

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
 Data File : BF120385.D
 Acq On : 21 May 2020 17:09
 Operator : MA/SJ
 Sample : L2716-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 G4-CONCRETE

Quant Time: May 22 01:35:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 21 14:56:56 2020
 Response via : Initial Calibration

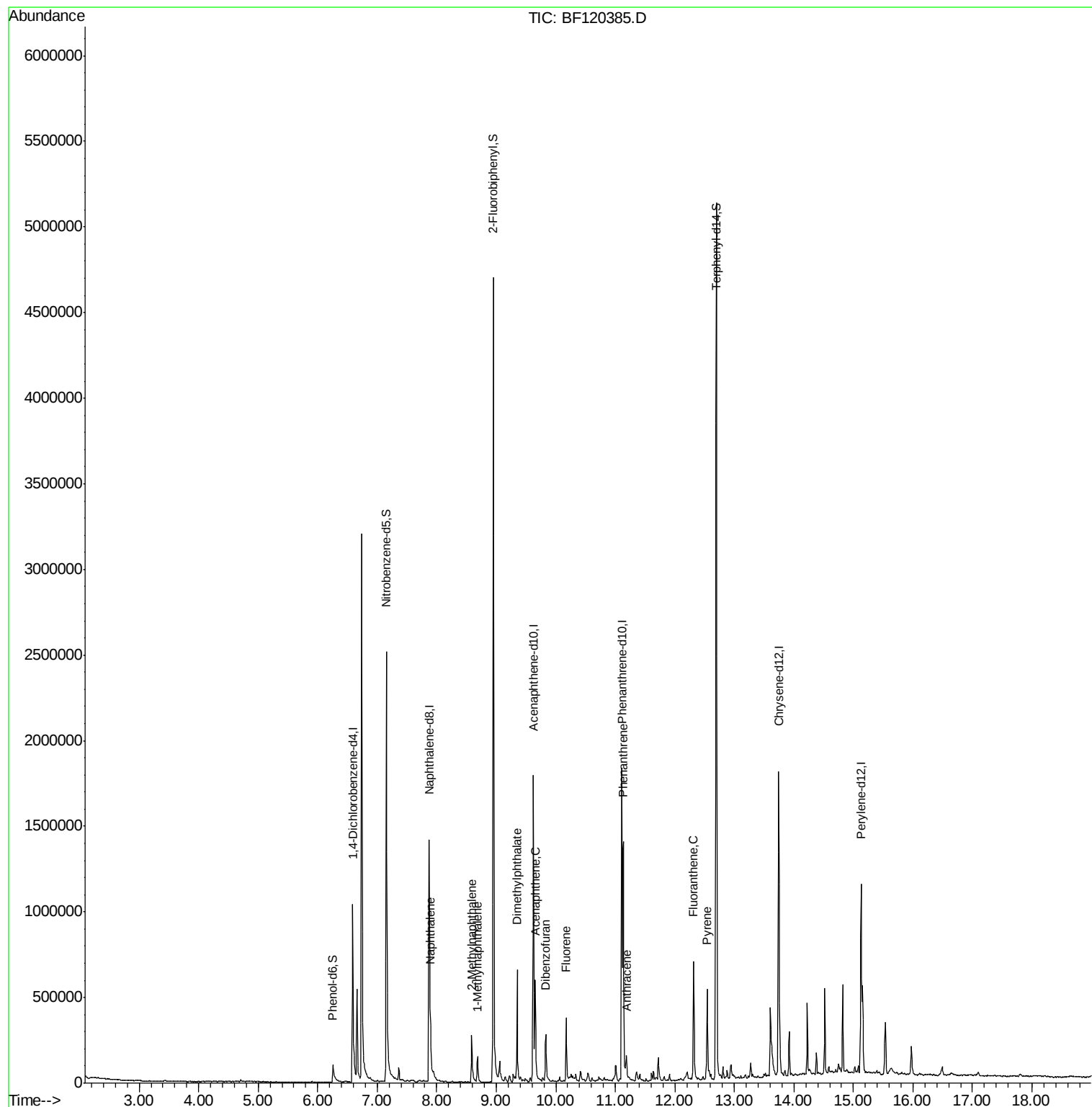
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.59	152	221518	20.00	ng	0.00
21) Naphthalene-d8	7.87	136	911758	20.00	ng	0.00
39) Acenaphthene-d10	9.62	164	439696	20.00	ng	0.00
64) Phenanthrene-d10	11.11	188	838052	20.00	ng	0.00
76) Chrysene-d12	13.74	240	644653	20.00	ng	0.00
87) Perylene-d12	15.13	264	542197	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	280	0.02	ng	0.11
7) Phenol-d6	6.26	99	89164	6.19	ng	0.00
23) Nitrobenzene-d5	7.16	82	1029998	77.35	ng	0.00
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	8.95	172	1752172	81.87	ng	0.00
79) Terphenyl-d14	12.70	244	1958213	67.11	ng	0.00
Target Compounds						
31) Naphthalene	7.89	128	167510	4.353	ng	97
37) 2-Methylnaphthalene	8.59	142	118553	4.502	ng	98
38) 1-Methylnaphthalene	8.69	142	59447	2.328	ng	97
50) Dimethylphthalate	9.35	163	300582	10.814	ng	98
52) Acenaphthene	9.66	154	151053	7.139	ng	100
55) Dibenzofuran	9.83	168	159558	5.236	ng	95
58) Fluorene	10.17	166	145482	6.269	ng	98
71) Phenanthrene	11.13	178	602185	17.100	ng	98
72) Anthracene	11.19	178	91966	2.439	ng	97
75) Fluoranthene	12.32	202	349230	9.252	ng	97
78) Pyrene	12.54	202	241957	5.265	ng	98

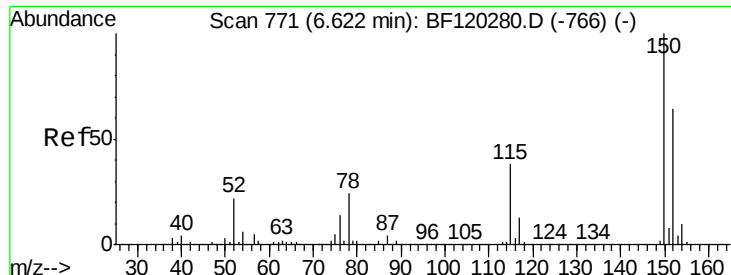
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052120\
Data File : BF120385.D
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Sample : L2716-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

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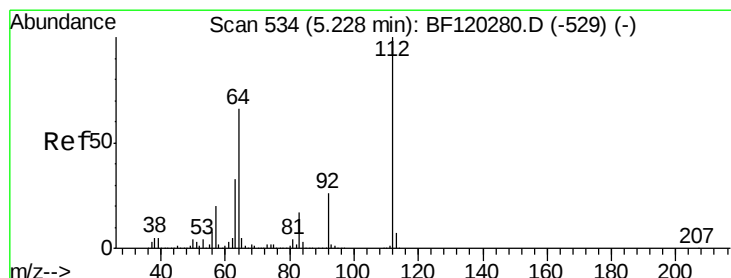
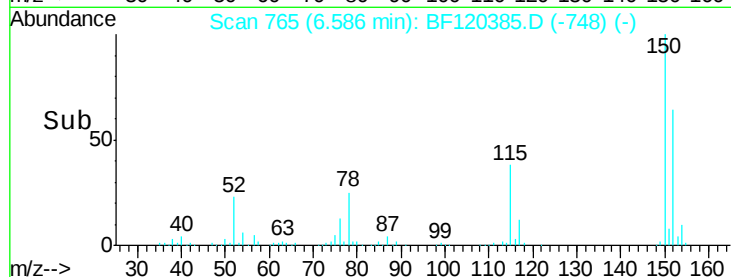
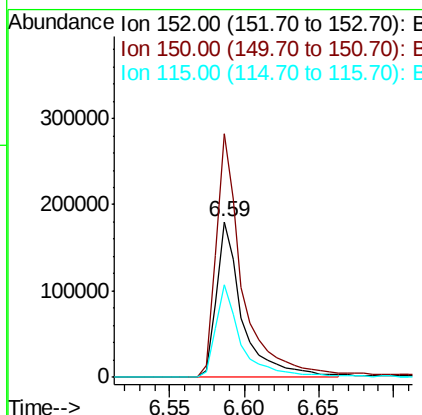
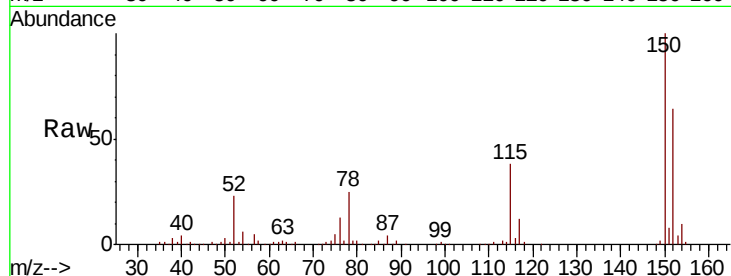


