

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060520\
 Data File : BF120557.D
 Acq On : 5 Jun 2020 14:05
 Operator : JU/CG
 Sample : L2890-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26160

Quant Time: Jun 05 15:34:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 04 16:38:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	189669	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	657924	20.00	ng	-0.02
39) Acenaphthene-d10	9.86	164	250470	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	209941	20.00	ng	0.02
76) Chrysene-d12	13.98	240	422146	20.00	ng	-0.02
86) Perylene-d12	15.43	264	412344	20.00	ng	-0.02

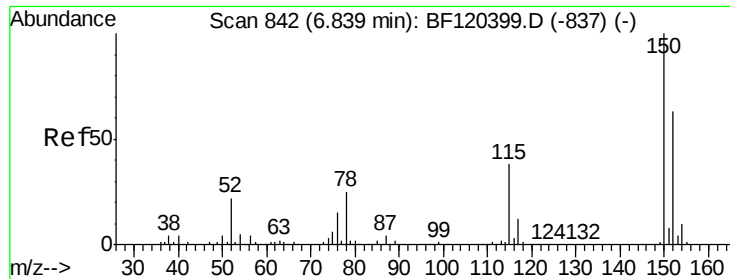
System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	834593	83.86	ng	-0.01
7) Phenol-d6	6.46	99	1134977	92.52	ng	-0.01
23) Nitrobenzene-d5	7.38	82	769249	76.48	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	189308	81.57	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1141465	77.32	ng	-0.02
79) Terphenyl-d14	12.94	244	886464	46.73	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	100835	12.931	ng	# 79
25) Isophorone	7.38	82	764176	37.802	ng	# 63
50) Dimethylphthalate	9.57	163	226715	14.479	ng	# 89
51) 2,6-Dinitrotoluene	9.66	165	14134	4.062	ng	# 35
53) 3-Nitroaniline	9.82	138	11822	2.893	ng	# 21
54) 2,4-Dinitrophenol	10.08	184	1136	8.345	ng	# 1
62) 4-Nitroaniline	10.33	138	30292	7.852	ng	# 84
69) Atrazine	11.07	200	21415	13.028	ng	# 1
71) Phenanthrene	11.40	178	64094	6.929	ng	# 1
74) Di-n-butylphthalate	11.93	149	45981	4.403	ng	# 36
75) Fluoranthene	12.59	202	204702	20.565	ng	# 92
78) Pvrene	12.81	202	201622	6.868	ng	# 95
81) Benzo(a)anthracene	13.97	228	114203	5.048	ng	# 93
83) Chrysene	14.01	228	170816	7.202	ng	# 97
84) Bis(2-ethylhexyl)phthalate	13.96	149	323947	22.516	ng	# 98
87) Indeno(1,2,3-cd)pyrene	16.85	276	99399	4.407	ng	# 98
88) Benzo(b)fluoranthene	15.01	252	277892	12.134	ng	# 99
89) Benzo(k)fluoranthene	15.01	252	277892	12.997	ng	# 99
90) Benzo(a)pvrene	15.36	252	121013	6.041	ng	# 99
92) Benzo(a,h,i)perylene	17.29	276	94932	5.235	ng	# 99

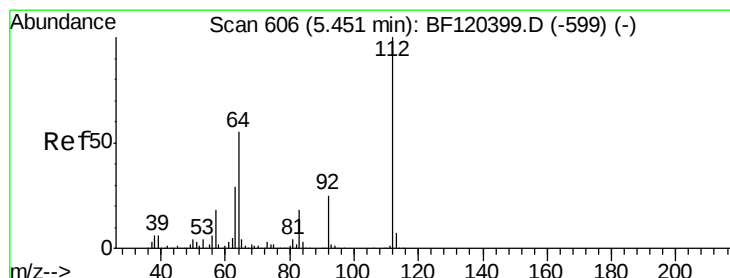
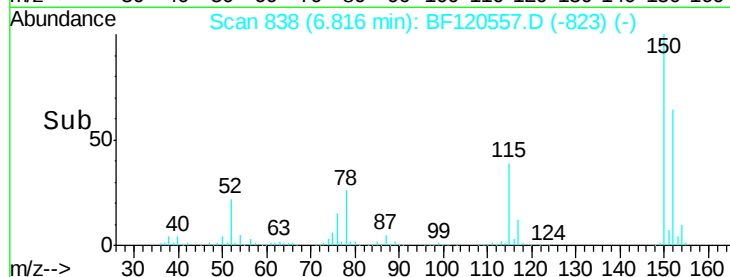
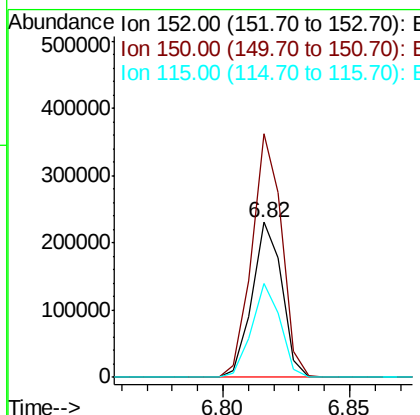
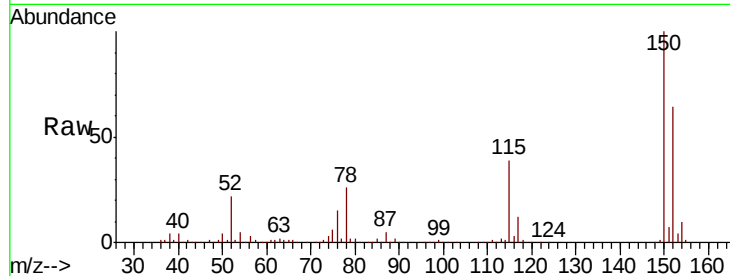
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 838
 Delta R.T. -0.01 min
 Lab File: BF120557.D
 Acq: 5 Jun 2020 14:05

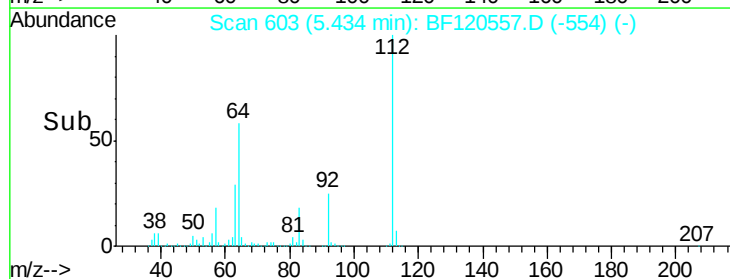
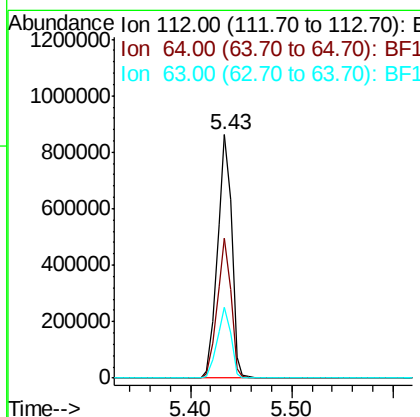
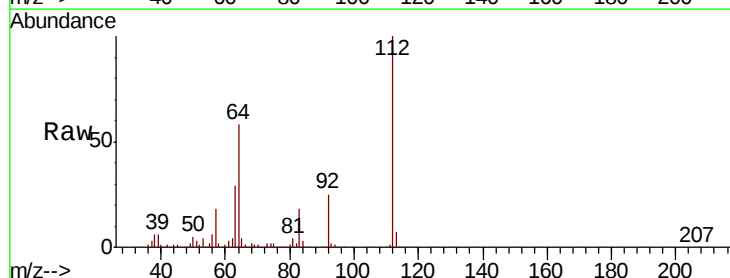
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26160

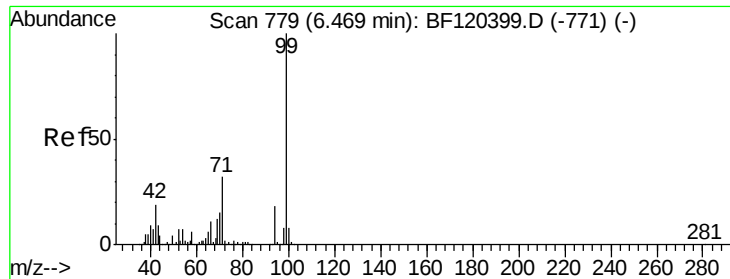
Tot Ion:152 Resp: 189669
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.3 189.5
 115 60.6 48.1 72.1



#5
 2-Fluorophenol
 Concen: 83.858 ng
 RT: 5.43 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF120557.D
 Acq: 5 Jun 2020 14:05

Tgt Ion:112 Resp: 834593
 Ion Ratio Lower Upper
 112 100
 64 57.6 47.2 70.8
 63 29.3 24.7 37.1





#7

Phenol-d6

Concen: 92.522 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26160

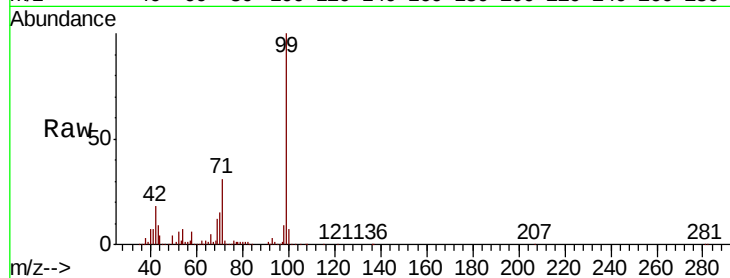
Tot Ion: 99 Resp: 1134977

Ion Ratio Lower Upper

99 100

42 17.6 15.0 22.6

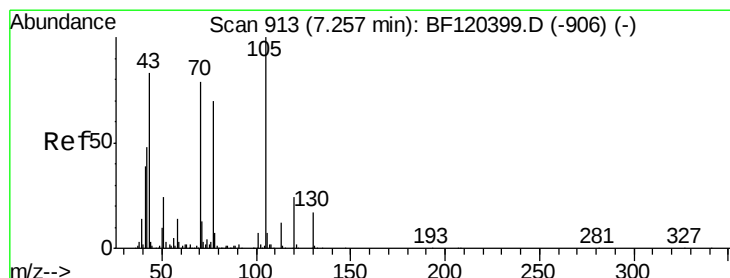
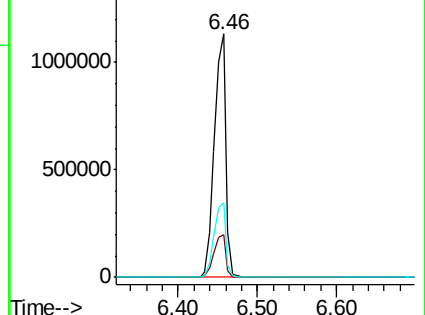
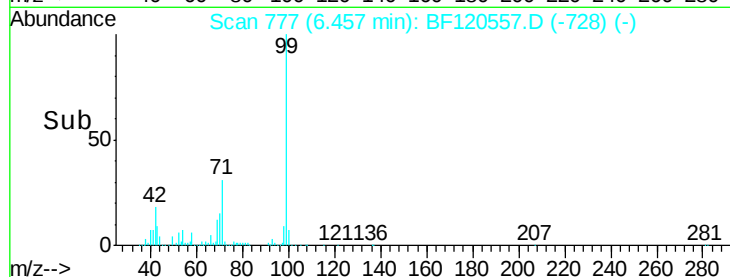
71 30.9 27.0 40.4



