

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
 Data File : BF112538.D
 Acq On : 13 Feb 2019 14:53
 Operator : JU/SJ
 Sample : K1343-09 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-E

Quant Time: Feb 14 04:10:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	111190	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	408231	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	172260	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	305838	20.00	ng	0.00
76) Chrysene-d12	14.02	240	288584	20.00	ng	0.00
87) Perylene-d12	15.50	264	208650	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	107491	20.53	ng	0.00
7) Phenol-d6	6.49	99	132224	18.18	ng	0.00
23) Nitrobenzene-d5	7.40	82	79845	11.27	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	32378	16.15	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	165985	13.63	ng	-0.01
79) Terphenyl-d14	12.94	244	163956	10.70	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.62	77	3013	0.792	ng	# 78
10) Phenol	6.50	94	1344	0.168	ng	# 1
15) Benzyl Alcohol	6.99	79	1508	0.246	ng	# 52
18) Hexachloroethane	7.37	117	527	0.178	ng	# 1
19) n-Nitroso-di-n-propylamine	7.36	70	539	0.107	ng	# 34
22) Acetophenone	7.23	105	1173	0.118	ng	# 50
24) Nitrobenzene	7.40	77	110	0.016	ng	# 37
25) Isophorone	7.64	82	2533	0.228	ng	# 1
28) bis(2-Chloroethoxy)methane	7.70	93	305	0.040	ng	# 32
29) 2,4-Dichlorophenol	8.07	162	270	0.046	ng	# 26
31) Naphthalene	8.14	128	13873	0.727	ng	# 93
33) 4-Chloroaniline	8.14	127	1985	0.239	ng	# 19
35) Caprolactam	8.57	113	120	0.058	ng	# 1
36) 4-Chloro-3-methylphenol	8.70	107	244	0.040	ng	# 17
37) 2-Methylnaphthalene	8.83	142	7627	0.584	ng	# 87
38) 1-Methylnaphthalene	8.93	142	6293	0.502	ng	# 92
46) 1,1'-Biphenyl	9.30	154	2098	0.139	ng	# 86
47) 2-Chloronaphthalene	9.54	162	116	0.010	ng	# 1
48) 2-Nitroaniline	9.43	65	742	0.233	ng	# 9
49) Acenaphthylene	9.74	152	2248	0.131	ng	# 84
50) Dimethylphthalate	9.59	163	13509	1.009	ng	# 95
51) 2,6-Dinitrotoluene	9.72	165	791	0.264	ng	# 32
52) Acenaphthene	9.90	154	16362	1.600	ng	# 100
53) 3-Nitroaniline	9.83	138	235	0.072	ng	# 8
55) Dibenzofuran	10.08	168	13131	0.840	ng	# 81
56) 4-Nitrophenol	10.03	139	658	0.383	ng	# 1
57) 2,4-Dinitrotoluene	10.03	165	1190	0.312	ng	# 30
58) Fluorene	10.43	166	18795	1.607	ng	# 87
60) Diethylphthalate	10.28	149	626	0.047	ng	# 7
61) 4-Chlorophenyl-phenylether	10.26	204	189	0.030	ng	# 30
62) 4-Nitroaniline	10.43	138	436	0.137	ng	# 19
63) Azobenzene	10.57	77	373	0.032	ng	# 1
66) n-Nitrosodiphenylamine	10.53	169	4992	0.484	ng	# 81
67) 4-Bromophenyl-phenylether	10.67	248	1702	0.473	ng	# 1

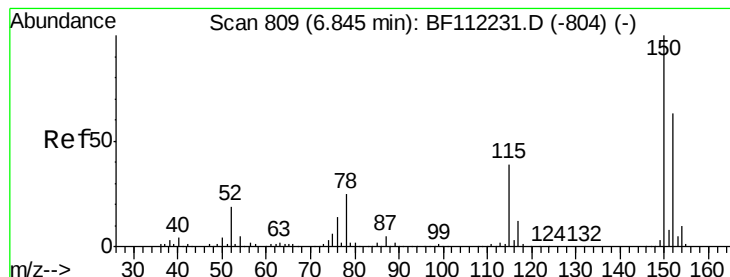
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Atrazine	11.07	200	449	0.135	ng	# 34
71) Phenanthrene	11.39	178	123855	7.790	ng	98
72) Anthracene	11.45	178	40706	2.570	ng	98
73) Carbazole	11.60	167	15695	1.005	ng	# 93
74) Di-n-butylphthalate	11.91	149	1542	0.080	ng	# 51
75) Fluoranthene	12.59	202	125992	7.388	ng	96
77) Benzidine	12.71	184	107	0.013	ng	# 1
78) Pyrene	12.82	202	104135	5.212	ng	98
80) Butylbenzylphthalate	13.37	149	813	0.084	ng	# 8
81) Benzo(a)anthracene	14.00	228	52754	3.110	ng	98
82) 3,3'-Dichlorobenzidine	13.97	252	497	0.078	ng	# 56
83) Chrysene	14.04	228	43172	2.666	ng	96
84) Bis(2-ethylhexyl)phthalate	13.97	149	3919	0.286	ng	# 88
85) Di-n-octyl phthalate	14.60	149	1221	0.058	ng	# 60
86) Indeno(1,2,3-cd)pyrene	17.00	276	9811	0.765	ng	94
88) Benzo(b)fluoranthene	15.06	252	50296	4.031	ng	# 73
89) Benzo(k)fluoranthene	15.06	252	50296	4.208	ng	# 73
90) Benzo(a)pyrene	15.43	252	23815	2.121	ng	# 72
91) Dibenzo(a,h)anthracene	16.99	278	3250	0.359	ng	# 1
92) Benzo(g,h,i)perylene	17.46	276	9050	1.060	ng	# 75

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

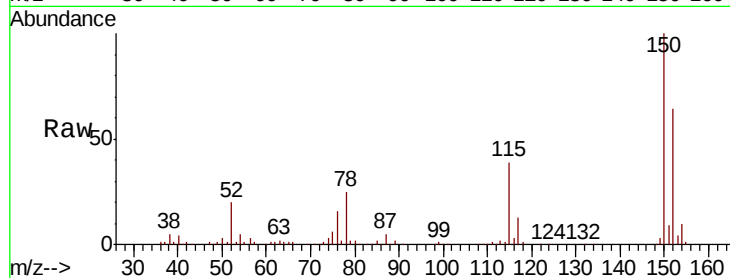
Tgt Ion:152 Resp: 111190

Ion Ratio Lower Upper

152 100

150 155.6 127.4 191.0

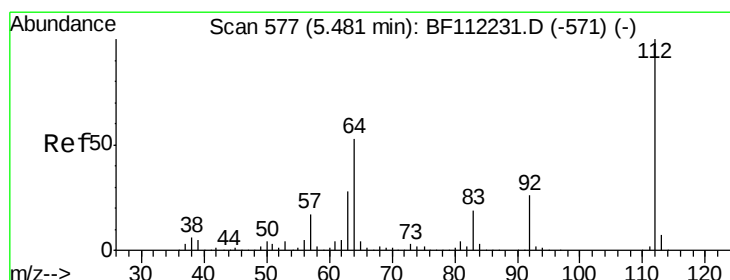
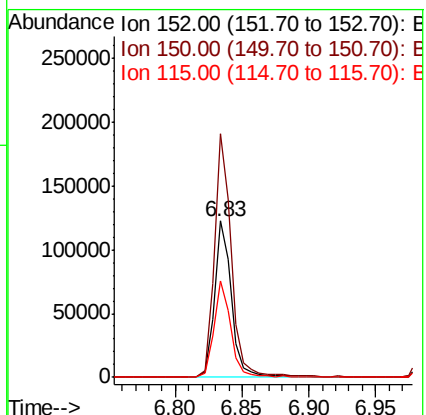
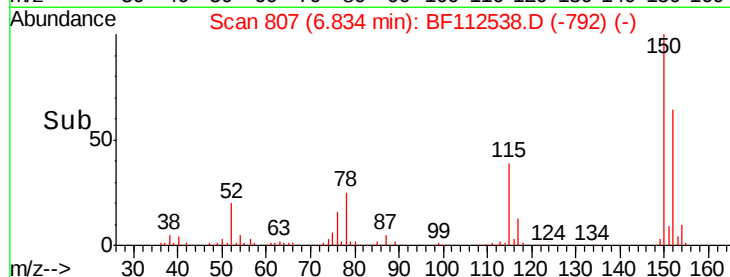
115 61.4 45.5 68.3



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



#5

2-Fluorophenol

Concen: 20.534 ng

RT: 5.47 min Scan# 576

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

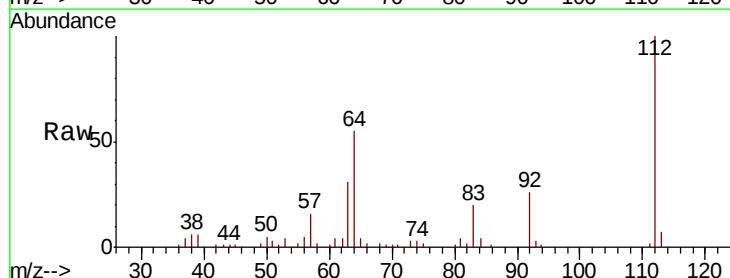
Tgt Ion:112 Resp: 107491

Ion Ratio Lower Upper

112 100

64 54.6 45.7 68.5

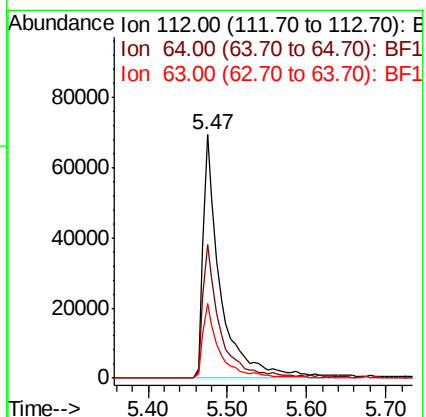
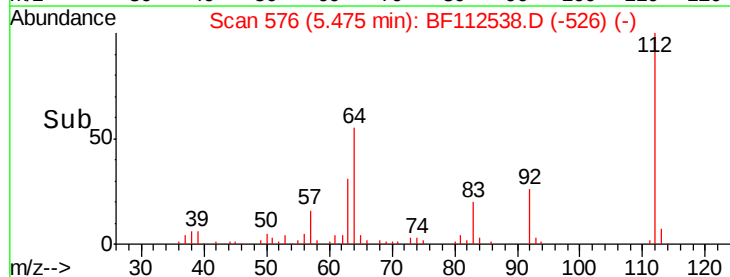
63 30.9 23.6 35.4

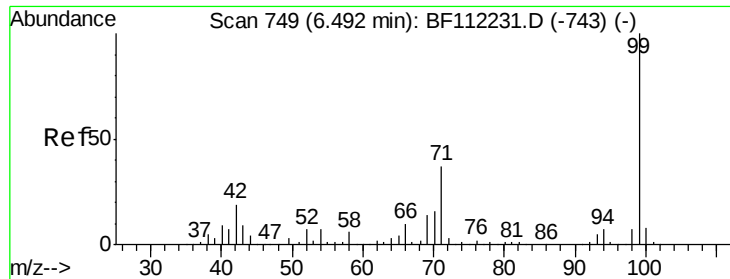


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 18.178 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

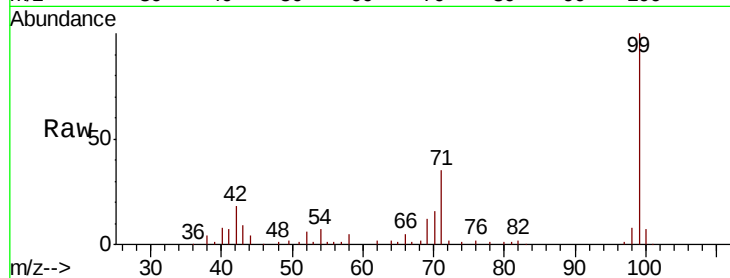
Tgt Ion: 99 Resp: 132224

Ion Ratio Lower Upper

99 100

42 18.0 15.1 22.7

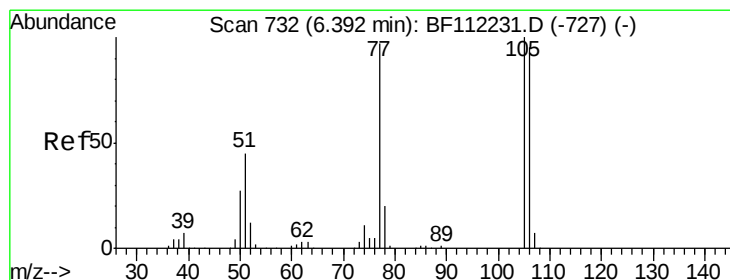
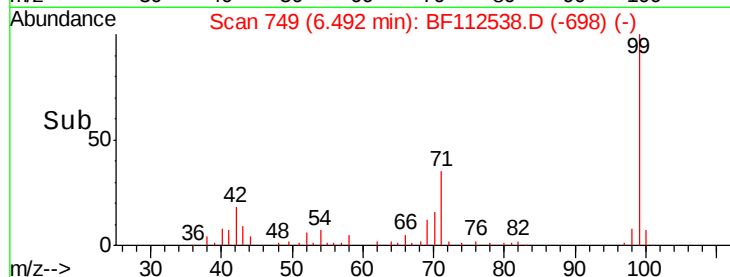
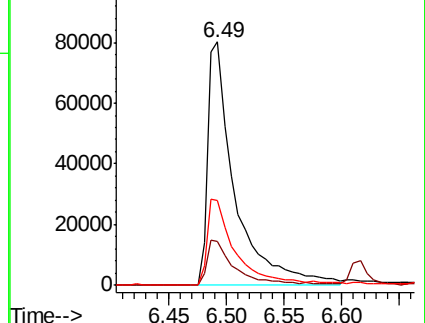
71 34.6 26.9 40.3



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



#9

Benzaldehyde

Concen: 0.792 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.22 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

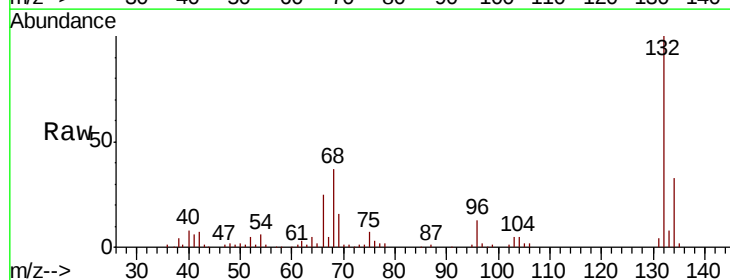
Tgt Ion: 77 Resp: 3013

Ion Ratio Lower Upper

77 100

105 83.8 80.8 120.8

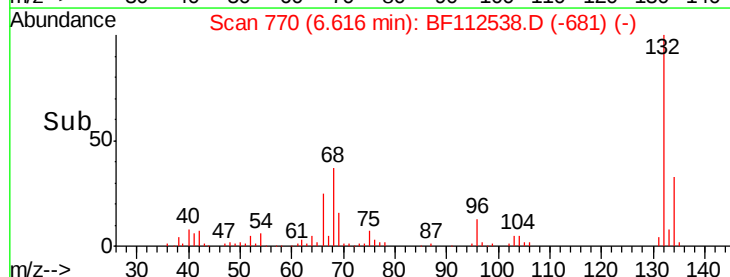
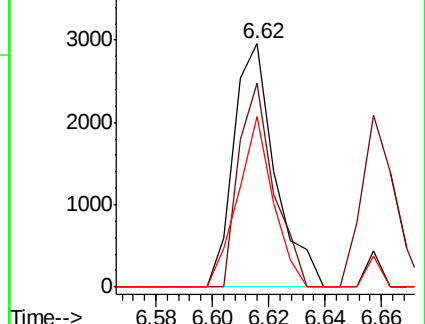
106 70.0 75.7 115.7#

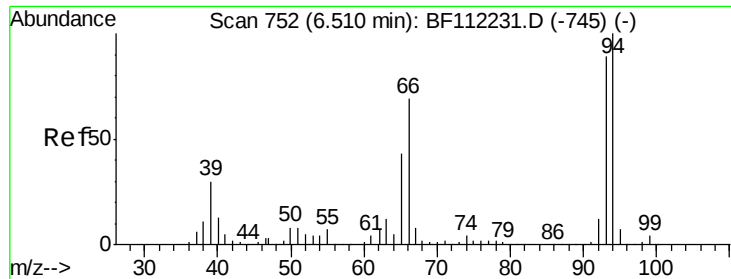


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

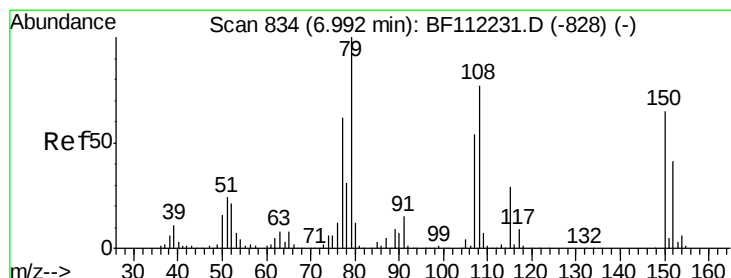
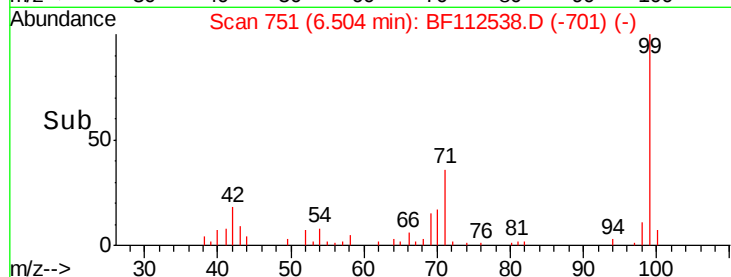
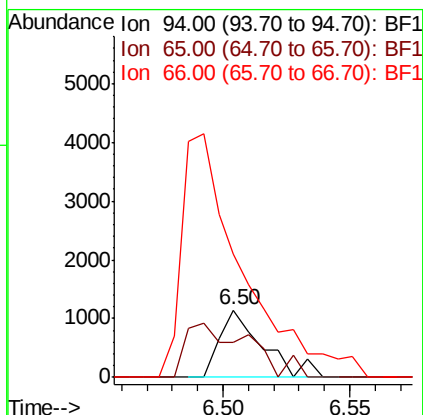
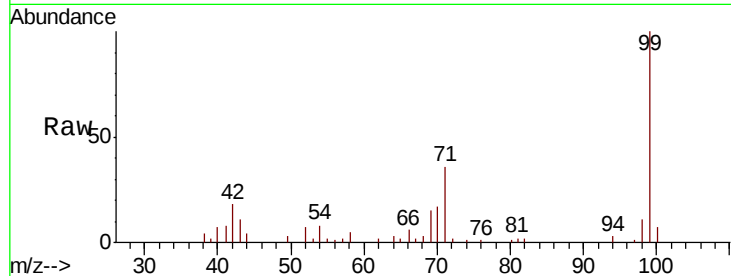




#10
Phenol
Concen: 0.168 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

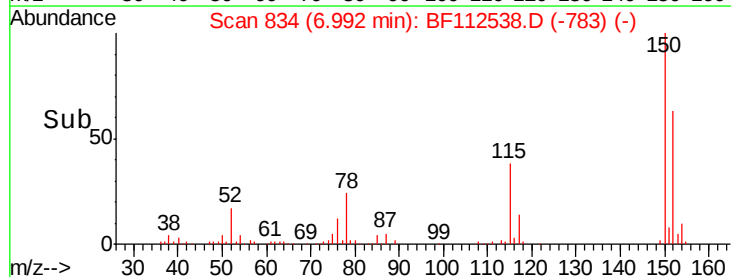
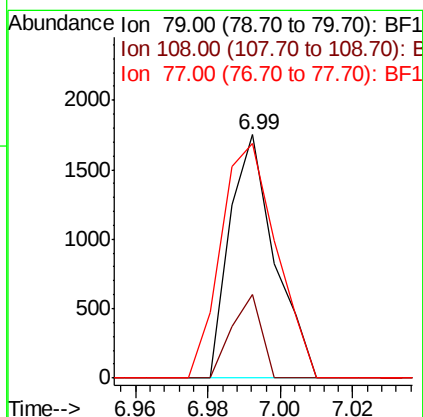
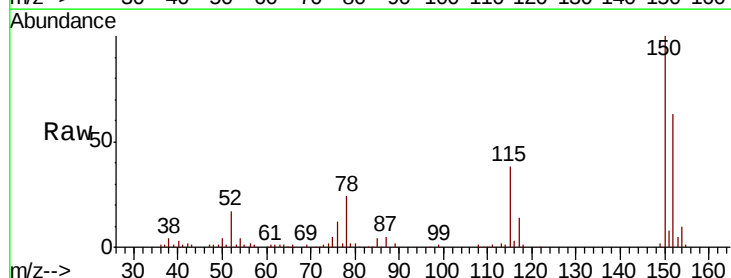
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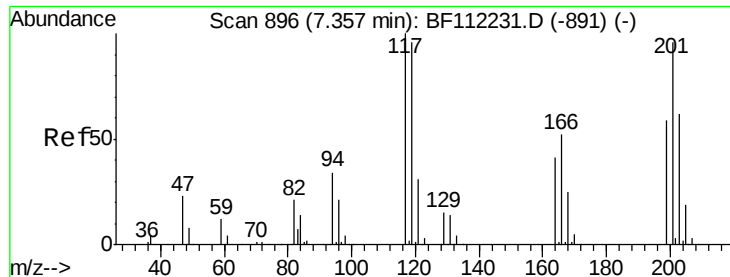
Tgt Ion: 94 Resp: 1344
Ion Ratio Lower Upper
94 100
65 51.7 20.3 60.3
66 184.2 42.4 82.4#



#15
Benzyl Alcohol
Concen: 0.246 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion: 79 Resp: 1508
Ion Ratio Lower Upper
79 100
108 34.2 64.2 96.2#
77 96.3 50.3 75.5#

