

Data File : BF118680.D
Acq On : 23 Jan 2020 17:44
Operator : CG/JU
Sample : L1219-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Quant Time: Jan 24 02:42:54 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	387207	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	1364322	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	754136	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	1358297	20.00	ng	0.00
76) Chrysene-d12	14.04	240	909458	20.00	ng	0.00
87) Perylene-d12	15.52	264	907828	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1417802	68.01	ng	0.00
7) Phenol-d6	6.50	99	2330806	86.02	ng	0.00
23) Nitrobenzene-d5	7.43	82	1656095	67.90	ng	-0.01
42) 2,4,6-Tribromophenol	10.70	330	378434	43.39	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	3013190	65.67	ng	0.00
79) Terphenyl-d14	12.99	244	3460087	82.98	ng	0.00

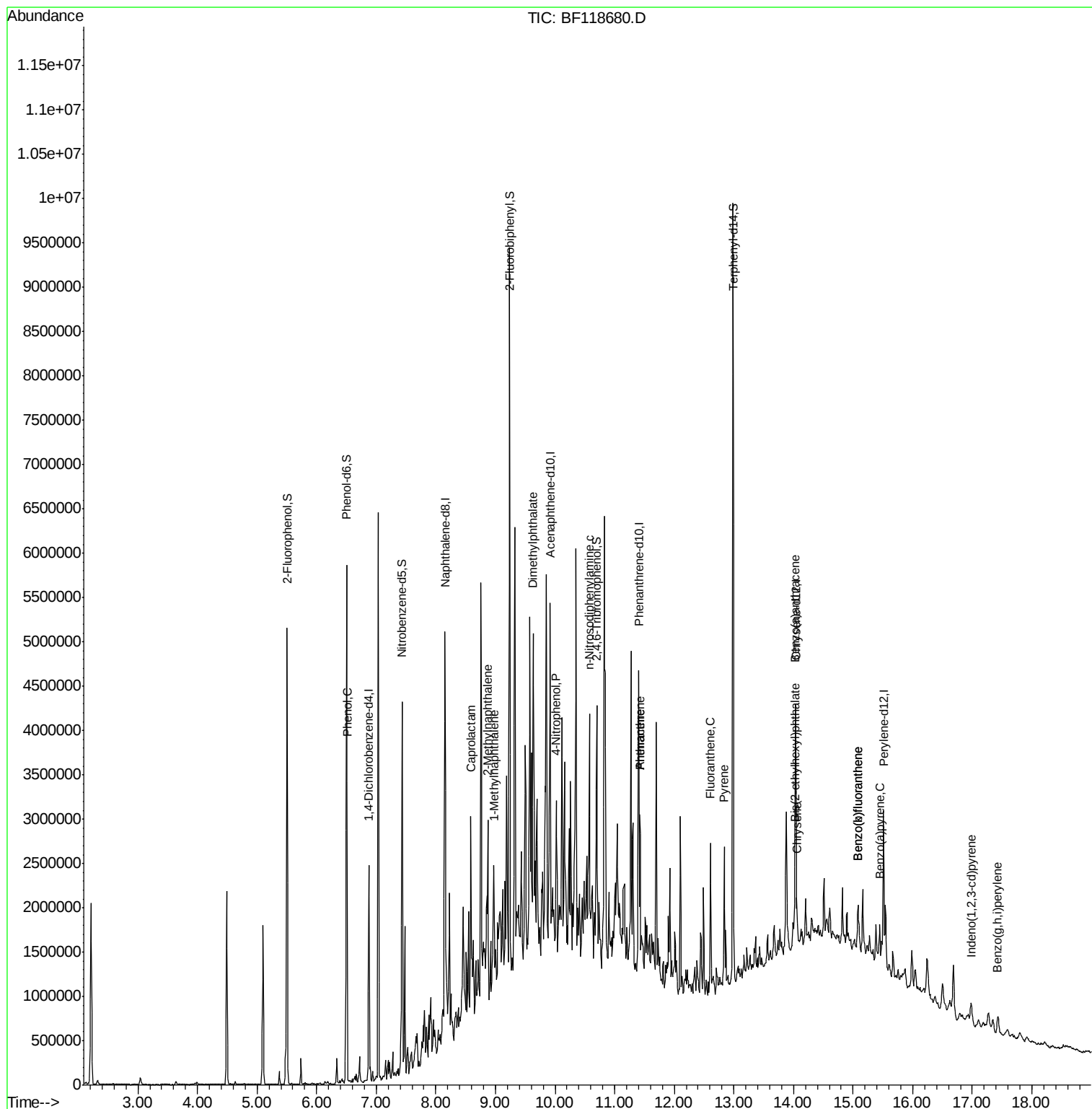
Target Compounds				Qvalue		
10) Phenol	6.52	94	76505	2.477	ng	95
35) Caprolactam	8.59	113	61737	9.279	ng	# 35
37) 2-Methylnaphthalene	8.87	142	585549	13.460	ng	98
38) 1-Methylnaphthalene	8.97	142	348104	8.423	ng	98
50) Dimethylphthalate	9.63	163	476574	9.700	ng	# 92
56) 4-Nitrophenol	10.02	139	41137	4.338	ng	# 51
66) n-Nitrosodiphenylamine	10.57	169	200107	4.885	ng	# 49
71) Phenanthrene	11.42	178	681461	10.399	ng	95
72) Anthracene	11.42	178	681461	10.510	ng	96
75) Fluoranthene	12.61	202	684074	9.898	ng	95
78) Pyrene	12.84	202	612986	9.928	ng	92
81) Benzo(a)anthracene	14.03	228	231725	4.236	ng	96
83) Chrysene	14.06	228	231399	4.413	ng	94
84) Bis(2-ethylhexyl)phthalate	14.02	149	82461	2.671	ng	95
86) Indeno(1,2,3-cd)pyrene	16.99	276	151352	3.322	ng	97
88) Benzo(b)fluoranthene	15.08	252	375698	6.584	ng	# 93
89) Benzo(k)fluoranthene	15.08	252	375698	7.106	ng	# 93
90) Benzo(a)pyrene	15.44	252	195797	3.978	ng	# 94
92) Benzo(g,h,i)perylene	17.43	276	178685	4.227	ng	95