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: 12.931 ng

RT: 7.38 min Scan# 934

Delta R.T. 0.13 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

Tgt Ion: 70 Resp: 100835

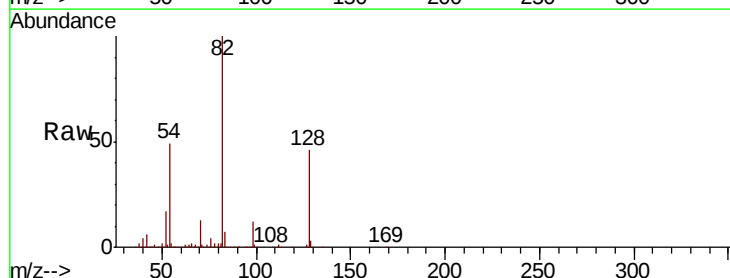
Ion Ratio Lower Upper

70 100

42 49.3 47.0 70.4

101 0.0 7.8 11.8#

130 2.3 17.9 26.9#

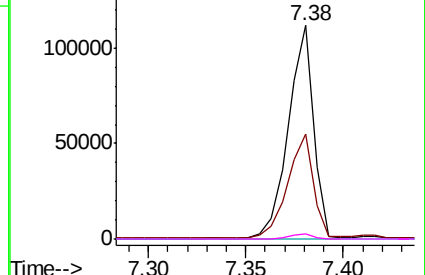
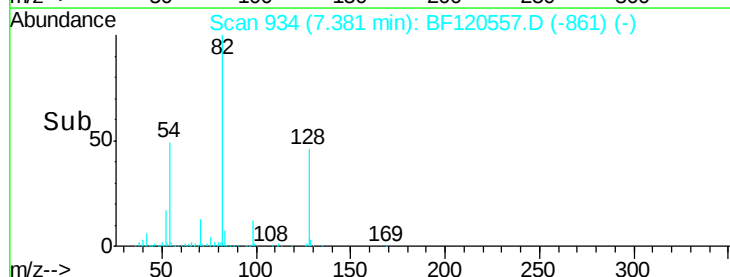


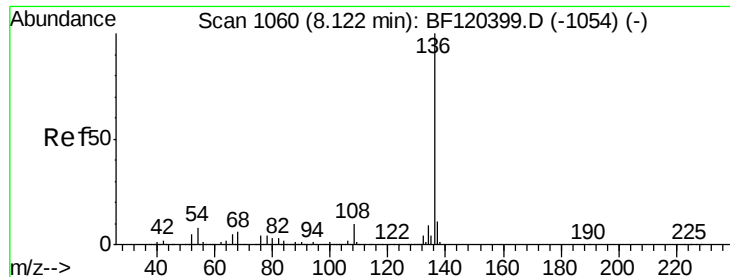
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.10 min Scan# 1056

Delta R.T. -0.02 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26160

Tot Ion:136 Resp: 657924

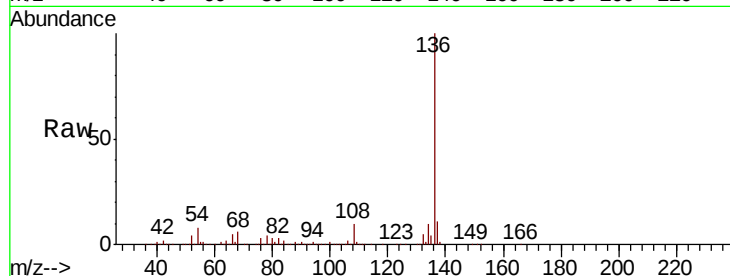
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 8.0 5.4 8.0

68 6.1 4.3 6.5

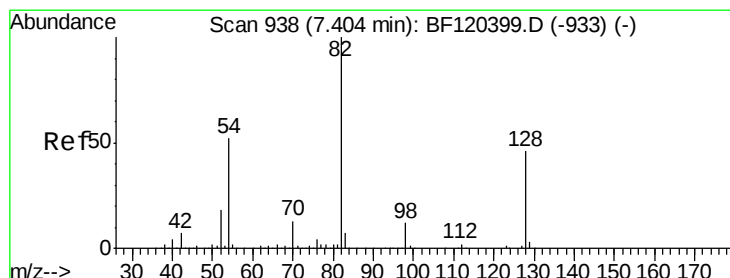
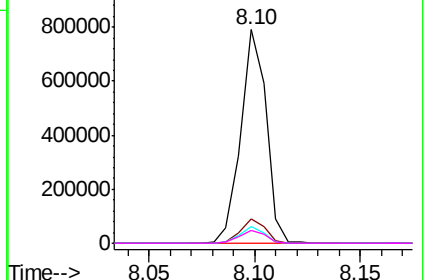
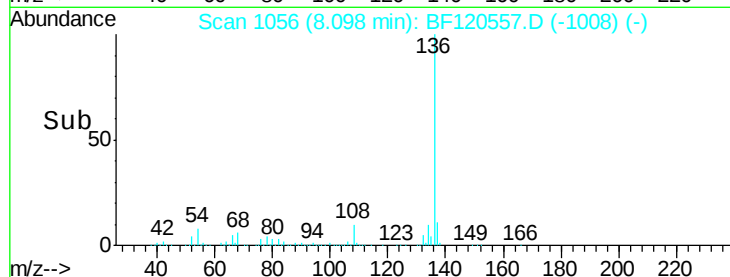


Abundance Ion 136.00 (135.70 to 136.70): E

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: 76.481 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

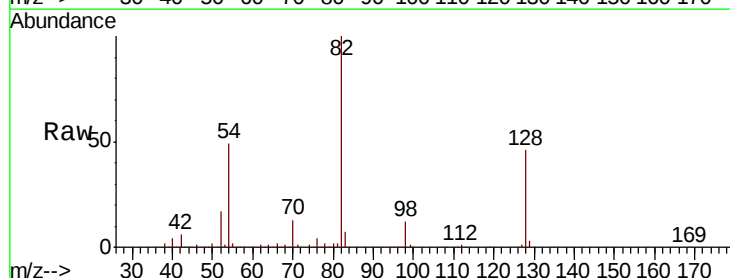
Tgt Ion: 82 Resp: 769249

Ion Ratio Lower Upper

82 100

128 46.3 36.7 55.1

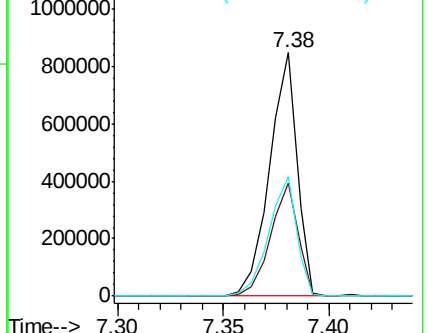
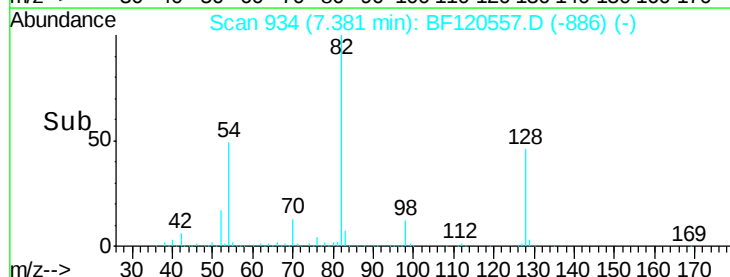
54 49.3 40.0 60.0

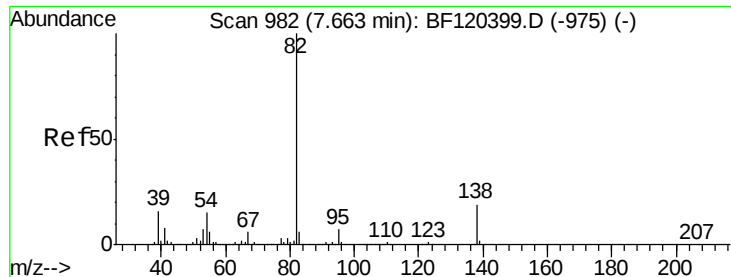


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 37.802 ng

RT: 7.38 min Scan# 934

Delta R.T. -0.28 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

Instrument :

BNA_F

ClientSampled :

CHRT-26160

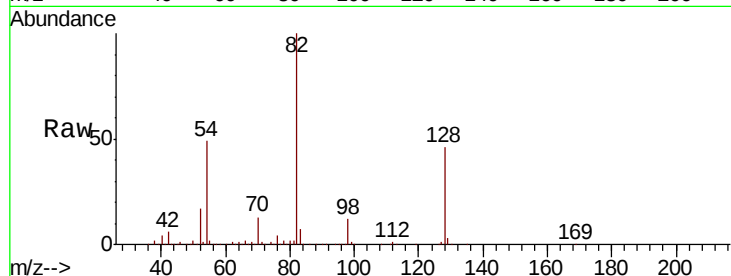
Tot Ion: 82 Resp: 764176

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

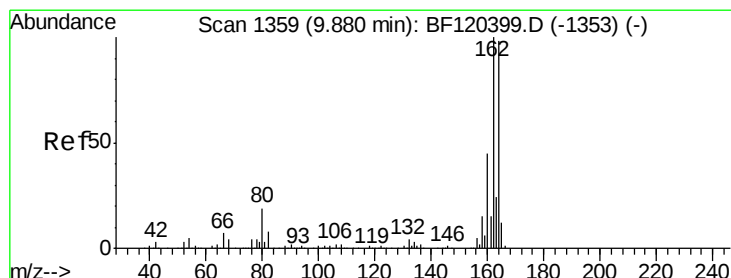
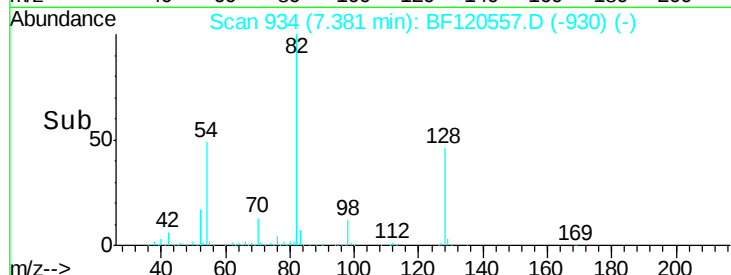
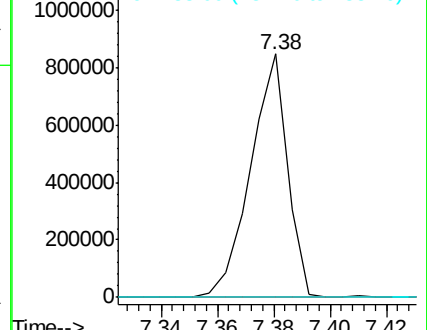
138 0.0 15.6 23.4#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