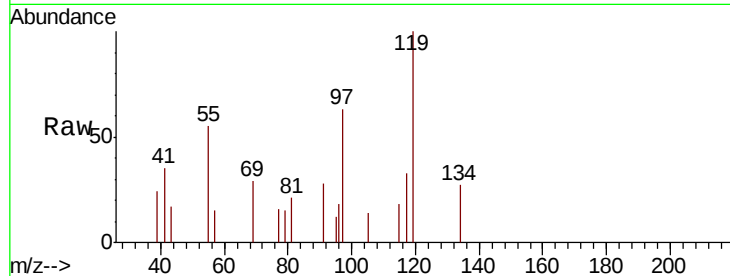




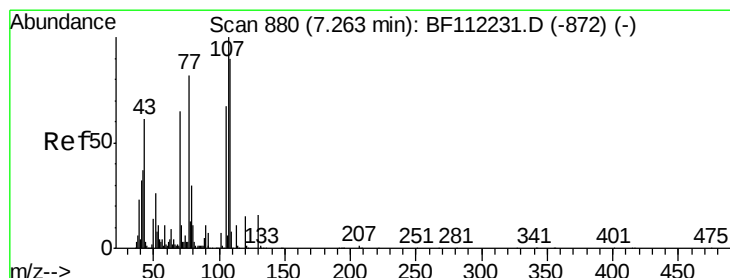
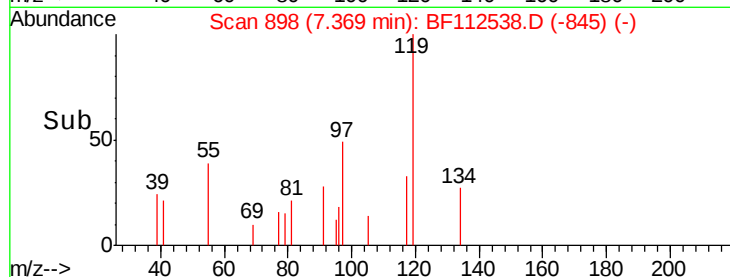
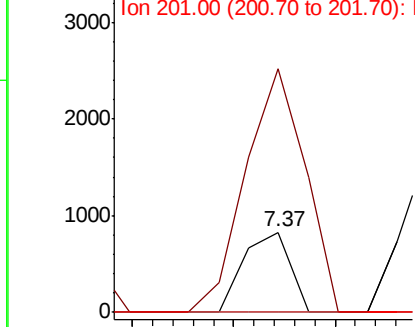
#18
Hexachloroethane
Concen: 0.178 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

Tgt Ion: 117 Resp: 527
Ion Ratio Lower Upper
117 100
119 304.1 77.0 115.4#
201 0.0 74.1 111.1#

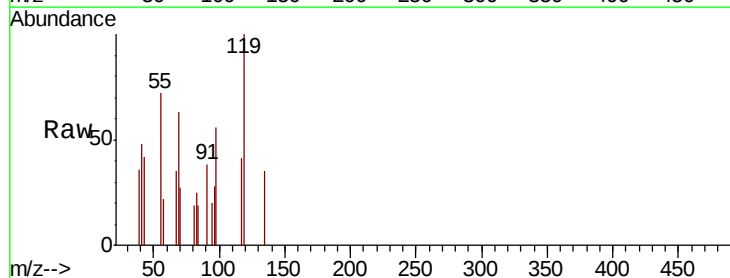


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

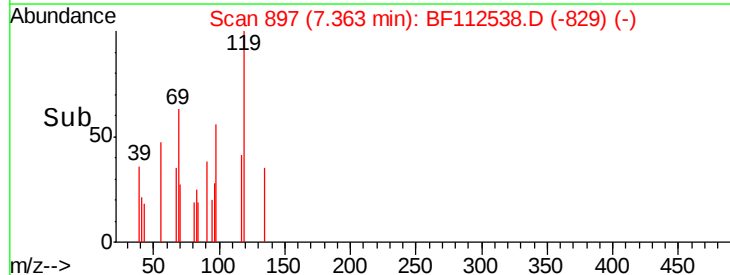
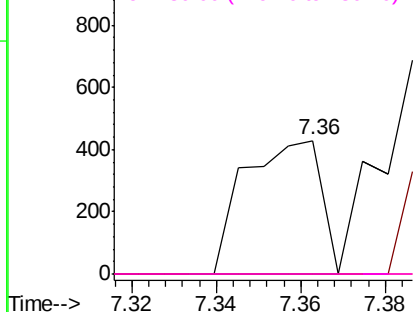


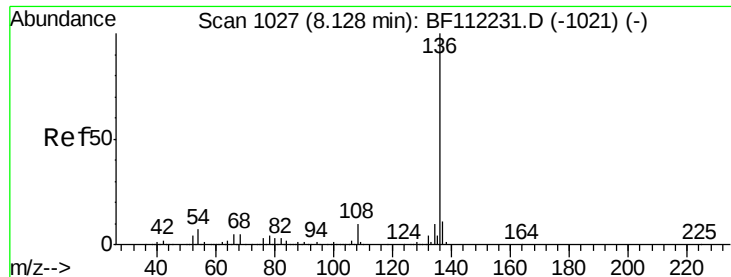
#19
n-Nitroso-di-n-propylamine
Concen: 0.107 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.10 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion: 70 Resp: 539
Ion Ratio Lower Upper
70 100
42 0.0 47.6 71.4#
101 0.0 7.9 11.9#
130 0.0 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

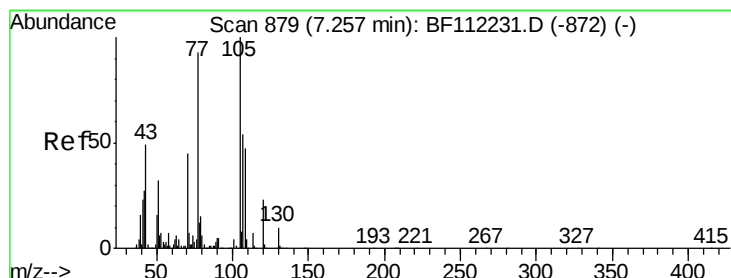
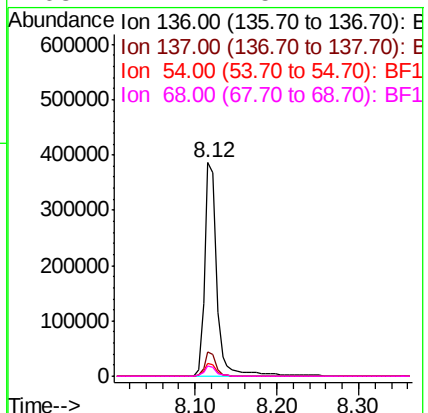
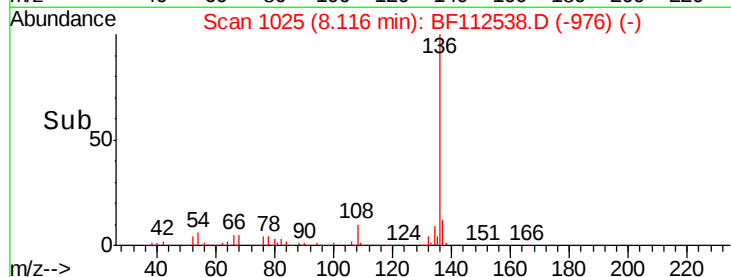
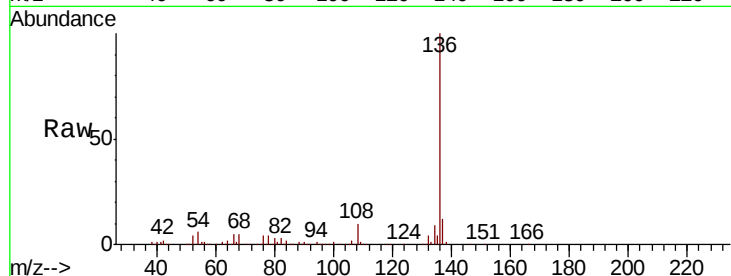




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

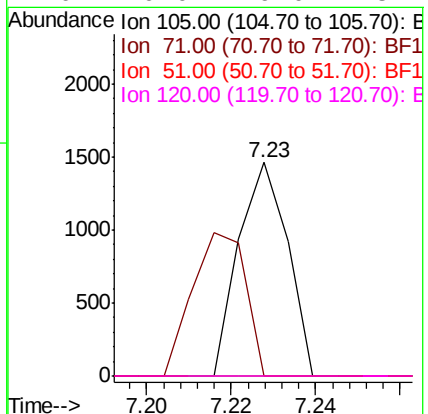
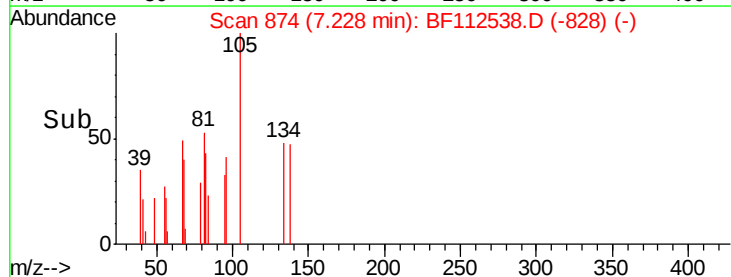
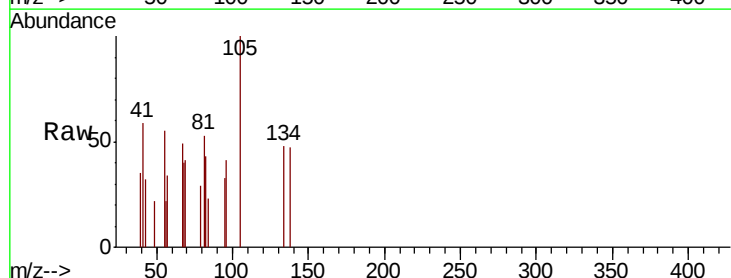
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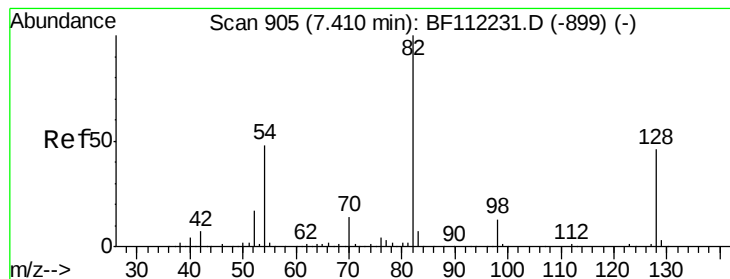
Tgt Ion:	136	Resp:	408231
Ion Ratio	Lower	Upper	
136	100		
137	11.6	9.1	13.7
54	6.0	5.9	8.9
68	4.7	5.1	7.7#



#22
Acetophenone
Concen: 0.118 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.03 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion:	105	Resp:	1173
Ion Ratio	Lower	Upper	
105	100		
71	0.0	4.6	6.8#
51	0.0	25.0	37.6#
120	0.0	19.0	28.4#





#23

Nitrobenzene-d5

Concen: 11.270 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

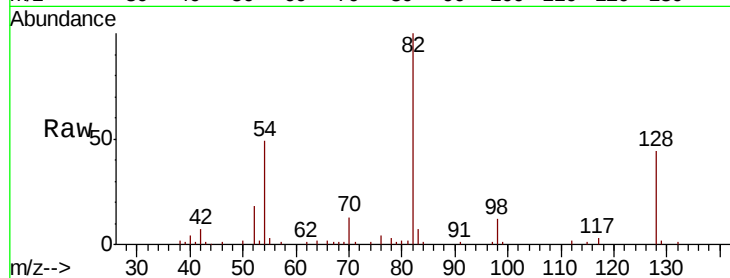
Tgt Ion: 82 Resp: 79845

Ion Ratio Lower Upper

82 100

128 43.6 37.8 56.8

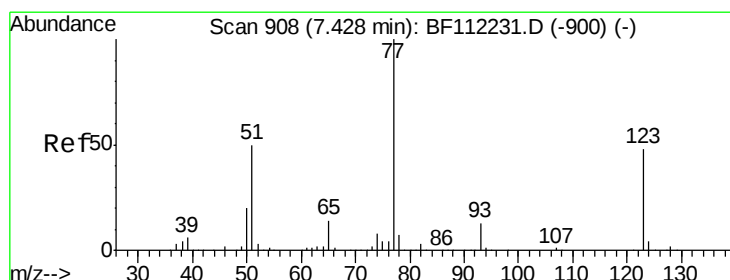
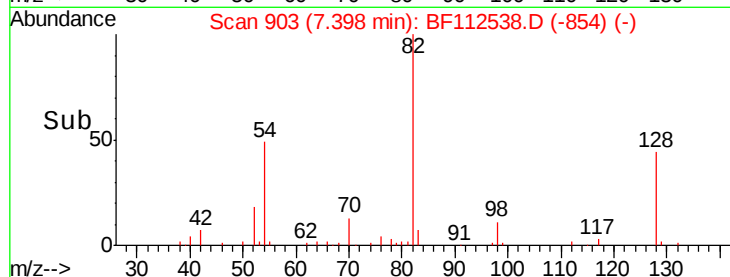
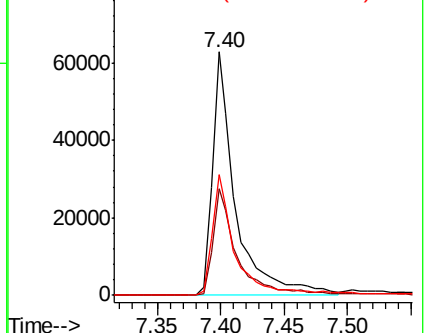
54 49.4 39.7 59.5



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#24

Nitrobenzene

Concen: 0.016 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.02 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

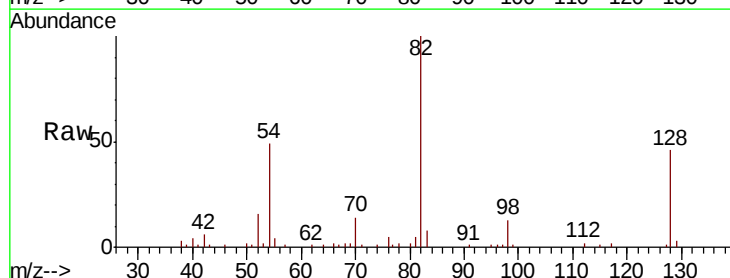
Tgt Ion: 77 Resp: 110

Ion Ratio Lower Upper

77 100

123 0.0 38.4 57.6#

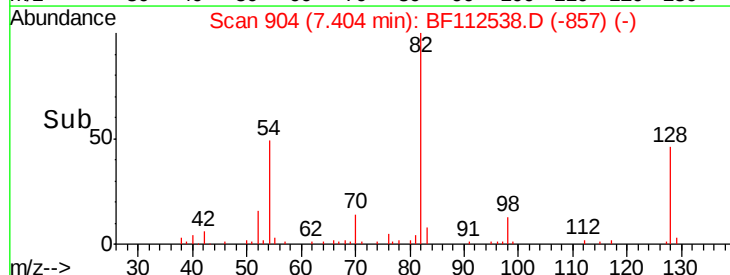
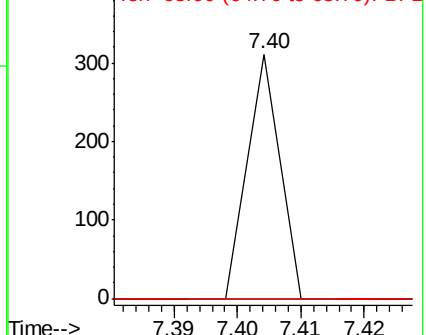
65 0.0 10.6 15.8#

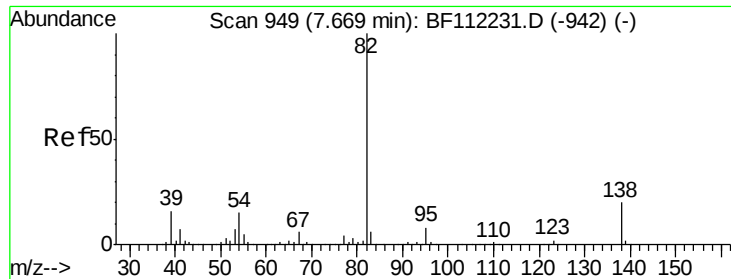


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

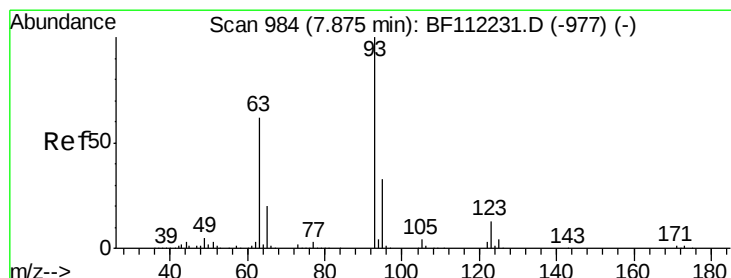
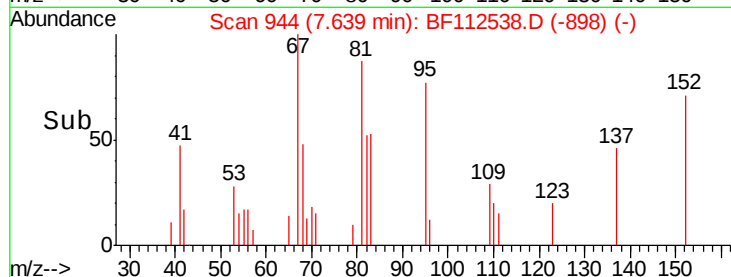
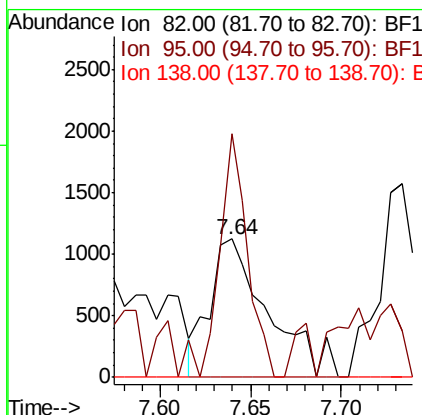
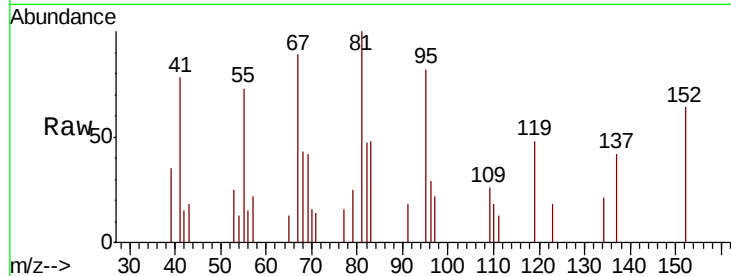




#25
Isophorone
Concen: 0.228 ng
RT: 7.64 min Scan# 944
Delta R.T. -0.03 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

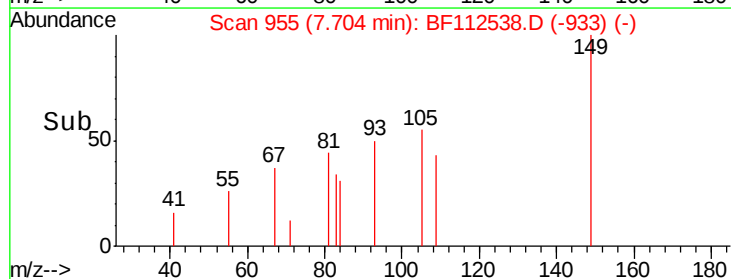
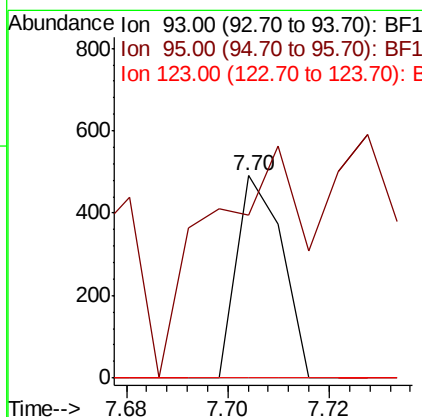
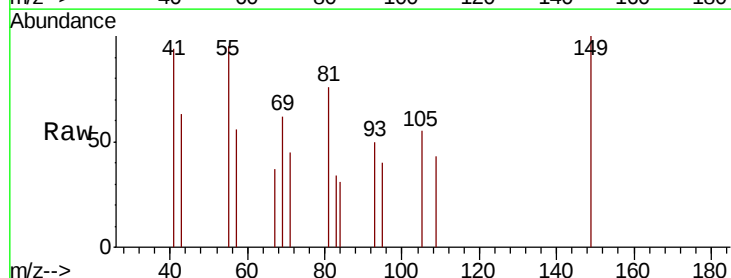
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

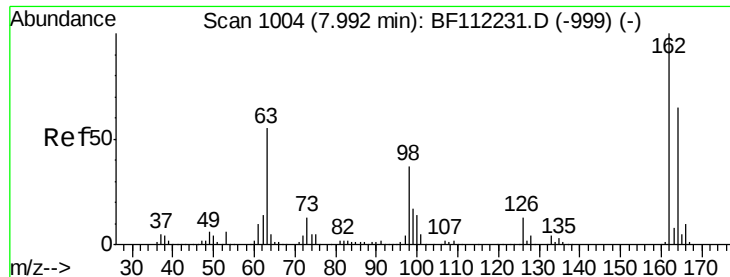
Tgt Ion: 82 Resp: 2533
Ion Ratio Lower Upper
82 100
95 175.7 5.7 8.5#
138 0.0 15.4 23.0#



#28
bis(2-Chloroethoxy)methane
Concen: 0.040 ng
RT: 7.70 min Scan# 955
Delta R.T. -0.17 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion: 93 Resp: 305
Ion Ratio Lower Upper
93 100
95 80.2 26.8 40.2#
123 0.0 10.2 15.2#

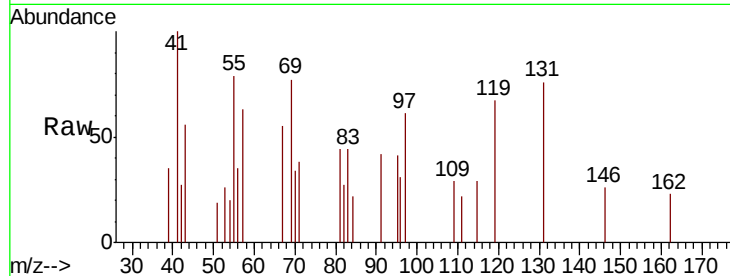




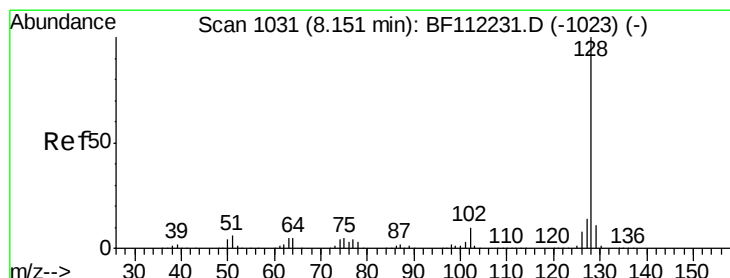
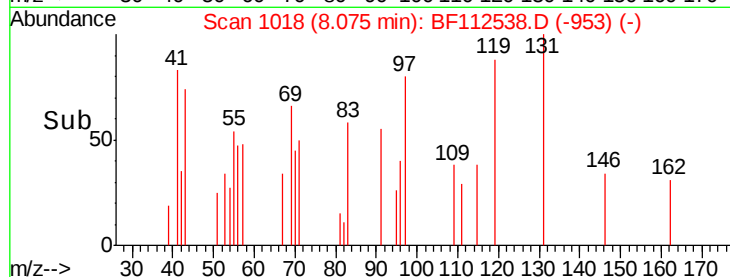
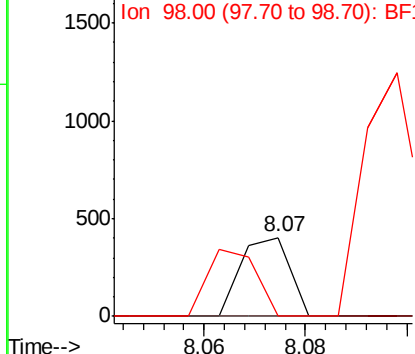
#29
2,4-Dichlorophenol
Concen: 0.046 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.08 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

