

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
 Data File : BF120356.D
 Acq On : 18 May 2020 21:49
 Operator : MA/SJ
 Sample : L2500-01RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 00:27:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 15:23:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	286603	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1108969	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	433654	20.00	ng	0.00
64) Phenanthrene-d10	11.12	188	692139	20.00	ng	0.00
76) Chrysene-d12	13.76	240	528084	20.00	ng	0.00
87) Perylene-d12	15.15	264	448285	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	2059546	139.82	ng	0.00
7) Phenol-d6	6.26	99	2747087	147.47	ng	0.00
23) Nitrobenzene-d5	7.17	82	1609838	99.39	ng	0.00
42) 2,4,6-Tribromophenol	10.43	330	447901	126.68	ng	0.00
45) 2-Fluorobiphenyl	8.97	172	2500597	118.47	ng	0.00
79) Terphenyl-d14	12.72	244	2083536	87.16	ng	0.00

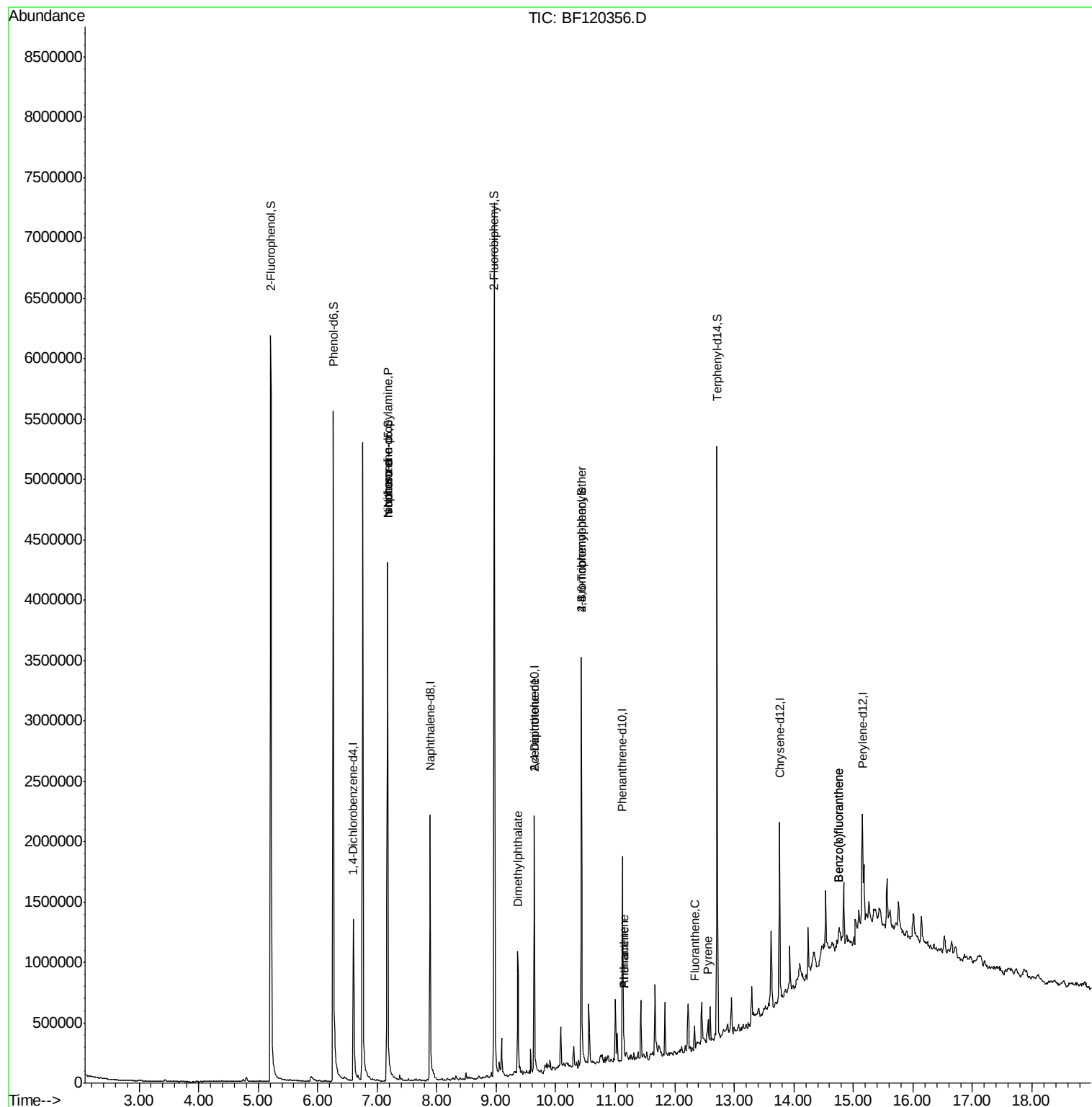
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.17	70	206936	16.957	ng	# 78
25) Isophorone	7.17	82	1593872	47.294	ng	# 65
50) Dimethylphthalate	9.36	163	409405	14.935	ng	99
57) 2,4-Dinitrotoluene	9.64	165	57893	8.066	ng	# 16
67) 4-Bromophenyl-phenylether	10.43	248	28102	4.184	ng	# 1
71) Phenanthrene	11.15	178	63421	2.181	ng	98
72) Anthracene	11.15	178	63421	2.037	ng	99
75) Fluoranthene	12.33	202	85871	2.755	ng	96
78) Pyrene	12.56	202	88948	2.363	ng	100
88) Benzo(b)fluoranthene	14.76	252	52152	2.130	ng	# 55
89) Benzo(k)fluoranthene	14.76	252	52152	2.459	ng	# 55

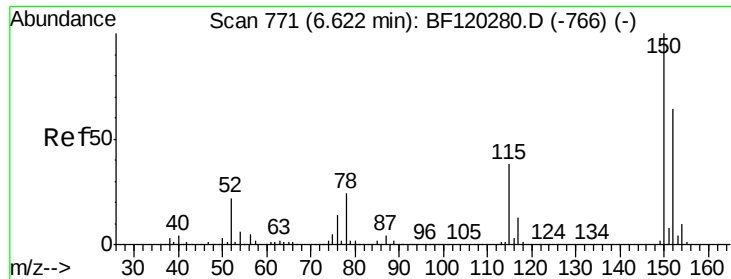
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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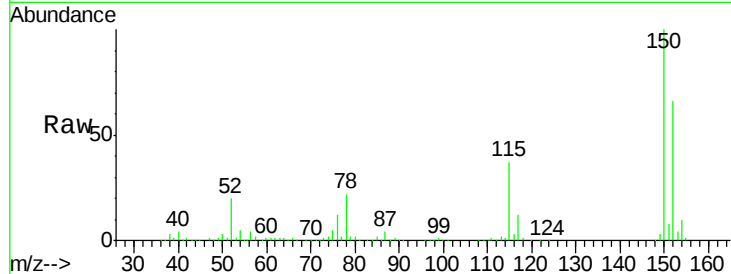


#1

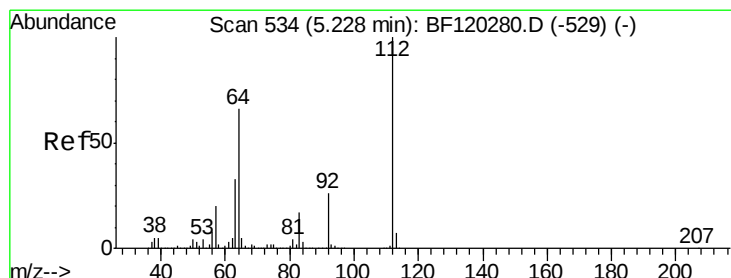
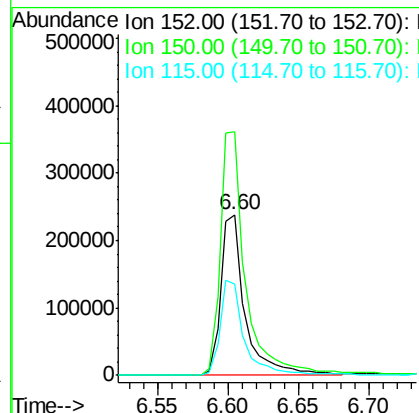
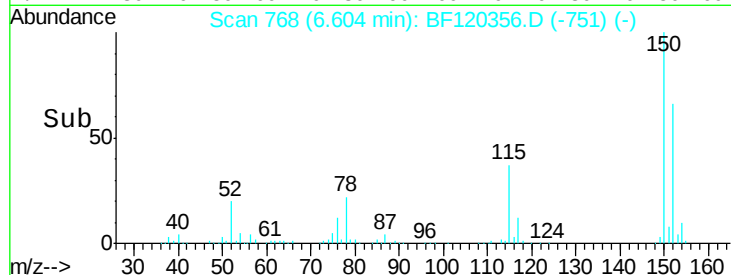
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 768
Delta R.T. -0.00 min
Lab File: BF120356.D
Acq: 18 May 2020 21:49