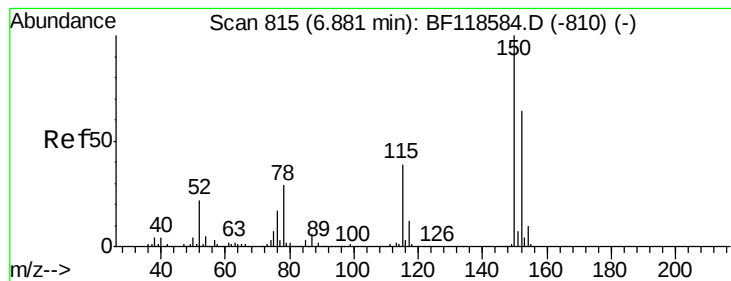
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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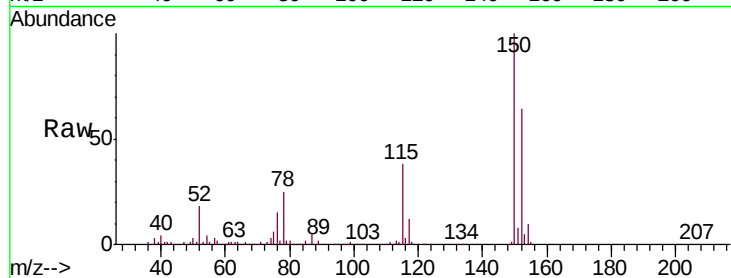


