

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071020\
 Data File : BF120836.D
 Acq On : 10 Jul 2020 17:37
 Operator : JU/CG
 Sample : L3255-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-58

Quant Time: Jul 10 18:48:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF070220.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 18:51:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	176031	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	645466	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	116299	20.00	ng	0.04
64) Phenanthrene-d10	11.46	188	127897	20.00	ng	0.09
76) Chrysene-d12	14.05	240	201516	20.00	ng	0.04
86) Perylene-d12	15.49	264	392091	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	1327957	116.45	ng	0.00
7) Phenol-d6	6.47	99	1614249	110.85	ng	0.00
23) Nitrobenzene-d5	7.41	82	1023956	91.91	ng	0.00
42) 2,4,6-Tribromophenol	10.74	330	204018	174.61	ng	0.06
45) 2-Fluorobiphenyl	9.23	172	1646554	214.20	ng	0.02
79) Terphenyl-d14	13.03	244	607843	59.06	ng	0.06

Target Compounds

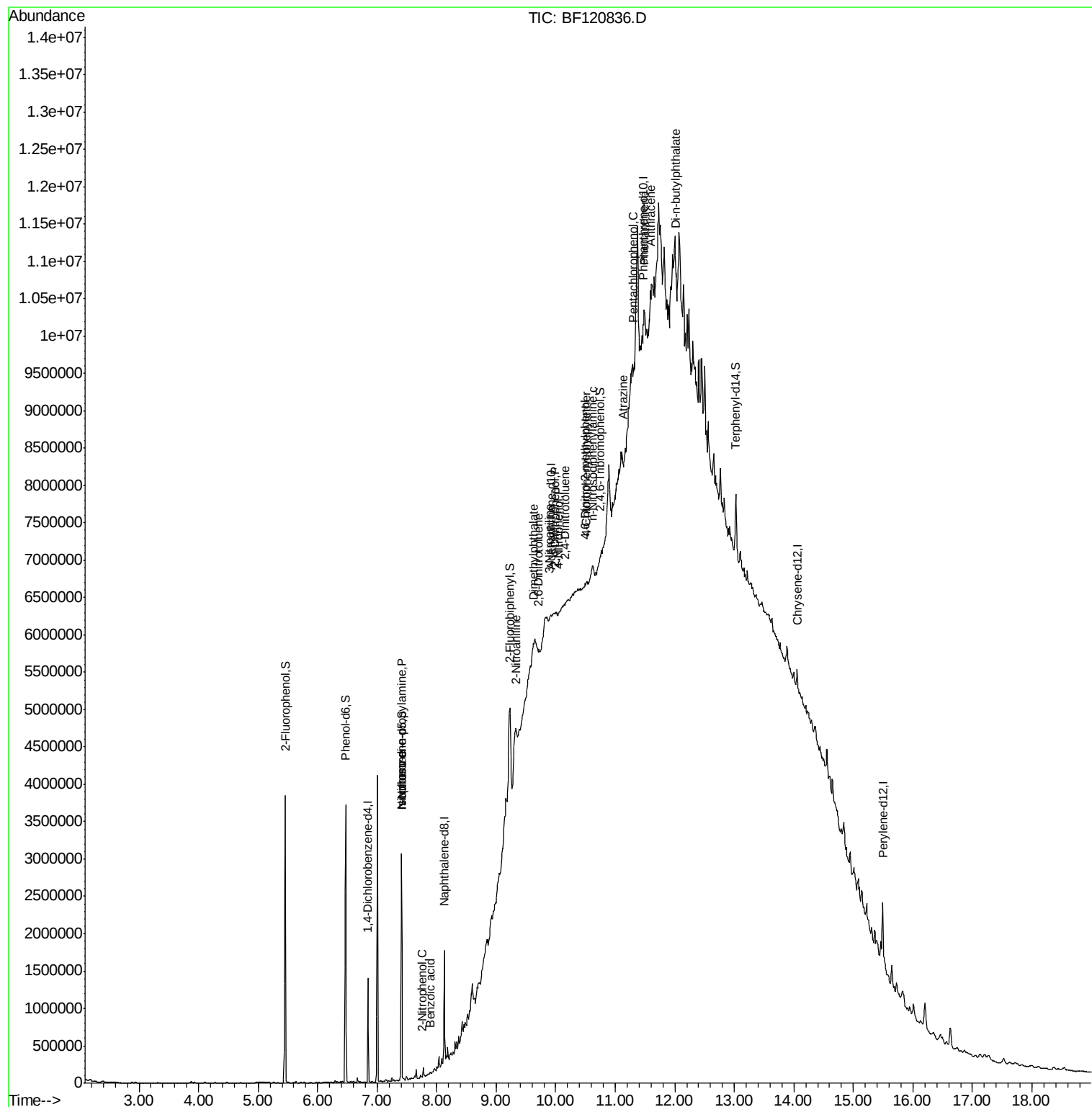
						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	142559	16.258	ng	# 76
25) Isophorone	7.41	82	1017942	42.369	ng	# 64
26) 2-Nitrophenol	7.75	139	579	4.070	ng	# 1
32) Benzoic acid	7.89	122	680	4.316	ng	# 31
48) 2-Nitroaniline	9.33	65	35316	17.457	ng	# 75
50) Dimethylphthalate	9.62	163	141065	16.628	ng	# 53
51) 2,6-Dinitrotoluene	9.70	165	60132	36.249	ng	# 28
53) 3-Nitroaniline	9.89	138	35481	18.548	ng	# 32
54) 2,4-Dinitrophenol	9.98	184	300	9.930	ng	# 1
56) 4-Nitrophenol	10.05	139	3254	4.128	ng	# 1
57) 2,4-Dinitrotoluene	10.15	165	12412	8.606	ng	# 37
61) 4-Chlorophenyl-phenylether	10.51	204	14369	3.645	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.49	198	13789	28.903	ng	# 1
66) n-Nitrosodiphenylamine	10.62	169	36949	8.619	ng	# 63
69) Atrazine	11.13	200	5102	4.620	ng	# 1
70) Pentachlorophenol	11.30	266	17168	19.491	ng	# 4
71) Phenanthrene	11.49	178	26296	3.789	ng	# 1
72) Anthracene	11.59	178	28809	4.108	ng	# 1
74) Di-n-butylphthalate	12.03	149	66582	7.981	ng	# 22

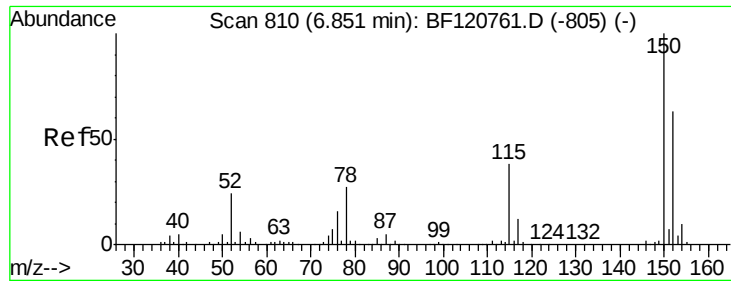
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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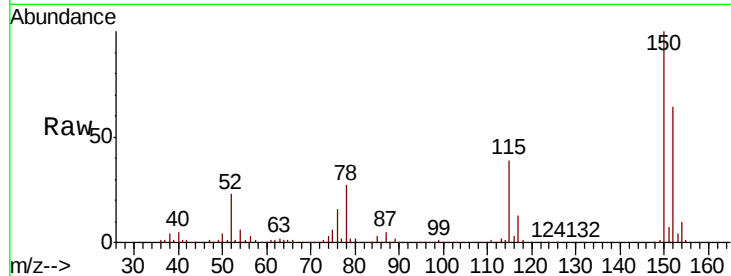


#1

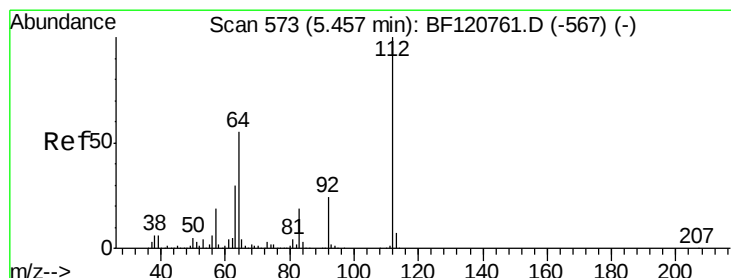
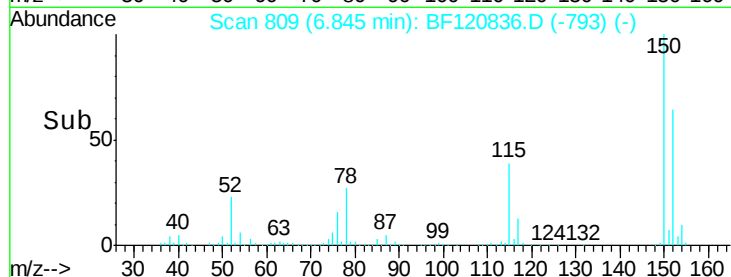
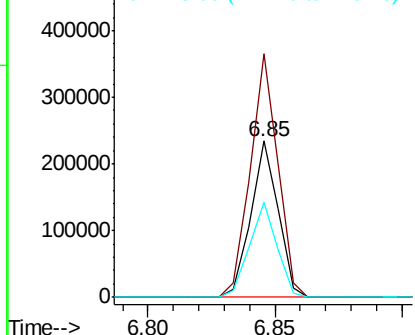
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

Instrument :
BNA_F
ClientSampleId :
CHRT-58

Tot Ion:152 Resp: 176031
Ion Ratio Lower Upper
152 100
150 155.8 126.1 189.1
115 61.1 48.5 72.7



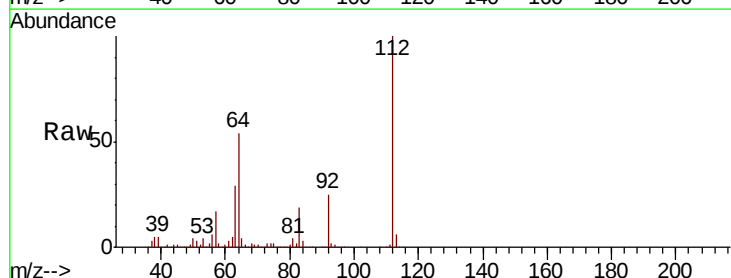
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



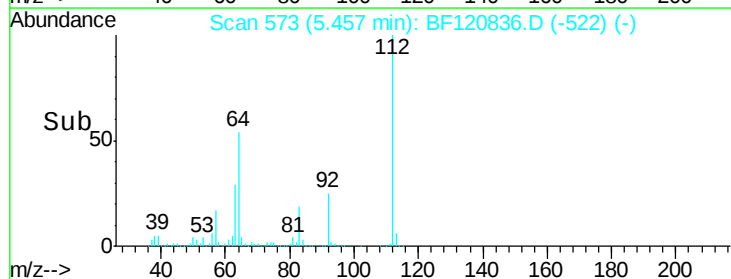
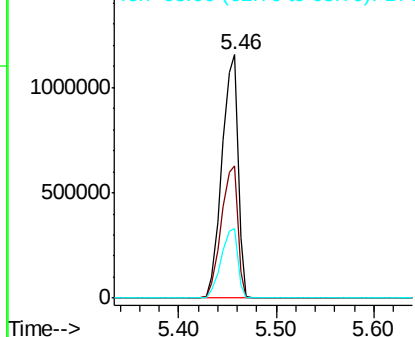
#5

