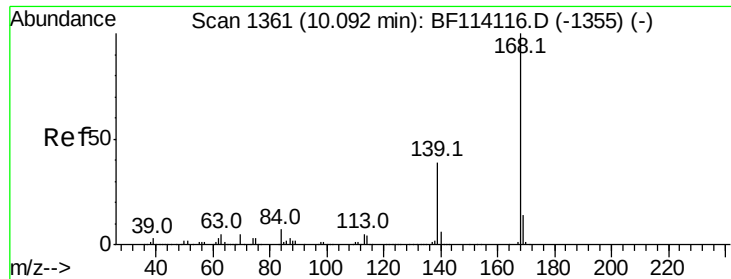
mohammad
5/16/2019 9:50:55 AM



#54
2,4-Dinitrophenol
Concen: 64.516 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.02 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
184	100	269244		
63	58.2		55.6	83.4
154	53.5		46.0	69.0





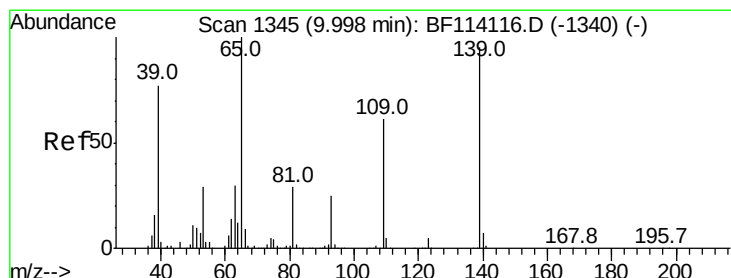
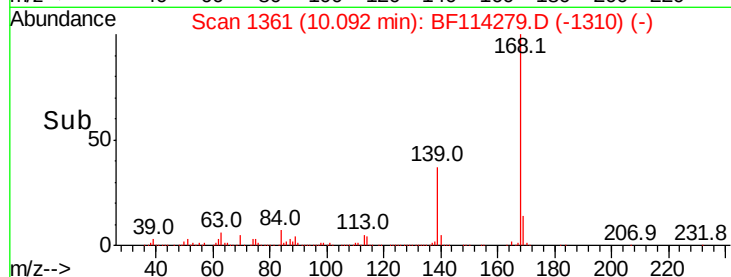
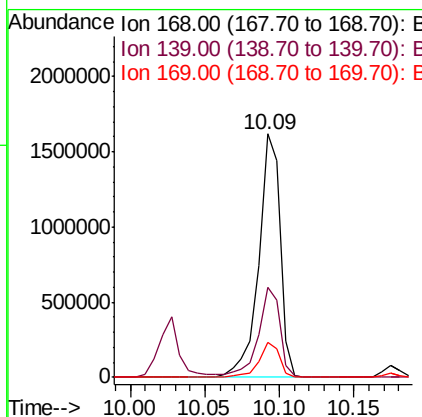
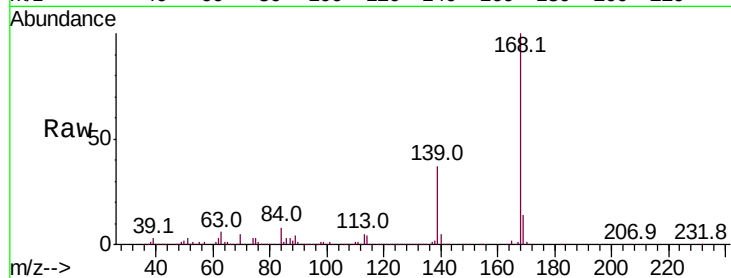
#55
Dibenzofuran
Concen: 34.315 ng
RT: 10.09 min Scan# 1361
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.2	31.1	46.7
169	14.1	11.4	17.0

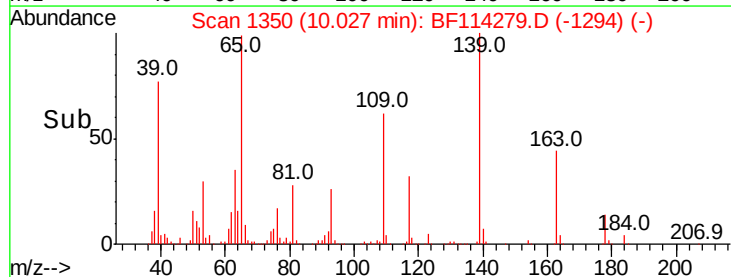
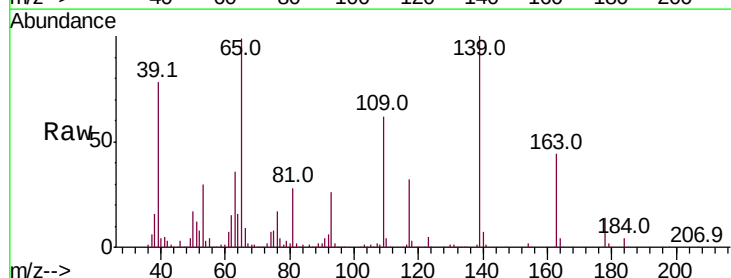
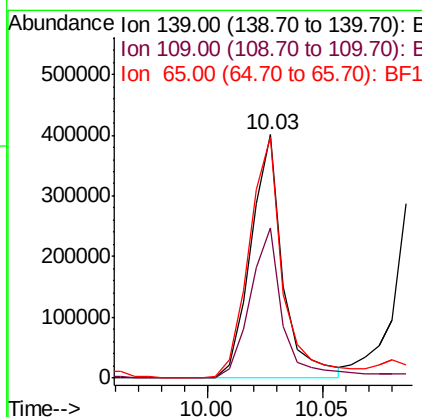
Manual Integrations
APPROVED

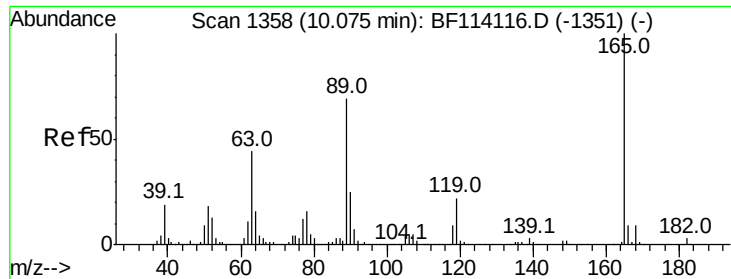
mohammad
5/16/2019 9:50:55 AM



#56
4-Nitrophenol
Concen: 52.284 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.03 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
139	100		
109	61.9	43.9	83.9
65	99.0	85.7	125.7





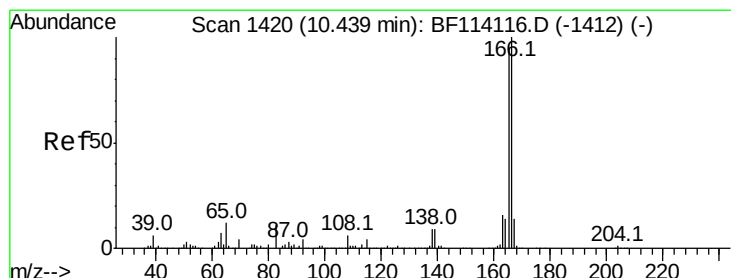
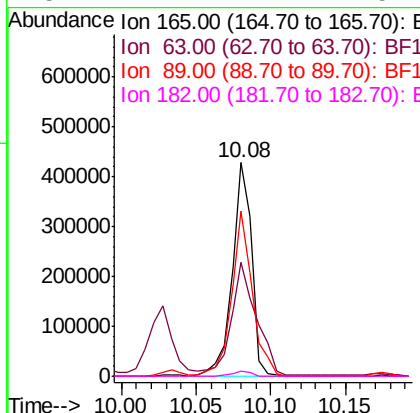
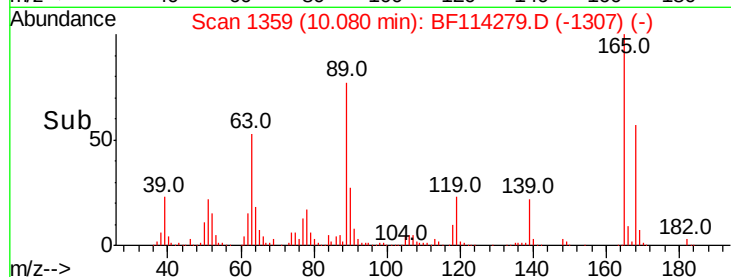
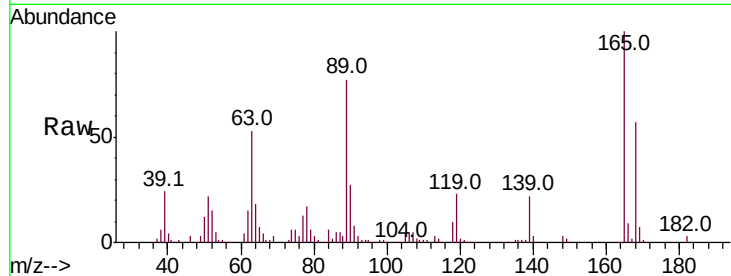
#57
2,4-Dinitrotoluene
Concen: 33.940 ng
RT: 10.08 min Scan# 1359
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	390976		
63	53.4	35.5	53.3	#
89	77.1	55.2	82.8	
182	2.7	2.2	3.2	

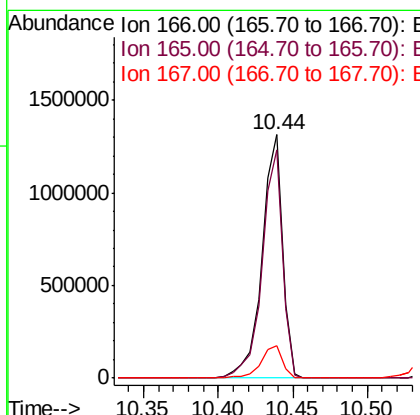
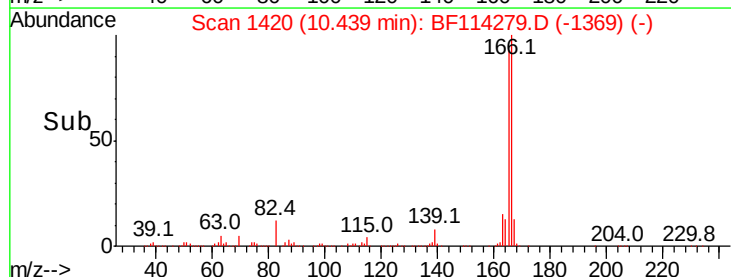
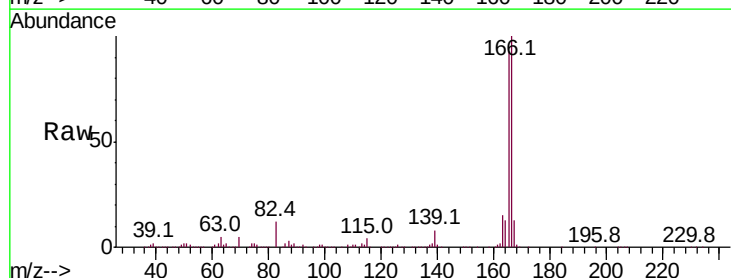
Manual Integrations
APPROVED

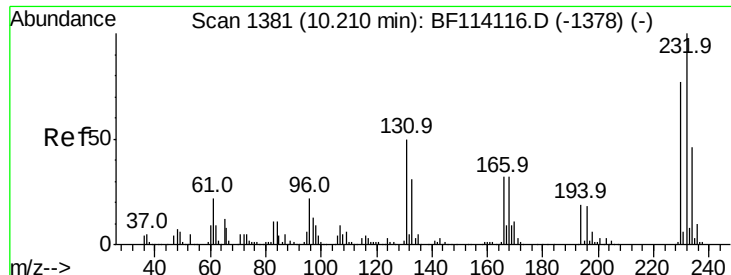
mohammad
5/16/2019 9:50:55 AM



#58
Fluorene
Concen: 34.414 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1232890		
165	93.5	76.1	114.1	
167	13.4	11.1	16.7	





#59

2,3,4,6-Tetrachlorophenol

Concen: 33.631 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion:232 Resp: 323206

Ion Ratio Lower Upper

232 100

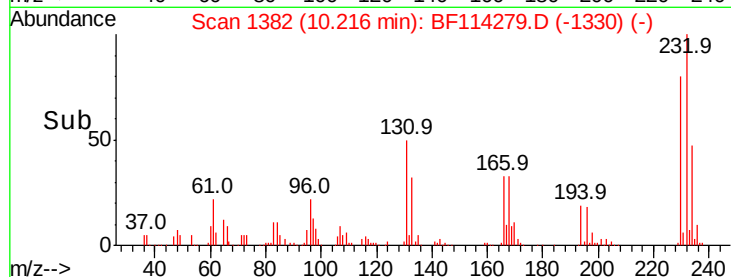
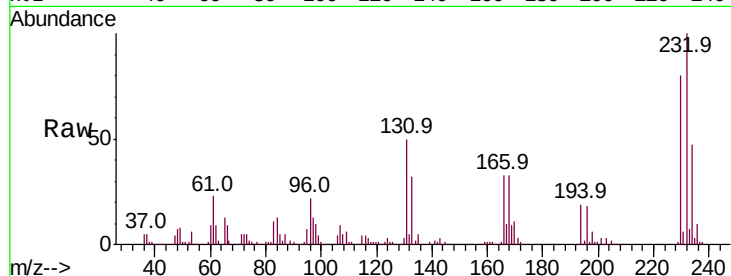
131 42.9 35.6 53.4