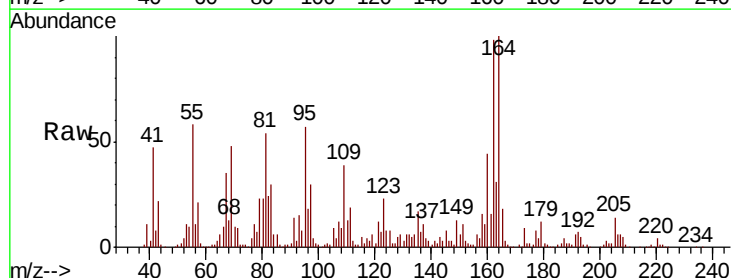
Tgt Ion: 164 Resp: 250470

Ion Ratio Lower Upper

164 100

162 97.7 81.2 121.8

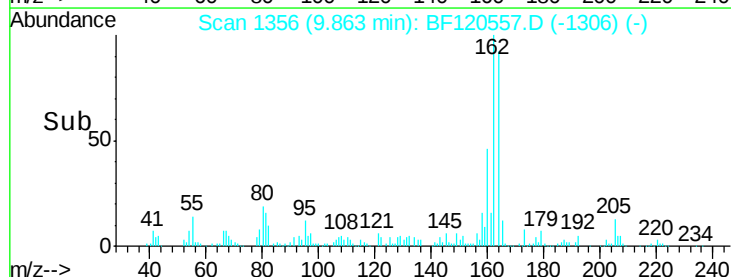
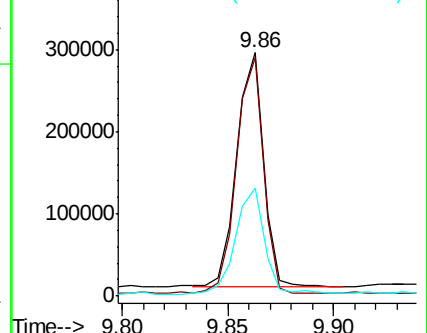
160 44.4 37.0 55.4

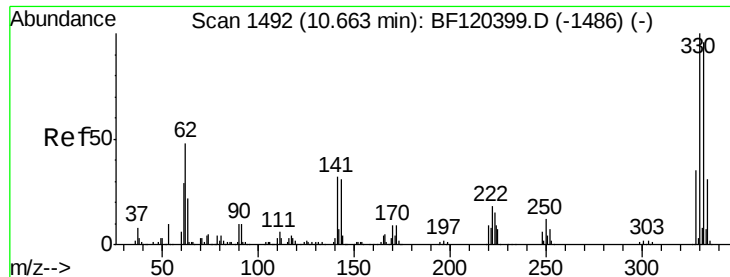


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

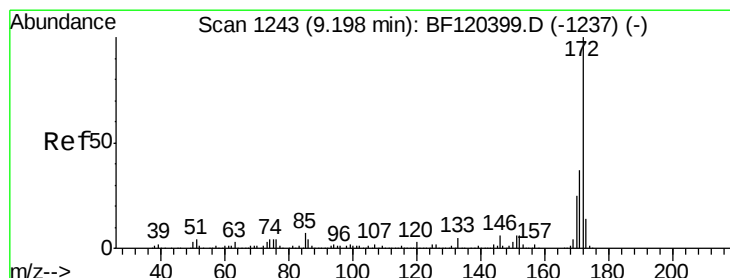
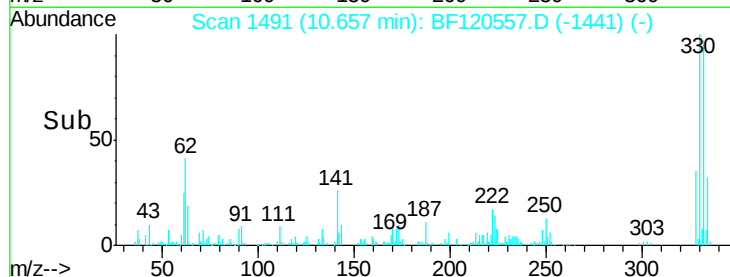
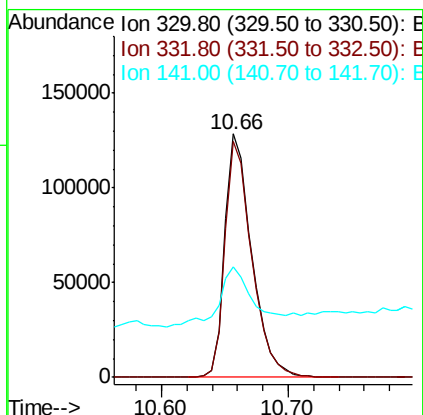
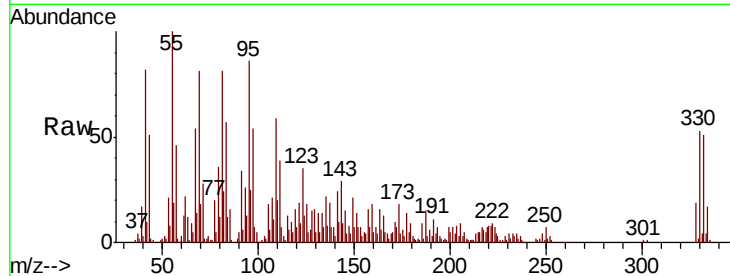




#42
 2,4,6-Tribromophenol
 Concen: 81.573 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120557.D
 Acq: 5 Jun 2020 14:05

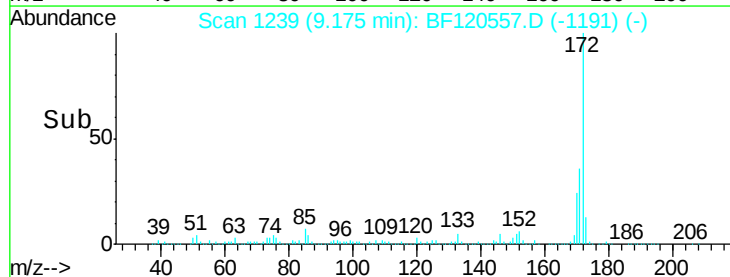
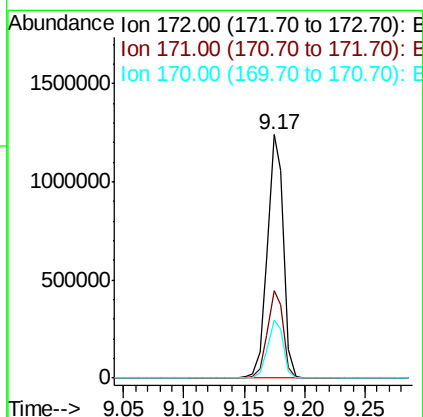
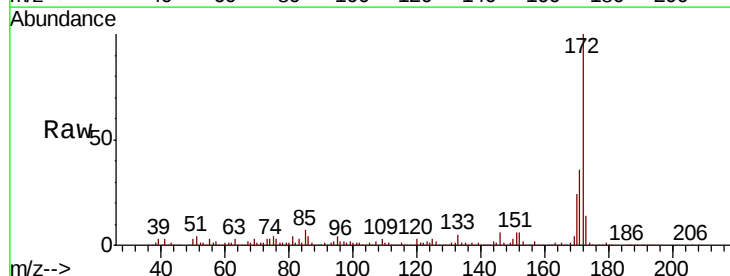
Instrument :
 BNA_F
 ClientSampleId :
 CHRT-26160

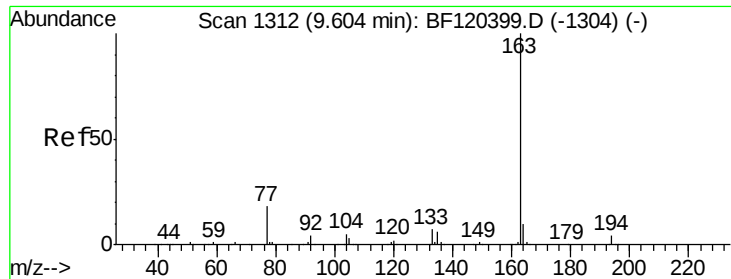
Tot Ion:330 Resp: 189308
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.0 115.4
 141 31.7 23.8 35.8



#45
 2-Fluorobiphenyl
 Concen: 77.323 ng
 RT: 9.17 min Scan# 1239
 Delta R.T. -0.02 min
 Lab File: BF120557.D
 Acq: 5 Jun 2020 14:05

Tgt Ion:172 Resp: 1141465
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.5 44.3
 170 23.9 19.8 29.6

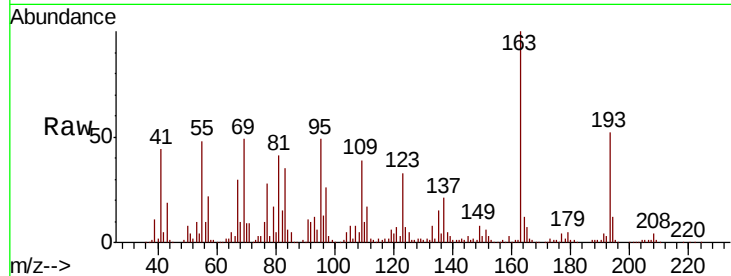




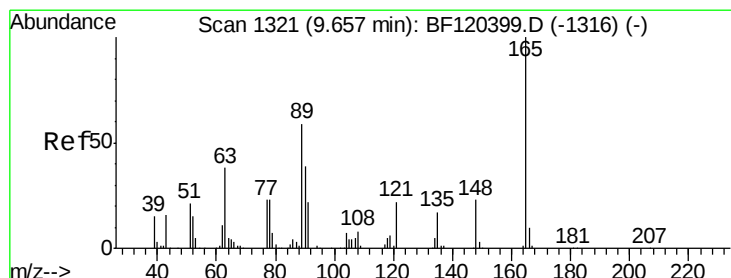
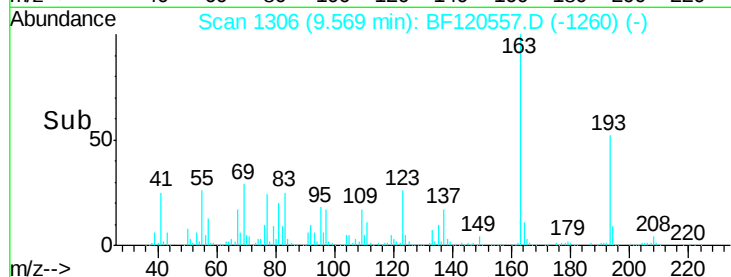
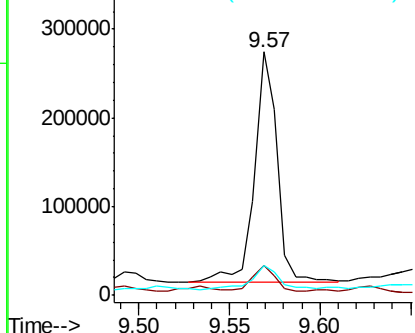
#50
Dimethylphthalate
Concen: 14.479 ng
RT: 9.57 min Scan# 1306
Delta R.T. -0.03 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Instrument :
BNA_F
ClientSampleId :
CHRT-26160

Tot Ion:163 Resp: 226715
Ion Ratio Lower Upper
163 100
194 12.2 3.1 4.7#
164 12.1 8.0 12.0#