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.00 min
Lab File: BF120385.D
Acq: 21 May 2020 17:09

Instrument :
BNA_F
ClientSampleId :
G4-CONCRETE

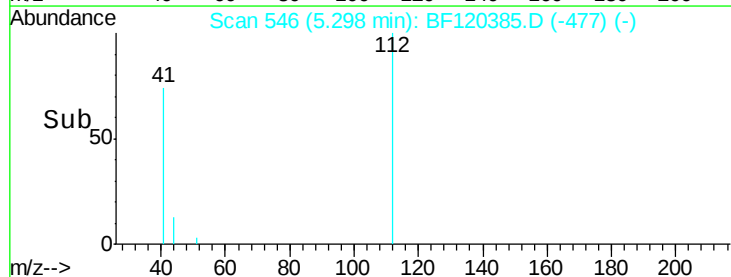
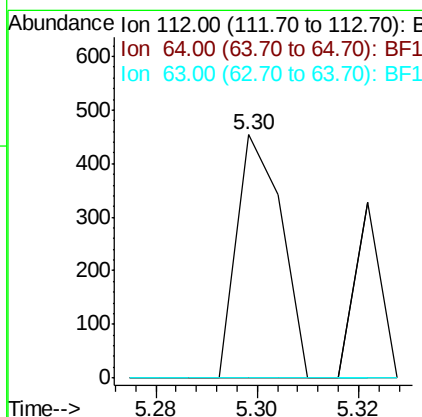
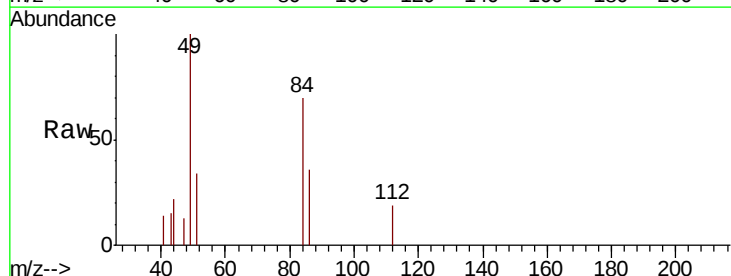
Tot Ion:152 Resp: 221518
Ion Ratio Lower Upper
152 100
150 156.3 126.2 189.2
115 59.8 47.9 71.9

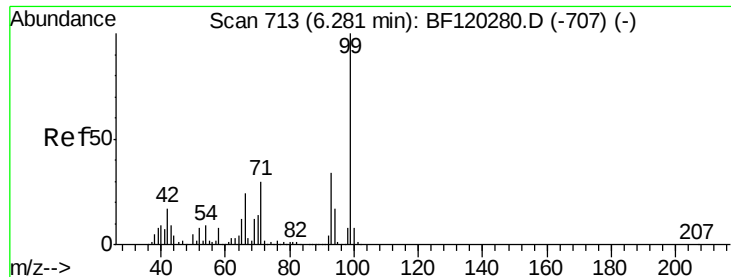


#5

2-Fluorophenol
Concen: 0.025 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.11 min
Lab File: BF120385.D
Acq: 21 May 2020 17:09

Tgt Ion:112 Resp: 280
Ion Ratio Lower Upper
112 100
64 0.0 52.7 79.1#
63 0.0 26.2 39.4#





#7

Phenol-d6

Concen: 6.193 ng

RT: 6.26 min Scan# 709

Delta R.T. 0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Instrument :

BNA_F

ClientSampleId :

G4-CONCRETE

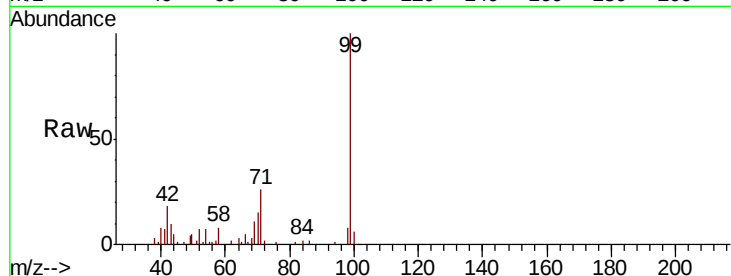
Tot Ion: 99 Resp: 89164

Ion Ratio Lower Upper

99 100

42 17.7 13.6 20.4

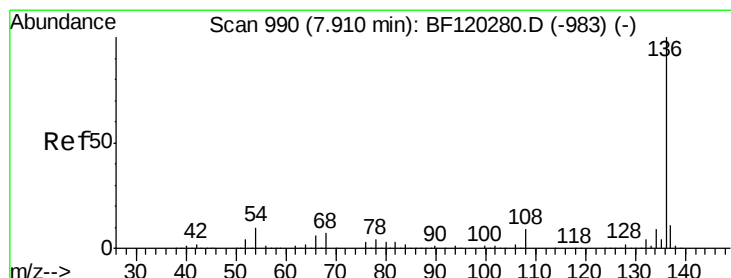
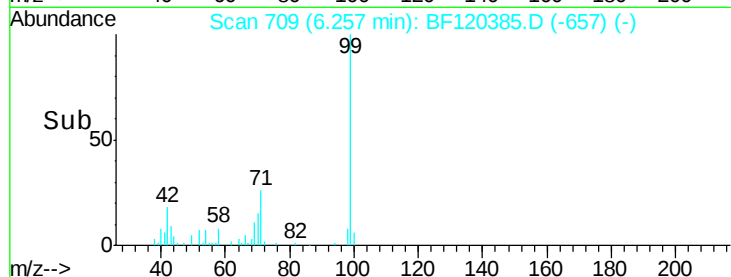
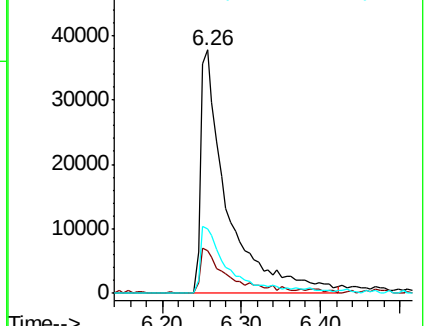
71 26.2 24.2 36.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.00 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Tgt Ion: 136 Resp: 911758

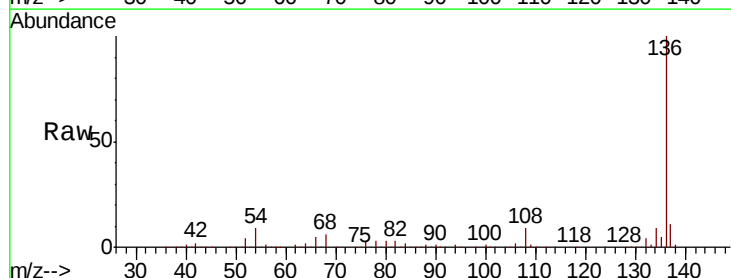
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 9.2 7.9 11.9

68 6.0 5.4 8.2

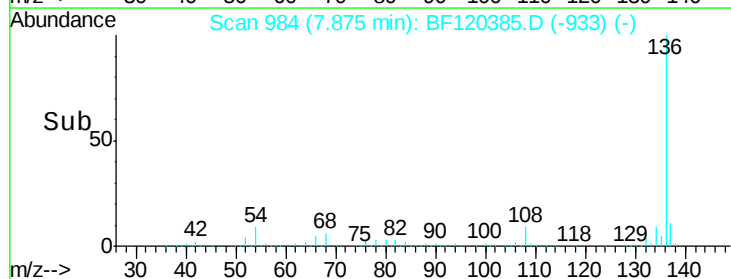
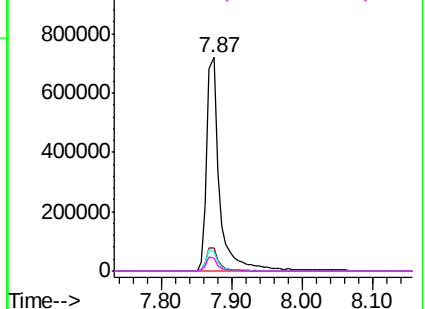