130 2.1 1.6 2.4

166 29.3 24.1 36.1

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM

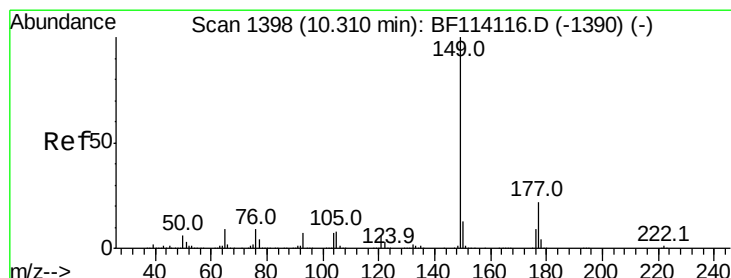
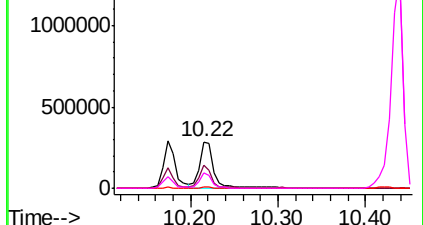


Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60

Diethylphthalate

Concen: 33.629 ng

RT: 10.30 min Scan# 1397

Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

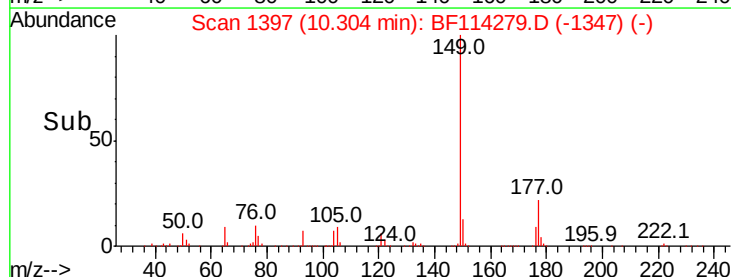
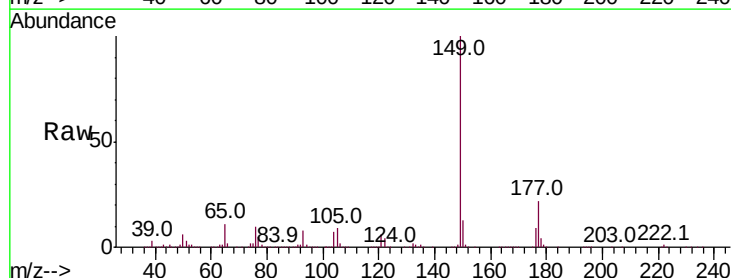
Tgt Ion:149 Resp: 1307475

Ion Ratio Lower Upper

149 100

177 21.8 17.8 26.6

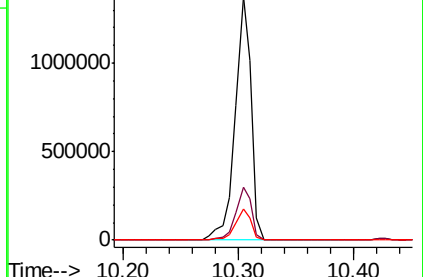
150 12.8 10.2 15.2

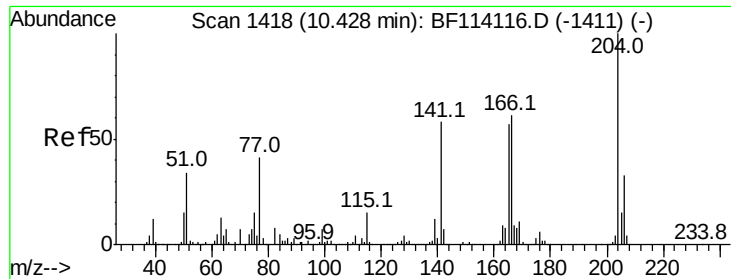


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





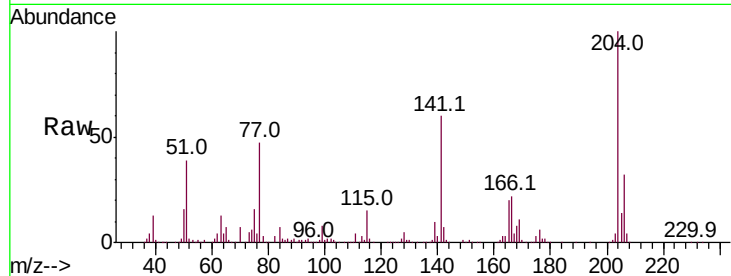
#61
4-Chlorophenyl-phenylether
Concen: 34.067 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
204	100		
206	31.9	26.6	39.8
141	60.4	46.4	69.6

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM

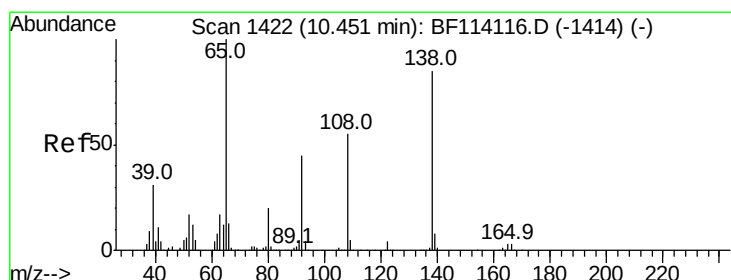
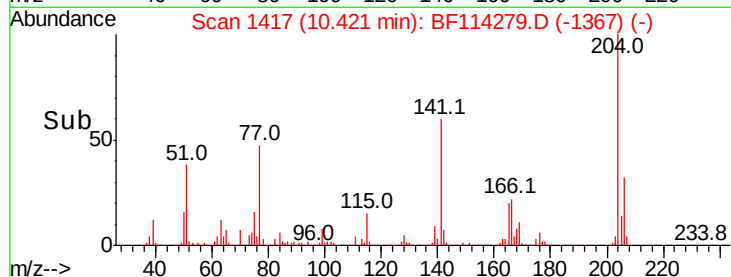
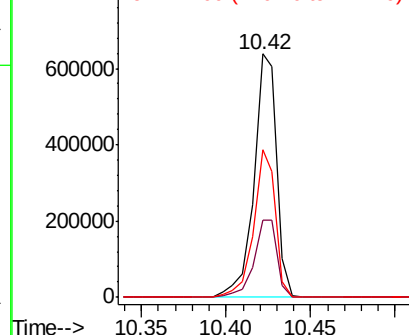


Abundance

Ion 204.00 (203.70 to 204.70): E

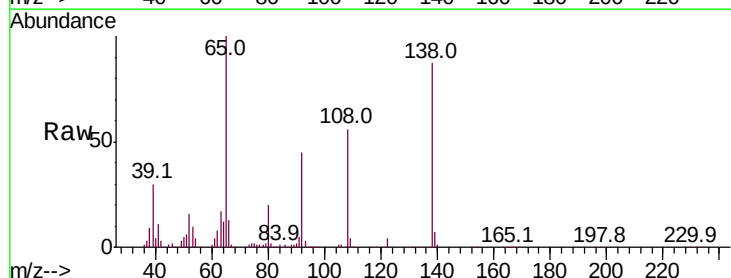
Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E



#62
4-Nitroaniline
Concen: 31.086 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
138	100		
92	52.1	33.0	73.0
108	64.2	44.9	84.9

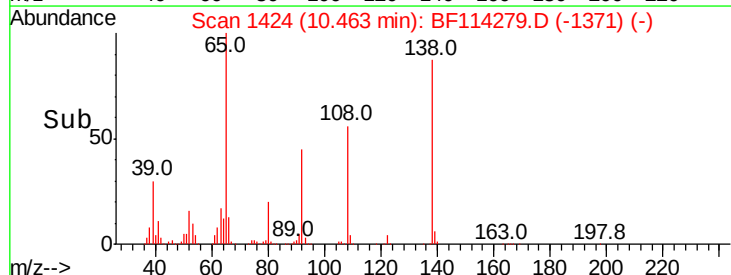
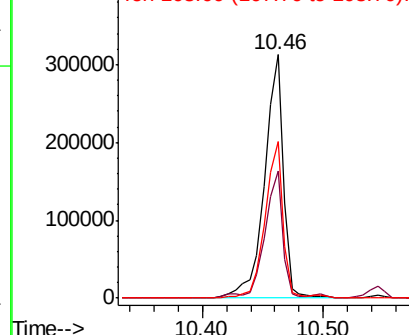


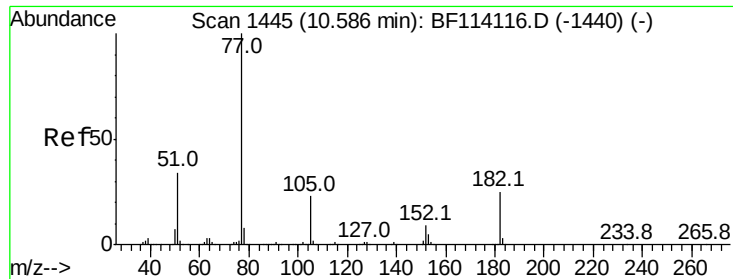
Abundance

Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





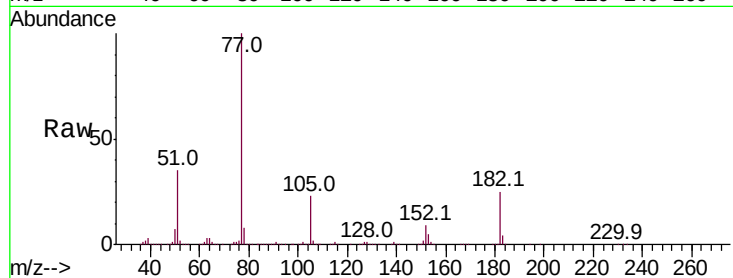
#63
Azobenzene
Concen: 34.973 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	24.9	4.7	44.7
105	23.3	2.9	42.9
51	34.8	14.6	54.6

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



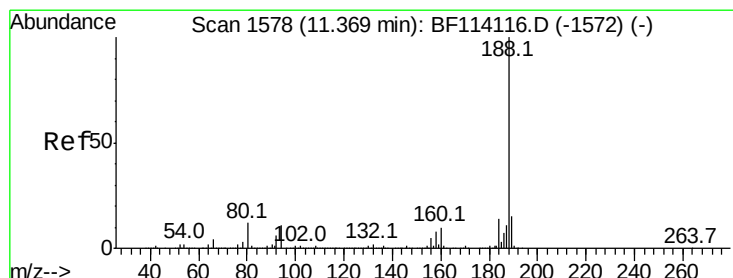
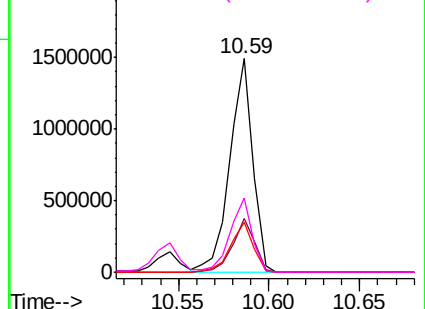
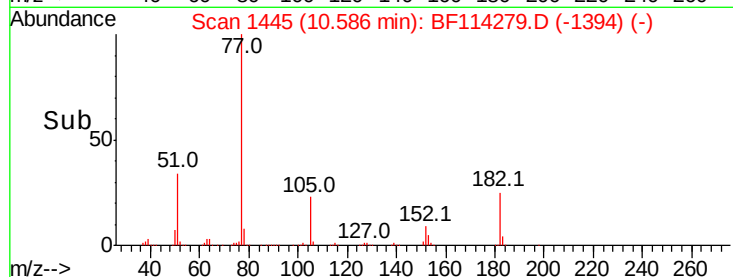
Abundance

Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

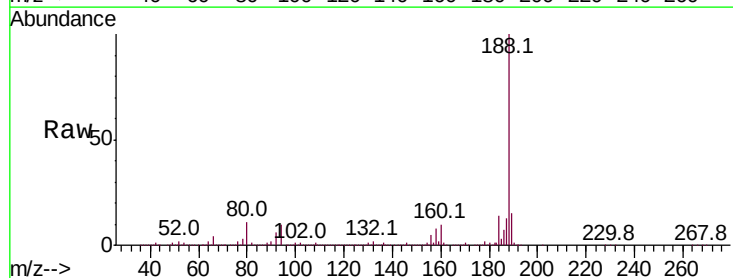
Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1579
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.4	12.6
80	11.1	9.2	13.8