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 286603
Ion Ratio Lower Upper
152 100
150 151.3 126.2 189.2
115 56.3 47.9 71.9



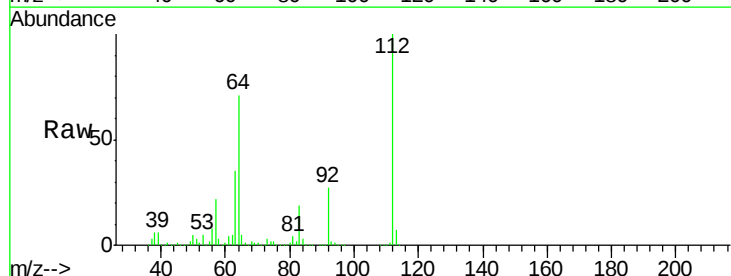
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



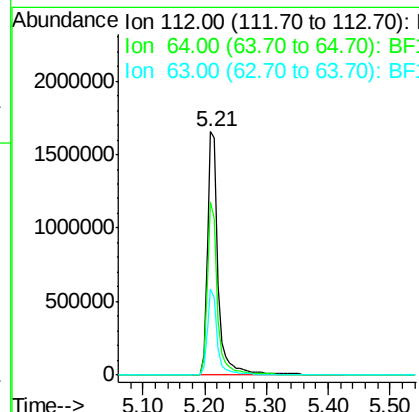
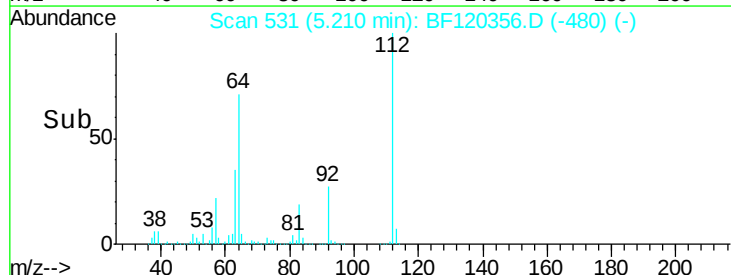
#5

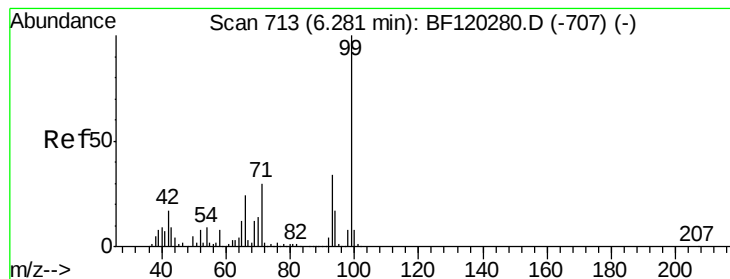
2-Fluorophenol
Concen: 139.819 ng
RT: 5.21 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF120356.D
Acq: 18 May 2020 21:49

Tgt Ion:112 Resp: 2059546
Ion Ratio Lower Upper
112 100
64 71.4 52.7 79.1
63 35.5 26.2 39.4



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: 147.475 ng

RT: 6.26 min Scan# 710

Delta R.T. -0.00 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Instrument :

BNA_F

ClientSampled :

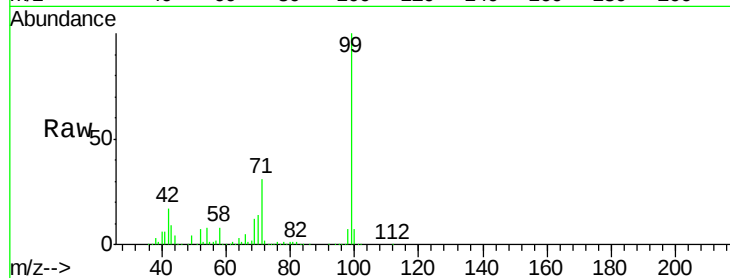
Tot Ion: 99 Resp: 2747087

Ion Ratio Lower Upper

99 100

42 16.7 13.6 20.4

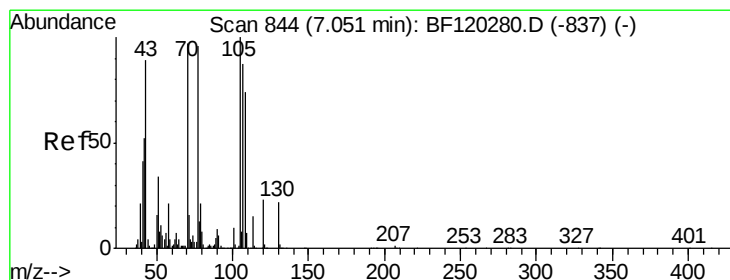
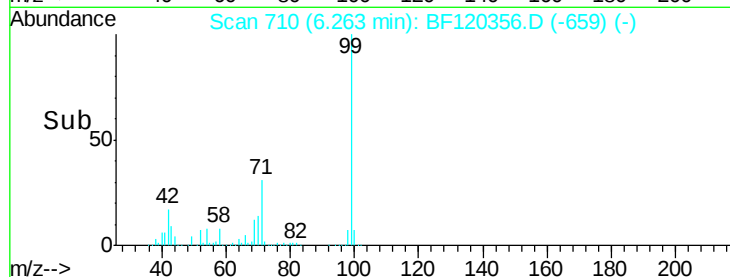
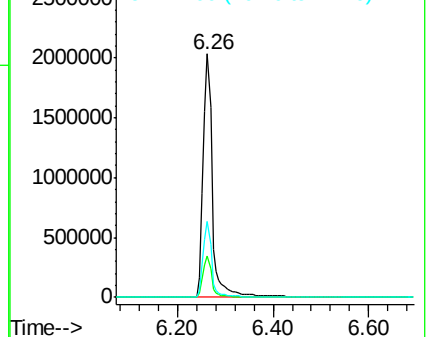
71 31.2 24.2 36.4



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: 16.957 ng

RT: 7.17 min Scan# 865

Delta R.T. 0.14 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Tgt Ion: 70 Resp: 206936

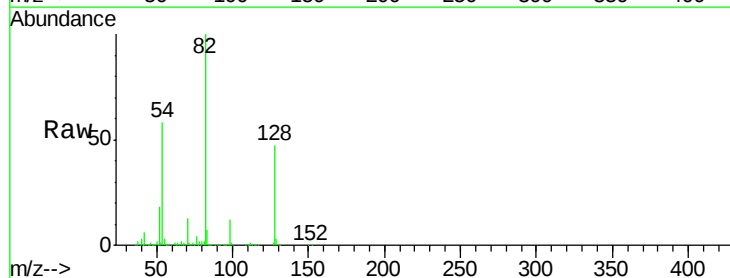
Ion Ratio Lower Upper

70 100

42 45.4 43.4 65.0

101 0.0 7.8 11.8#

130 2.1 18.2 27.4#

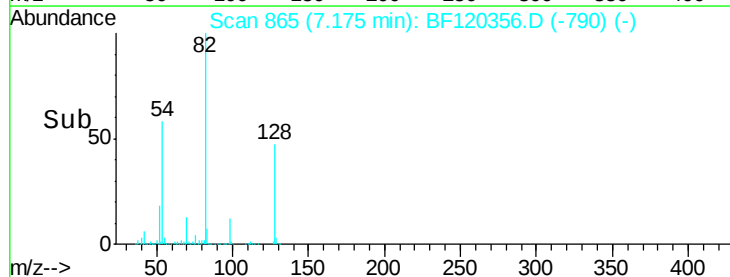
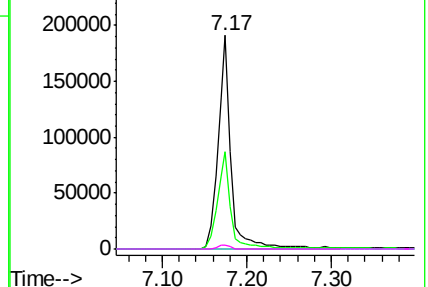