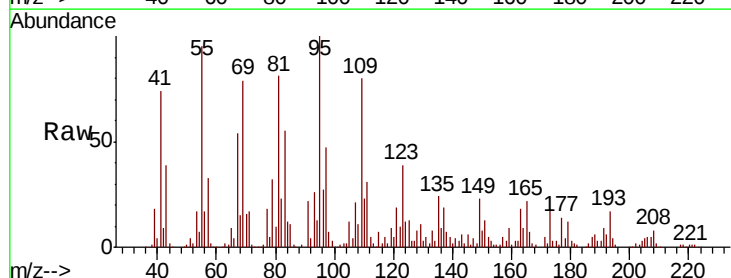


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

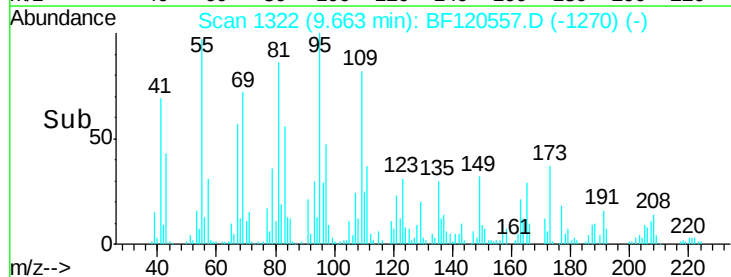
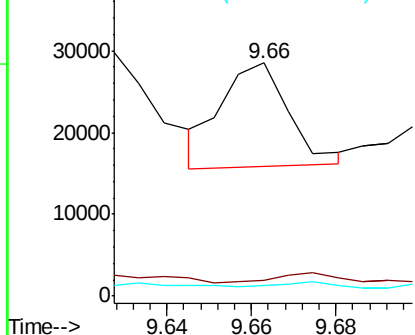


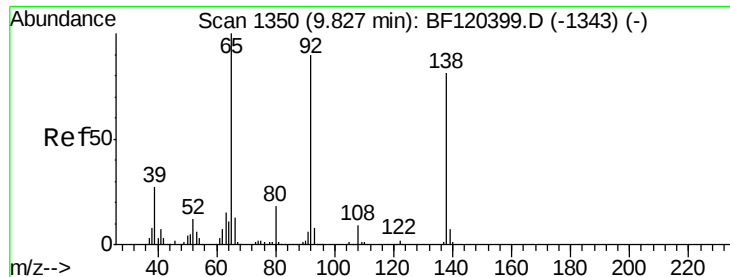
#51
2,6-Dinitrotoluene
Concen: 4.062 ng
RT: 9.66 min Scan# 1322
Delta R.T. 0.01 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion:165 Resp: 14134
Ion Ratio Lower Upper
165 100
63 6.9 39.8 59.8#
89 4.7 41.0 61.4#



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

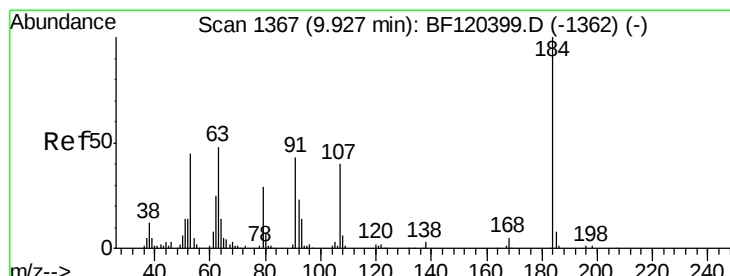
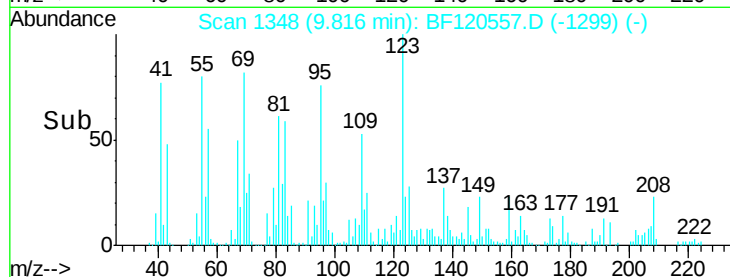
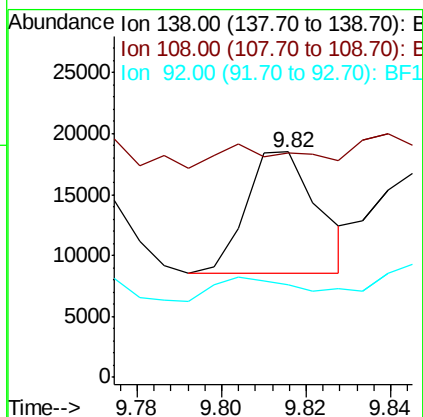
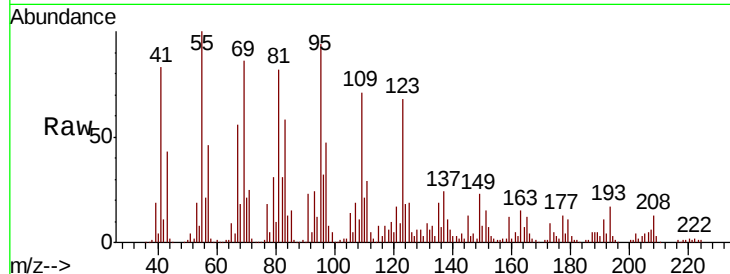




#53
3-Nitroaniline
Concen: 2.893 ng
RT: 9.82 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

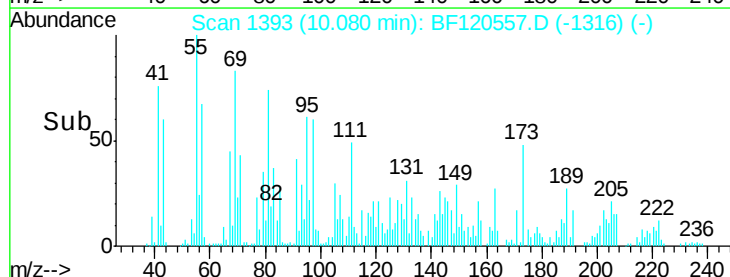
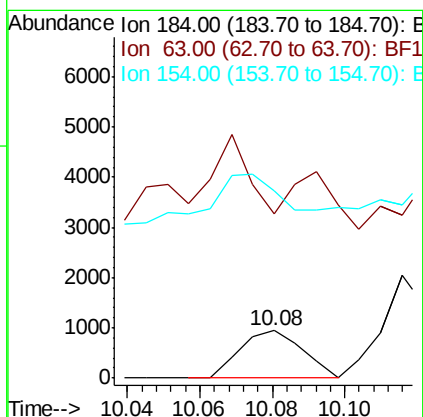
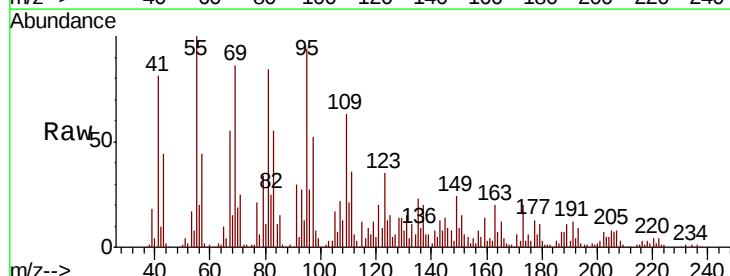
Instrument :
BNA_F
ClientSampleId :
CHRT-26160

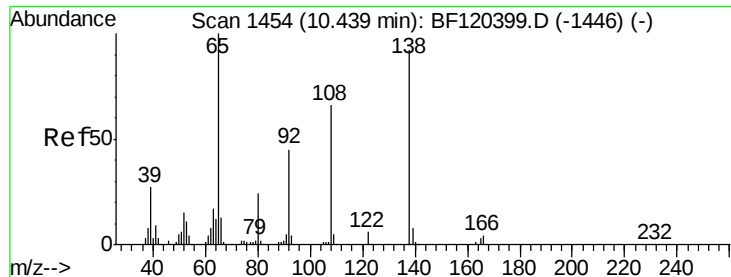
Tot Ion:138 Resp: 11822
Ion Ratio Lower Upper
138 100
108 99.3 8.0 12.0#
92 40.8 85.8 128.6#



#54
2,4-Dinitrophenol
Concen: 8.345 ng
RT: 10.08 min Scan# 1393
Delta R.T. 0.15 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion:184 Resp: 1136
Ion Ratio Lower Upper
184 100
63 346.7 52.6 79.0#
154 394.2 49.1 73.7#

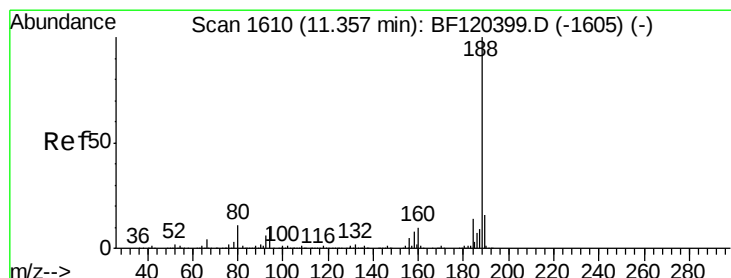
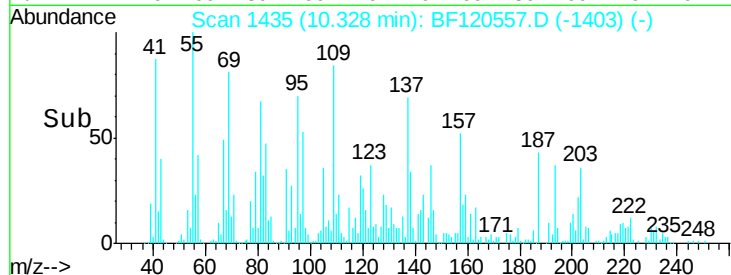
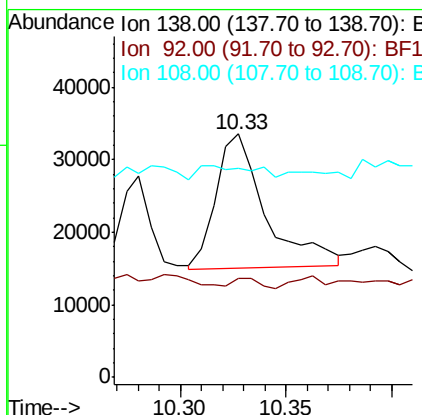
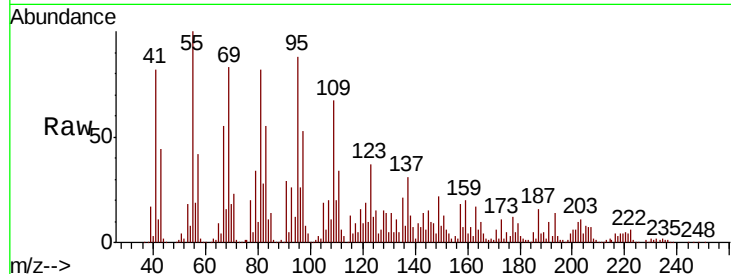




#62
4-Nitroaniline
Concen: 7.852 ng
RT: 10.33 min Scan# 1435
Delta R.T. -0.11 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