Tgt Ion:162 Resp: 270
Ion Ratio Lower Upper
162 100
164 0.0 44.6 84.6#
98 0.0 14.6 54.6#

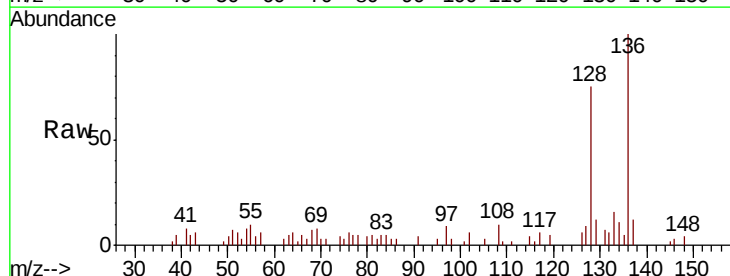


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BF1

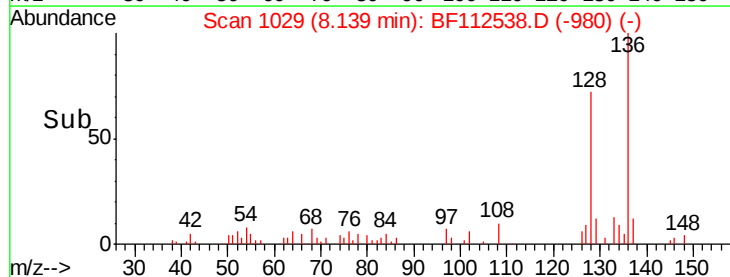
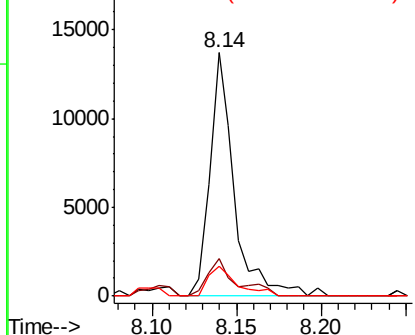


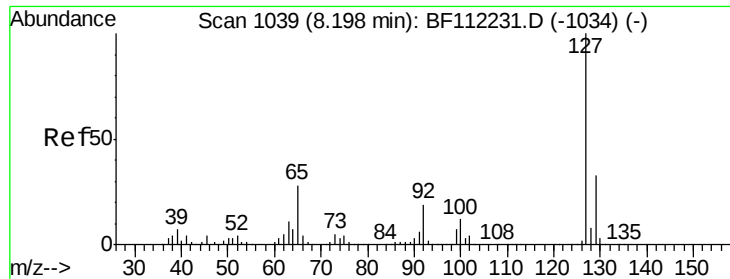
#31
Naphthalene
Concen: 0.727 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion:128 Resp: 13873
Ion Ratio Lower Upper
128 100
129 15.6 9.6 14.4#
127 12.3 11.1 16.7



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

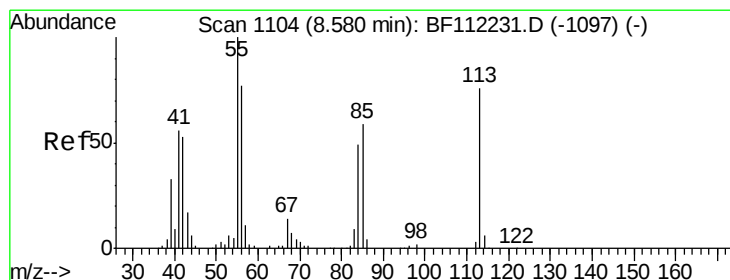
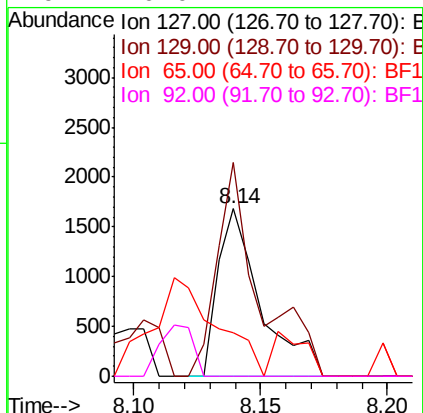
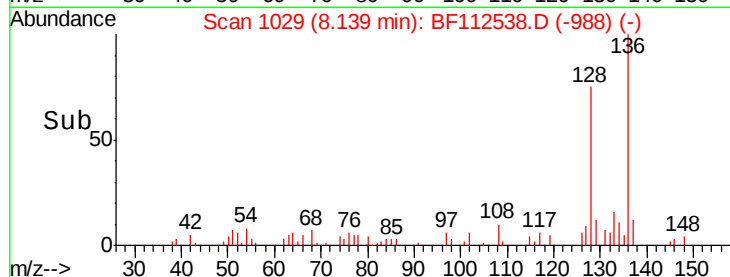
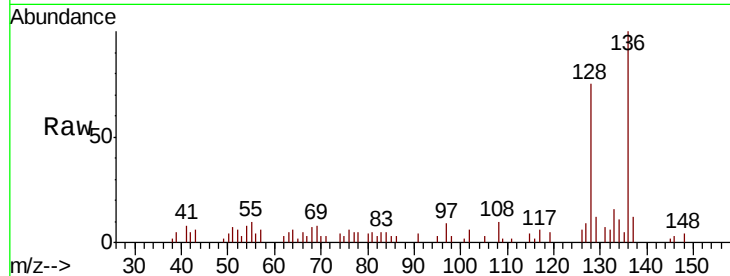




#33
4-Chloroaniline
Concen: 0.239 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.06 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

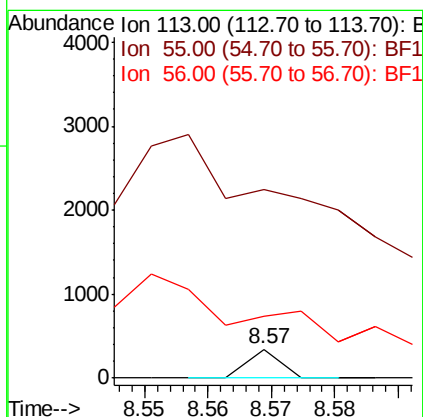
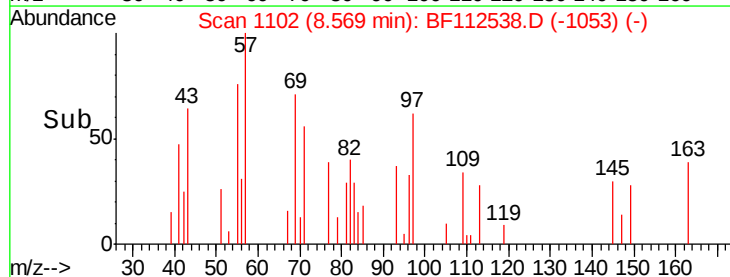
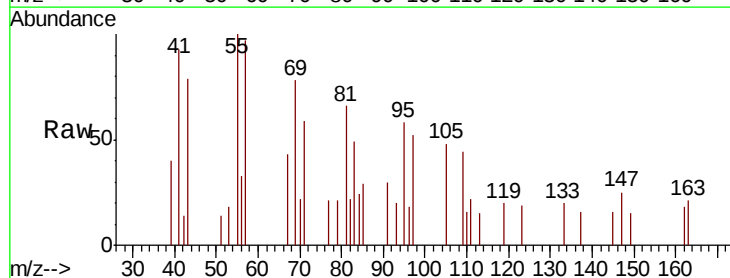
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

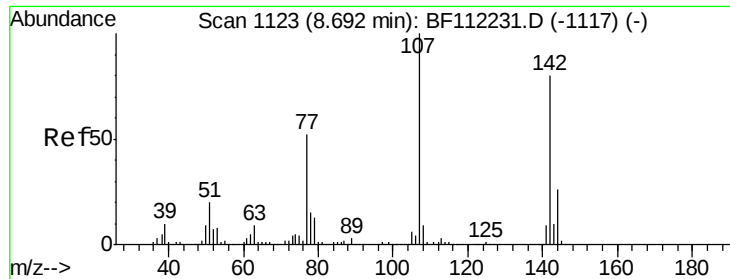
Tgt Ion:	127	Resp:	1985
Ion	Ratio	Lower	Upper
127	100		
129	127.5	26.6	39.8#
65	26.4	21.4	32.2
92	0.0	14.2	21.2#



#35
Caprolactam
Concen: 0.058 ng
RT: 8.57 min Scan# 1102
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion:	113	Resp:	120
Ion	Ratio	Lower	Upper
113	100		
55	657.8	121.6	161.6#
56	217.0	86.7	126.7#

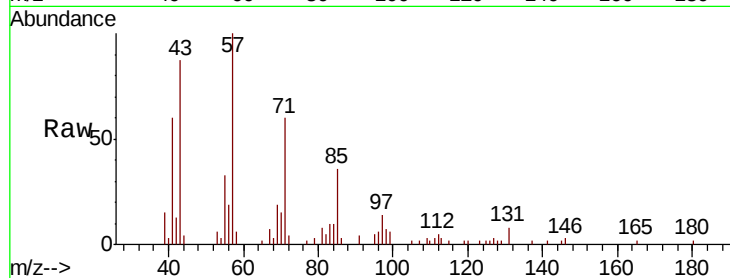




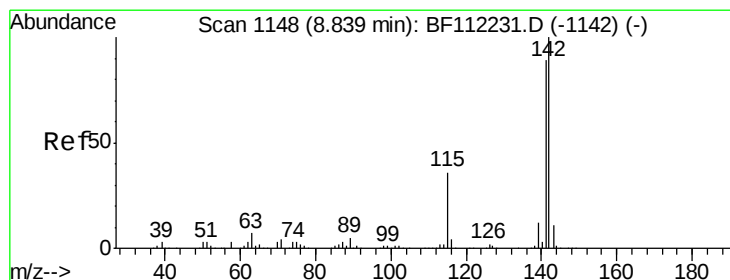
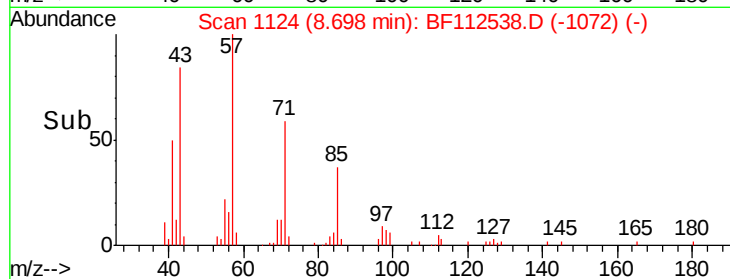
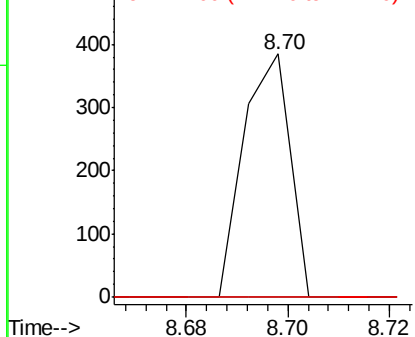
#36
 4-Chloro-3-methylphenol
 Concen: 0.040 ng
 RT: 8.70 min Scan# 1124
 Delta R.T. 0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-E

Tgt Ion:107 Resp: 244
 Ion Ratio Lower Upper
 107 100
 144 0.0 22.2 33.2#
 142 0.0 67.7 101.5#

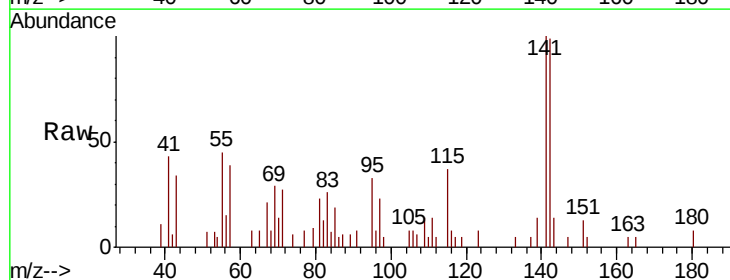


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

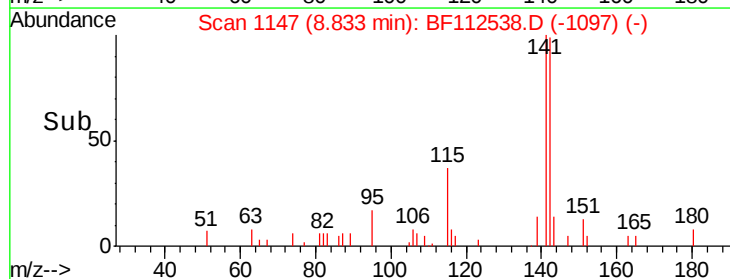
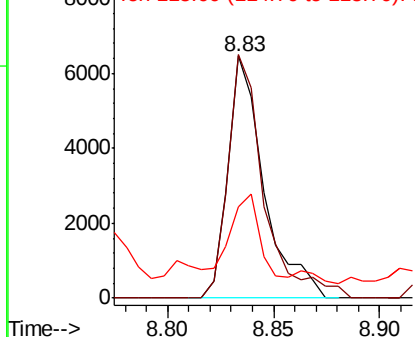


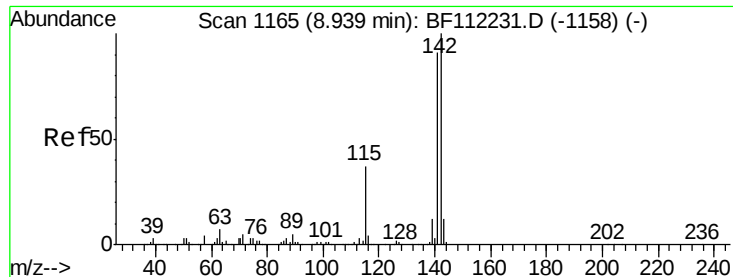
#37
 2-Methylnaphthalene
 Concen: 0.584 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

Tgt Ion:142 Resp: 7627
 Ion Ratio Lower Upper
 142 100
 141 100.6 70.9 106.3
 115 37.5 24.9 37.3#



Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

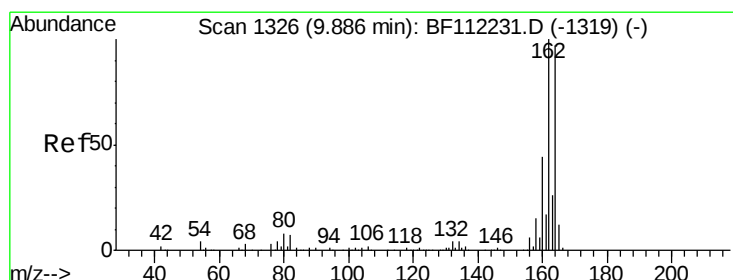
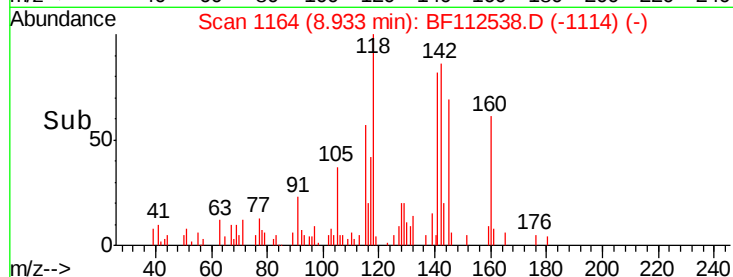
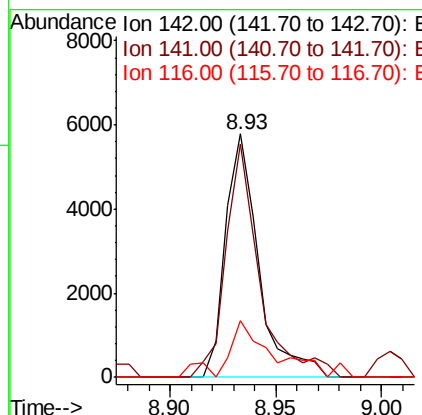
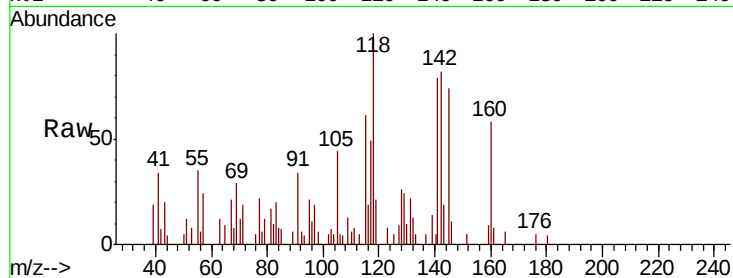




#38
1-Methylnaphthalene
Concen: 0.502 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

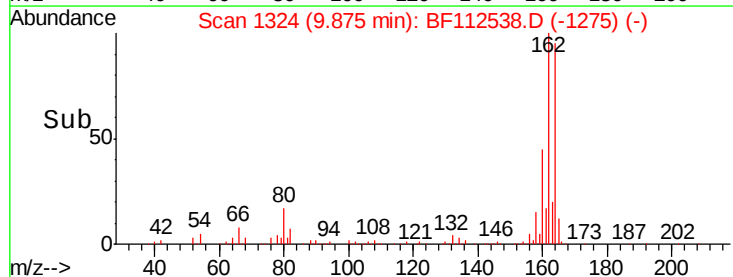
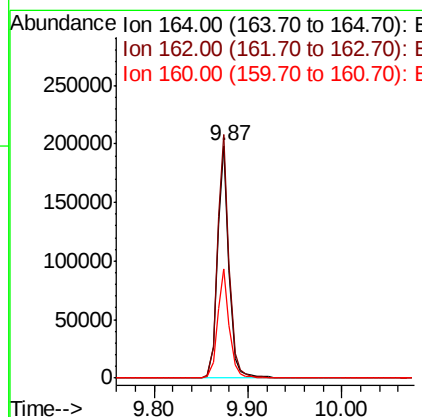
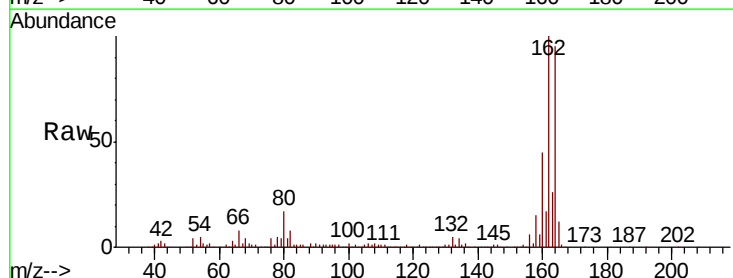
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

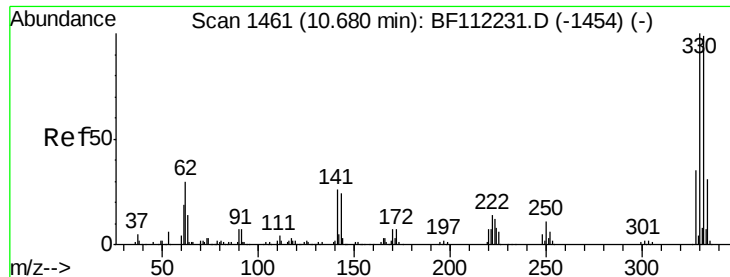
Tgt Ion:142 Resp: 6293
Ion Ratio Lower Upper
142 100
141 96.1 72.6 108.8
116 23.2 2.8 4.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion:164 Resp: 172260
Ion Ratio Lower Upper
164 100
162 104.7 82.2 123.4
160 46.8 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 16.148 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

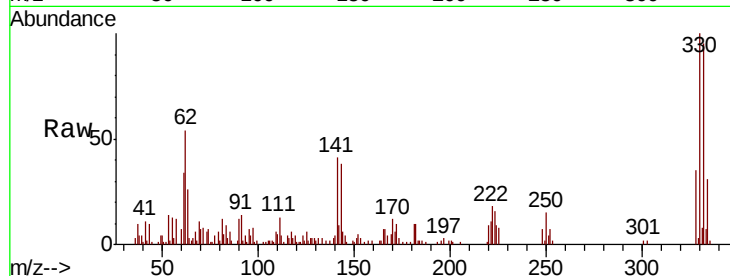
Tgt Ion:330 Resp: 32378

Ion Ratio Lower Upper

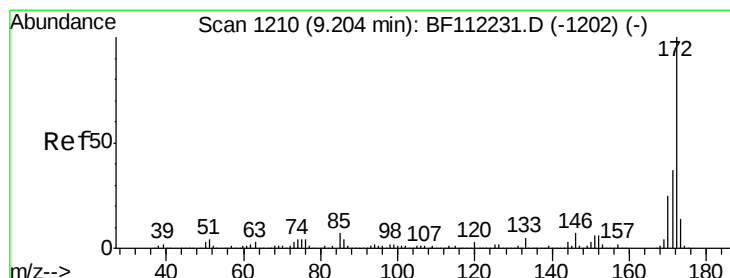
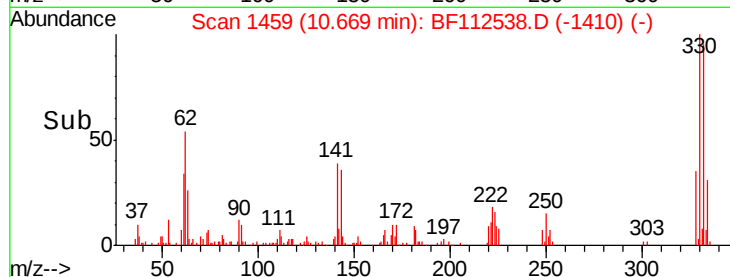
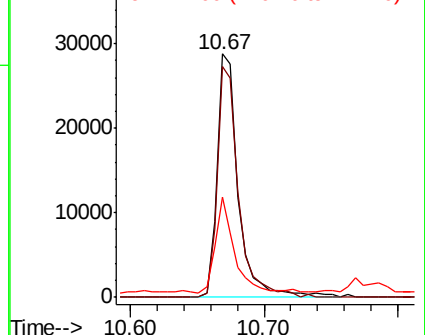
330 100