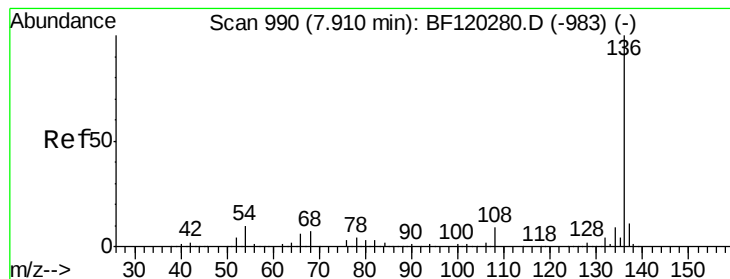
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.89 min Scan# 986

Delta R.T. -0.00 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1108969

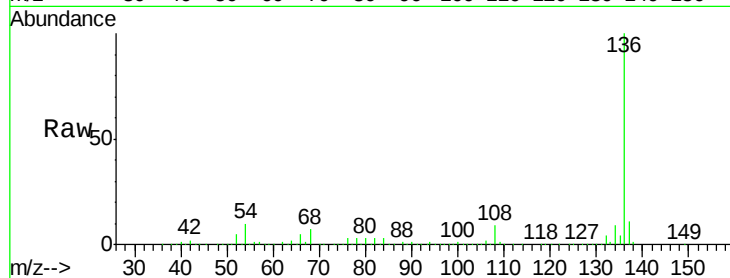
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 10.1 7.9 11.9

68 6.7 5.4 8.2

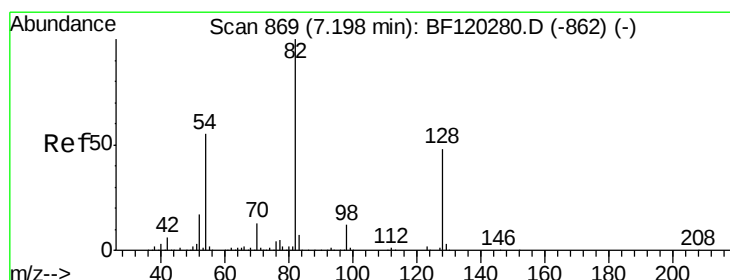
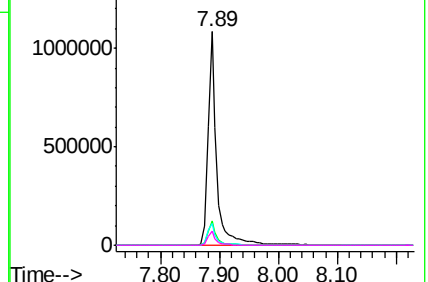
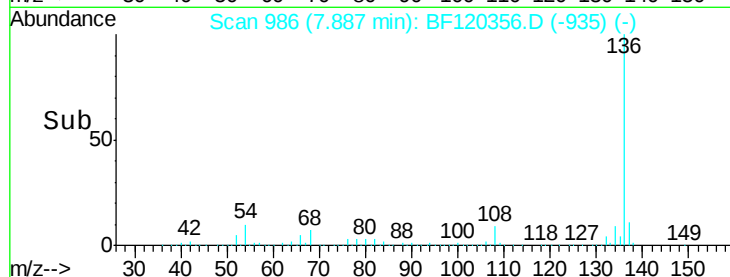


Abundance Ion 136.00 (135.70 to 136.70): E

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: 99.390 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.00 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

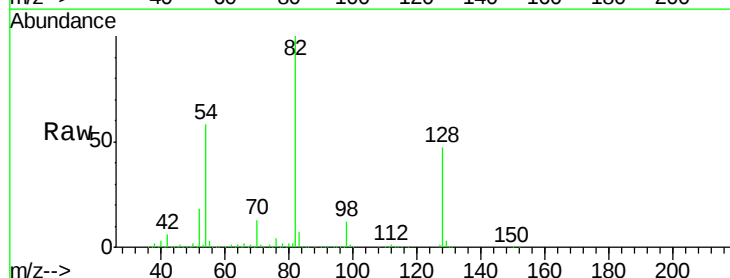
Tgt Ion: 82 Resp: 1609838

Ion Ratio Lower Upper

82 100

128 47.5 38.3 57.5

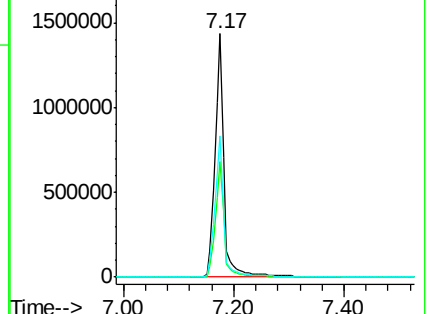
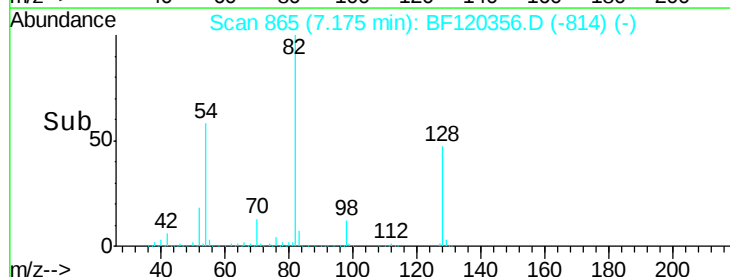
54 58.0 43.9 65.9

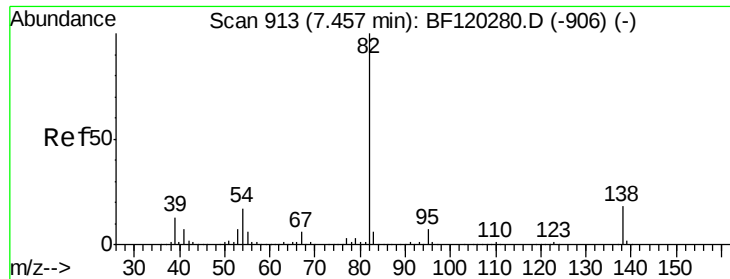


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 47.294 ng

RT: 7.17 min Scan# 865

Delta R.T. -0.26 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Instrument :

BNA_F

ClientSampled :

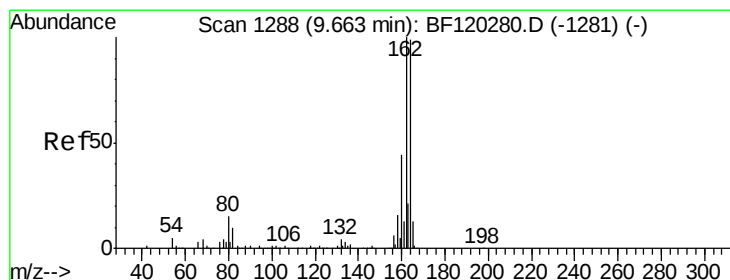
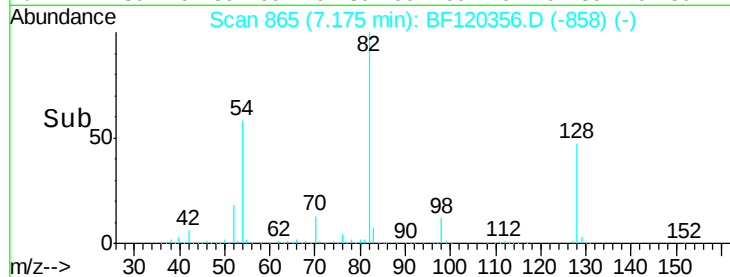
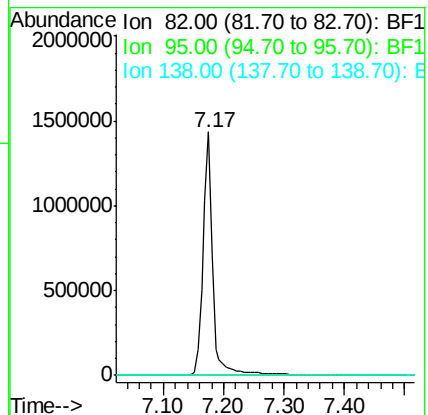
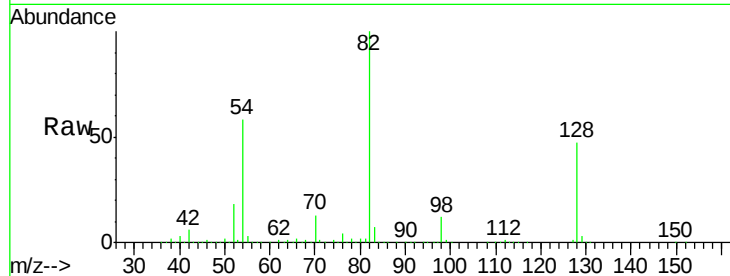
Tot Ion: 82 Resp: 1593872