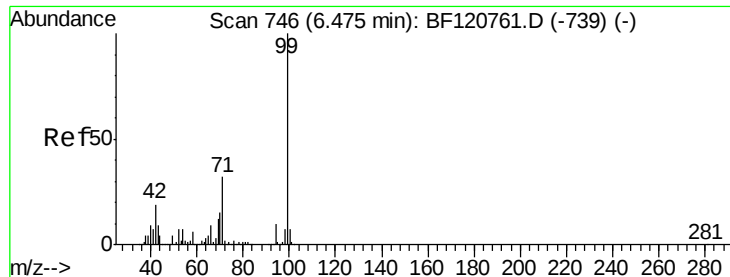
2-Fluorophenol
Concen: 116.451 ng
RT: 5.46 min Scan# 573
Delta R.T. 0.00 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

Tgt Ion:112 Resp: 1327957
Ion Ratio Lower Upper
112 100
64 54.3 43.8 65.6
63 28.5 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: 110.847 ng

RT: 6.47 min Scan# 746

Delta R.T. 0.00 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-58

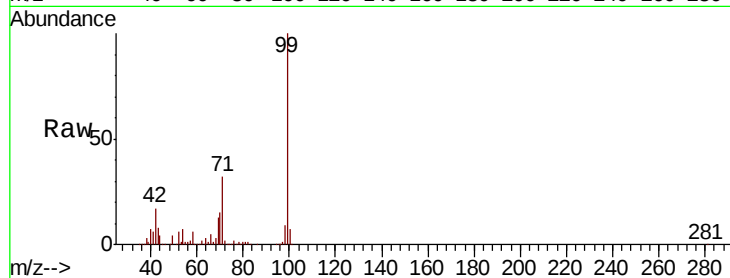
Tot Ion: 99 Resp: 1614249

Ion Ratio Lower Upper

99 100

42 17.4 15.4 23.0

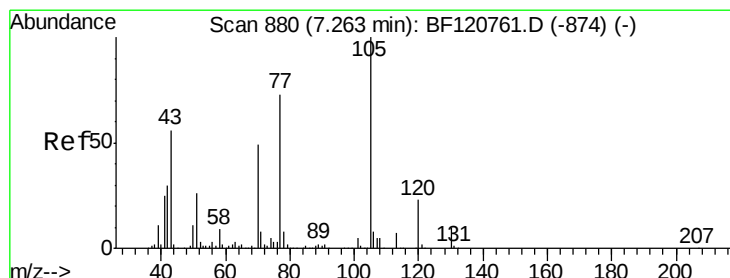
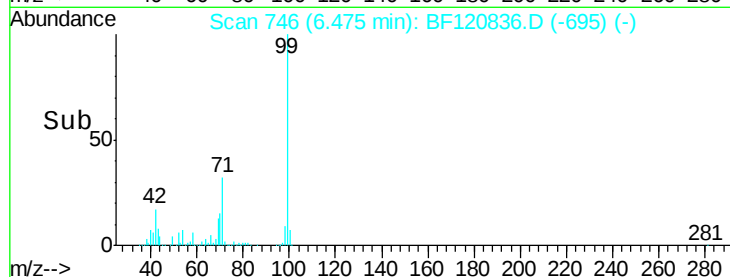
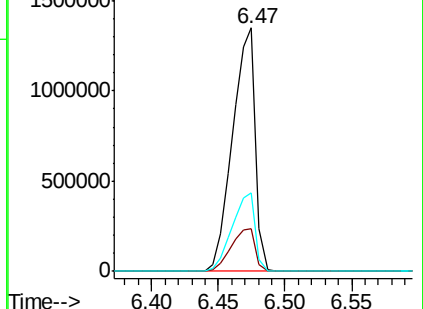
71 32.1 25.9 38.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 16.258 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.15 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

Tgt Ion: 70 Resp: 142559

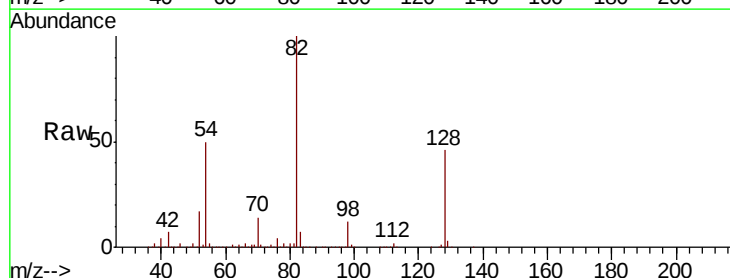
Ion Ratio Lower Upper

70 100

42 48.5 50.3 75.5#

101 0.0 7.5 11.3#

130 2.1 16.1 24.1#

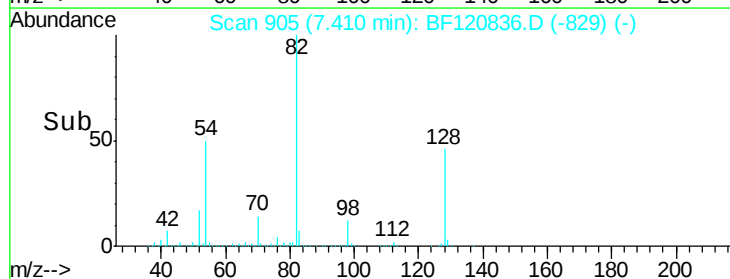
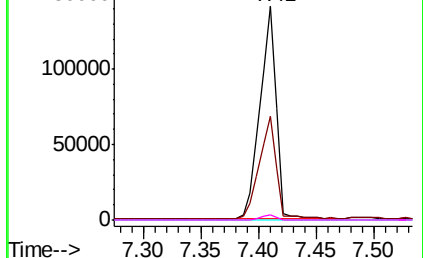


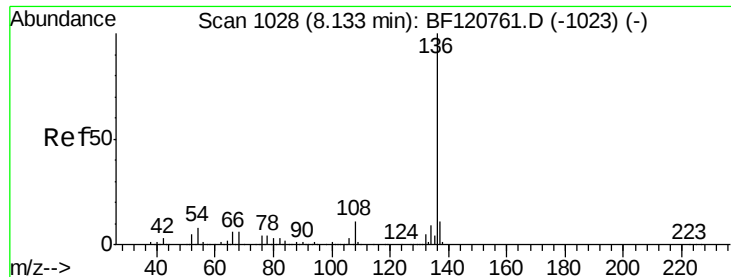
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-58

Tot Ion:136 Resp: 645466

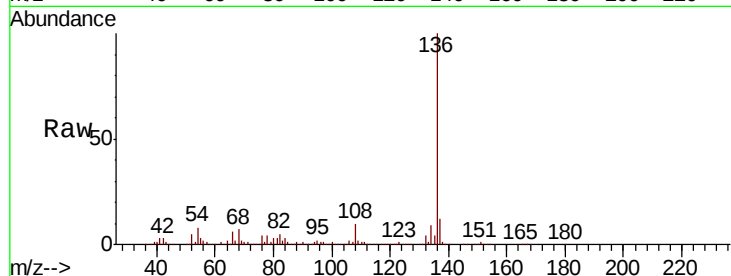
Ion Ratio Lower Upper

136 100

137 11.5 9.0 13.6

54 8.5 6.2 9.4

68 6.8 4.7 7.1

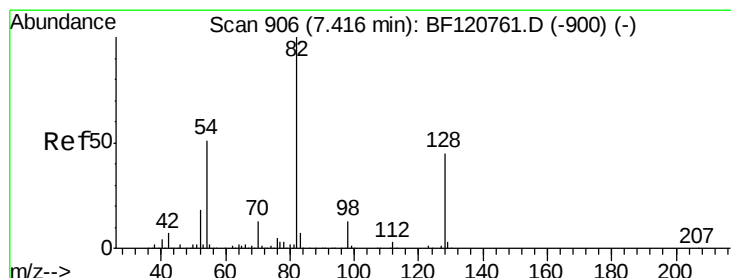
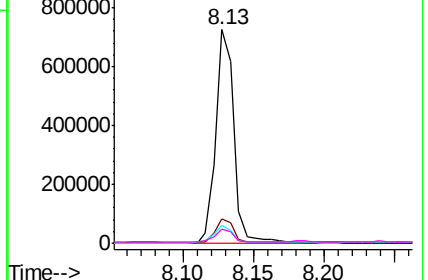
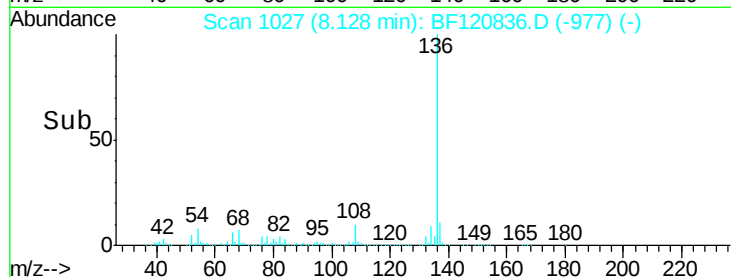


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 91.911 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.01 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

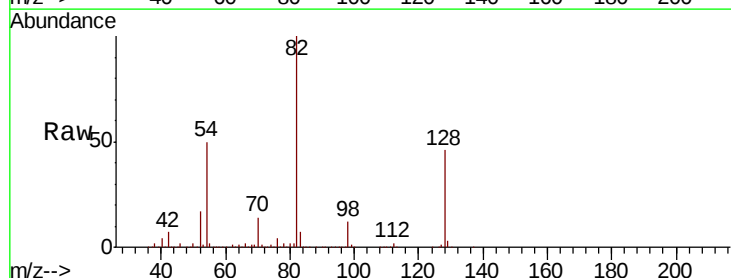
Tgt Ion: 82 Resp: 1023956

Ion Ratio Lower Upper

82 100

128 46.1 35.7 53.5

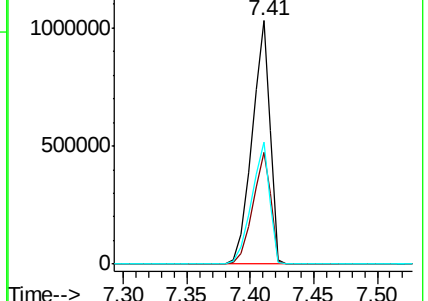
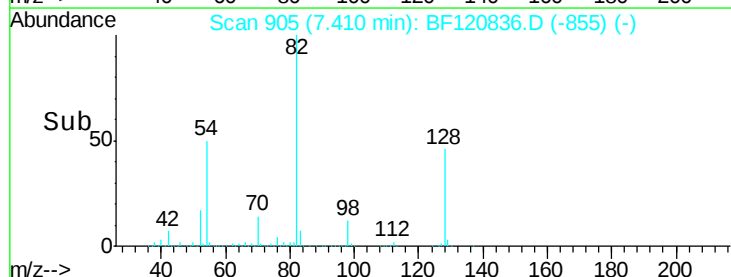
54 50.1 40.9 61.3

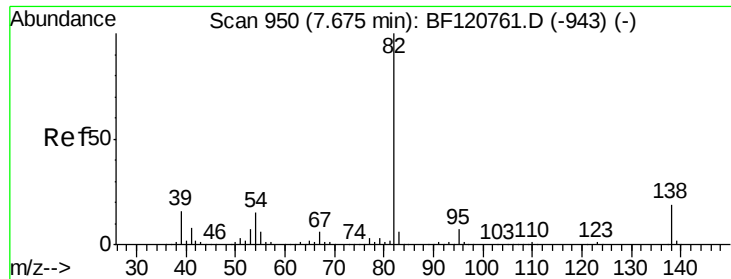


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 42.369 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-58