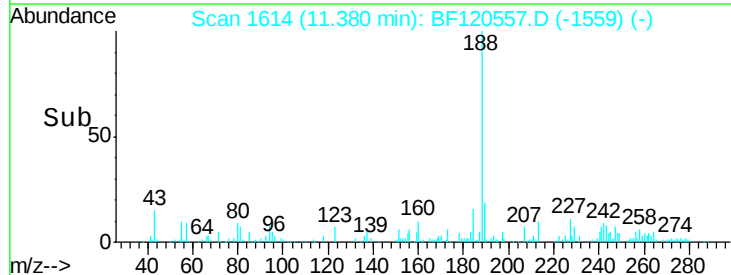
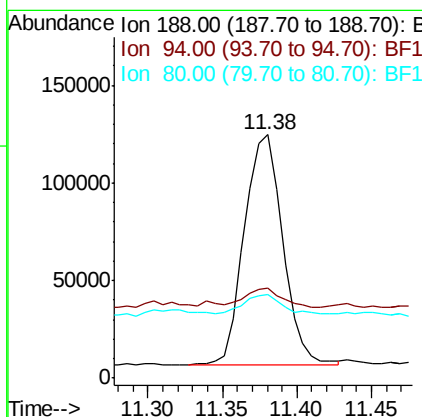
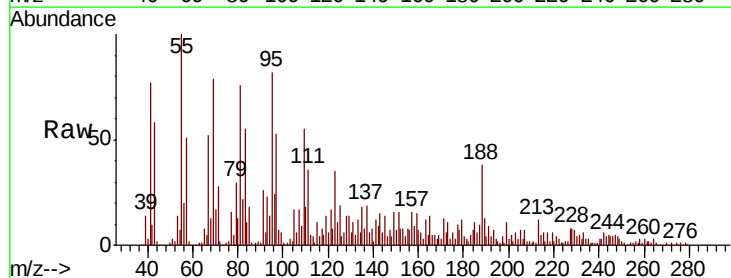
Instrument :
BNA_F
ClientSampleId :
CHRT-26160

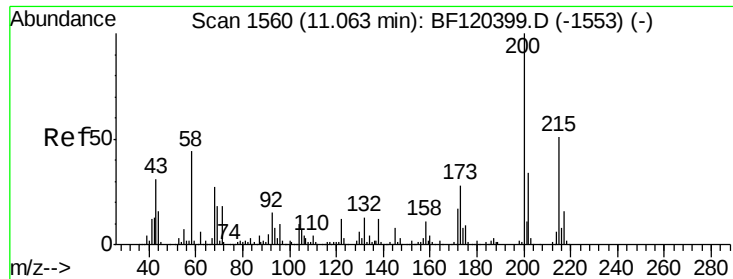
Tot Ion:138 Resp: 30292
Ion Ratio Lower Upper
138 100
92 40.6 29.3 69.3
108 85.8 50.9 90.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1614
Delta R.T. 0.02 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion:188 Resp: 209941
Ion Ratio Lower Upper
188 100
94 37.1 7.4 11.2#
80 34.5 7.6 11.4#





#69

Atrazine

Concen: 13.028 ng

RT: 11.07 min Scan# 1562

Delta R.T. 0.02 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26160

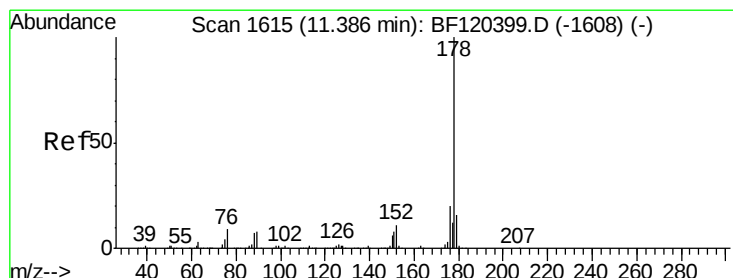
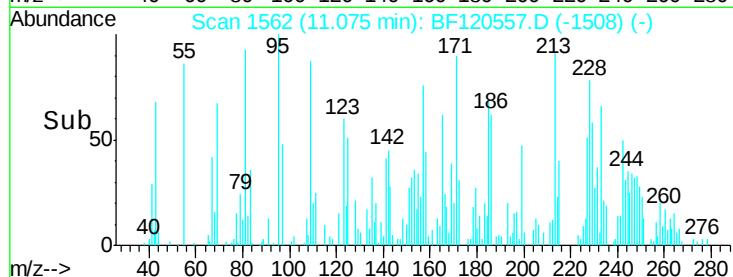
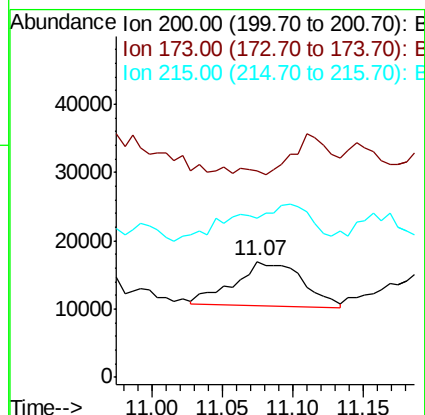
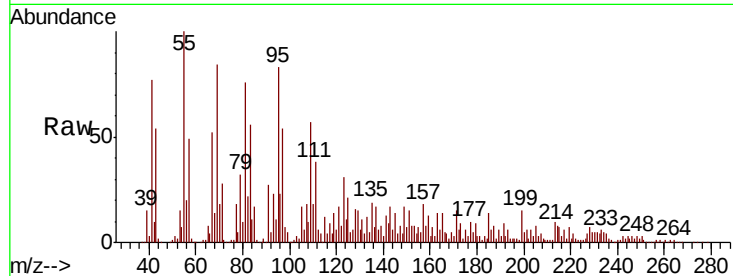
Tot Ion:200 Resp: 21415

Ion Ratio Lower Upper

200 100

173 178.7 8.8 48.8#

215 137.7 30.5 70.5#



#71

Phenanthrene

Concen: 6.929 ng

RT: 11.40 min Scan# 1618

Delta R.T. 0.02 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

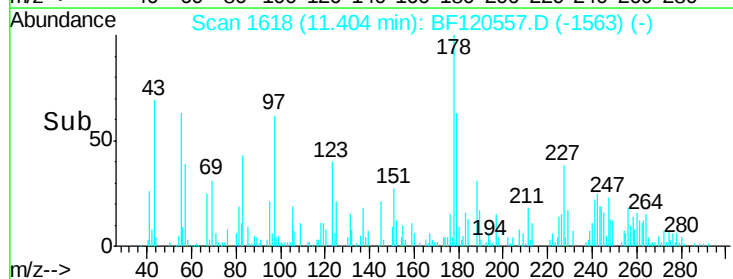
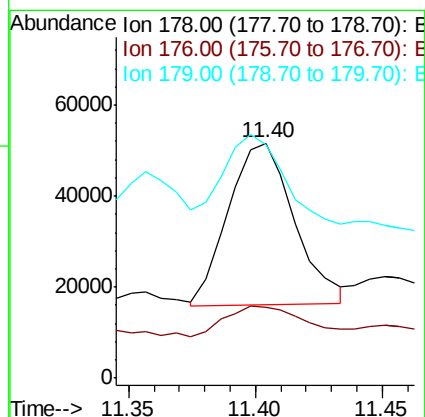
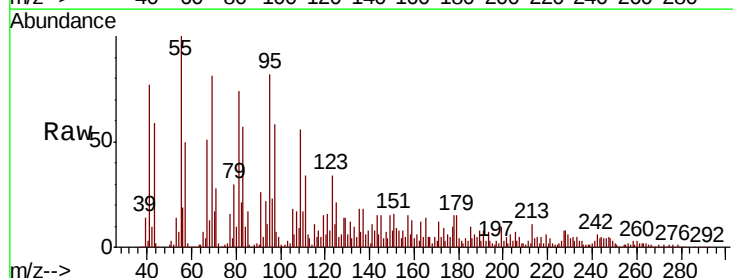
Tgt Ion:178 Resp: 64094

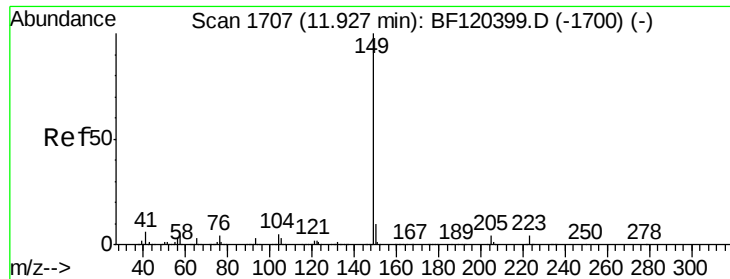
Ion Ratio Lower Upper

178 100

176 30.0 16.2 24.2#

179 99.5 12.8 19.2#

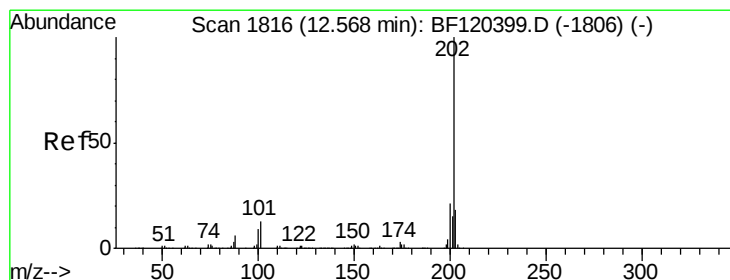
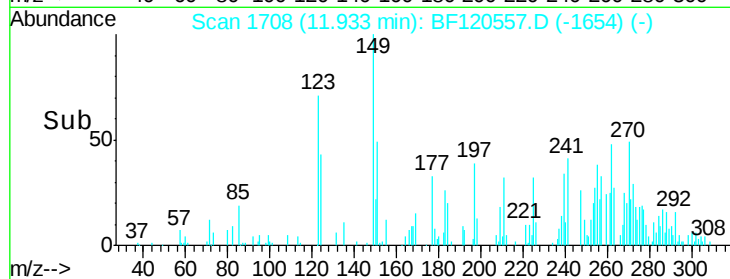
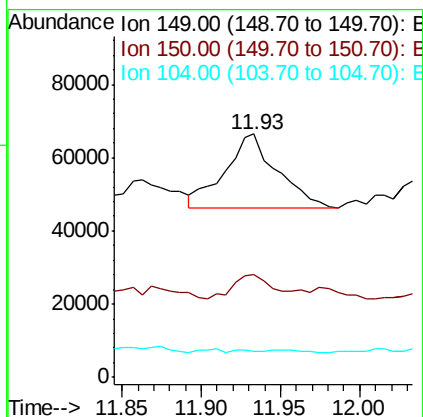
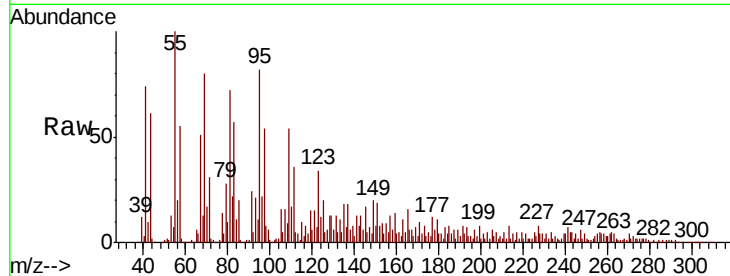




#74
Di-n-butylphthalate
Concen: 4.403 ng
RT: 11.93 min Scan# 1708
Delta R.T. 0.02 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