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 14.7 22.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

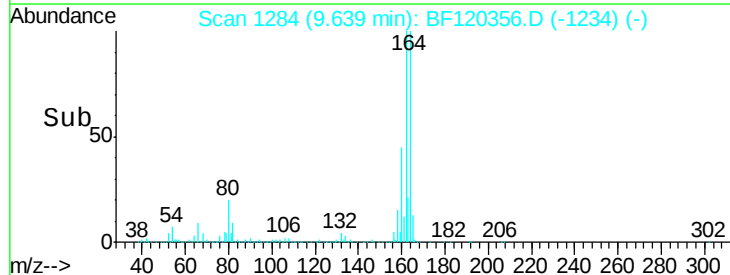
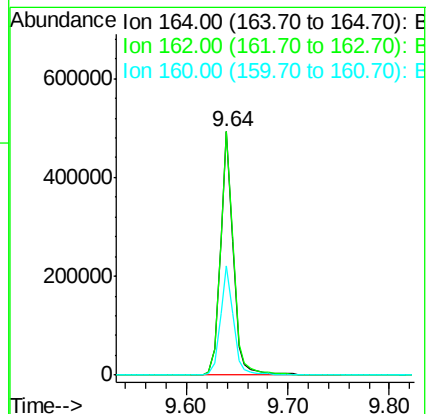
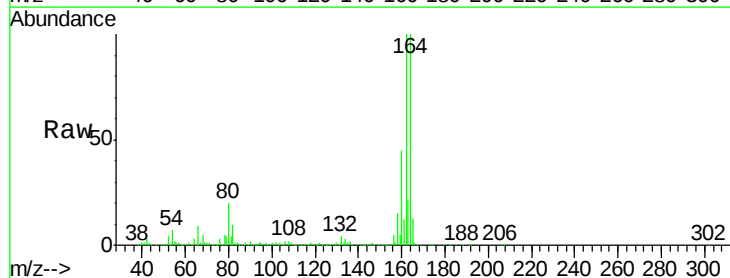
Tgt Ion:164 Resp: 433654

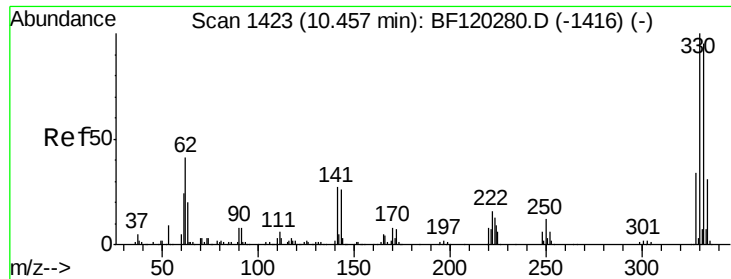
Ion Ratio Lower Upper

164 100

162 100.1 81.2 121.8

160 44.7 35.8 53.6

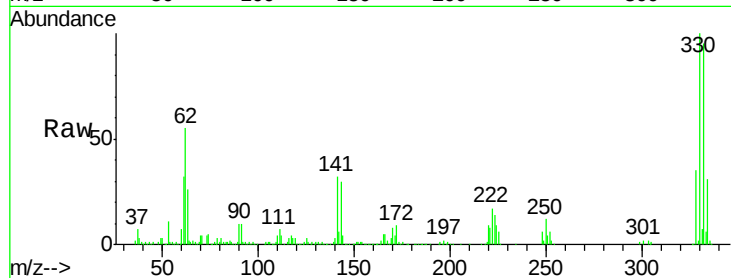




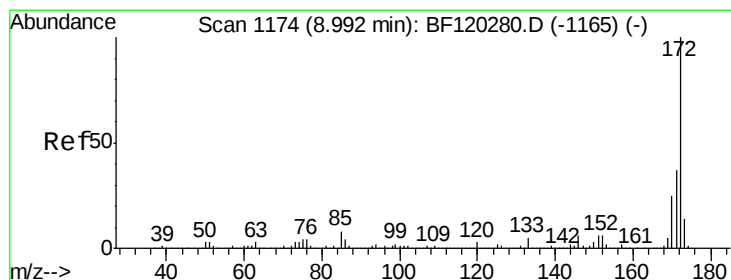
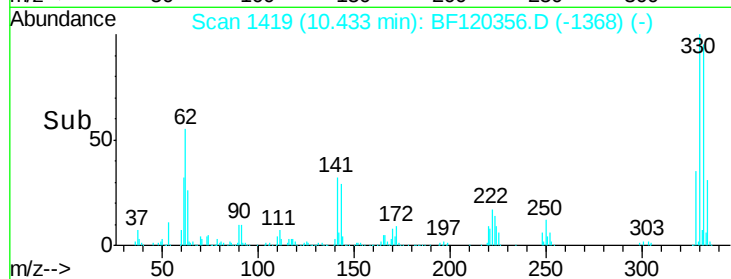
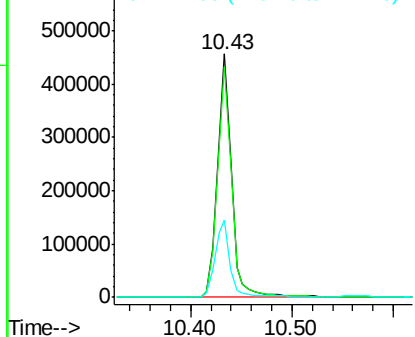
#42
 2,4,6-Tribromophenol
 Concen: 126.677 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.00 min
 Lab File: BF120356.D
 Acq: 18 May 2020 21:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.5	114.7
141	32.7	25.4	38.0

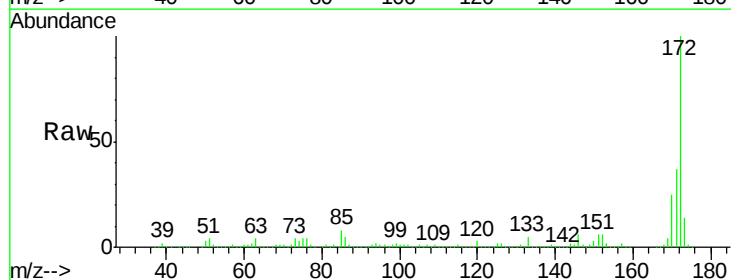


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

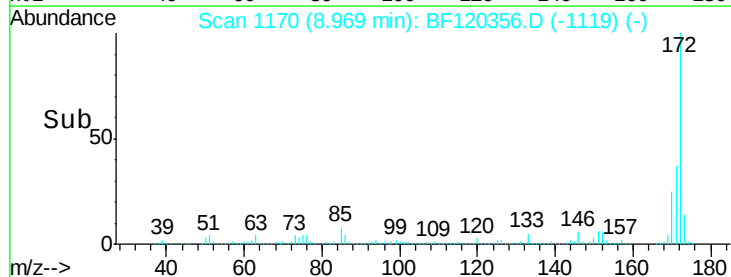
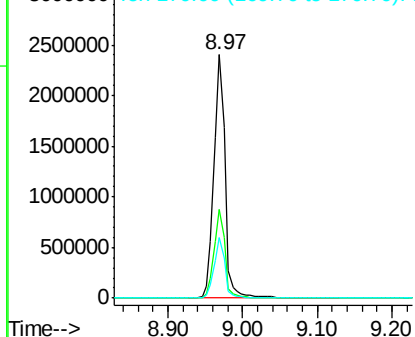


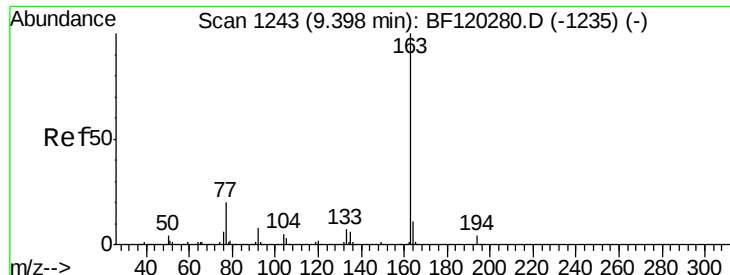
#45
 2-Fluorobiphenyl
 Concen: 118.468 ng
 RT: 8.97 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: BF120356.D
 Acq: 18 May 2020 21:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.9	19.9	29.9



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





#50

Dimethylphthalate

Concen: 14.935 ng

RT: 9.36 min Scan# 1237

Delta R.T. -0.02 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Instrument :

BNA_F

ClientSampleId :