332 94.5 76.6 114.8

141 34.1 24.3 36.5



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



#45

2-Fluorobiphenyl

Concen: 13.628 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

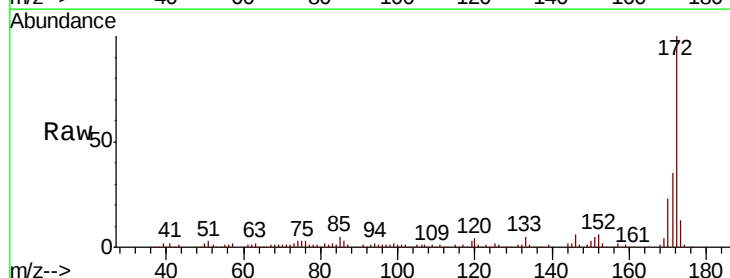
Tgt Ion:172 Resp: 165985

Ion Ratio Lower Upper

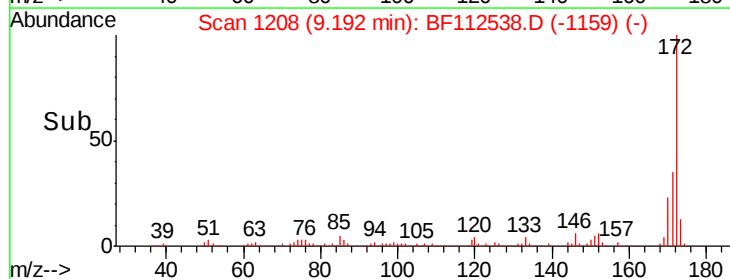
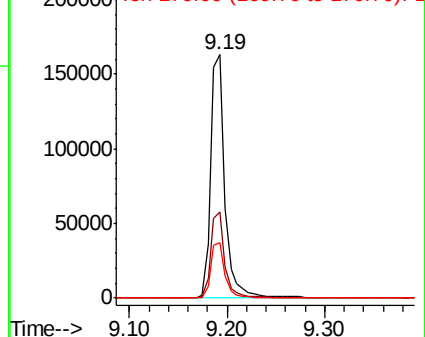
172 100

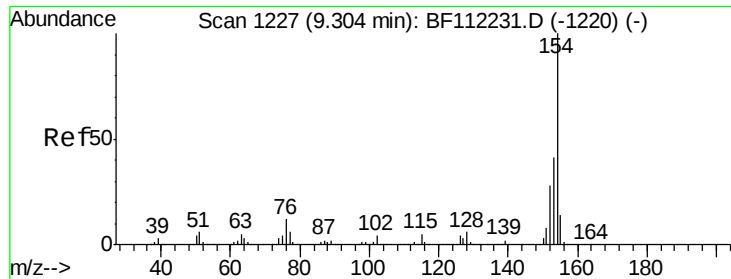
171 35.4 30.5 45.7

170 22.6 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

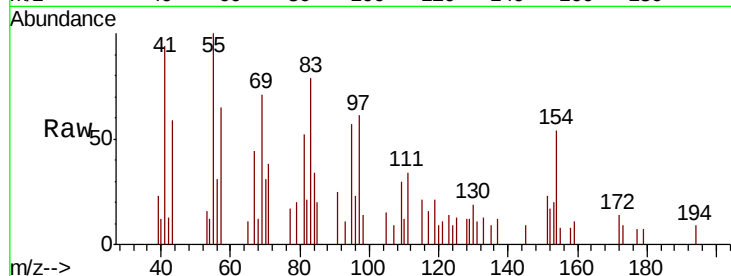




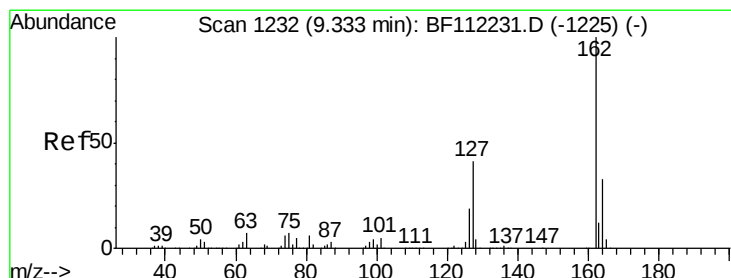
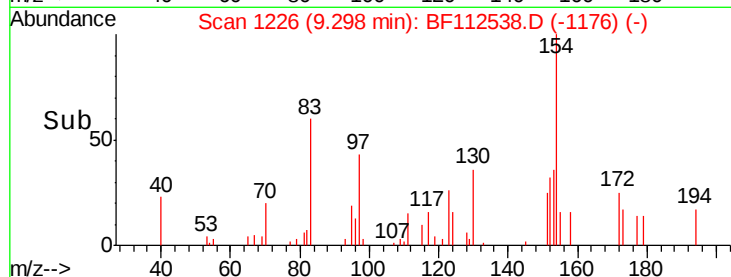
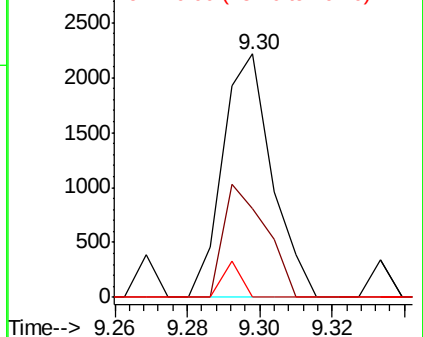
#46
 1,1'-Biphenyl
 Concen: 0.139 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-E

Tgt Ion:	154	Resp:	2098
Ion	Ratio	Lower	Upper
154	100		
153	36.4	21.5	61.5
76	0.0	0.0	33.1

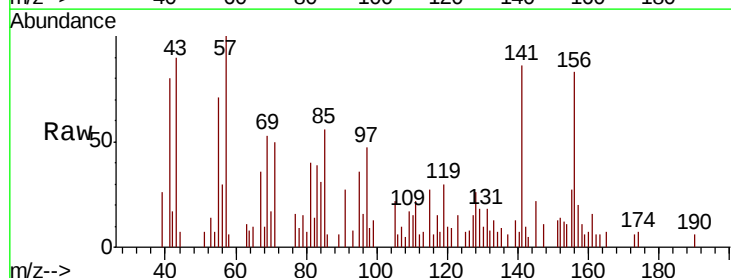


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

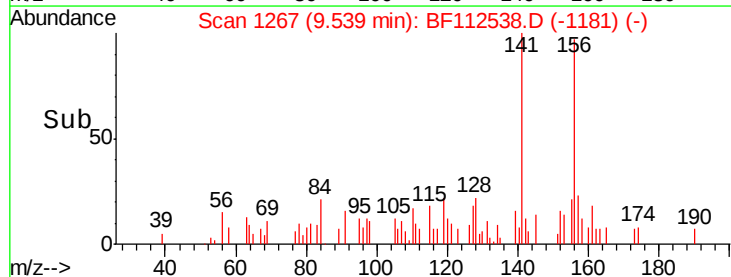
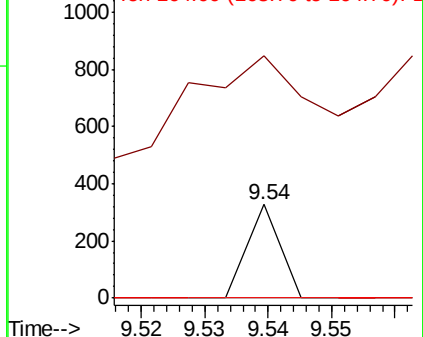


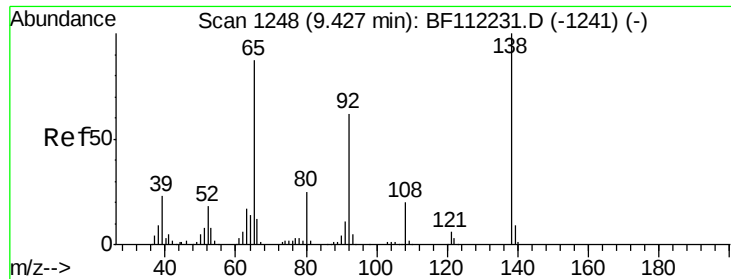
#47
 2-Chloronaphthalene
 Concen: 0.010 ng
 RT: 9.54 min Scan# 1267
 Delta R.T. 0.21 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

Tgt Ion:	162	Resp:	116
Ion	Ratio	Lower	Upper
162	100		
127	258.8	30.4	45.6#
164	0.0	27.4	41.2#



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

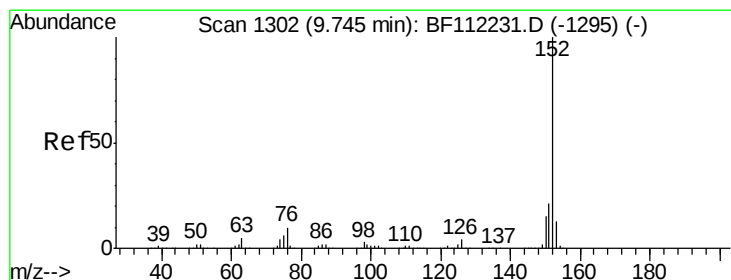
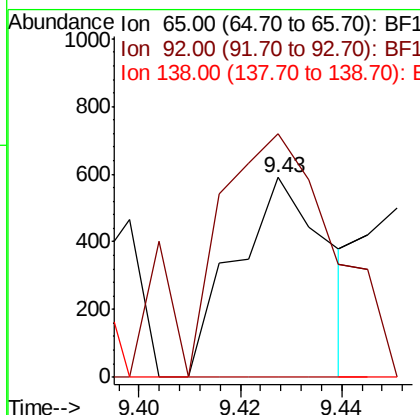
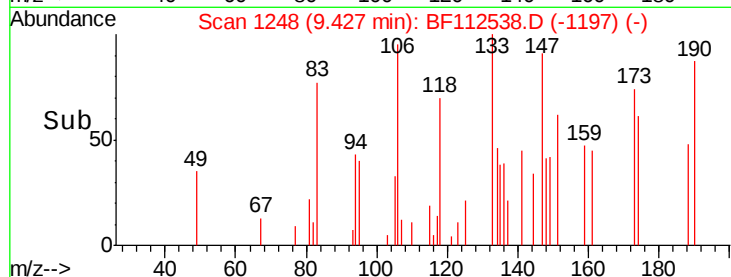
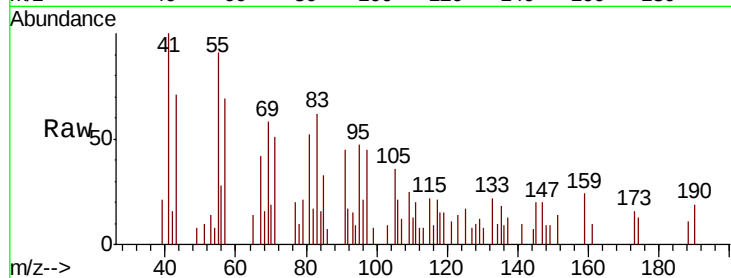




#48
2-Nitroaniline
Concen: 0.233 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

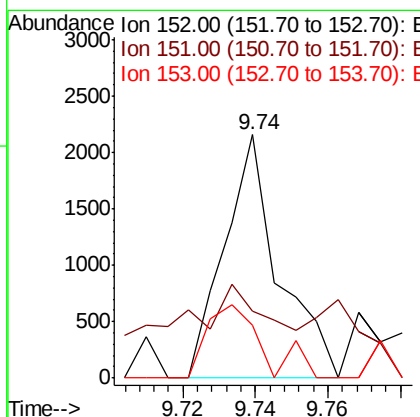
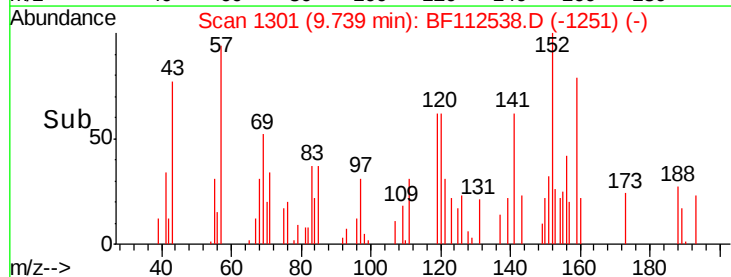
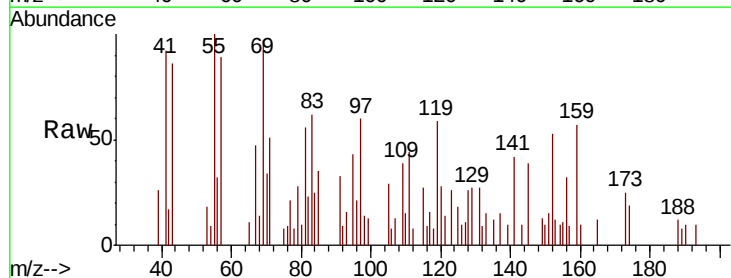
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

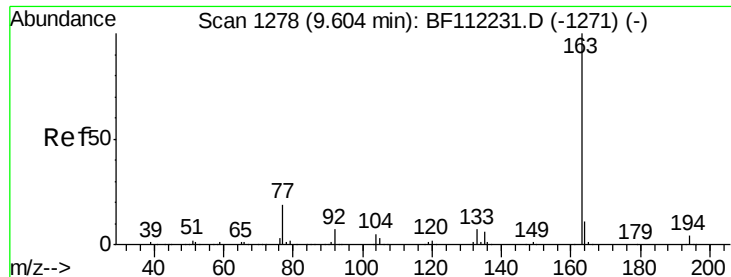
Tgt Ion: 65 Resp: 742
Ion Ratio Lower Upper
65 100
92 121.9 60.4 90.6#
138 0.0 104.4 156.6#



#49
Acenaphthylene
Concen: 0.131 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion: 152 Resp: 2248
Ion Ratio Lower Upper
152 100
151 27.5 17.0 25.6#
153 22.0 11.2 16.8#

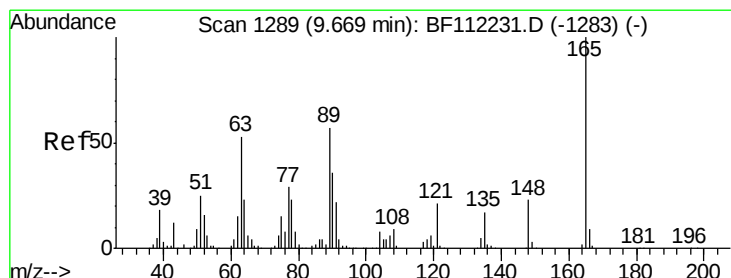
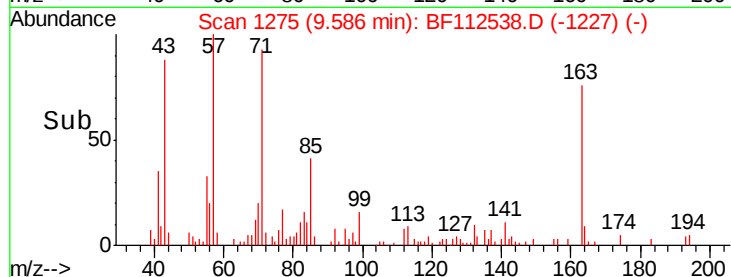
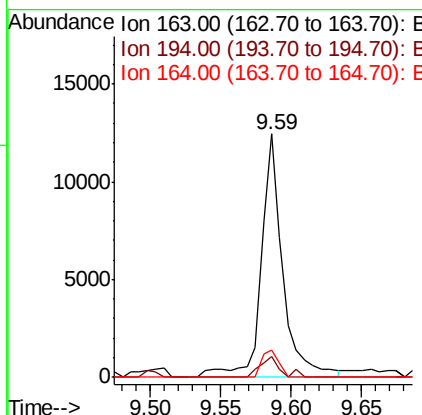
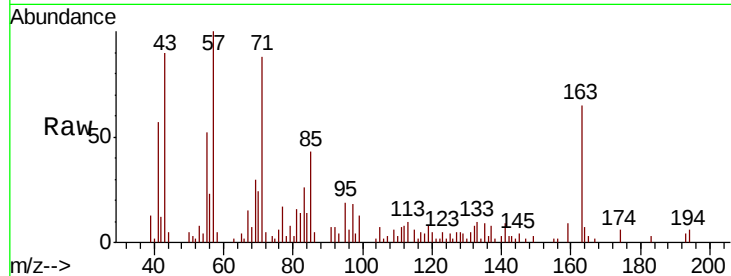




#50
Dimethylphthalate
Concen: 1.009 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

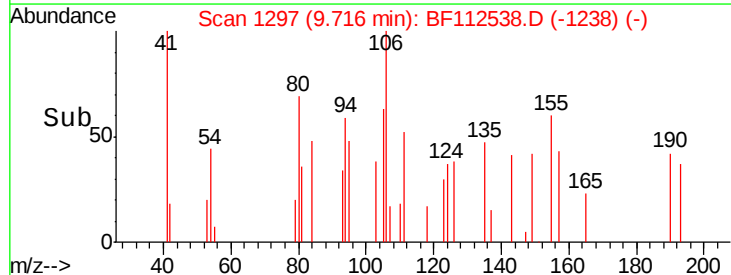
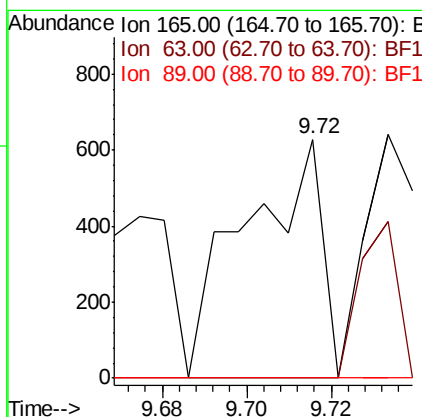
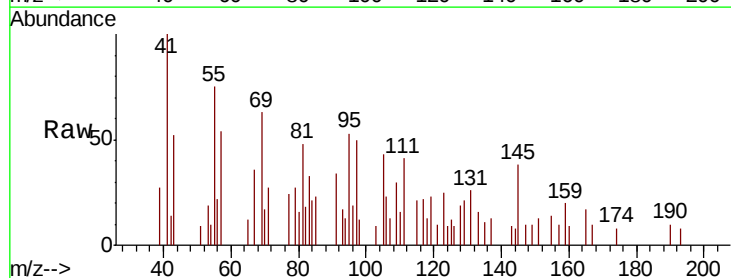
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

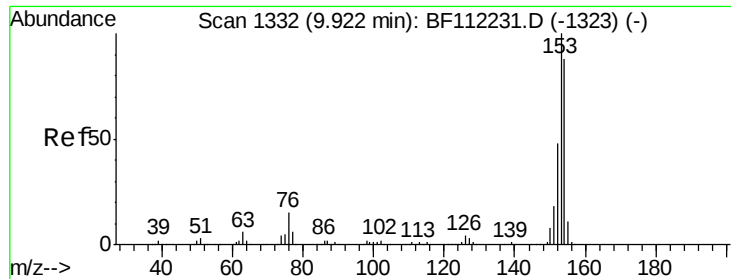
Tgt Ion:163 Resp: 13509
Ion Ratio Lower Upper
163 100
194 8.7 3.3 4.9#
164 11.1 8.5 12.7



#51
2,6-Dinitrotoluene
Concen: 0.264 ng
RT: 9.72 min Scan# 1297
Delta R.T. 0.05 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion:165 Resp: 791
Ion Ratio Lower Upper
165 100
63 0.0 33.8 50.8#
89 0.0 36.9 55.3#





#52

Acenaphthene

Concen: 1.600 ng

RT: 9.90 min Scan# 1329

Delta R.T. -0.02 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

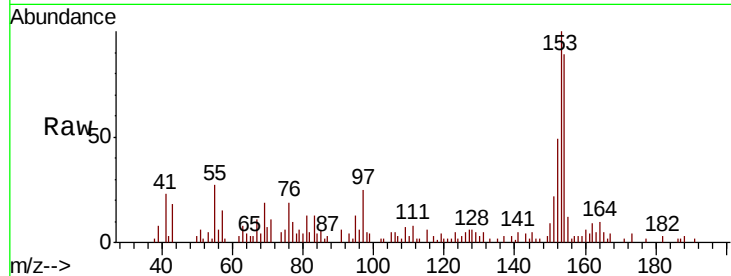
Tgt Ion:154 Resp: 16362

Ion Ratio Lower Upper

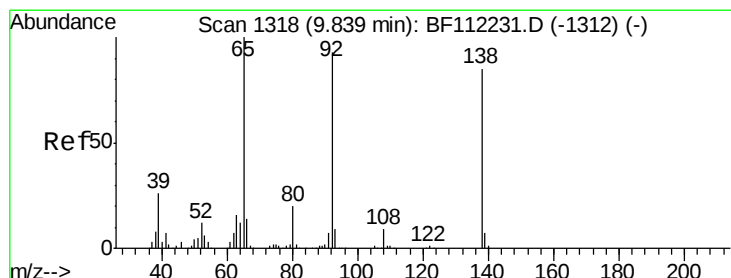
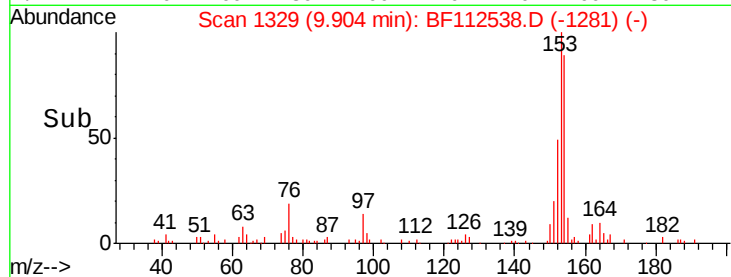
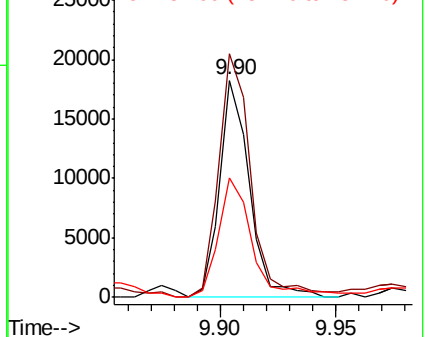
154 100

153 112.2 89.8 134.6

152 55.2 43.5 65.3



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 0.072 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