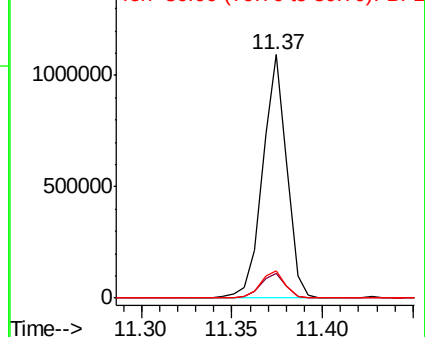
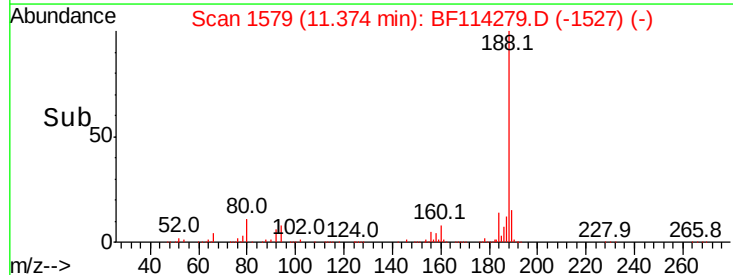


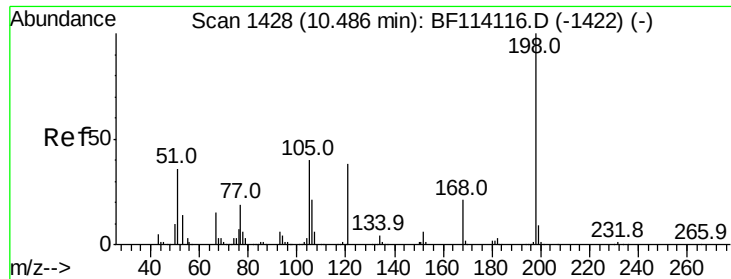
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





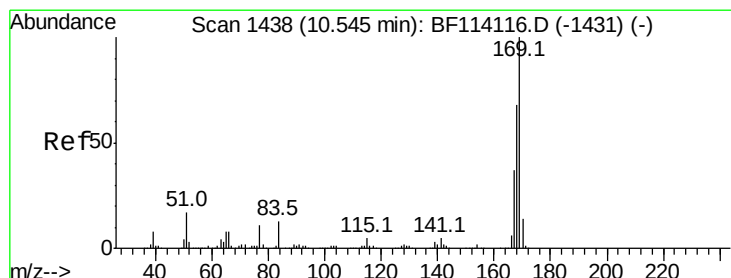
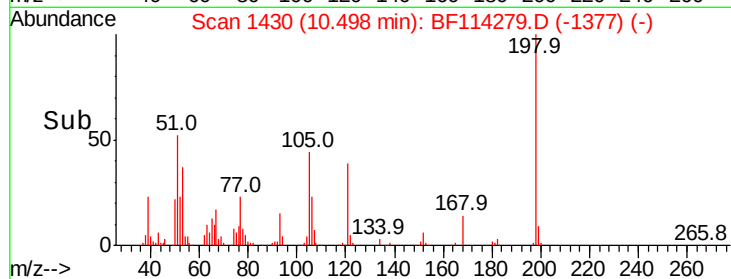
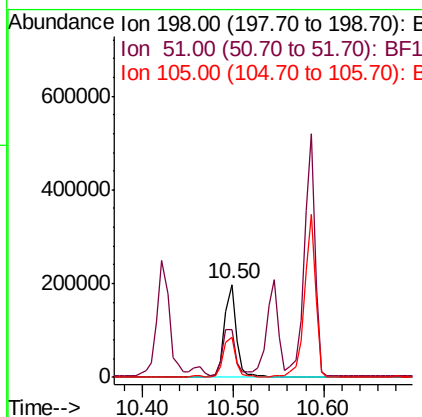
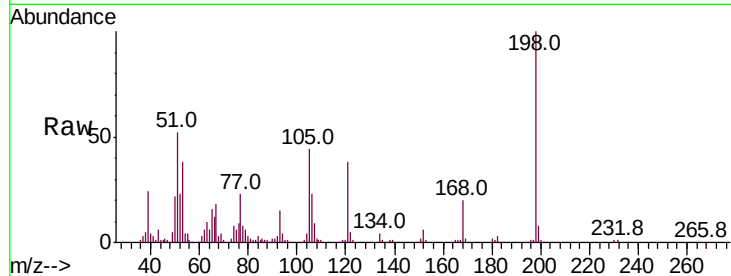
#65
4,6-Dinitro-2-methylphenol
Concen: 37.097 ng
RT: 10.50 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	179801		
51	51.9	28.0	68.0	
105	43.6	21.1	61.1	

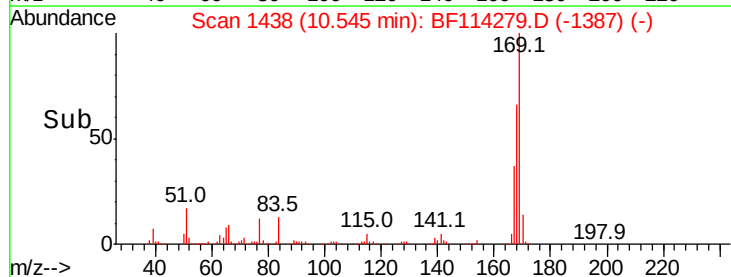
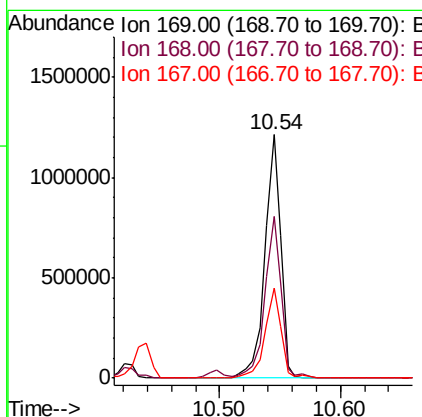
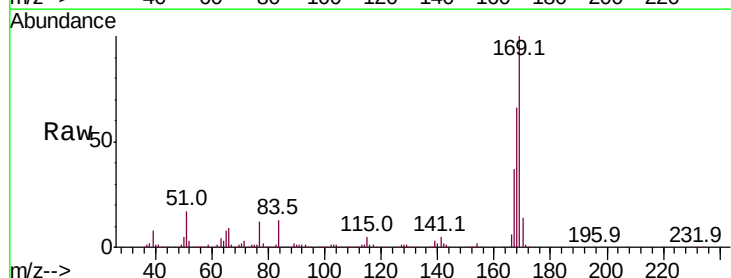
Manual Integrations
APPROVED

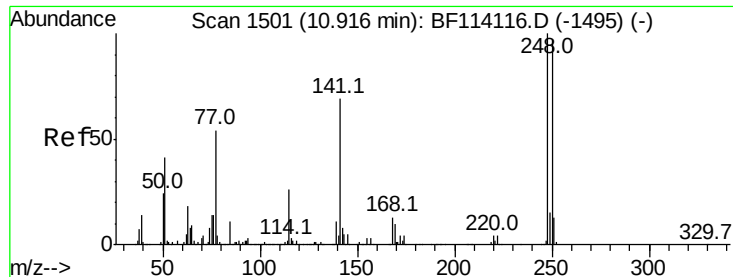
mohammad
5/16/2019 9:50:55 AM



#66
n-Nitrosodiphenylamine
Concen: 36.694 ng
RT: 10.54 min Scan# 1438
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1123334		
168	66.5	54.2	81.2	
167	36.8	29.8	44.8	





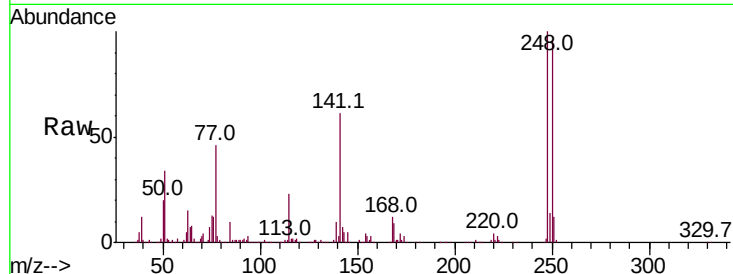
#67
4-Bromophenyl-phenylether
Concen: 34.342 ng
RT: 10.92 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleID :
PB119713BS

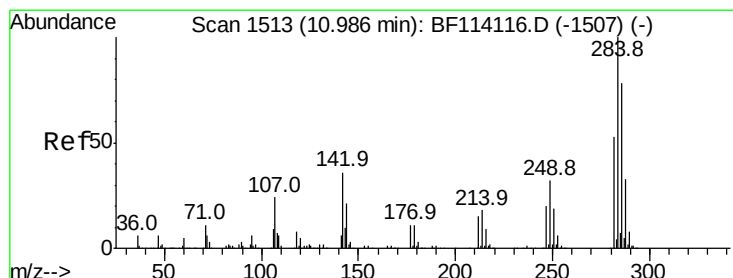
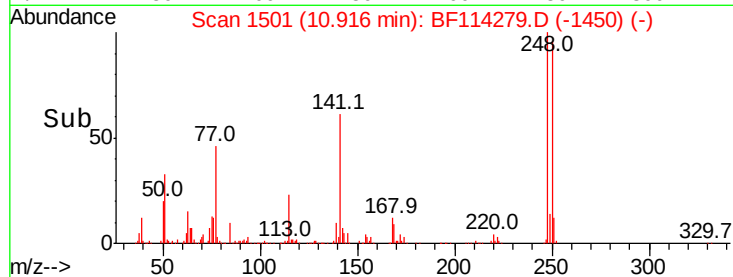
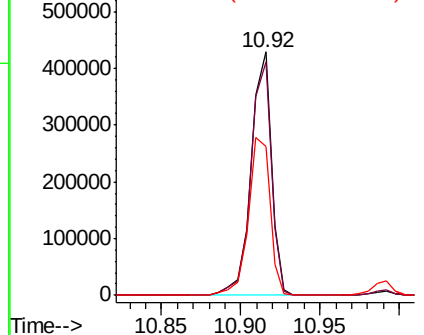
Tot Ion	Ratio	Resp	Lower	Upper
248	100			
250	95.9	77.4	116.2	
141	61.2	55.6	83.4	

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM

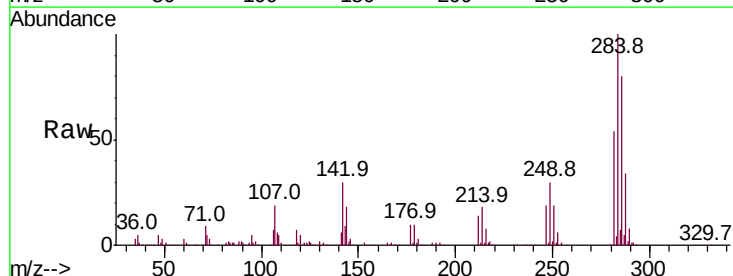


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

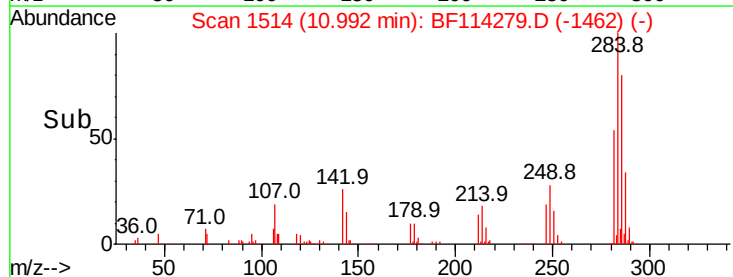
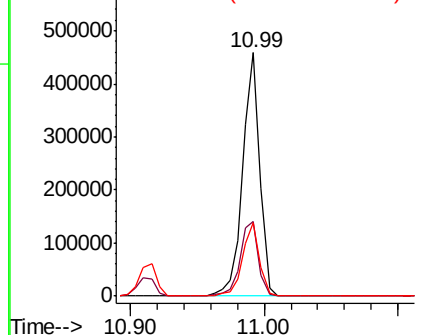


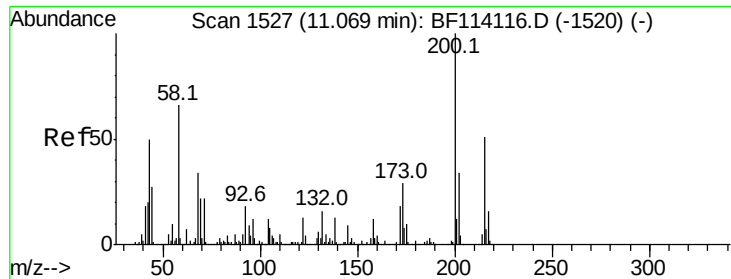
#68
Hexachlorobenzene
Concen: 33.319 ng
RT: 10.99 min Scan# 1514
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
284	100			
142	30.4	28.4	42.6	
249	29.9	25.2	37.8	



