

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081419\
 Data File : BF116267.D
 Acq On : 14 Aug 2019 18:00
 Operator : HP/JU
 Sample : K4089-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:41:52 AM

Quant Time: Aug 14 18:44:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	171666	20.00	ng	-0.02
21) Naphthalene-d8	8.10	136	688654	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	364130	20.00	ng	-0.02
64) Phenanthrene-d10	11.35	188	617139	20.00	ng	-0.02
76) Chrysene-d12	13.99	240	418205	20.00	ng	-0.02
87) Perylene-d12	15.45	264	364313	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1176965	114.78	ng	0.01
7) Phenol-d6	6.47	99	1414608	109.34	ng	-0.01
23) Nitrobenzene-d5	7.40	82	1092233	91.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	421937	119.52	ng	-0.02
45) 2-Fluorobiphenyl	9.18	172	1756307	90.34	ng	-0.02
79) Terphenyl-d14	12.93	244	1792057	90.29	ng	-0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	2.82	88	173289	33.451	ng	# 85
3) Pyridine	3.54	79	287193	19.846	ng	99
4) n-Nitrosodimethylamine	3.46	42	208817	36.565	ng	98
6) Aniline	6.50	93	195541	10.554	ng	# 81
8) 2-Chlorophenol	6.62	128	468621	41.327	ng	99
9) Benzaldehyde	6.39	77	115268	12.912	ng	97
10) Phenol	6.49	94	507865	33.334	ng	83
11) bis(2-Chloroethyl)ether	6.57	93	486928	43.470	ng	99
12) 1,3-Dichlorobenzene	6.77	146	486752	37.143	ng	99
13) 1,4-Dichlorobenzene	6.85	146	496254	37.820	ng	98
14) 1,2-Dichlorobenzene	7.00	146	449745	37.224	ng	98
15) Benzyl Alcohol	6.97	79	369445	37.628	ng	98
16) 2,2'-oxybis(1-Chloropropan	7.10	45	613608	40.161	ng	69
17) 2-Methylphenol	7.09	107	394978	41.137	ng	# 93
18) Hexachloroethane	7.33	117	185554	38.409	ng	98
19) n-Nitroso-di-n-propylamine	7.25	70	342580	42.730	ng	99
20) 3+4-Methylphenols	7.25	107	489360	43.069	ng	95
22) Acetophenone	7.24	105	669344	44.318	ng	96
24) Nitrobenzene	7.42	77	572293	44.426	ng	96
25) Isophorone	7.65	82	1014635	44.477	ng	99
26) 2-Nitrophenol	7.73	139	276303	45.502	ng	98
27) 2,4-Dimethylphenol	7.77	122	431276	47.208	ng	99
28) bis(2-Chloroethoxy)methane	7.86	93	623674	44.108	ng	99
29) 2,4-Dichlorophenol	7.97	162	432401	44.827	ng	99
30) 1,2,4-Trichlorobenzene	8.05	180	457730	41.628	ng	99
31) Naphthalene	8.13	128	1401124	43.236	ng	100
32) Benzoic acid	7.93	122	268107	41.625	ng	96
33) 4-Chloroaniline	8.20	127	88489	6.111	ng	97
34) Hexachlorobutadiene	8.25	225	254100	40.120	ng	99
35) Caprolactam	8.57	113	86715m	27.795	ng	
36) 4-Chloro-3-methylphenol	8.67	107	418985	41.752	ng	99
37) 2-Methylnaphthalene	8.82	142	934393	43.781	ng	99
38) 1-Methylnaphthalene	8.92	142	870891	43.133	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.99	216	429744	44.146	ng	99

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081419\
 Data File : BF116267.D
 Acq On : 14 Aug 2019 18:00
 Operator : HP/JU
 Sample : K4089-02MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

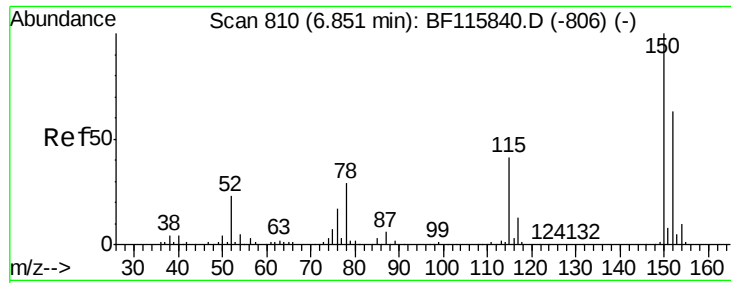
Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:41:52 AM

Quant Time: Aug 14 18:44:28 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	280275	65.308	nq	99
43) 2,4,6-Trichlorophenol	9.10	196	268222	40.030	nq	100
44) 2,4,5-Trichlorophenol	9.16	196	271290	39.168	nq	98
46) 1,1'-Biphenyl	9.28	154	1129842	43.950	nq	99
47) 2-Chloronaphthalene	9.31	162	890421	41.616	nq	100
48) 2-Nitroaniline	9.41	65	247287	34.966	nq	92
49) Acenaphthylene	9.72	152	1272578	40.768	nq	99
50) Dimethylphthalate	9.59	163	1059956	42.752	nq	99
51) 2,6-Dinitrotoluene	9.65	165	222767	41.345	nq #	84
52) Acenaphthene	9.90	154	791057	41.308	nq	100
53) 3-Nitroaniline	9.83	138	64764	9.728	nq	99
54) 2,4-Dinitrophenol	9.95	184	205859	75.596	nq	99
55) Dibenzofuran	10.07	168	1086377	39.010	nq	99
56) 4-Nitrophenol	10.00	139	235383	55.192	nq	98
57) 2,4-Dinitrotoluene	10.06	165	259199	36.132	nq #	88
58) Fluorene	10.41	166	876260	40.896	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.19	232	241833	41.501	nq	99
60) Diethylphthalate	10.28	149	953374	41.187	nq	99
61) 4-Chlorophenyl-phenylether	10.40	204	455643	41.989	nq	99
62) 4-Nitroaniline	10.45	138	176127	25.599	nq	98
63) Azobenzene	10.56	77	981084	41.207	nq	99
65) 4,6-Dinitro-2-methylphenol	10.48	198	146796	44.886	nq	96
66) n-Nitrosodiphenylamine	10.52	169	719748	38.748	nq	99
67) 4-Bromophenyl-phenylether	10.89	248	279729	42.342	nq	98
68) Hexachlorobenzene	10.97	284	304461	39.854	nq #	91
69) Atrazine	11.05	200	169819	27.790	nq	99
70) Pentachlorophenol	11.16	266	275405	74.256	nq	99
71) Phenanthrene	11.37	178	1272658	40.338	nq	99
72) Anthracene	11.43	178	1311422	41.072	nq	99
73) Carbazole	11.58	167	1090084	37.631	nq	99
74) Di-n-butylphthalate	11.90	149	1459010	43.176	nq	100
75) Fluoranthene	12.56	202	1299358	39.340	nq	97
78) Pyrene	12.79	202	1323679	41.988	nq	99
80) Butylbenzylphthalate	13.39	149	618492	46.380	nq	94
81) Benzo(a)anthracene	13.98	228	1082806	40.509	nq	100
82) 3,3'-Dichlorobenzidine	13.94	252	76200	8.205	nq	98
83) Chrysene	14.02	228	1069543	41.214	nq	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	872223	50.333	nq	98
85) Di-n-octyl phthalate	14.56	149	1338225	48.619	nq	99
86) Indeno(1,2,3-cd)pyrene	16.92	276	861512	39.526	nq	100
88) Benzo(b)fluoranthene	15.03	252	906466	43.032	nq	100
89) Benzo(k)fluoranthene	15.05	252	867190	42.266	nq	98
90) Benzo(a)pyrene	15.39	252	817925	43.436	nq	99
91) Dibenzo(a,h)anthracene	16.92	278	727367	44.624	nq	98
92) Benzo(g,h,i)perylene	17.36	276	713205	44.553	nq	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

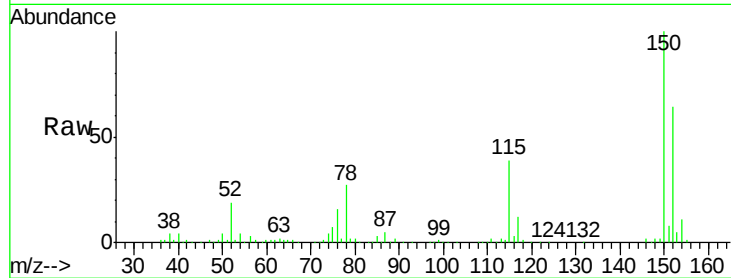
ClientSampleId :

OK-03-081219MSD

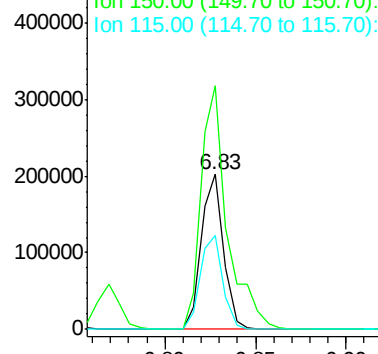
Tot Ion:	152	Resp:	171666
Ion Ratio	Lower	Upper	
152	100		
150	157.3	126.2	189.2
115	61.0	49.9	74.9

Manual Integrations
APPROVED

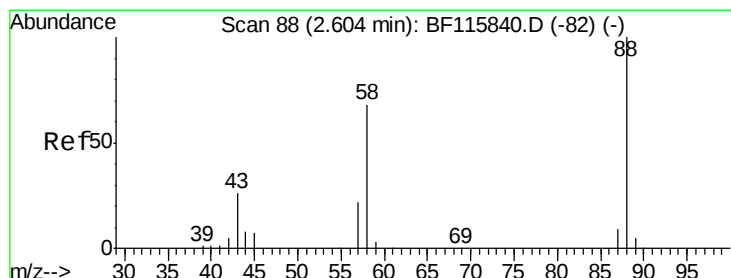
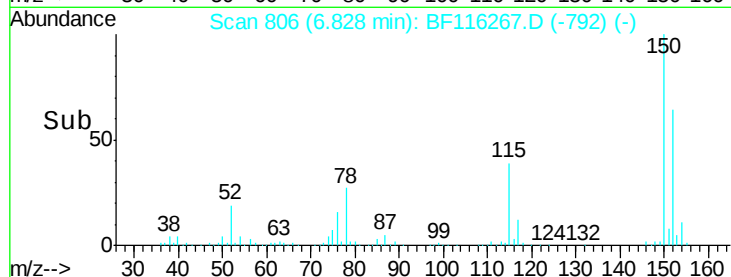
mohammad
8/19/2019 10:41:52 AM



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



Time-->



#2

1,4-Dioxane

Concen: 33.451 ng

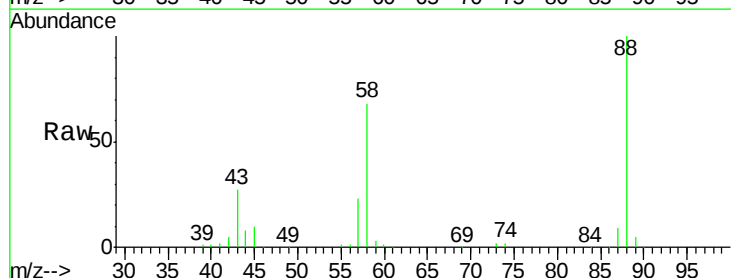
RT: 2.82 min Scan# 125

Delta R.T. 0.21 min

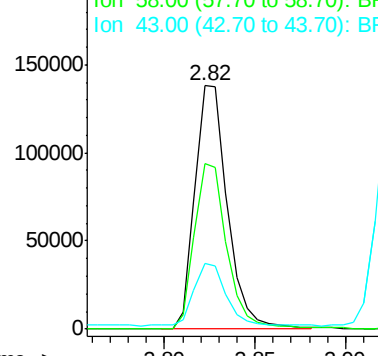
Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

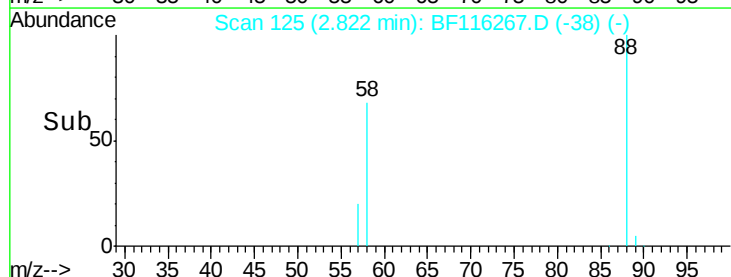
Tgt Ion:	88	Resp:	173289
Ion Ratio	Lower	Upper	
88	100		
58	67.9	53.7	80.5
43	0.0	21.0	31.4#

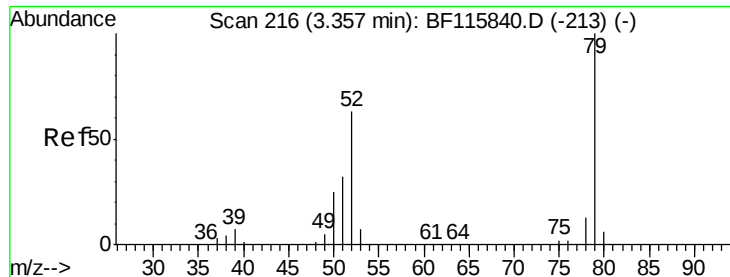


Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1



Time-->





#3

Pvridine

Concen: 19.846 ng

RT: 3.54 min Scan# 247

Delta R.T. 0.18 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

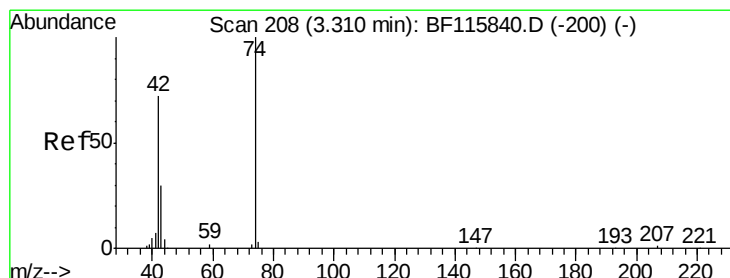
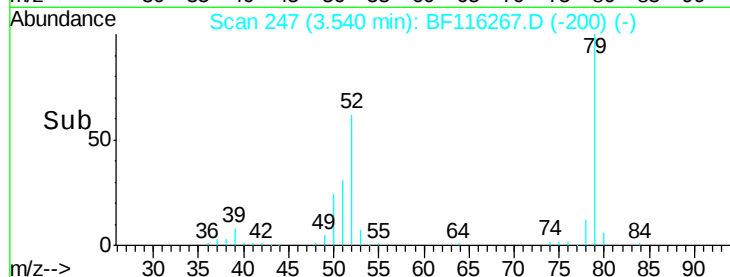
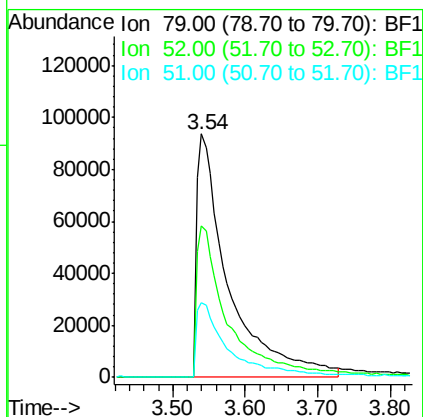
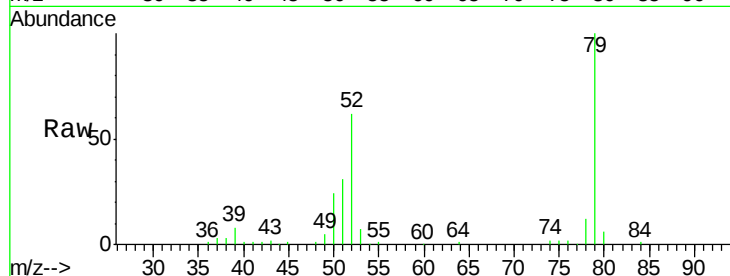
ClientSampleId :

OK-03-081219MSD

Tot Ion:	79	Resp:	287193
Ion Ratio	Lower	Upper	
79	100		
52	62.0	49.8	74.8
51	30.9	25.2	37.8

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#4

n-Nitrosodimethylamine

Concen: 36.565 ng

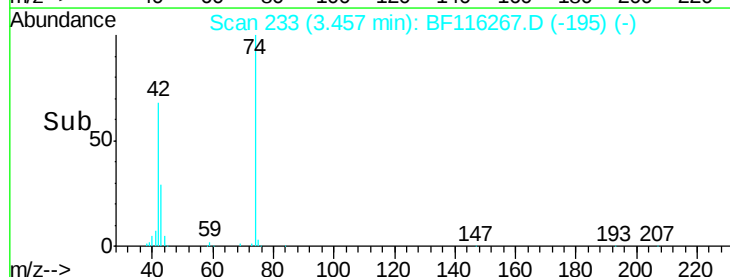
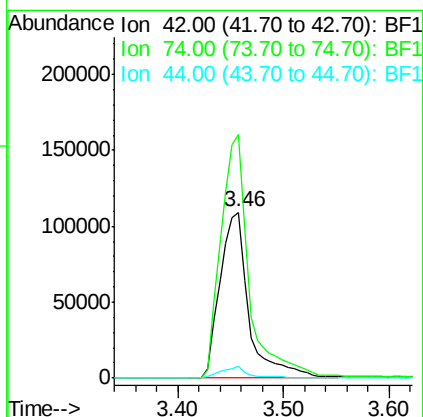
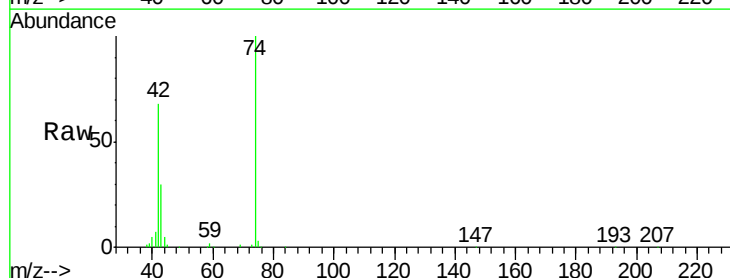
RT: 3.46 min Scan# 233

Delta R.T. 0.12 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Tgt Ion:	42	Resp:	208817
Ion Ratio	Lower	Upper	
42	100		
74	146.9	116.0	174.0
44	6.9	4.6	7.0





#5

2-Fluorophenol

Concen: 114.776 ng

RT: 5.48 min Scan# 577

Delta R.T. 0.01 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

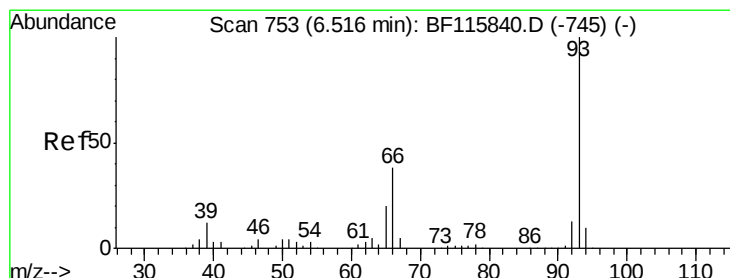
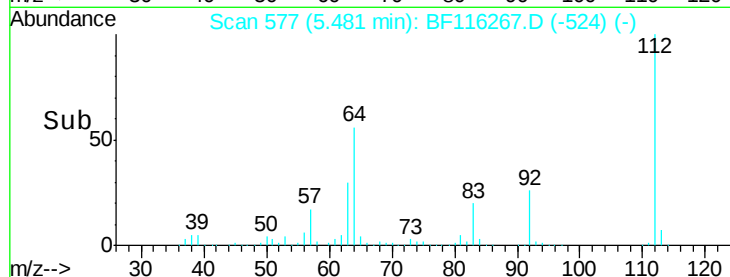
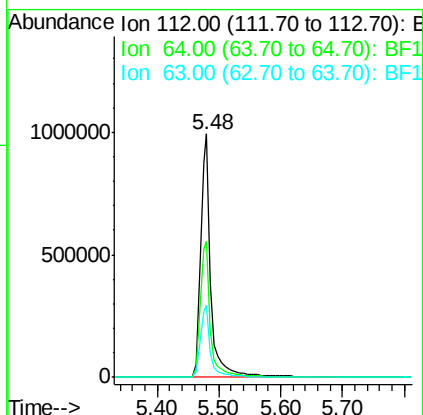
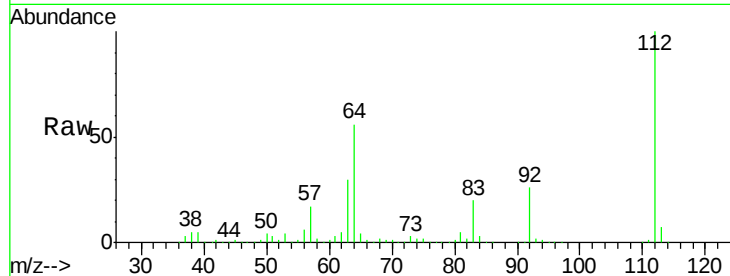
ClientSampleId :

OK-03-081219MSD

Tot Ion:	112	Resp:	1176965
Ion	Ratio	Lower	Upper
112	100		
64	56.0	45.4	68.2
63	29.5	23.7	35.5

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#6

Aniline

Concen: 10.554 ng

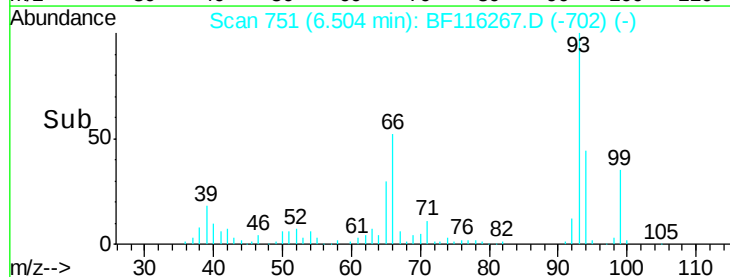
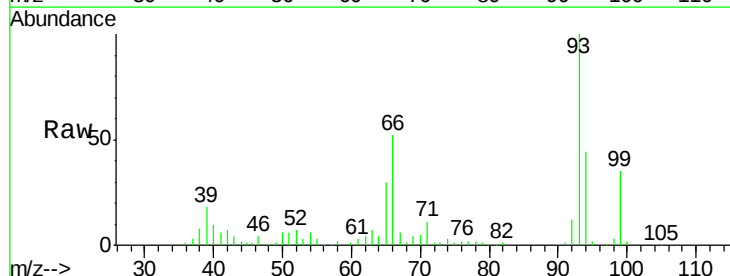
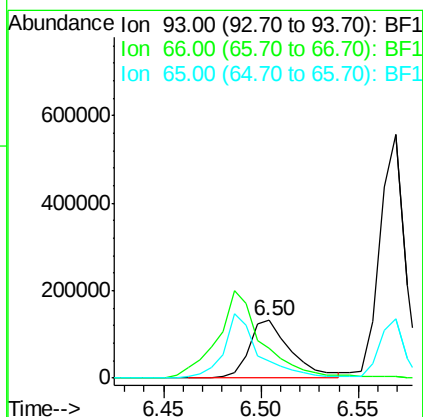
RT: 6.50 min Scan# 751

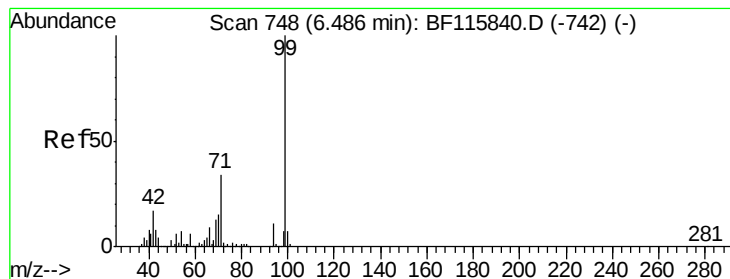
Delta R.T. -0.01 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Tgt Ion:	93	Resp:	195541
Ion	Ratio	Lower	Upper
93	100		
66	52.4	32.2	48.4#
65	29.8	17.0	25.6#





#7

Phenol-d6

Concen: 109.339 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

ClientSampleId :

OK-03-081219MSD

Tot Ion: 99 Resp: 1414608

Ion Ratio Lower Upper

99 100

42 17.3 13.8 20.8

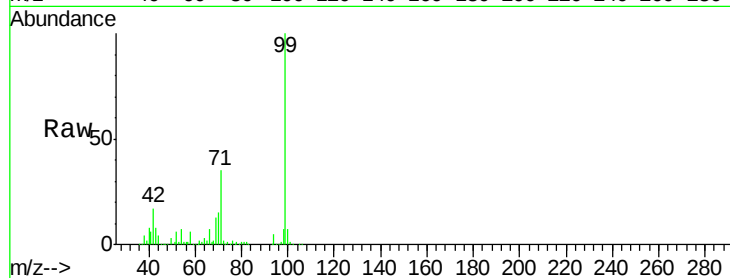
71 35.0 27.3 40.9

Manual Integrations

APPROVED

mohammad

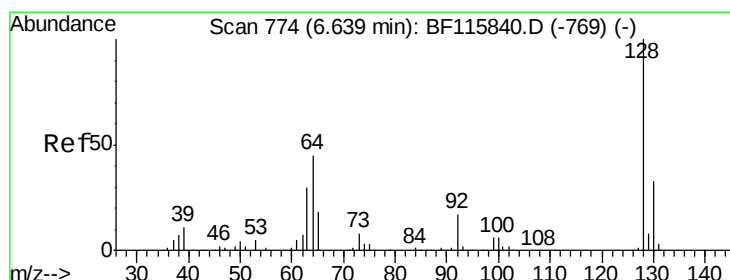
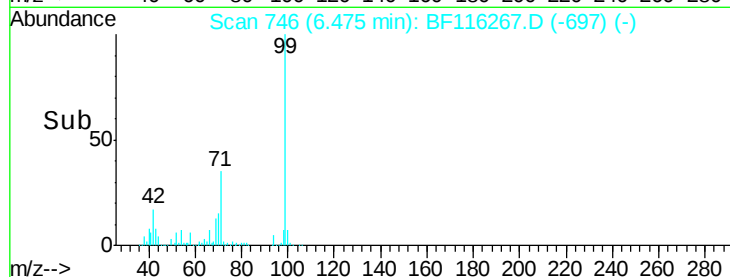
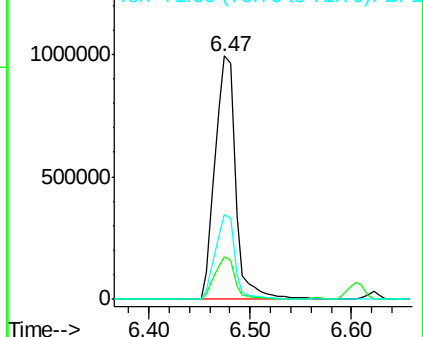
8/19/2019 10:41:52 AM



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.327 ng

RT: 6.62 min Scan# 771

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

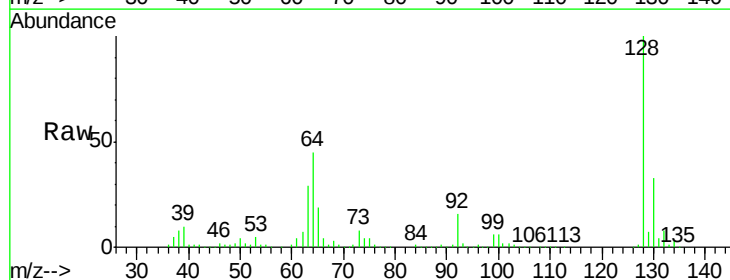
Tgt Ion: 128 Resp: 468621

Ion Ratio Lower Upper

128 100

130 32.9 12.9 52.9

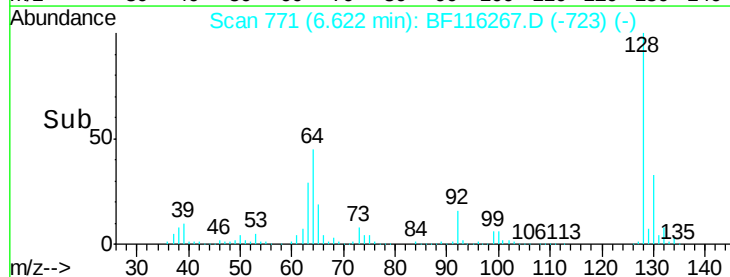
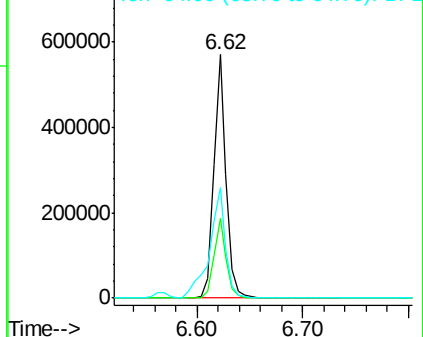
64 45.3 24.3 64.3



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 12.912 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

ClientSampleID :

OK-03-081219MSD

Tot Ion: 77 Resp: 115268

Ion Ratio Lower Upper

77 100

105 94.7 79.2 119.2

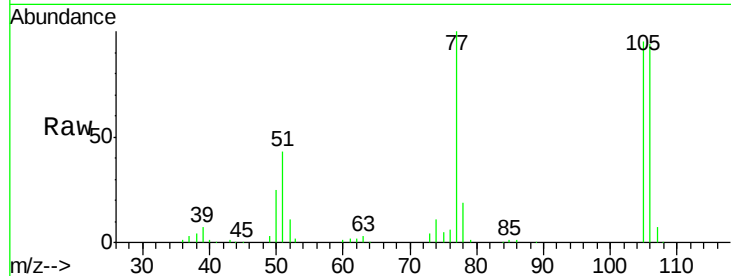
106 93.7 74.3 114.3

Manual Integrations

APPROVED

mohammad

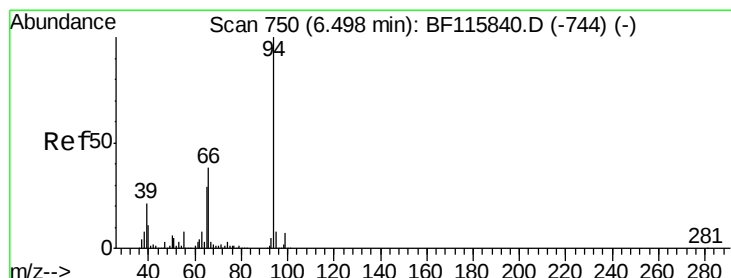
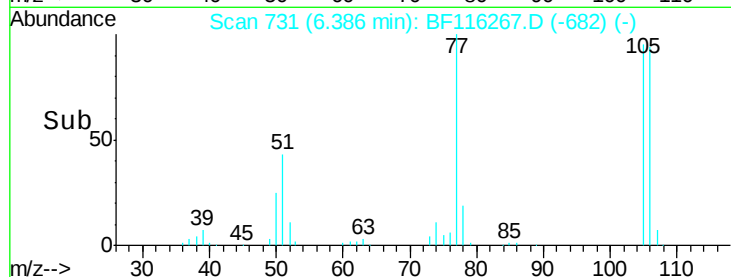
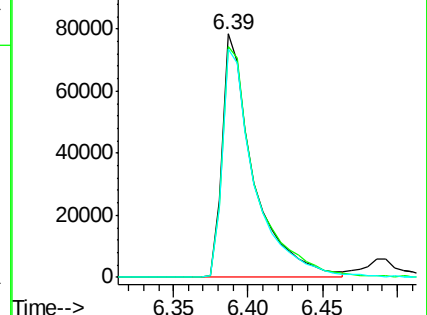
8/19/2019 10:41:52 AM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 33.334 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