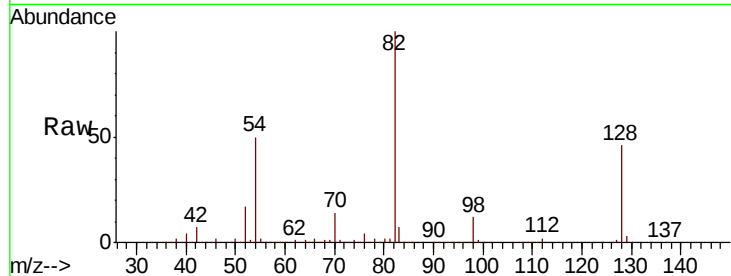
Tot Ion: 82 Resp: 1017942

Ion Ratio Lower Upper

82 100

95 0.2 5.4 8.2#

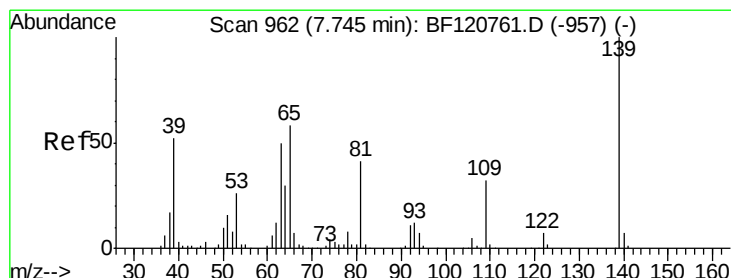
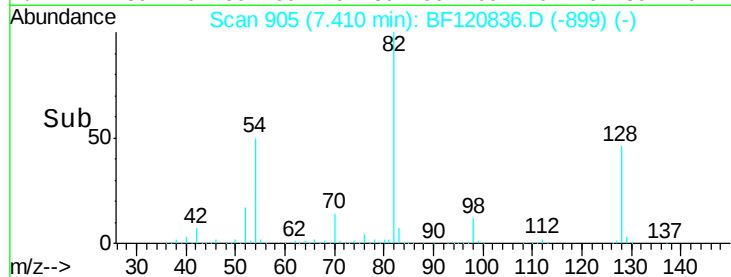
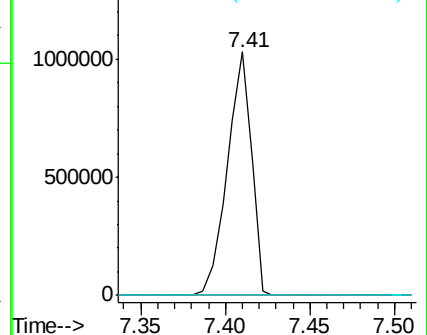
138 0.0 15.0 22.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 4.070 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.01 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

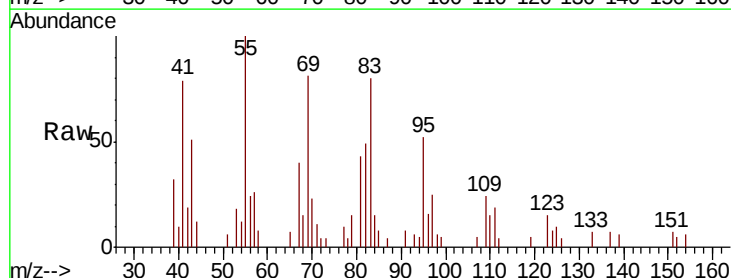
Tgt Ion: 139 Resp: 579

Ion Ratio Lower Upper

139 100

109 405.0 25.3 37.9#

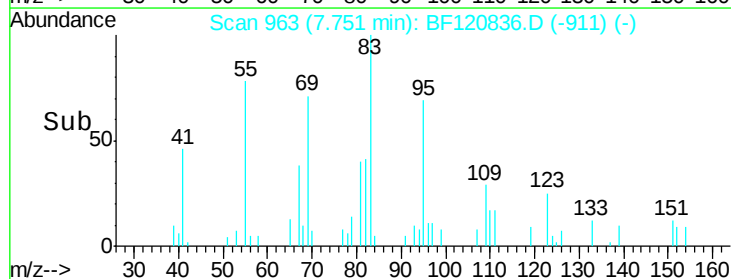
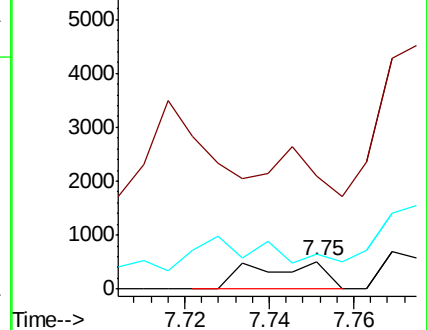
65 123.7 46.2 69.2#

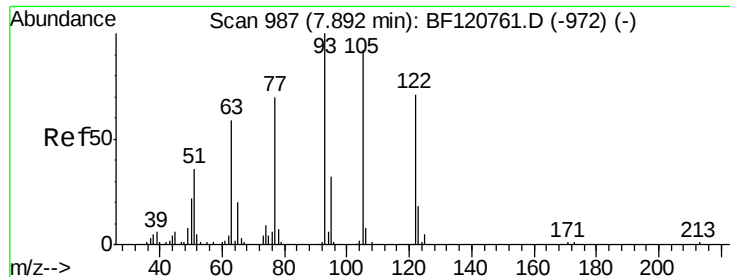


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

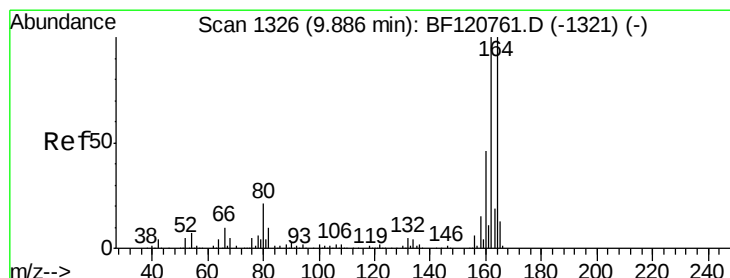
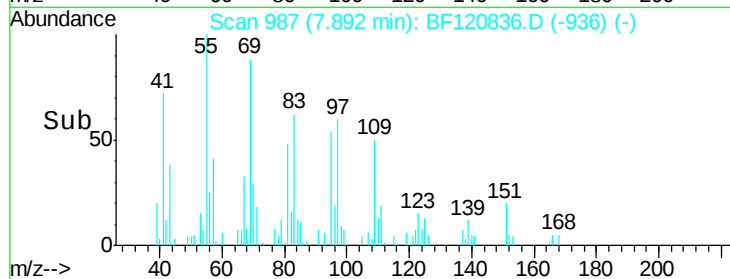
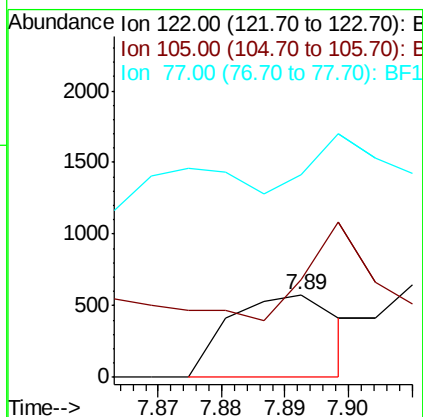
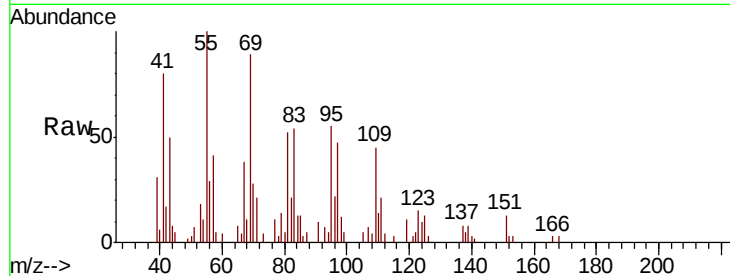




#32
Benzoic acid
Concen: 4.316 ng
RT: 7.89 min Scan# 987
Delta R.T. 0.00 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

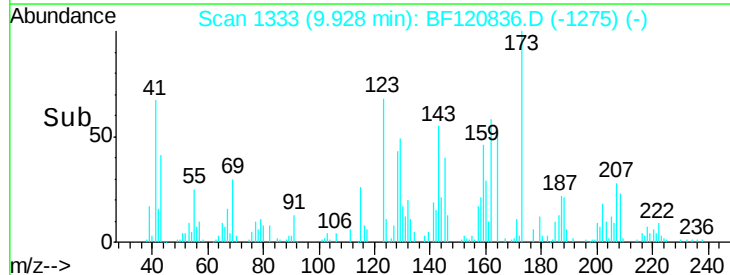
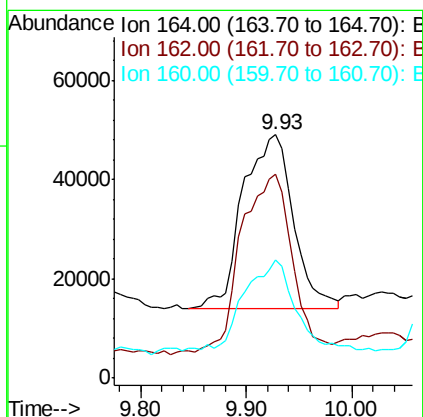
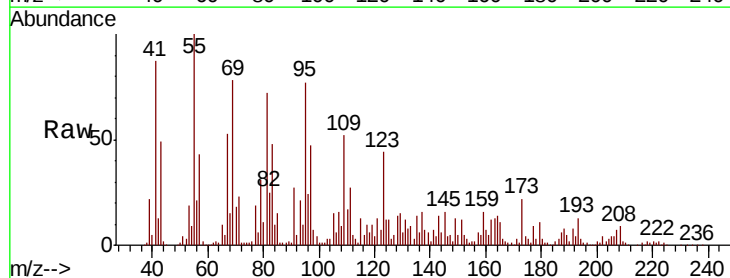
Instrument :
BNA_F
ClientSampled :
CHRT-58

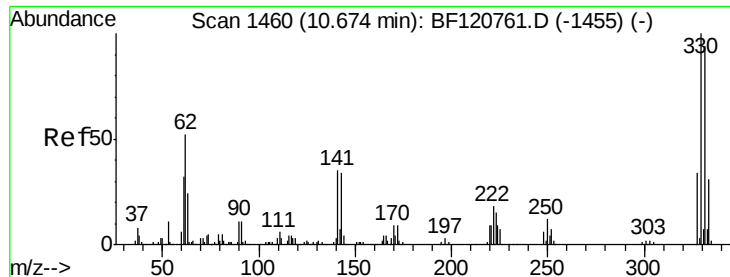
Tot Ion:122 Resp: 680
Ion Ratio Lower Upper
122 100
105 119.0 105.8 145.8
77 245.9 77.3 117.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.04 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

Tgt Ion:164 Resp: 116299
Ion Ratio Lower Upper
164 100
162 83.6 80.2 120.2
160 48.6 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 174.614 ng