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





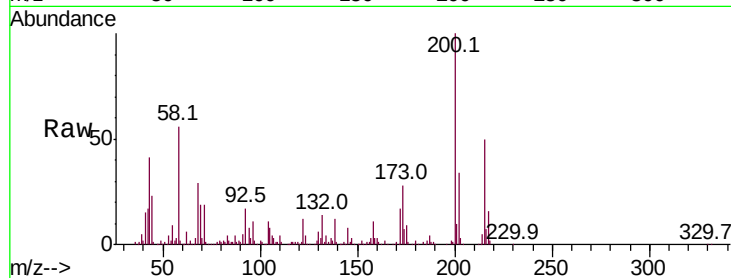
#69
Atrazine
Concen: 34.744 ng
RT: 11.07 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

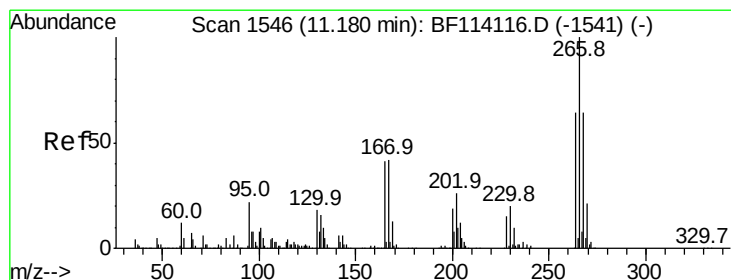
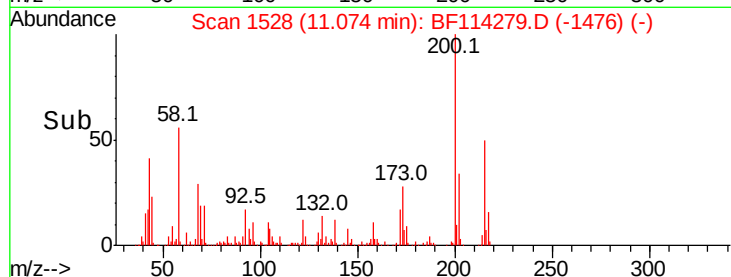
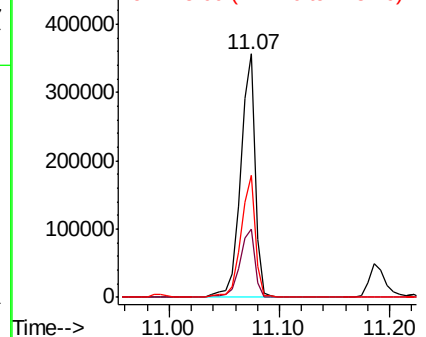
Tot Ion	Ratio	Resp Lower	Resp Upper
200	100		
173	28.1	8.9	48.9
215	50.0	30.7	70.7

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM

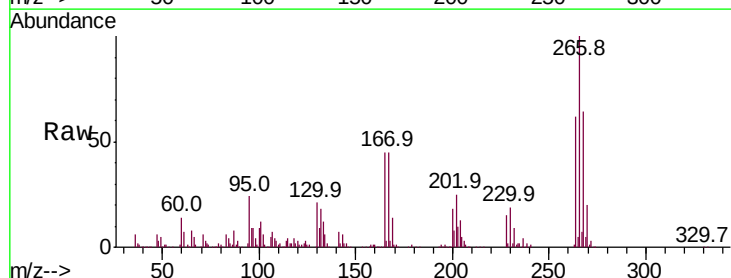


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

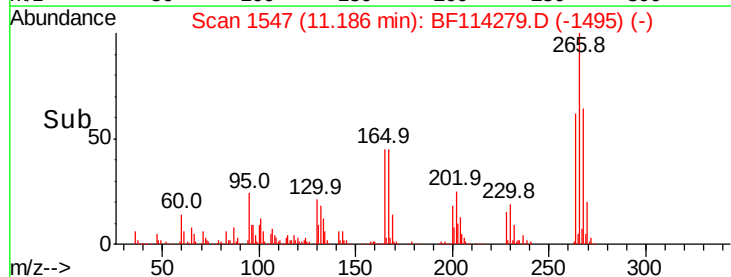
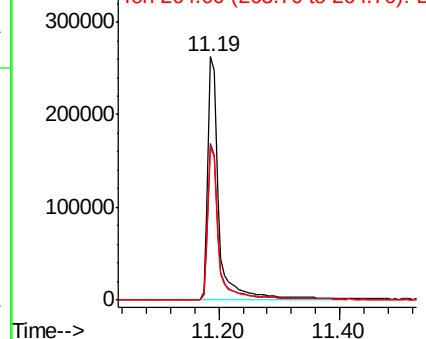


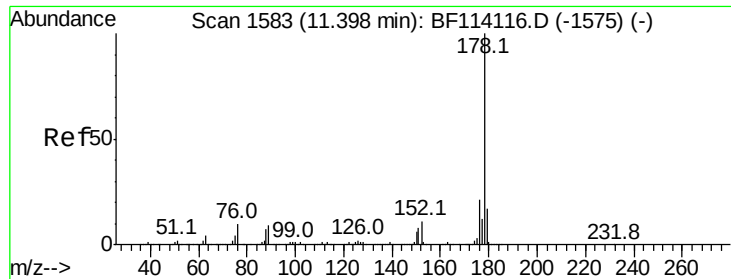
#70
Pentachlorophenol
Concen: 58.877 ng
RT: 11.19 min Scan# 1547
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
266	100		
268	64.1	51.1	76.7
264	62.5	51.1	76.7



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: 35.424 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion:178 Resp: 1738379

Ion Ratio Lower Upper

178 100

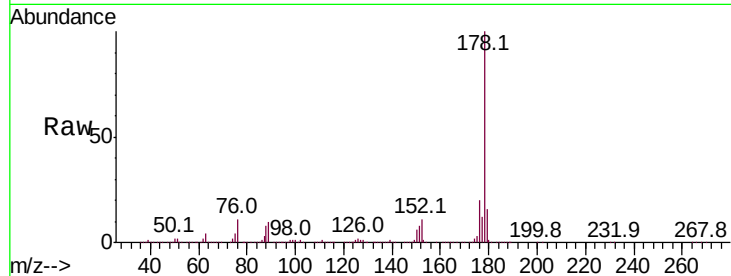
176 19.9 16.4 24.6

179 16.2 13.2 19.8

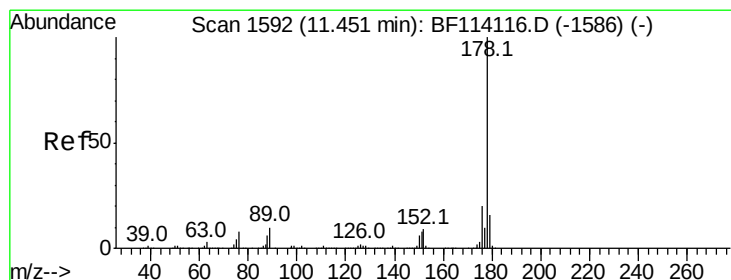
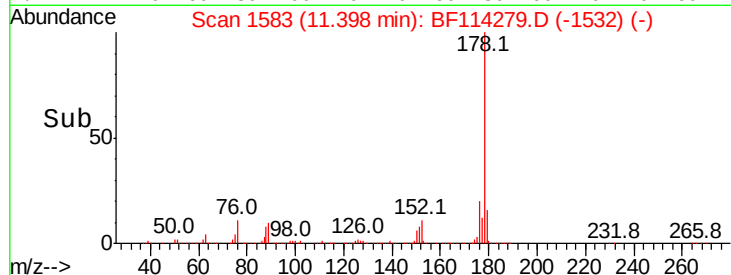
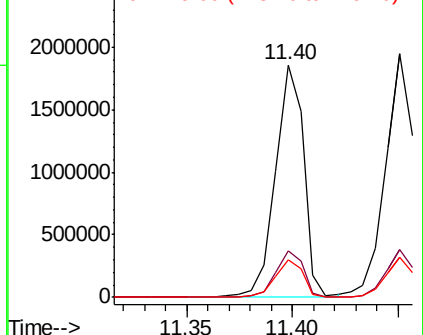
Manual Integrations
APPROVED

mohammad

5/16/2019 9:50:55 AM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 36.954 ng

RT: 11.45 min Scan# 1592

Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Tgt Ion:178 Resp: 1821480

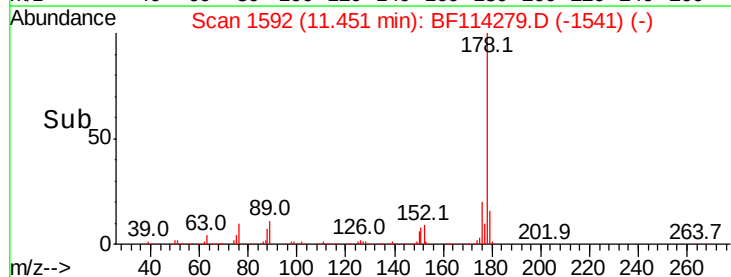
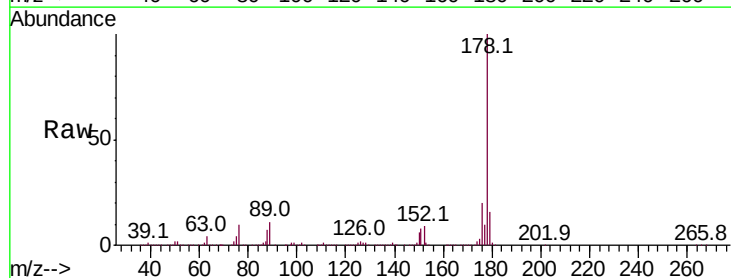
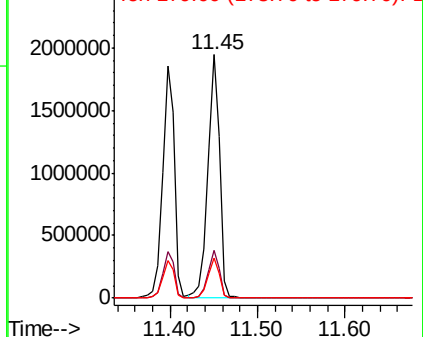
Ion Ratio Lower Upper

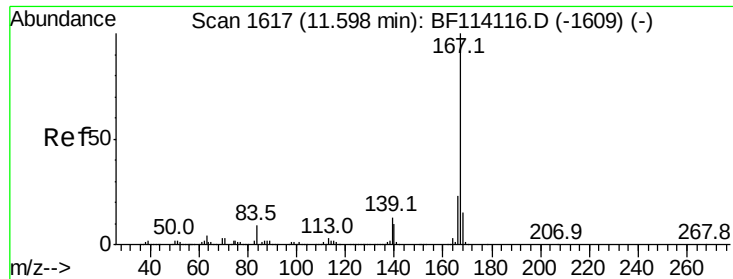
178 100

176 19.5 15.8 23.8

179 16.3 13.0 19.4

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





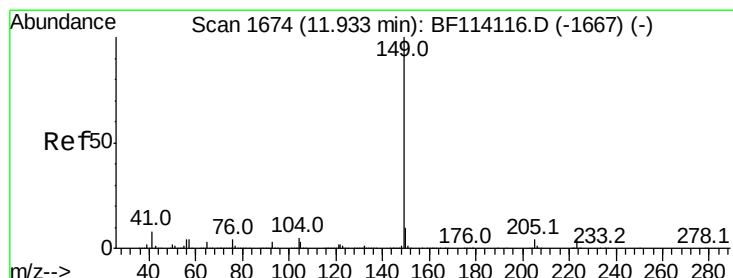
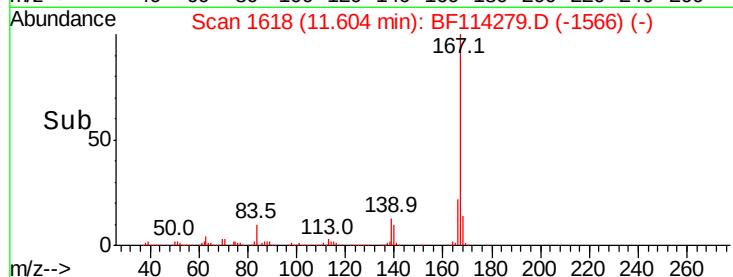
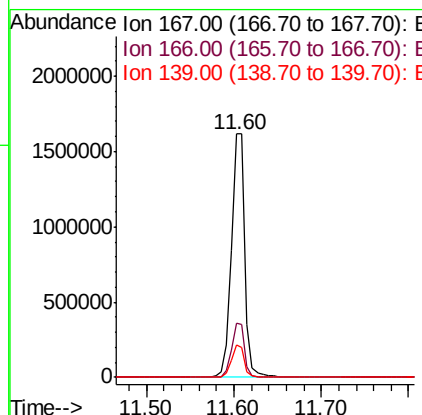
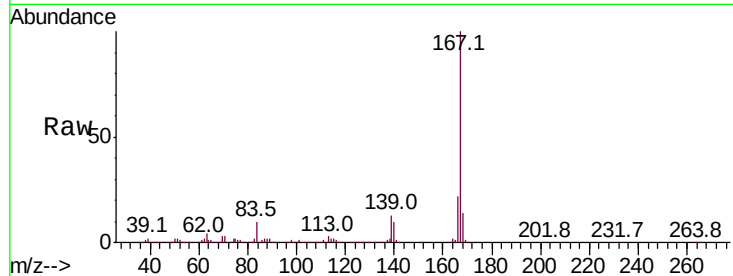
#73
 Carbazole
 Concen: 36.380 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. 0.01 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB119713BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.2	18.2	27.2
139	13.1	10.6	16.0