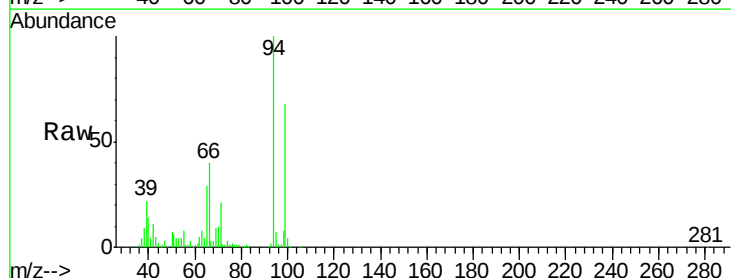
Tgt Ion: 94 Resp: 507865

Ion Ratio Lower Upper

94 100

65 29.5 16.8 56.8

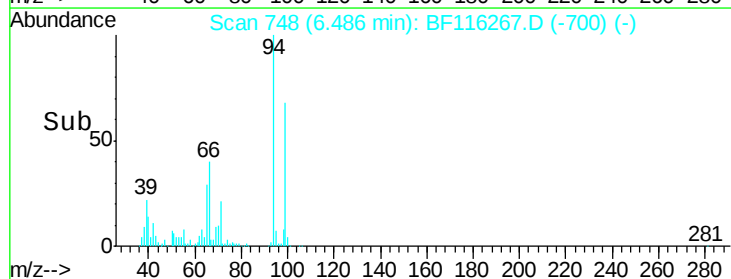
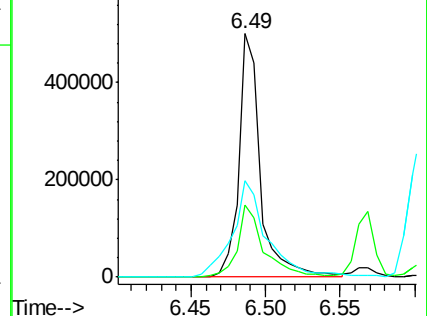
66 39.7 34.2 74.2

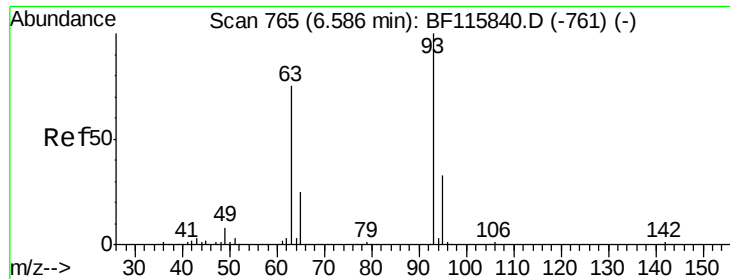


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





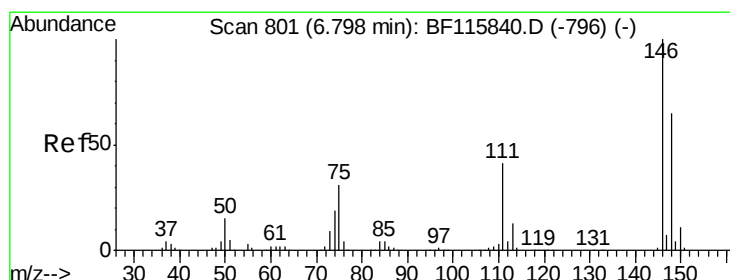
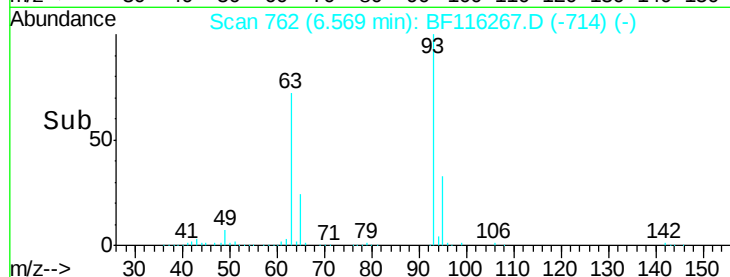
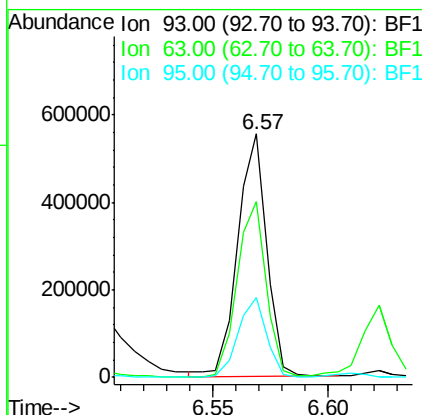
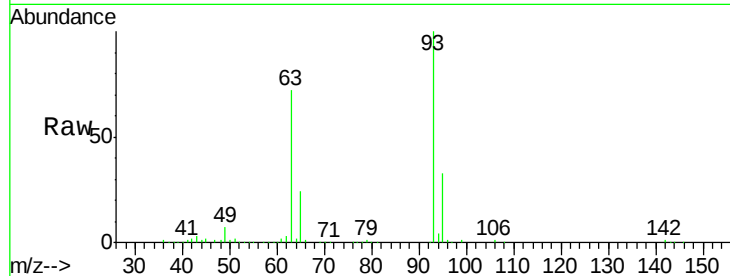
#11
bis(2-Chloroethyl)ether
Concen: 43.470 ng
RT: 6.57 min Scan# 762
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion:	93	Resp:	486928
Ion Ratio	Lower	Upper	
93	100		
63	72.4	51.9	91.9
95	32.5	13.0	53.0

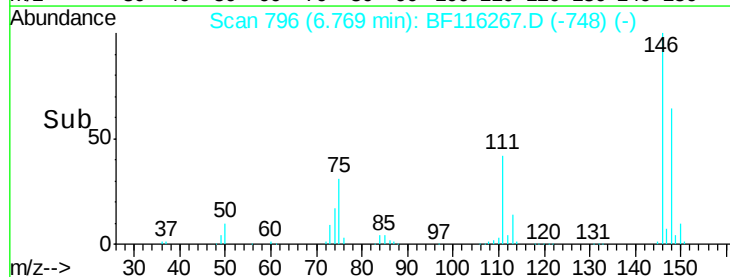
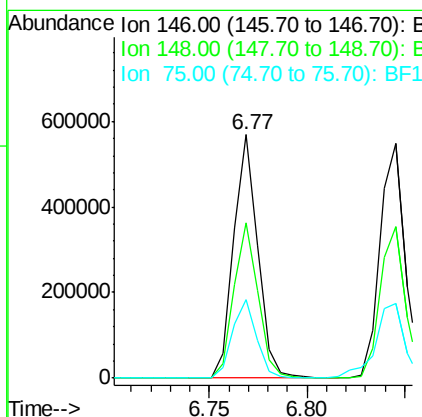
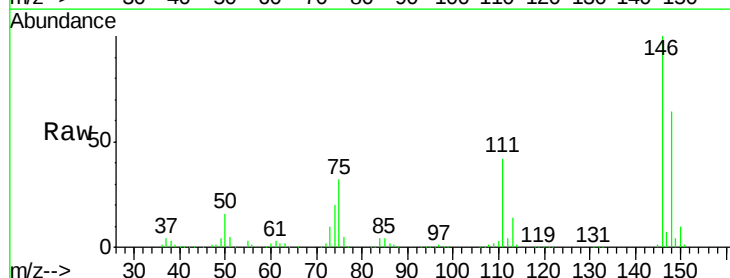
Manual Integrations
APPROVED

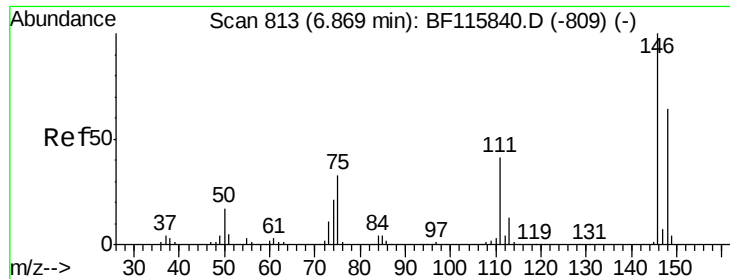
mohammad
8/19/2019 10:41:52 AM



#12
1,3-Dichlorobenzene
Concen: 37.143 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion:	146	Resp:	486752
Ion Ratio	Lower	Upper	
146	100		
148	63.9	51.3	76.9
75	32.4	27.4	41.2





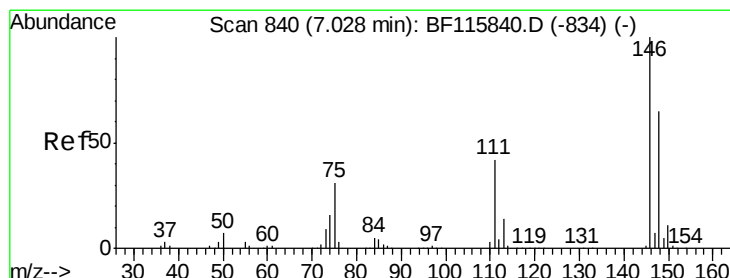
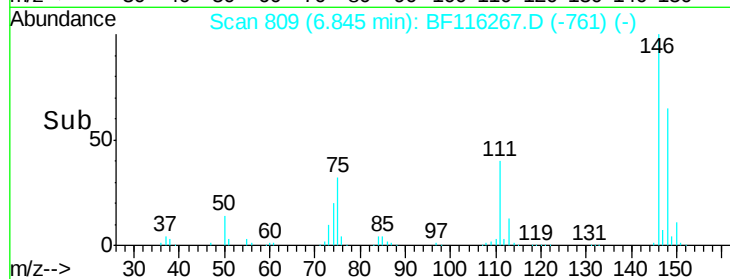
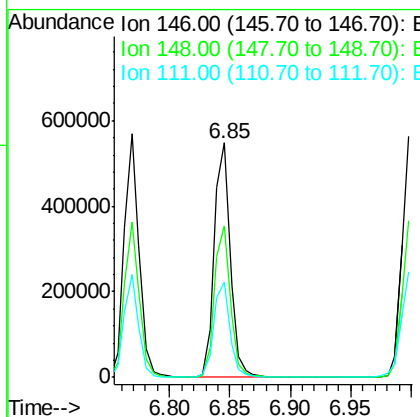
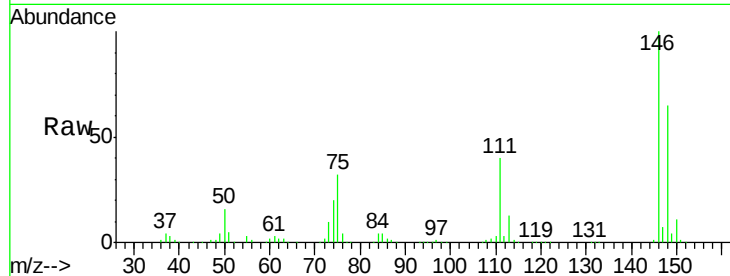
#13
1,4-Dichlorobenzene
Concen: 37.820 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	40.5	34.0	51.0

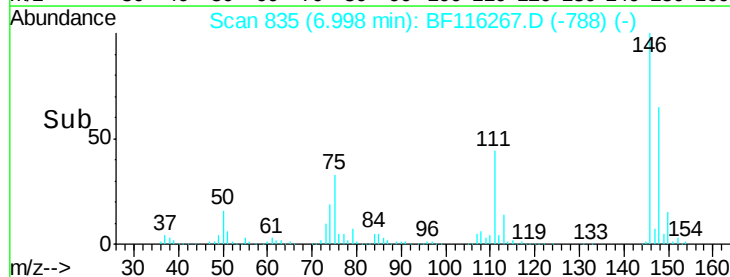
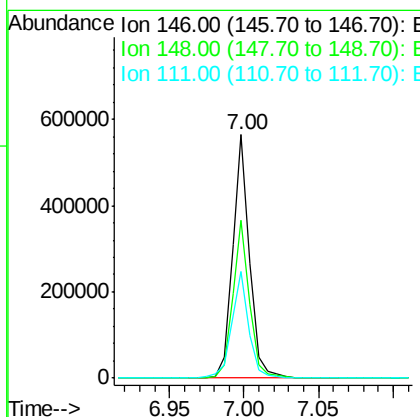
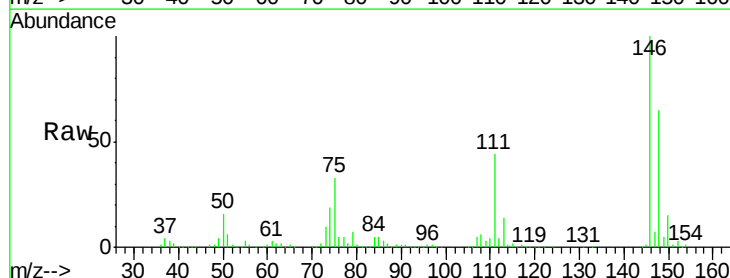
Manual Integrations
APPROVED

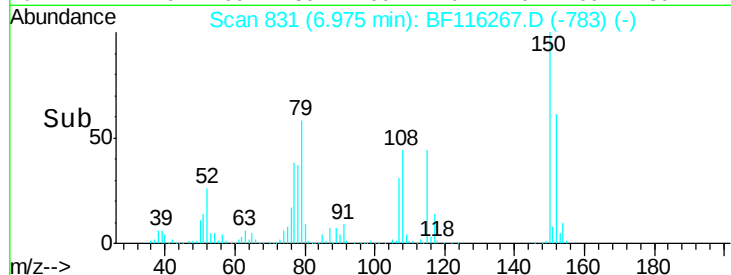
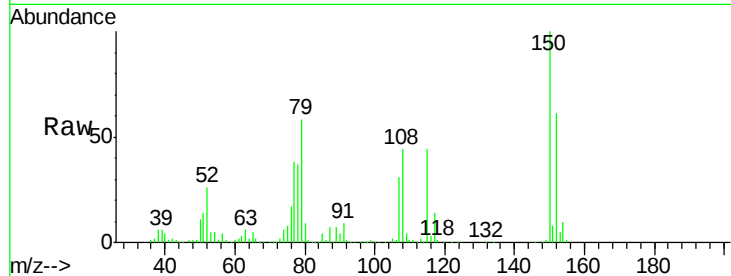
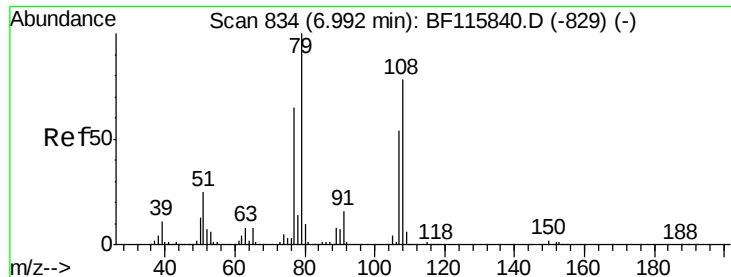
mohammad
8/19/2019 10:41:52 AM



#14
1,2-Dichlorobenzene
Concen: 37.224 ng
RT: 7.00 min Scan# 835
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.2	76.8
111	43.6	33.5	50.3





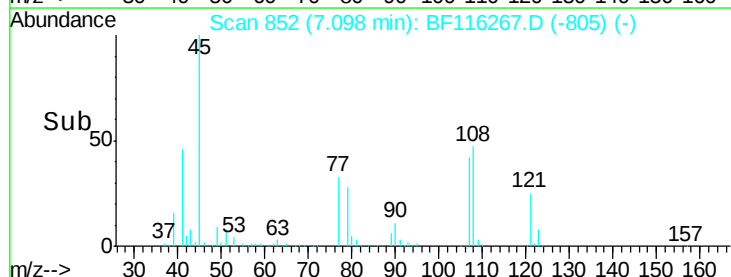
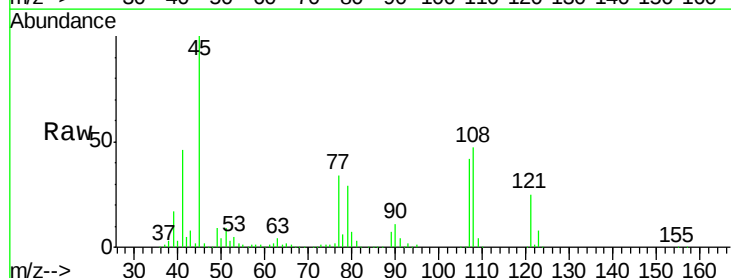
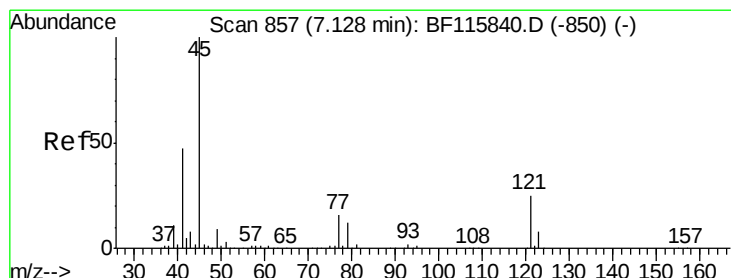
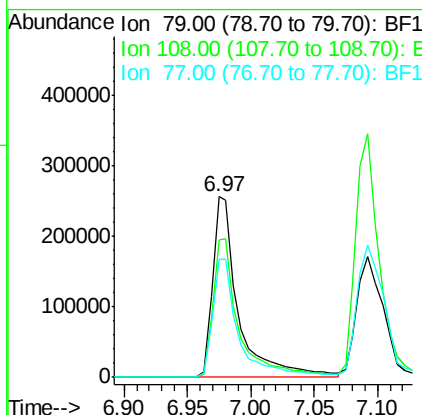
#15
Benzyl Alcohol
Concen: 37.628 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tot Ion	Ratio	Lower	Upper
79	100		
108	76.0	62.7	94.1
77	65.2	52.2	78.2

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

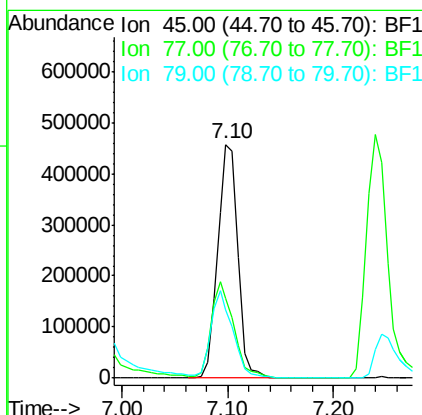
Manual Integrations
APPROVED

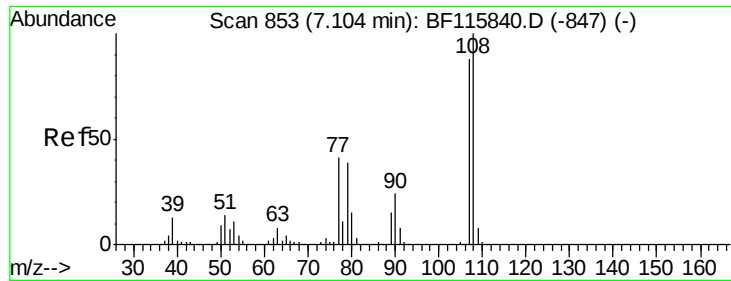
mohammad
8/19/2019 10:41:52 AM



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.161 ng
RT: 7.10 min Scan# 852
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
45	100		
77	34.1	0.0	40.0
79	29.4	0.0	35.9





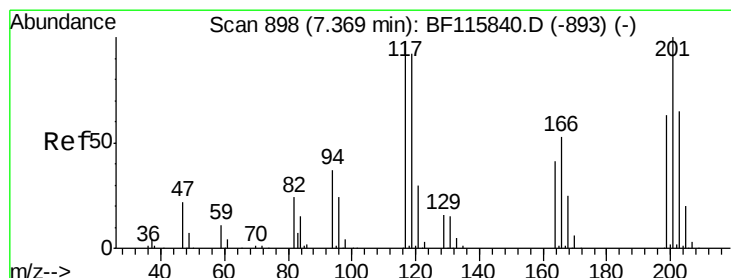
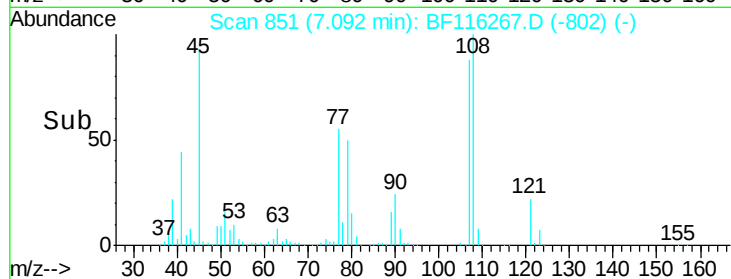
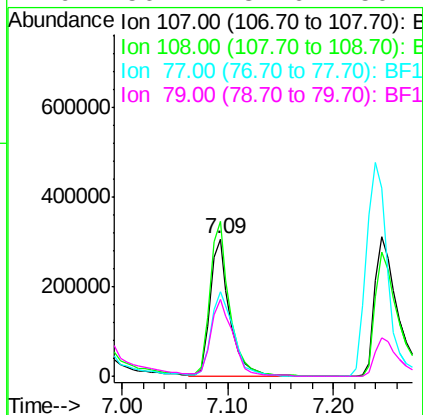
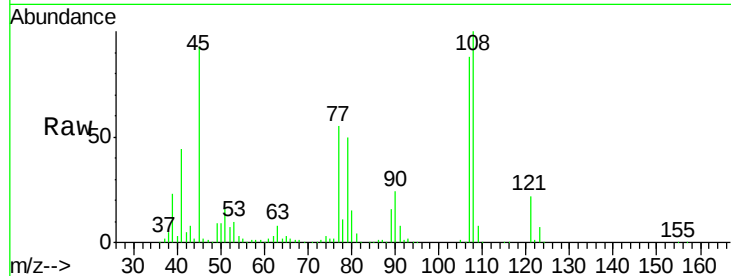
#17
2-Methylphenol
Concen: 41.137 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.01 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion:	107	Resp:	394978
Ion Ratio	Lower	Upper	
107	100		
108	113.2	91.2	136.8
77	61.8	40.3	60.5
79	56.2	37.6	56.4

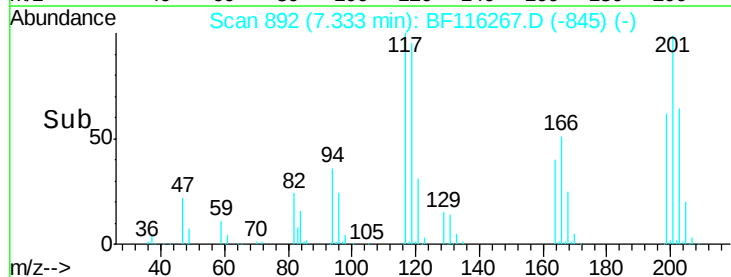
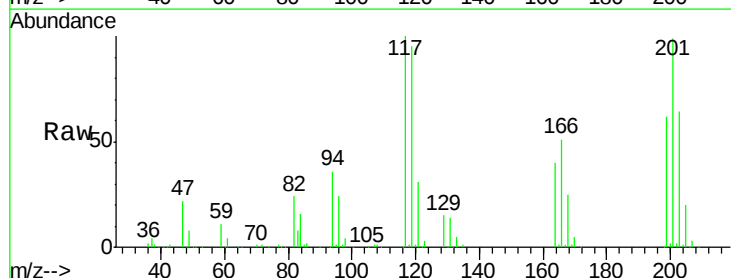
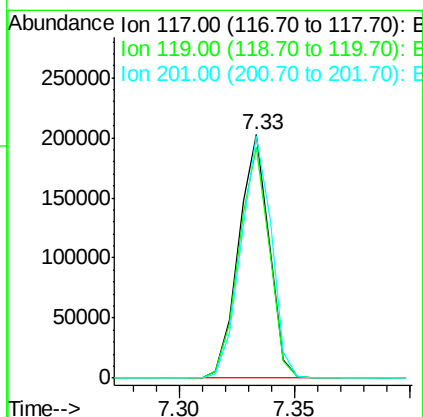
Manual Integrations
APPROVED

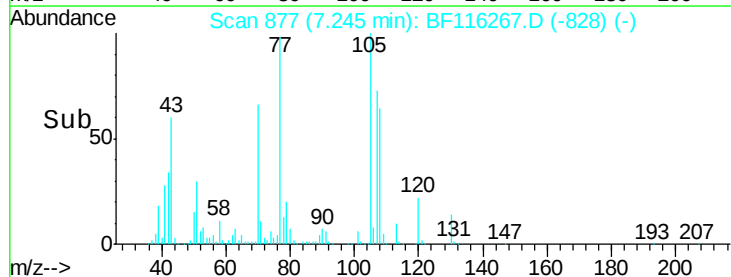
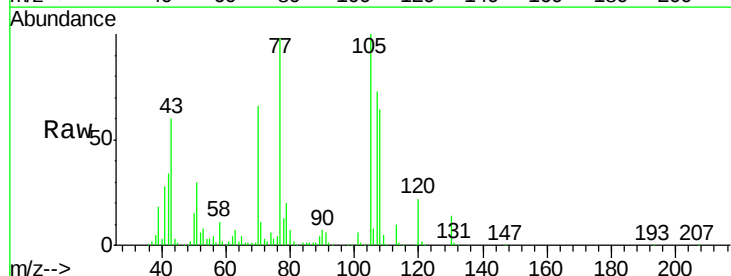
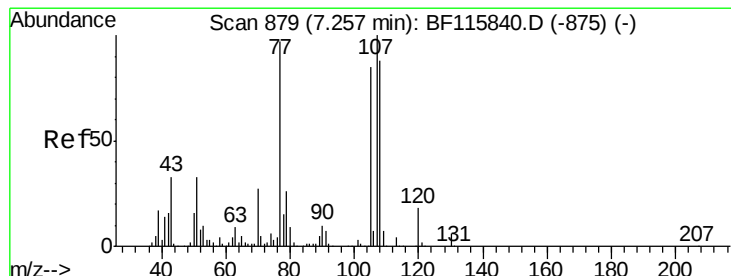
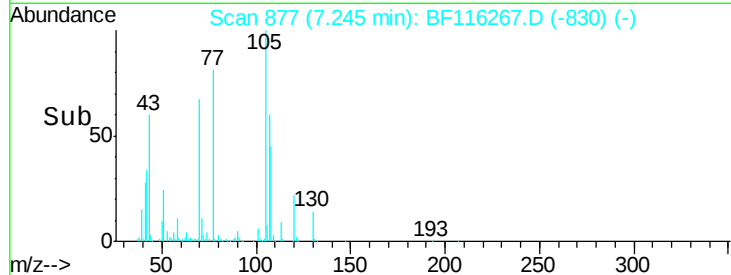
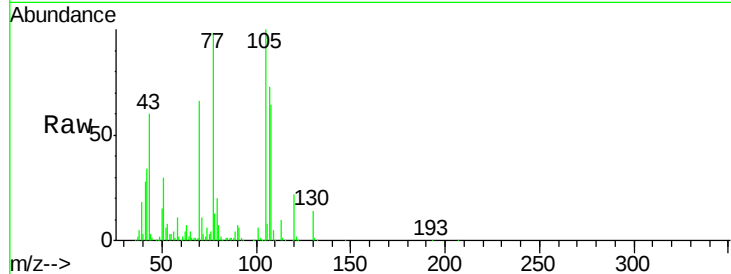
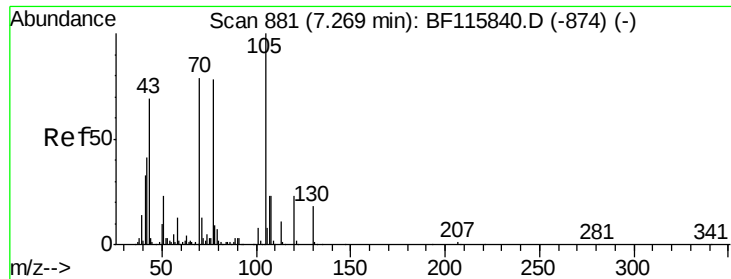
mohammad
8/19/2019 10:41:52 AM



#18
Hexachloroethane
Concen: 38.409 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

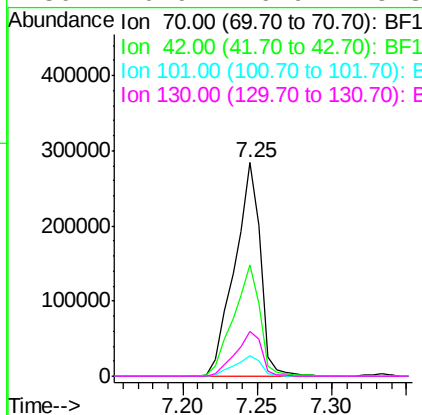
Tgt Ion:	117	Resp:	185554
Ion Ratio	Lower	Upper	
117	100		
119	94.9	76.1	114.1
201	99.4	77.0	115.4





#19
n-Nitroso-di-n-propylamine
Concen: 42.730 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tot Ion	Ion	Ratio	Resp	Lower	Upper
70	100		342580		
42	51.9	40.9	61.3		
101	9.5	7.9	11.9		
130	20.9	16.9	25.3		



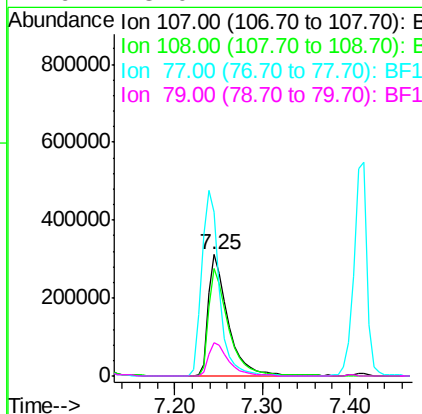
Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

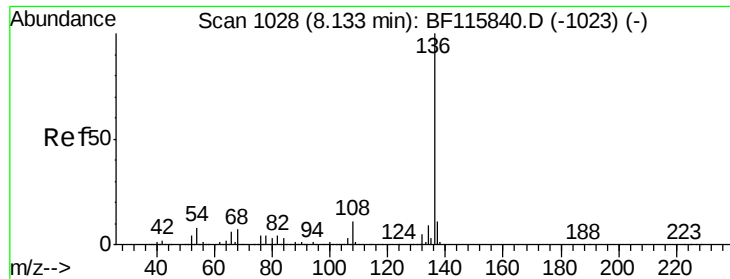
Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM

#20
3+4-Methylphenols
Concen: 43.069 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		489360		
108	88.6	67.6	107.6		
77	135.0	104.4	144.4		
79	28.0	7.4	47.4		