RT: 10.74 min Scan# 1471

Delta R.T. 0.06 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-58

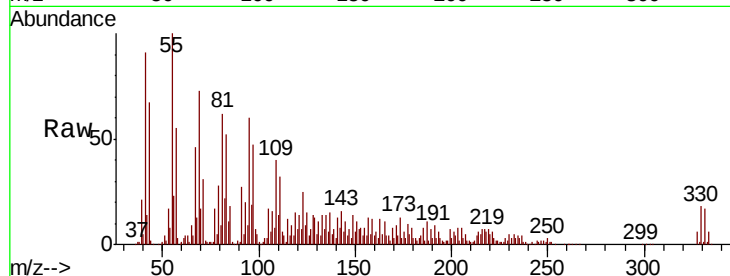
Tot Ion:330 Resp: 204018

Ion Ratio Lower Upper

330 100

332 97.4 75.8 113.6

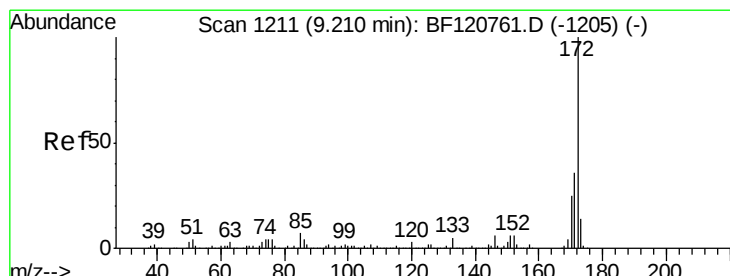
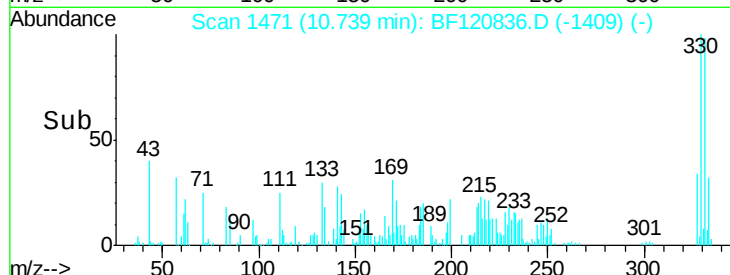
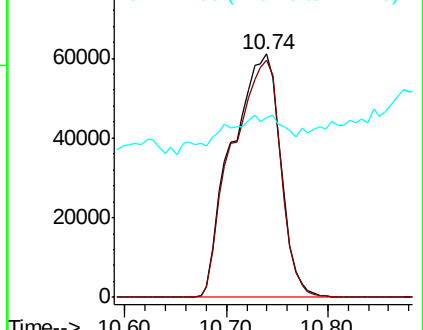
141 0.0 29.7 44.5#



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: 214.202 ng

RT: 9.23 min Scan# 1214

Delta R.T. 0.02 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

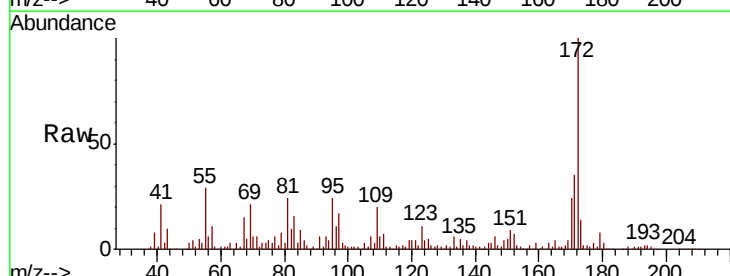
Tgt Ion:172 Resp: 1646554

Ion Ratio Lower Upper

172 100

171 35.3 29.1 43.7

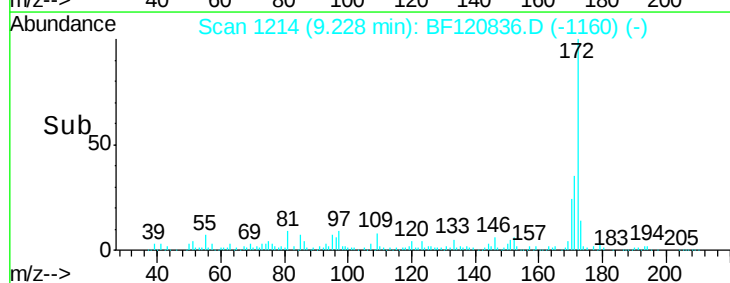
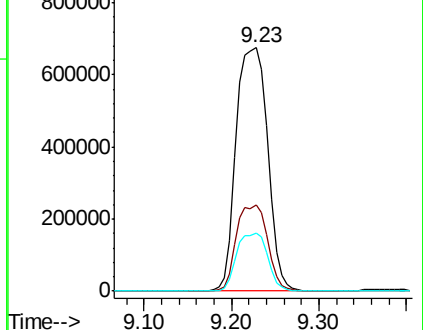
170 24.0 19.8 29.6

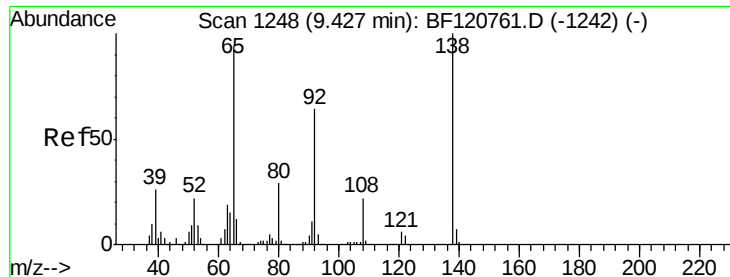


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

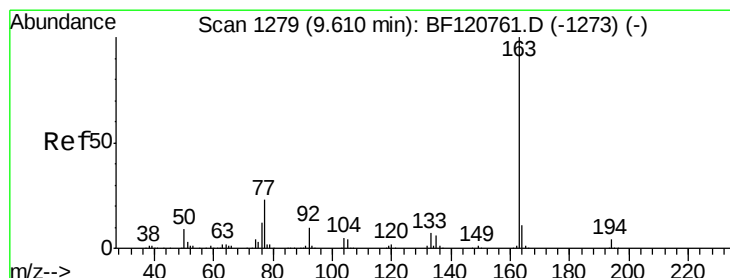
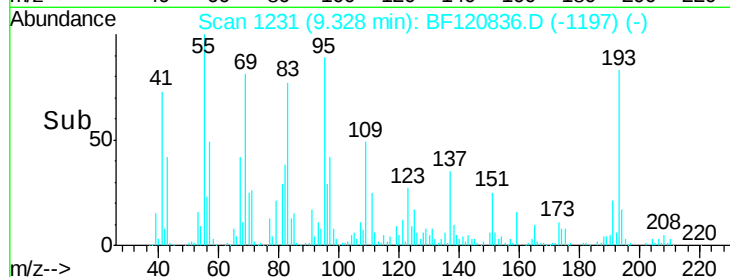
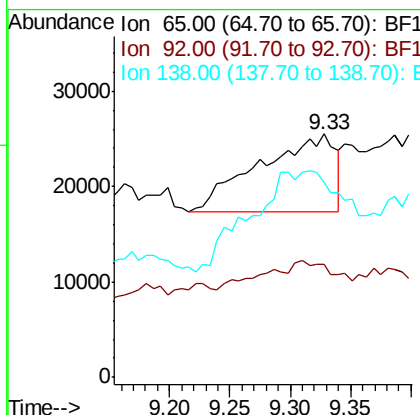
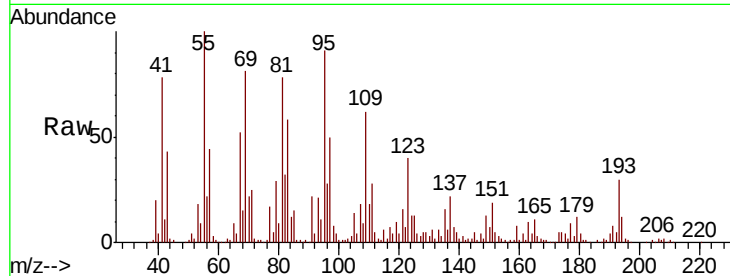




#48
2-Nitroaniline
Concen: 17.457 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.10 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

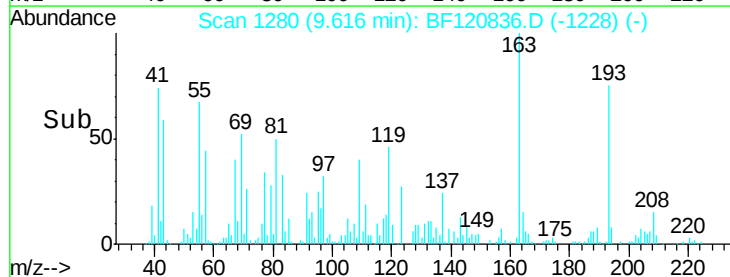
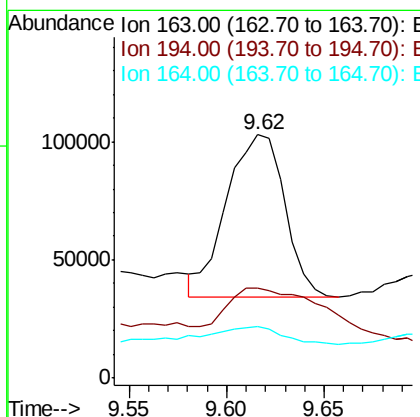
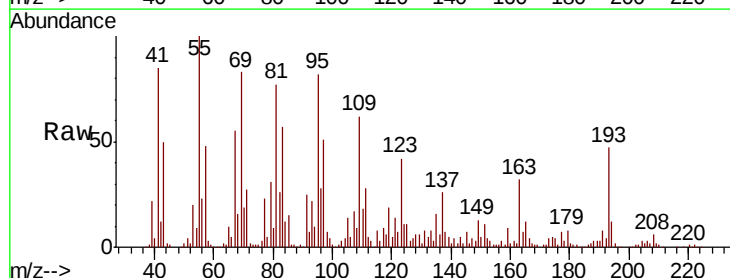
Instrument :
BNA_F
ClientSampled :
CHRT-58

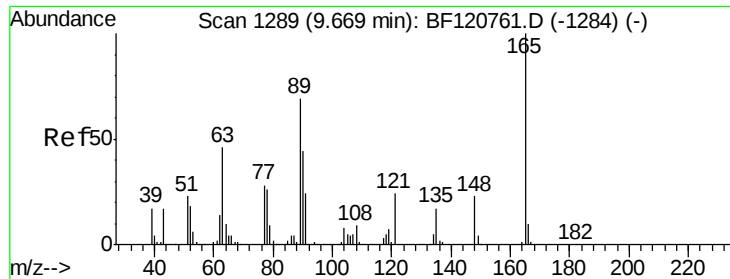
Tot Ion: 65 Resp: 35316
Ion Ratio Lower Upper
65 100
92 46.6 54.4 81.6#
138 80.3 84.7 127.1#



#50
Dimethylphthalate
Concen: 16.628 ng
RT: 9.62 min Scan# 1280
Delta R.T. 0.01 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

Tgt Ion: 163 Resp: 141065
Ion Ratio Lower Upper
163 100
194 36.9 2.9 4.3#
164 21.3 8.5 12.7#