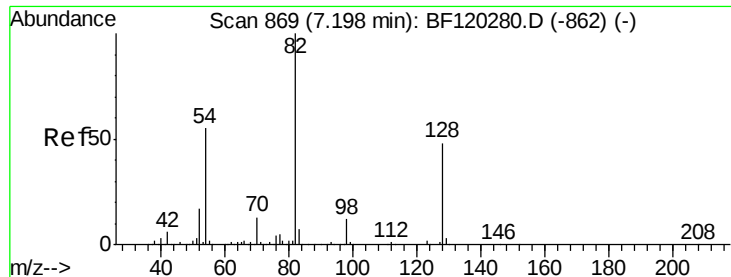
Abundance Ion 136.00 (135.70 to 136.70): E

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: 77.345 ng

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Instrument :

BNA_F

ClientSampleId :

G4-CONCRETE

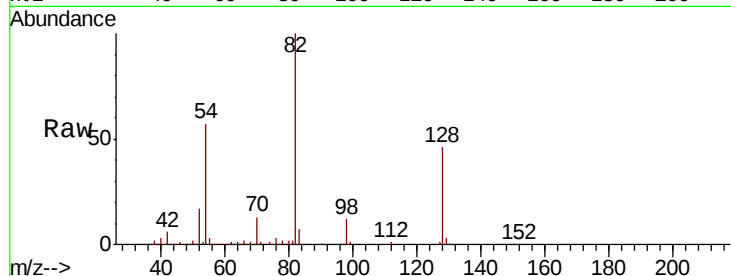
Tot Ion: 82 Resp: 1029998

Ion Ratio Lower Upper

82 100

128 46.1 38.3 57.5

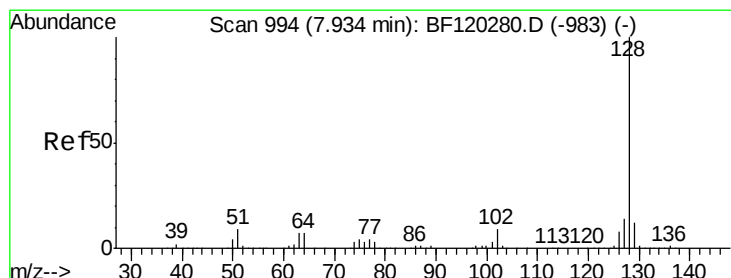
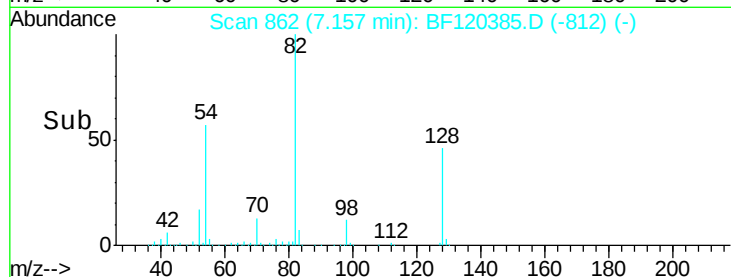
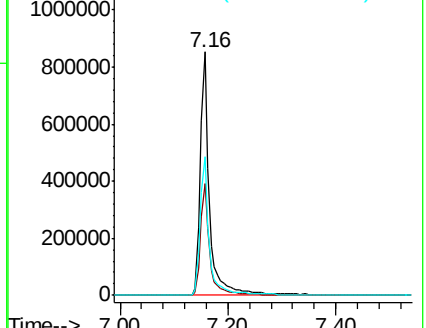
54 56.9 43.9 65.9



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31

Naphthalene

Concen: 4.353 ng

RT: 7.89 min Scan# 987

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

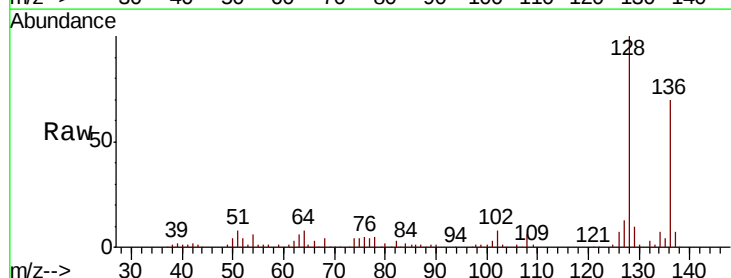
Tgt Ion: 128 Resp: 167510

Ion Ratio Lower Upper

128 100

129 10.1 9.3 13.9

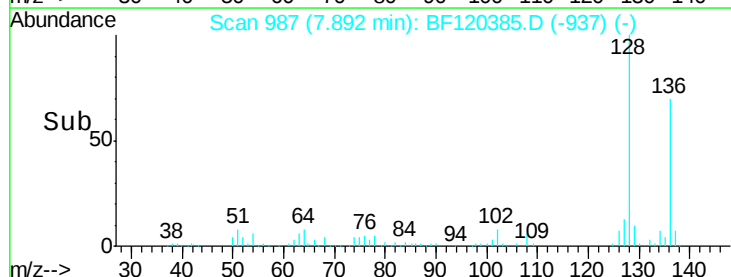
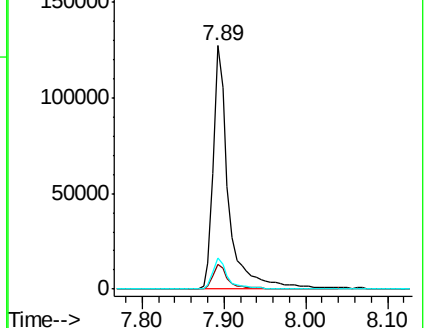
127 13.0 11.2 16.8

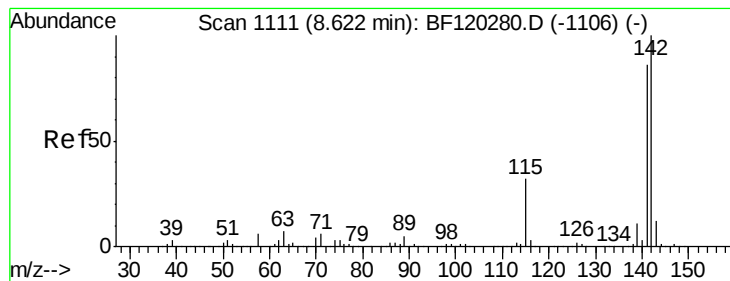


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 4.502 ng

RT: 8.59 min Scan# 1106

Delta R.T. -0.00 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Instrument :

BNA_F

ClientSampleId :

G4-CONCRETE

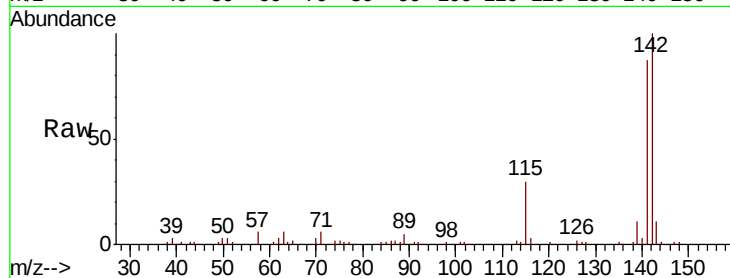
Tot Ion:142 Resp: 118553

Ion Ratio Lower Upper

142 100

141 87.1 68.8 103.2

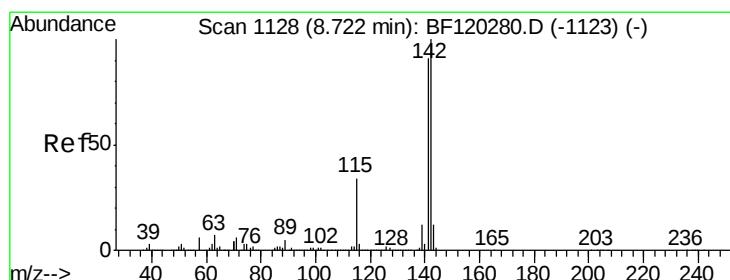
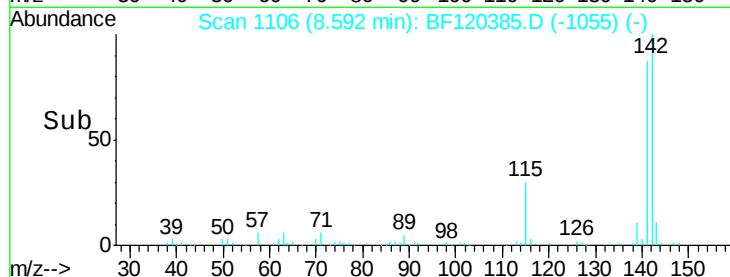
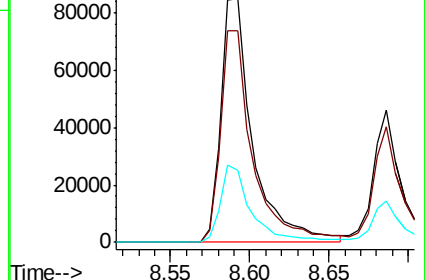
115 29.8 25.7 38.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 2.328 ng