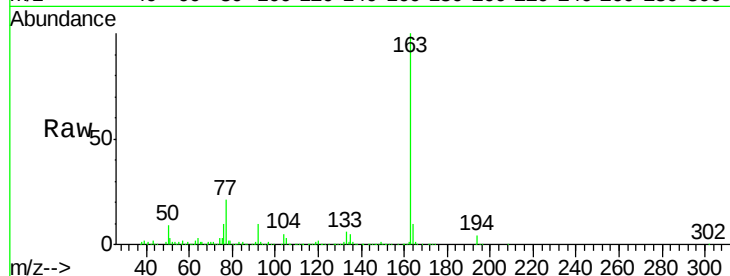
Tot Ion:163 Resp: 409405

Ion Ratio Lower Upper

163 100

194 3.9 3.1 4.7

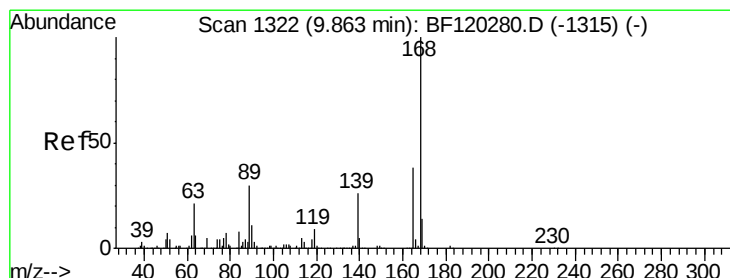
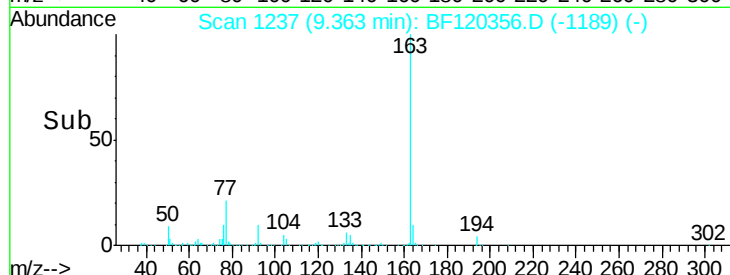
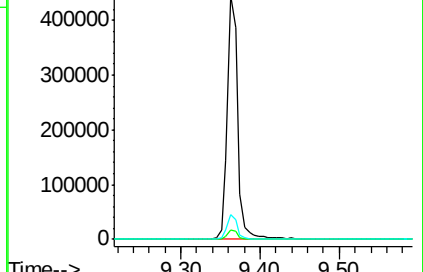
164 10.1 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 8.066 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.21 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Tgt Ion:165 Resp: 57893

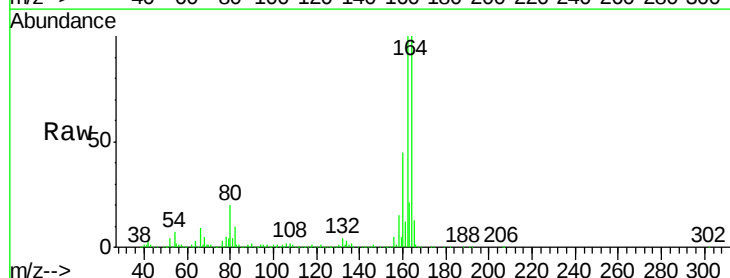
Ion Ratio Lower Upper

165 100

63 1.5 51.8 77.8#

89 1.1 64.2 96.4#

182 0.5 2.0 3.0#

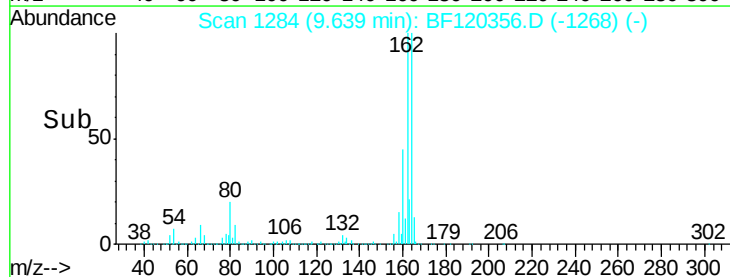
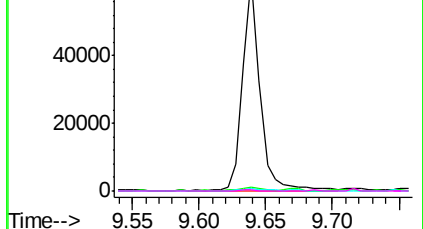


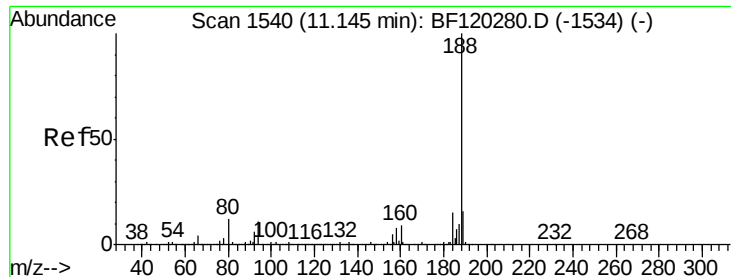
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

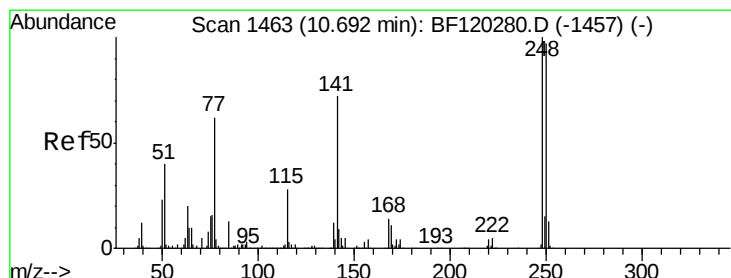
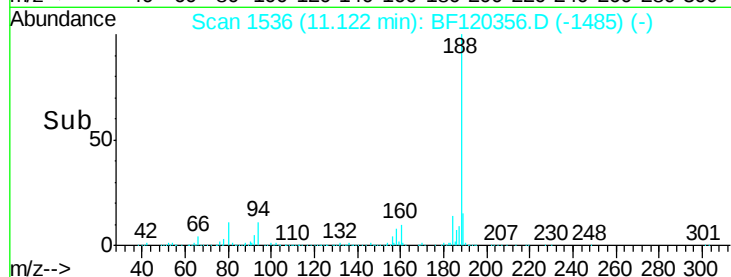
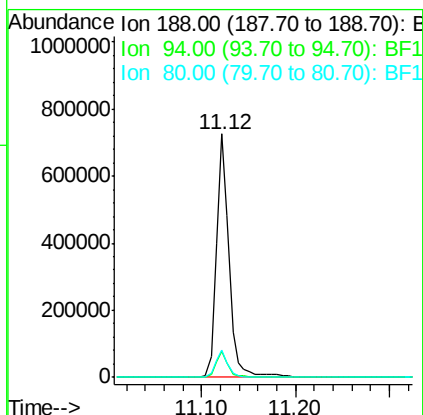
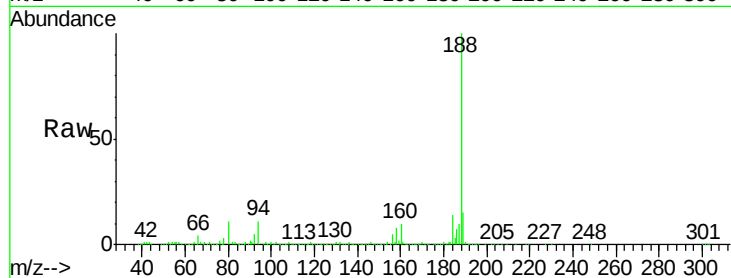




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.12 min Scan# 1536
 Delta R.T. -0.00 min
 Lab File: BF120356.D
 Acq: 18 May 2020 21:49