#51

2,6-Dinitrotoluene

Concen: 36.249 ng

RT: 9.70 min Scan# 1295

Delta R.T. 0.04 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-58

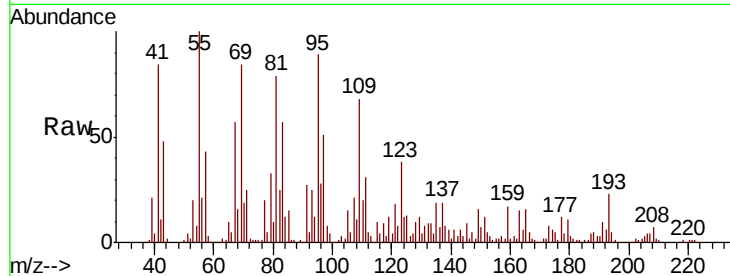
Tot Ion:165 Resp: 60132

Ion Ratio Lower Upper

165 100

63 12.3 54.0 81.0#

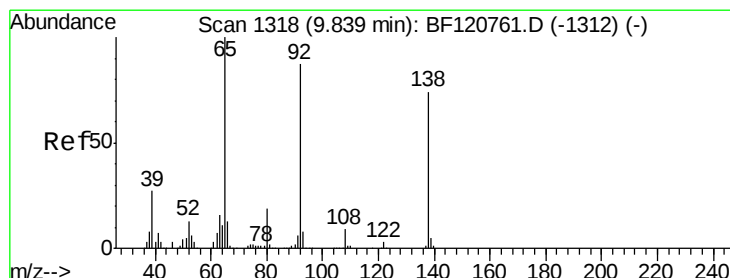
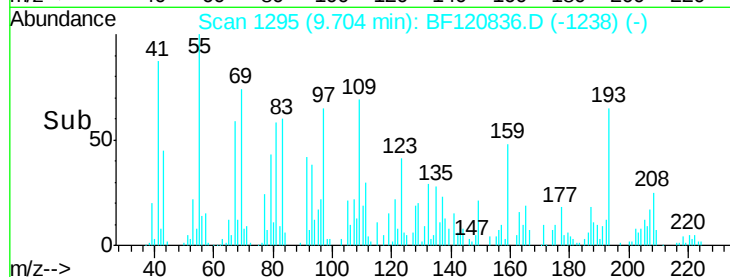
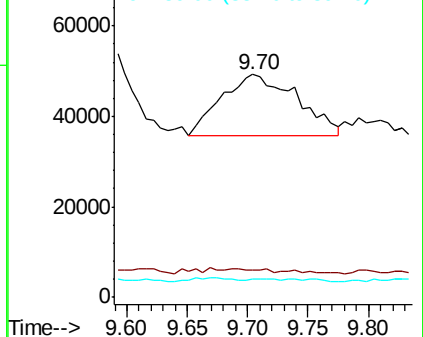
89 8.2 55.4 83.2#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#53

3-Nitroaniline

Concen: 18.548 ng

RT: 9.89 min Scan# 1327

Delta R.T. 0.05 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

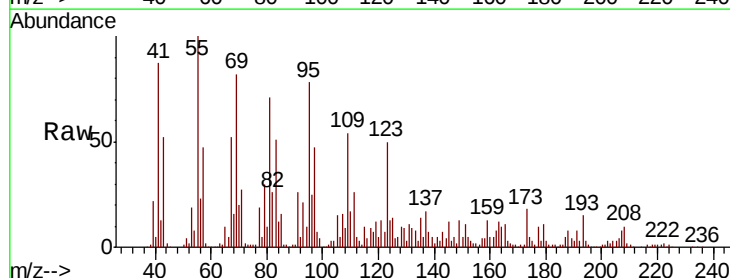
Tgt Ion:138 Resp: 35481

Ion Ratio Lower Upper

138 100

108 118.2 9.8 14.6#

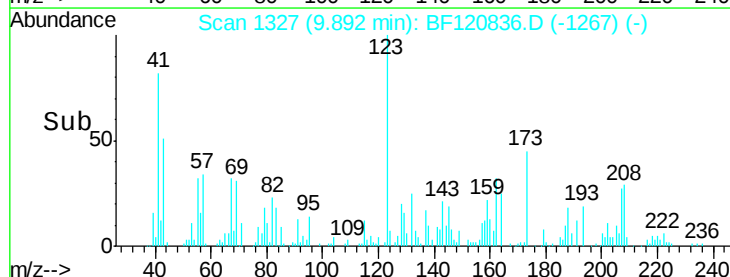
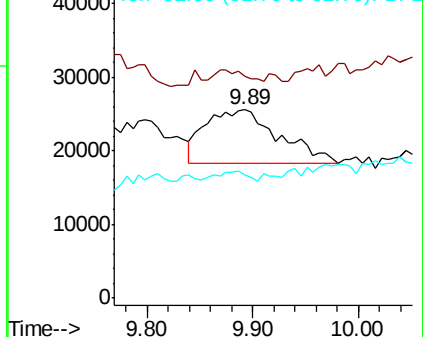
92 65.5 93.4 140.2#

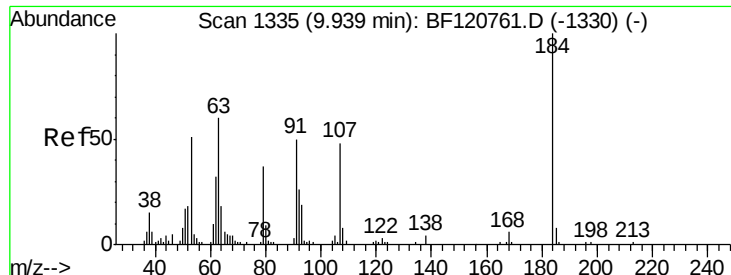


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

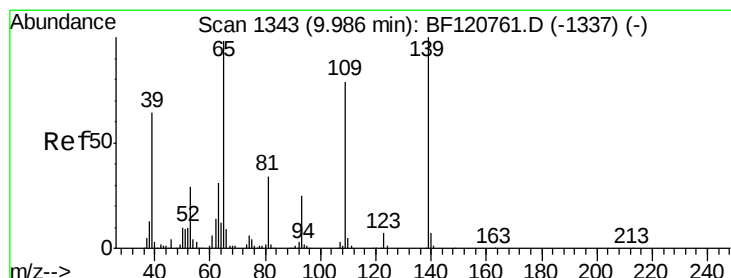
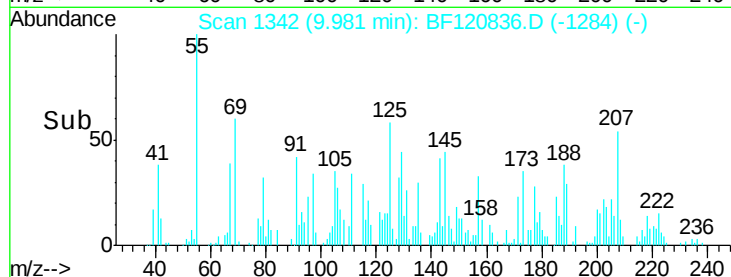
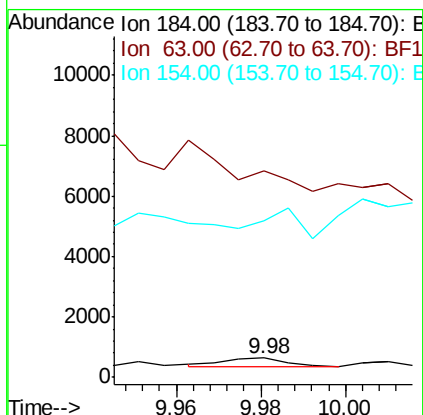
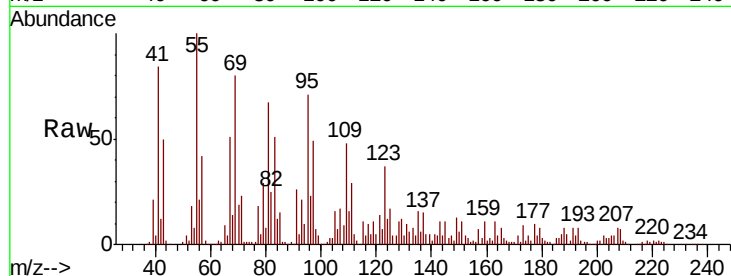




#54
2,4-Dinitrophenol
Concen: 9.930 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.04 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

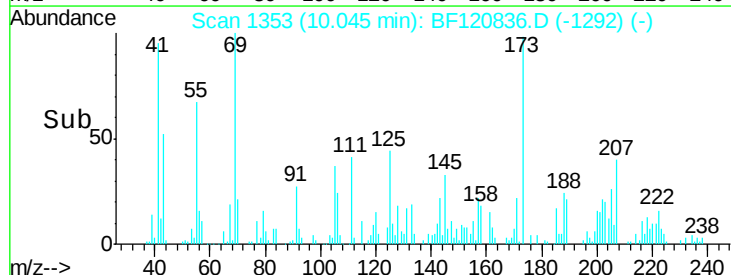
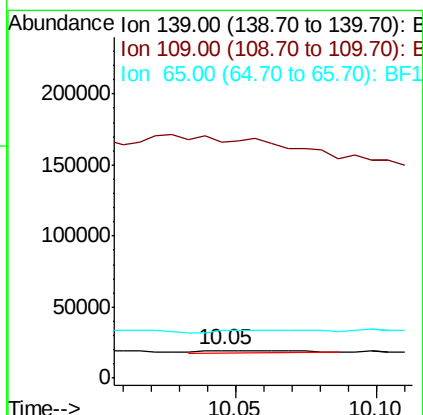
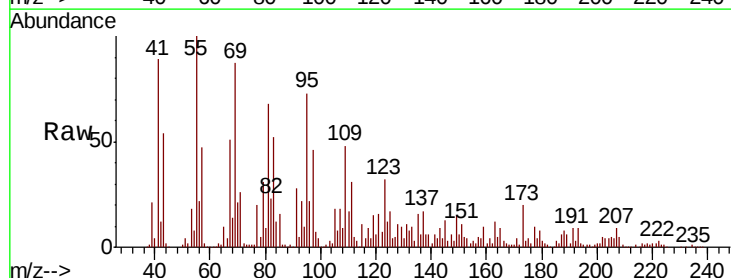
Instrument :
BNA_F
ClientSampleId :
CHRT-58

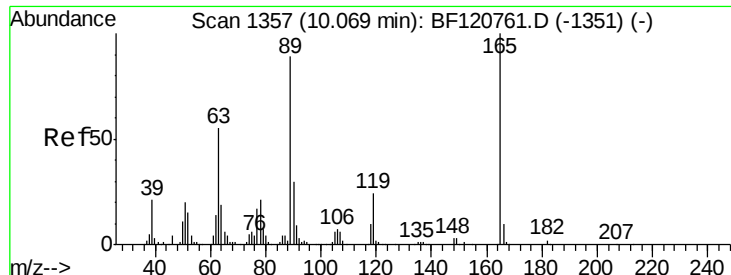
Tot Ion:184 Resp: 300
Ion Ratio Lower Upper
184 100
63 1073.1 57.3 85.9#
154 812.9 55.8 83.6#



#56
4-Nitrophenol
Concen: 4.128 ng
RT: 10.05 min Scan# 1353
Delta R.T. 0.06 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

Tgt Ion:139 Resp: 3254
Ion Ratio Lower Upper
139 100
109 854.7 58.6 98.6#
65 173.4 78.7 118.7#