RT: 8.69 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

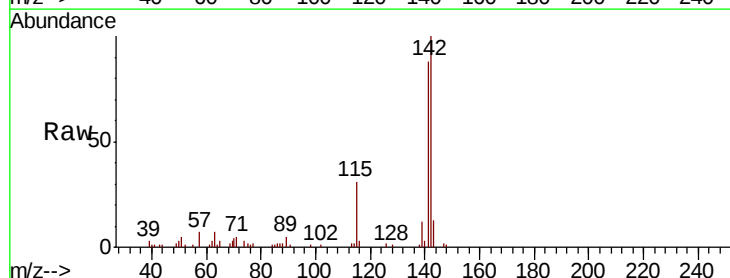
Tgt Ion:142 Resp: 59447

Ion Ratio Lower Upper

142 100

141 88.1 73.0 109.6

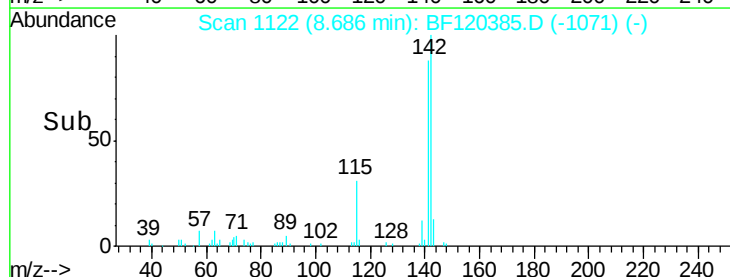
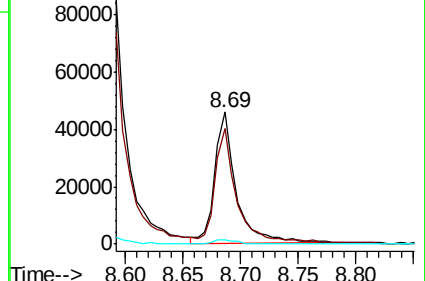
116 3.3 2.7 4.1

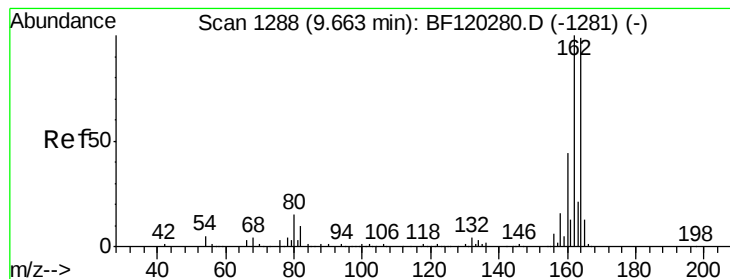


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Instrument :

BNA_F

ClientSampleId :

G4-CONCRETE

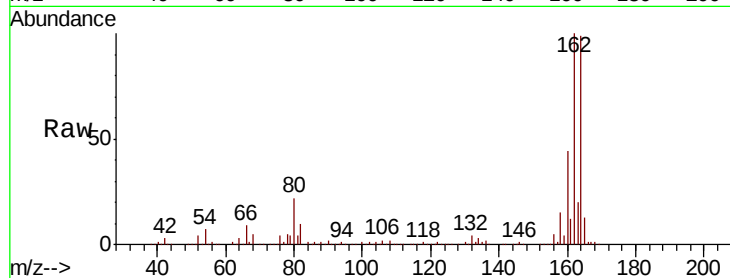
Tot Ion:164 Resp: 439696

Ion Ratio Lower Upper

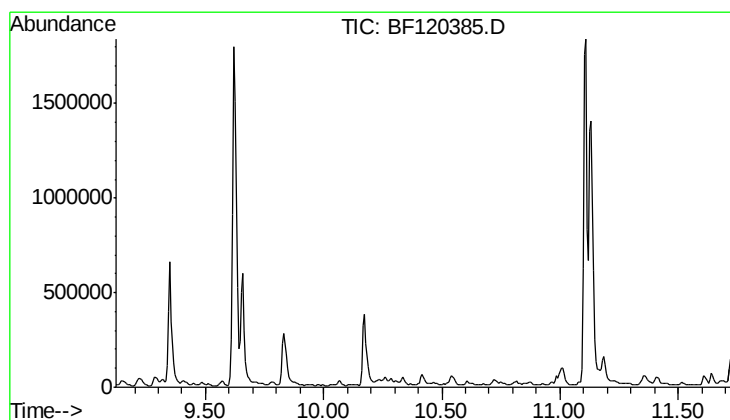
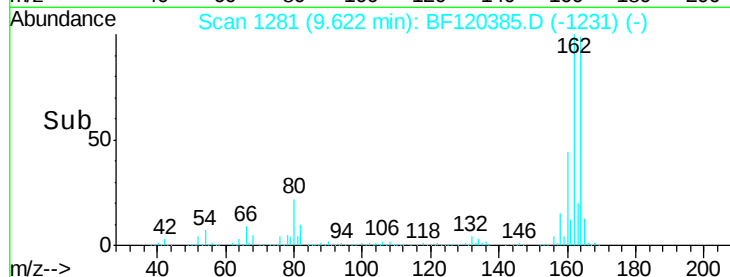
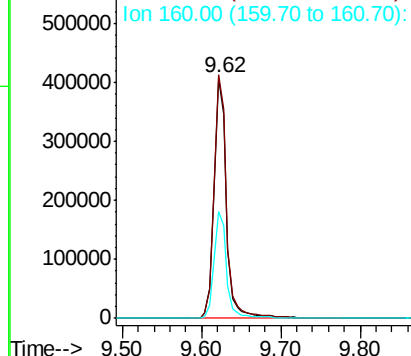
164 100