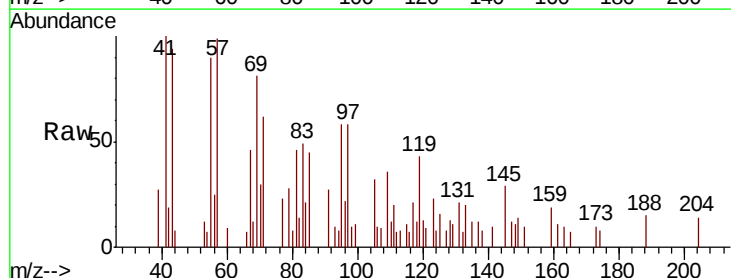
Tgt Ion:138 Resp: 235

Ion Ratio Lower Upper

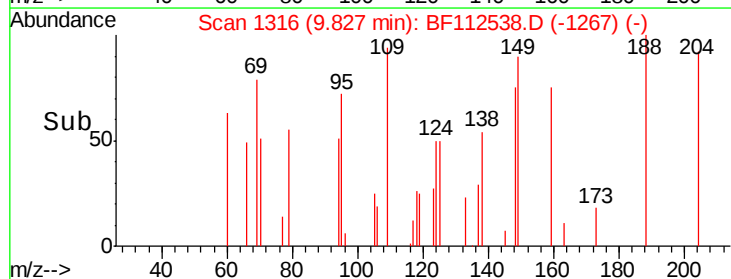
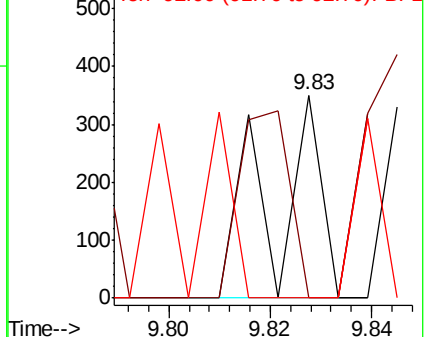
138 100

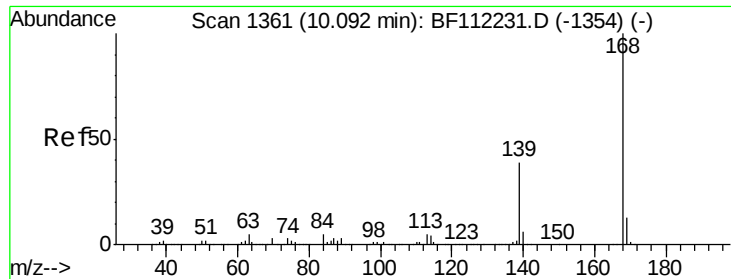
108 0.0 9.8 14.6#

92 0.0 79.4 119.2#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

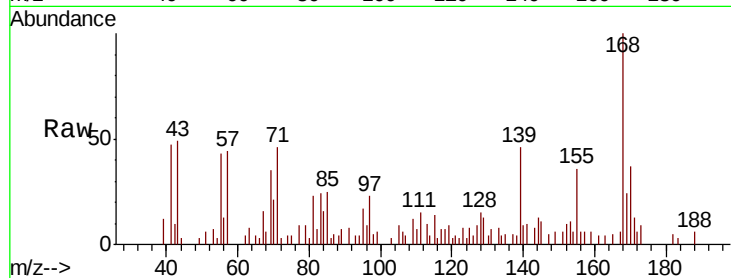




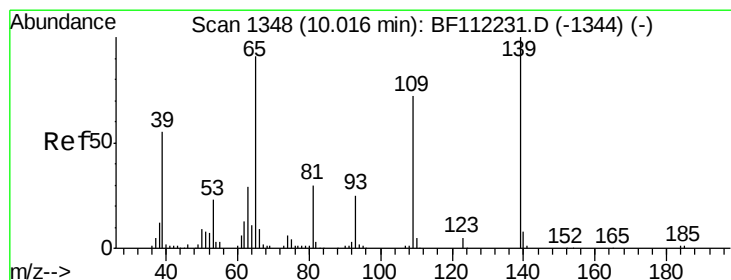
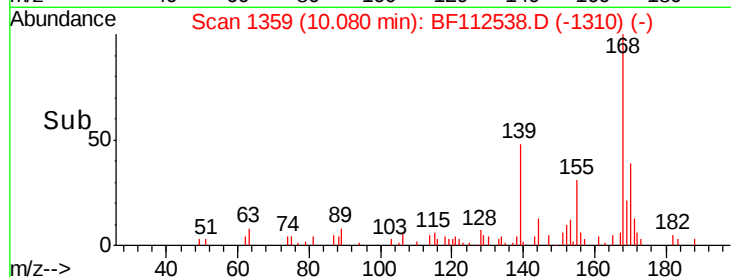
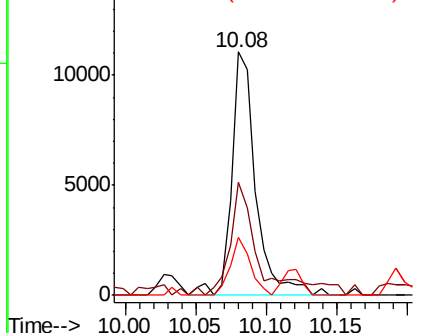
#55
Dibenzofuran
Concen: 0.840 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

Tgt Ion:168 Resp: 13131
Ion Ratio Lower Upper
168 100
139 46.2 29.2 43.8#
169 24.1 11.4 17.0#

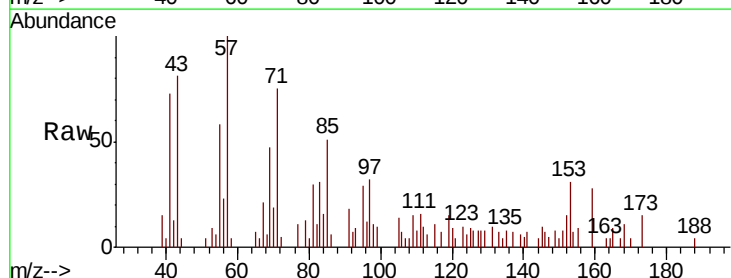


Abundance Ion 168.00 (167.70 to 168.70): E
15000 Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

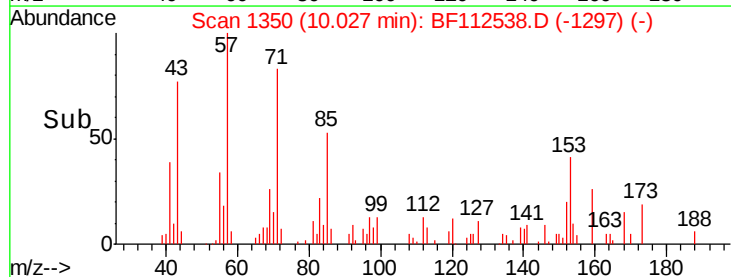
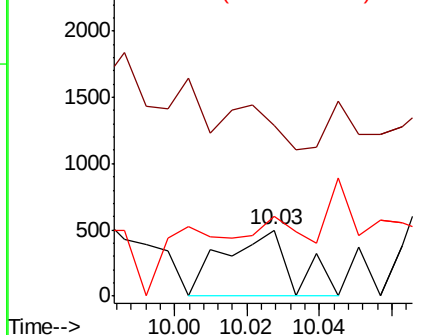


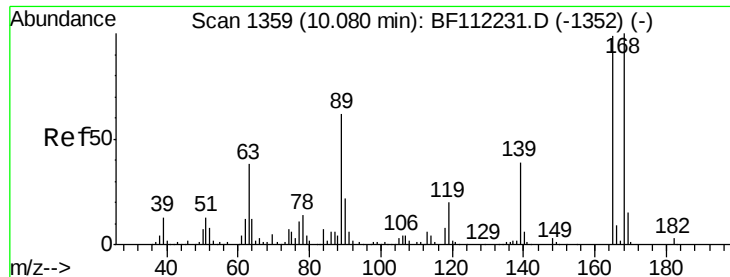
#56
4-Nitrophenol
Concen: 0.383 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion:139 Resp: 658
Ion Ratio Lower Upper
139 100
109 257.7 42.8 82.8#
65 119.8 66.1 106.1#



Abundance Ion 139.00 (138.70 to 139.70): E
2500 Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 0.312 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.05 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

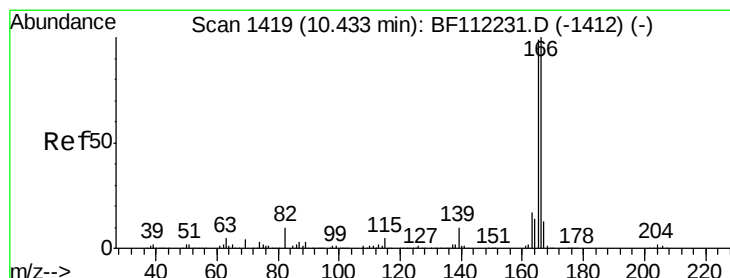
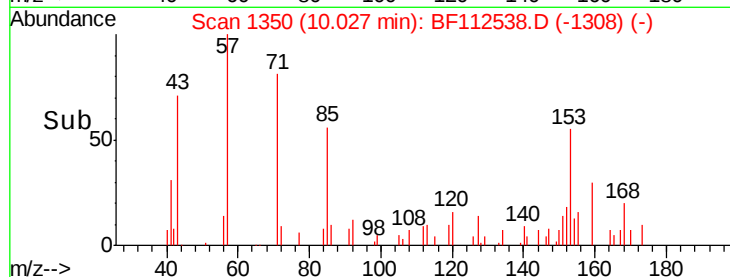
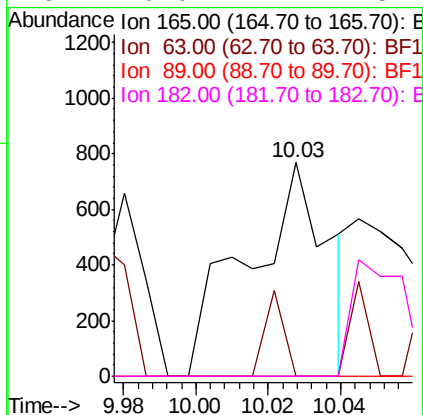
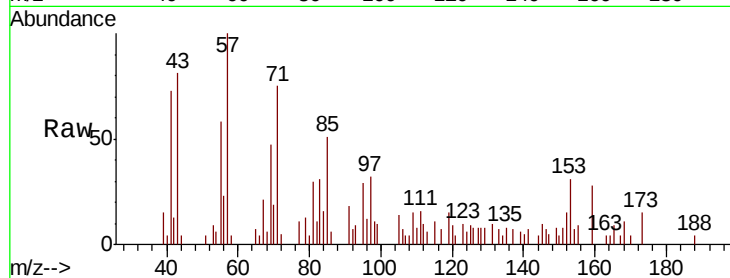
Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

Tgt Ion:	165	Resp:	1190
Ion	Ratio	Lower	Upper
165	100		
63	0.0	27.9	41.9#
89	0.0	47.9	71.9#
182	0.0	2.2	3.4#



#58

Fluorene

Concen: 1.607 ng

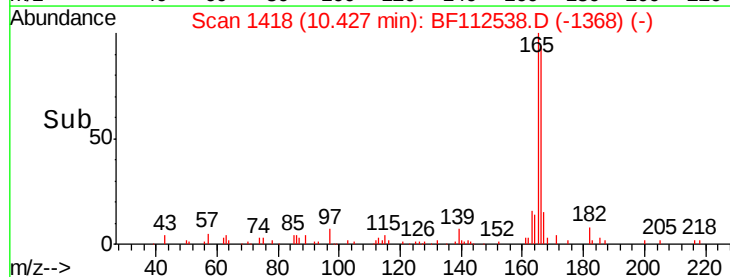
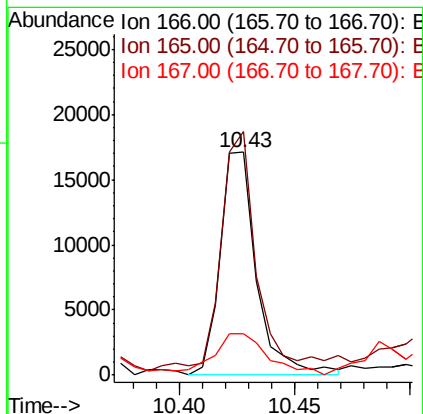
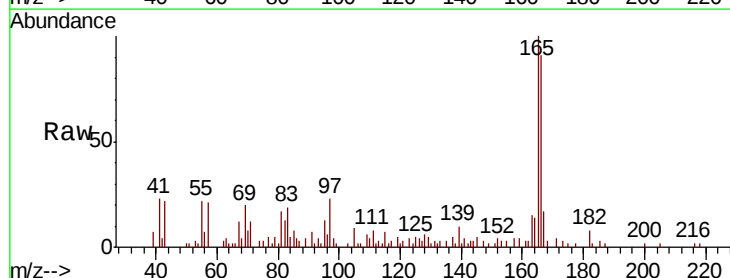
RT: 10.43 min Scan# 1418

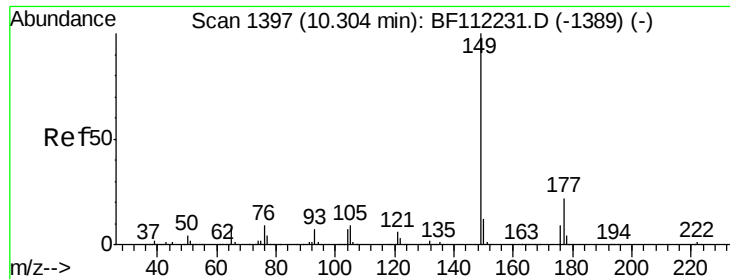
Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Tgt Ion:	166	Resp:	18795
Ion	Ratio	Lower	Upper
166	100		
165	109.3	77.1	115.7
167	18.4	11.3	16.9#





#60

Diethylphthalate

Concen: 0.047 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.02 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

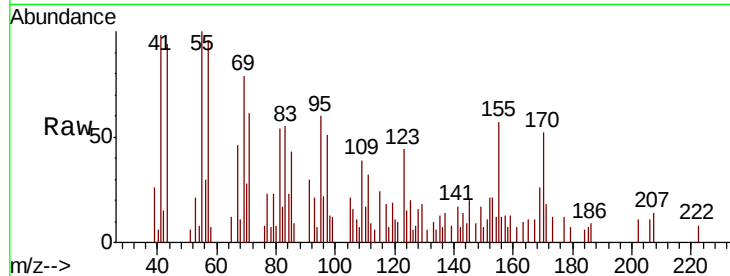
Tgt Ion:149 Resp: 626

Ion Ratio Lower Upper

149 100

177 74.1 18.2 27.2#

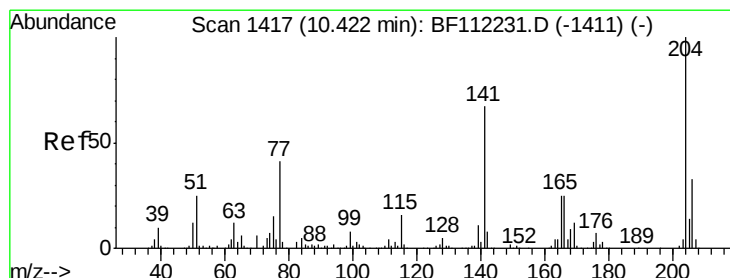
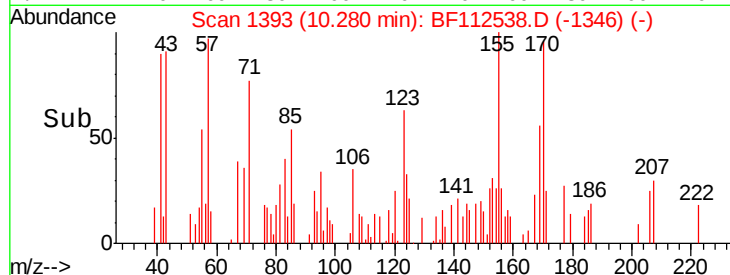
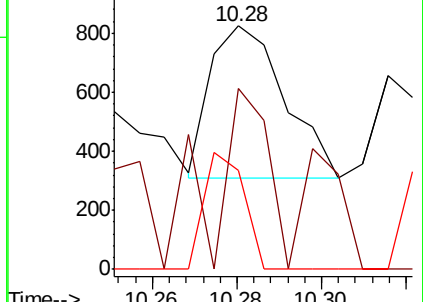
150 40.7 10.4 15.6#



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: 0.030 ng

RT: 10.26 min Scan# 1389

Delta R.T. -0.16 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

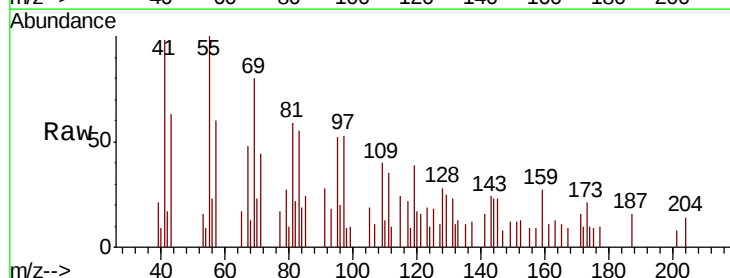
Tgt Ion:204 Resp: 189

Ion Ratio Lower Upper

204 100

206 0.0 26.5 39.7#

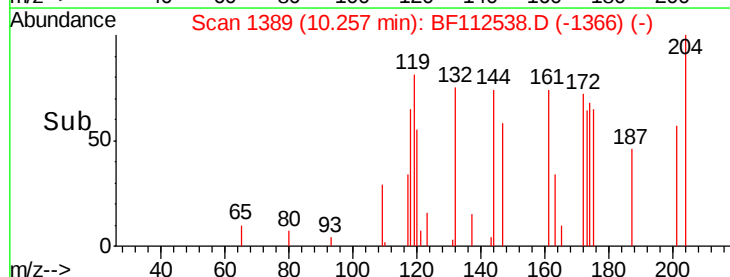
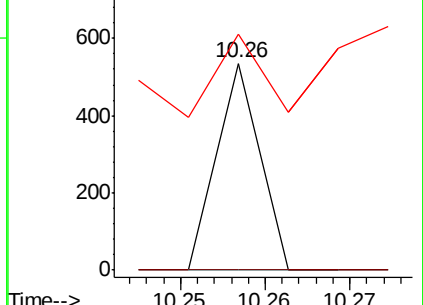
141 113.8 45.9 68.9#

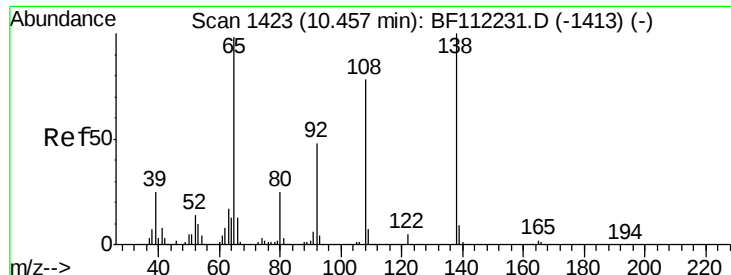


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

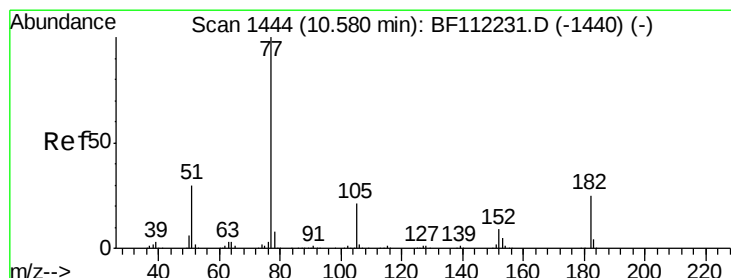
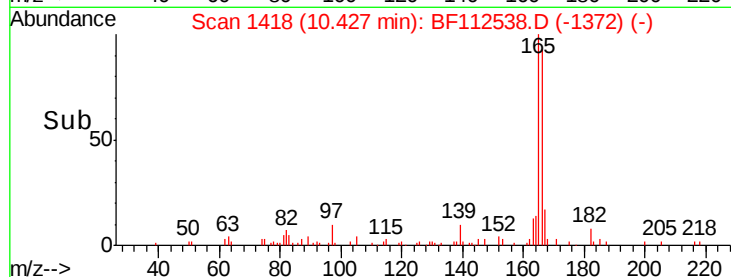
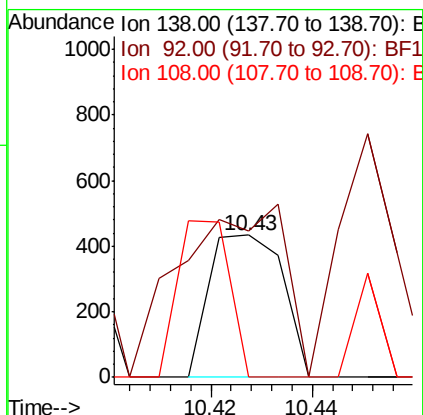
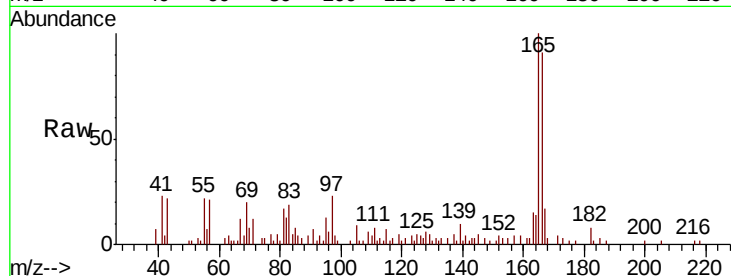




#62
4-Nitroaniline
Concen: 0.137 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.03 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

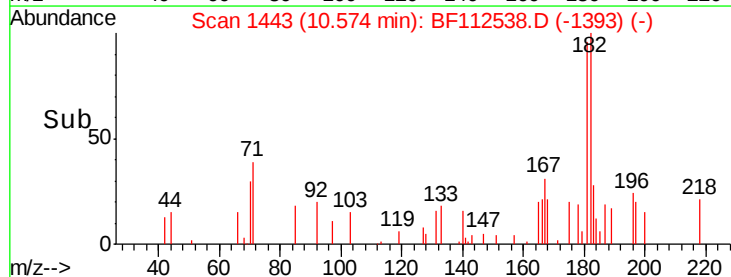
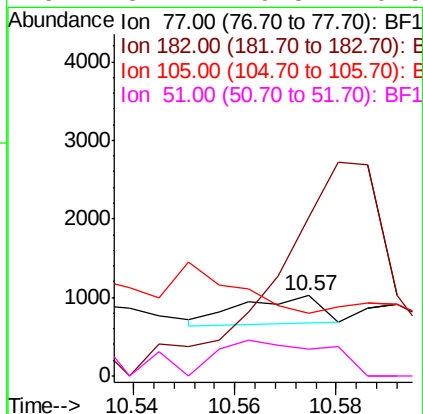
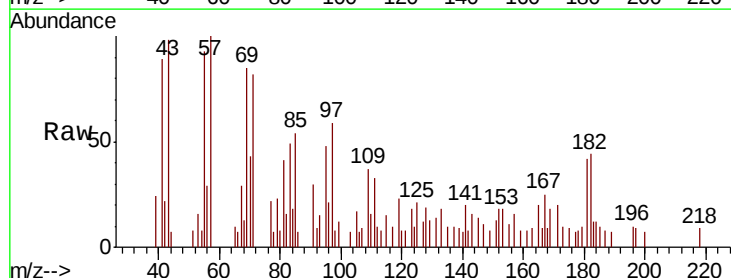
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