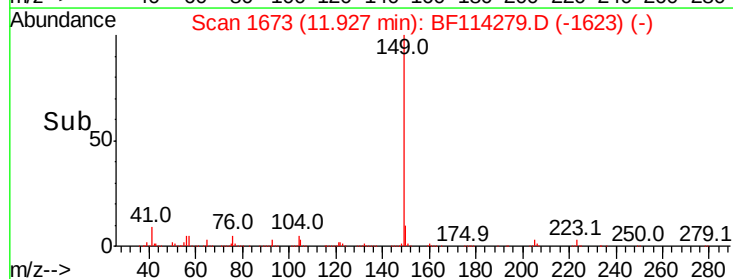
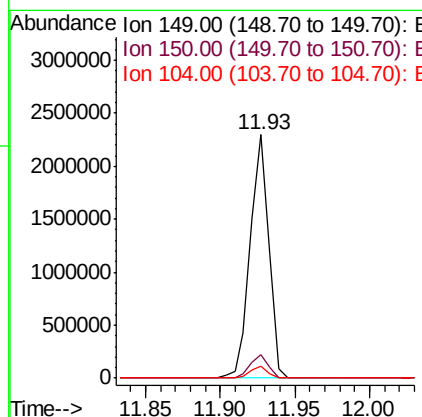
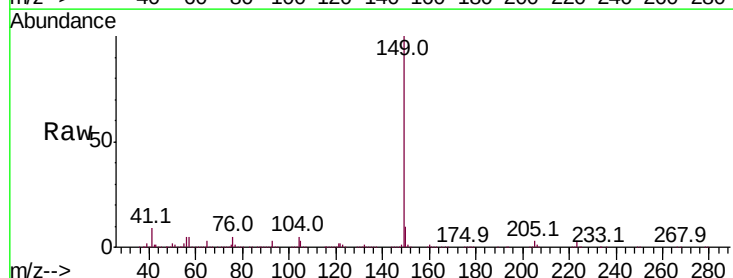
Manual Integrations
 APPROVED

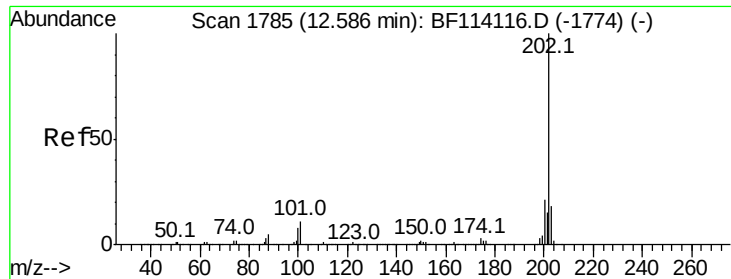
mohammad
 5/16/2019 9:50:55 AM



#74
 Di-n-butylphthalate
 Concen: 36.460 ng
 RT: 11.93 min Scan# 1673
 Delta R.T. -0.01 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	4.7	3.6	5.4





#75

Fluoranthene

Concen: 35.557 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

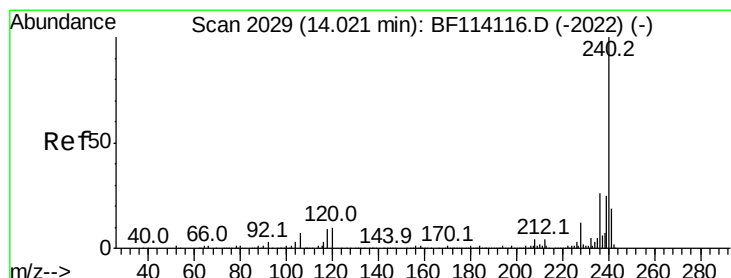
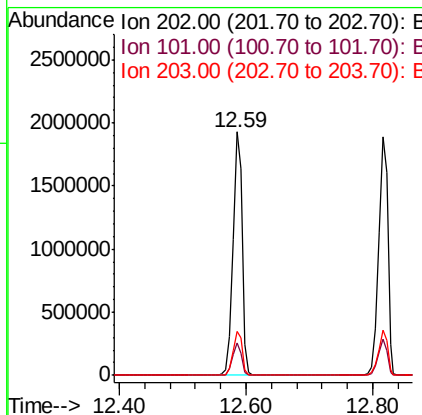
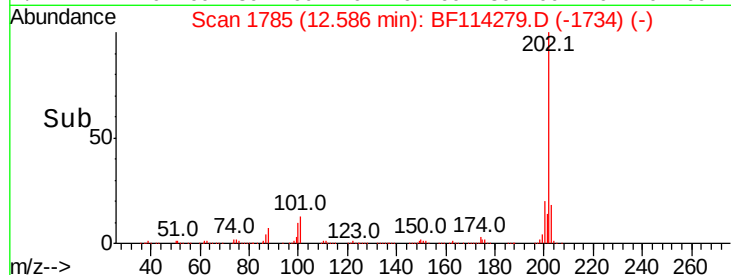
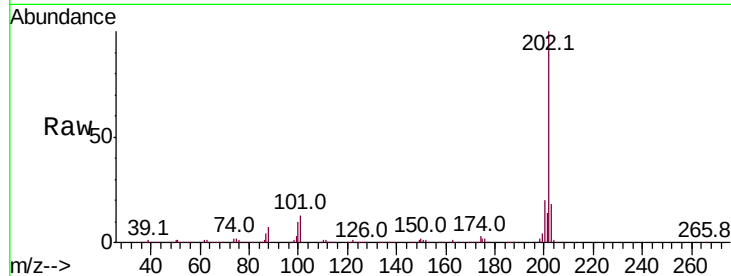
ClientSampleId :

PB119713BS

Tot Ion:	202	Resp:	1879064
Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.0
203	18.3	0.0	38.4

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



#76

Chrysene-d12

Concen: 20.000 ng

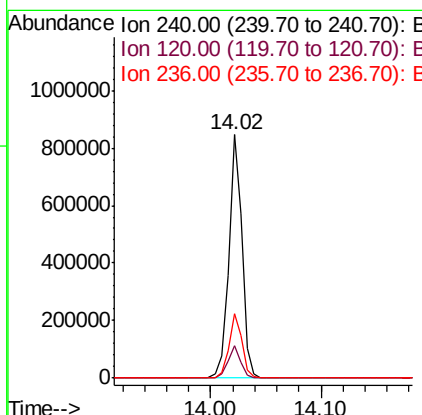
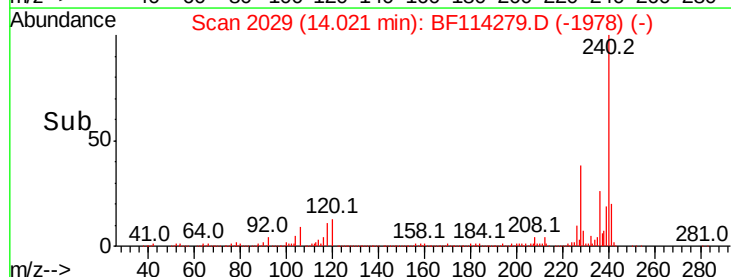
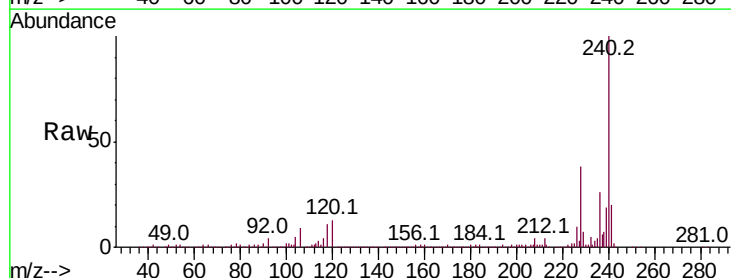
RT: 14.02 min Scan# 2029

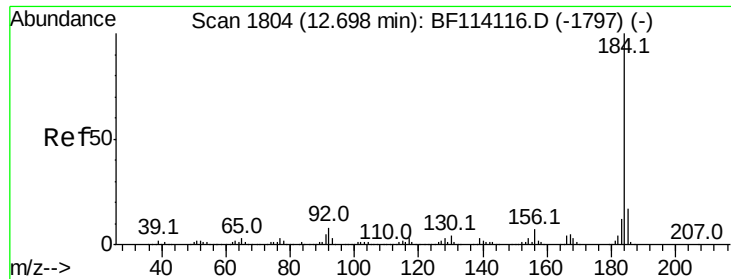
Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Tgt Ion:	240	Resp:	703057
Ion	Ratio	Lower	Upper
240	100		
120	13.3	8.3	12.5#
236	26.4	20.8	31.2





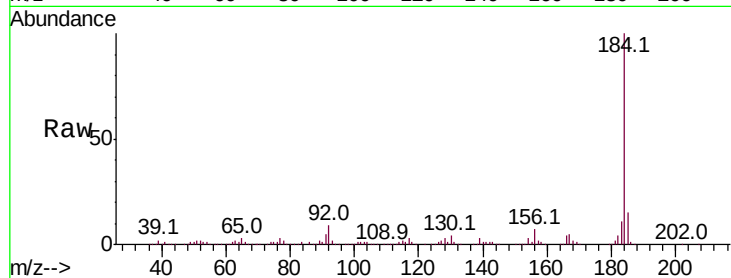
#77
Benzidine
Concen: 30.837 ng
RT: 12.70 min Scan# 1805
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampled :
PB119713BS

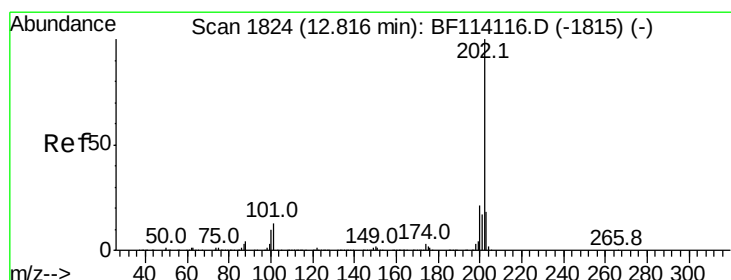
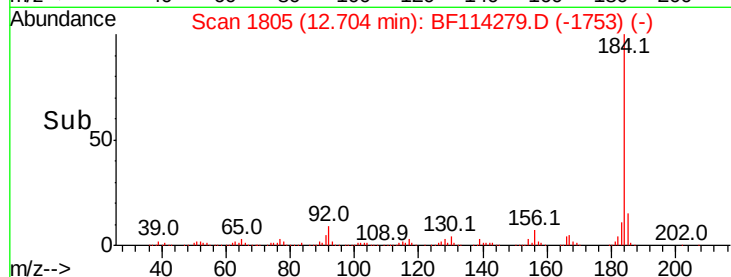
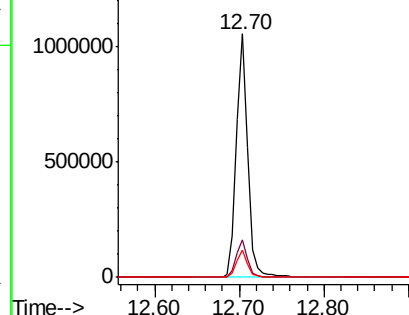
Tot Ion	Ratio	Resp	Lower	Upper
184	100			
185	15.2	13.6	20.4	
183	11.2	9.2	13.8	