162 101.4 81.2 121.8

160 44.7 35.8 53.6



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: 0.000 ng

Expected RT: 10.42 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

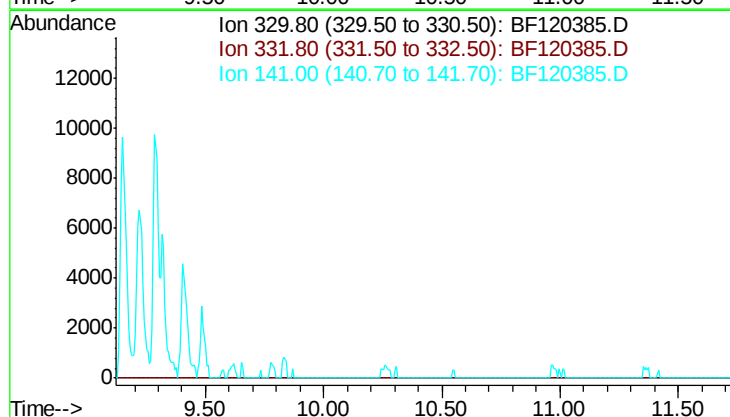
Tgt Ion: 330

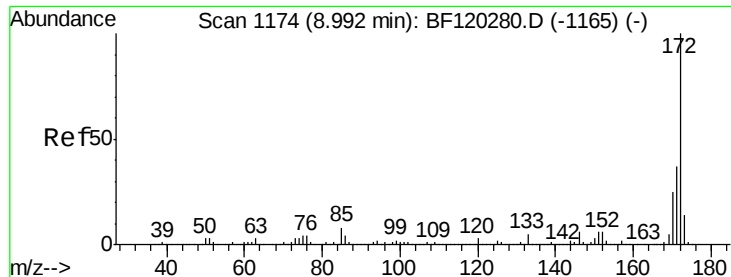
Sig Exp Ratio

330 100

332 95.6

141 31.7

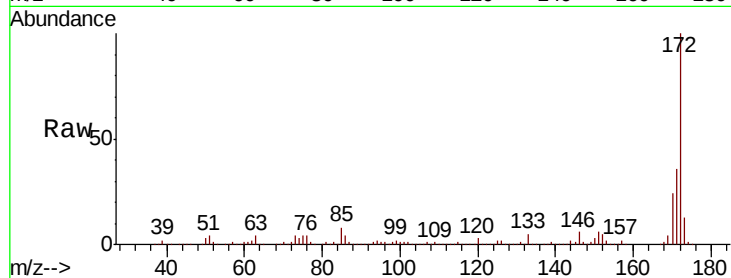




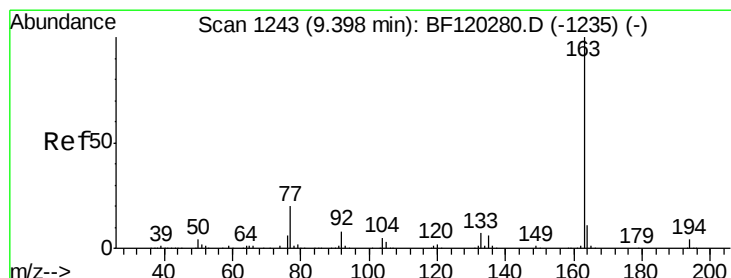
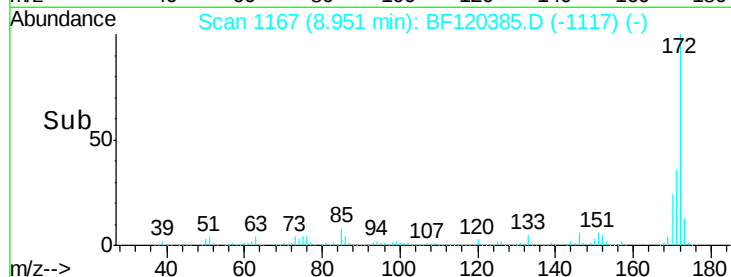
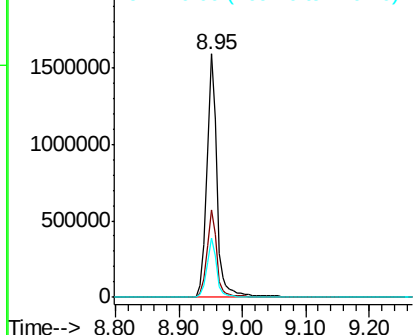
#45
 2-Fluorobiphenyl
 Concen: 81.870 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. -0.01 min
 Lab File: BF120385.D
 Acq: 21 May 2020 17:09

Instrument :
 BNA_F
 ClientSampleId :
 G4-CONCRETE

Tot Ion:172 Resp: 1752172
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.4 19.9 29.9

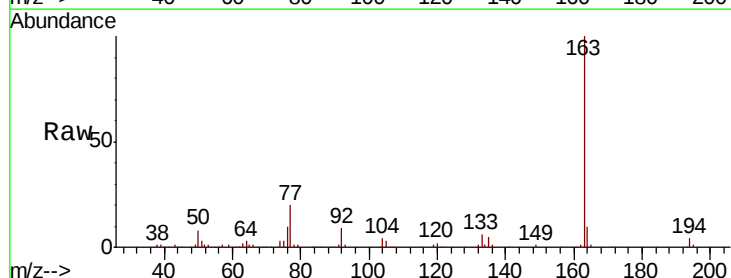


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

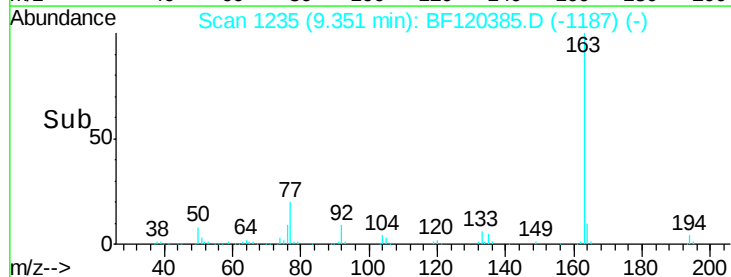
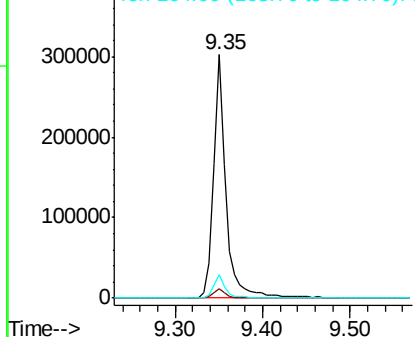


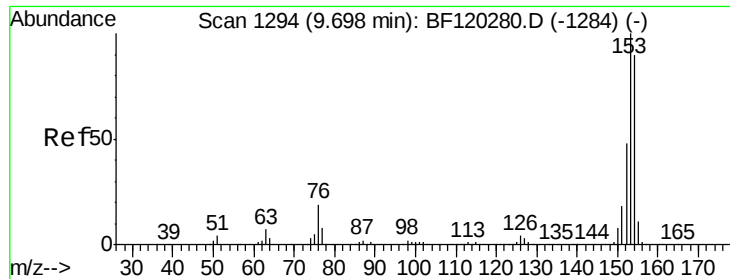
#50
 Dimethylphthalate
 Concen: 10.814 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.02 min
 Lab File: BF120385.D
 Acq: 21 May 2020 17:09

Tgt Ion:163 Resp: 300582
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.1 4.7
 164 9.9 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





#52

Acenaphthene

Concen: 7.139 ng

RT: 9.66 min Scan# 1287

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Instrument :

BNA_F

ClientSampleId :

G4-CONCRETE

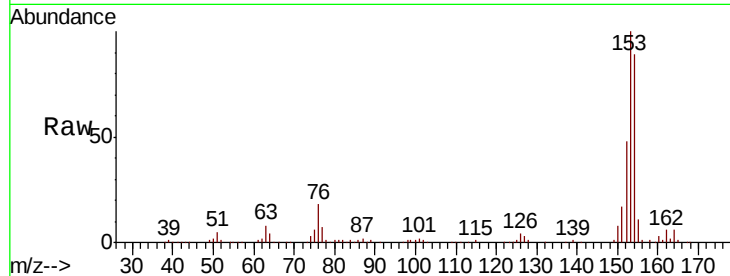
Tot Ion:154 Resp: 151053

Ion Ratio Lower Upper

154 100

153 111.9 89.0 133.4

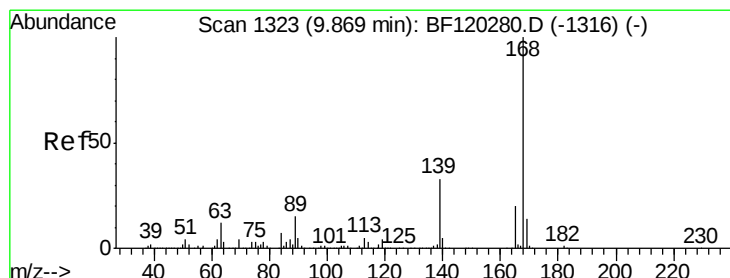
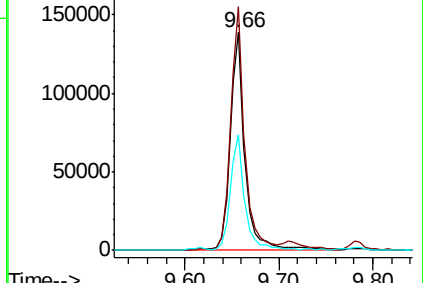
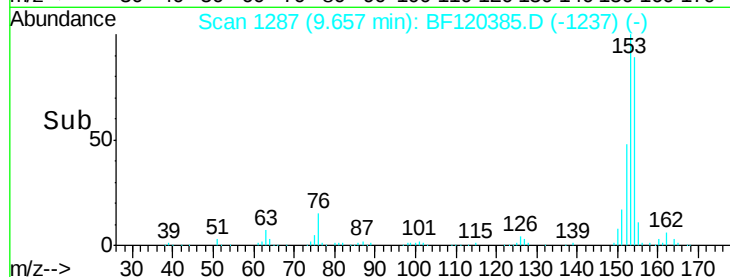
152 53.4 42.6 64.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 5.236 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