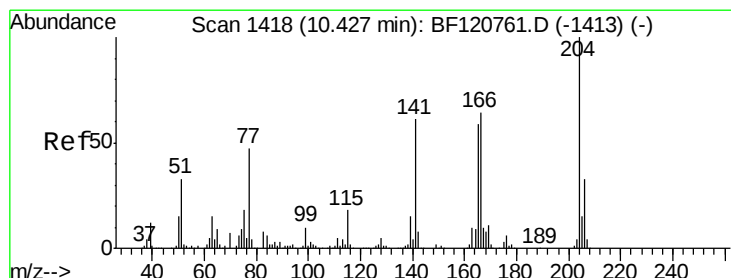
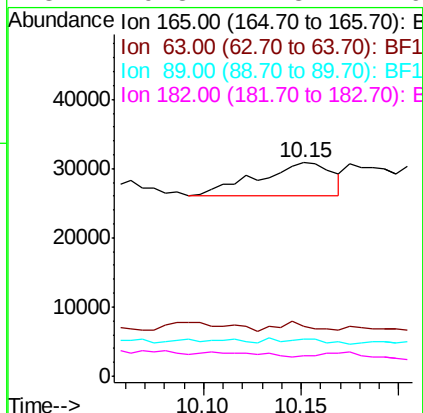
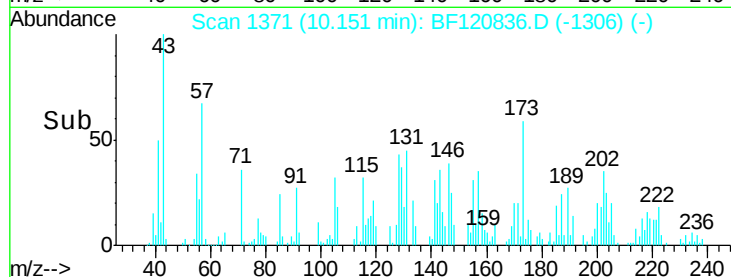
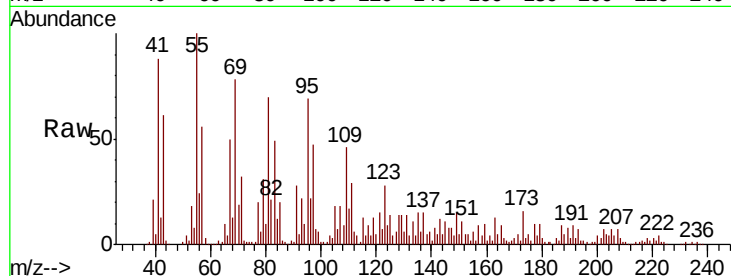




#57
2,4-Dinitrotoluene
Concen: 8.606 ng
RT: 10.15 min Scan# 1371
Delta R.T. 0.08 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

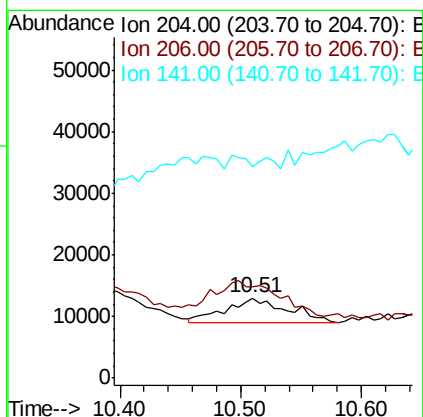
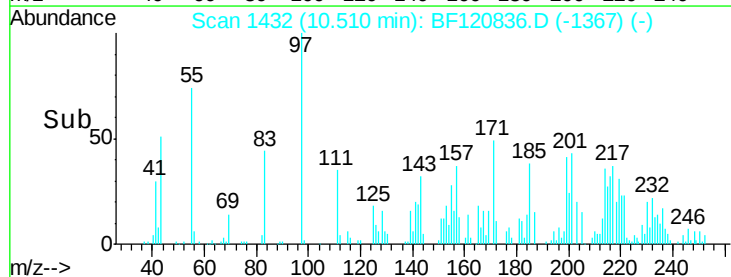
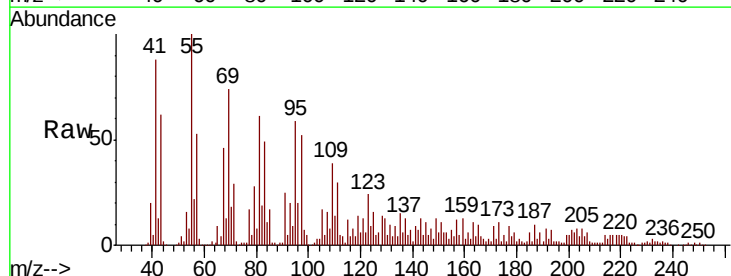
Instrument :
BNA_F
ClientSampled :
CHRT-58

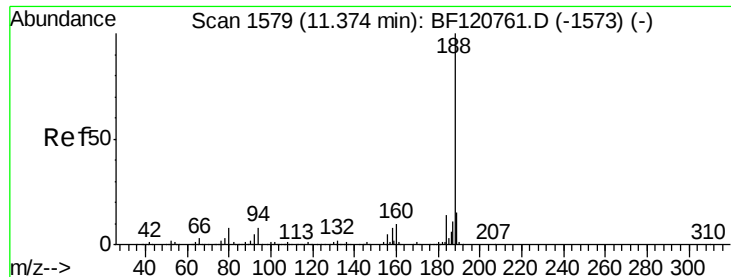
Tot Ion:165 Resp: 12412
Ion Ratio Lower Upper
165 100
63 23.4 43.8 65.8#
89 17.5 71.4 107.2#
182 9.8 1.8 2.6#



#61
4-Chlorophenyl-phenylether
Concen: 3.645 ng
RT: 10.51 min Scan# 1432
Delta R.T. 0.08 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

Tgt Ion:204 Resp: 14369
Ion Ratio Lower Upper
204 100
206 114.3 26.7 40.1#
141 264.8 48.5 72.7#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.46 min Scan# 1594

Delta R.T. 0.09 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

Instrument :

BNA_F

ClientSampleId :

CHRT-58

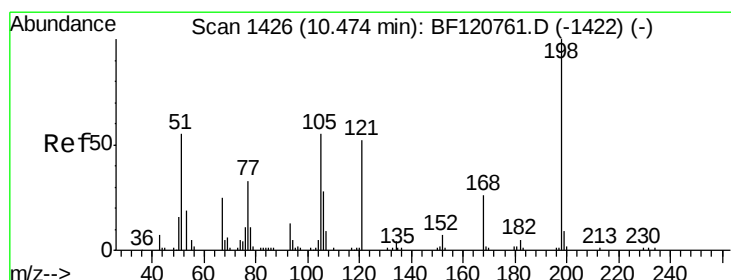
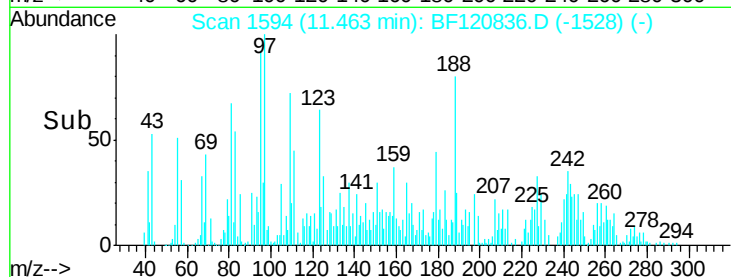
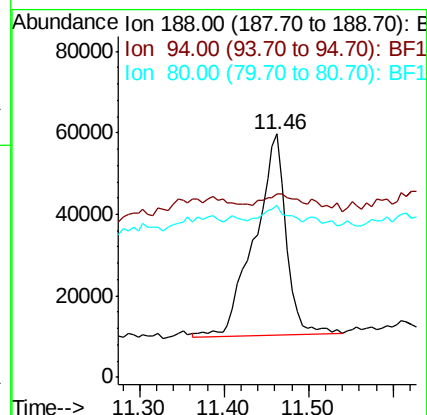
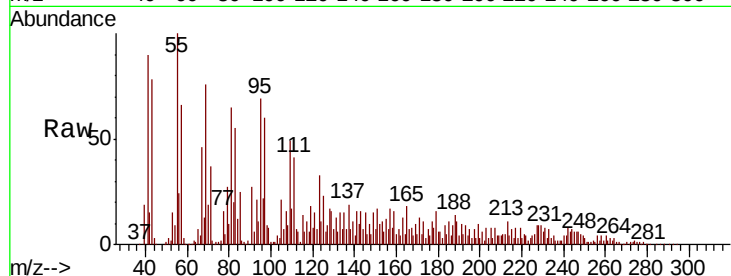
Tot Ion:188 Resp: 127897

Ion Ratio Lower Upper

188 100

94 75.5 6.6 9.8#

80 70.6 6.6 10.0#



#65

4,6-Dinitro-2-methylphenol

Concen: 28.903 ng

RT: 10.49 min Scan# 1429

Delta R.T. 0.02 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

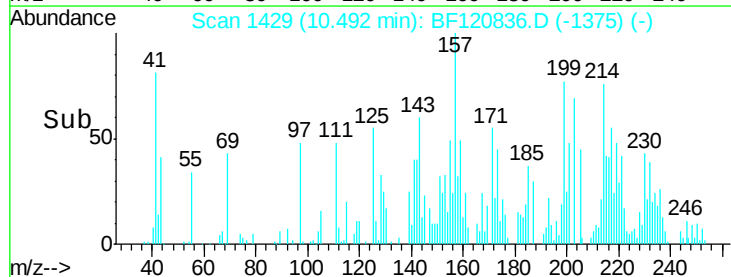
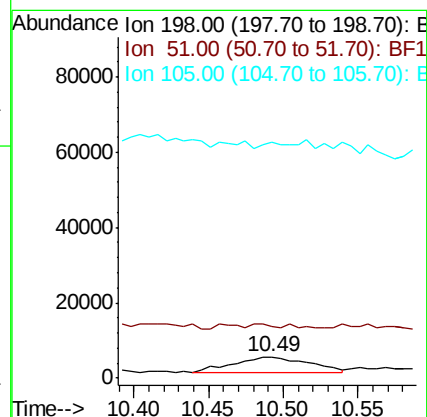
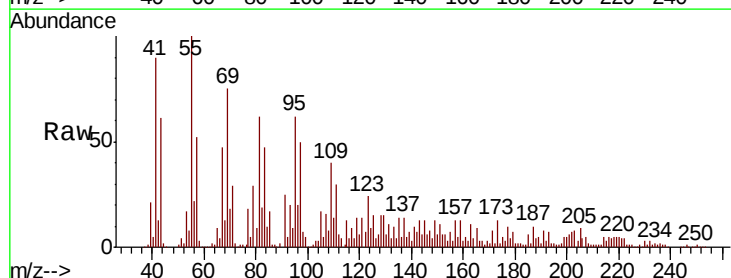
Tgt Ion:198 Resp: 13789