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM

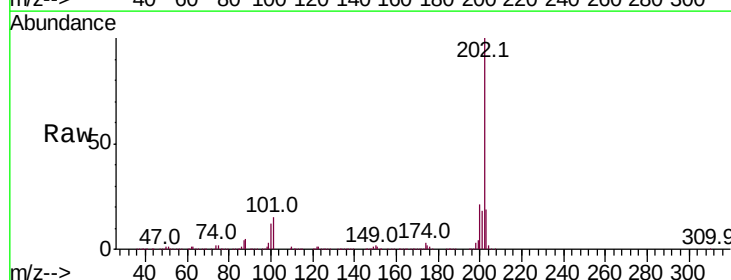


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

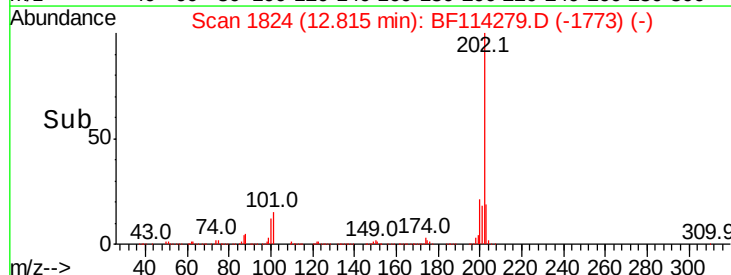
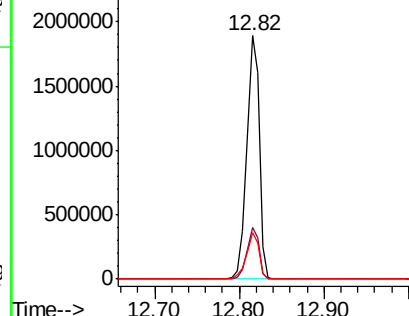


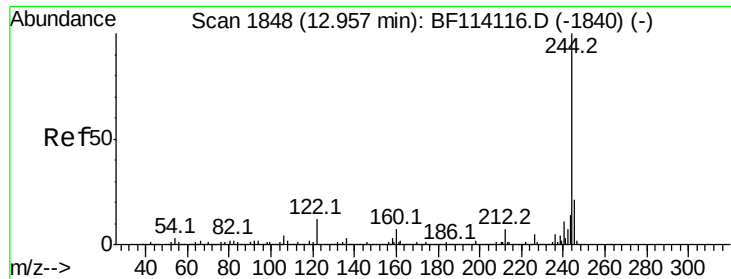
#78
Pyrene
Concen: 33.440 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.0	16.9	25.3	
203	18.8	14.5	21.7	



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: 63.160 ng

RT: 12.96 min Scan# 1848

Delta R.T. -0.00 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion:244 Resp: 2154097

Ion Ratio Lower Upper

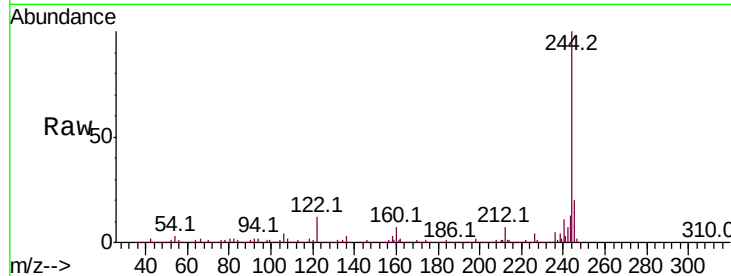
244 100

212 6.8 5.8 8.6

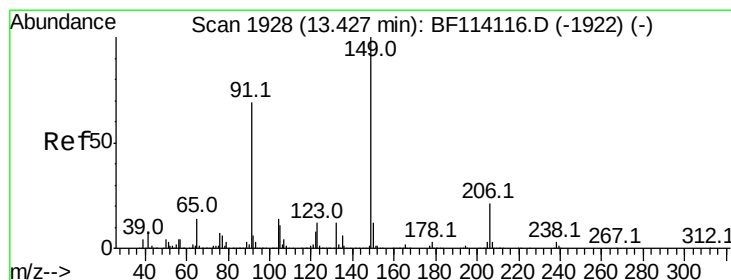
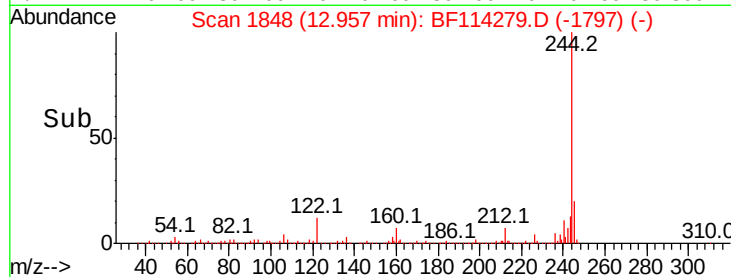
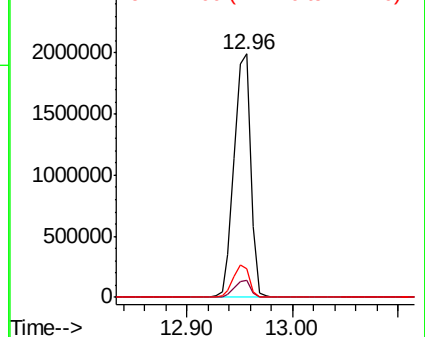
122 11.7 9.4 14.2

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 36.395 ng

RT: 13.42 min Scan# 1927

Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

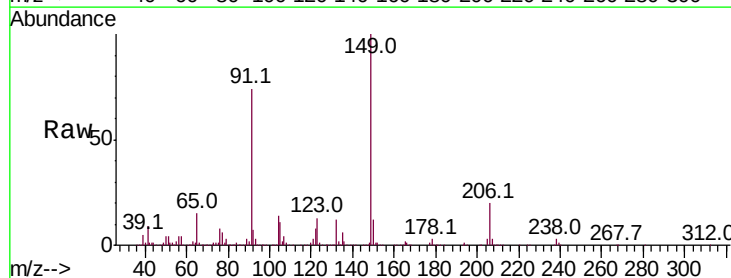
Tgt Ion:149 Resp: 866393

Ion Ratio Lower Upper

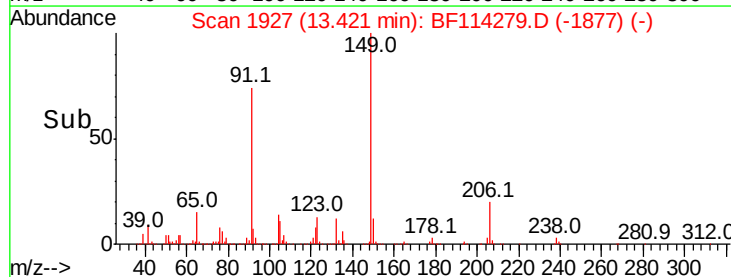
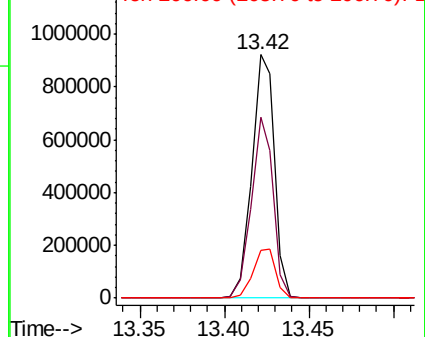
149 100

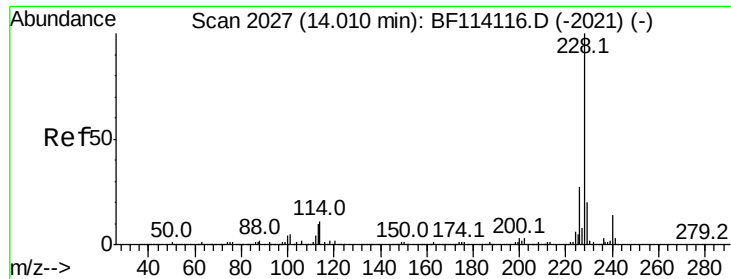
91 74.0 55.0 82.4

206 19.7 16.9 25.3



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 91.00 (90.70 to 91.70): BF1
Ion 206.00 (205.70 to 206.70): E





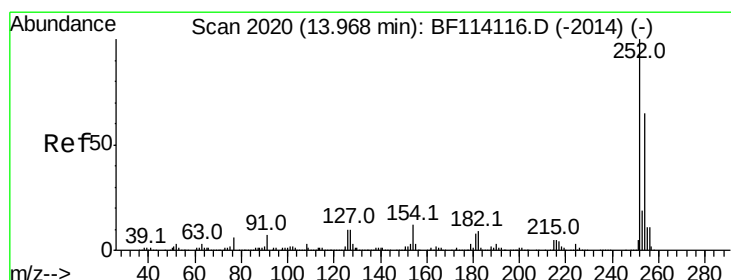
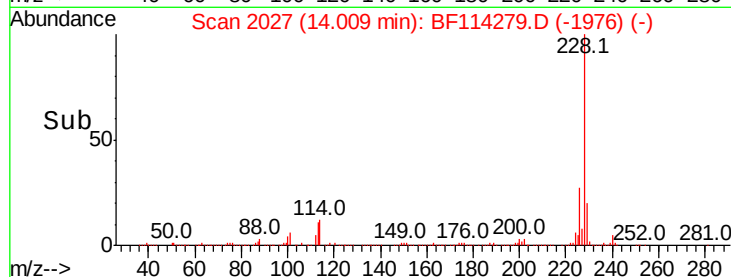
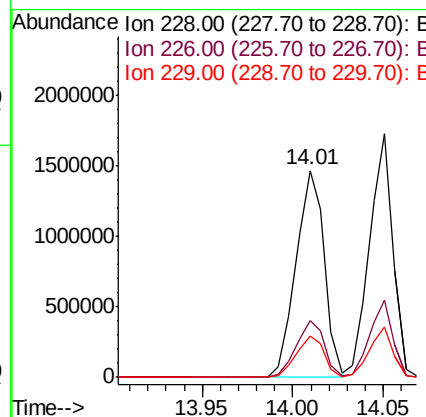
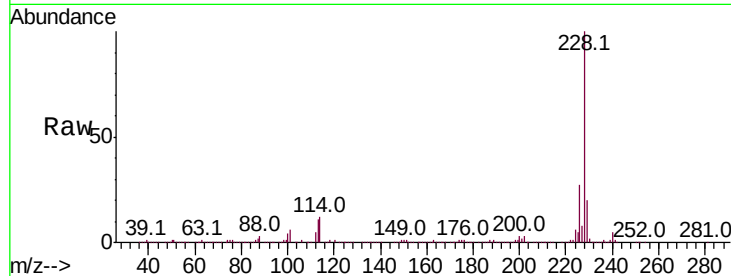
#81
Benzo(a)anthracene
Concen: 35.331 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.2	33.2
229	20.1	16.4	24.6

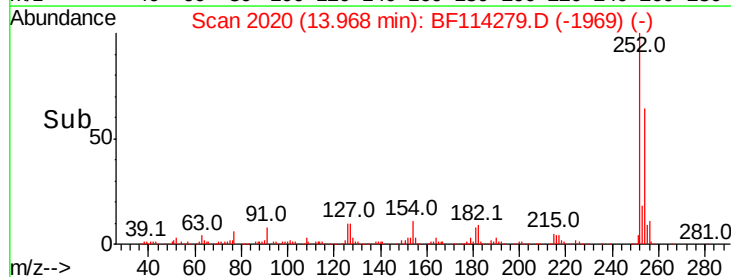
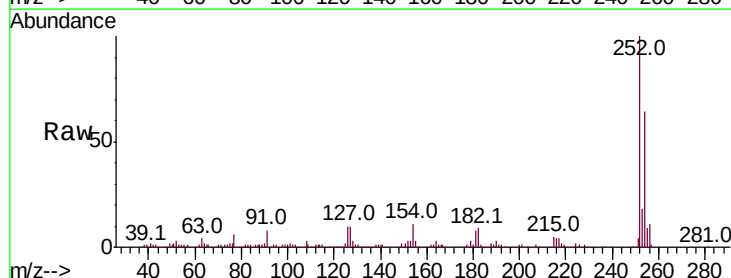
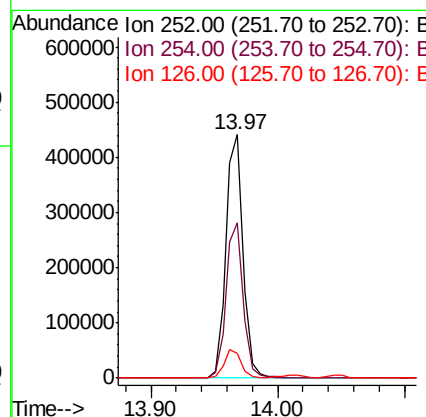
Manual Integrations
APPROVED

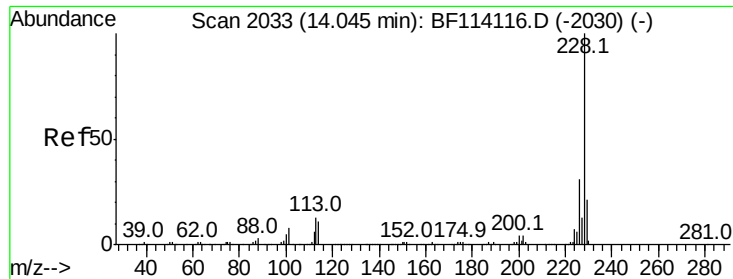
mohammad
5/16/2019 9:50:55 AM



#82
3,3'-Dichlorobenzidine
Concen: 23.658 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.9	77.9
126	9.9	7.9	11.9