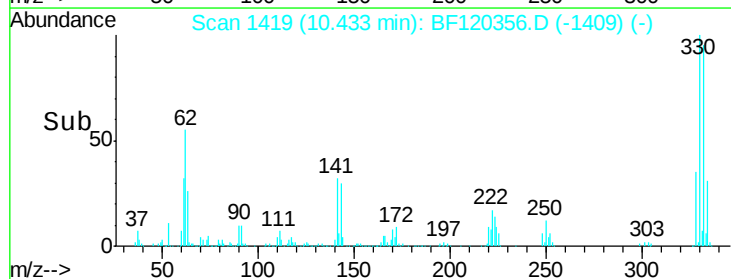
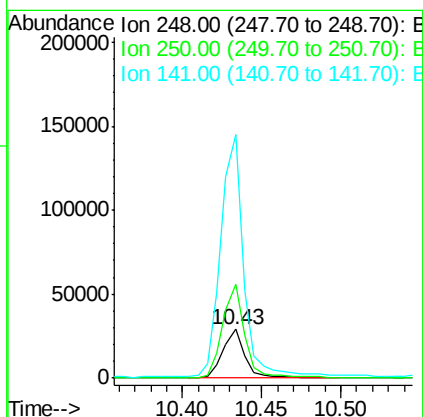
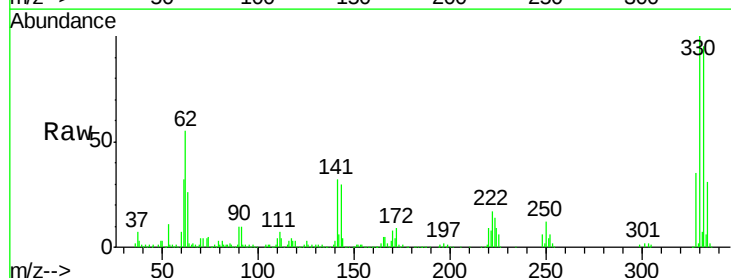
Instrument :
 BNA_F
 ClientSampleId :

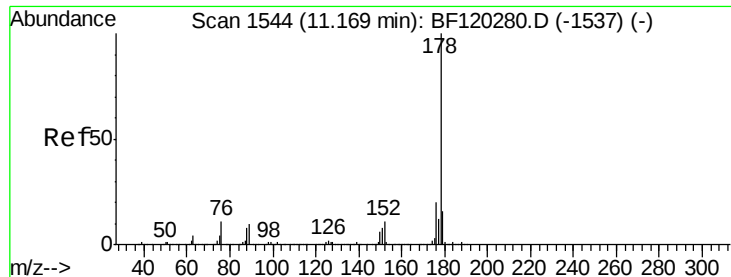
Tot Ion:188 Resp: 692139
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.6 13.0
 80 11.0 9.2 13.8



#67
 4-Bromophenyl-phenylether
 Concen: 4.184 ng
 RT: 10.43 min Scan# 1419
 Delta R.T. -0.24 min
 Lab File: BF120356.D
 Acq: 18 May 2020 21:49

Tgt Ion:248 Resp: 28102
 Ion Ratio Lower Upper
 248 100
 250 191.1 77.8 116.6#
 141 497.1 57.7 86.5#





#71

Phenanthrene

Concen: 2.181 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Instrument :

BNA_F

ClientSampleId :

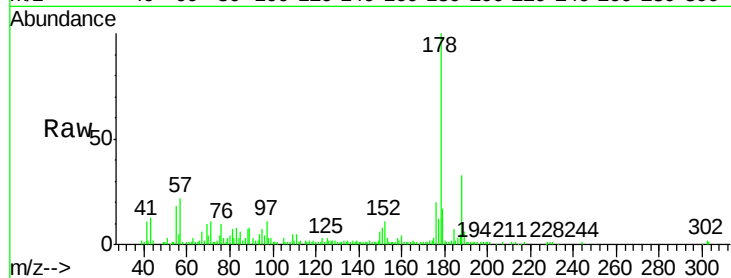
Tot Ion:178 Resp: 63421

Ion Ratio Lower Upper

178 100

176 19.7 15.8 23.8

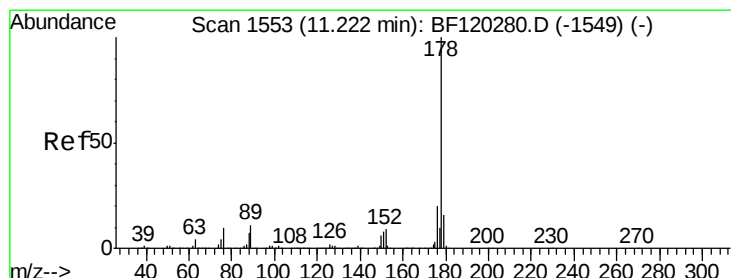
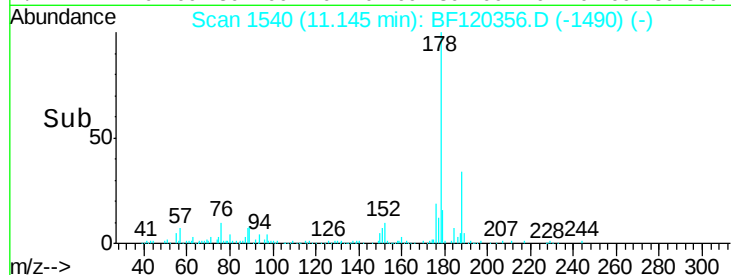
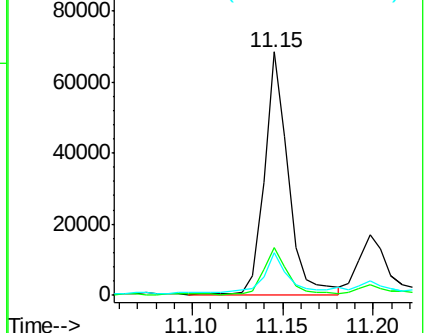
179 17.5 12.8 19.2



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



#72

Anthracene

Concen: 2.037 ng

RT: 11.15 min Scan# 1540

Delta R.T. -0.06 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

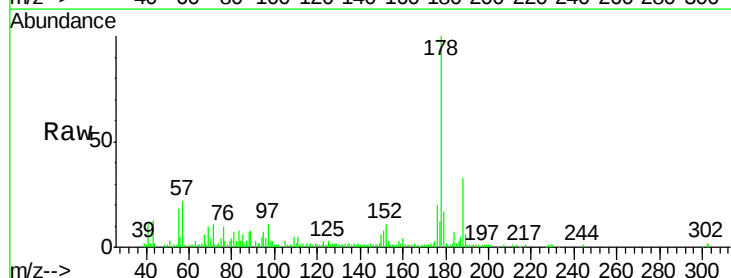
Tgt Ion:178 Resp: 63421

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

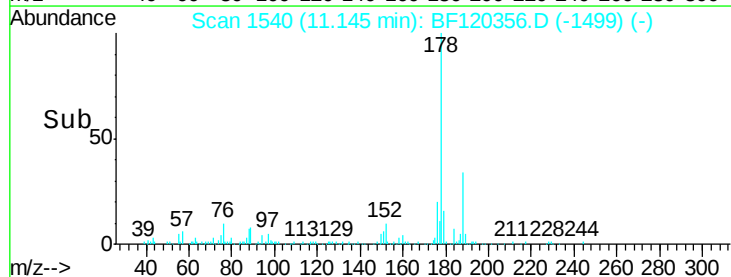
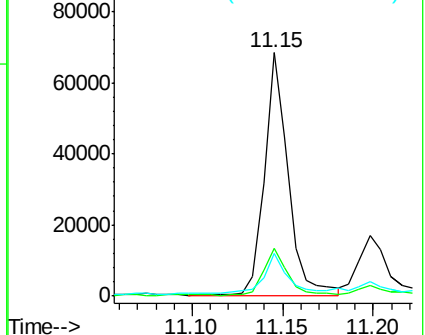
179 17.5 13.0 19.6

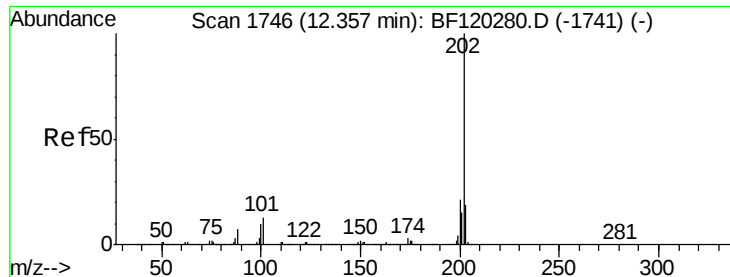


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 2.755 ng

RT: 12.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Instrument :

BNA_F

ClientSampleId :