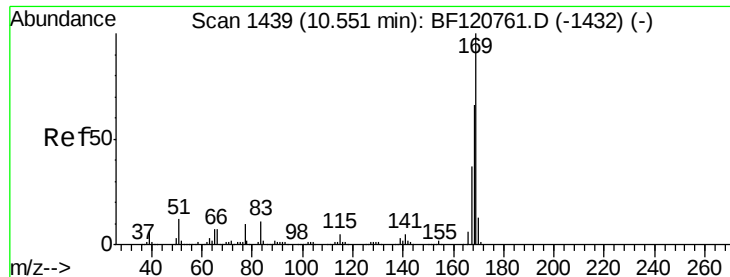
Ion Ratio Lower Upper

198 100

51 245.1 50.0 90.0#

105 1124.0 38.3 78.3#

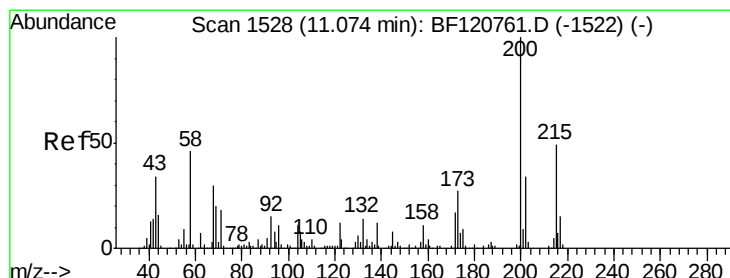
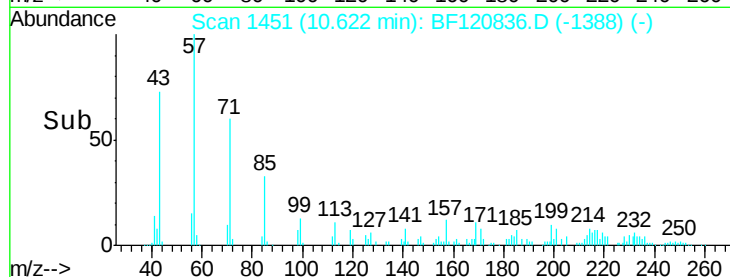
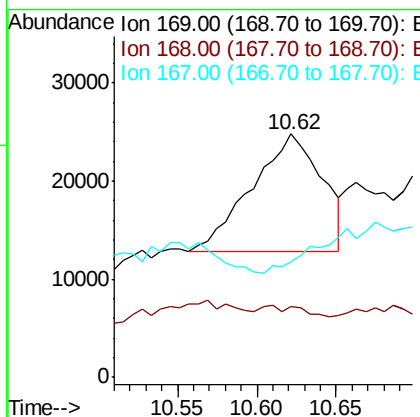
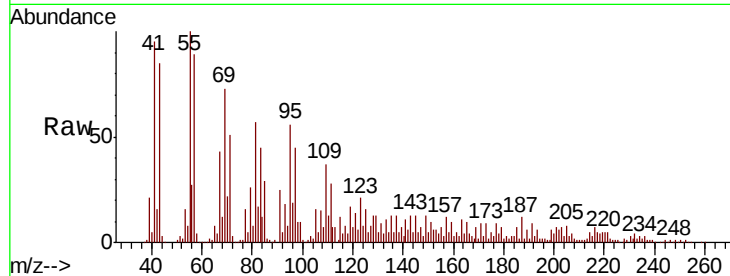




#66
n-Nitrosodiphenylamine
Concen: 8.619 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.07 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

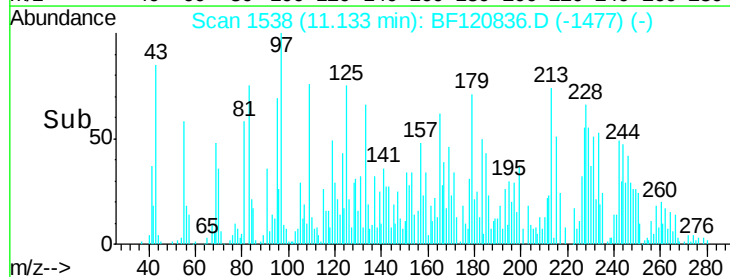
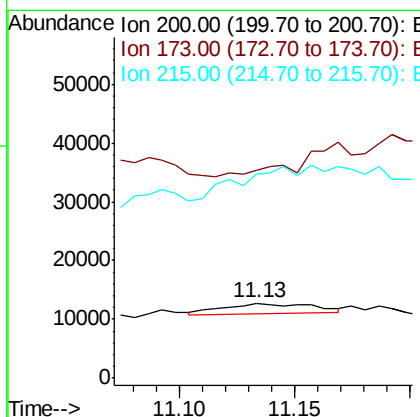
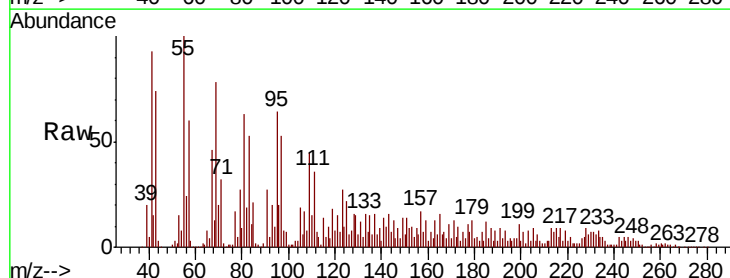
Instrument :
BNA_F
ClientSampleId :
CHRT-58

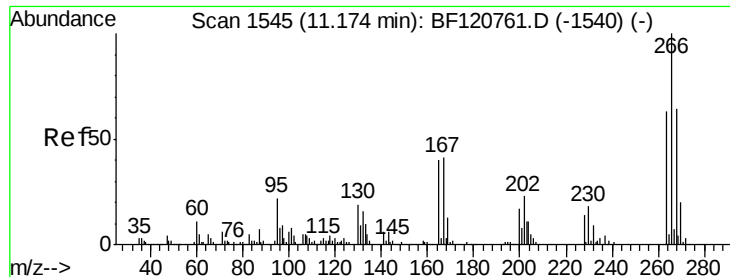
Tot Ion:169 Resp: 36949
Ion Ratio Lower Upper
169 100
168 28.9 53.1 79.7#
167 47.6 29.6 44.4#



#69
Atrazine
Concen: 4.620 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.06 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

Tgt Ion:200 Resp: 5102
Ion Ratio Lower Upper
200 100
173 276.9 7.4 47.4#
215 272.6 28.8 68.8#

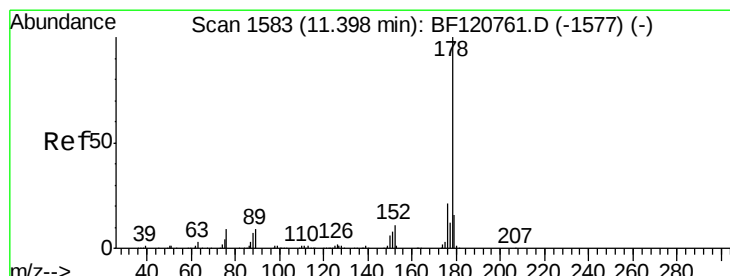
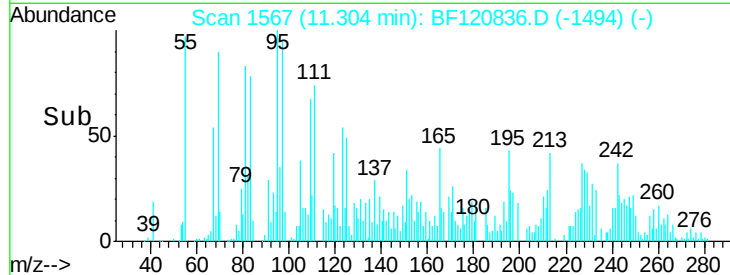
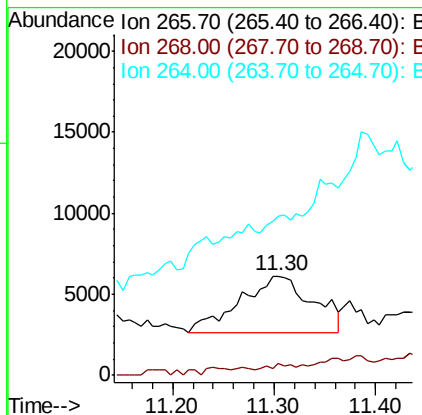
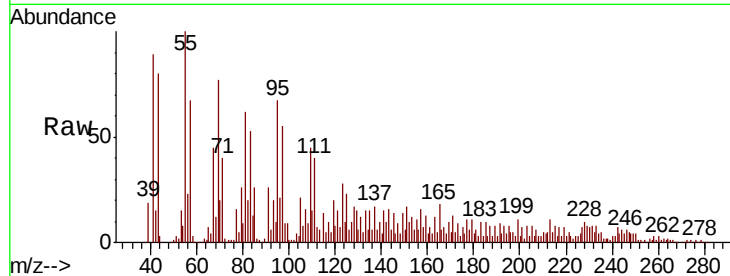




#70
 Pentachlorophenol
 Concen: 19.491 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.13 min
 Lab File: BF120836.D
 Acq: 10 Jul 2020 17:37

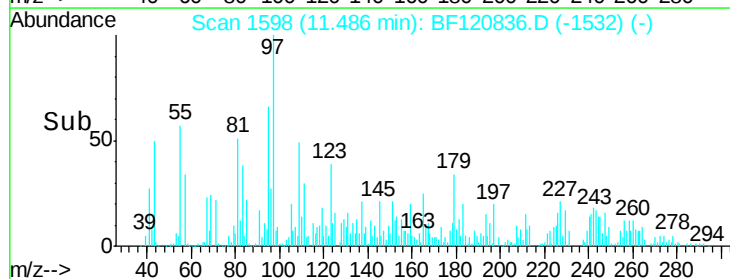
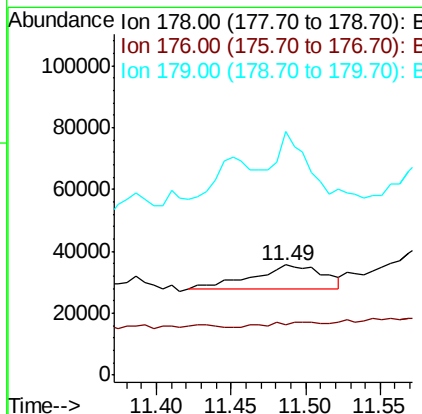
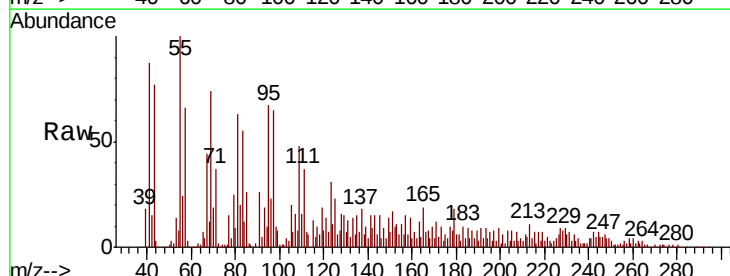
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-58

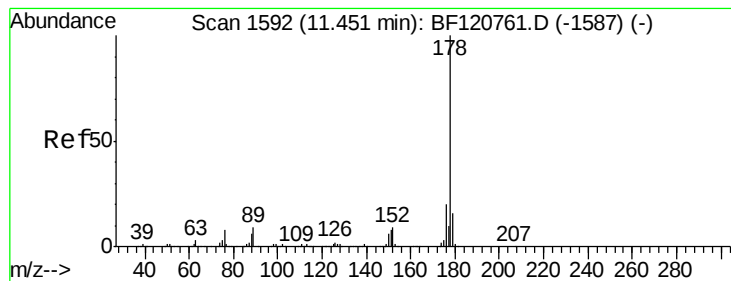
Tot Ion	Ratio	Lower	Upper
266	100		
268	11.9	51.4	77.2#
264	160.3	50.6	75.8#



#71
 Phenanthrene
 Concen: 3.789 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. 0.09 min
 Lab File: BF120836.D
 Acq: 10 Jul 2020 17:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	45.5	16.4	24.6#
179	221.2	12.9	19.3#





#72

Anthracene

Concen: 4.108 ng

RT: 11.59 min Scan# 1615

Delta R.T. 0.14 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

Instrument :

BNA_F

ClientSampled :