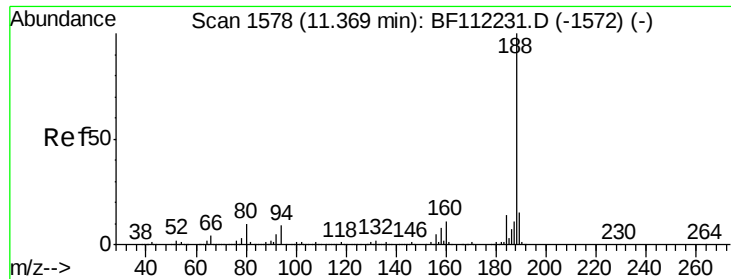
Tgt Ion: 138 Resp: 436
Ion Ratio Lower Upper
138 100
92 103.2 30.6 70.6#
108 0.0 50.0 90.0#



#63
Azobenzene
Concen: 0.032 ng
RT: 10.57 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion: 77 Resp: 373
Ion Ratio Lower Upper
77 100
182 196.9 5.7 45.7#
105 78.5 1.4 41.4#
51 34.1 9.5 49.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

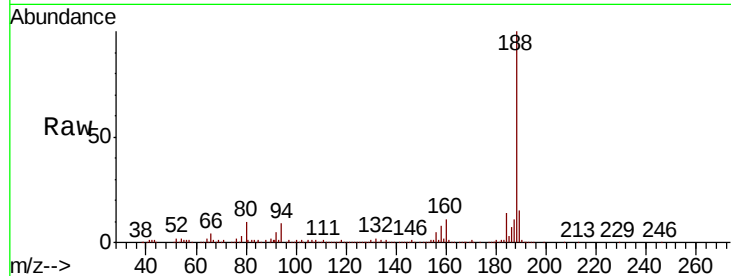
Tgt Ion:188 Resp: 305838

Ion Ratio Lower Upper

188 100

94 8.8 8.2 12.2

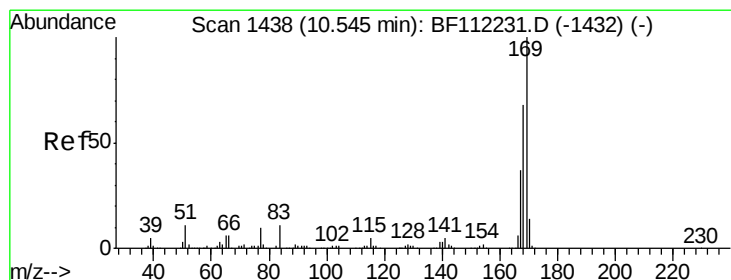
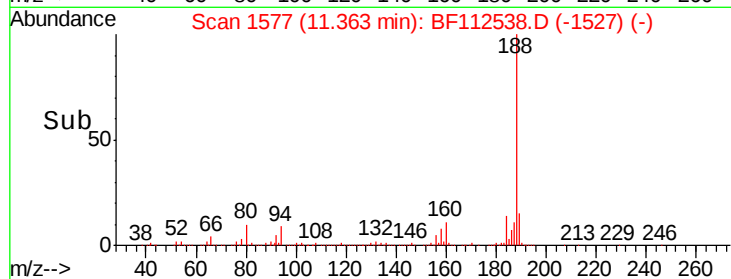
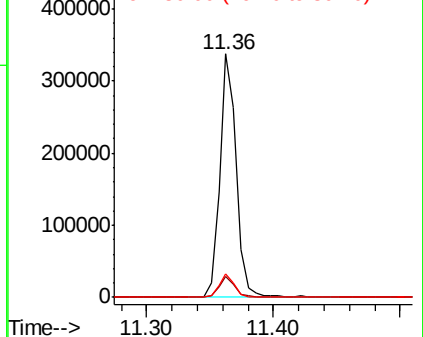
80 9.5 8.9 13.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

n-Nitrosodiphenylamine

Concen: 0.484 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

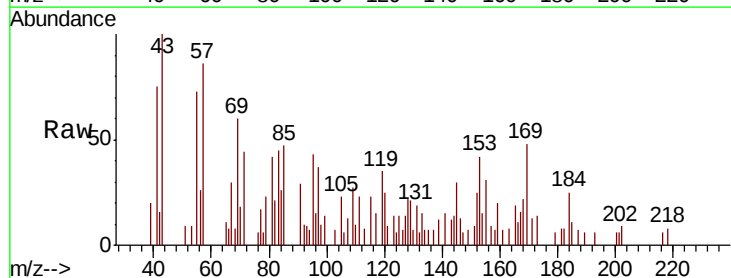
Tgt Ion:169 Resp: 4992

Ion Ratio Lower Upper

169 100

168 46.4 53.9 80.9#

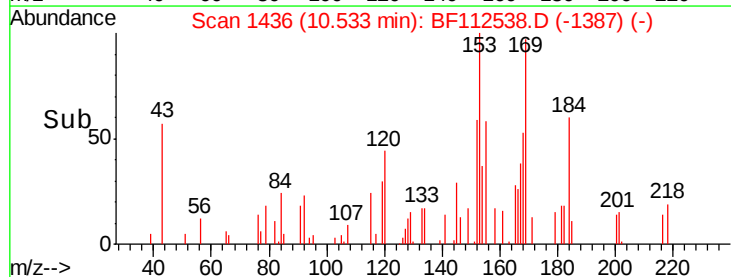
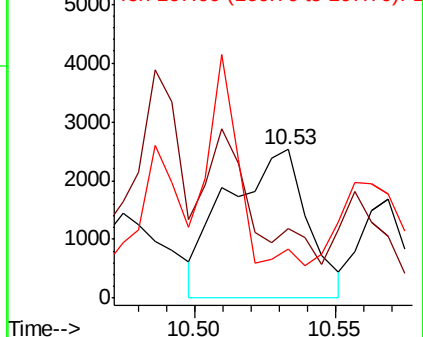
167 33.0 28.9 43.3

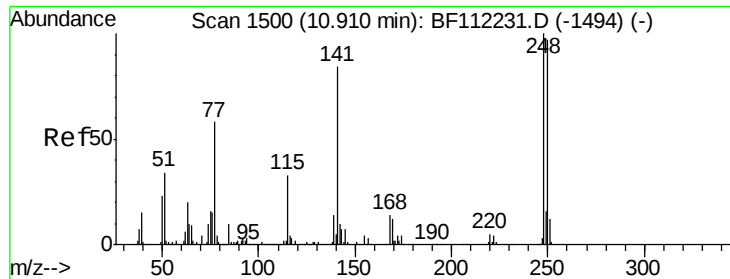


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

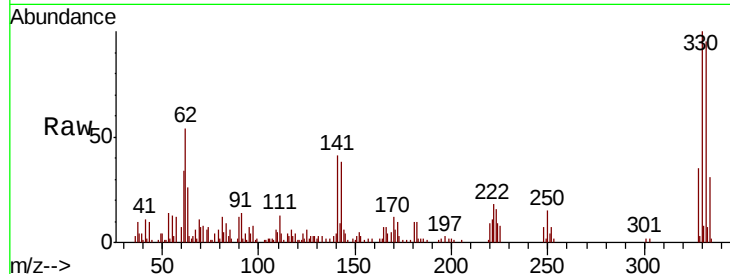




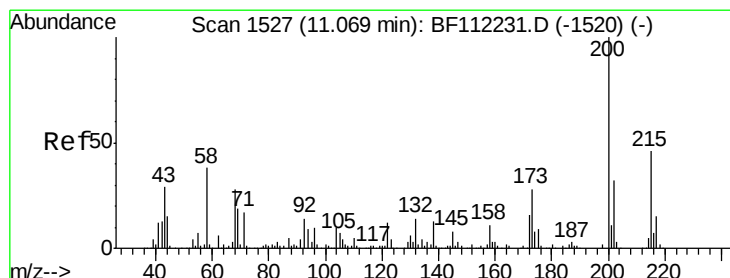
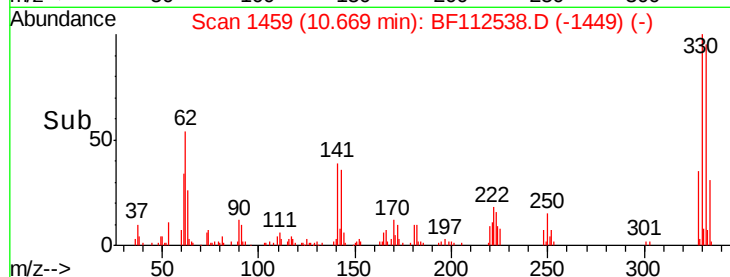
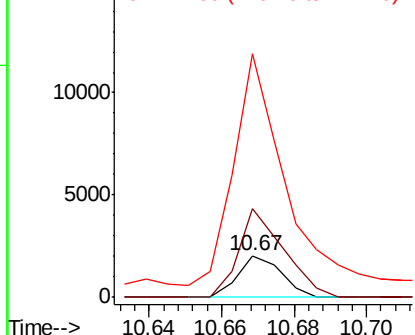
#67
 4-Bromophenyl-phenylether
 Concen: 0.473 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.24 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-E

Tgt Ion:248 Resp: 1702
 Ion Ratio Lower Upper
 248 100
 250 212.1 79.7 119.5#
 141 583.1 60.3 90.5#

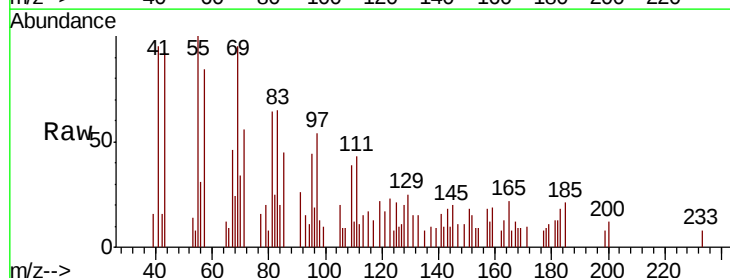


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

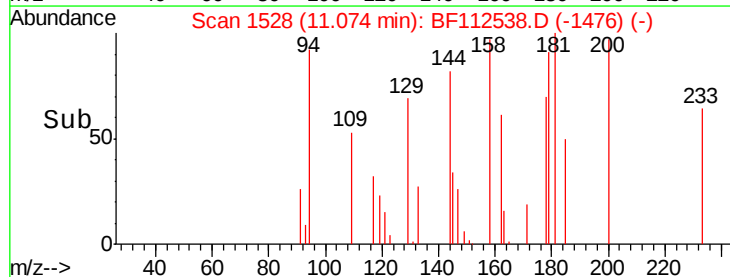
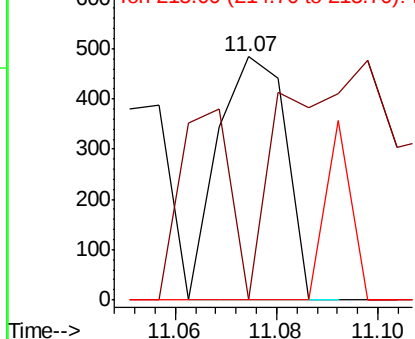


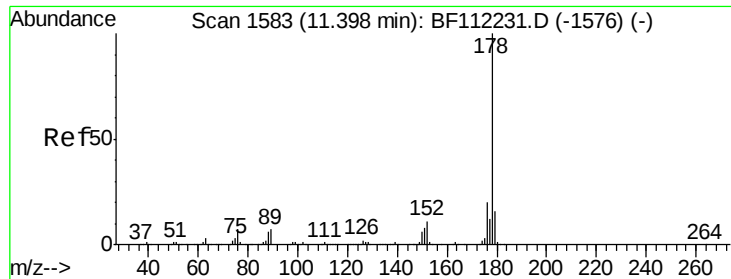
#69
 Atrazine
 Concen: 0.135 ng
 RT: 11.07 min Scan# 1528
 Delta R.T. 0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

Tgt Ion:200 Resp: 449
 Ion Ratio Lower Upper
 200 100
 173 0.0 7.1 47.1#
 215 0.0 30.4 70.4#



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

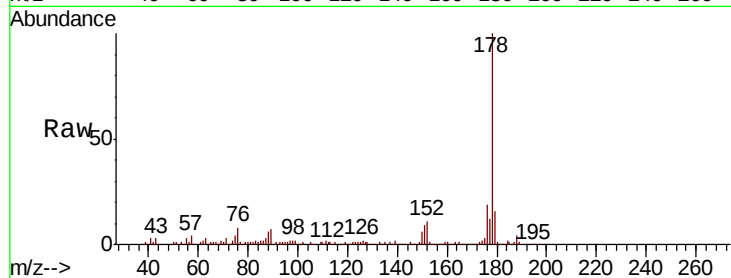




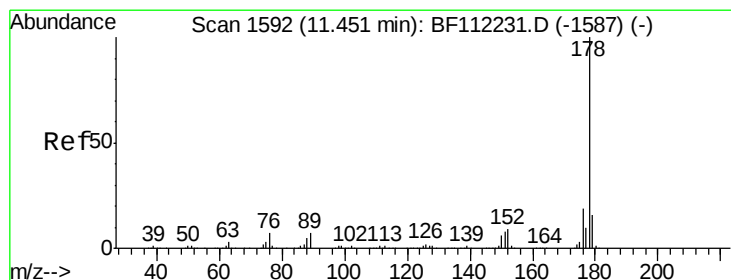
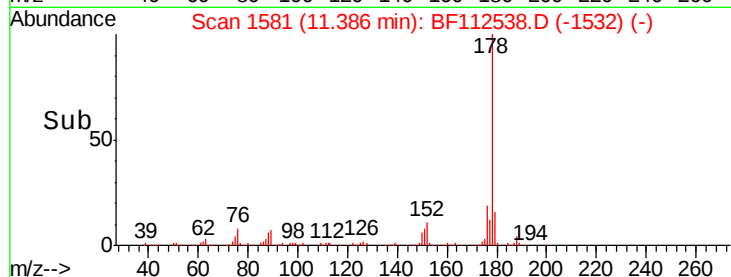
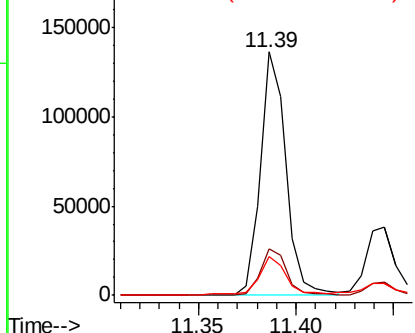
#71
Phenanthrene
Concen: 7.790 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.3	24.5
179	16.0	13.0	19.4

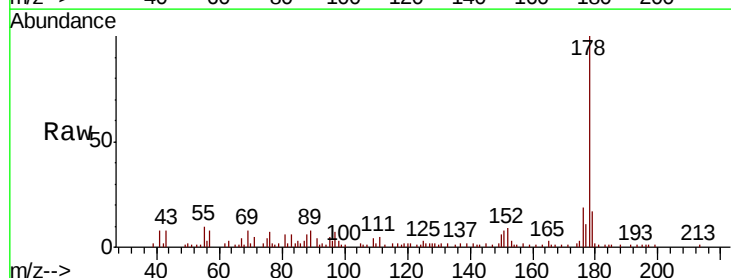


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

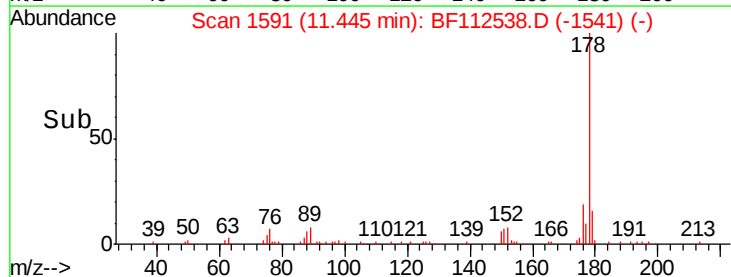
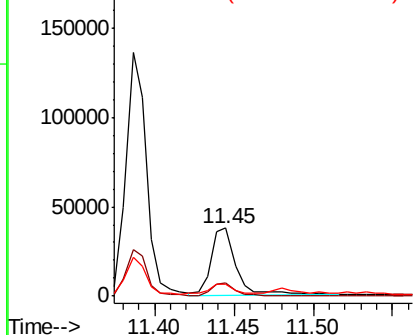


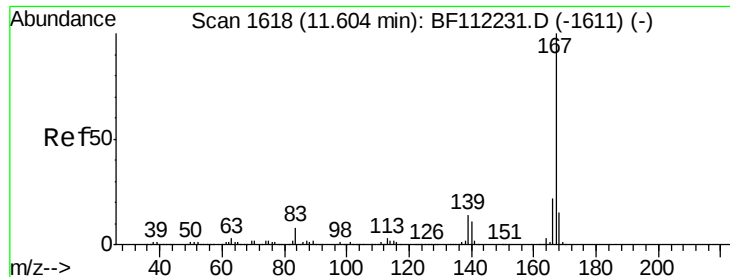
#72
Anthracene
Concen: 2.570 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.5	23.3
179	17.0	12.8	19.2



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

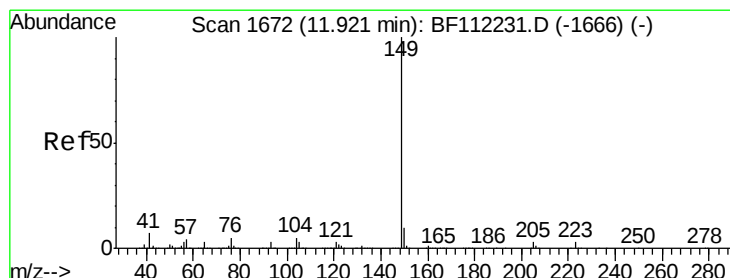
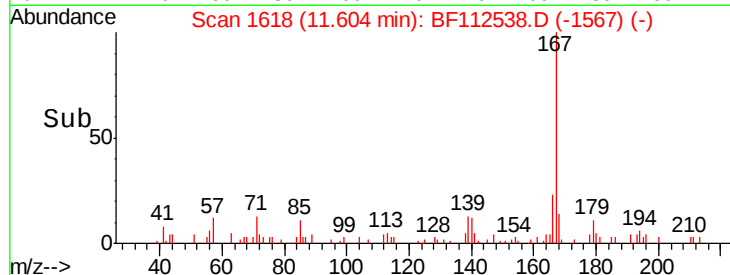
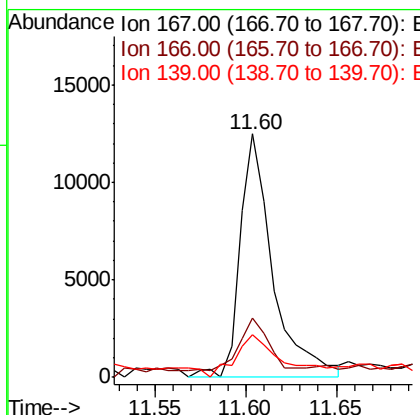
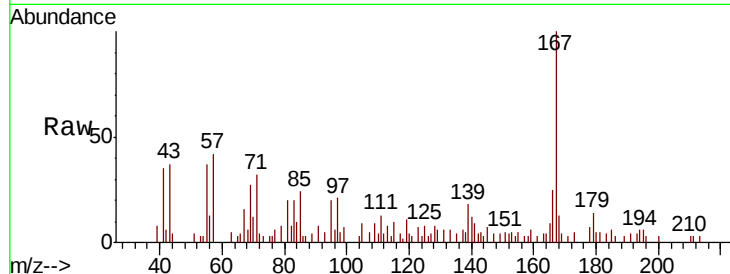




#73
 Carbazole
 Concen: 1.005 ng
 RT: 11.60 min Scan# 1618
 Delta R.T. 0.00 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

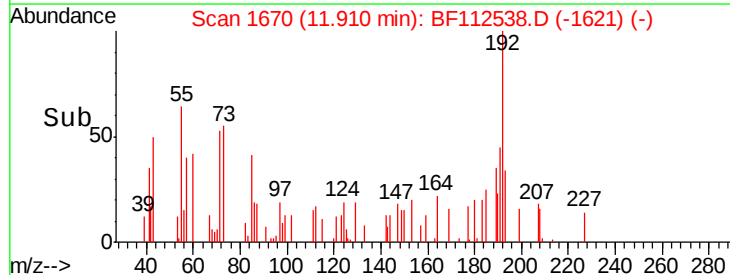
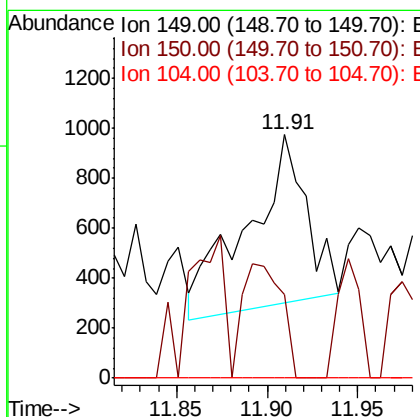
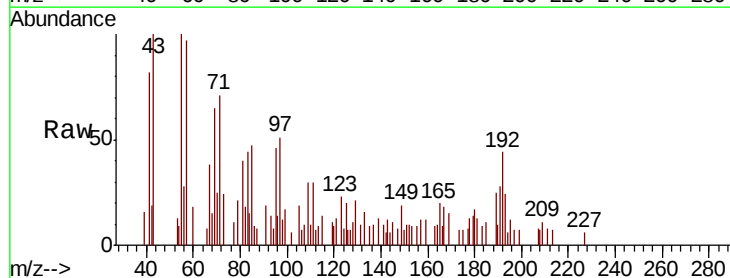
Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-E

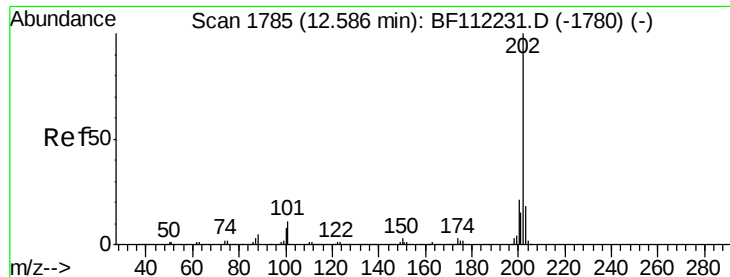
Tgt Ion:167 Resp: 15695
 Ion Ratio Lower Upper
 167 100
 166 24.5 17.9 26.9
 139 17.5 10.2 15.2#



#74
 Di-n-butylphthalate
 Concen: 0.080 ng
 RT: 11.91 min Scan# 1670
 Delta R.T. -0.01 min
 Lab File: BF112538.D
 Acq: 13 Feb 2019 14:53

Tgt Ion:149 Resp: 1542
 Ion Ratio Lower Upper
 149 100
 150 34.4 8.1 12.1#
 104 0.0 3.9 5.9#