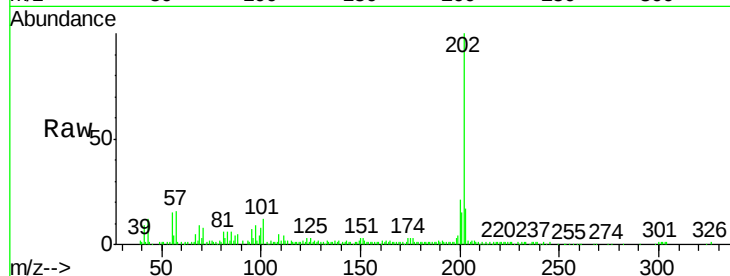
Tot Ion:202 Resp: 85871

Ion Ratio Lower Upper

202 100

101 11.7 0.0 33.2

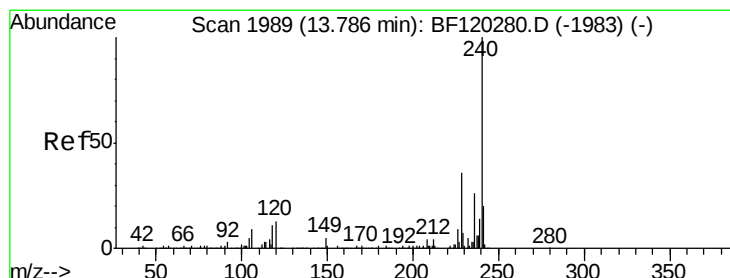
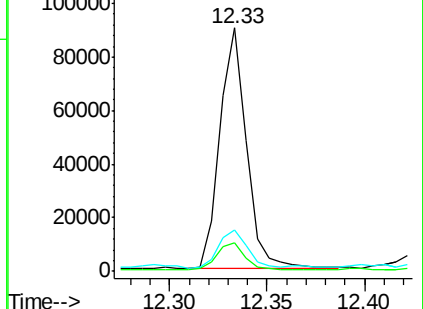
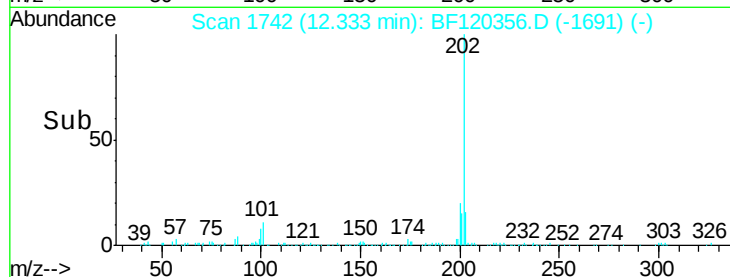
203 17.2 0.0 39.1



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: 13.76 min Scan# 1984

Delta R.T. -0.01 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

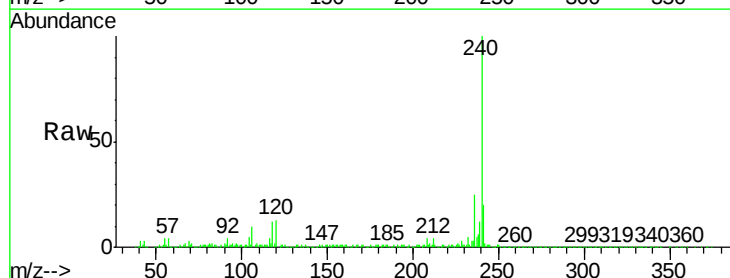
Tgt Ion:240 Resp: 528084

Ion Ratio Lower Upper

240 100

120 13.1 10.4 15.6

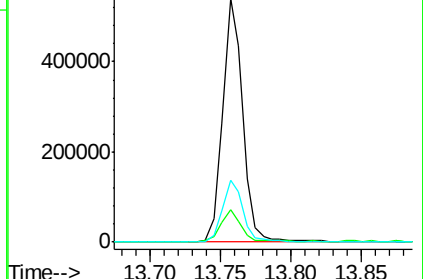
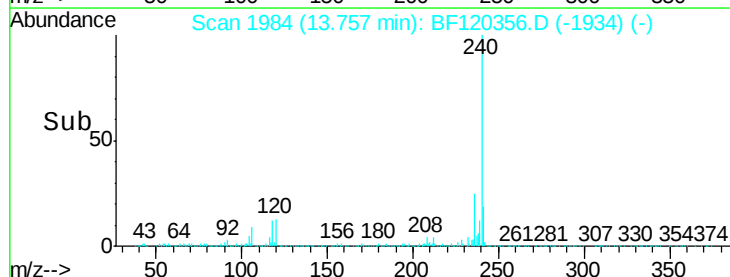
236 25.2 21.0 31.6

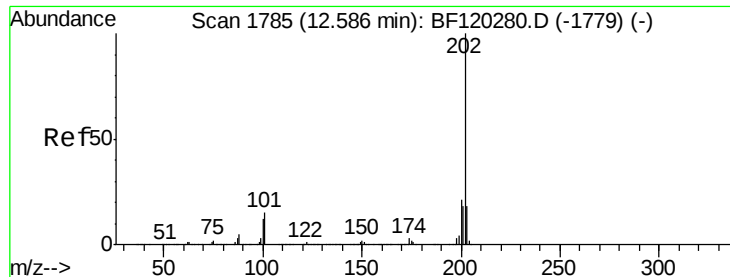


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

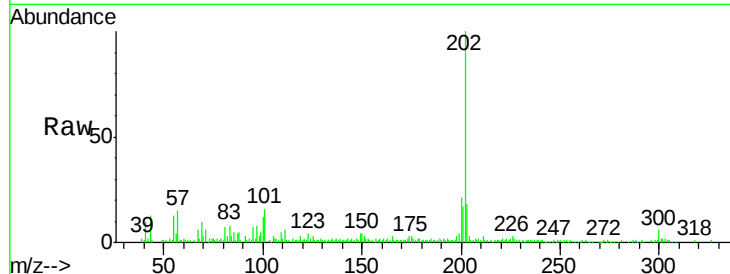




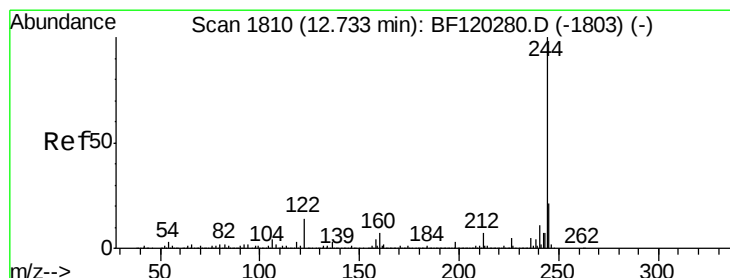
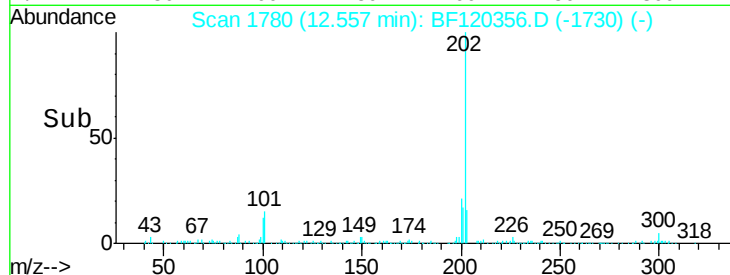
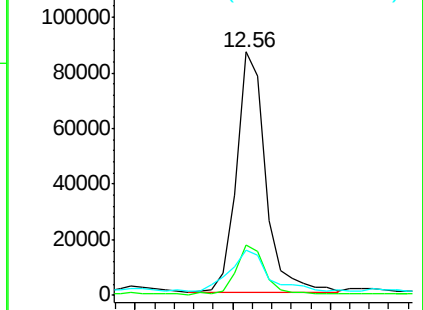
#78
Pvrene
Concen: 2.363 ng
RT: 12.56 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF120356.D
Acq: 18 May 2020 21:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	18.4	14.6	22.0

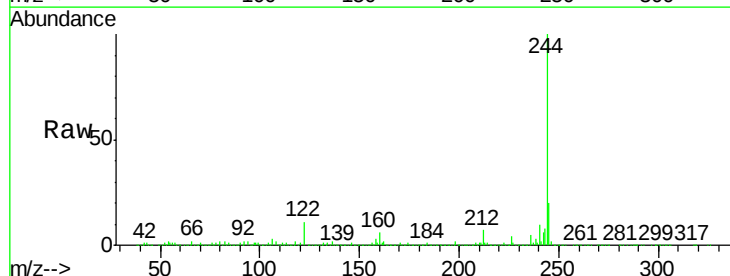


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

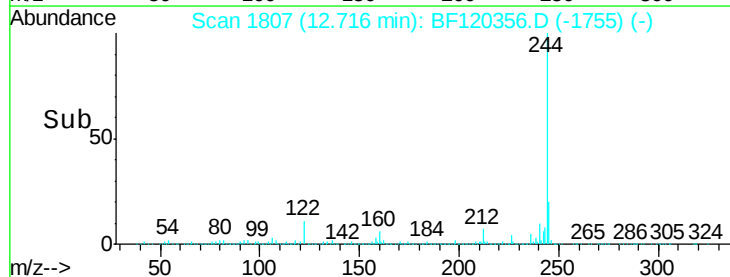
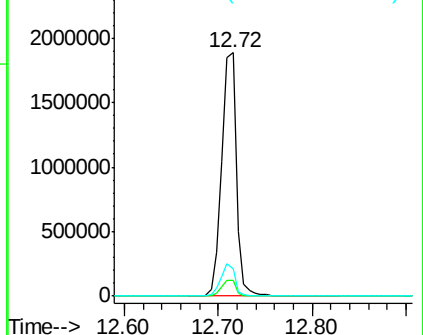