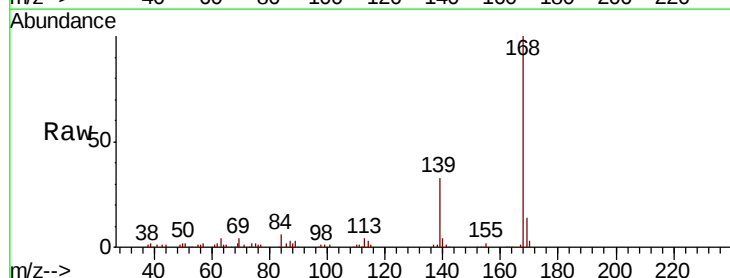
Tgt Ion:168 Resp: 159558

Ion Ratio Lower Upper

168 100

139 33.3 29.8 44.6

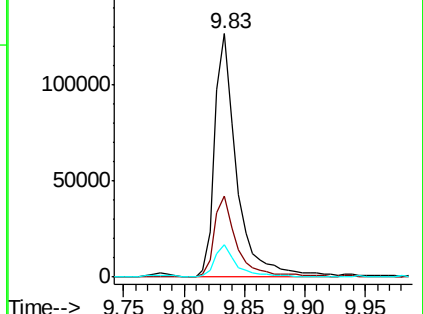
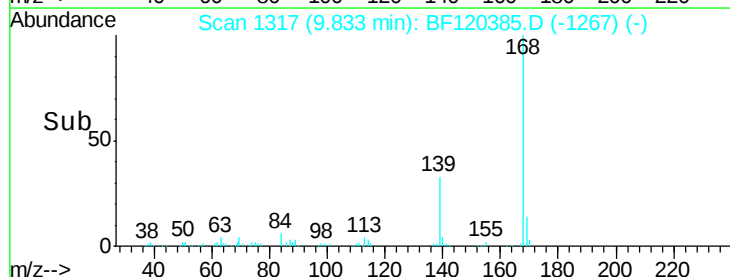
169 13.5 11.0 16.6

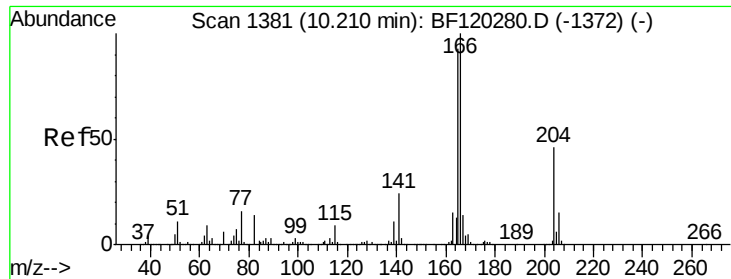


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#58

Fluorene

Concen: 6.269 ng

RT: 10.17 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Instrument :

BNA_F

ClientSampleId :

G4-CONCRETE

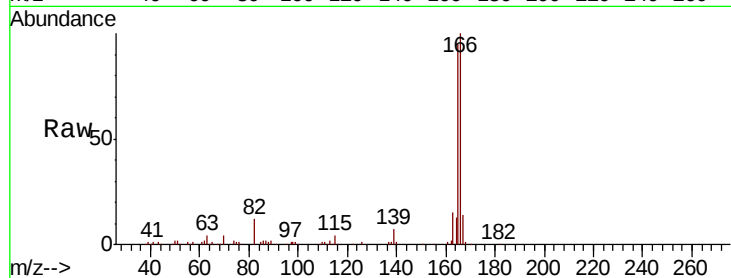
Tot Ion:166 Resp: 145482

Ion Ratio Lower Upper

166 100

165 95.5 74.7 112.1

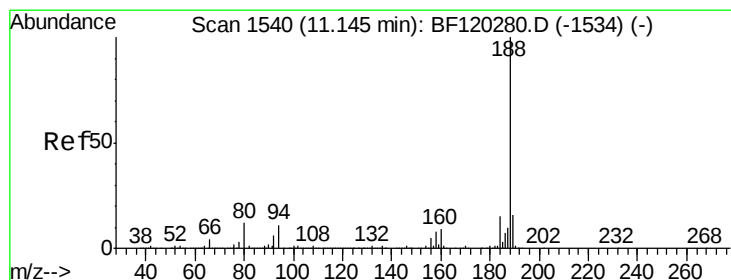
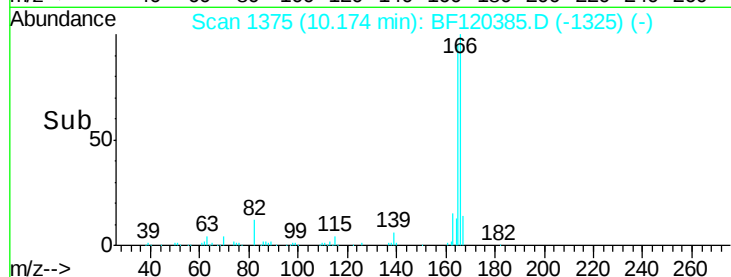
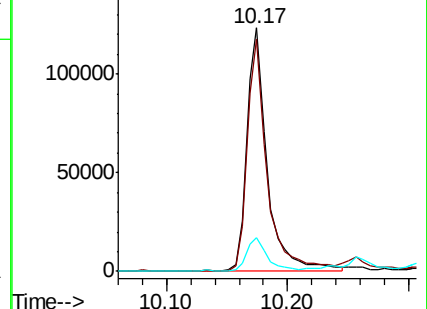
167 14.0 11.4 17.0



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.11 min Scan# 1534

Delta R.T. -0.00 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

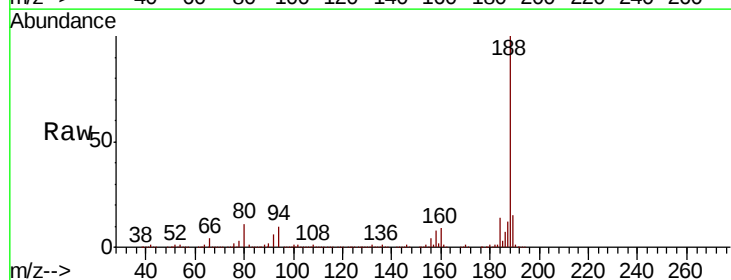
Tgt Ion:188 Resp: 838052

Ion Ratio Lower Upper

188 100

94 10.1 8.6 13.0

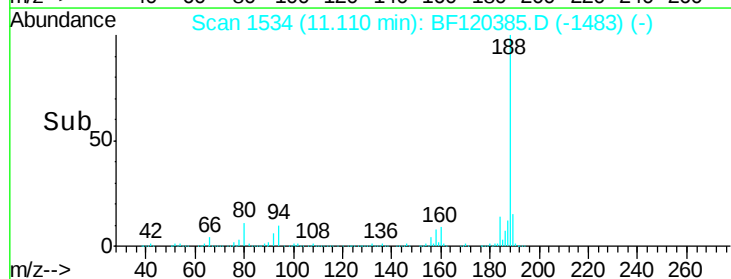
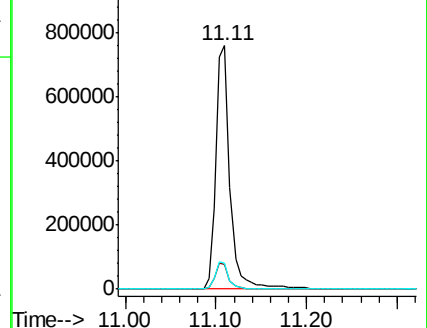
80 10.7 9.2 13.8