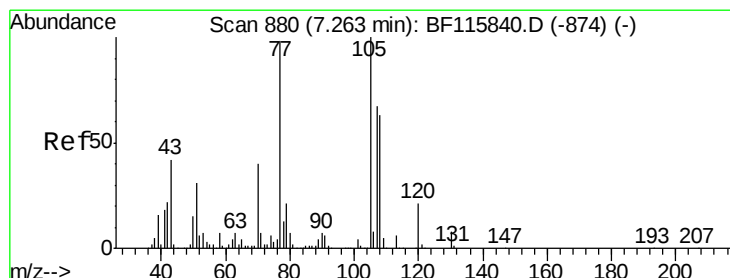
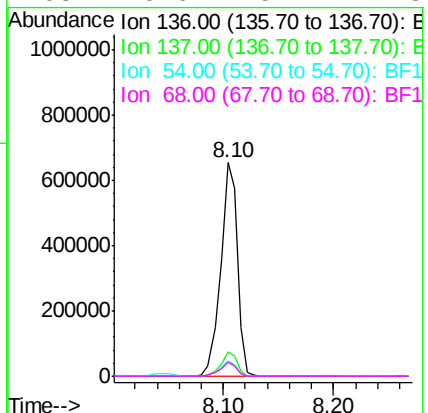
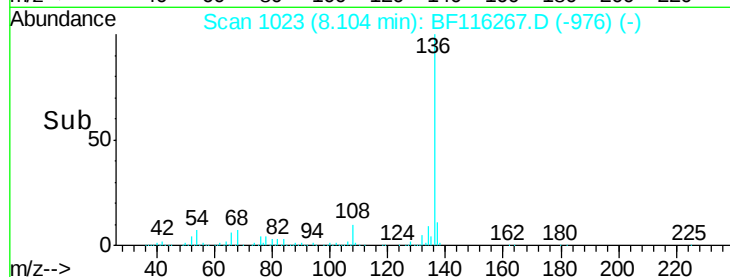
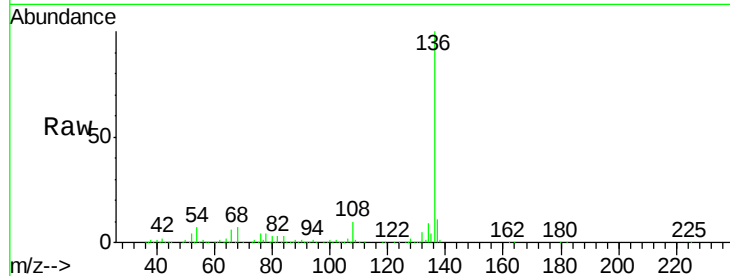
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	688654		
137	11.3	9.0	13.4	
54	7.2	5.8	8.6	
68	6.6	5.2	7.8	

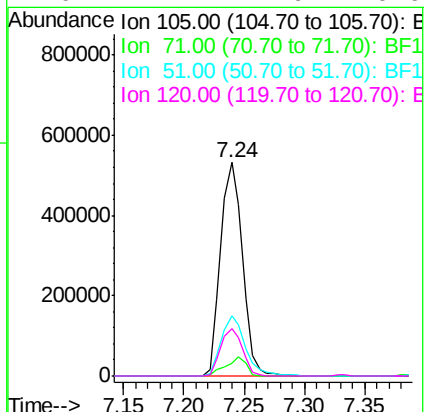
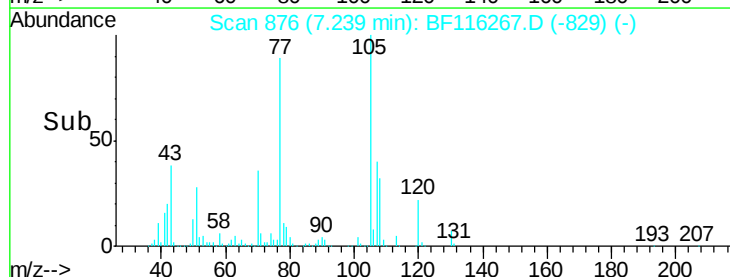
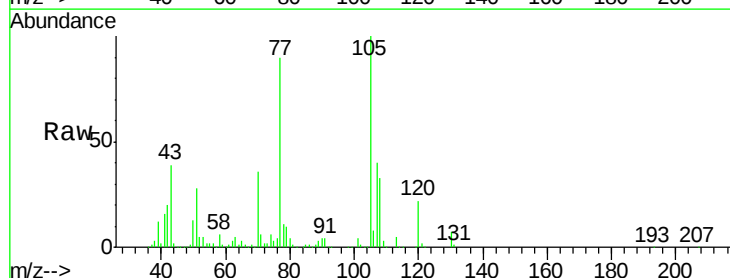
Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#22
Acetophenone
Concen: 44.318 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	669344		
71	6.2	5.9	8.9	
51	28.4	25.3	37.9	
120	22.1	17.9	26.9	





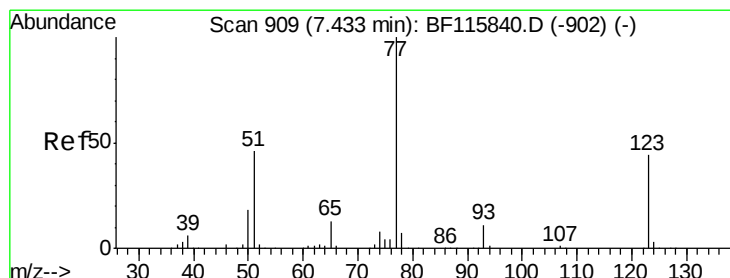
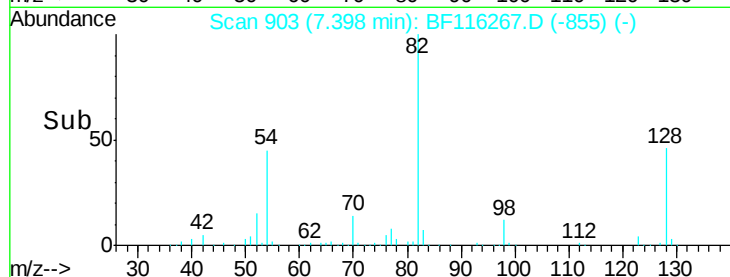
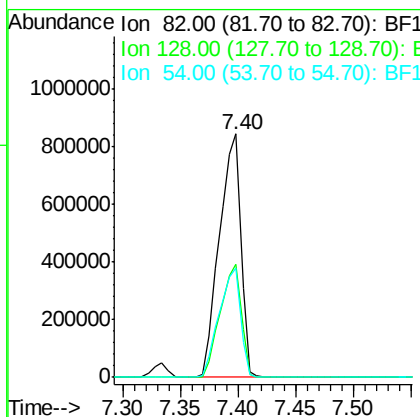
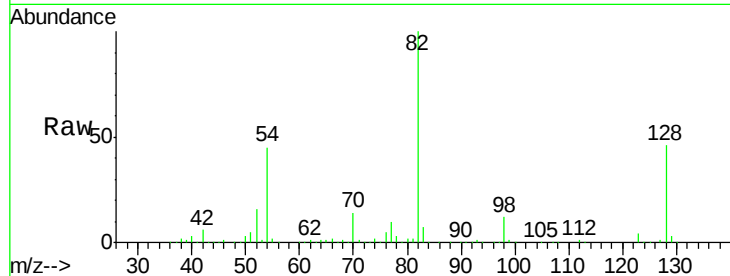
#23
 Nitrobenzene-d5
 Concen: 91.551 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion: 82 Resp: 1092233
 Ion Ratio Lower Upper
 82 100
 128 46.5 36.5 54.7
 54 44.7 36.0 54.0

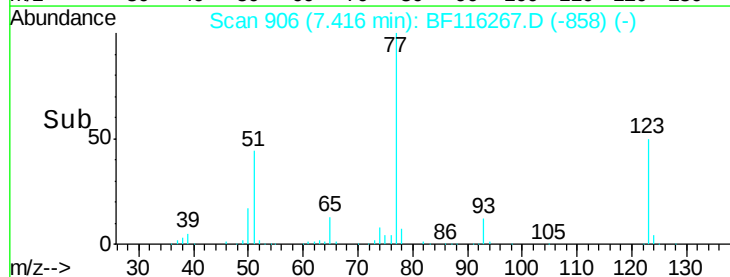
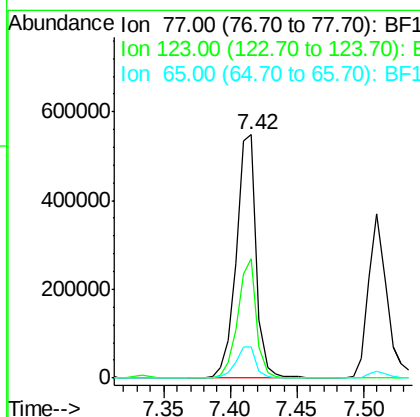
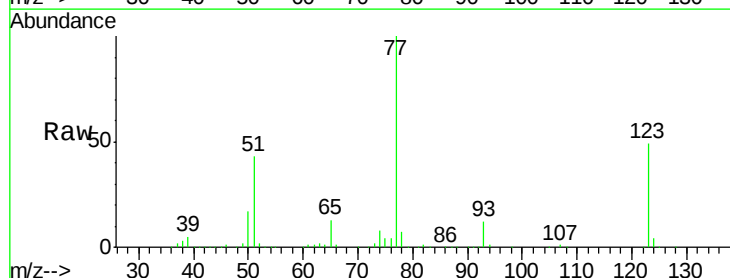
Manual Integrations
 APPROVED

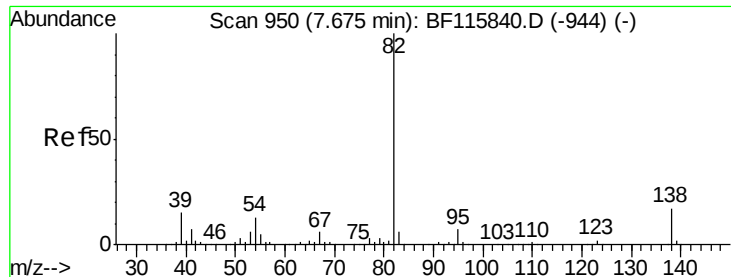
mohammad
 8/19/2019 10:41:52 AM



#24
 Nitrobenzene
 Concen: 44.426 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion: 77 Resp: 572293
 Ion Ratio Lower Upper
 77 100
 123 49.3 36.7 55.1
 65 12.9 10.6 16.0





#25

Isophorone

Concen: 44.477 ng

RT: 7.65 min Scan# 946

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

ClientSampleId :

OK-03-081219MSD

Tot Ion: 82 Resp: 1014635

Ion Ratio Lower Upper

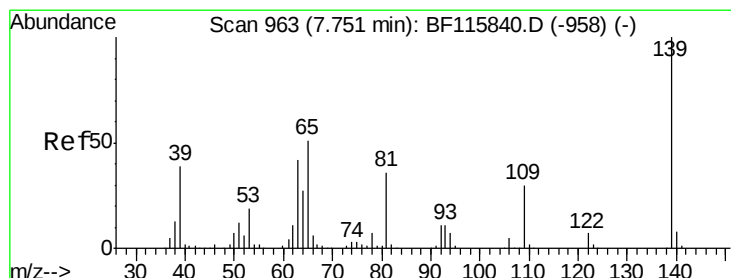
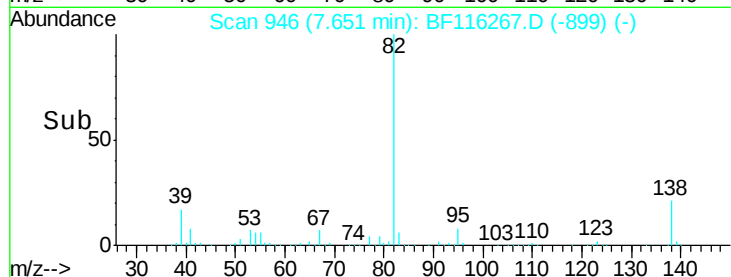
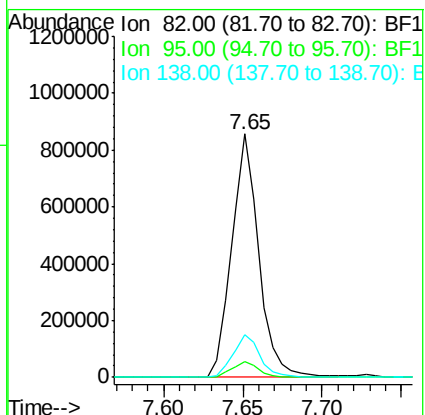
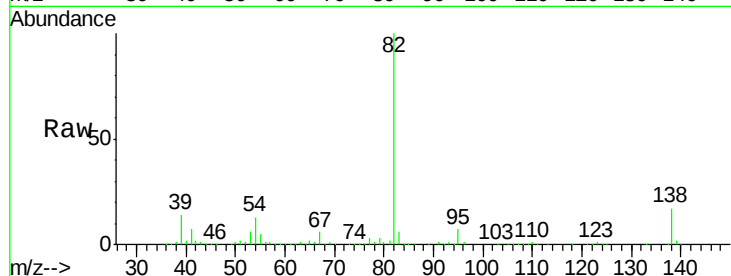
82 100

95 6.7 5.4 8.0

138 17.3 14.5 21.7

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#26

2-Nitrophenol

Concen: 45.502 ng

RT: 7.73 min Scan# 959

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

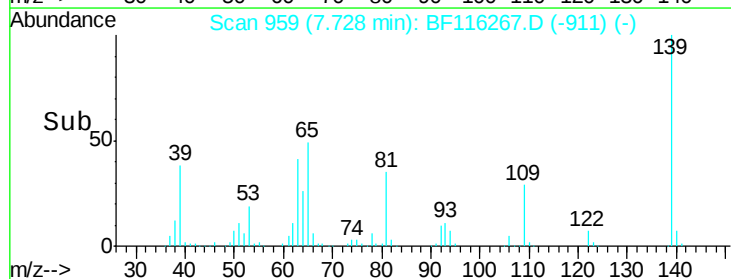
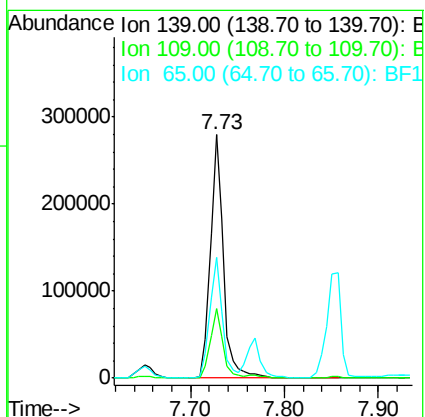
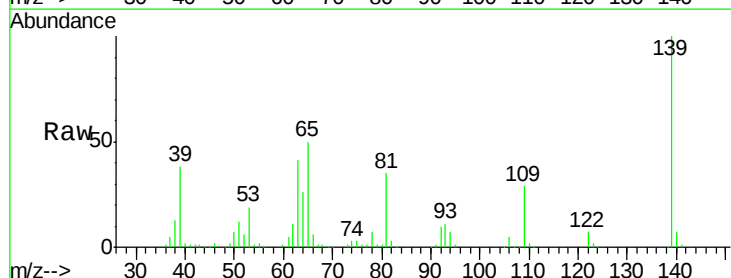
Tgt Ion: 139 Resp: 276303

Ion Ratio Lower Upper

139 100

109 28.7 23.4 35.2

65 49.5 41.1 61.7





#27

2,4-Dimethylphenol

Concen: 47.208 ng

RT: 7.77 min Scan# 966

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

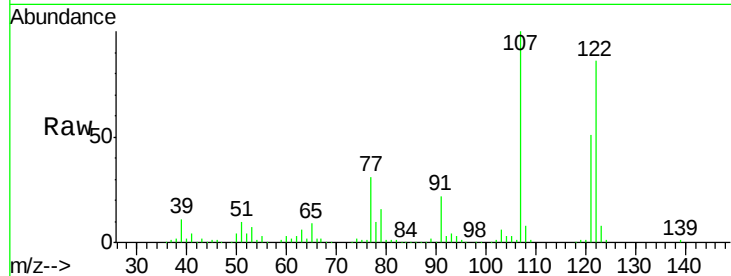
ClientSampleId :

OK-03-081219MSD

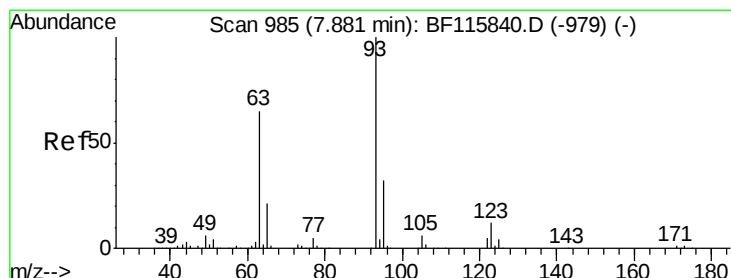
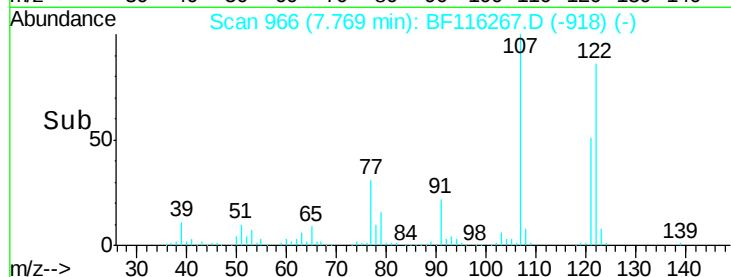
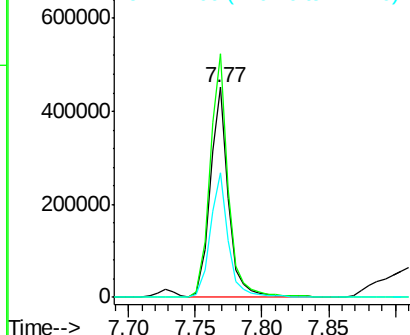
Tot Ion:	122	Resp:	431276
Ion Ratio	Lower	Upper	
122	100		
107	115.8	93.0	139.6
121	59.1	47.6	71.4

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.108 ng

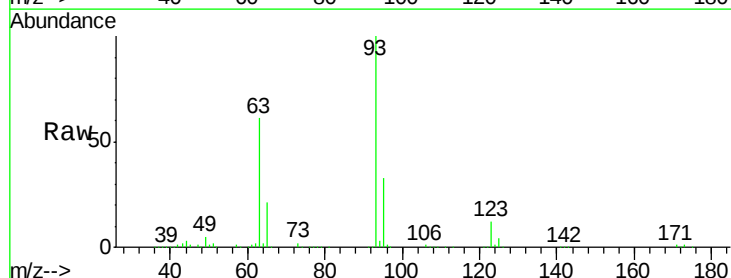
RT: 7.86 min Scan# 981

Delta R.T. -0.02 min

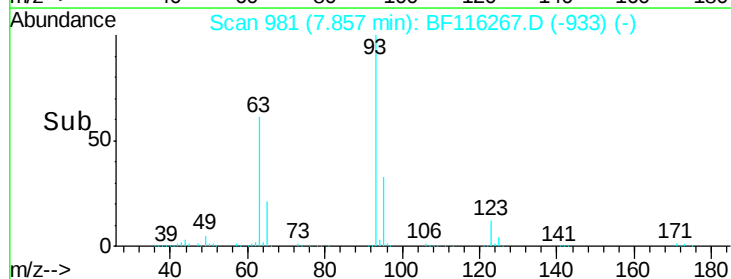
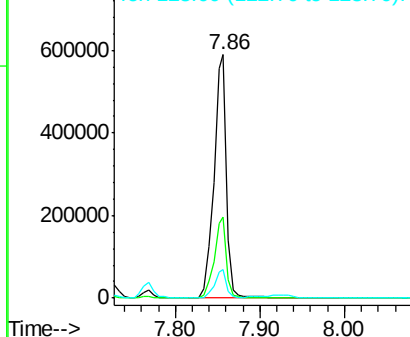
Lab File: BF116267.D

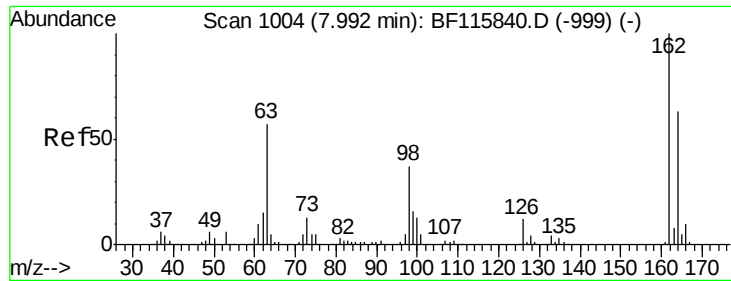
Acq: 14 Aug 2019 18:00

Tgt Ion:	93	Resp:	623674
Ion Ratio	Lower	Upper	
93	100		
95	33.3	26.2	39.4
123	11.9	9.2	13.8



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





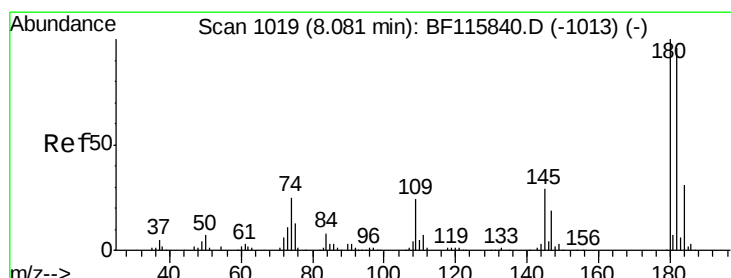
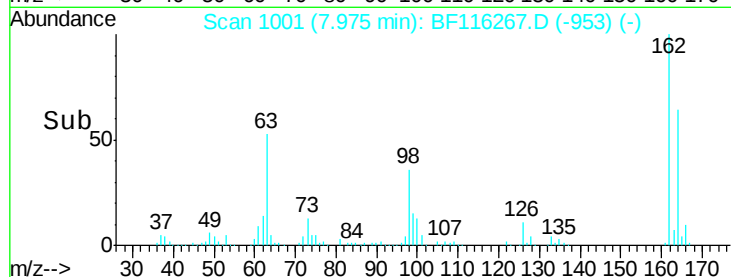
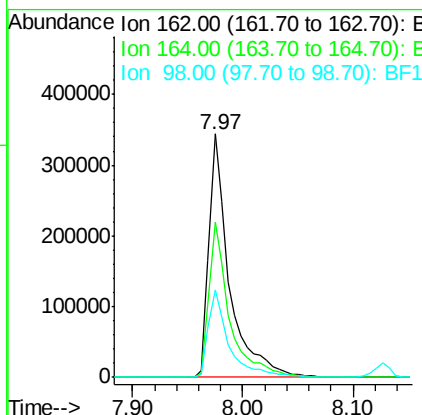
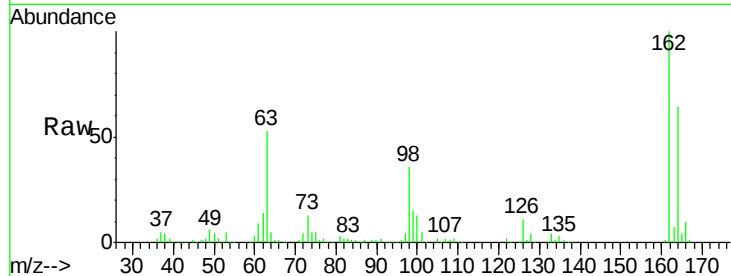
#29
 2,4-Dichlorophenol
 Concen: 44.827 ng
 RT: 7.97 min Scan# 1001
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	432401		
164	64.0	45.1	85.1	
98	35.9	15.8	55.8	

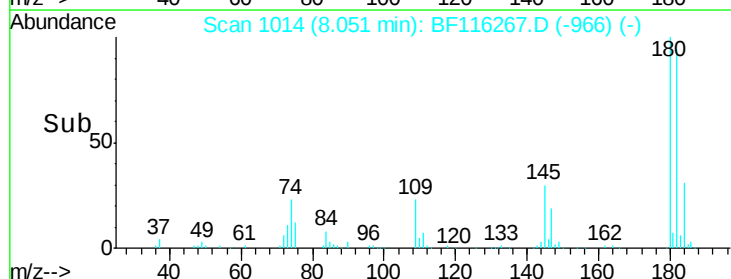
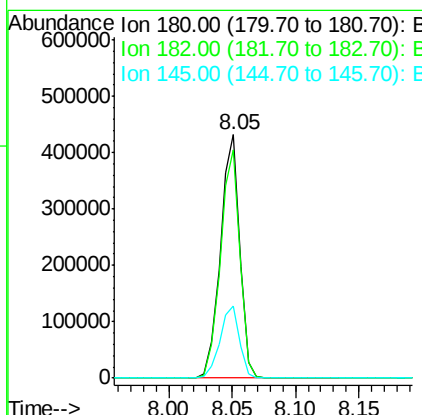
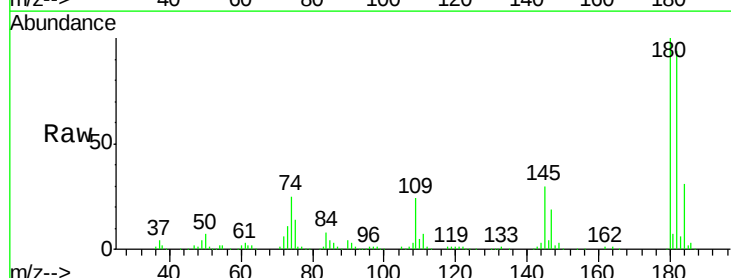
Manual Integrations
 APPROVED

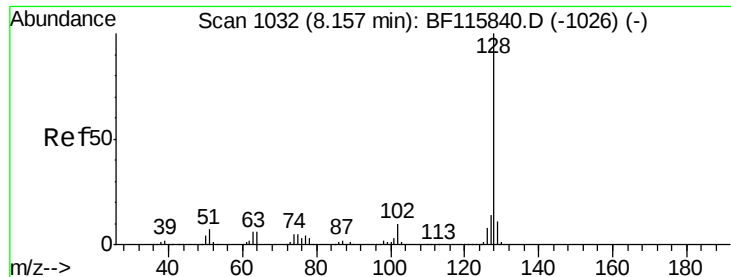
mohammad
 8/19/2019 10:41:52 AM



#30
 1,2,4-Trichlorobenzene
 Concen: 41.628 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	457730		
182	93.8	75.7	113.5	
145	29.5	24.3	36.5	





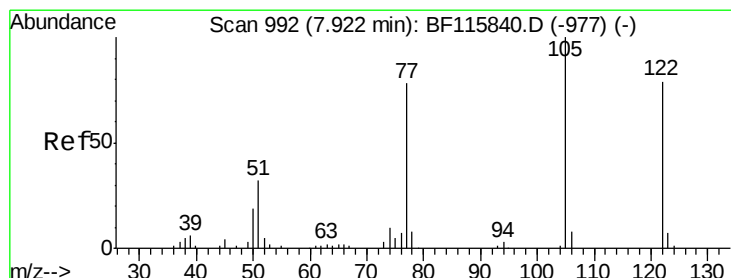
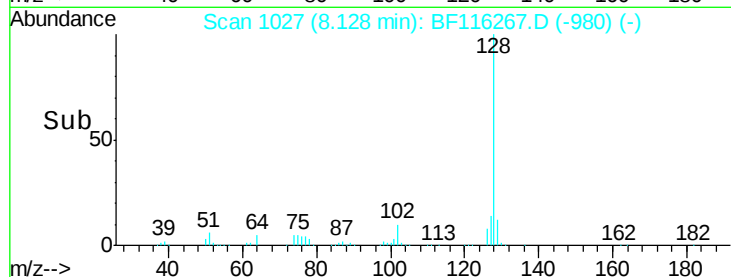
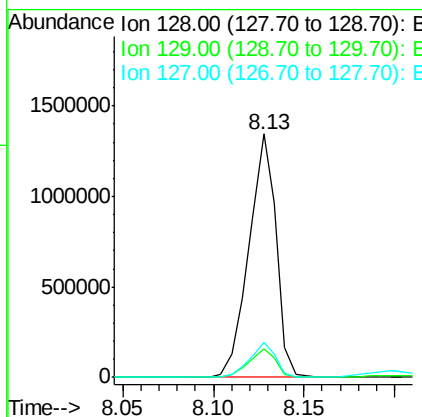
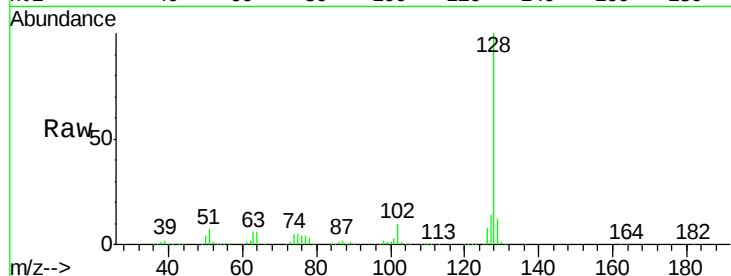
#31
Naphthalene
Concen: 43.236 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.3	13.9
127	14.1	11.4	17.0

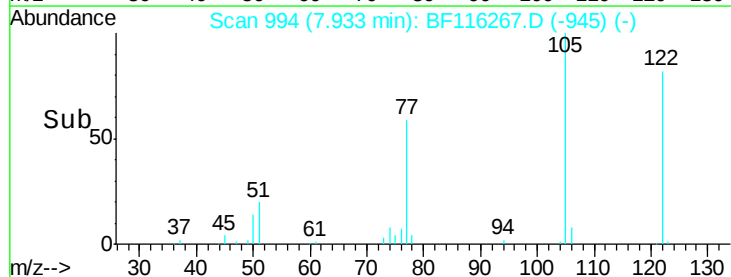
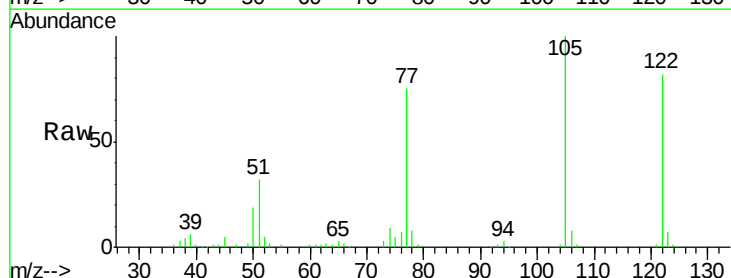
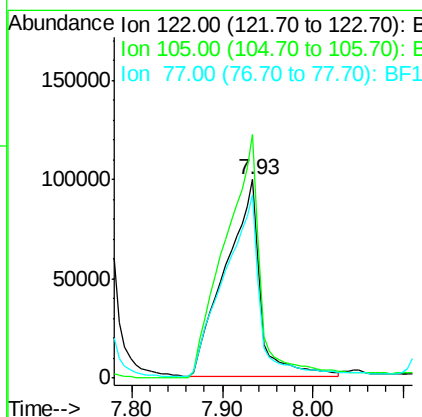
Manual Integrations
APPROVED

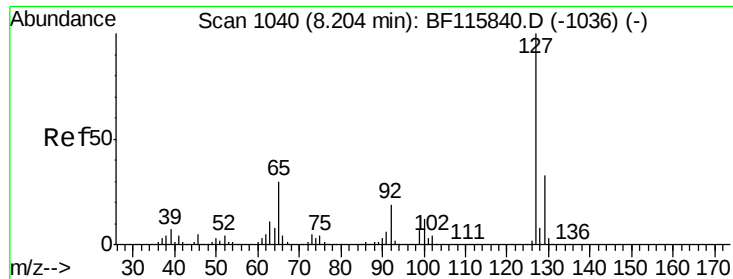
mohammad
8/19/2019 10:41:52 AM



#32
Benzoic acid
Concen: 41.625 ng
RT: 7.93 min Scan# 994
Delta R.T. -0.01 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
122	100		
105	122.7	106.1	146.1
77	92.6	76.7	116.7