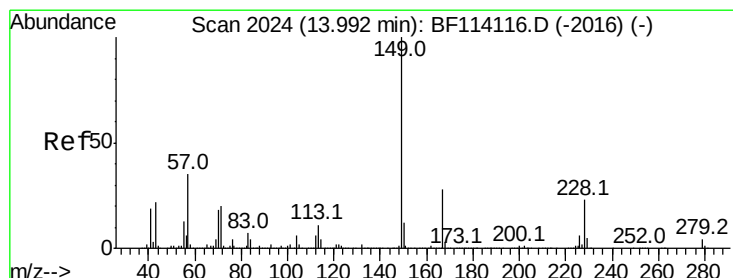
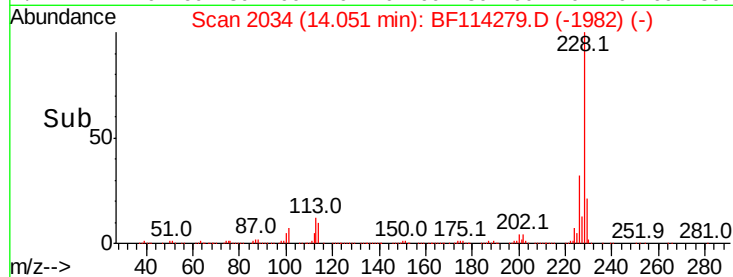
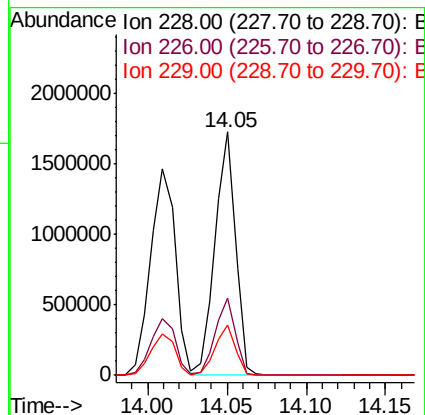
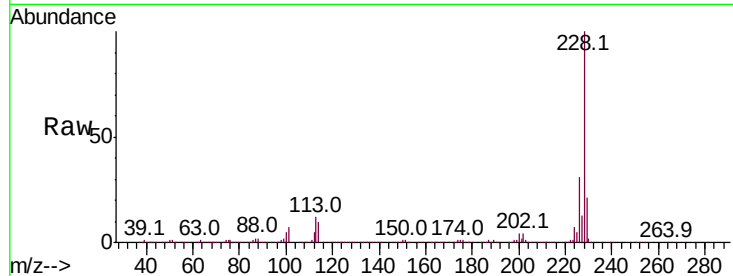
#83
 Chrysene
 Concen: 35.026 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Instrument :
 BNA_F
 ClientSampleId :
 PB119713BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.5	25.0	37.6
229	20.7	17.0	25.6

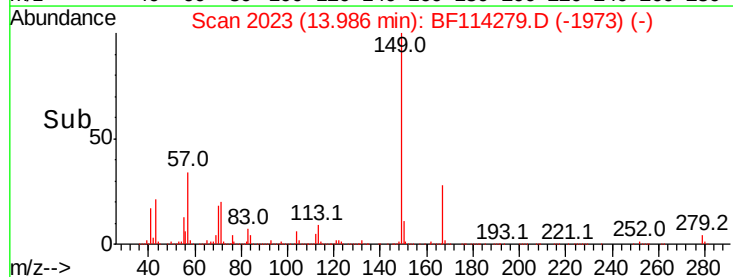
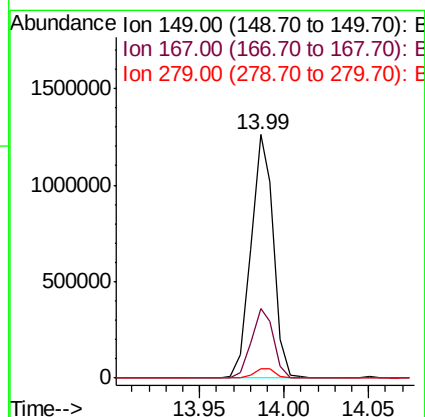
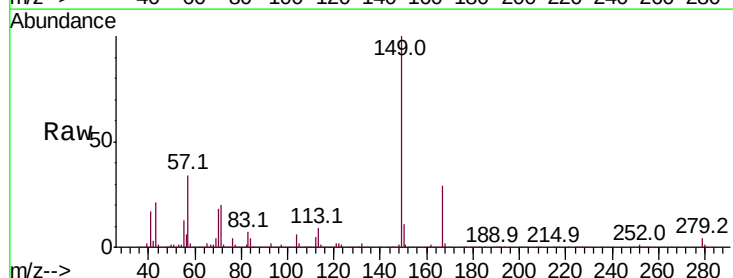
Manual Integrations
 APPROVED

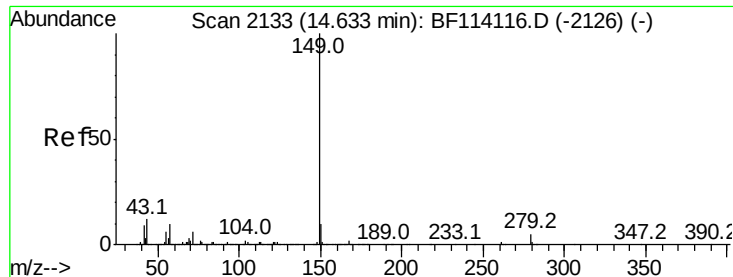
mohammad
 5/16/2019 9:50:55 AM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 37.601 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. -0.01 min
 Lab File: BF114279.D
 Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	22.6	33.8
279	3.7	3.0	4.6





#85

Di-n-octyl phthalate

Concen: 38.649 ng

RT: 14.62 min Scan# 2131

Delta R.T. -0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

ClientSampleId :

PB119713BS

Tot Ion:149 Resp: 1950639

Ion Ratio Lower Upper

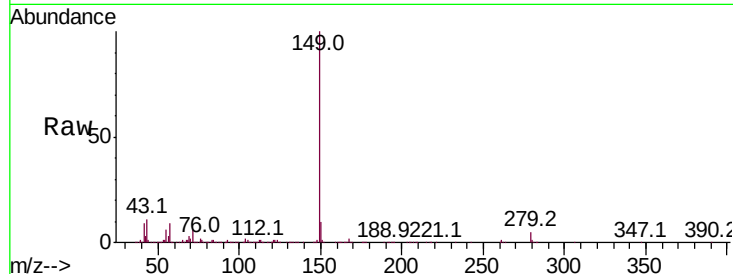
149 100

167 1.6 1.3 1.9

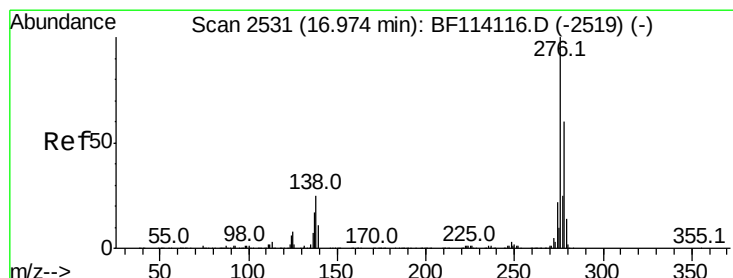
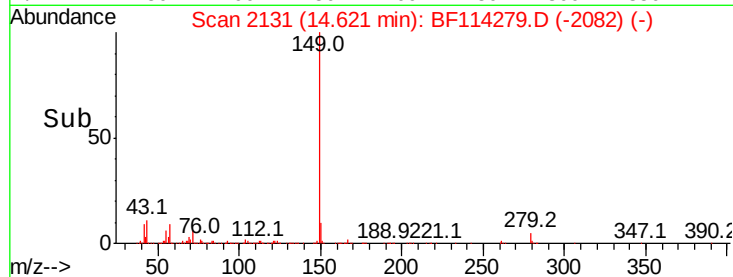
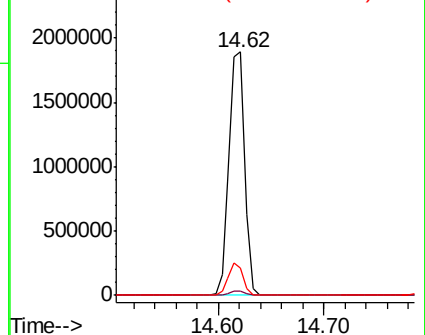
43 12.4 10.1 15.1

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 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: 35.003 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.03 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

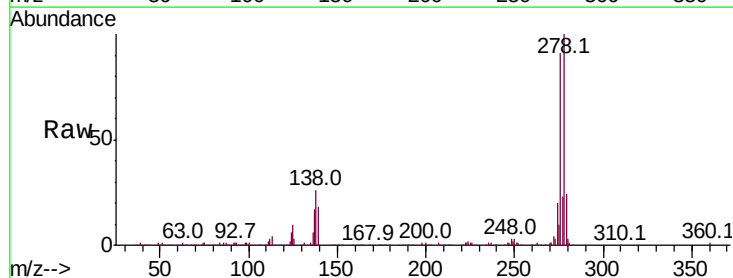
Tgt Ion:276 Resp: 1378977

Ion Ratio Lower Upper

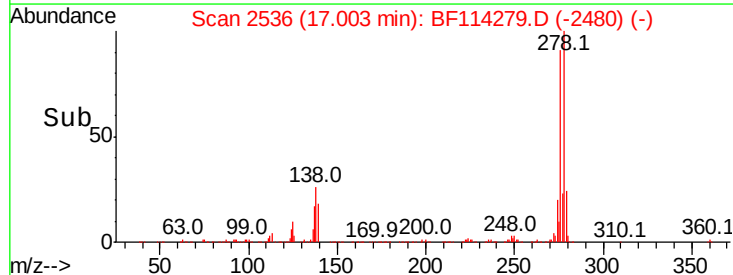
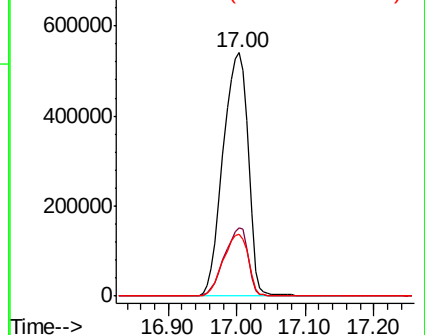
276 100

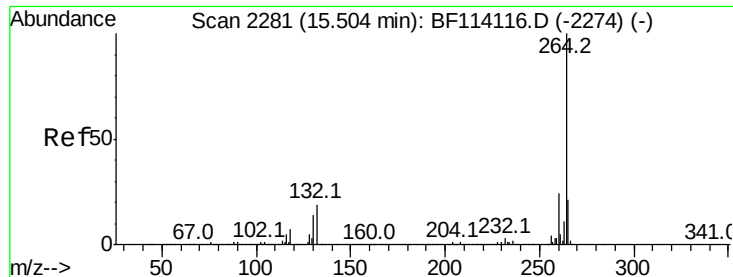
138 26.6 20.2 30.2

277 25.2 20.0 30.0



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: 15.51 min Scan# 2282

Delta R.T. 0.01 min

Lab File: BF114279.D

Acq: 15 May 2019 12:27

Instrument :

BNA_F

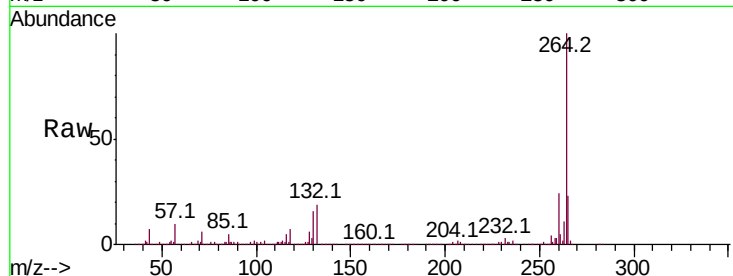
ClientSampleId :