#75

Fluoranthene

Concen: 7.388 ng

RT: 12.59 min Scan# 1785

Delta R.T. 0.00 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

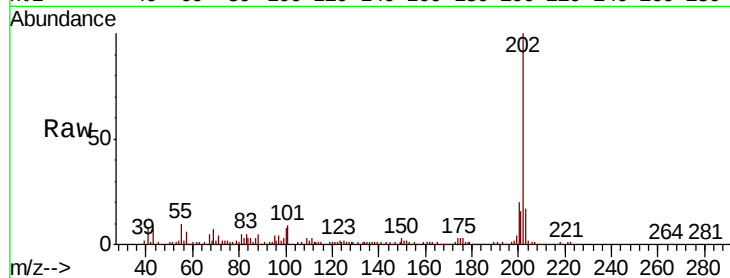
Tgt Ion:202 Resp: 125992

Ion Ratio Lower Upper

202 100

101 9.3 0.0 31.8

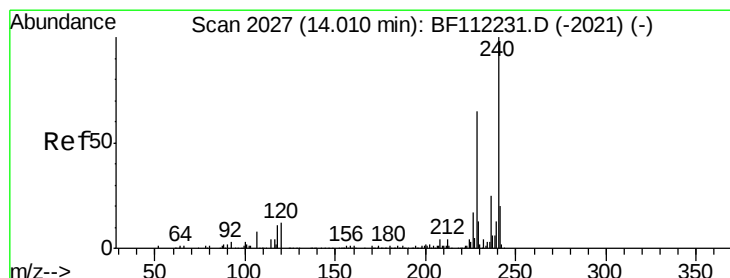
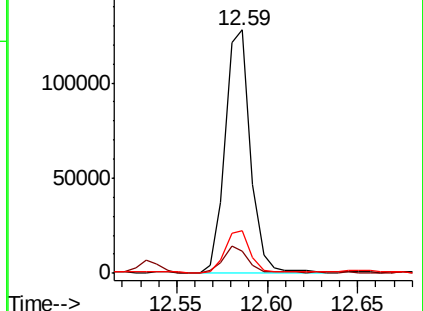
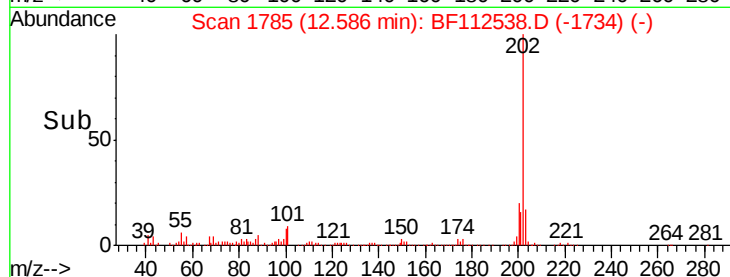
203 17.3 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

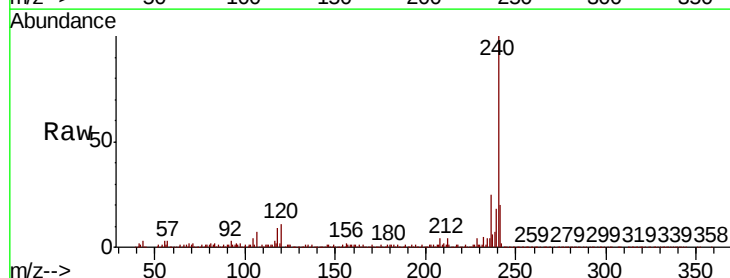
Tgt Ion:240 Resp: 288584

Ion Ratio Lower Upper

240 100

120 10.5 9.0 13.6

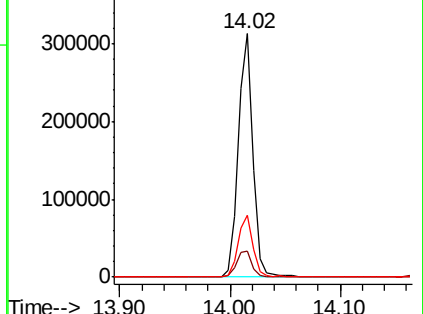
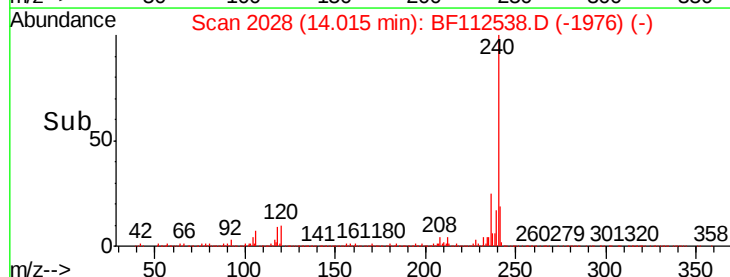
236 25.2 20.7 31.1

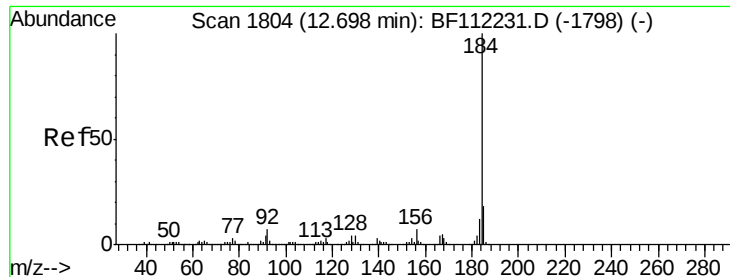


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.013 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

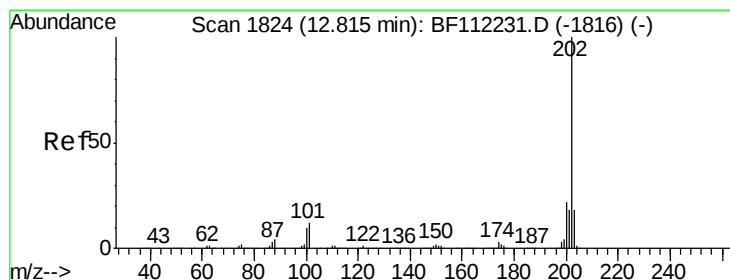
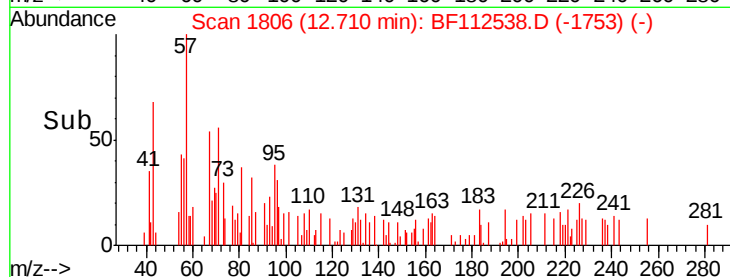
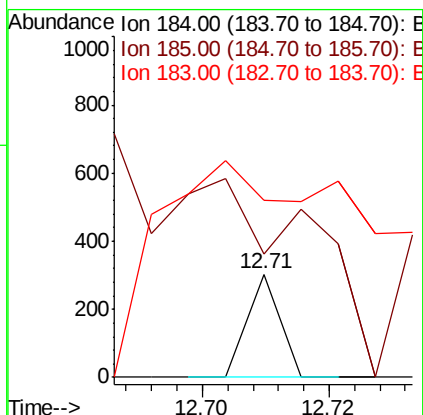
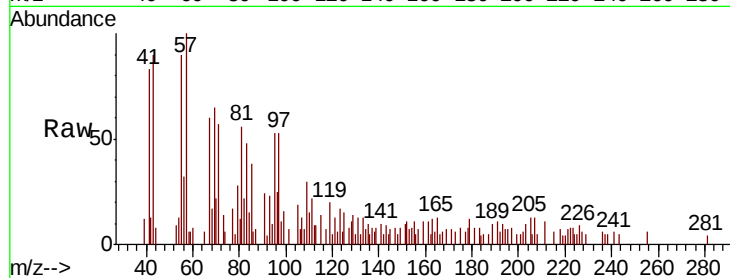
Tgt Ion:184 Resp: 107

Ion Ratio Lower Upper

184 100

185 120.1 13.9 20.9#

183 171.6 10.0 15.0#



#78

Pyrene

Concen: 5.212 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

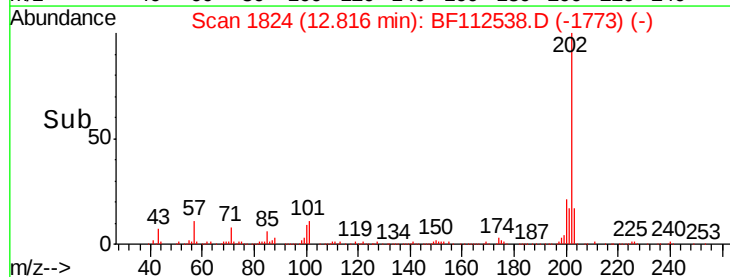
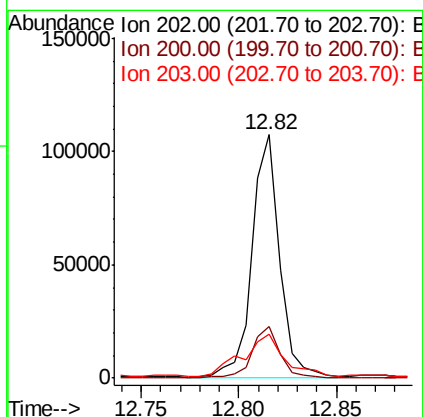
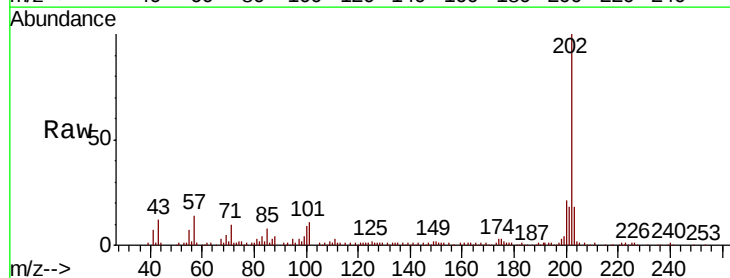
Tgt Ion:202 Resp: 104135

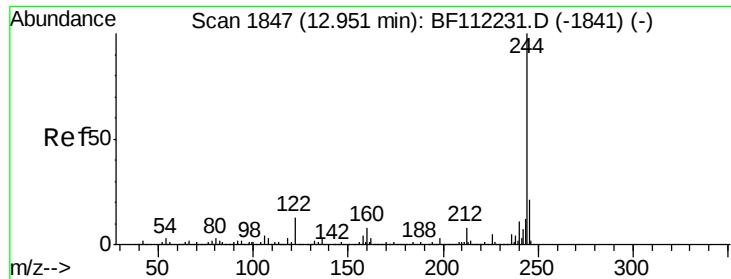
Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

203 17.9 14.6 22.0





#79

Terphenyl-d14

Concen: 10.701 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

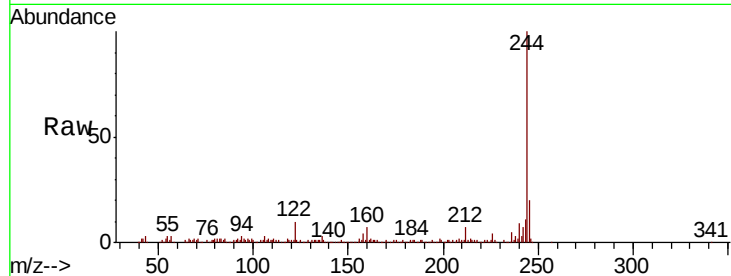
Tgt Ion:244 Resp: 163956

Ion Ratio Lower Upper

244 100

212 7.1 5.9 8.9

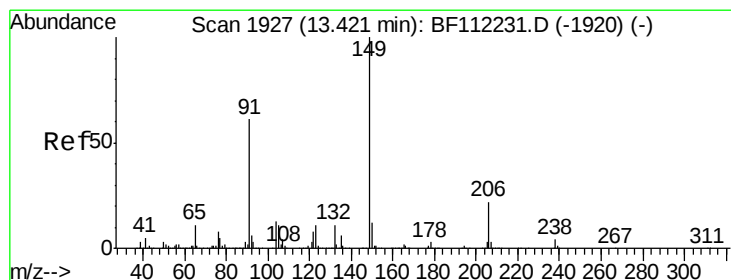
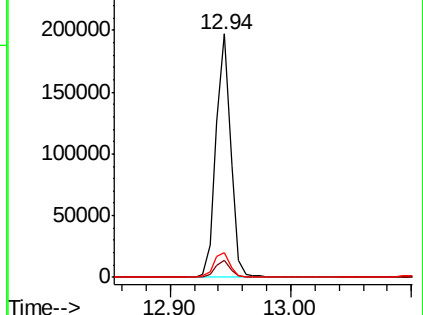
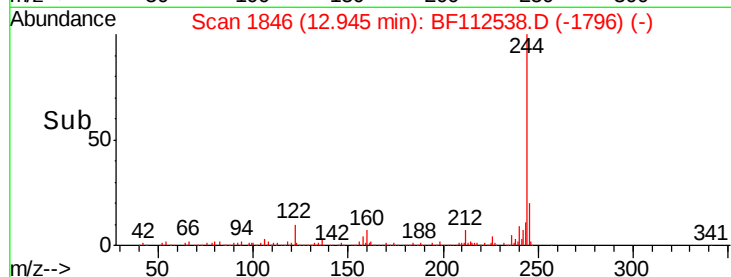
122 9.9 9.8 14.6



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: 0.084 ng

RT: 13.37 min Scan# 1919

Delta R.T. -0.05 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

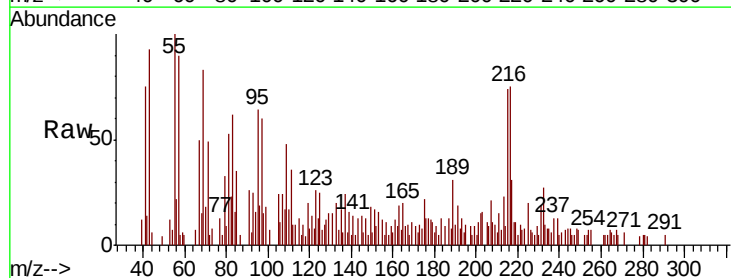
Tgt Ion:149 Resp: 813

Ion Ratio Lower Upper

149 100

91 145.4 50.3 75.5#

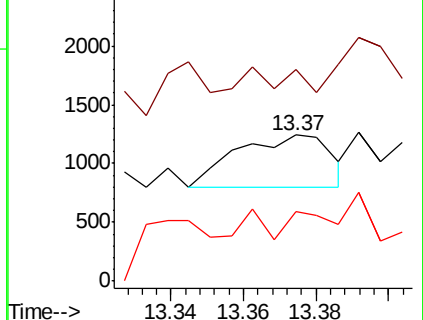
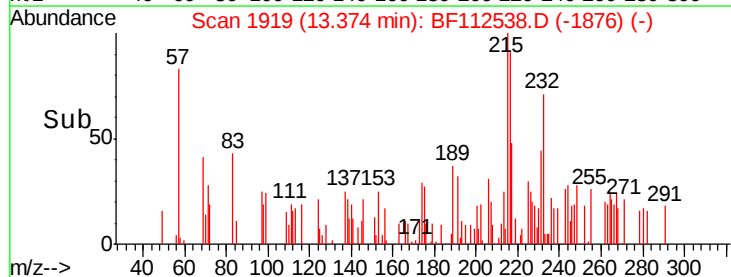
206 47.3 18.2 27.4#

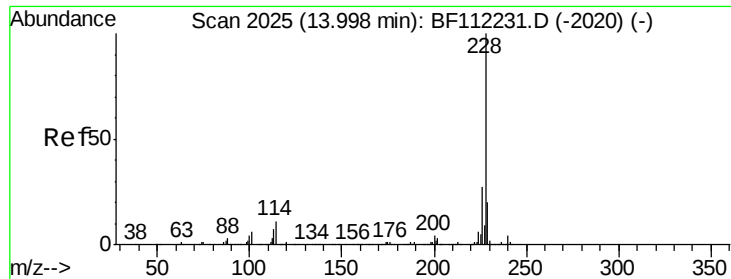


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 3.110 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

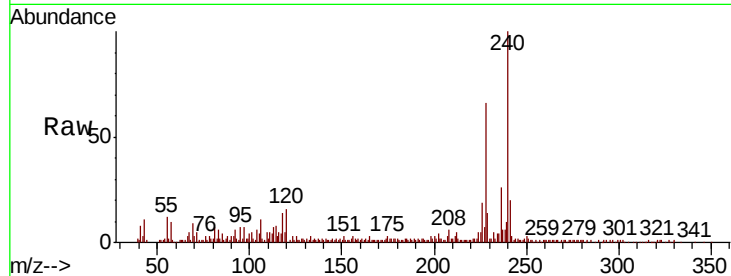
Tgt Ion:228 Resp: 52754

Ion Ratio Lower Upper

228 100

226 29.0 22.6 34.0

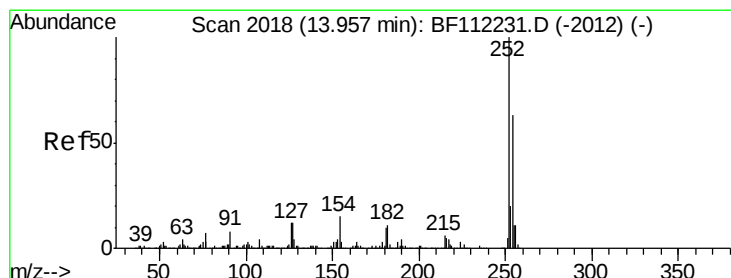
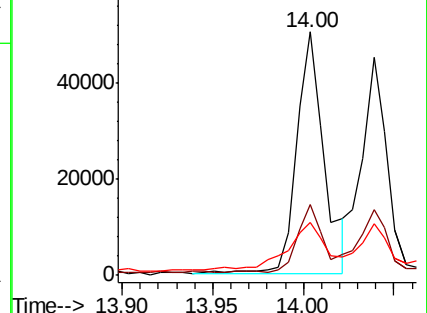
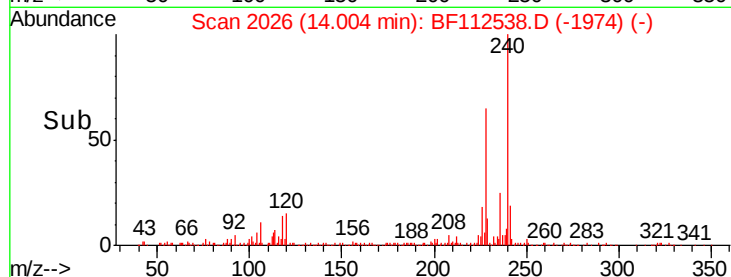
229 21.8 16.5 24.7



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 0.078 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

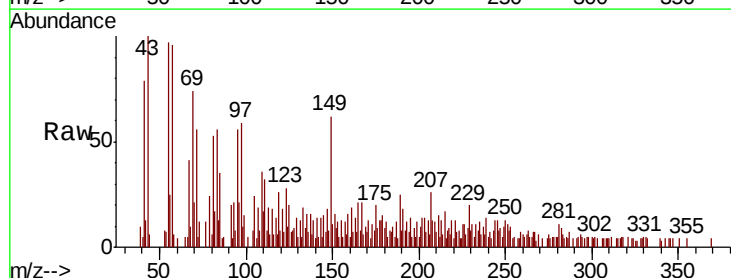
Tgt Ion:252 Resp: 497

Ion Ratio Lower Upper

252 100

254 48.6 51.6 77.4#

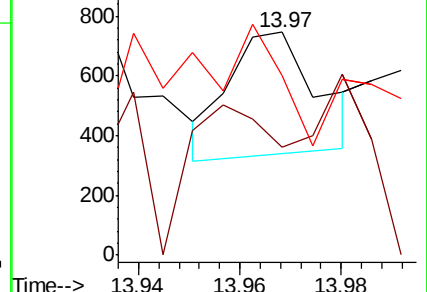
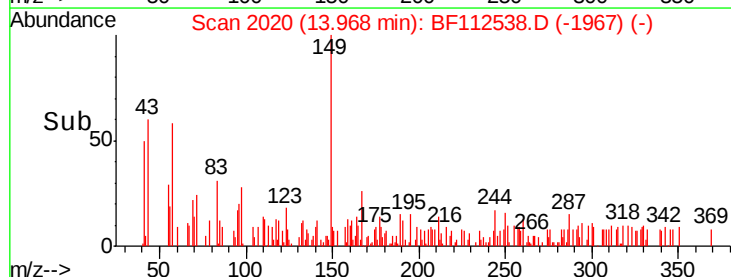
126 80.9 8.6 12.8#

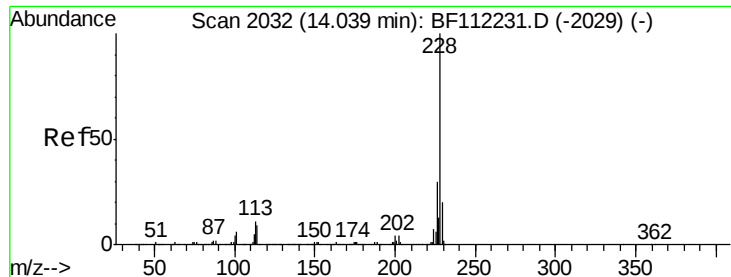


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

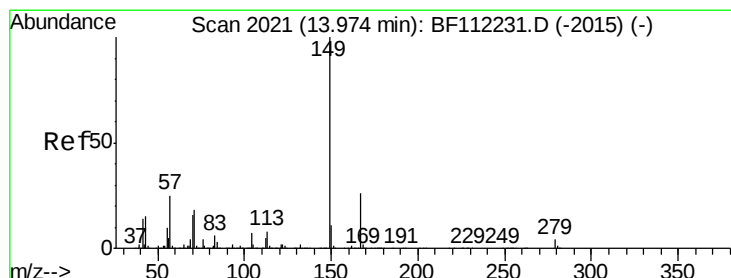
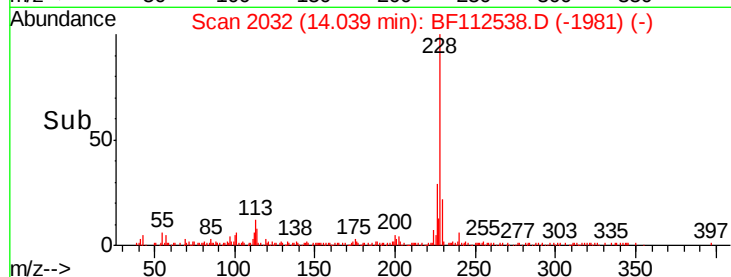
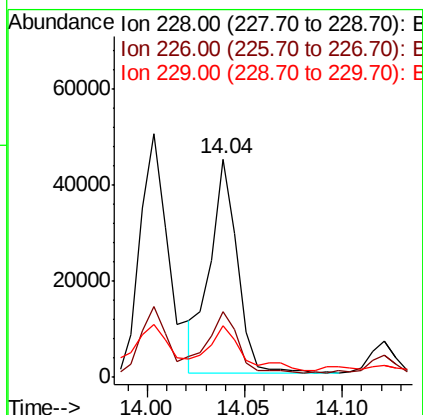
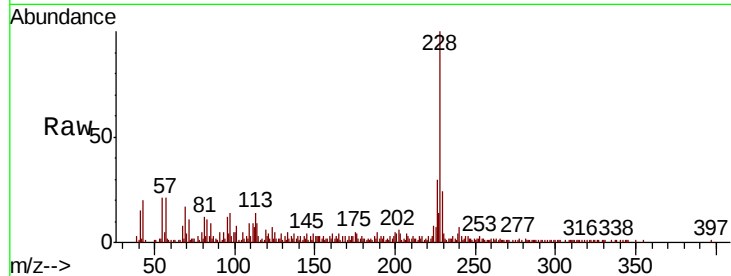