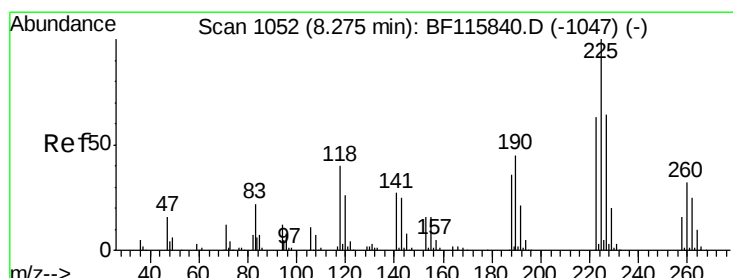
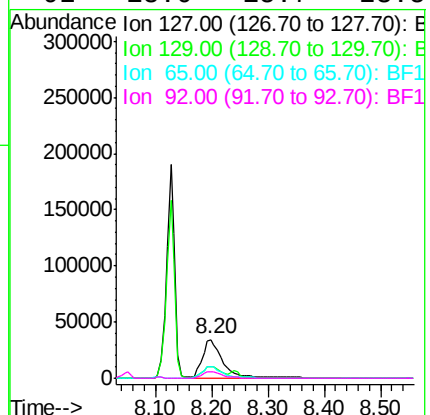
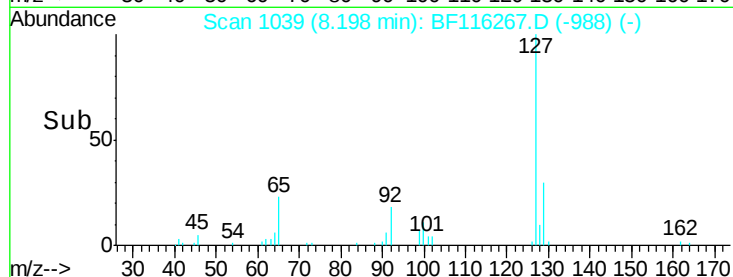
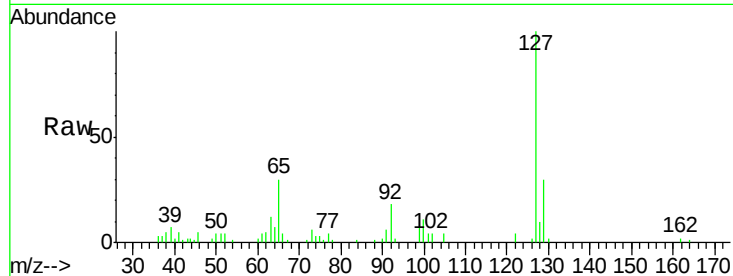
#33
4-Chloroaniline
Concen: 6.111 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.00 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	29.8	26.1	39.1	
65	30.4	24.9	37.3	
92	18.0	15.7	23.5	

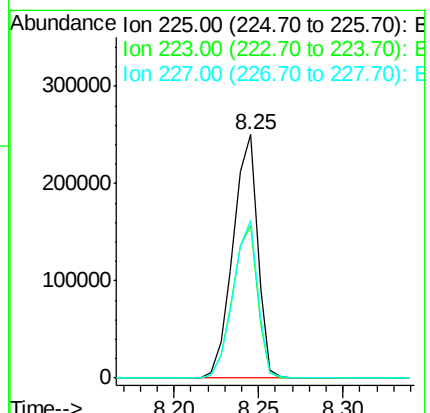
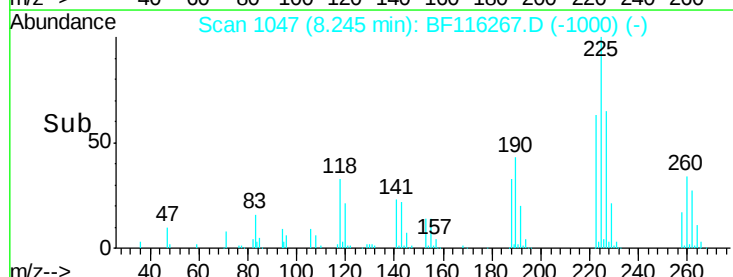
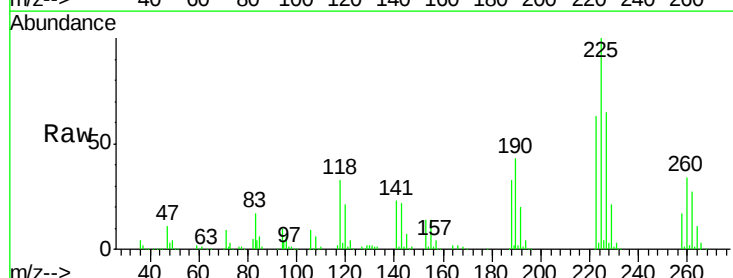
Manual Integrations
APPROVED

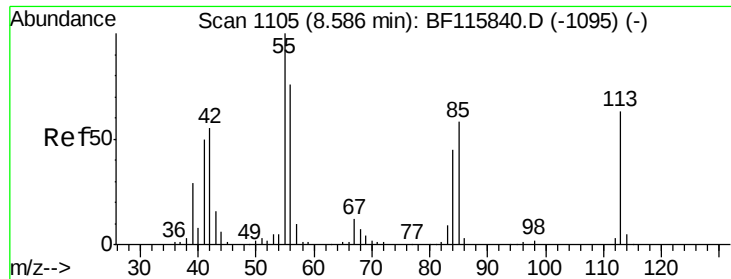
mohammad
8/19/2019 10:41:52 AM



#34
Hexachlorobutadiene
Concen: 40.120 ng
RT: 8.25 min Scan# 1047
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	50.0	75.0	
227	64.7	51.0	76.4	





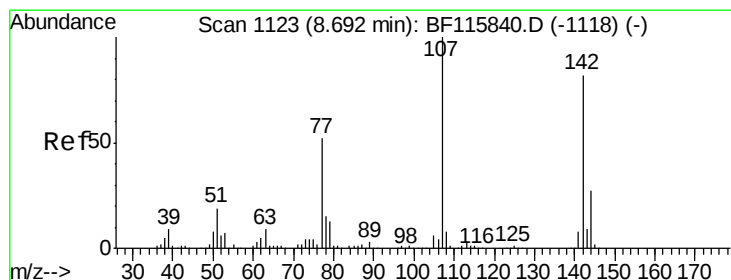
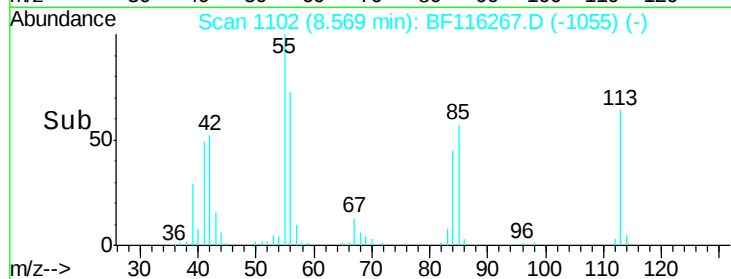
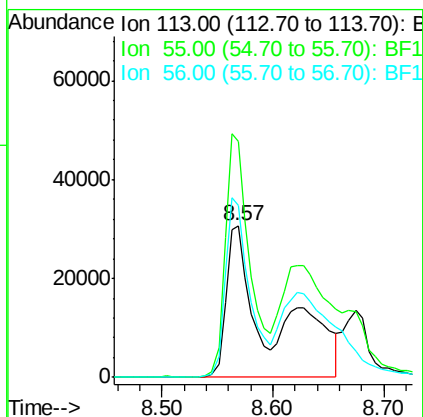
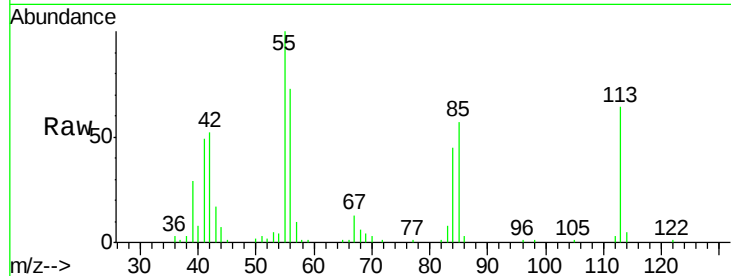
#35
 Caprolactam
 Concen: 27.795 ng/ml
 RT: 8.57 min Scan# 1102
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	155.8	144.3	184.3
56	113.7	97.1	137.1

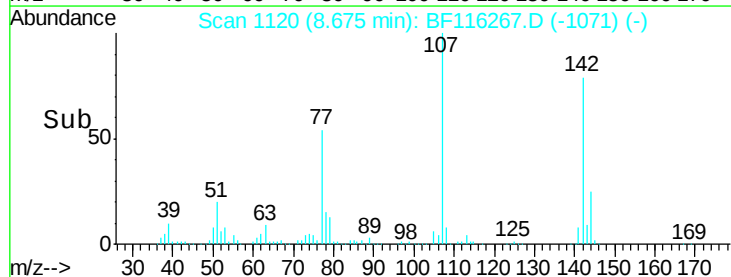
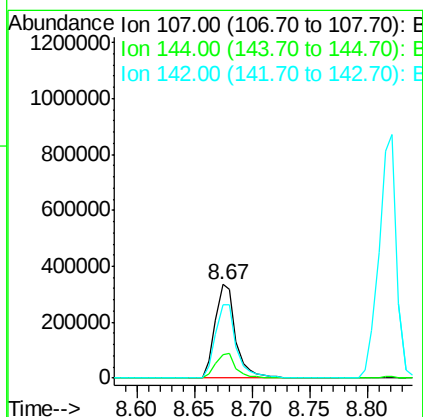
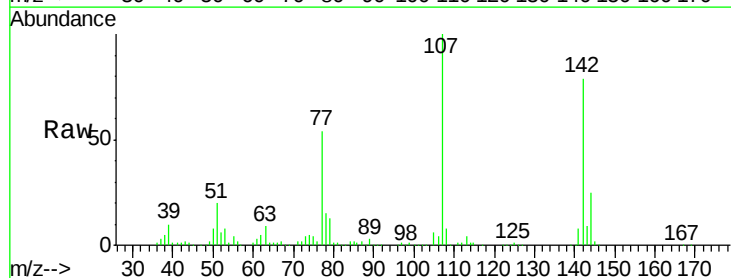
Manual Integrations
 APPROVED

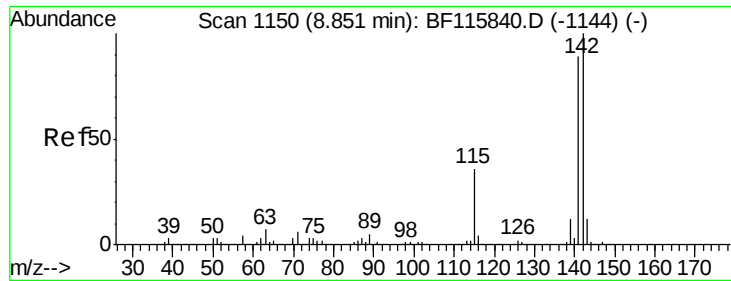
mohammad
 8/19/2019 10:41:52 AM



#36
 4-Chloro-3-methylphenol
 Concen: 41.752 ng/ml
 RT: 8.67 min Scan# 1120
 Delta R.T. -0.01 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.2	20.2	30.2
142	78.6	61.7	92.5





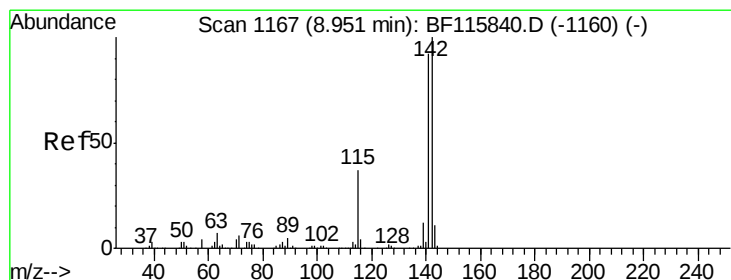
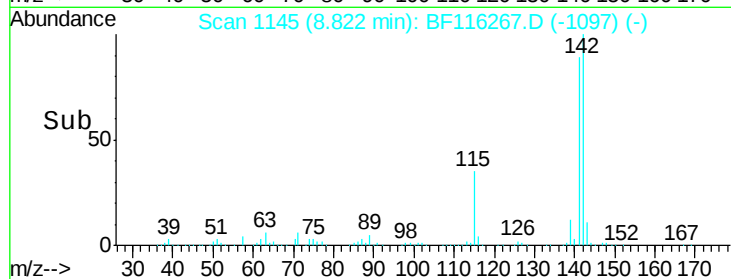
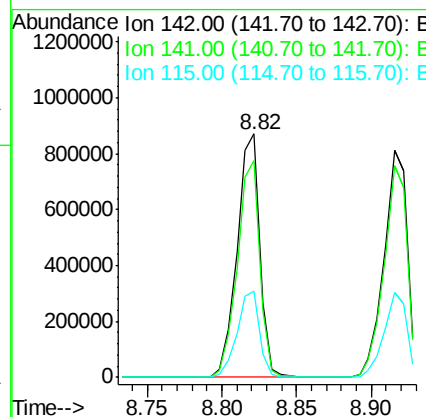
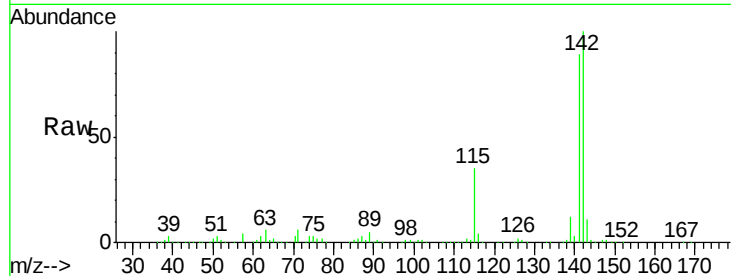
#37
2-Methylnaphthalene
Concen: 43.781 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.9	106.3
115	35.3	29.0	43.6

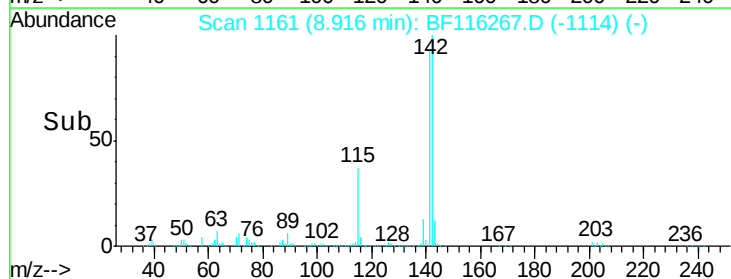
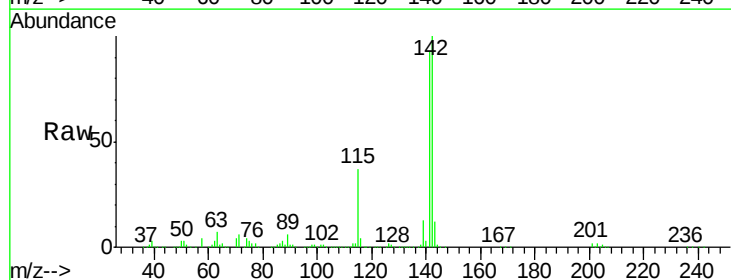
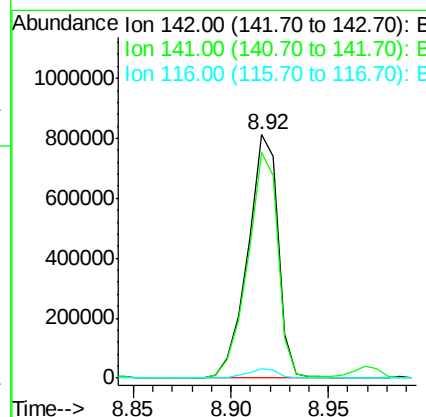
Manual Integrations
APPROVED

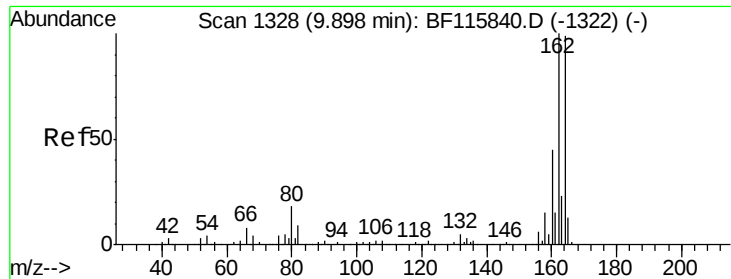
mohammad
8/19/2019 10:41:52 AM



#38
1-Methylnaphthalene
Concen: 43.133 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.0	74.4	111.6
116	4.1	3.1	4.7





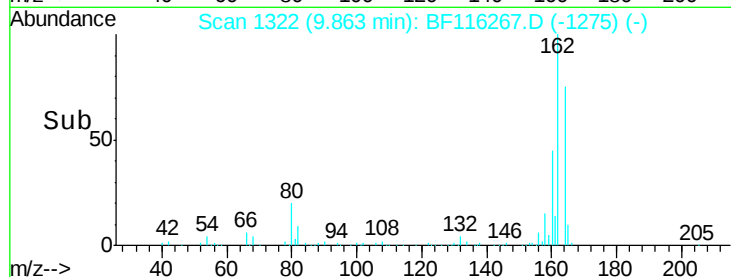
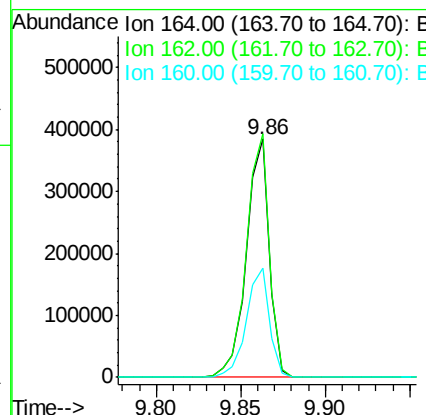
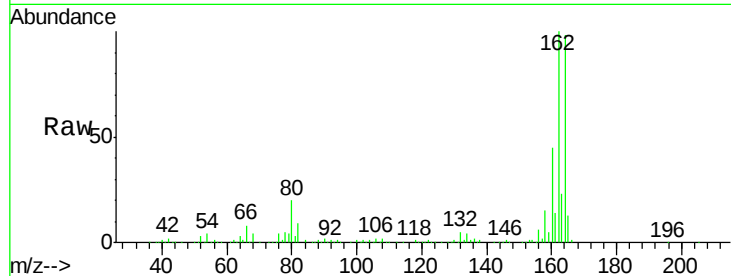
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.3	82.6	124.0
160	45.9	37.6	56.4

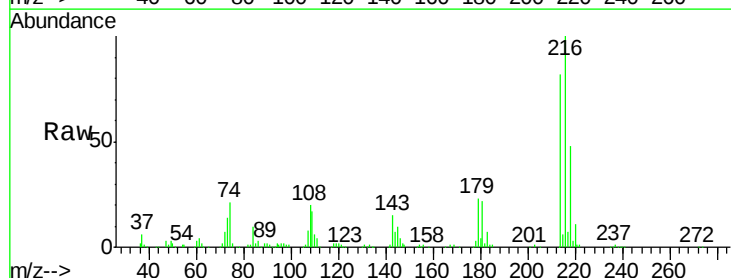
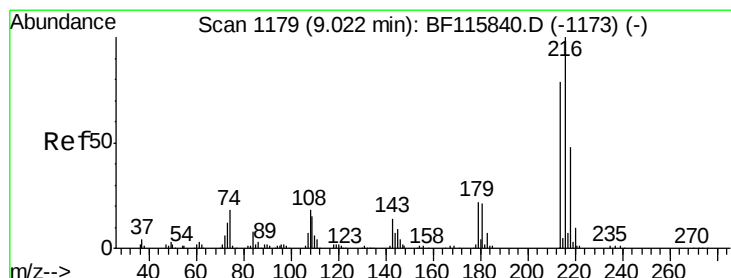
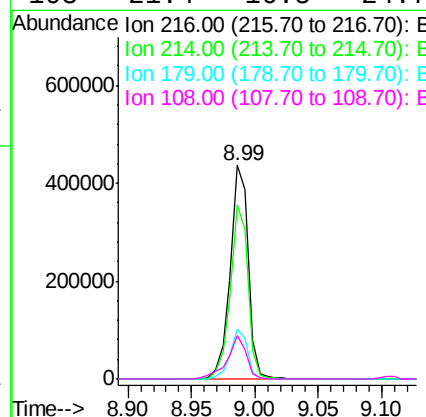
Manual Integrations
 APPROVED

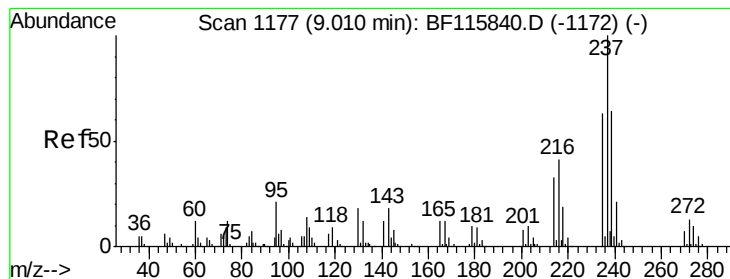
mohammad
 8/19/2019 10:41:52 AM



#40
 1,2,4,5-Tetrachlorobenzene
 Concen: 44.146 ng
 RT: 8.99 min Scan# 1173
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.6	95.4
179	22.3	17.8	26.8
108	21.4	16.5	24.7





#41

Hexachlorocyclopentadiene

Concen: 65.308 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

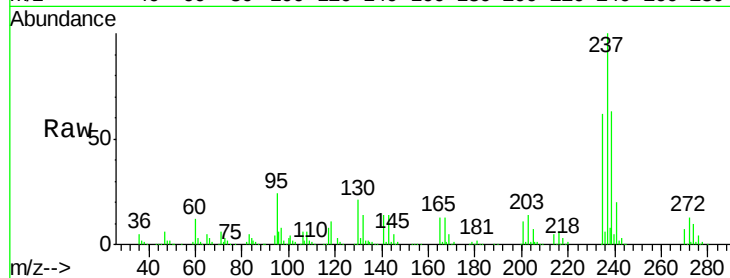
ClientSampleId :

OK-03-081219MSD

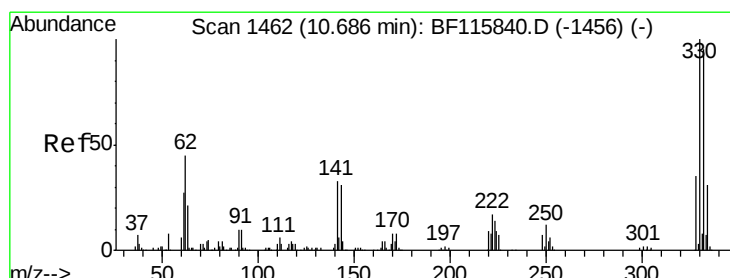
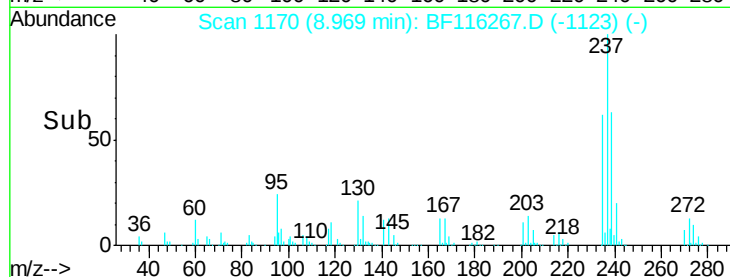
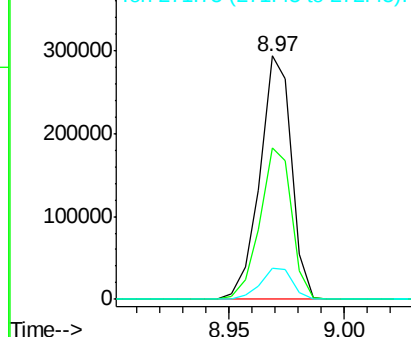
Tot Ion:	237	Resp:	280275
Ion Ratio	Lower	Upper	
237	100		
235	62.3	43.4	83.4
272	12.6	0.0	33.2

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 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: 119.517 ng

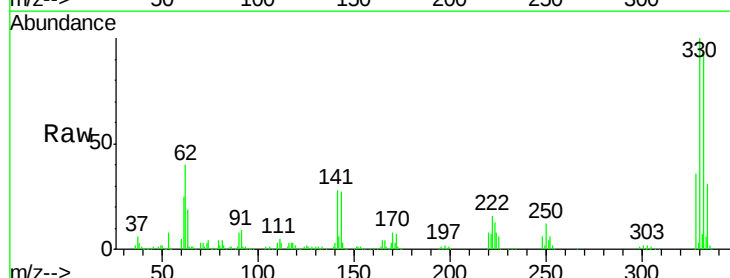
RT: 10.66 min Scan# 1457

Delta R.T. -0.02 min

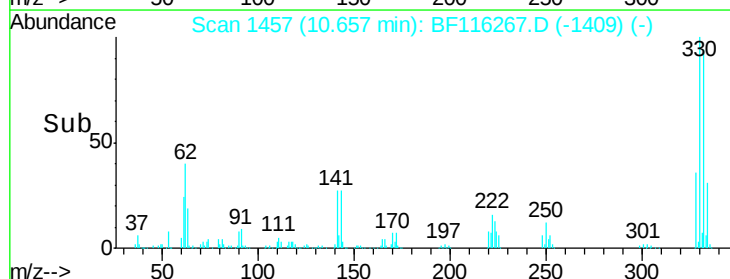
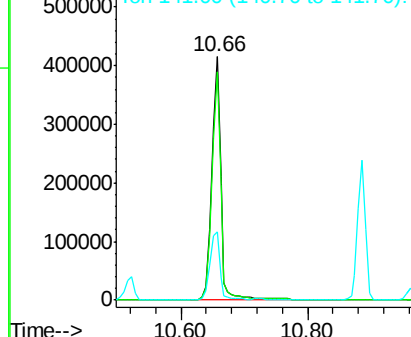
Lab File: BF116267.D

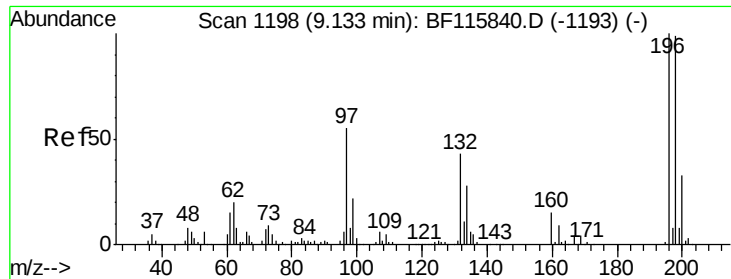
Acq: 14 Aug 2019 18:00

Tgt Ion:	330	Resp:	421937
Ion Ratio	Lower	Upper	
330	100		
332	93.9	76.8	115.2
141	30.8	26.3	39.5



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





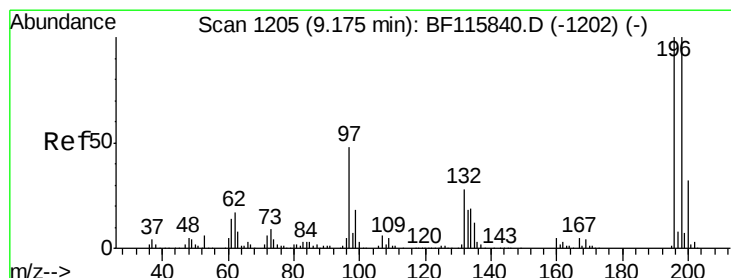
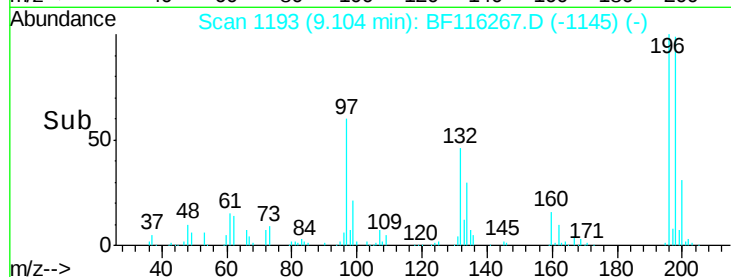
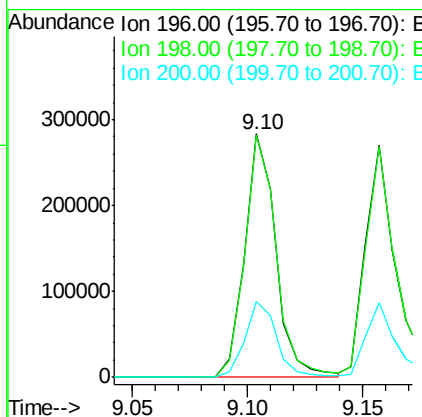
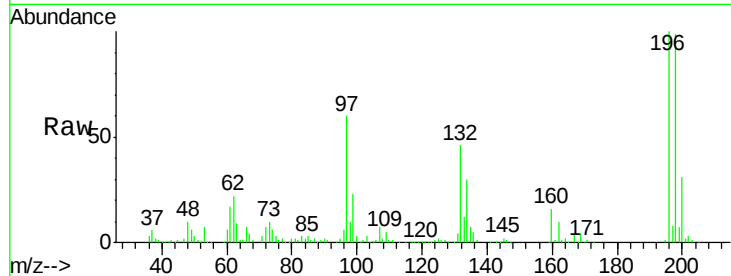
#43
 2,4,6-Trichlorophenol
 Concen: 40.030 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion:	196	Resp:	268222
Ion Ratio	Lower	Upper	
196	100		
198	99.4	79.2	118.8
200	31.2	25.2	37.8

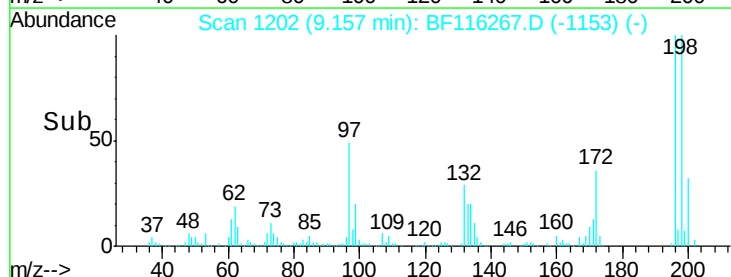
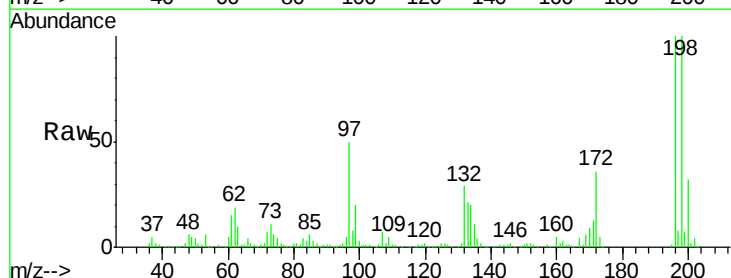
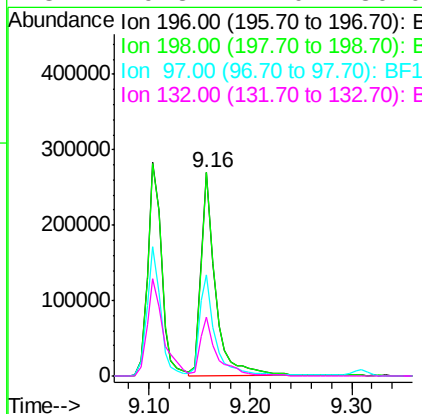
Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:41:52 AM