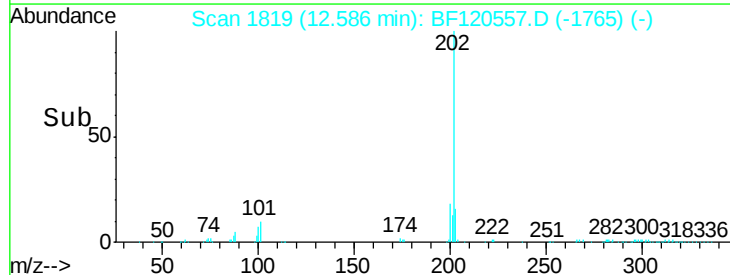
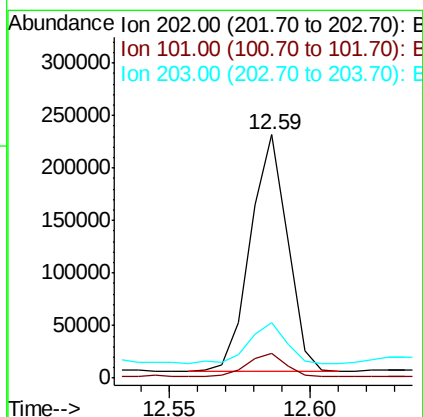
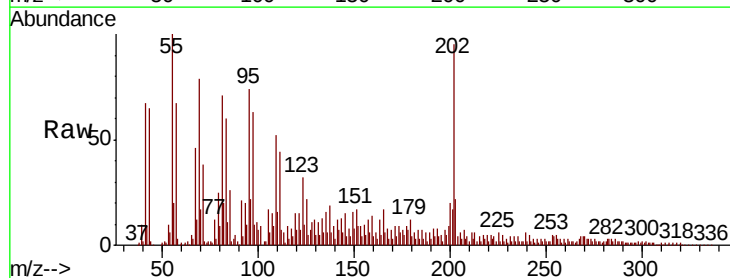
Instrument :
BNA_F
ClientSampleId :
CHRT-26160

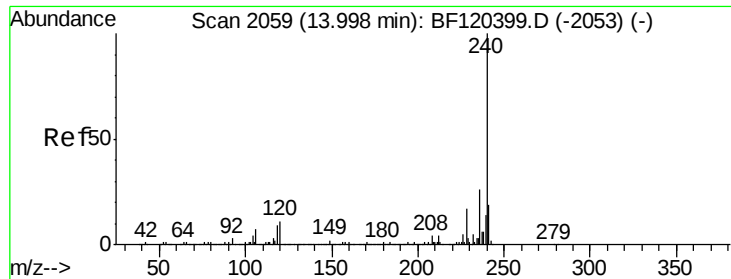
Tot Ion:149 Resp: 45981
Ion Ratio Lower Upper
149 100
150 42.1 7.9 11.9#
104 10.7 3.9 5.9#



#75
Fluoranthene
Concen: 20.565 ng
RT: 12.59 min Scan# 1819
Delta R.T. 0.02 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion:202 Resp: 204702
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.3
203 22.9 0.0 38.4

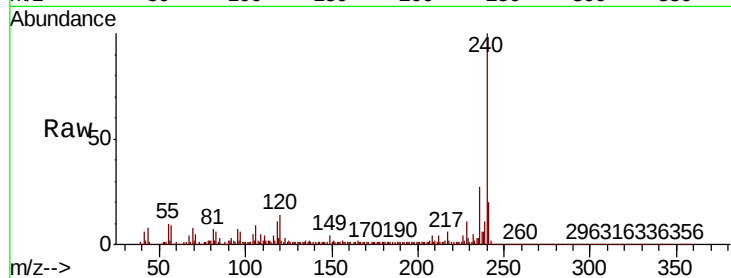




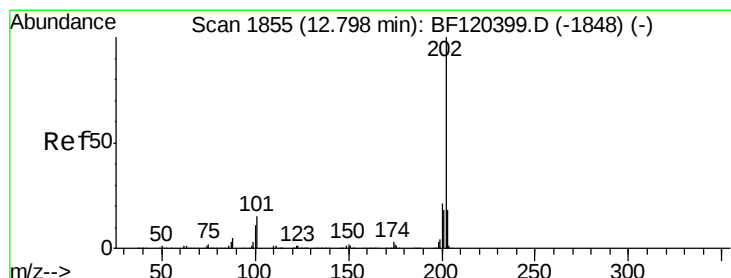
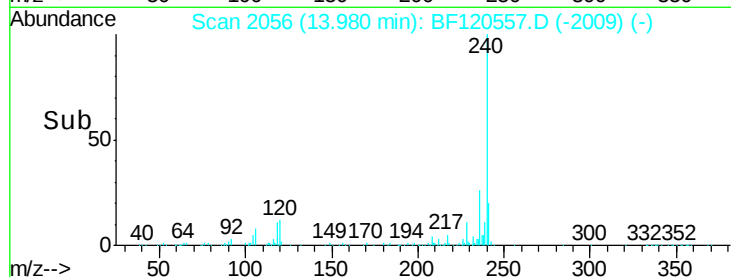
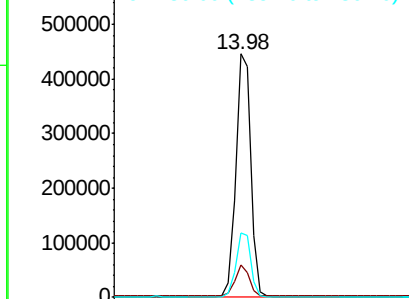
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2056
Delta R.T. -0.02 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Instrument :
BNA_F
ClientSampleId :
CHRT-26160

Tot Ion:240 Resp: 422146
Ion Ratio Lower Upper
240 100
120 13.5 7.7 11.5#
236 26.6 20.8 31.2

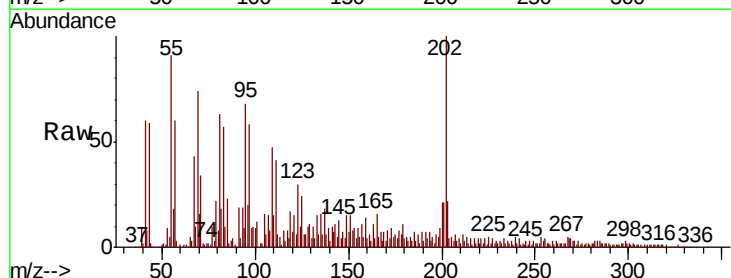


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

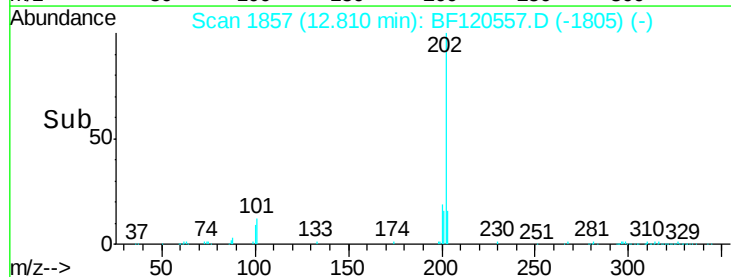
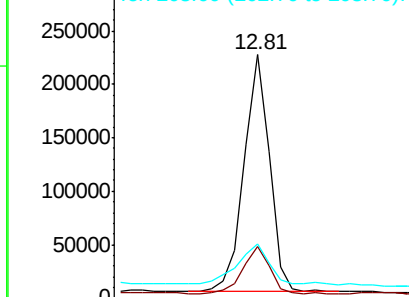


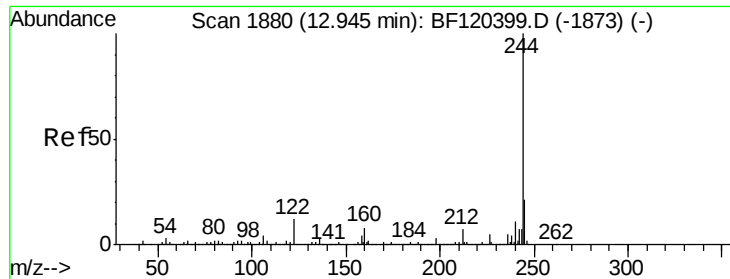
#78
Pyrene
Concen: 6.868 ng
RT: 12.81 min Scan# 1857
Delta R.T. 0.01 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion:202 Resp: 201622
Ion Ratio Lower Upper
202 100
200 21.3 17.0 25.6
203 22.1 14.2 21.2#



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





#79

Terphenyl-d14

Concen: 46.728 ng

RT: 12.94 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

Instrument :

BNA_F

ClientSampleId :

CHRT-26160

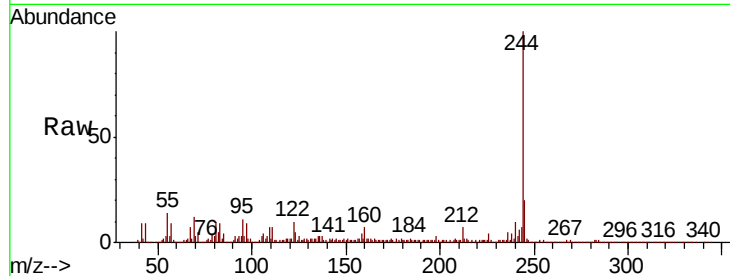
Tot Ion:244 Resp: 886464

Ion Ratio Lower Upper

244 100

212 7.1 5.7 8.5

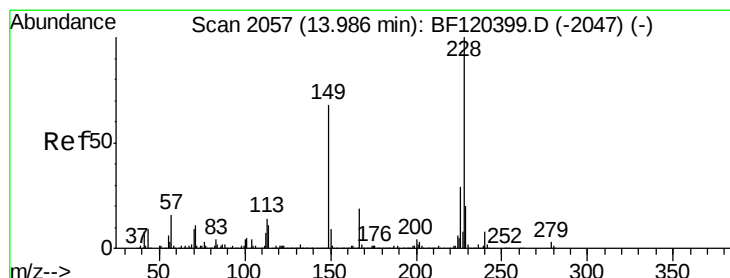
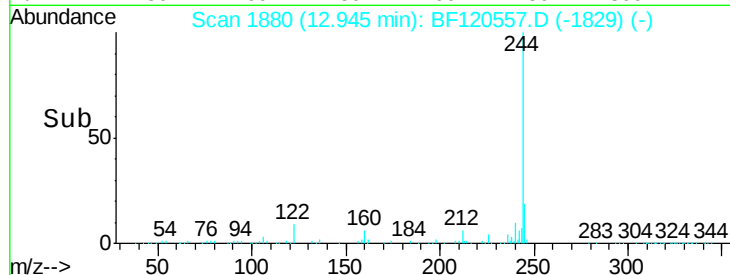
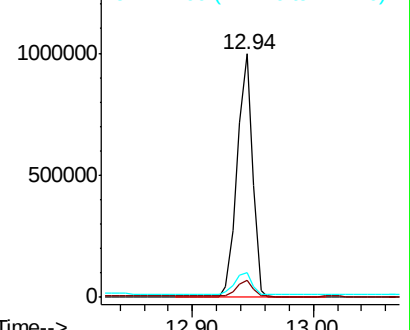
122 10.3 8.0 12.0