PB119713BS

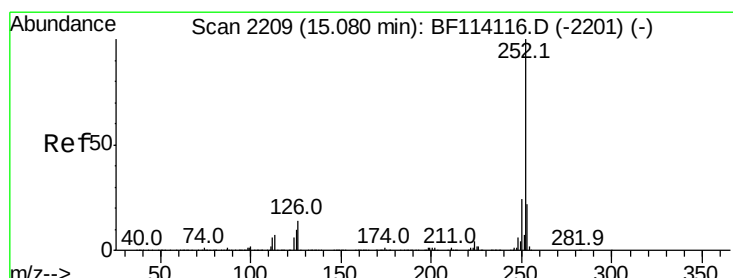
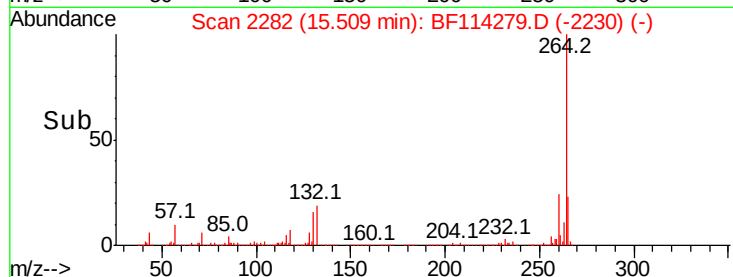
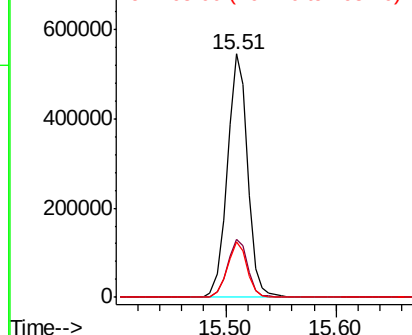
Tot Ion:	264	Resp:	700592
Ion Ratio	Lower	Upper	
264	100		
260	24.0	19.4	29.0
265	22.9	16.9	25.3

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 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: 37.013 ng

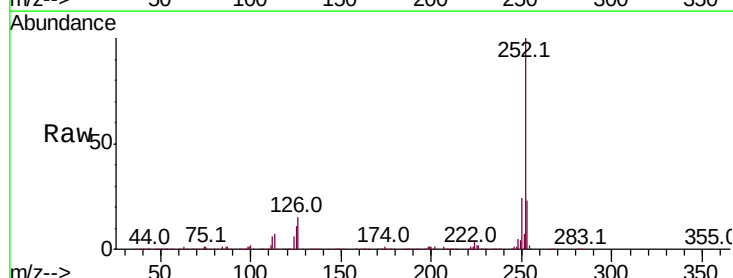
RT: 15.08 min Scan# 2209

Delta R.T. -0.00 min

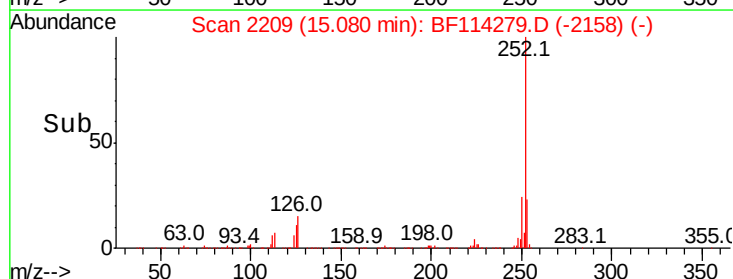
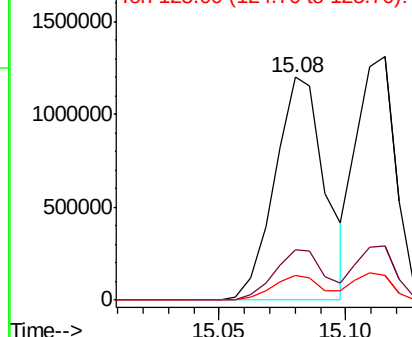
Lab File: BF114279.D

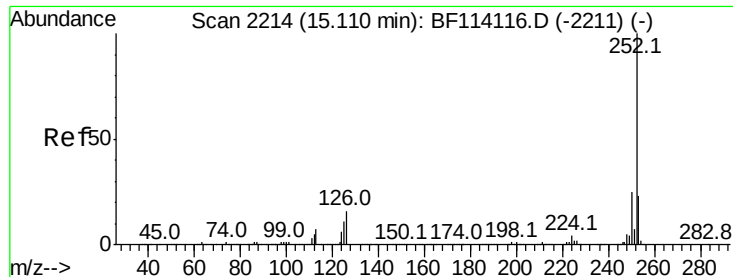
Acq: 15 May 2019 12:27

Tgt Ion:	252	Resp:	1661289
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.8	26.8
125	11.0	8.3	12.5



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





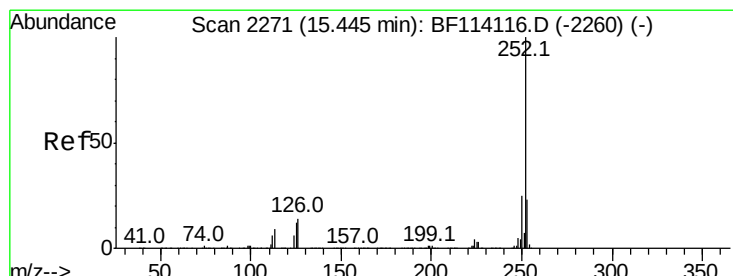
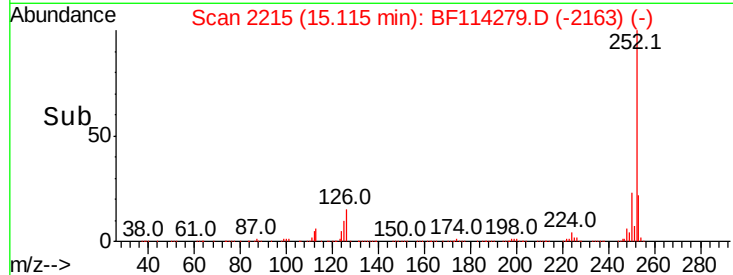
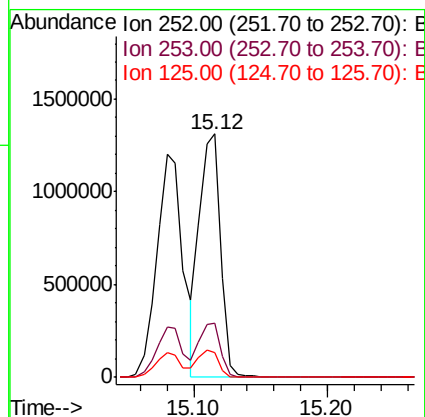
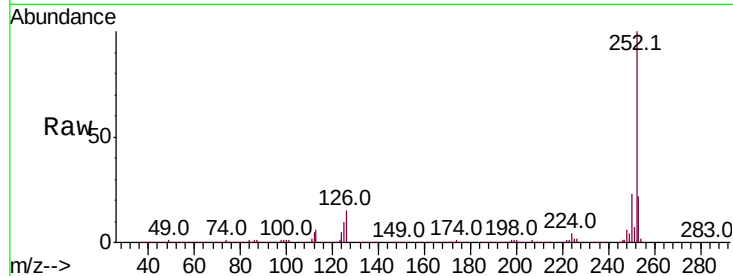
#89
Benzo(k)fluoranthene
Concen: 34.531 ng
RT: 15.12 min Scan# 2215
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.2	27.2
125	10.0	8.6	13.0

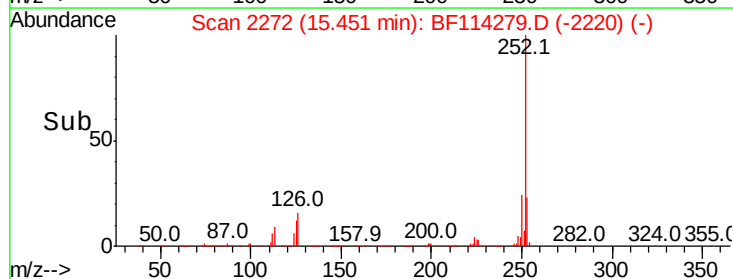
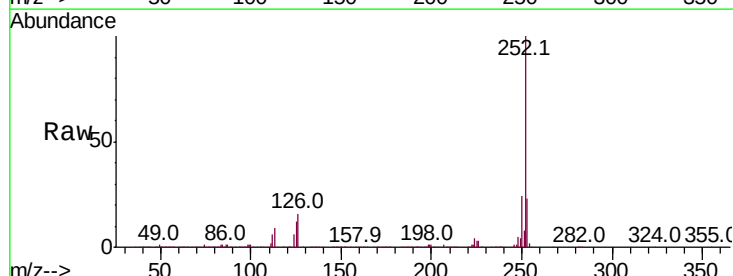
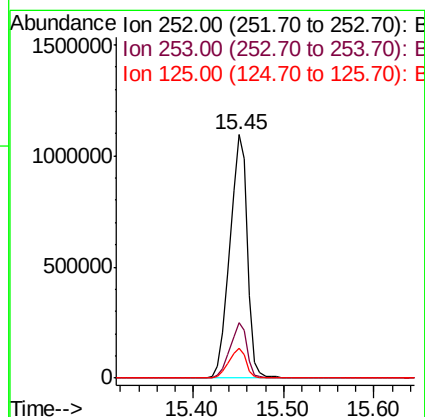
Manual Integrations
APPROVED

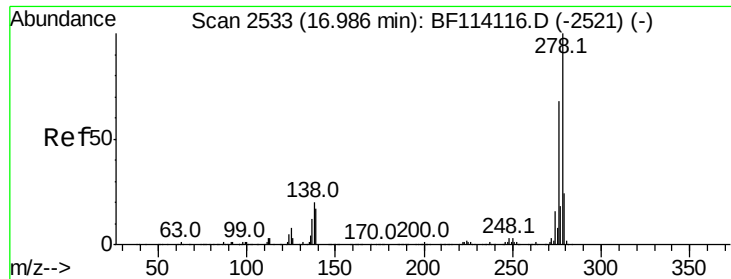
mohammad
5/16/2019 9:50:55 AM



#90
Benzo(a)pyrene
Concen: 37.359 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	12.2	9.5	14.3





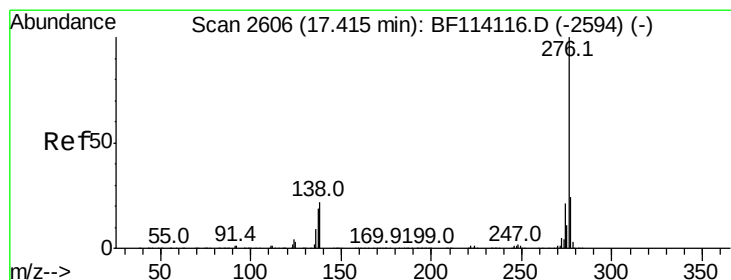
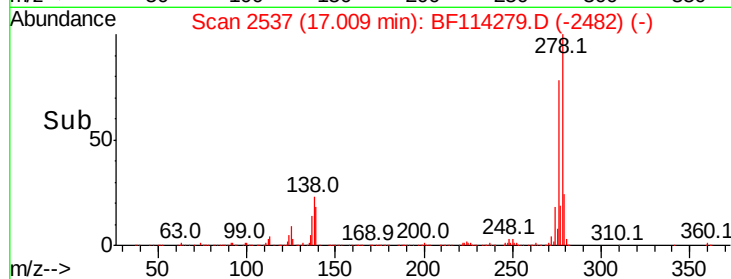
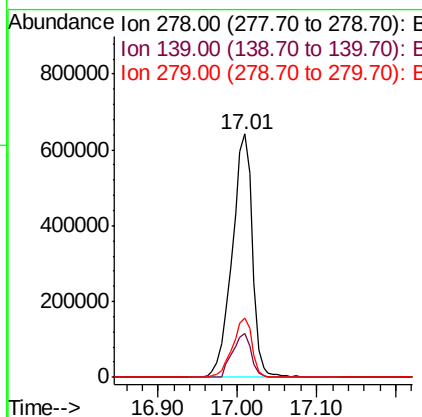
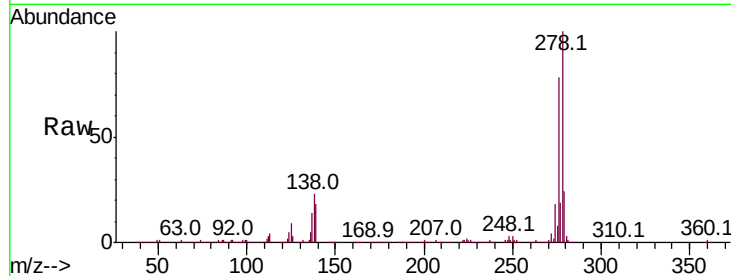
#91
Dibenzo(a,h)anthracene
Concen: 34.573 ng
RT: 17.01 min Scan# 2537
Delta R.T. 0.02 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Instrument :
BNA_F
ClientSampleId :
PB119713BS

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.8	13.5	20.3
279	24.2	19.0	28.6

Manual Integrations
APPROVED

mohammad
5/16/2019 9:50:55 AM



#92
Benzo(g,h,i)perylene
Concen: 34.968 ng
RT: 17.44 min Scan# 2611
Delta R.T. 0.03 min
Lab File: BF114279.D
Acq: 15 May 2019 12:27

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	22.2	17.8	26.6