#44
 2,4,5-Trichlorophenol
 Concen: 39.168 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion:	196	Resp:	271290
Ion Ratio	Lower	Upper	
196	100		
198	100.0	78.8	118.2
97	49.8	42.2	63.4
132	29.3	24.0	36.0





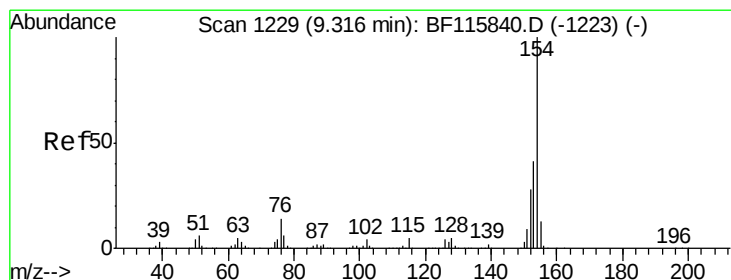
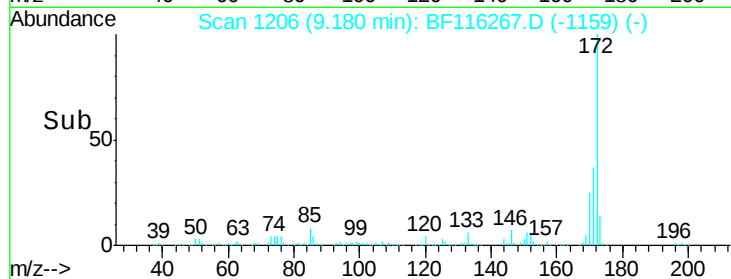
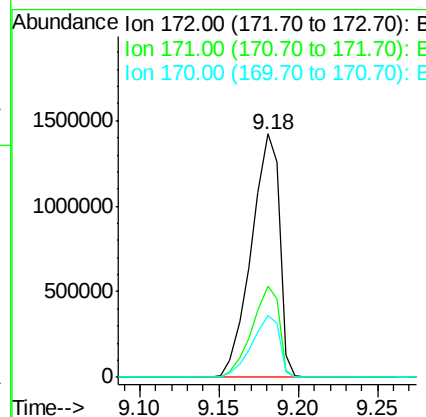
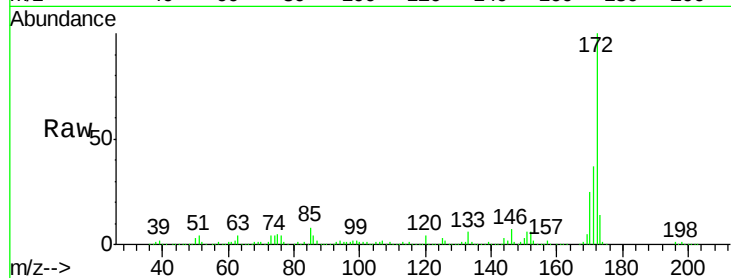
#45
2-Fluorobiphenyl
Concen: 90.344 ng
RT: 9.18 min Scan# 1206
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	25.3	20.1	30.1

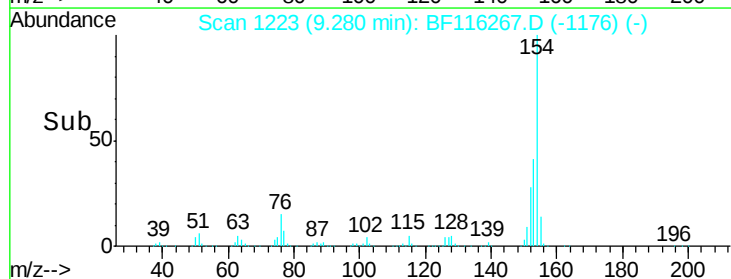
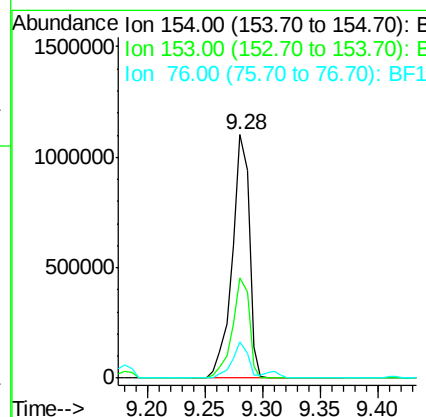
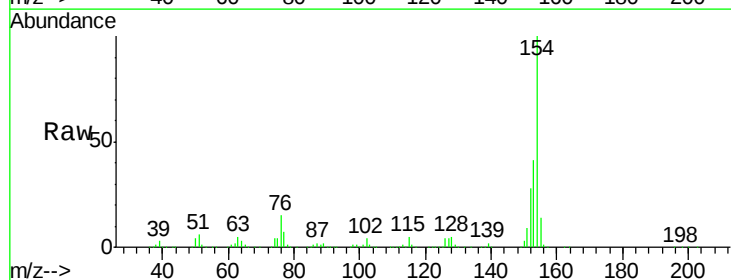
Manual Integrations
APPROVED

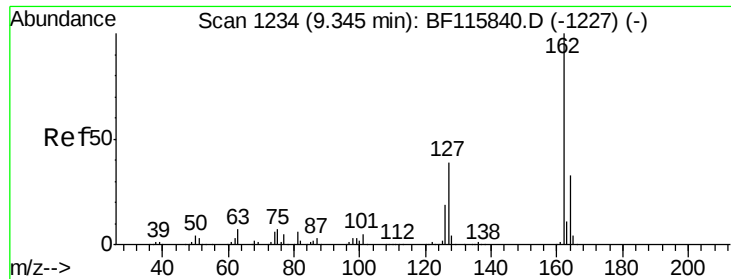
mohammad
8/19/2019 10:41:52 AM



#46
1,1'-Biphenyl
Concen: 43.950 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	21.4	61.4
76	14.7	0.0	35.2





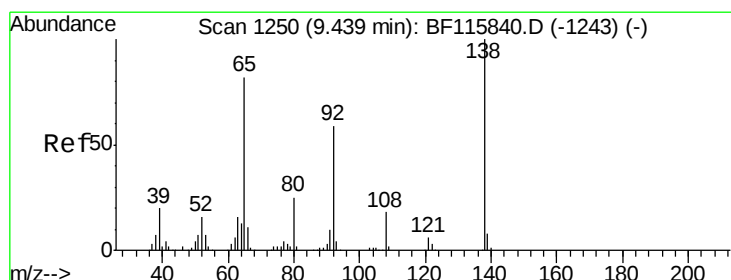
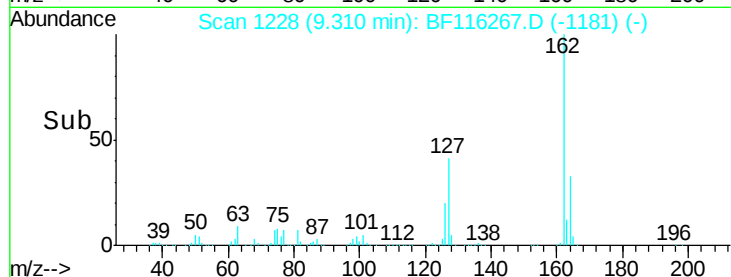
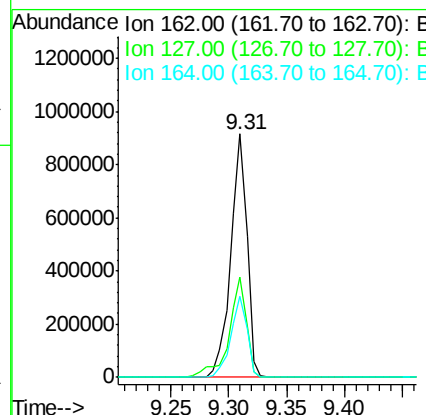
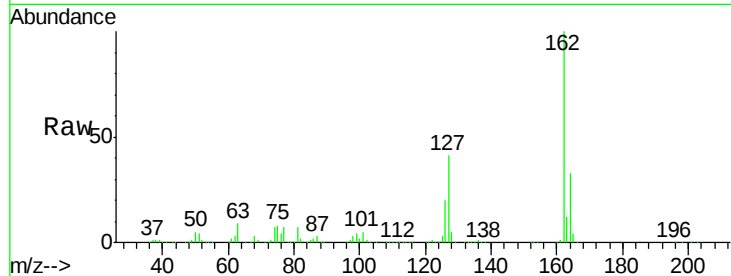
#47
 2-Chloronaphthalene
 Concen: 41.616 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	890421		
127	41.2		32.8	49.2
164	33.3		26.6	39.8

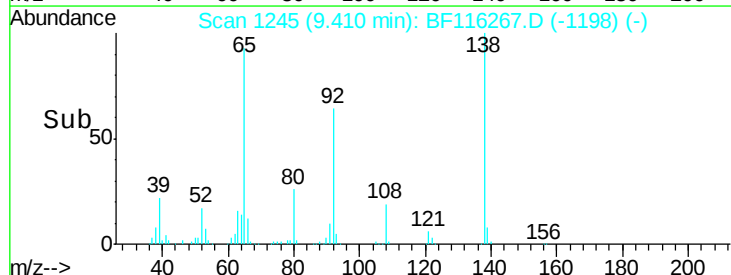
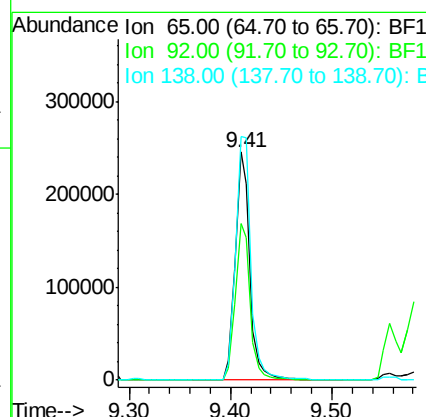
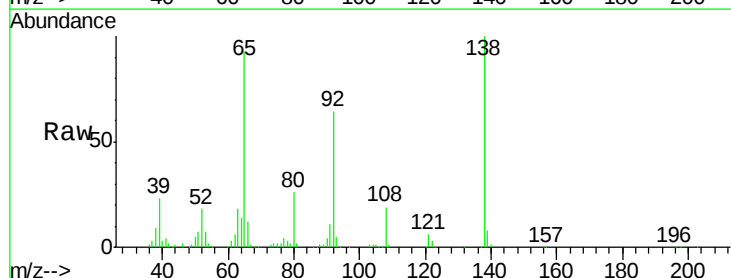
Manual Integrations
 APPROVED

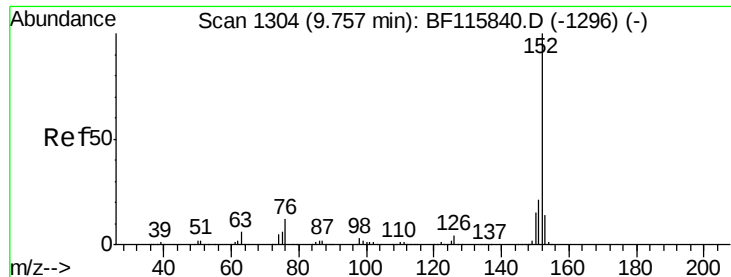
mohammad
 8/19/2019 10:41:52 AM



#48
 2-Nitroaniline
 Concen: 34.966 ng
 RT: 9.41 min Scan# 1245
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	247287		
92	68.7		57.8	86.8
138	107.0		94.0	141.0





#49

Acenaphthylene

Concen: 40.768 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

ClientSampleId :

OK-03-081219MSD

Tot Ion:152 Resp: 1272578

Ion Ratio Lower Upper

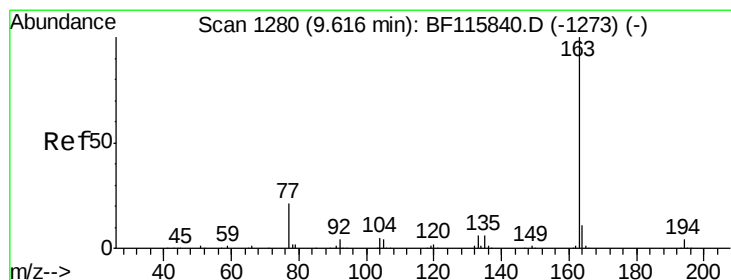
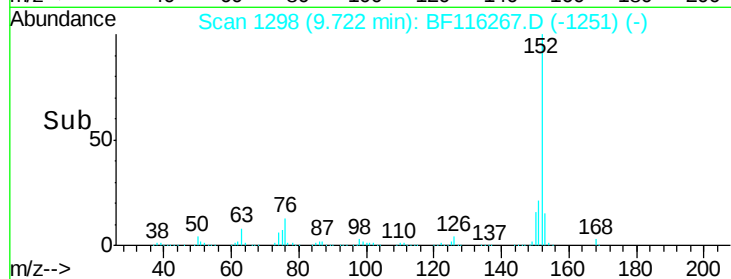
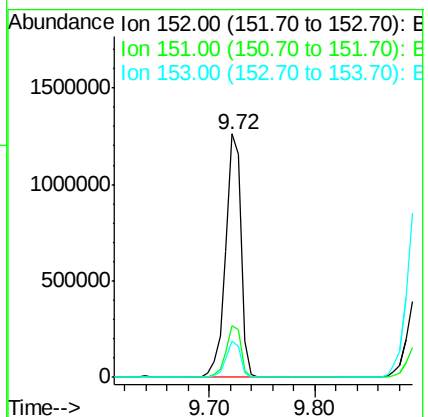
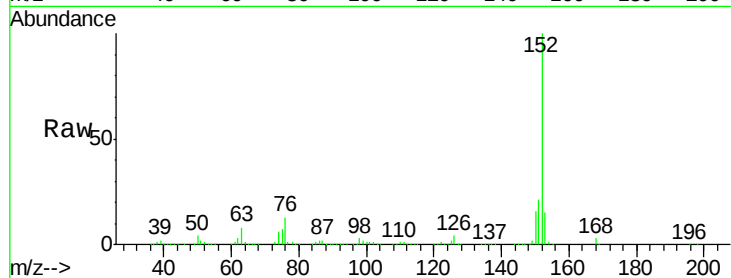
152 100

151 21.0 17.2 25.8

153 14.7 11.8 17.8

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#50

Dimethylphthalate

Concen: 42.752 ng

RT: 9.59 min Scan# 1275

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

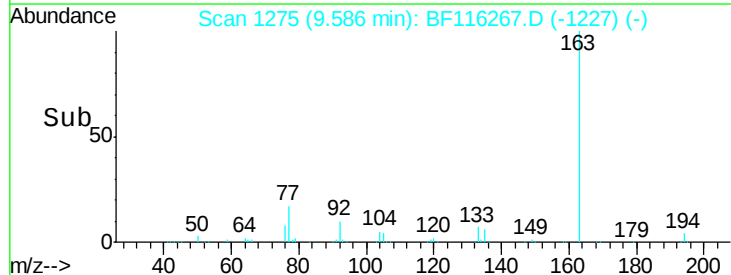
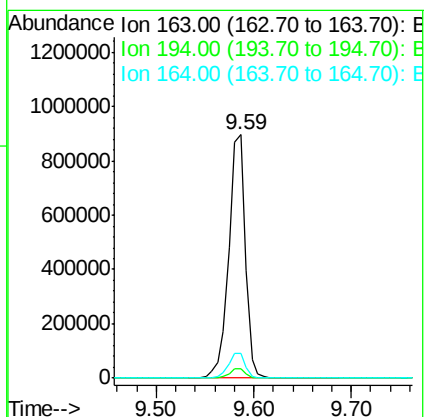
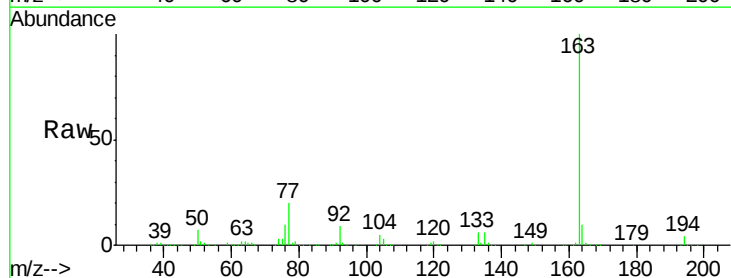
Tgt Ion:163 Resp: 1059956

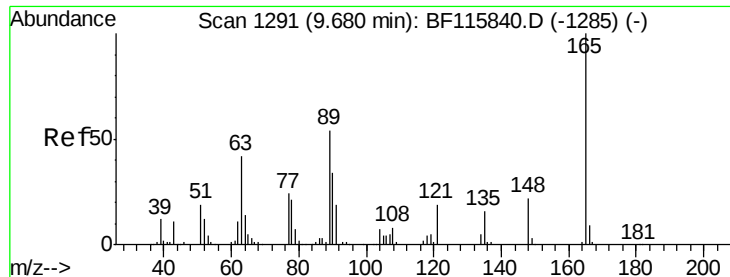
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.2 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 41.345 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

ClientSampleId :

OK-03-081219MSD

Tot Ion:165 Resp: 222767
Ion Ratio Lower Upper

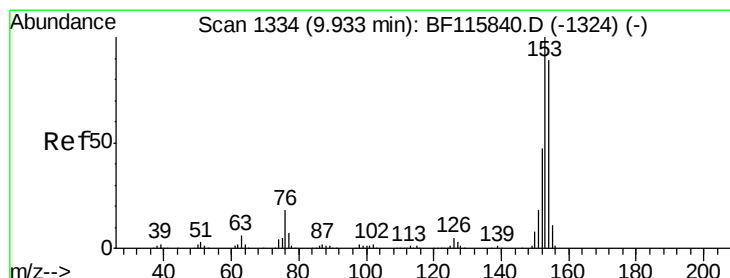
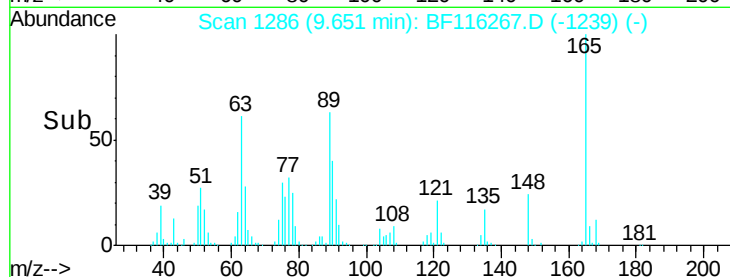
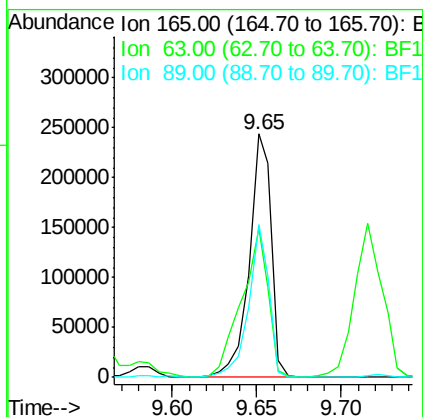
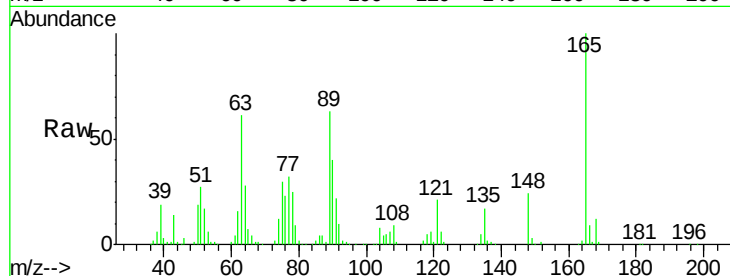
165 100

63 60.9 38.2 57.2#

89 62.7 42.9 64.3

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#52

Acenaphthene

Concen: 41.308 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.02 min

Lab File: BF116267.D

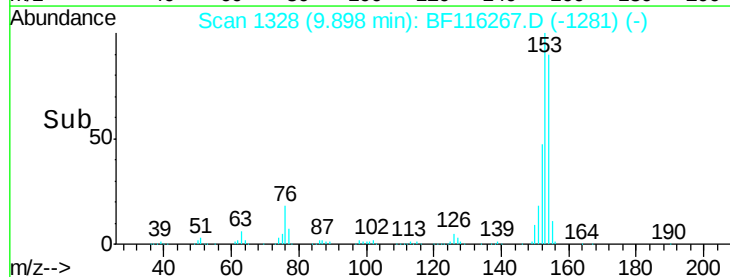
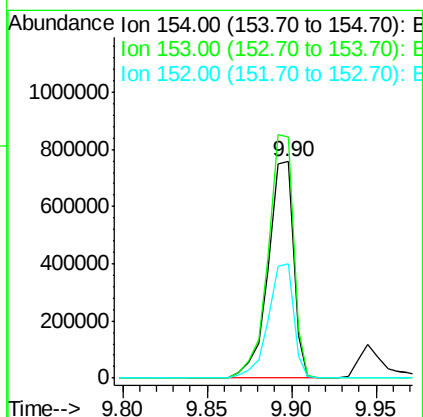
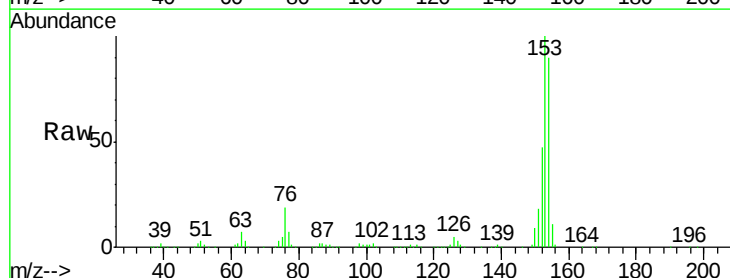
Acq: 14 Aug 2019 18:00

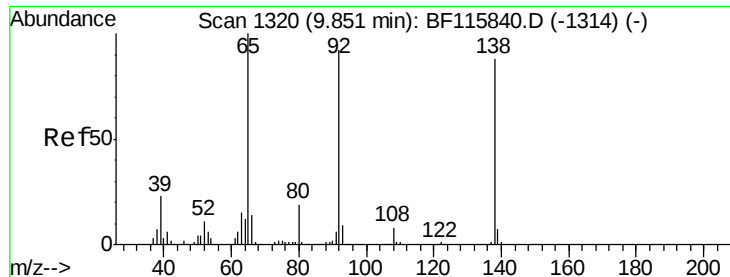
Tgt Ion:154 Resp: 791057
Ion Ratio Lower Upper

154 100

153 111.5 89.4 134.0

152 52.9 42.3 63.5





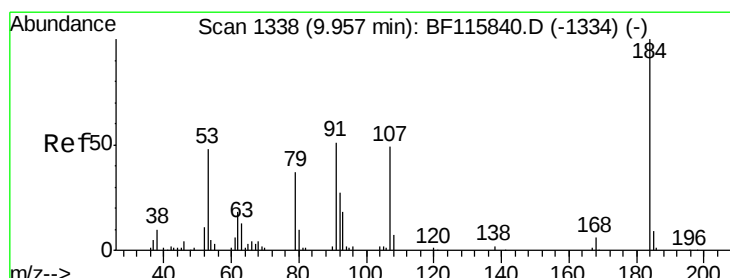
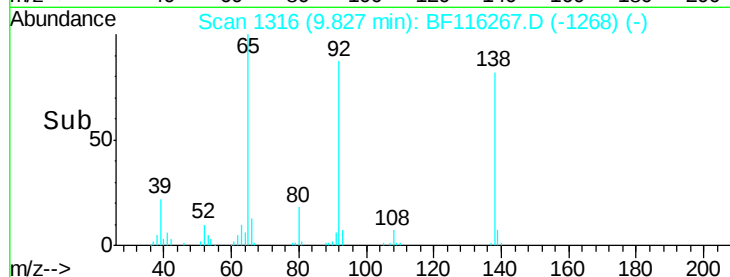
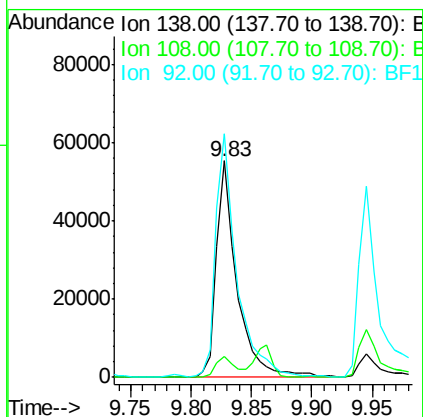
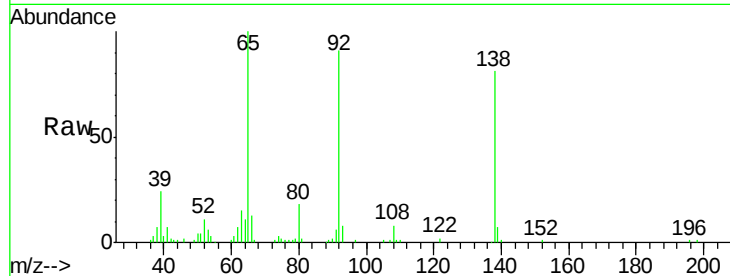
#53
 3-Nitroaniline
 Concen: 9.728 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	9.9	8.0	12.0
92	112.6	91.0	136.6

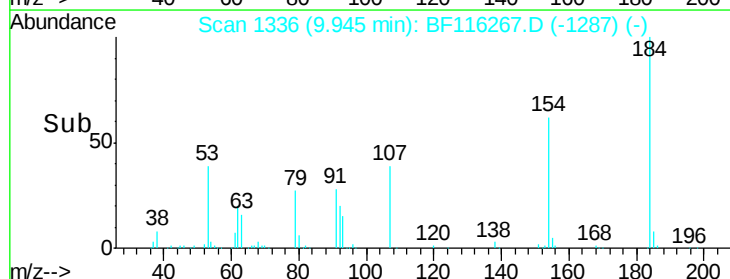
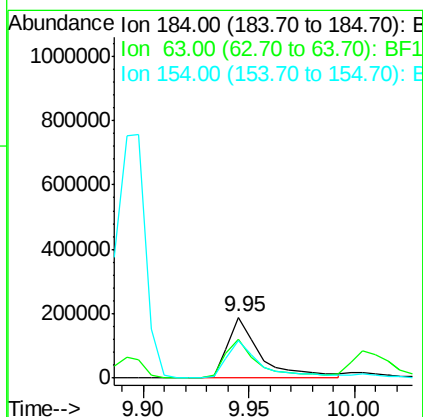
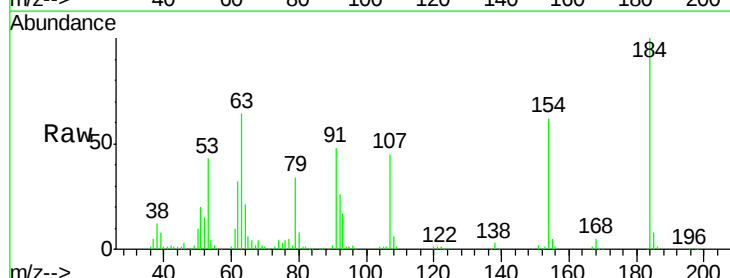
Manual Integrations
 APPROVED

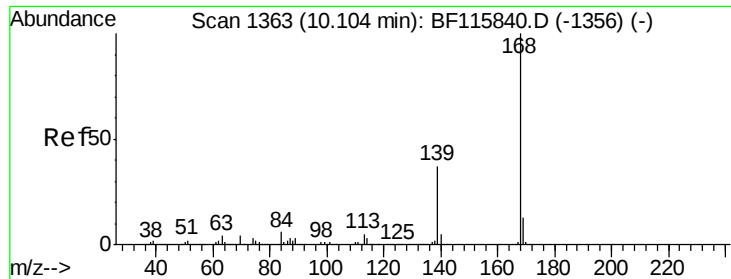
mohammad
 8/19/2019 10:41:52 AM



#54
 2,4-Dinitrophenol
 Concen: 75.596 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
184	100		
63	64.3	53.0	79.4
154	62.2	50.1	75.1





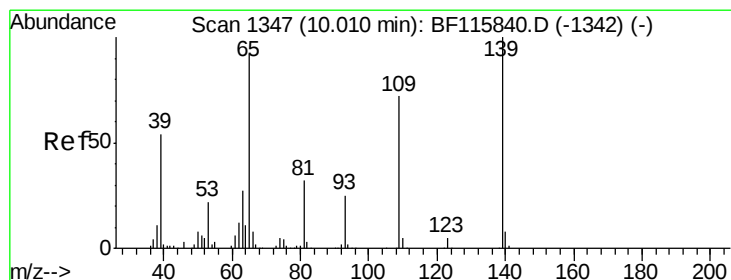
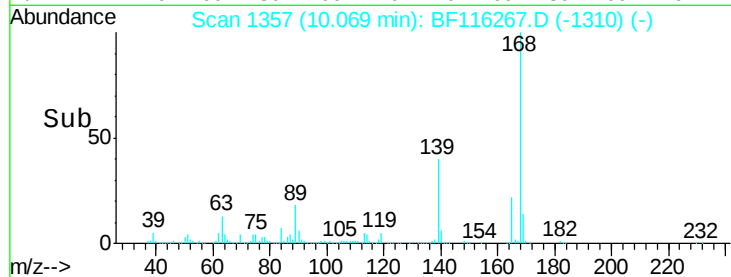
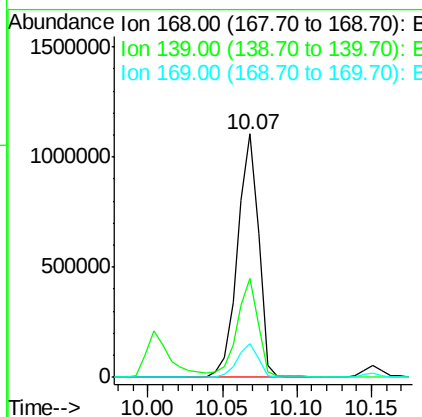
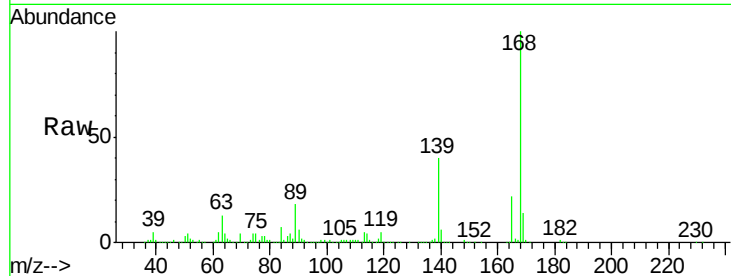
#55
Dibenzofuran
Concen: 39.010 ng
RT: 10.07 min Scan# 1357
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.4	31.4	47.2
169	13.7	10.9	16.3