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



#81

Benzo(a)anthracene

Concen: 5.048 ng

RT: 13.97 min Scan# 2055

Delta R.T. -0.02 min

Lab File: BF120557.D

Acq: 5 Jun 2020 14:05

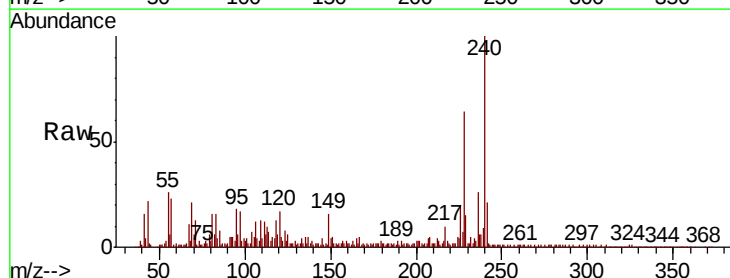
Tgt Ion:228 Resp: 114203

Ion Ratio Lower Upper

228 100

226 31.8 22.4 33.6

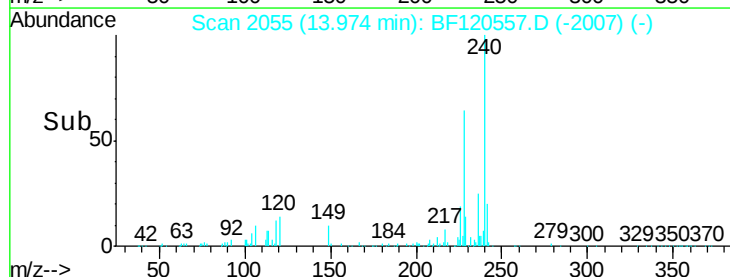
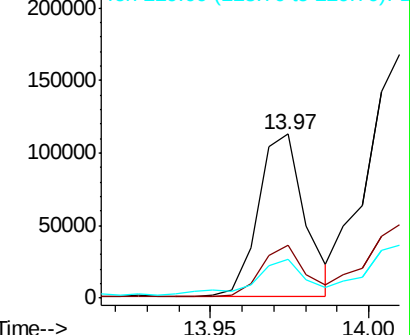
229 23.5 16.2 24.2

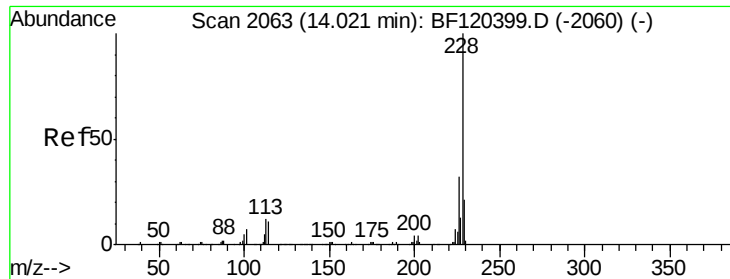


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

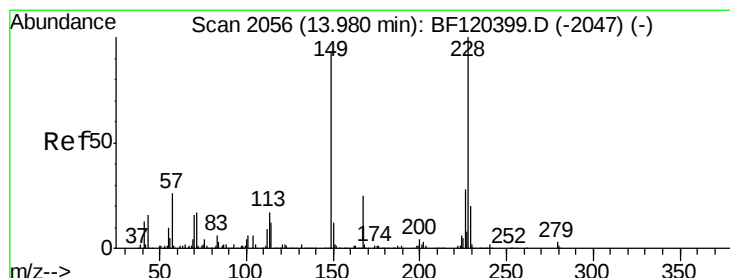
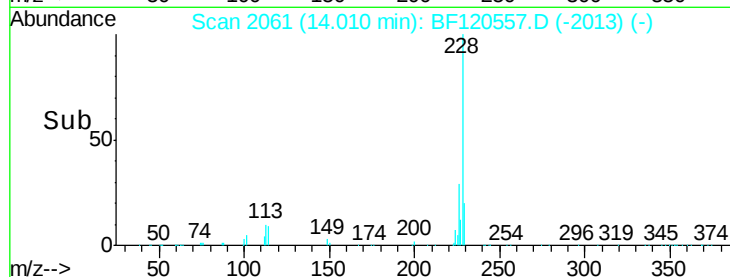
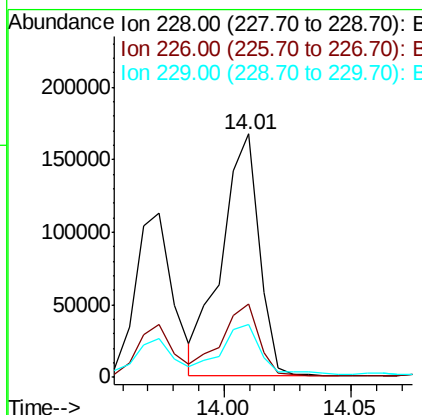
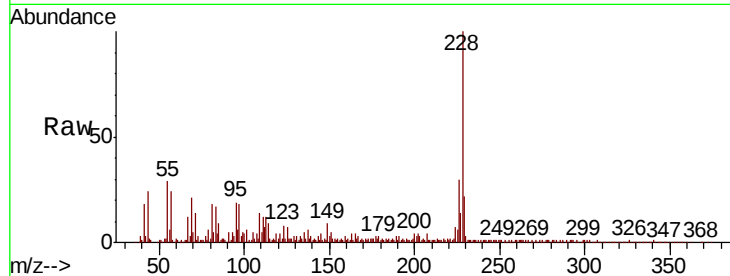




#83
Chrysene
Concen: 7.202 ng
RT: 14.01 min Scan# 2061
Delta R.T. -0.02 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

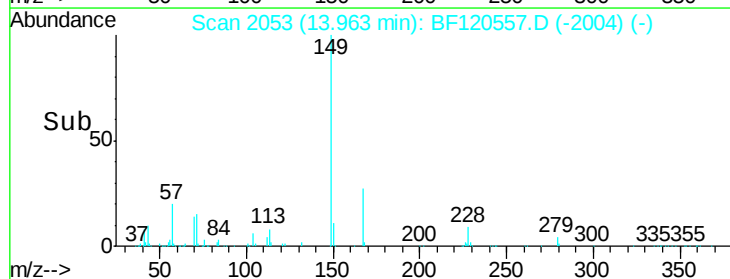
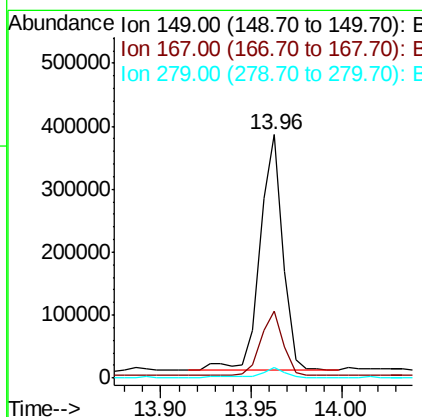
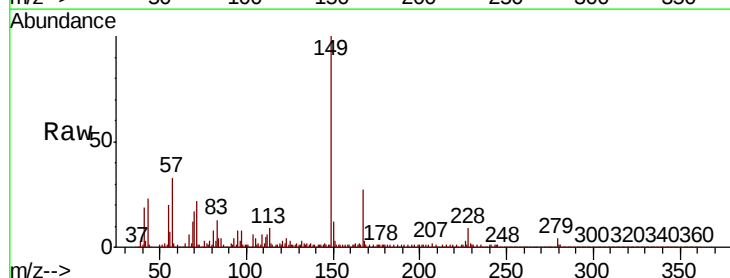
Instrument :
BNA_F
ClientSampleId :
CHRT-26160

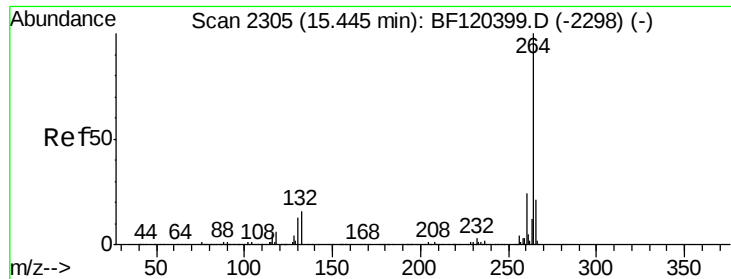
Tot Ion:228 Resp: 170816
Ion Ratio Lower Upper
228 100
226 30.1 25.6 38.4
229 21.7 16.2 24.2



#84
Bis(2-ethylhexyl)phthalate
Concen: 22.516 ng
RT: 13.96 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion:149 Resp: 323947
Ion Ratio Lower Upper
149 100
167 27.3 22.6 33.8
279 4.1 3.1 4.7

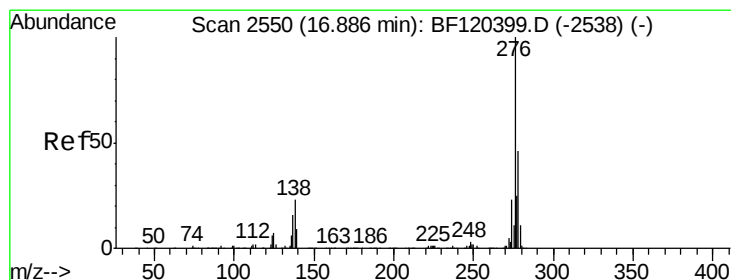
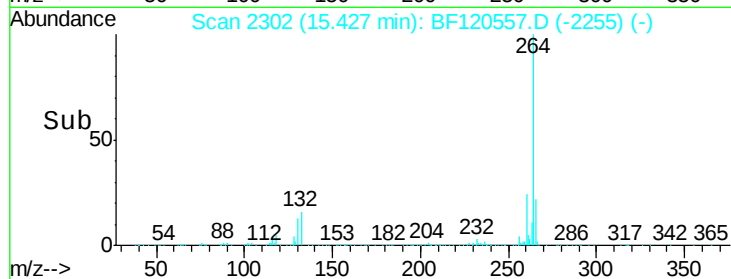
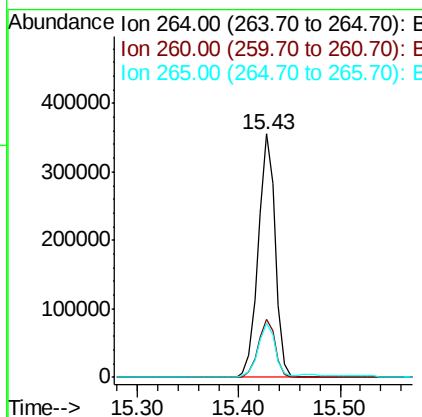
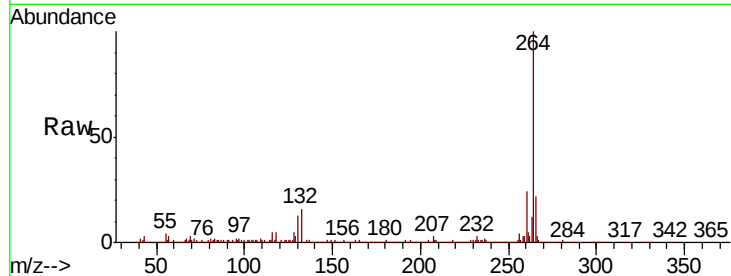




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2302
Delta R.T. -0.02 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