#83
Chrysene
Concen: 2.666 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

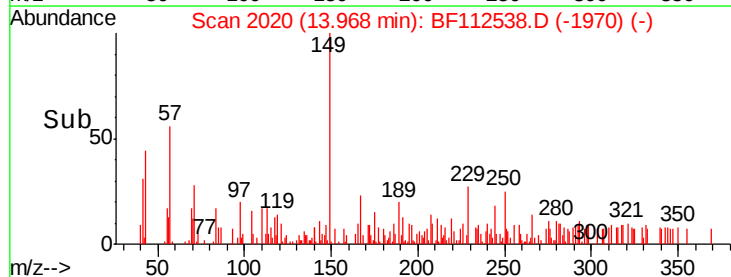
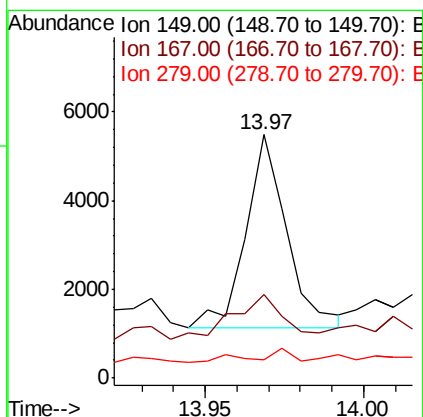
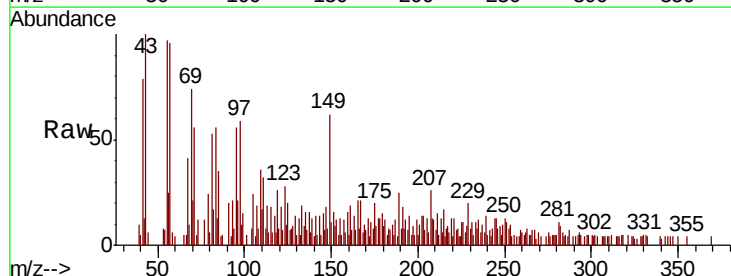
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

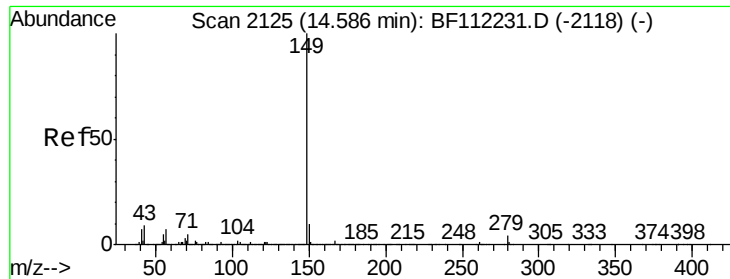
Tgt Ion: 228 Resp: 43172
Ion Ratio Lower Upper
228 100
226 30.2 25.0 37.6
229 23.5 16.6 24.8



#84
Bis(2-ethylhexyl)phthalate
Concen: 0.286 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion: 149 Resp: 3919
Ion Ratio Lower Upper
149 100
167 34.4 22.5 33.7#
279 7.5 3.8 5.6#

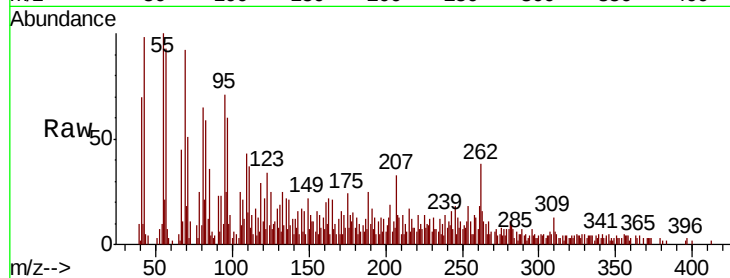




#85
Di-n-octyl phthalate
Concen: 0.058 ng
RT: 14.60 min Scan# 2127
Delta R.T. 0.01 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

Tgt Ion	Ratio	Lower	Upper
149	100		
167	46.3	1.3	1.9#
43	0.0	7.8	11.6#

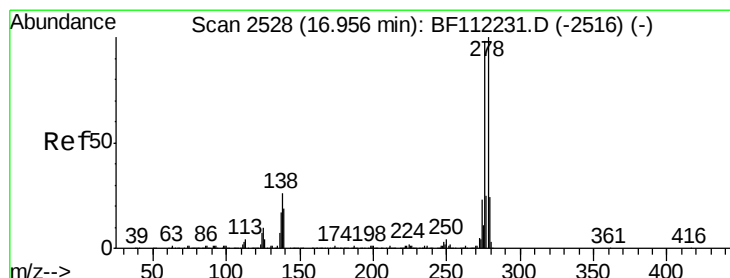
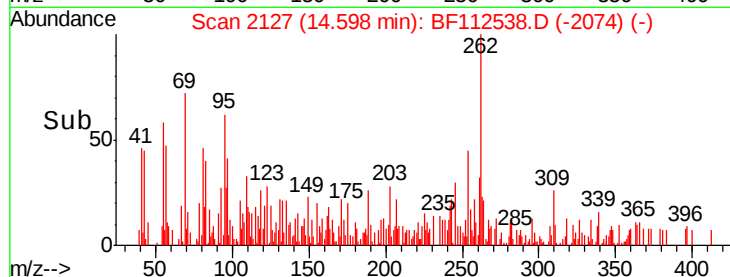
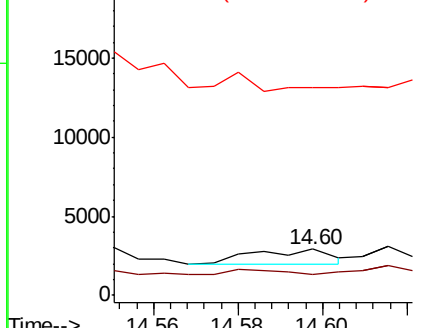


Abundance

Ion 149.00 (148.70 to 149.70): E

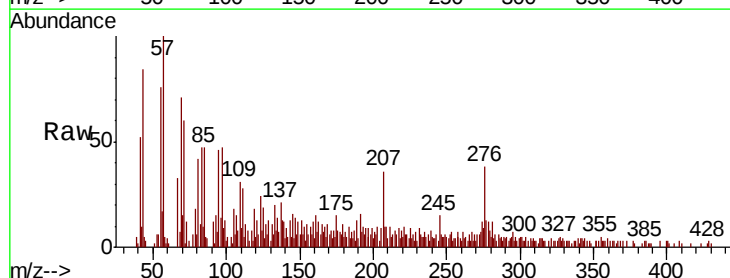
Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86
Indeno(1,2,3-cd)pyrene
Concen: 0.765 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.05 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	22.6	34.0
277	26.5	20.3	30.5

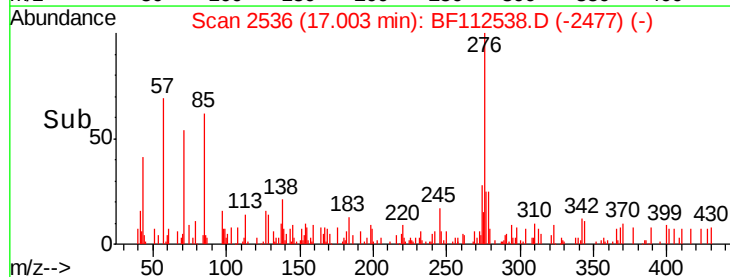
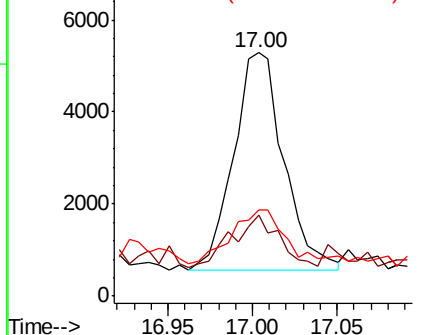


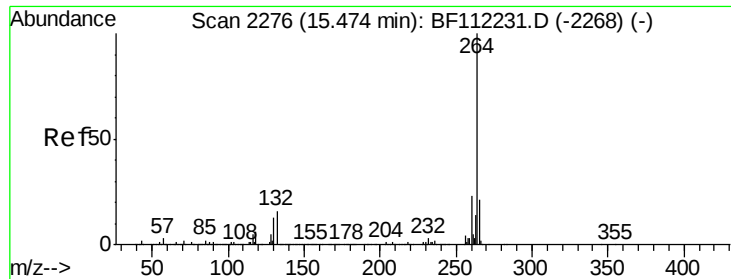
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2280

Delta R.T. 0.02 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

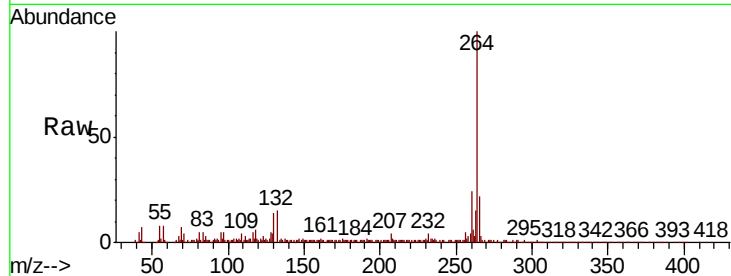
Tgt Ion:264 Resp: 208650

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.2

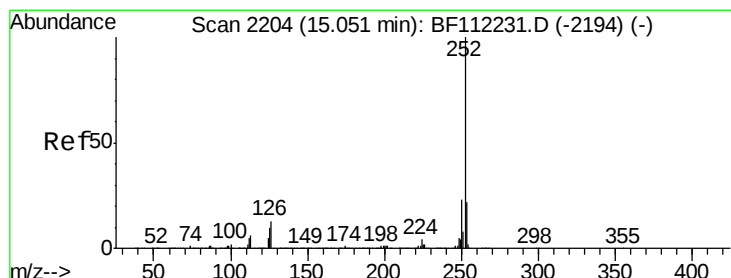
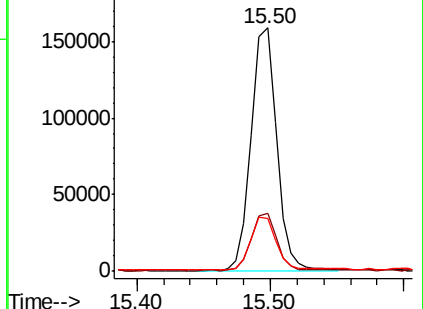
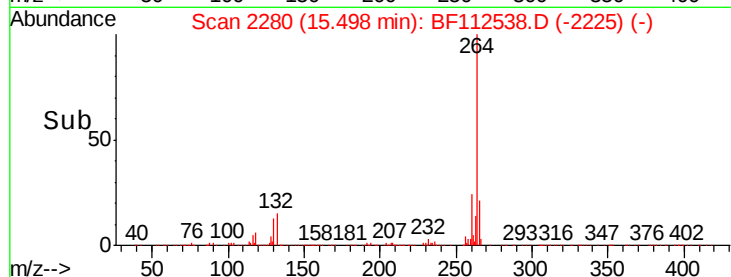
265 21.9 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 4.031 ng

RT: 15.06 min Scan# 2206

Delta R.T. 0.01 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

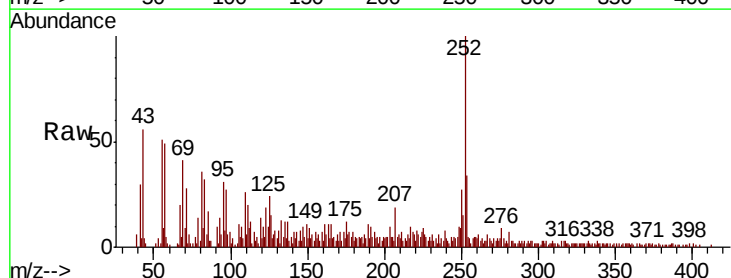
Tgt Ion:252 Resp: 50296

Ion Ratio Lower Upper

252 100

253 33.8 18.0 27.0#

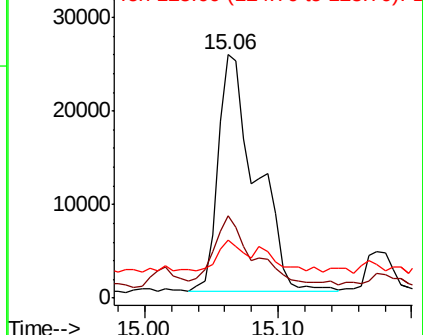
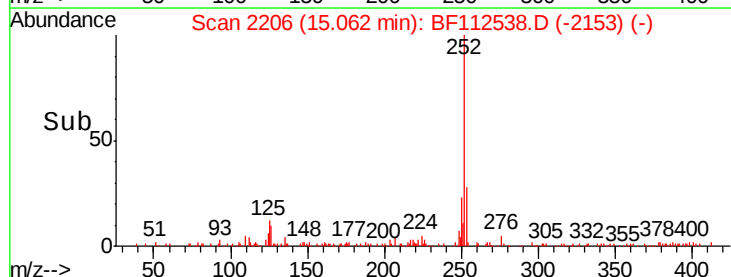
125 23.9 8.7 13.1#

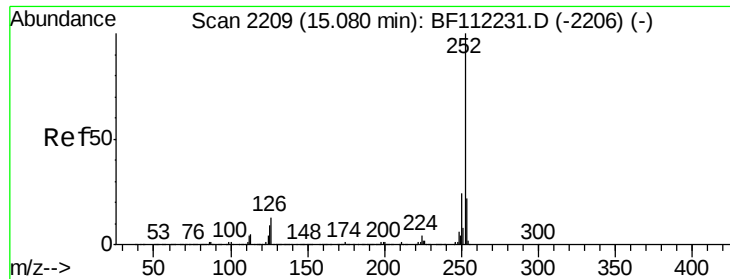


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

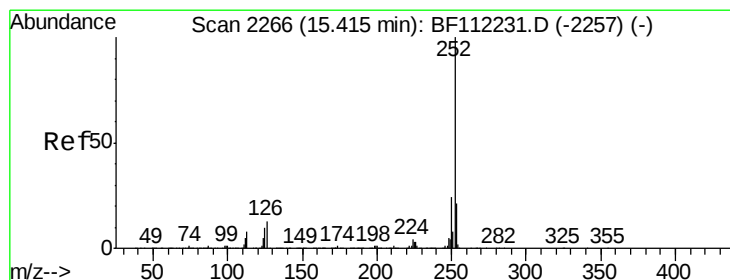
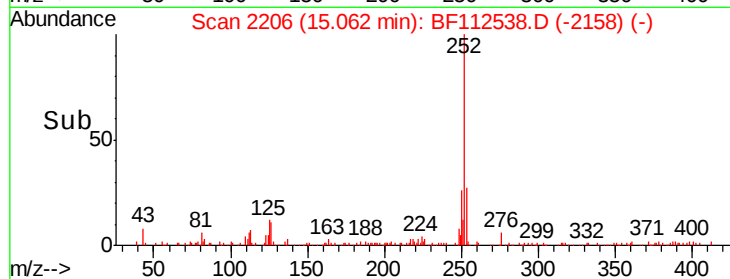
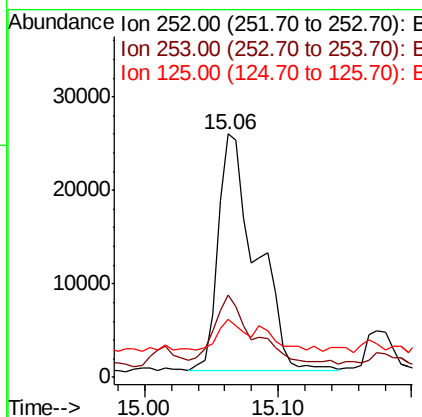
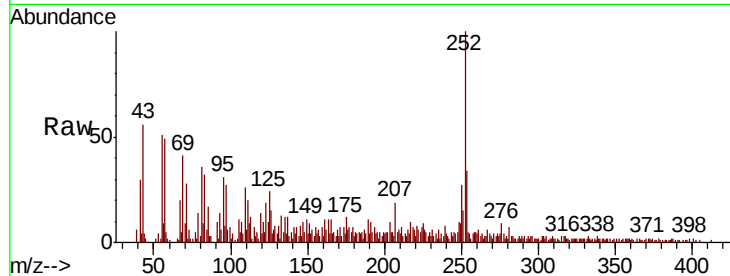




#89
Benzo(k)fluoranthene
Concen: 4.208 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

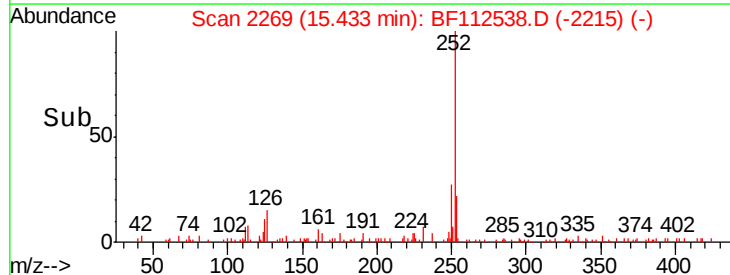
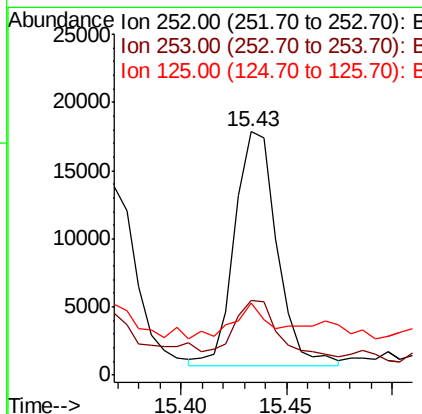
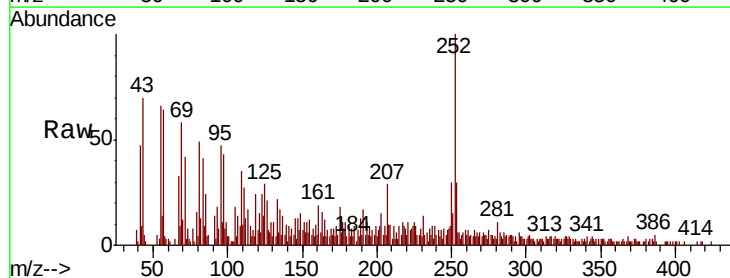
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-E

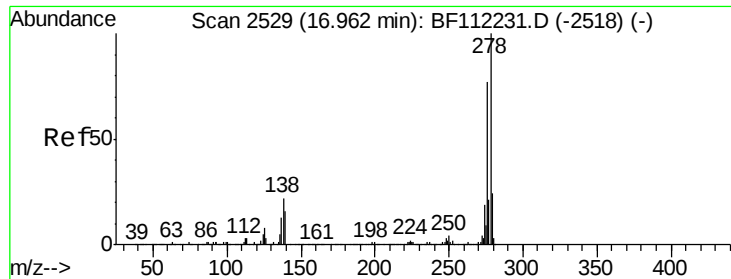
Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.8	18.0	27.0#
125	23.9	9.1	13.7#



#90
Benzo(a)pyrene
Concen: 2.121 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112538.D
Acq: 13 Feb 2019 14:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	17.5	26.3#
125	29.5	9.0	13.4#





#91

Dibenzo(a,h)anthracene

Concen: 0.359 ng

RT: 16.99 min Scan# 2533

Delta R.T. 0.02 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-E

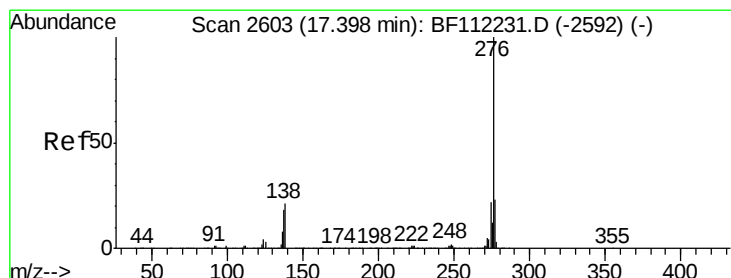
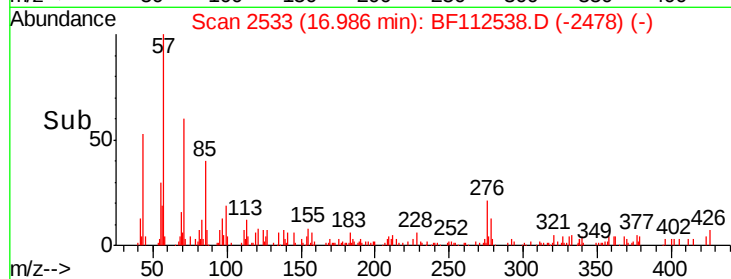
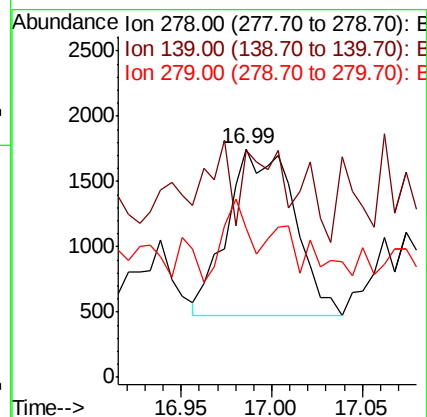
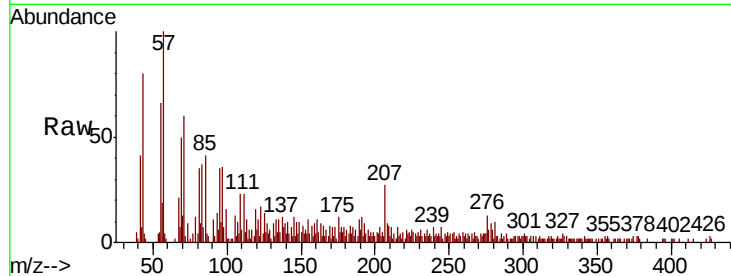
Tgt Ion:278 Resp: 3250

Ion Ratio Lower Upper

278 100

139 99.1 13.7 20.5#

279 65.1 19.0 28.6#



#92

Benzo(g,h,i)perylene

Concen: 1.060 ng

RT: 17.46 min Scan# 2613

Delta R.T. 0.06 min

Lab File: BF112538.D

Acq: 13 Feb 2019 14:53

Tgt Ion:276 Resp: 9050

Ion Ratio Lower Upper

276 100

277 40.3 19.4 29.0#

138 32.9 19.1 28.7#