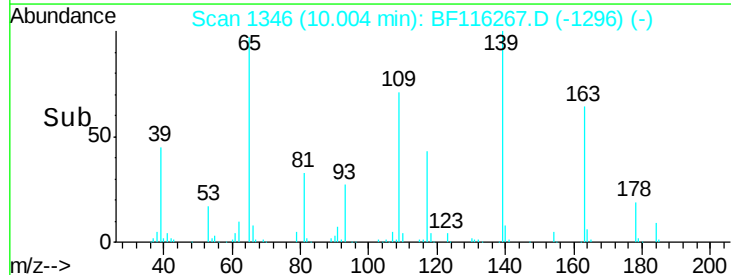
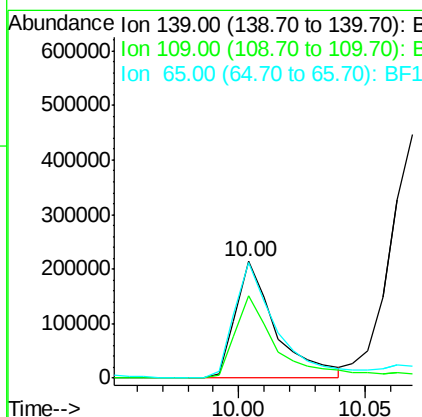
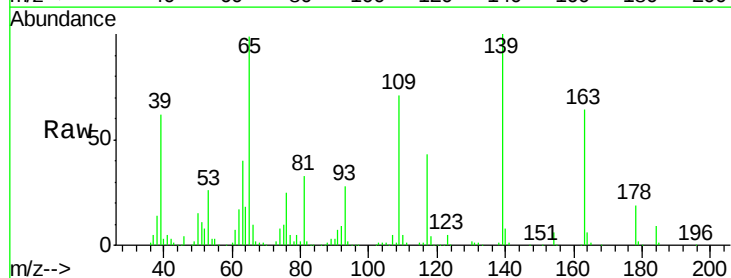
Manual Integrations
APPROVED

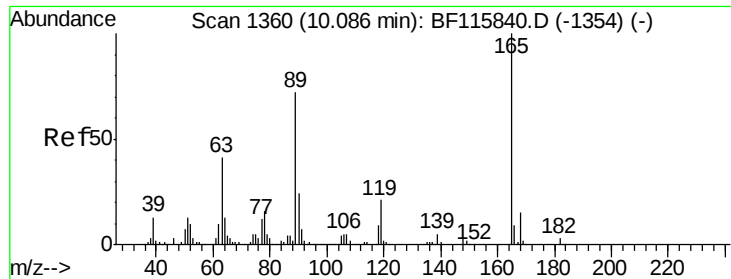
mohammad
8/19/2019 10:41:52 AM



#56
4-Nitrophenol
Concen: 55.192 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.01 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
139	100		
109	71.2	54.4	94.4
65	99.2	80.6	120.6





#57

2,4-Dinitrotoluene

Concen: 36.132 ng

RT: 10.06 min Scan# 1356

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

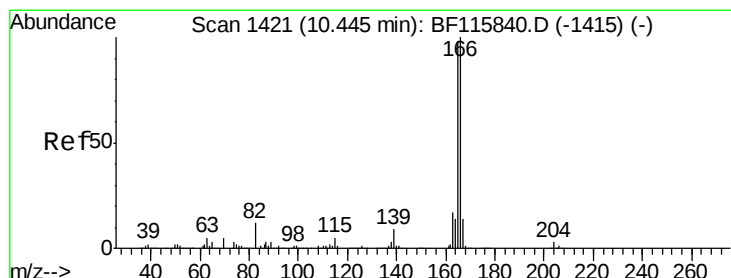
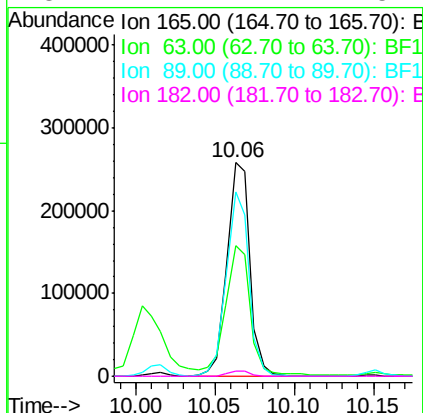
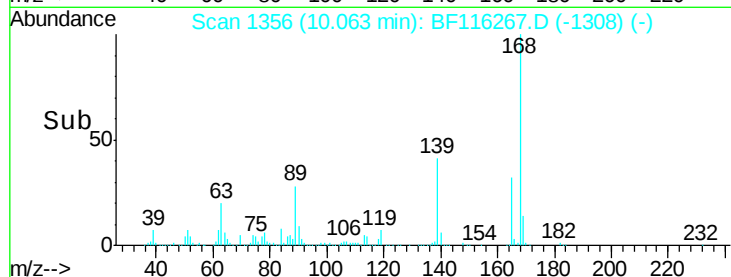
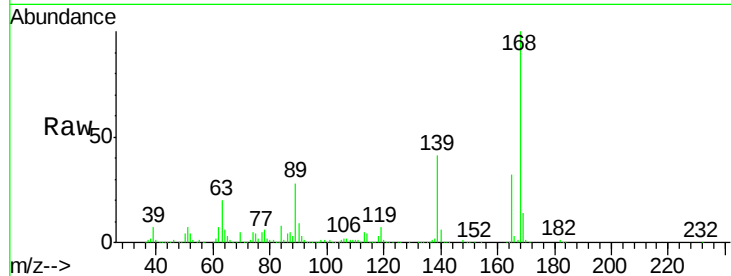
ClientSampleId :

OK-03-081219MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	259199		
63	61.3	39.6	59.4#	
89	86.3	62.2	93.2	
182	2.4	2.1	3.1	

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#58

Fluorene

Concen: 40.896 ng

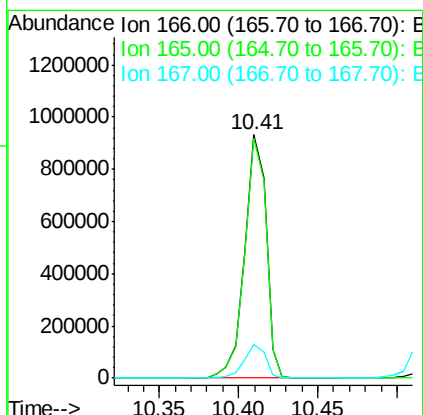
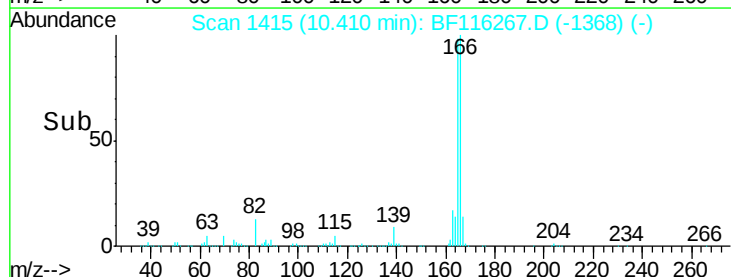
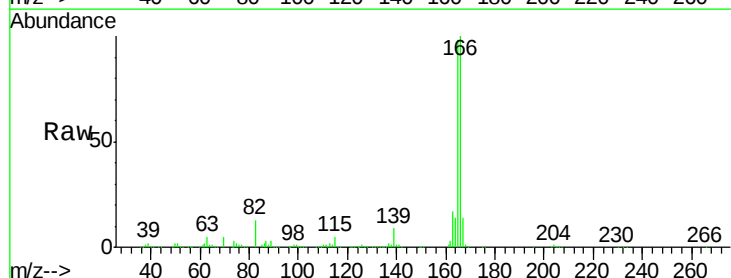
RT: 10.41 min Scan# 1415

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	876260		
165	98.2	78.4	117.6	
167	13.6	11.0	16.4	





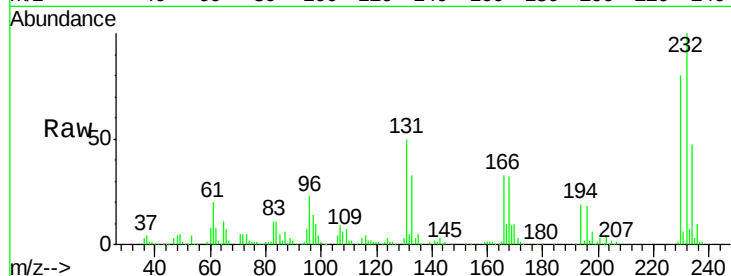
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 41.501 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

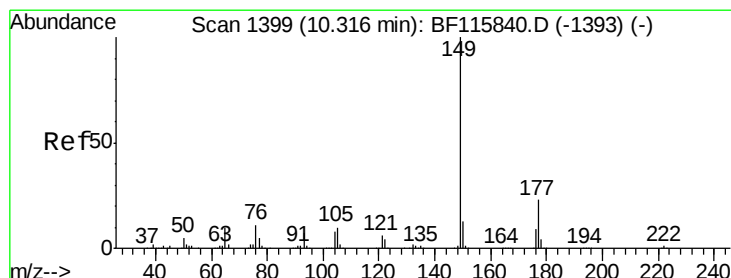
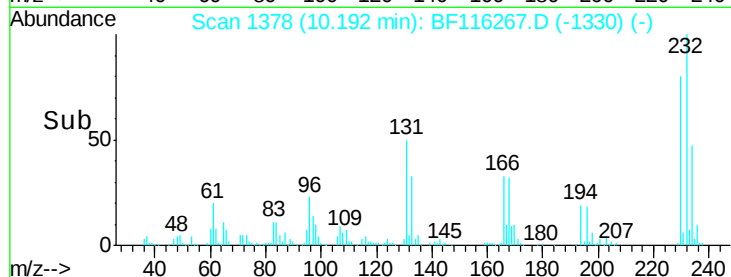
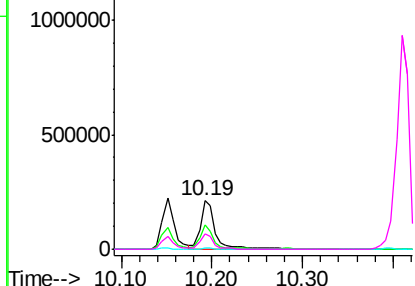
Tot Ion	Ratio	Resp	Lower	Upper
232	100	241833		
131	44.5	36.2	54.2	
130	2.5	1.9	2.9	
166	29.2	23.0	34.4	

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:41:52 AM

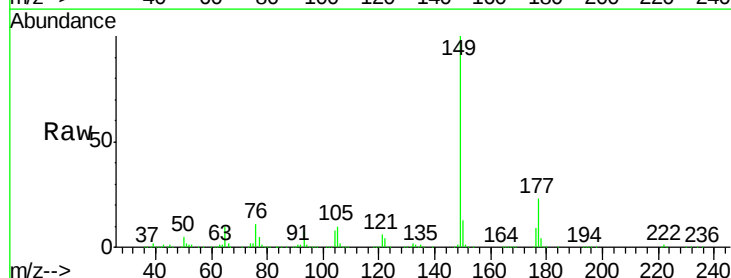


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

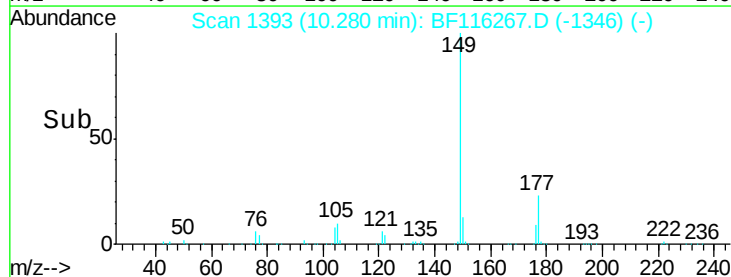
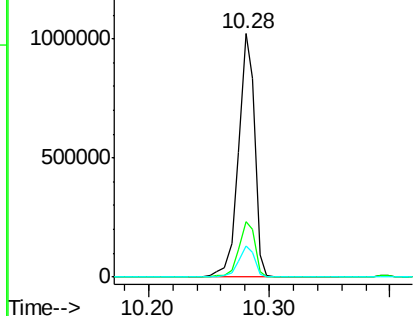


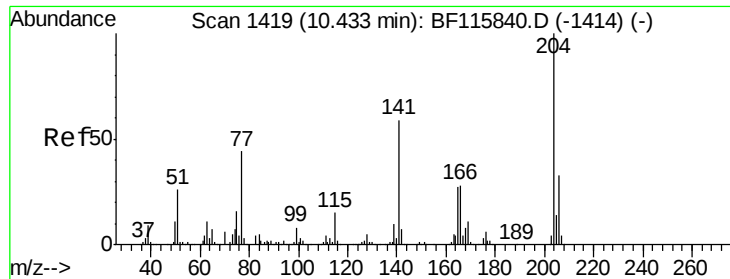
#60
 Diethylphthalate
 Concen: 41.187 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	953374		
177	23.0	18.8	28.2	
150	12.9	10.2	15.4	



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





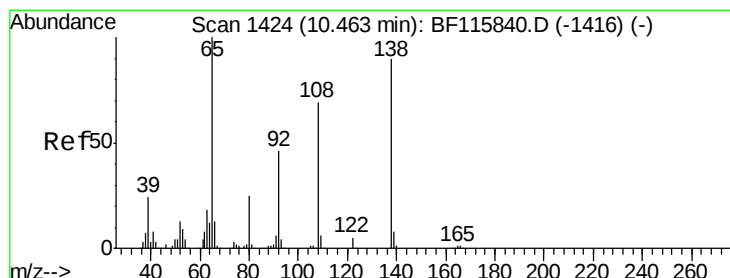
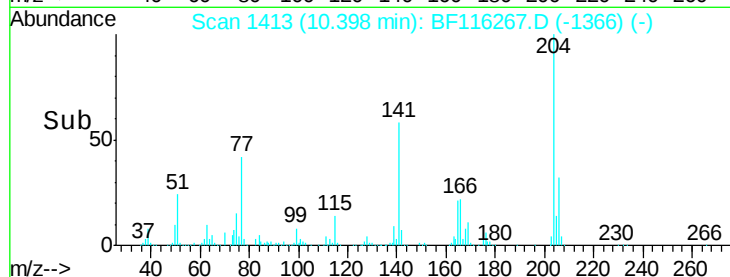
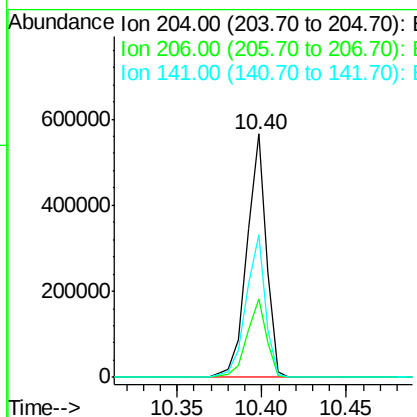
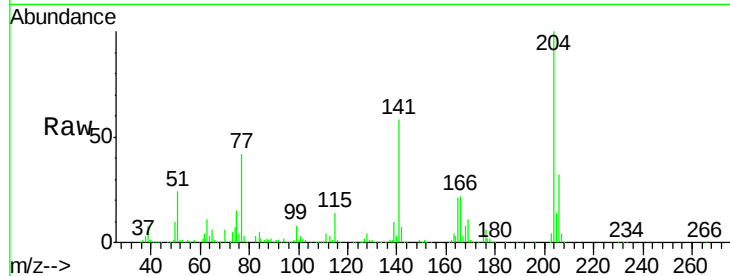
#61
 4-Chlorophenyl-phenylether
 Concen: 41.989 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion:	204	Resp:	455643
Ion Ratio	Lower	Upper	
204	100		
206	32.5	26.4	39.6
141	58.3	46.4	69.6

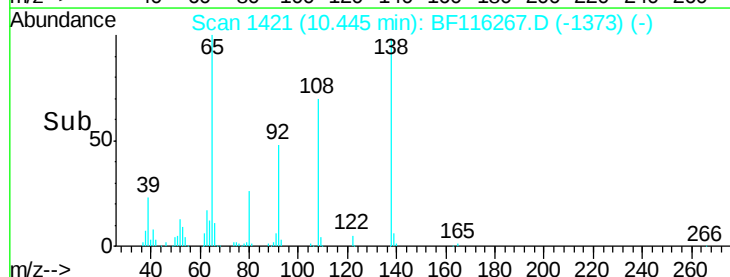
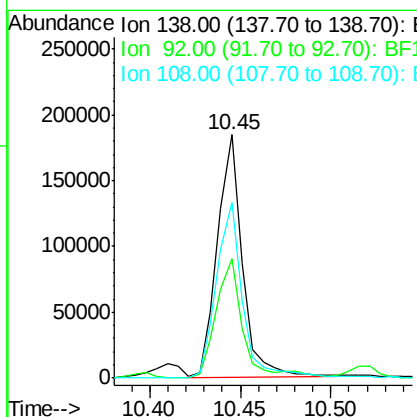
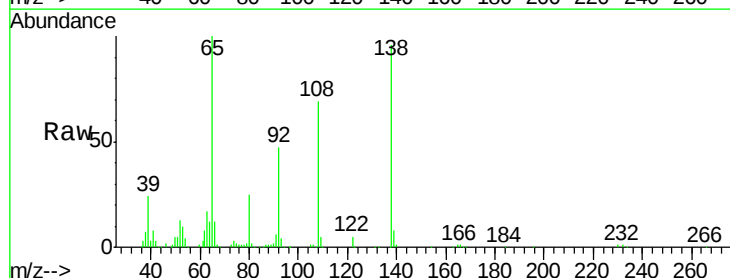
Manual Integrations
 APPROVED

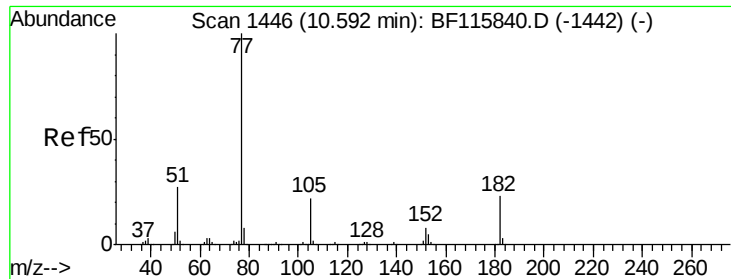
mohammad
 8/19/2019 10:41:52 AM



#62
 4-Nitroaniline
 Concen: 25.599 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion:	138	Resp:	176127
Ion Ratio	Lower	Upper	
138	100		
92	49.1	29.0	69.0
108	72.0	54.7	94.7





#63

Azobenzene

Concen: 41.207 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

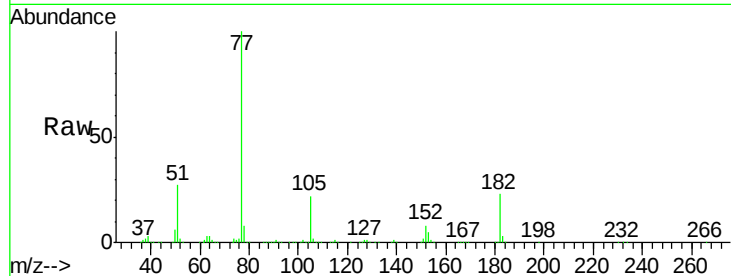
ClientSampleId :

OK-03-081219MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
77	100		981084		
182	23.2	4.0	44.0		
105	21.6	2.0	42.0		
51	27.3	7.5	47.5		

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM

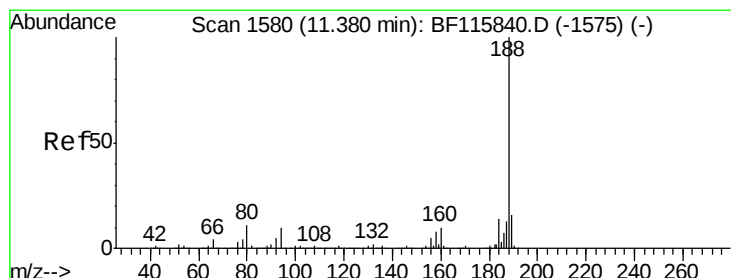
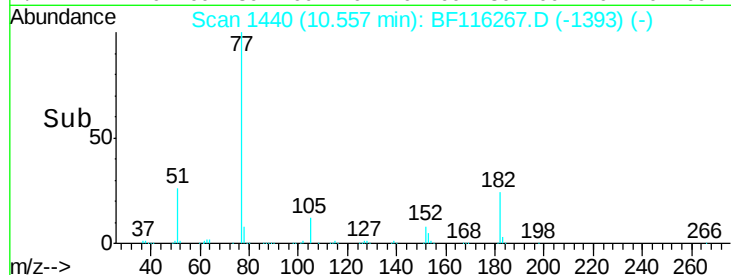
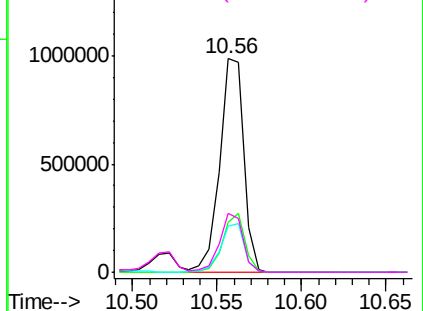


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

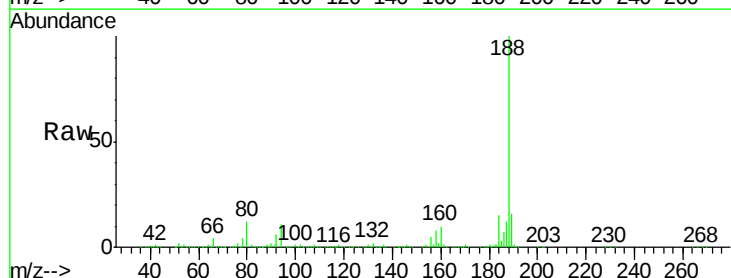
RT: 11.35 min Scan# 1574

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

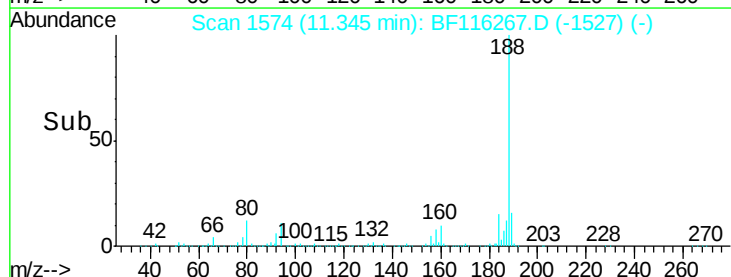
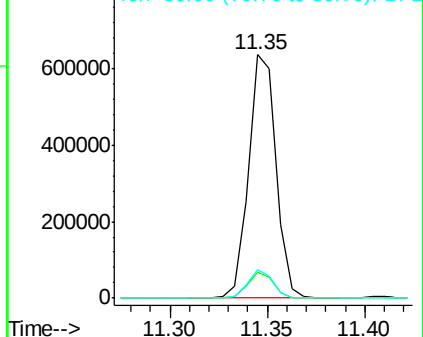
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		617139		
94	10.7	8.1	12.1		
80	11.8	8.7	13.1		

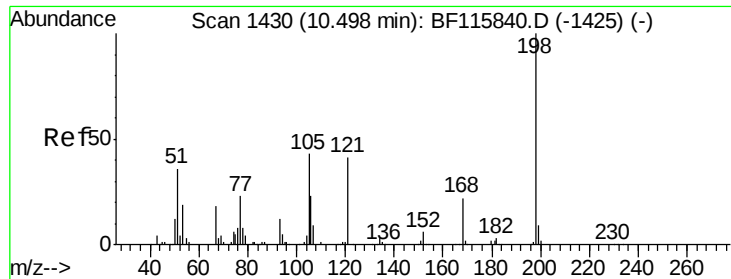


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 44.886 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

ClientSampleId :

OK-03-081219MSD

Tot Ion:198 Resp: 146796

Ion Ratio Lower Upper

198 100

51 39.7 17.0 57.0

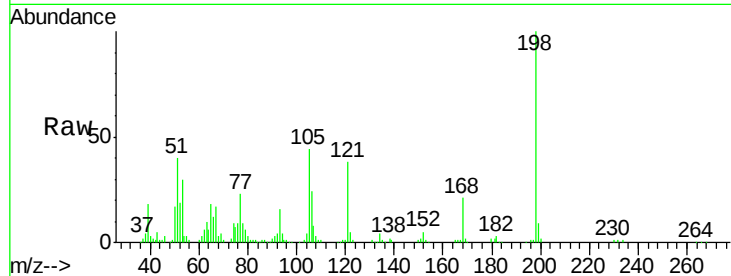
105 43.9 21.6 61.6

Manual Integrations

APPROVED

mohammad

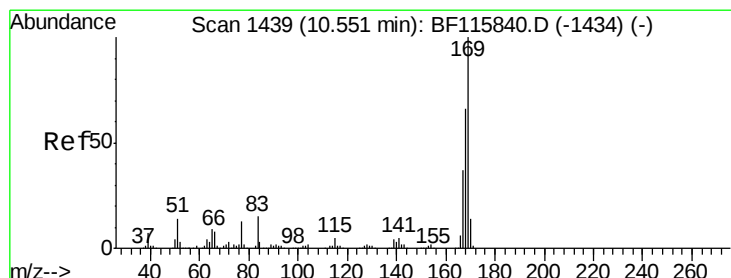
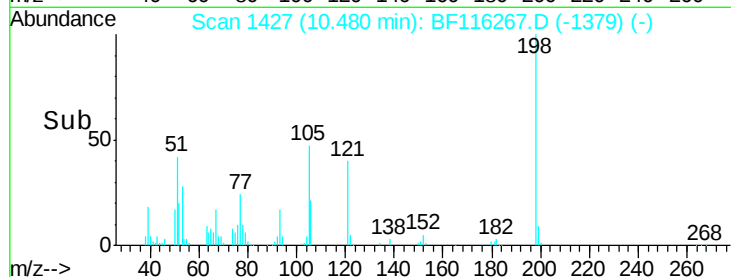
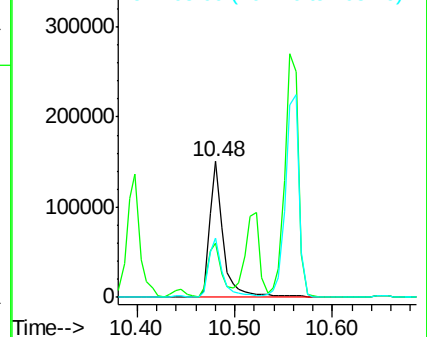
8/19/2019 10:41:52 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 38.748 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

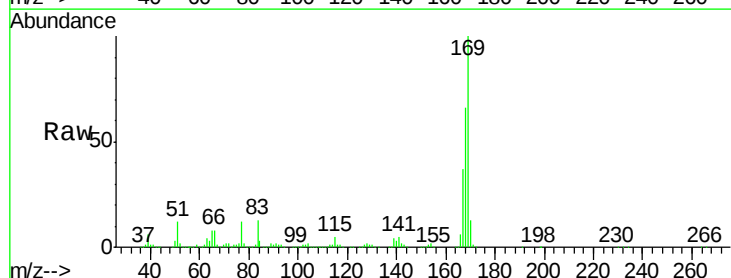
Tgt Ion:169 Resp: 719748

Ion Ratio Lower Upper

169 100

168 66.5 53.8 80.6

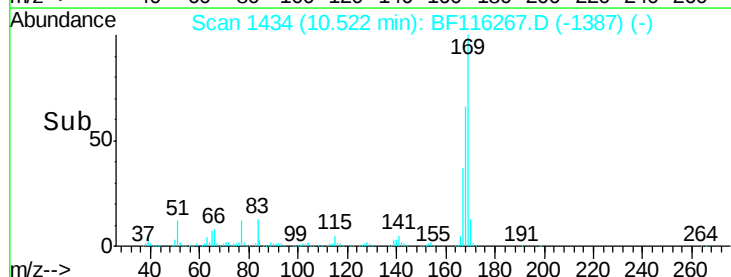
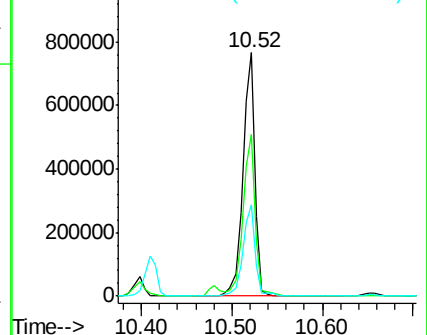
167 37.3 29.6 44.4

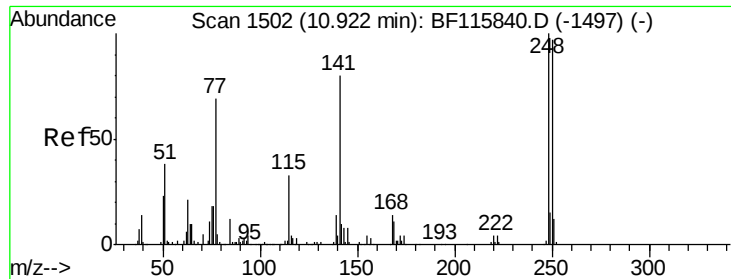


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





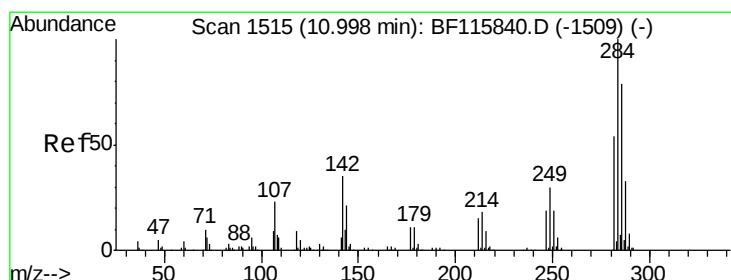
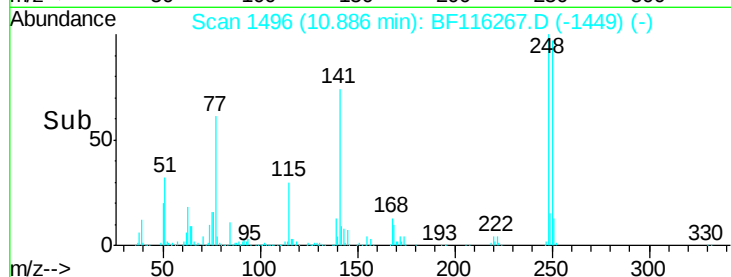
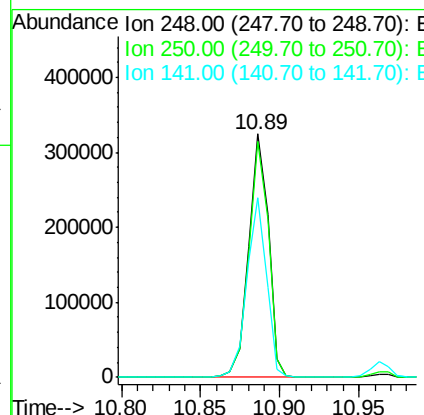
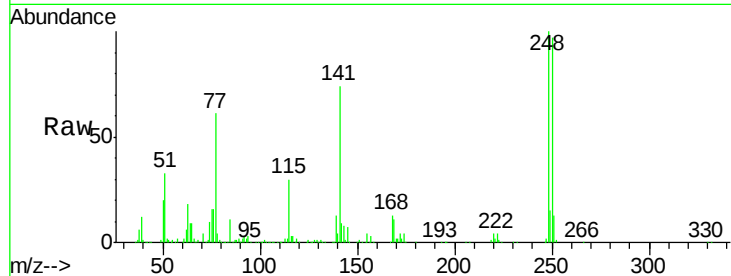
#67
4-Bromophenyl-phenylether
Concen: 42.342 ng
RT: 10.89 min Scan# 1496
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.4	116.2
141	73.7	56.8	85.2