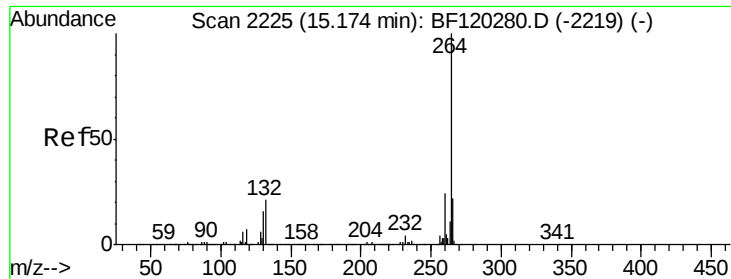
#79
Terphenyl-d14
Concen: 87.164 ng
RT: 12.72 min Scan# 1807
Delta R.T. 0.01 min
Lab File: BF120356.D
Acq: 18 May 2020 21:49

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.4	10.8	16.2



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

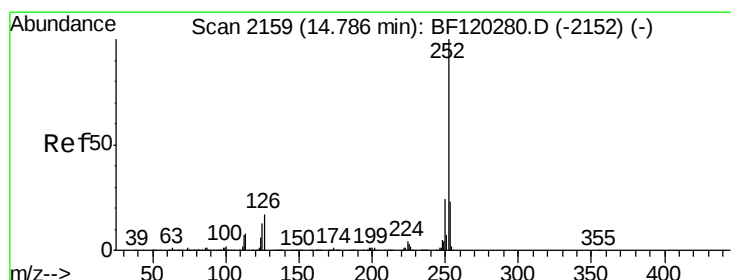
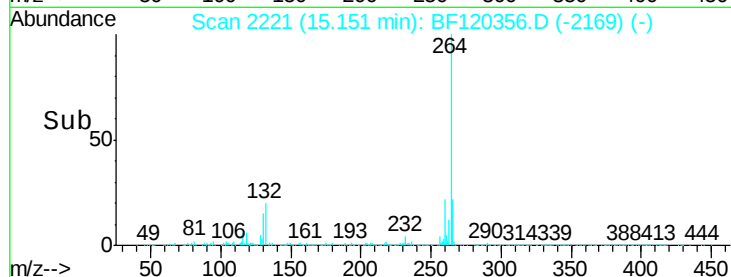
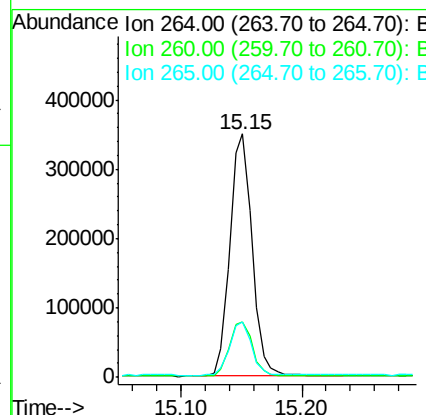
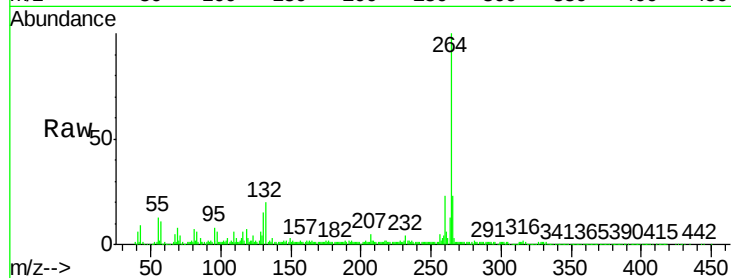




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF120356.D
Acq: 18 May 2020 21:49

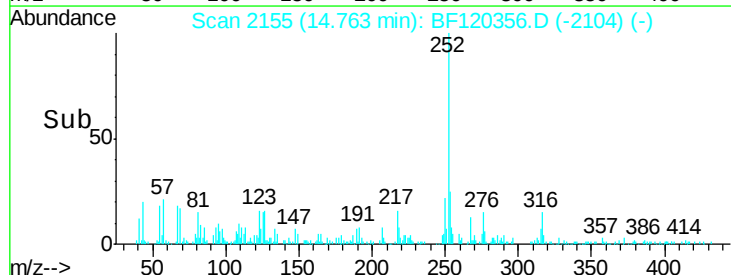
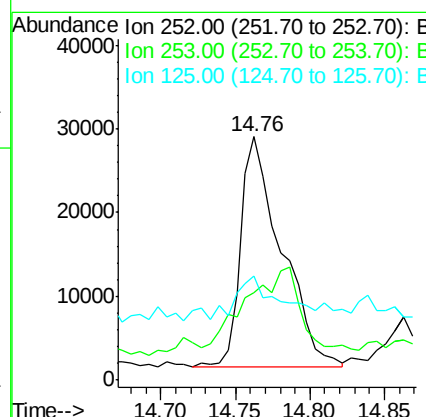
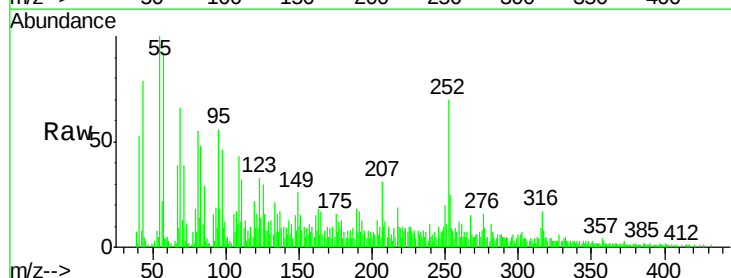
Instrument :
BNA_F
ClientSampleId :

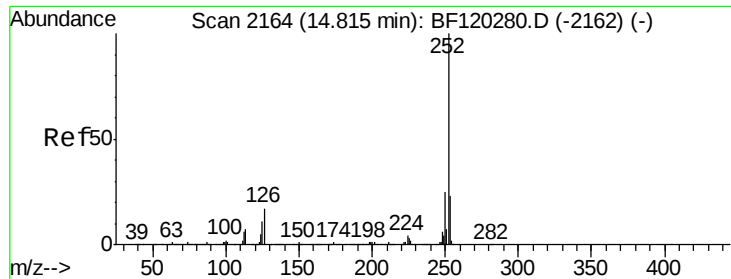
Tot Ion:264 Resp: 448285
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 22.6 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 2.130 ng
RT: 14.76 min Scan# 2155
Delta R.T. -0.00 min
Lab File: BF120356.D
Acq: 18 May 2020 21:49

Tgt Ion:252 Resp: 52152
Ion Ratio Lower Upper
252 100
253 36.0 18.1 27.1#
125 42.8 10.4 15.6#





#89

Benzo(k)fluoranthene

Concen: 2.459 ng

RT: 14.76 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BF120356.D

Acq: 18 May 2020 21:49

Instrument :

BNA_F

ClientSampleId :

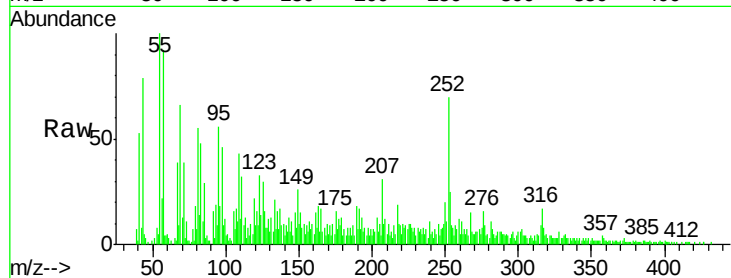
Tot Ion:252 Resp: 52152

Ion Ratio Lower Upper

252 100

253 36.0 18.2 27.2#

125 42.8 9.9 14.9#



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