CHRT-58

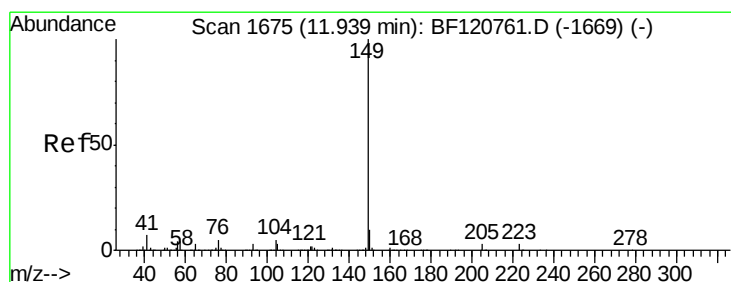
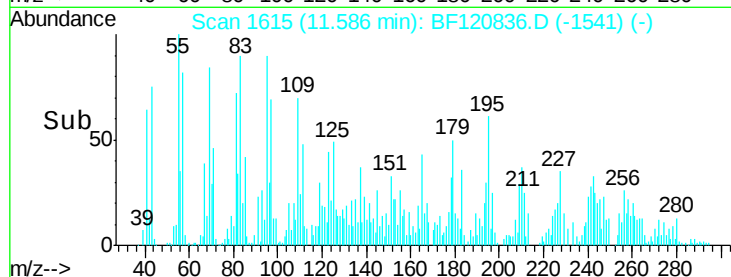
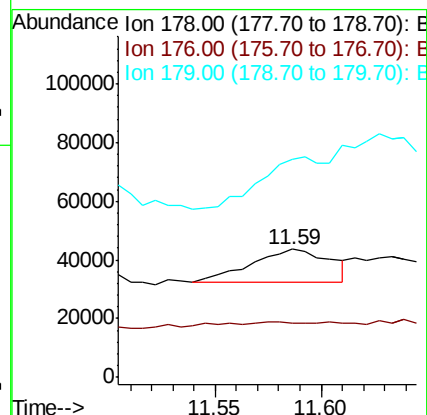
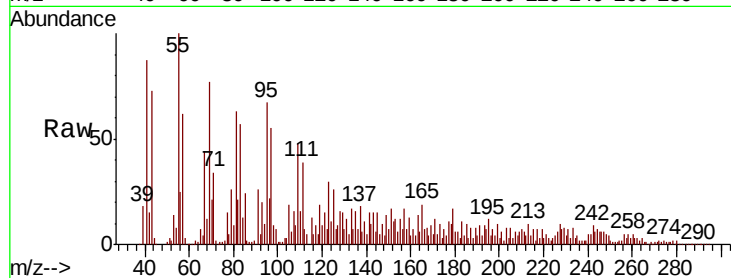
Tot Ion:178 Resp: 28809

Ion Ratio Lower Upper

178 100

176 42.6 16.2 24.2#

179 170.2 12.7 19.1#



#74

Di-n-butylphthalate

Concen: 7.981 ng

RT: 12.03 min Scan# 1690

Delta R.T. 0.09 min

Lab File: BF120836.D

Acq: 10 Jul 2020 17:37

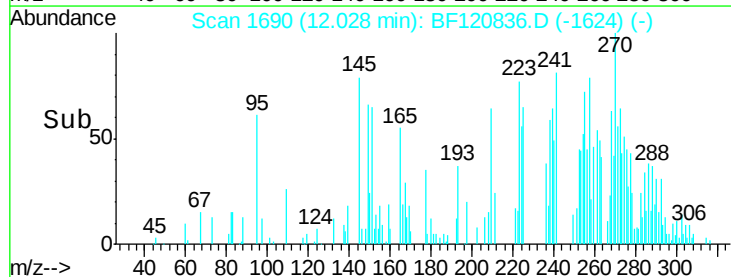
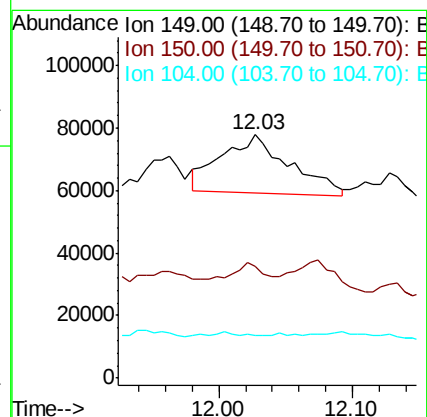
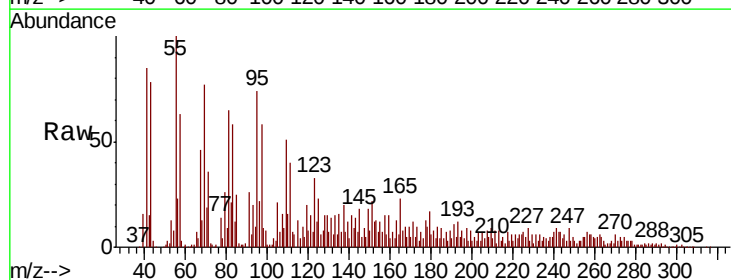
Tgt Ion:149 Resp: 66582

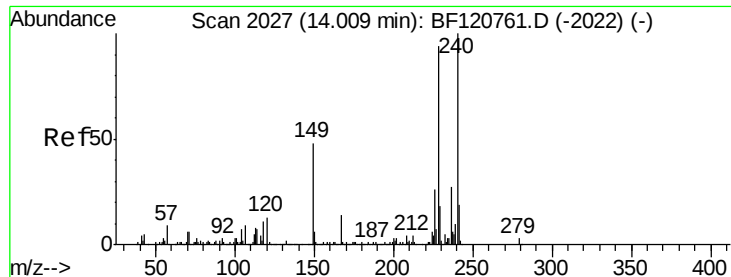
Ion Ratio Lower Upper

149 100

150 45.7 7.7 11.5#

104 17.4 4.0 6.0#

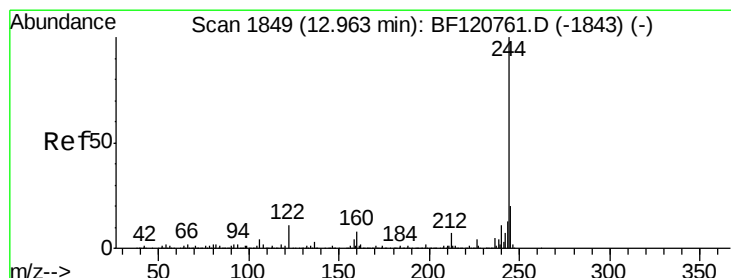
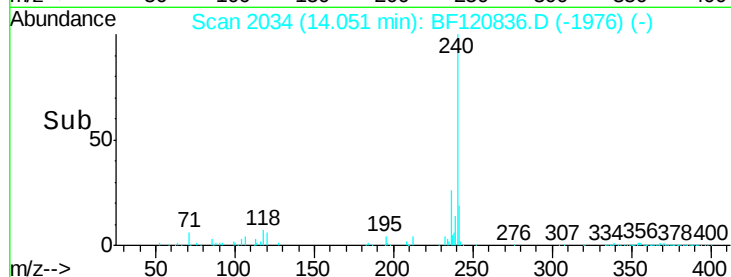
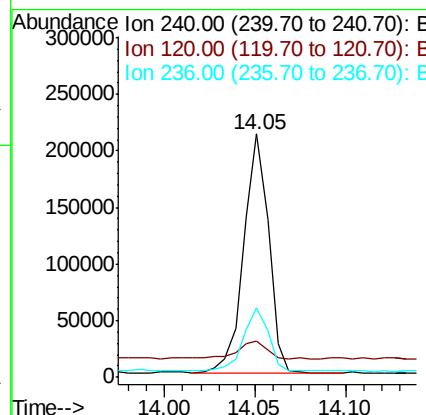
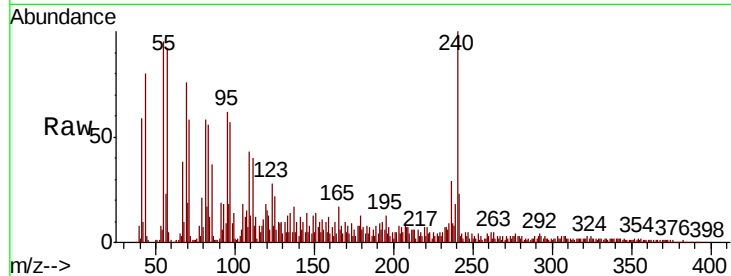




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.04 min
 Lab File: BF120836.D
 Acq: 10 Jul 2020 17:37

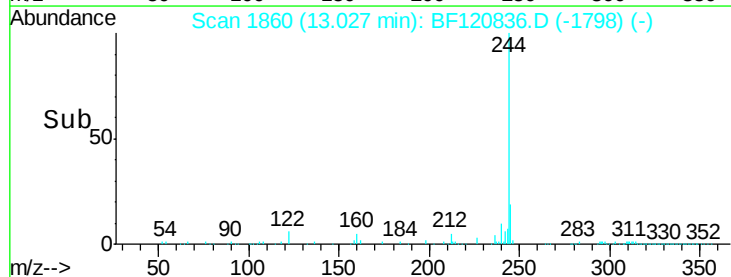
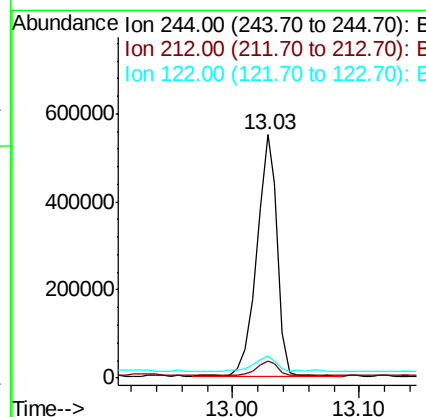
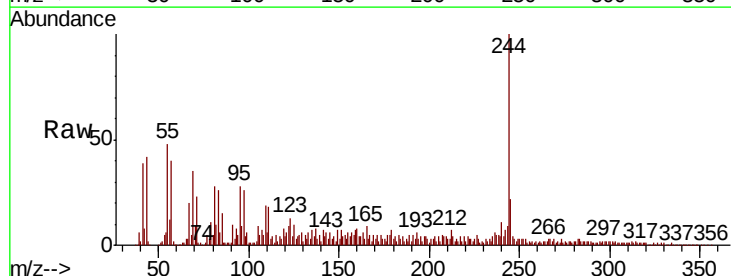
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-58

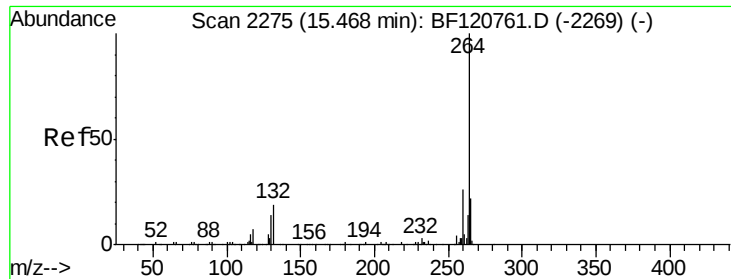
Tot Ion	Ratio	Lower	Upper
240	100		
120	14.9	10.3	15.5
236	28.6	21.4	32.2



#79
 Terphenyl-d14
 Concen: 59.057 ng
 RT: 13.03 min Scan# 1860
 Delta R.T. 0.06 min
 Lab File: BF120836.D
 Acq: 10 Jul 2020 17:37

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.6	8.4
122	9.2	9.0	13.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF120836.D
Acq: 10 Jul 2020 17:37

Instrument :
BNA_F
ClientSampleId :
CHRT-58

Tot Ion	Ion	Ratio	Lower	Upper
392091	264	100		
	260	25.1	20.6	30.8
	265	22.4	17.6	26.4