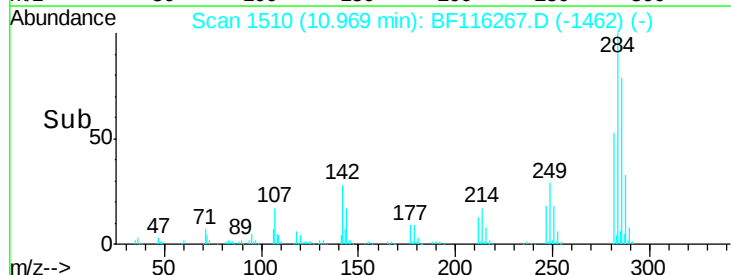
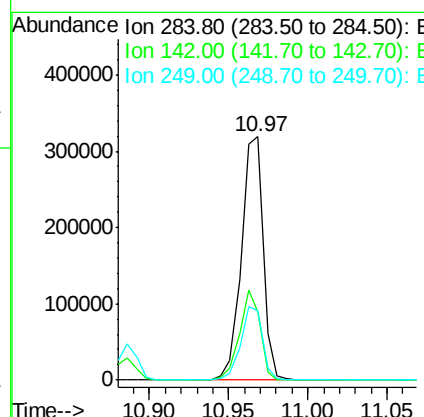
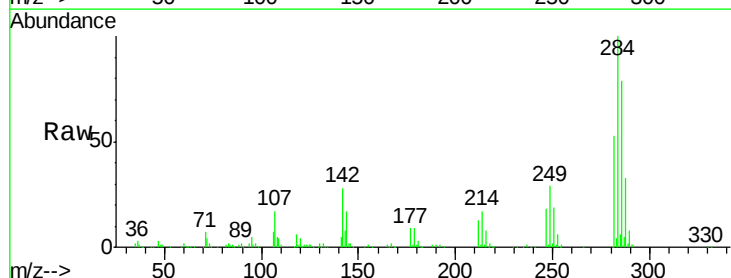
Manual Integrations
APPROVED

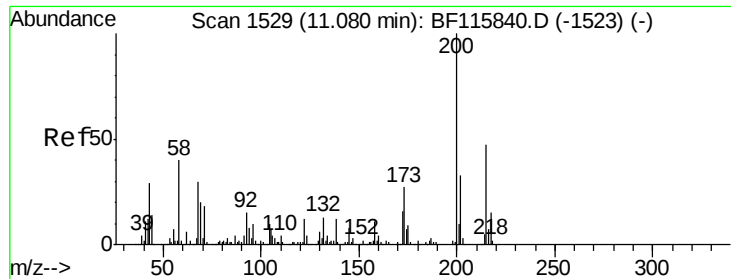
mohammad
8/19/2019 10:41:52 AM



#68
Hexachlorobenzene
Concen: 39.854 ng
RT: 10.97 min Scan# 1510
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.8	28.4	42.6#
249	28.8	24.5	36.7





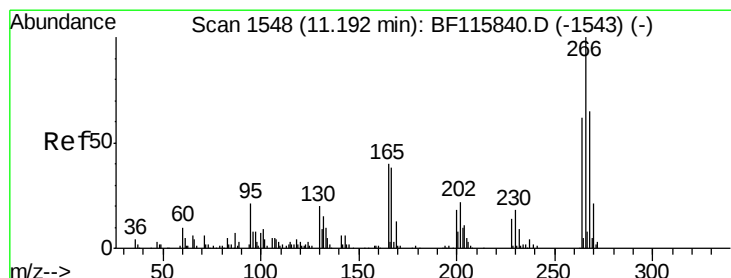
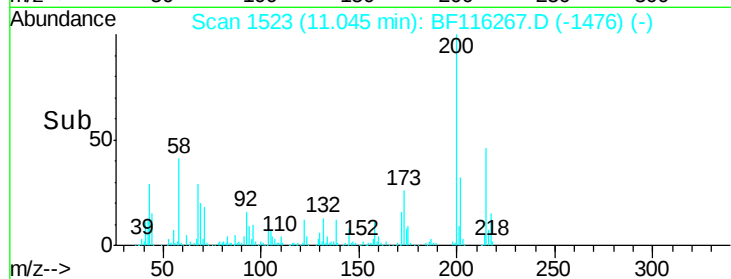
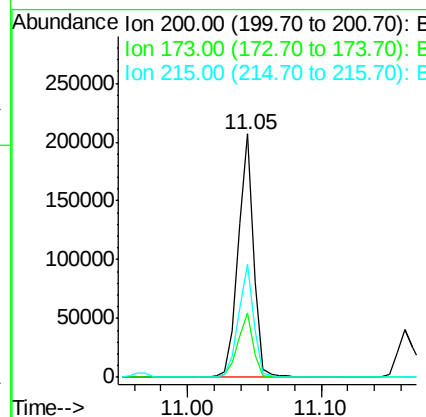
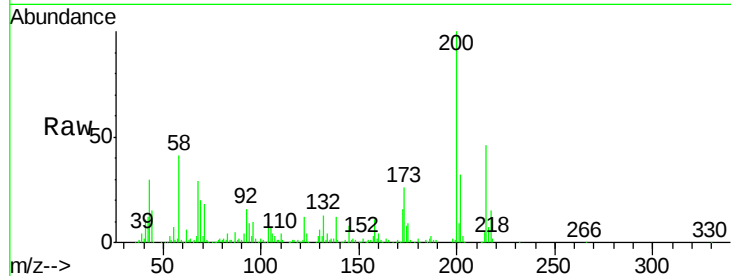
#69
Atrazine
Concen: 27.790 ng
RT: 11.05 min Scan# 1523
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	169819		
173	26.5	6.8	46.8	
215	46.2	27.5	67.5	

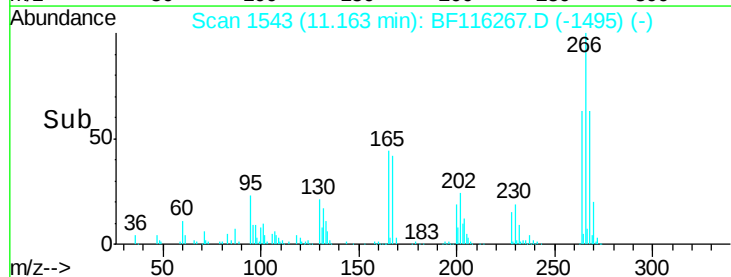
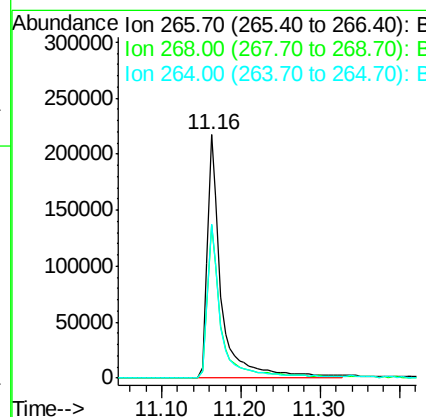
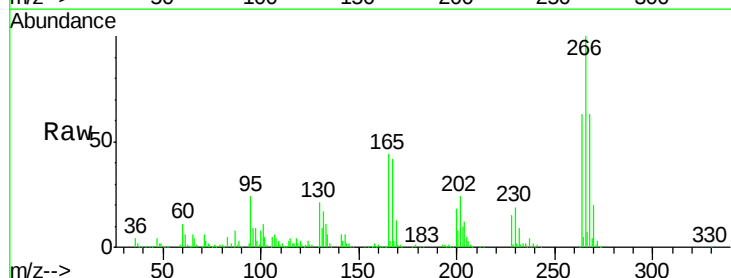
Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#70
Pentachlorophenol
Concen: 74.256 ng
RT: 11.16 min Scan# 1543
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	275405		
268	62.8	48.8	73.2	
264	63.4	50.6	76.0	





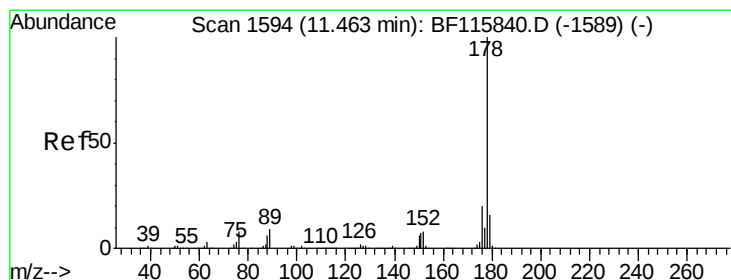
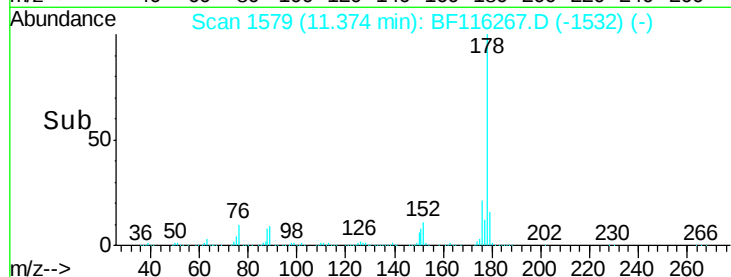
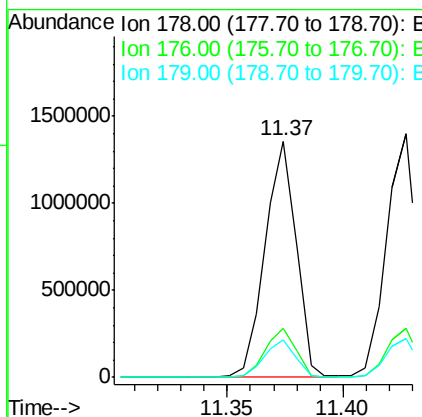
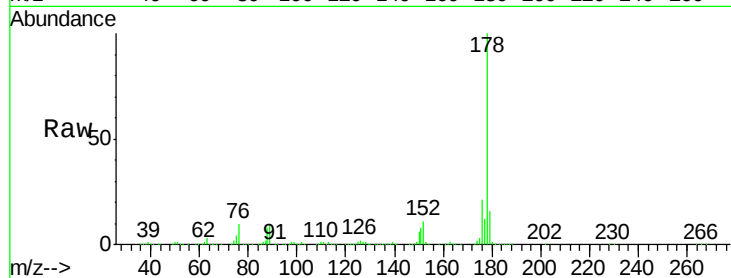
#71
Phenanthrene
Concen: 40.338 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.6	24.8
179	16.0	12.5	18.7

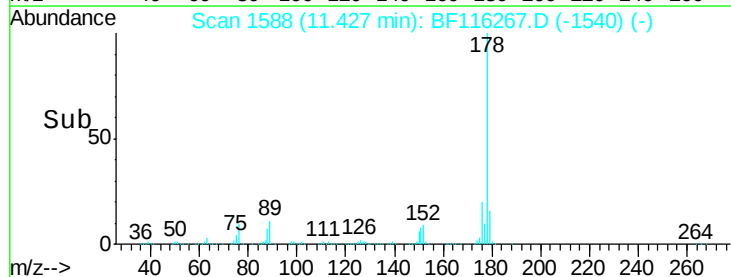
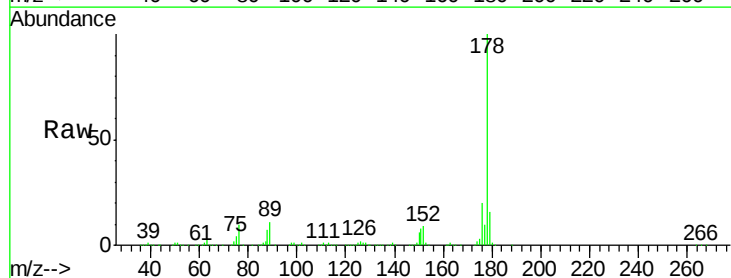
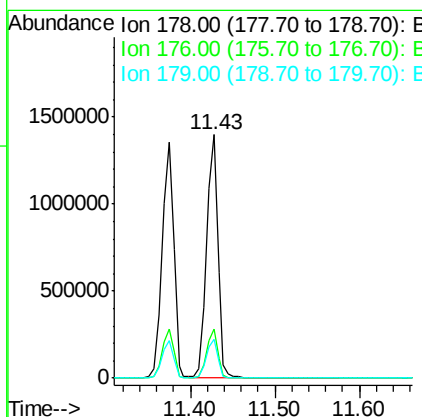
Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



#72
Anthracene
Concen: 41.072 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.7	23.5
179	16.0	13.0	19.6





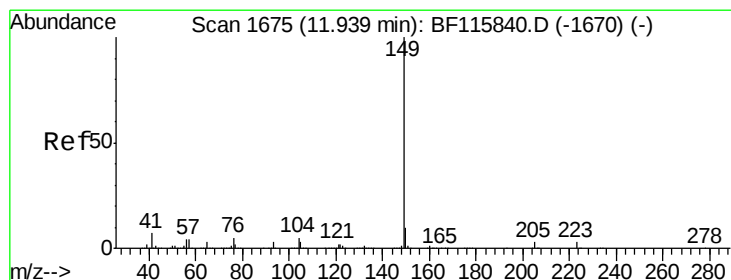
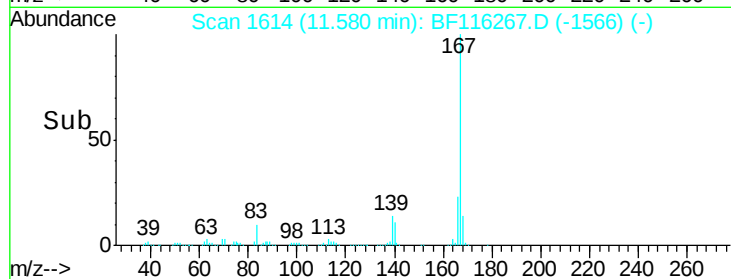
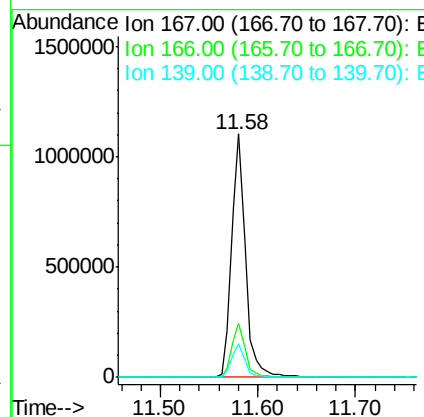
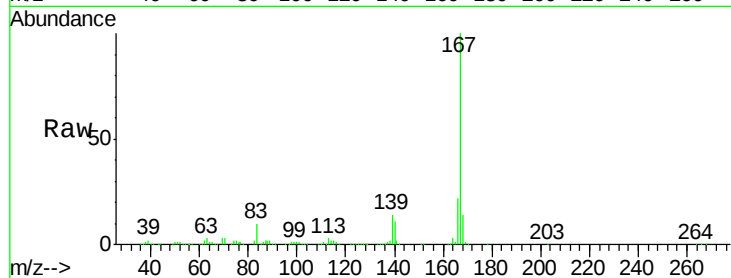
#73
 Carbazole
 Concen: 37.631 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.8	26.6
139	13.9	11.4	17.0

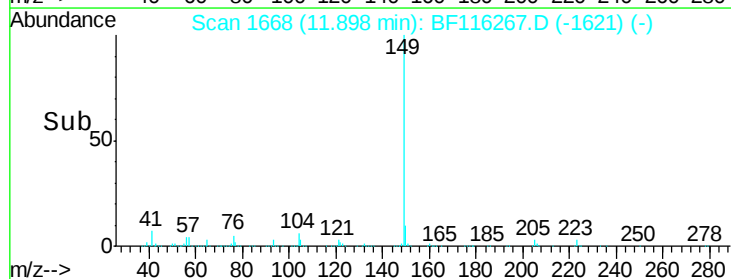
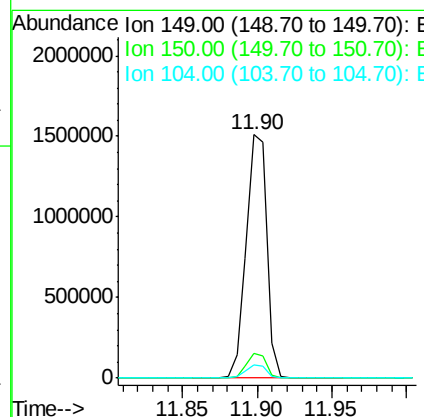
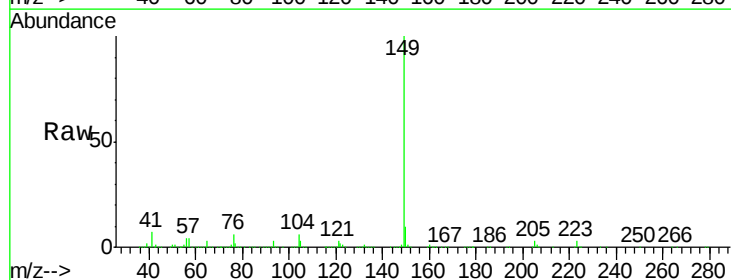
Manual Integrations
 APPROVED

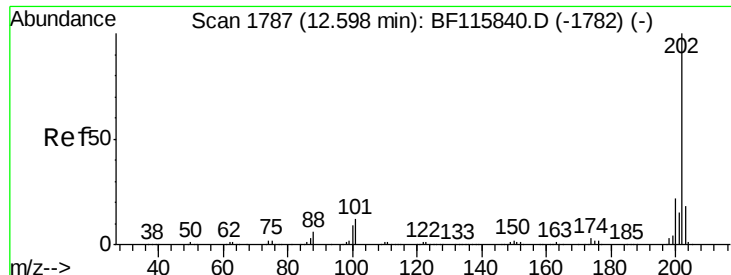
mohammad
 8/19/2019 10:41:52 AM



#74
 Di-n-butylphthalate
 Concen: 43.176 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	8.0	12.0
104	5.6	4.5	6.7





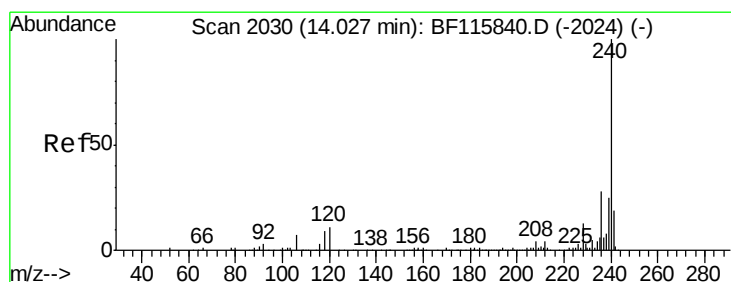
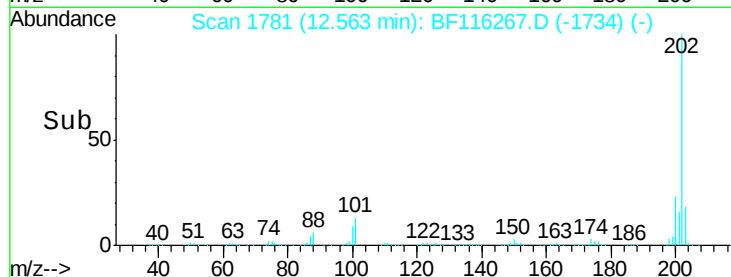
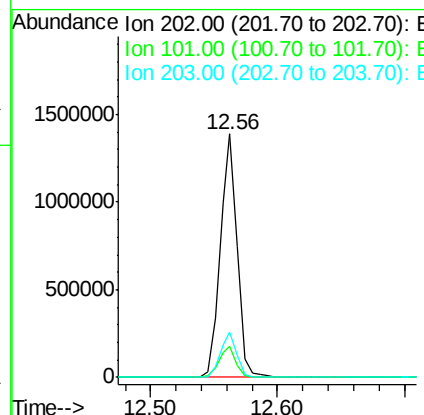
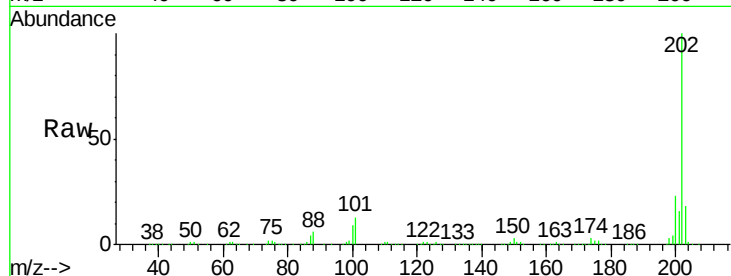
#75
 Fluoranthene
 Concen: 39.340 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion	Ratio	Resp	Lower	Upper
202	100	1299358		
101	12.9		0.0	31.2
203	18.5		0.0	37.8

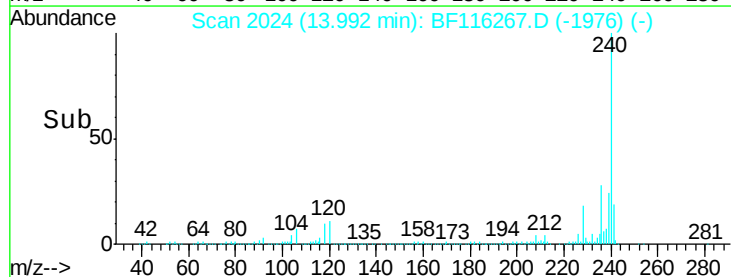
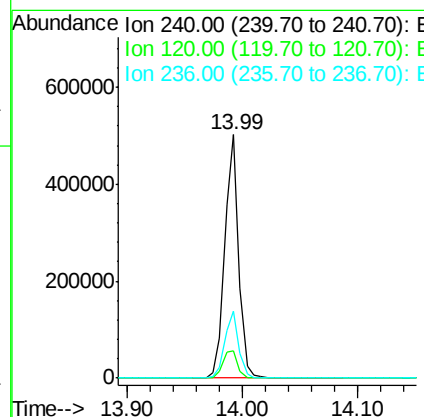
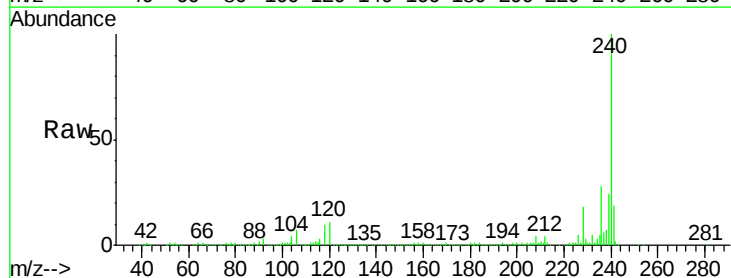
Manual Integrations
 APPROVED

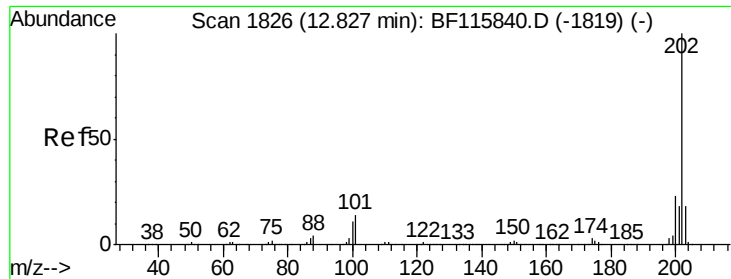
mohammad
 8/19/2019 10:41:52 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	418205		
120	11.0		10.7	16.1
236	27.8		22.2	33.2





#78

Pvrene

Concen: 41.988 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

ClientSampleId :

OK-03-081219MSD

Tot Ion:202 Resp: 1323679

Ion Ratio Lower Upper

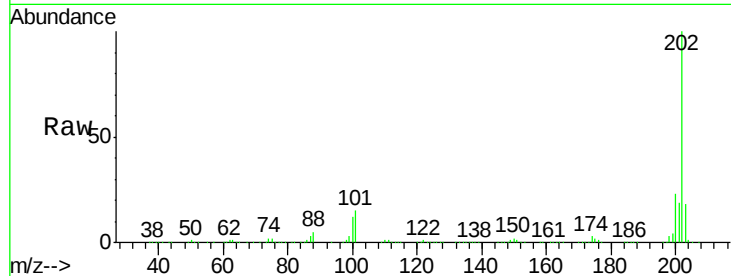
202 100

200 22.9 18.0 27.0

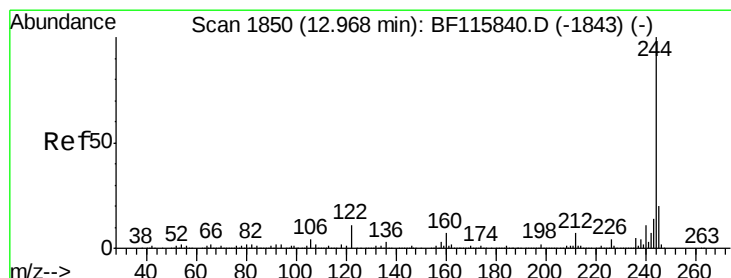
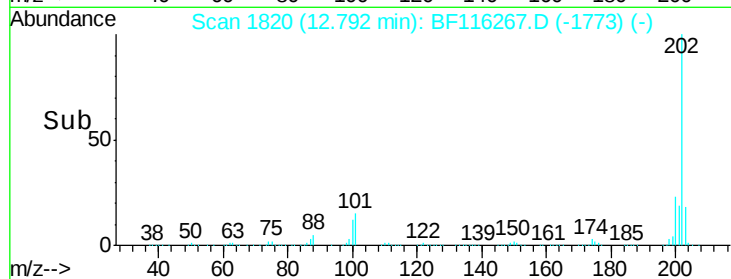
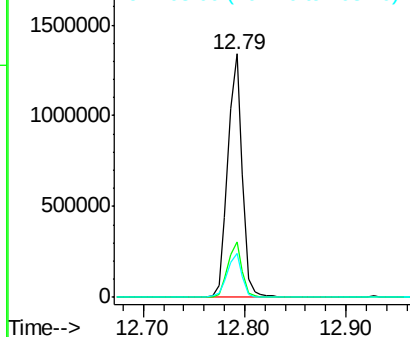
203 18.2 14.1 21.1

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



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: 90.294 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

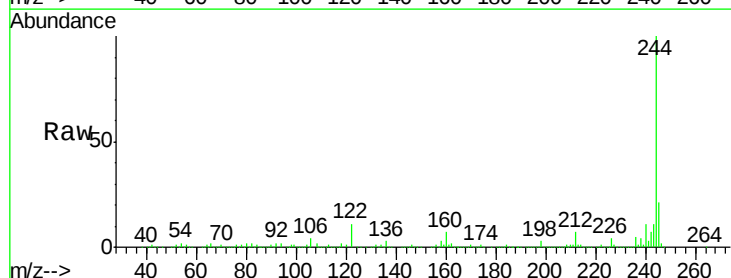
Tgt Ion:244 Resp: 1792057

Ion Ratio Lower Upper

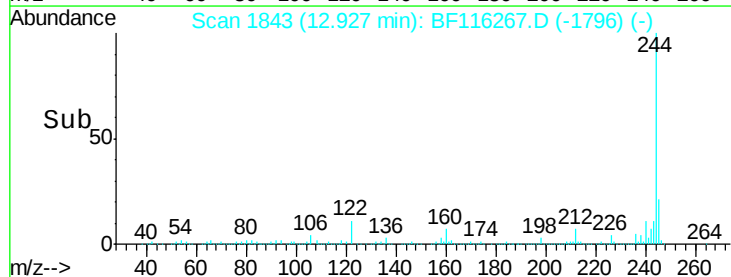
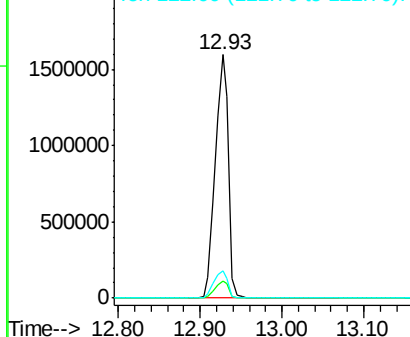
244 100

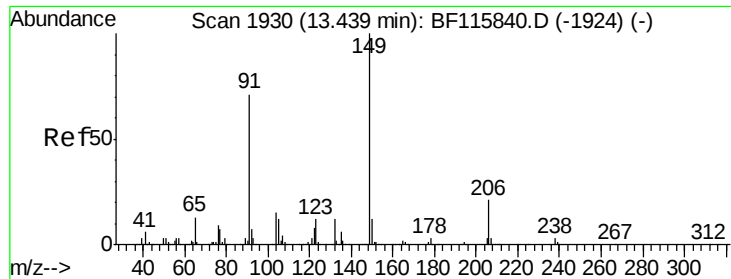
212 7.2 5.8 8.8

122 11.3 9.0 13.4



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





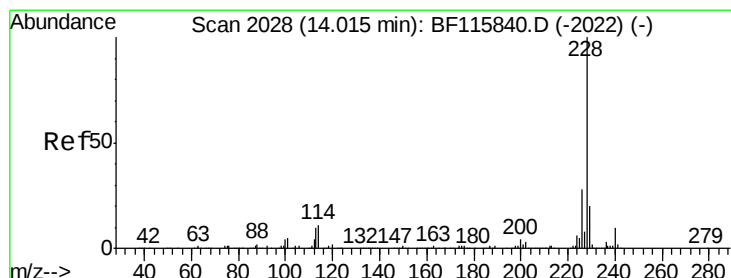
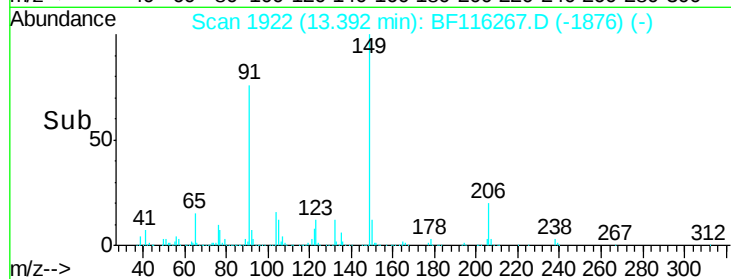
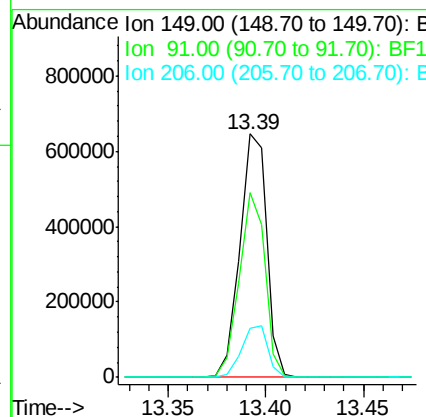
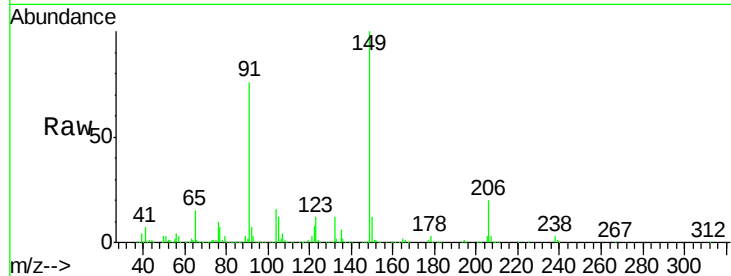
#80
Butylbenzylphthalate
Concen: 46.380 ng
RT: 13.39 min Scan# 1922
Delta R.T. -0.03 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
149	100		618492		
91	76.0	56.3		84.5	
206	20.3	18.0		27.0	