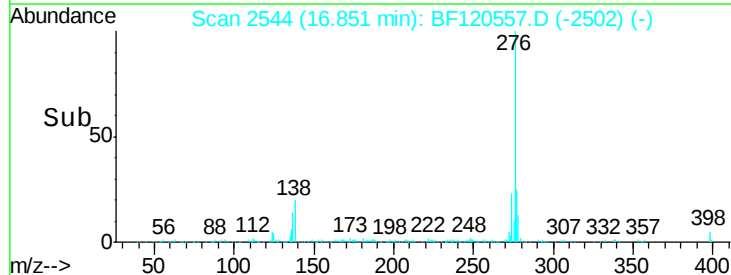
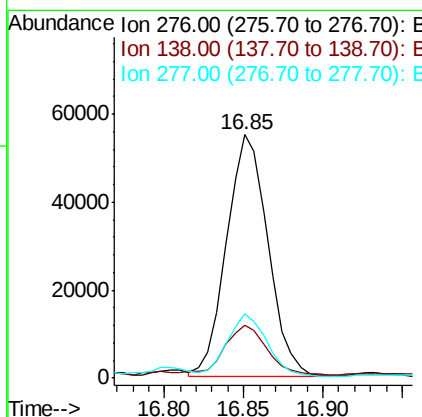
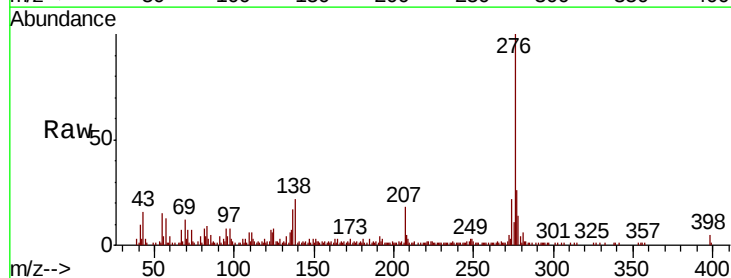
Instrument :
BNA_F
ClientSampleId :
CHRT-26160

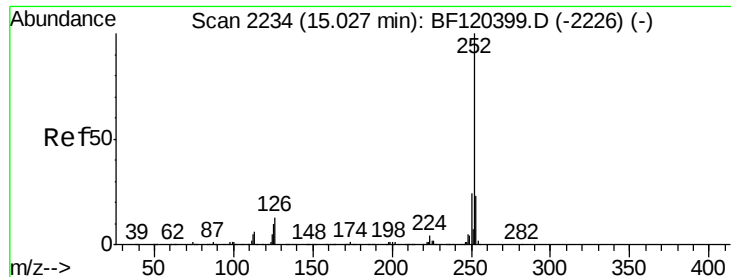
Tot Ion:264 Resp: 412344
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.4 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.407 ng
RT: 16.85 min Scan# 2544
Delta R.T. -0.05 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion:276 Resp: 99399
Ion Ratio Lower Upper
276 100
138 23.1 19.2 28.8
277 24.7 20.3 30.5

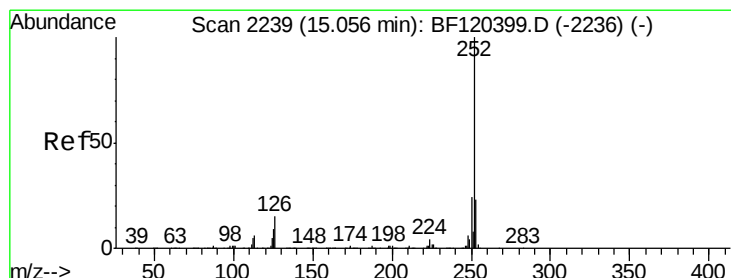
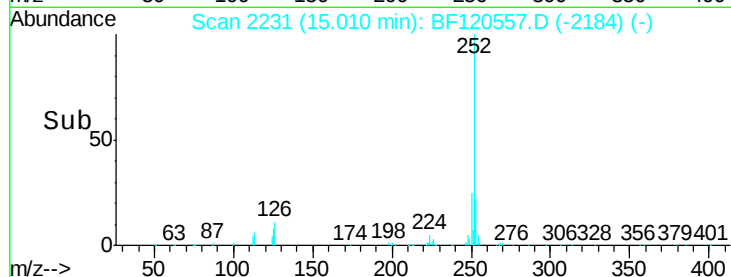
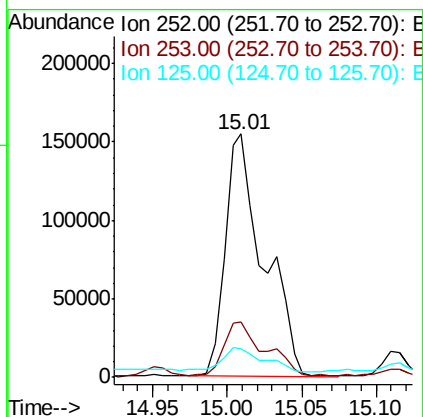
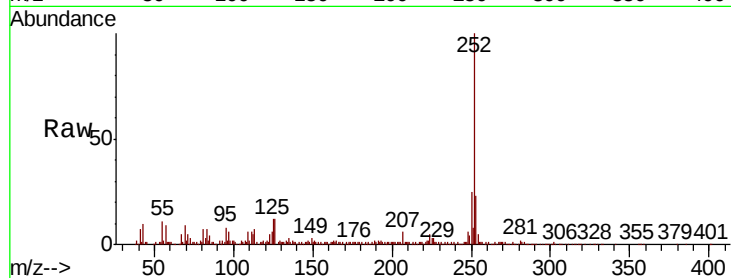




#88
Benzo(b)fluoranthene
Concen: 12.134 ng
RT: 15.01 min Scan# 2231
Delta R.T. -0.02 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

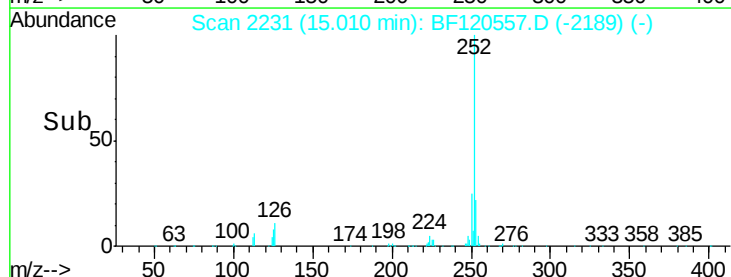
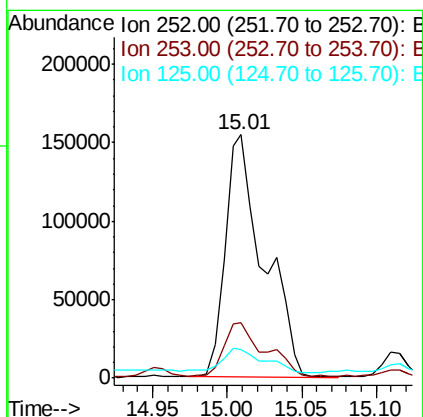
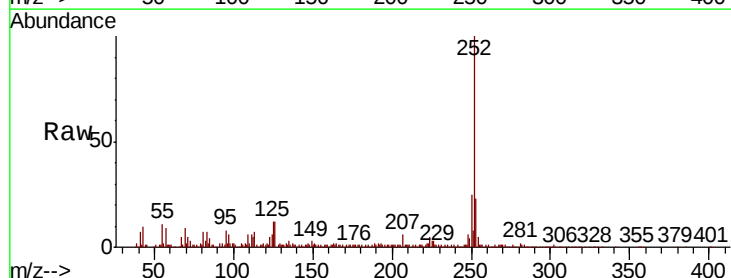
Instrument :
BNA_F
ClientSampleId :
CHRT-26160

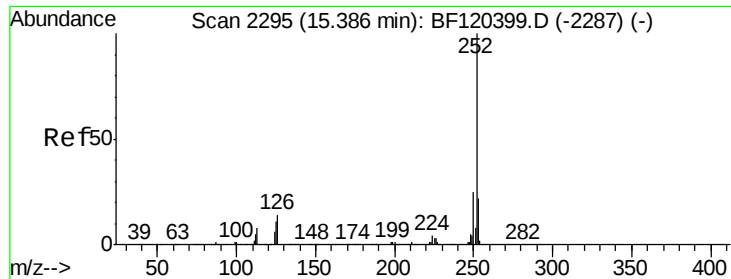
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.0	27.0
125	11.8	8.3	12.5



#89
Benzo(k)fluoranthene
Concen: 12.997 ng
RT: 15.01 min Scan# 2231
Delta R.T. -0.05 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.4	27.6
125	11.8	8.6	13.0

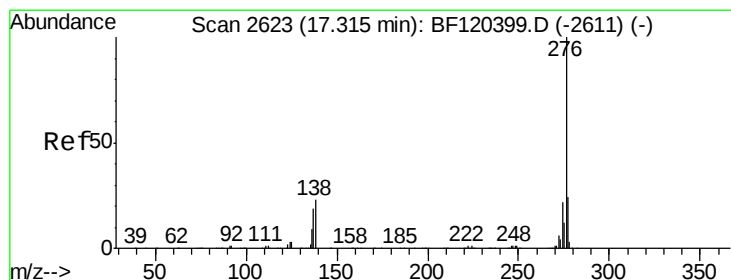
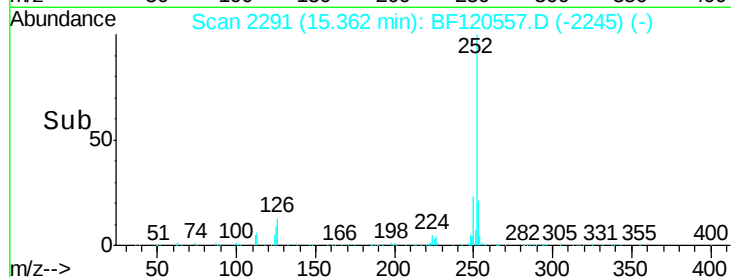
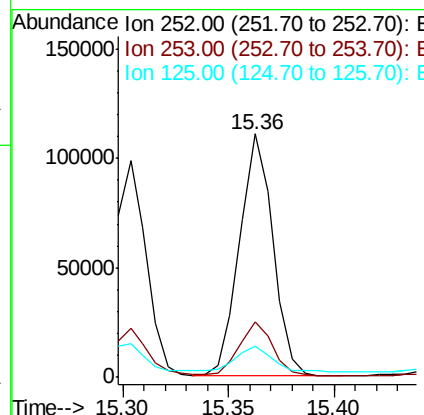
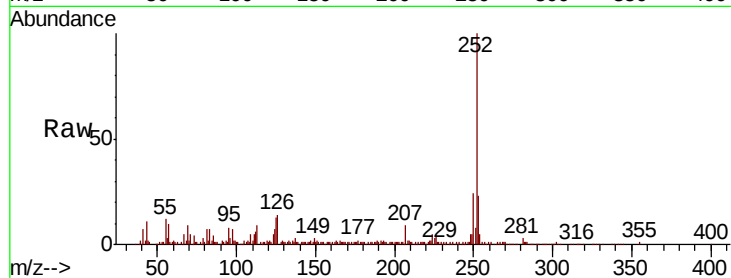




#90
Benzo(a)pyrene
Concen: 6.041 ng
RT: 15.36 min Scan# 2291
Delta R.T. -0.03 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Instrument :
BNA_F
ClientSampled :
CHRT-26160

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	12.7	9.6	14.4



#92
Benzo(g,h,i)perylene
Concen: 5.235 ng
RT: 17.29 min Scan# 2618
Delta R.T. -0.06 min
Lab File: BF120557.D
Acq: 5 Jun 2020 14:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.3	28.9
138	21.1	16.9	25.3