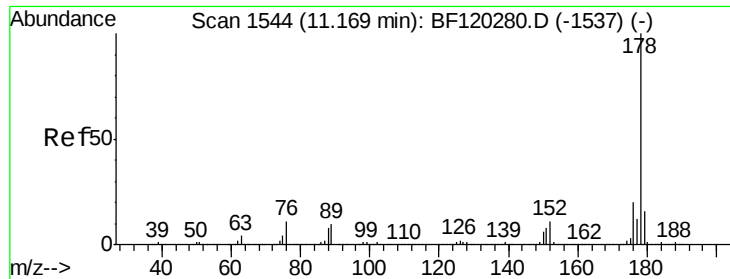


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

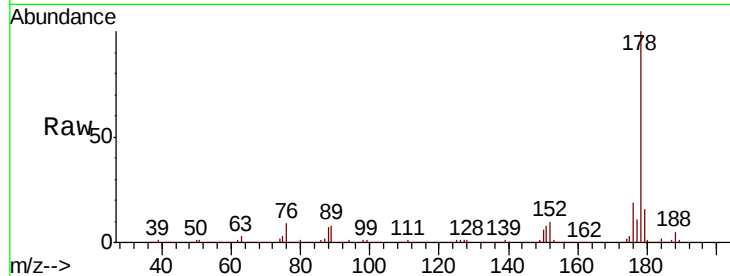




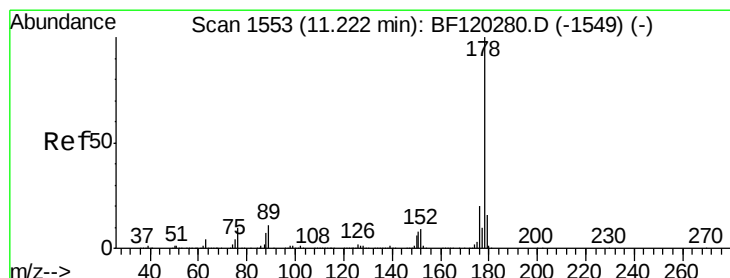
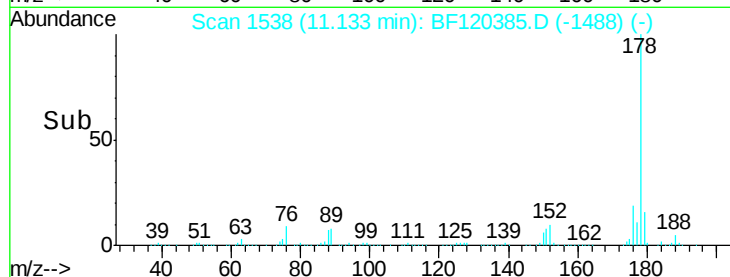
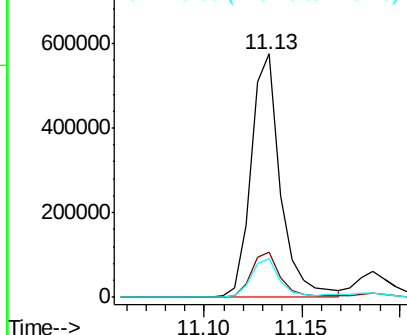
#71
Phenanthrene
Concen: 17.100 ng
RT: 11.13 min Scan# 1538
Delta R.T. -0.01 min
Lab File: BF120385.D
Acq: 21 May 2020 17:09

Instrument :
BNA_F
ClientSampleId :
G4-CONCRETE

Tot Ion:178 Resp: 602185
Ion Ratio Lower Upper
178 100
176 18.6 15.8 23.8
179 15.7 12.8 19.2

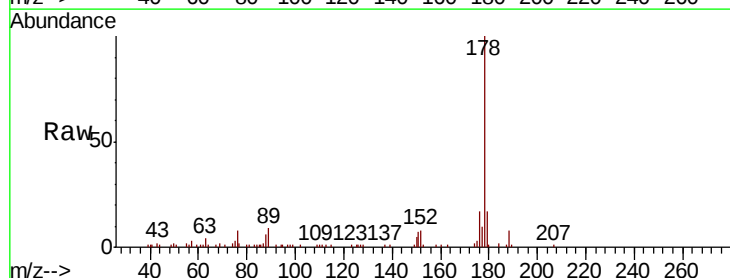


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

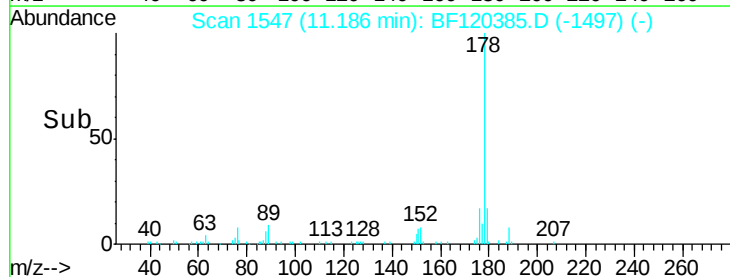
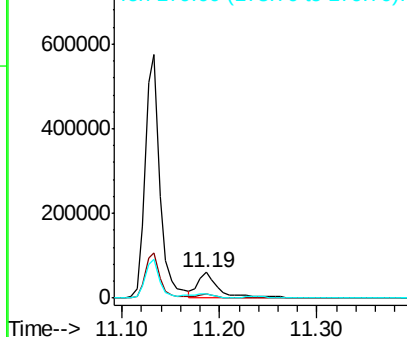


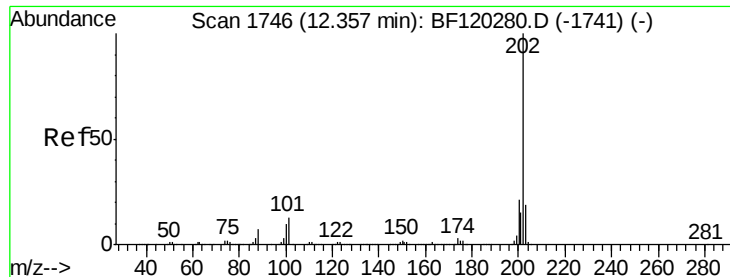
#72
Anthracene
Concen: 2.439 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.01 min
Lab File: BF120385.D
Acq: 21 May 2020 17:09

Tgt Ion:178 Resp: 91966
Ion Ratio Lower Upper
178 100
176 17.5 15.7 23.5
179 17.1 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: 9.252 ng

RT: 12.32 min Scan# 1739

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Instrument :

BNA_F

ClientSampleId :

G4-CONCRETE

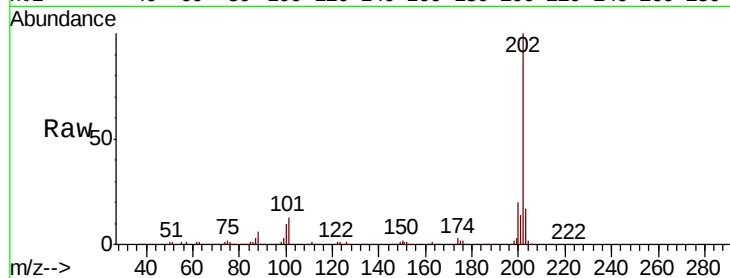
Tot Ion:202 Resp: 349230

Ion Ratio Lower Upper

202 100

101 12.6 0.0 33.2

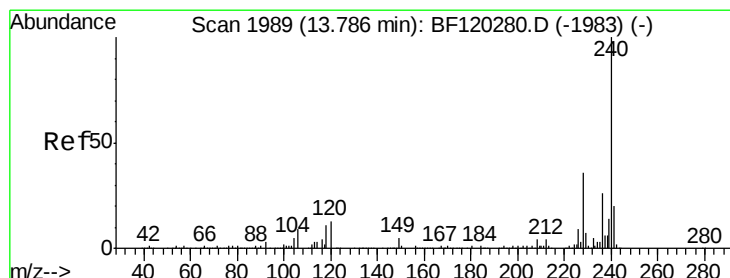
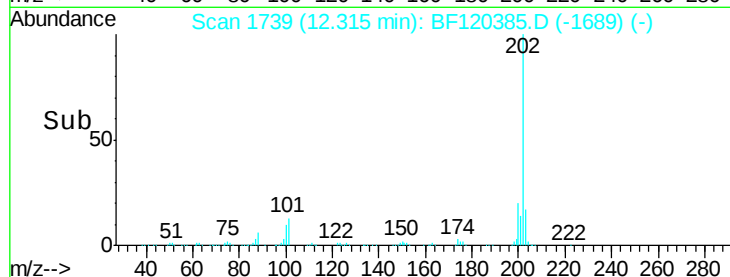
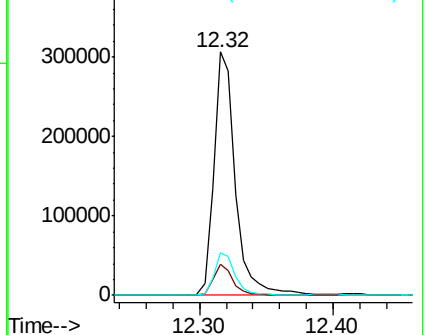
203 17.5 0.0 39.1



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: 13.74 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

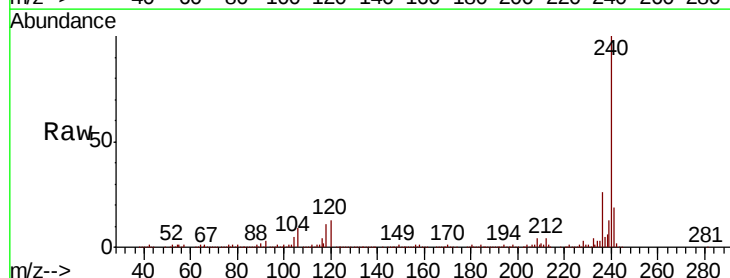
Tgt Ion:240 Resp: 644653

Ion Ratio Lower Upper

240 100

120 12.6 10.4 15.6

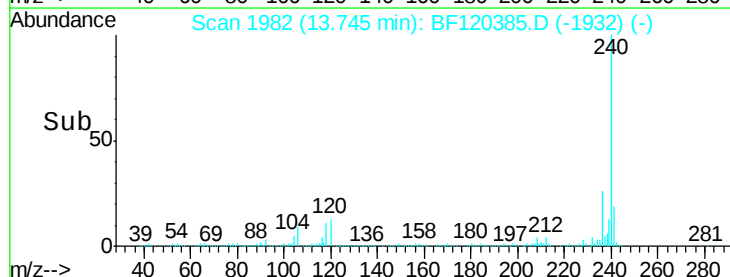
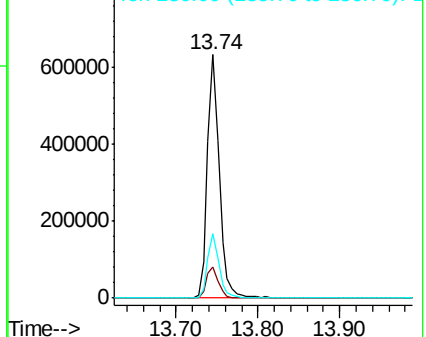
236 26.3 21.0 31.6