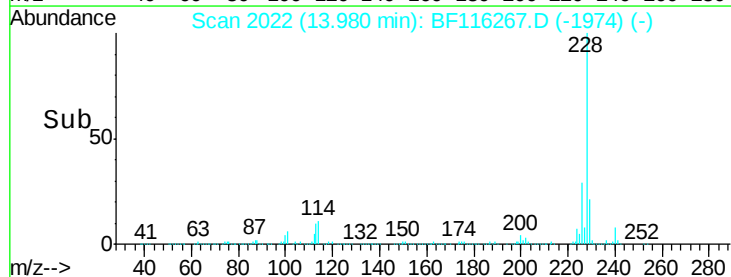
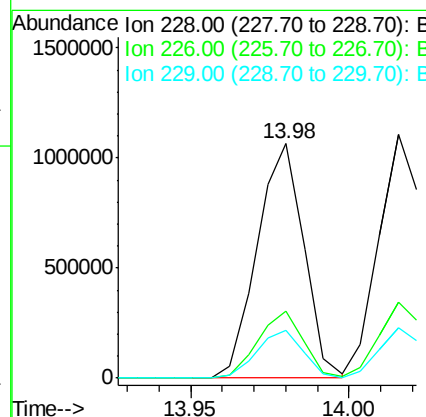
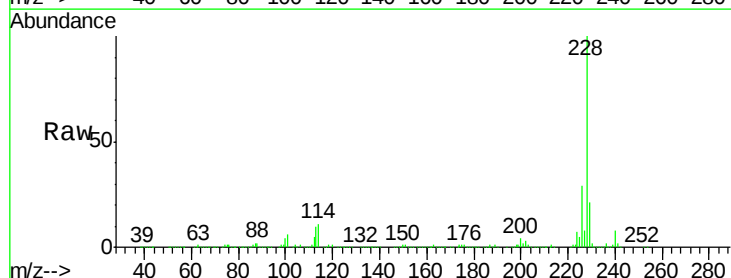
Manual Integrations
APPROVED

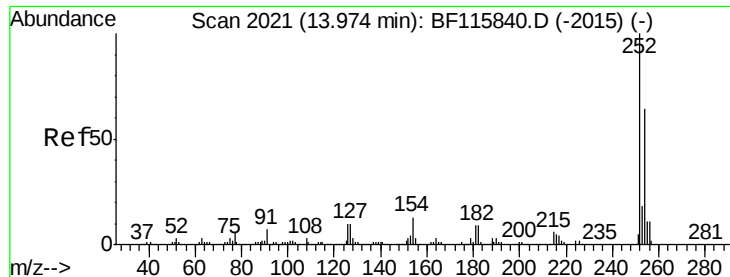
mohammad
8/19/2019 10:41:52 AM



#81
Benzo(a)anthracene
Concen: 40.509 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		1082806		
226	28.7	22.7		34.1	
229	20.5	16.2		24.4	





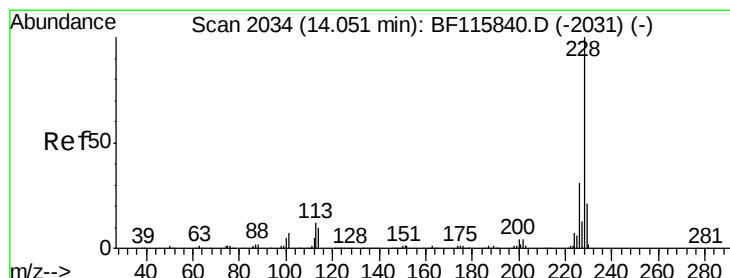
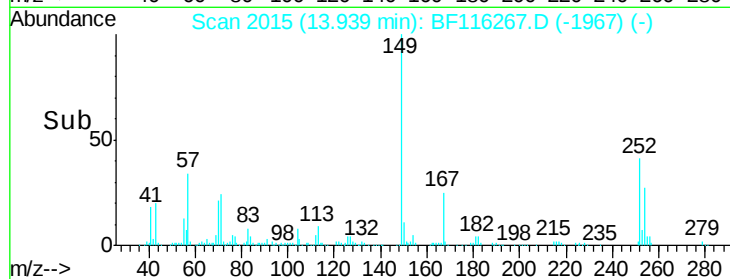
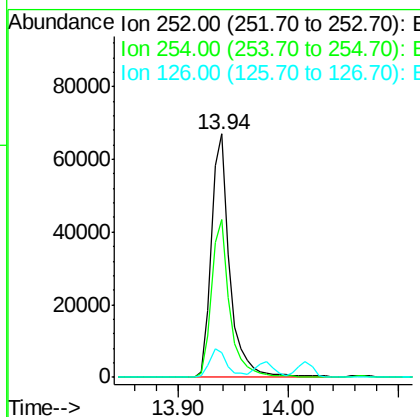
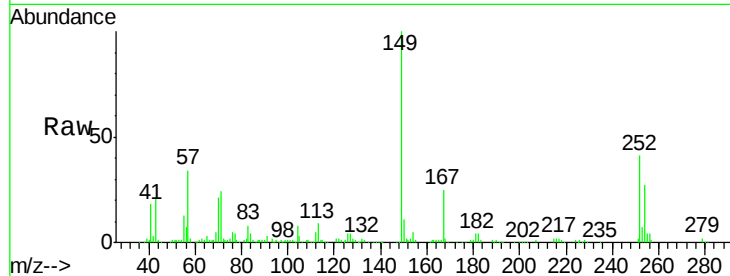
#82
 3,3'-Dichlorobenzidine
 Concen: 8.205 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
252	100		
254	64.7	50.9	76.3
126	10.0	9.8	14.8

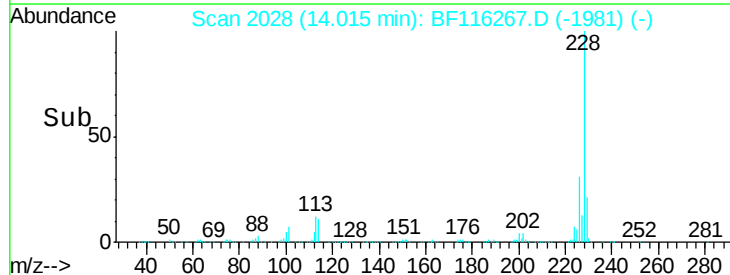
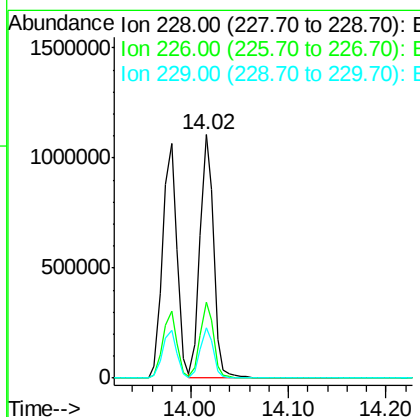
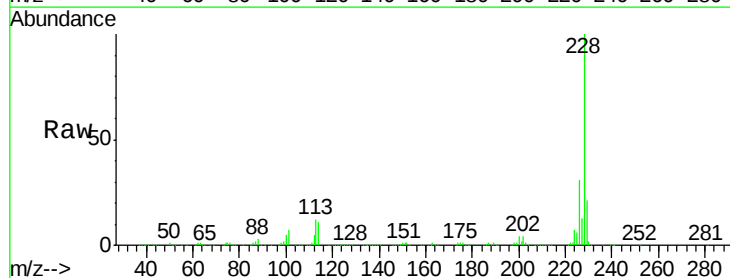
Manual Integrations
 APPROVED

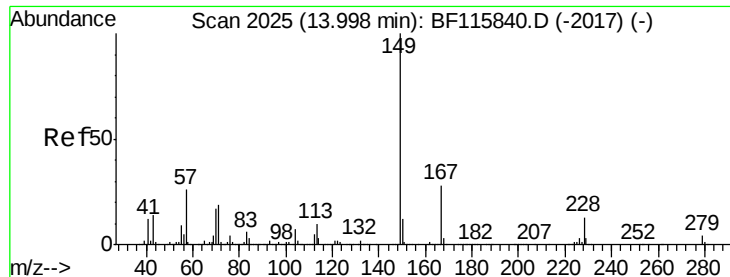
mohammad
 8/19/2019 10:41:52 AM



#83
 Chrysene
 Concen: 41.214 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.5	38.3
229	20.5	16.6	24.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 50.333 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.02 min

Lab File: BF116267.D

Acq: 14 Aug 2019 18:00

Instrument :

BNA_F

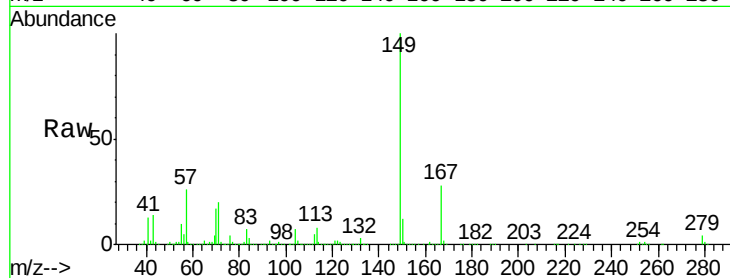
ClientSampleId :

OK-03-081219MSD

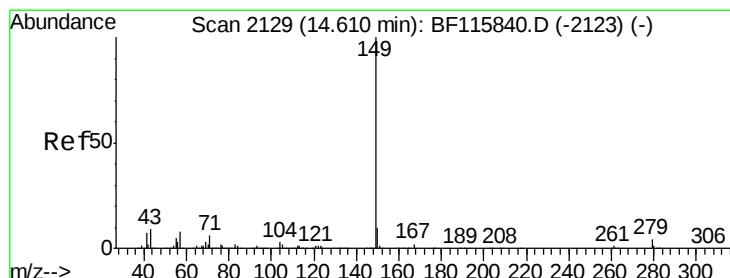
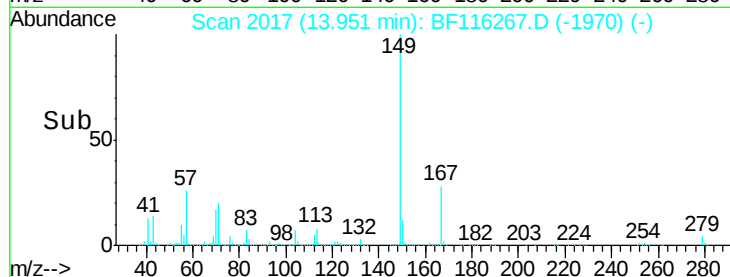
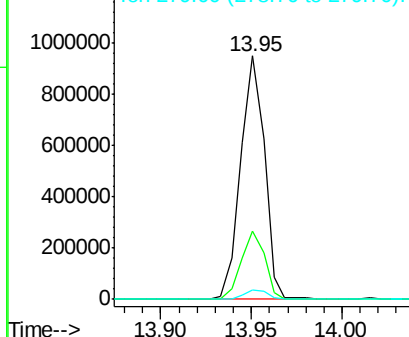
Tot Ion:	149	Resp:	872223
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.6	32.4
279	4.0	3.0	4.4

Manual Integrations
APPROVED

mohammad
8/19/2019 10:41:52 AM



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#85

Di-n-octyl phthalate

Concen: 48.619 ng

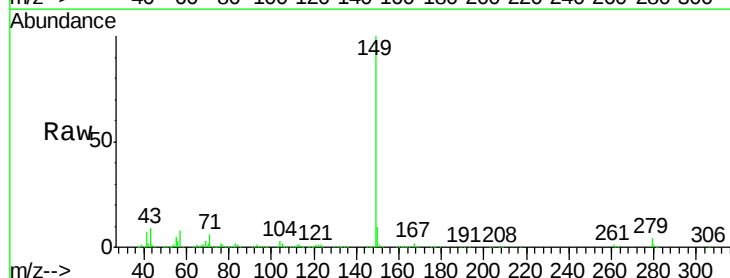
RT: 14.56 min Scan# 2120

Delta R.T. -0.03 min

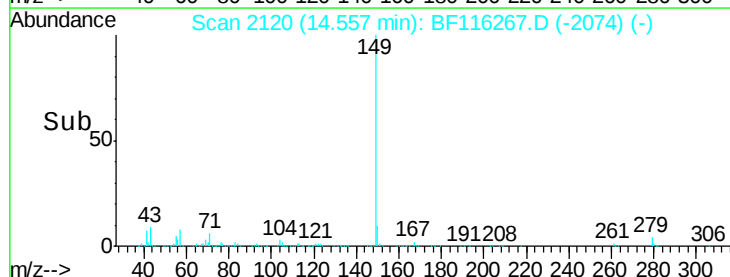
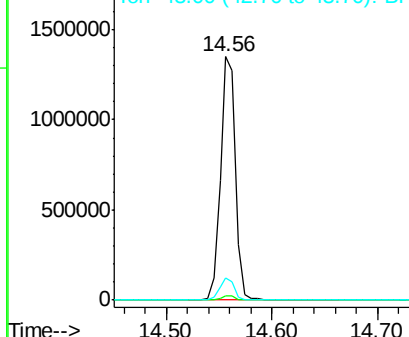
Lab File: BF116267.D

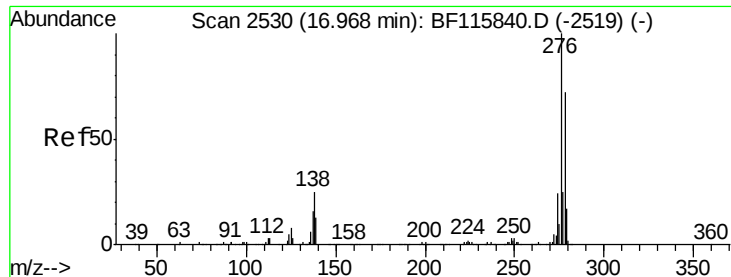
Acq: 14 Aug 2019 18:00

Tgt Ion:	149	Resp:	1338225
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.4	2.0
43	9.0	7.5	11.3



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





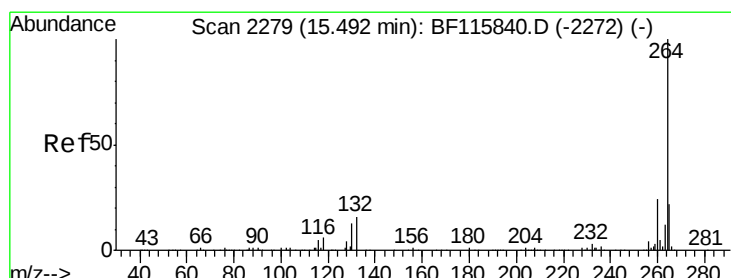
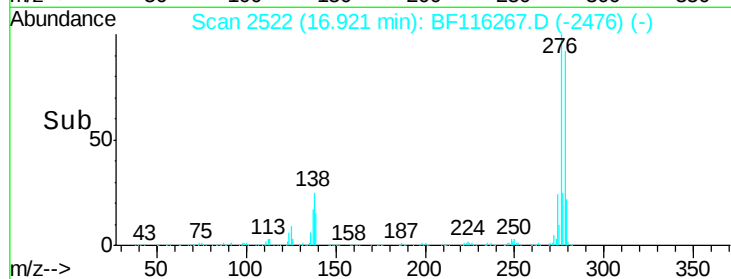
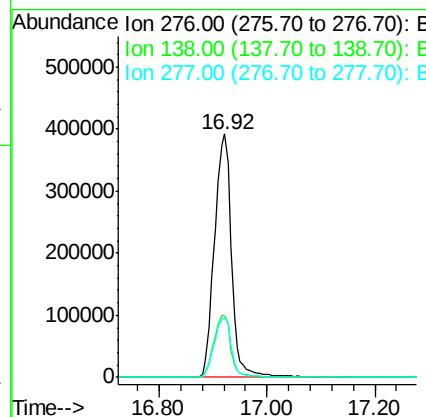
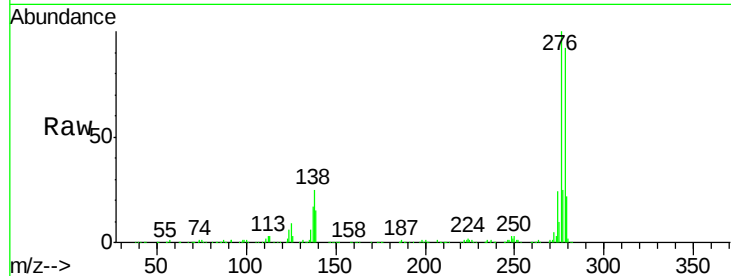
#86
Indeno(1,2,3-cd)pyrene
Concen: 39.526 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.03 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.4	30.6
277	24.9	20.0	30.0

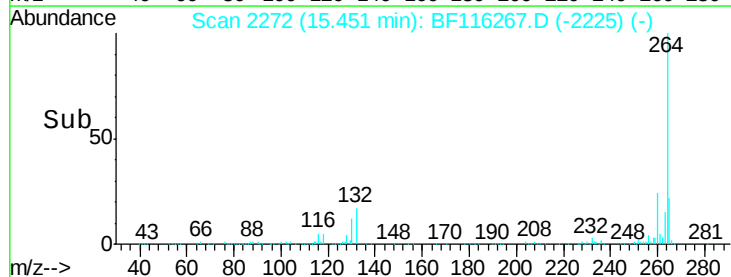
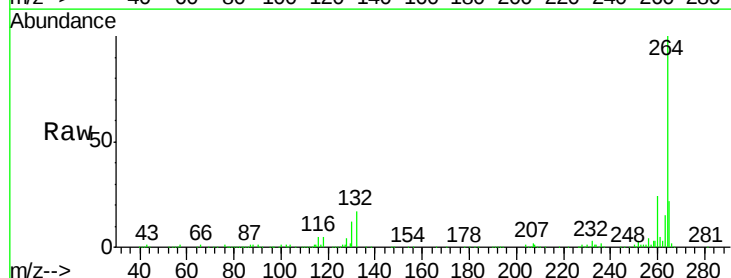
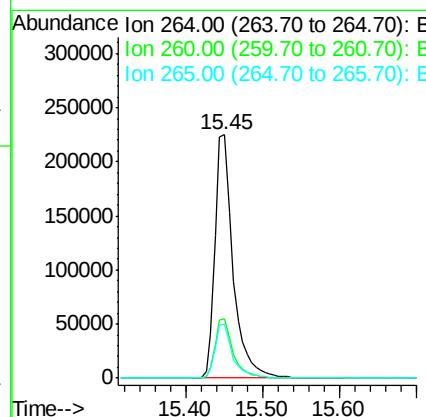
Manual Integrations
APPROVED

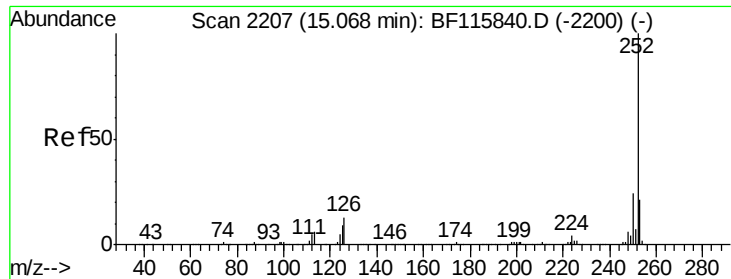
mohammad
8/19/2019 10:41:52 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.7	29.5
265	22.1	17.4	26.0





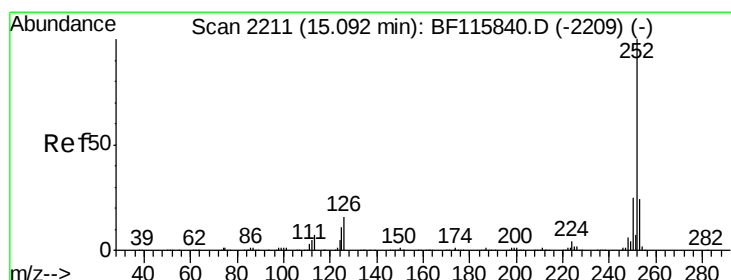
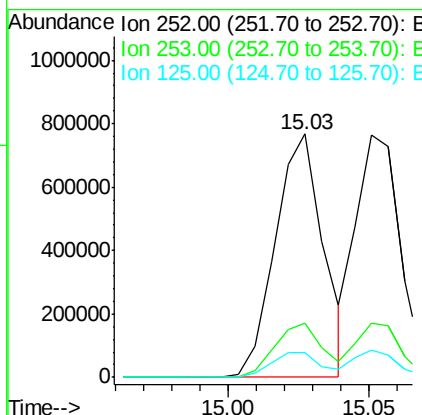
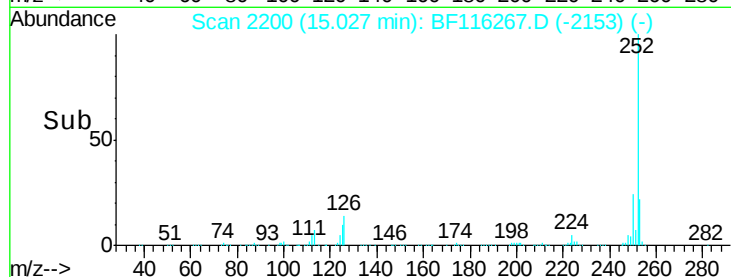
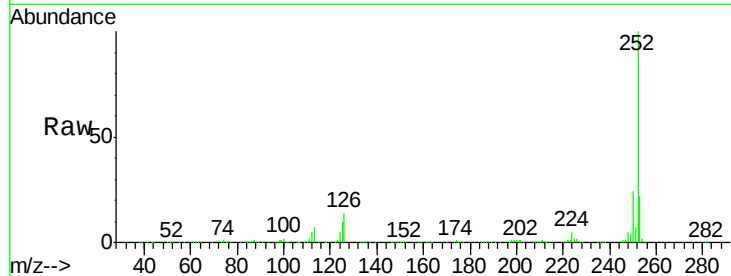
#88
Benzo(b)fluoranthene
Concen: 43.032 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.3	8.4	12.6

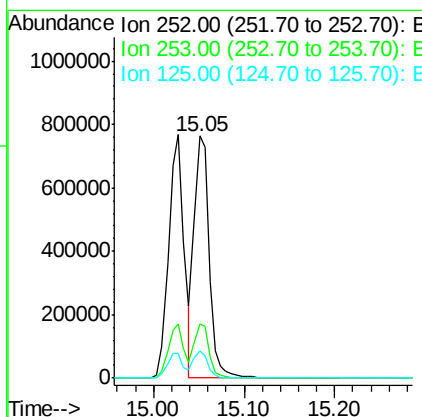
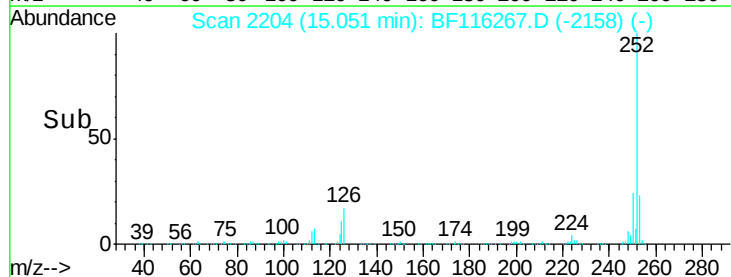
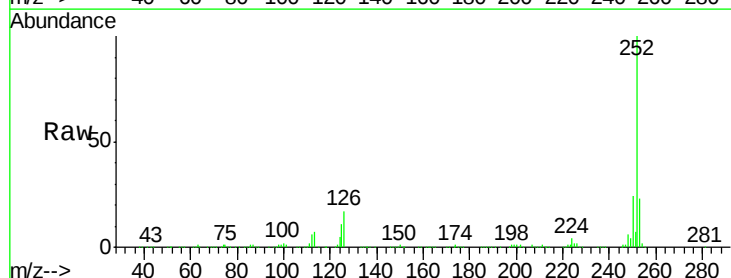
Manual Integrations
APPROVED

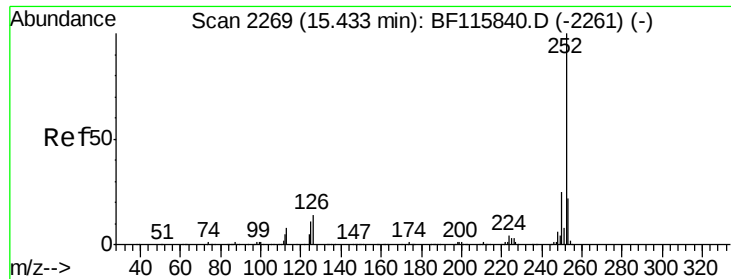
mohammad
8/19/2019 10:41:52 AM



#89
Benzo(k)fluoranthene
Concen: 42.266 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.03 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.4	7.7	11.5





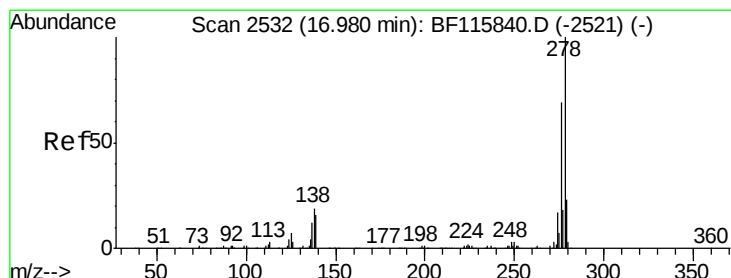
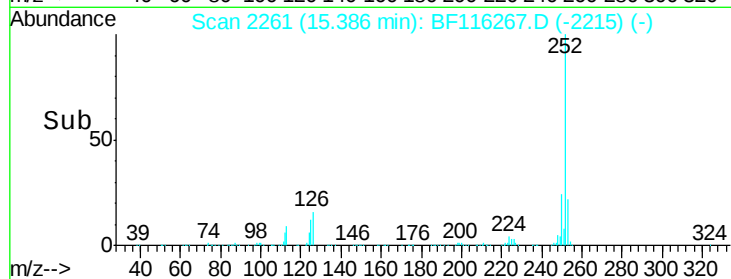
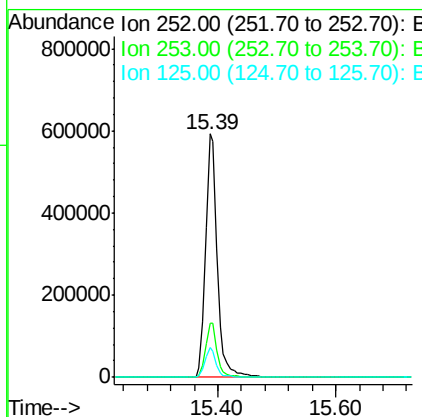
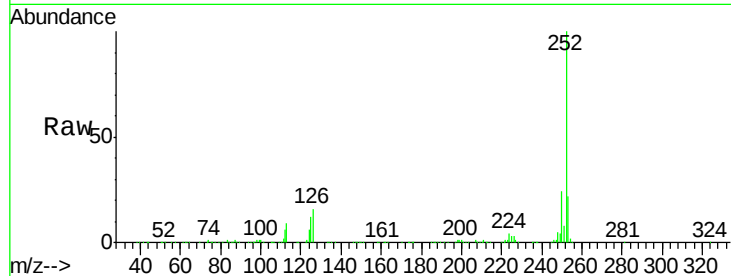
#90
Benzo(a)pyrene
Concen: 43.436 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.03 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Instrument :
BNA_F
ClientSampleId :
OK-03-081219MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	12.5	8.9	13.3

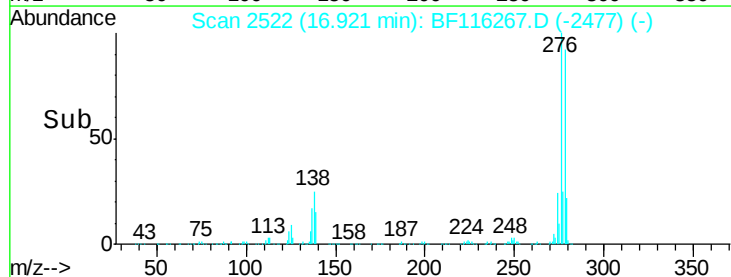
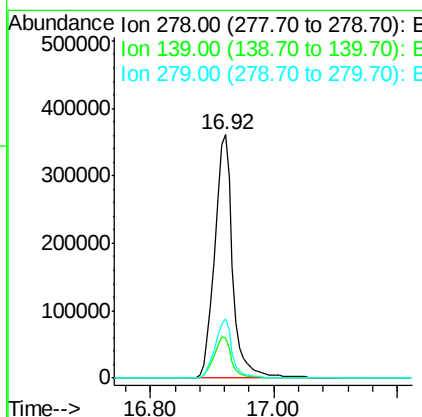
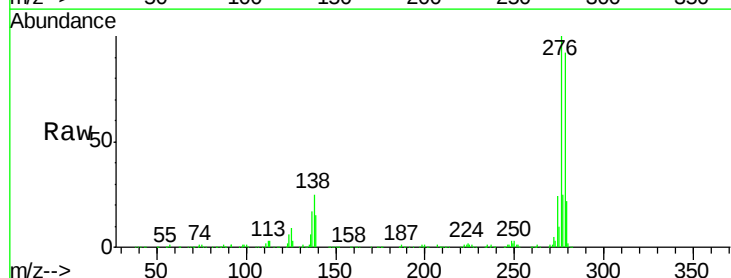
Manual Integrations
APPROVED

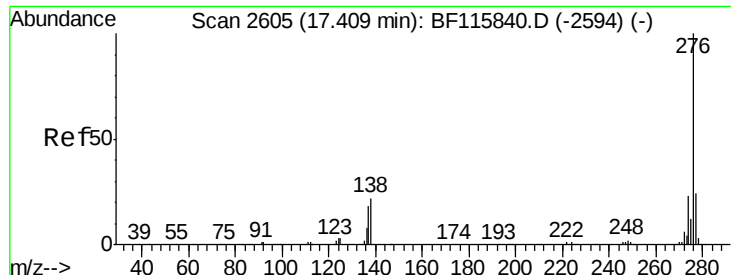
mohammad
8/19/2019 10:41:52 AM



#91
Dibenzo(a,h)anthracene
Concen: 44.624 ng
RT: 16.92 min Scan# 2522
Delta R.T. -0.04 min
Lab File: BF116267.D
Acq: 14 Aug 2019 18:00

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.6	12.8	19.2
279	24.4	18.8	28.2





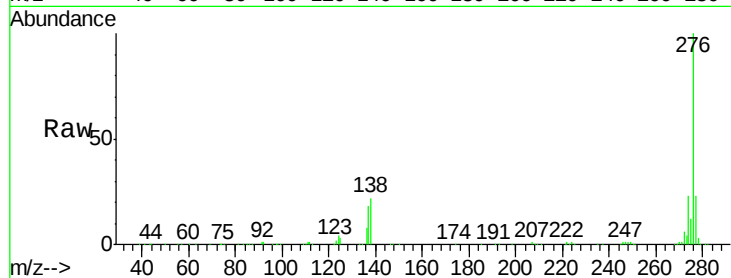
#92
 Benzo(a,h,i)perylene
 Concen: 44.553 ng
 RT: 17.36 min Scan# 2596
 Delta R.T. -0.03 min
 Lab File: BF116267.D
 Acq: 14 Aug 2019 18:00

Instrument :
 BNA_F
 ClientSampleId :
 OK-03-081219MSD

Tot Ion:	276	Resp:	713205
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.4	27.6
138	22.0	17.0	25.6

Manual Integrations
 APPROVED

mohammad
 8/19/2019 10:41:52 AM



Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