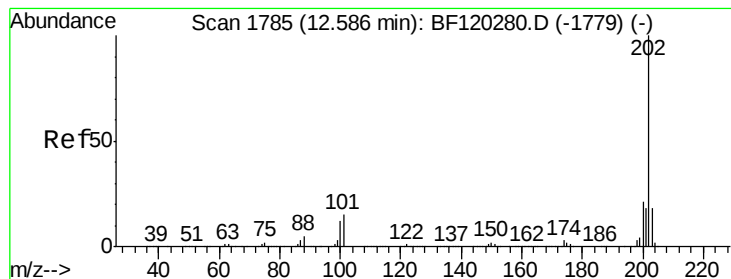


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 5.265 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

Instrument :

BNA_F

ClientSampleId :

G4-CONCRETE

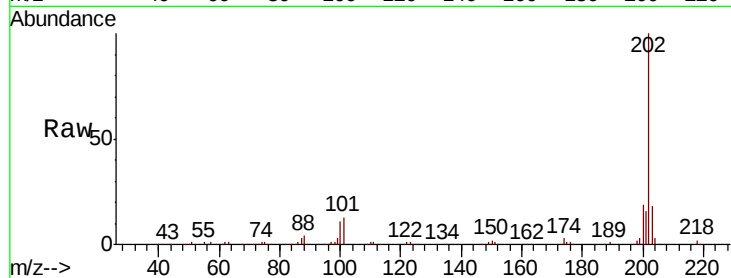
Tot Ion:202 Resp: 241957

Ion Ratio Lower Upper

202 100

200 19.4 16.6 25.0

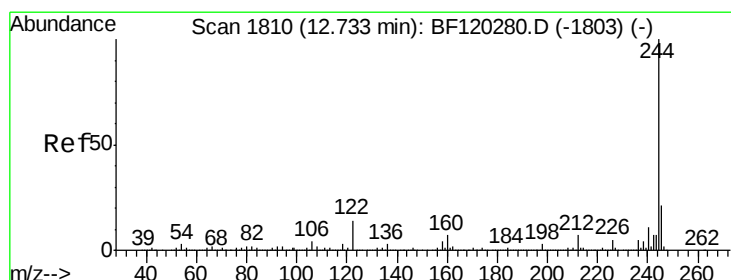
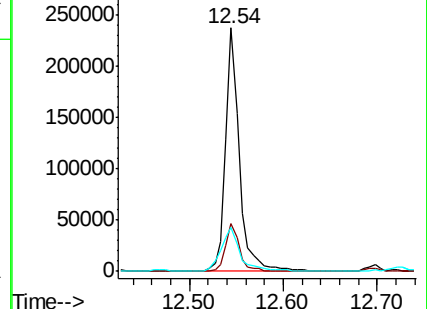
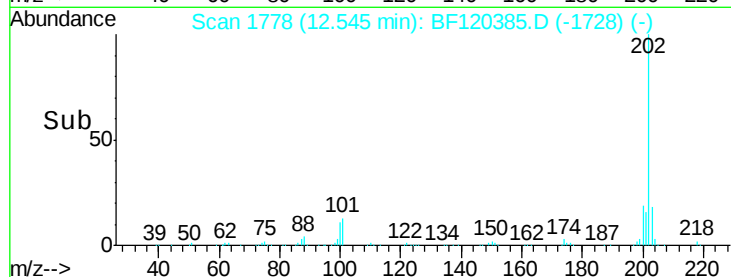
203 18.3 14.6 22.0



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: 67.108 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF120385.D

Acq: 21 May 2020 17:09

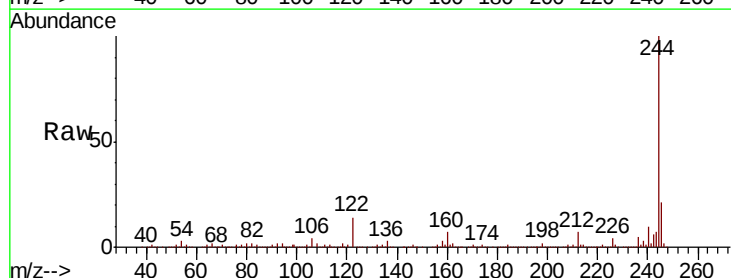
Tgt Ion:244 Resp: 1958213

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.6

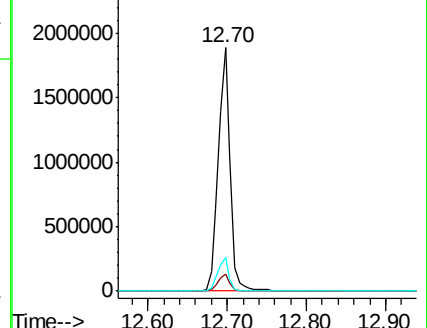
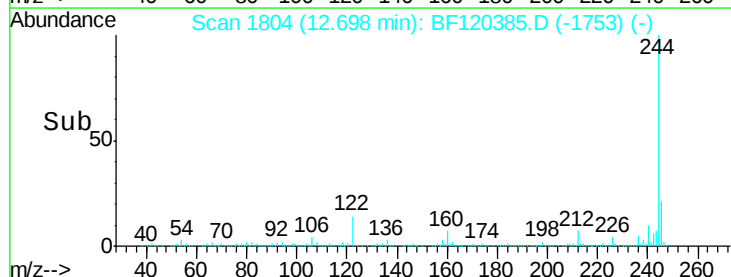
122 13.6 10.8 16.2

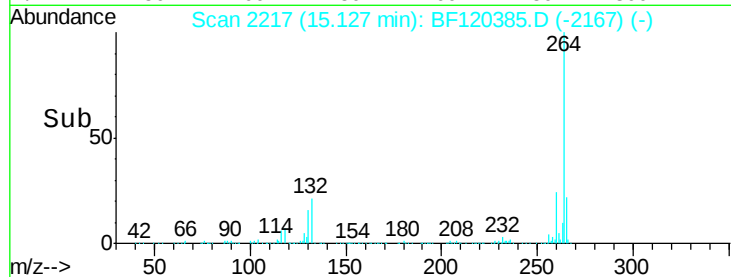
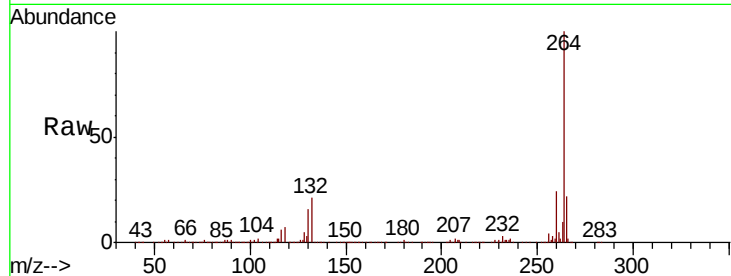
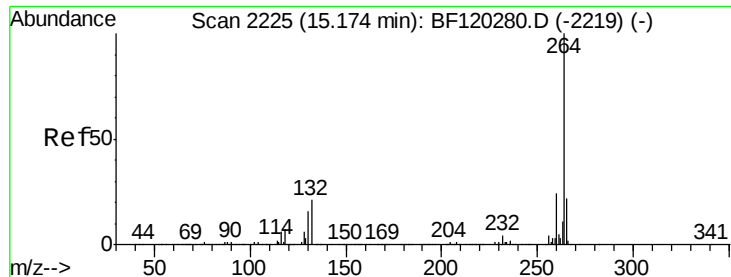


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF120385.D
Acq: 21 May 2020 17:09

Instrument :
BNA_F
ClientSampleId :
G4-CONCRETE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.0	28.6
265	22.0	17.5	26.3