#1

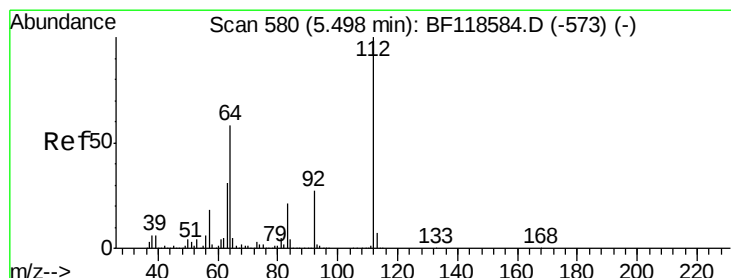
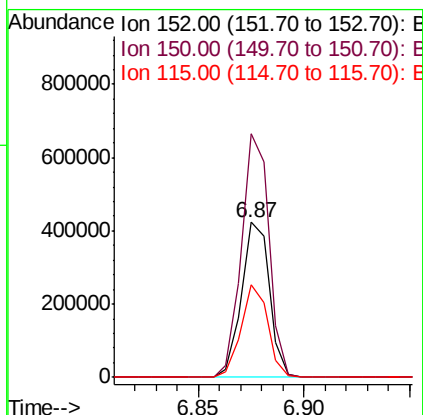
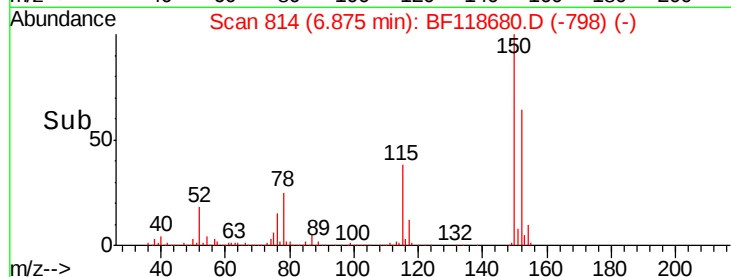
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tgt Ion:152 Resp: 387207
Ion Ratio Lower Upper
152 100
150 156.9 125.6 188.4
115 59.4 48.4 72.6



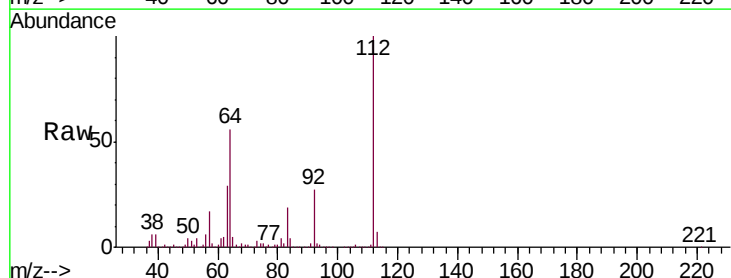
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



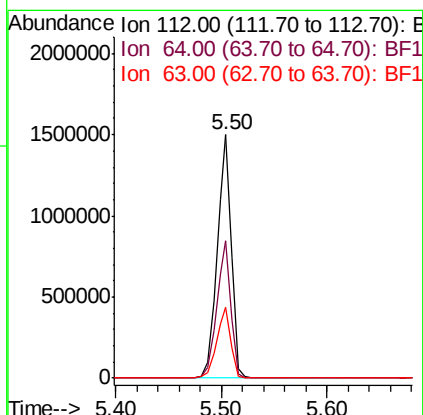
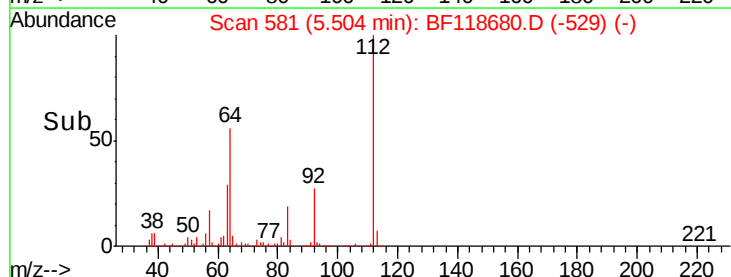
#5

2-Fluorophenol
Concen: 68.005 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion:112 Resp: 1417802
Ion Ratio Lower Upper
112 100
64 56.4 46.6 70.0
63 29.2 25.1 37.7



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: 86.015 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

ClientSampleId :

ST-CONCRETE

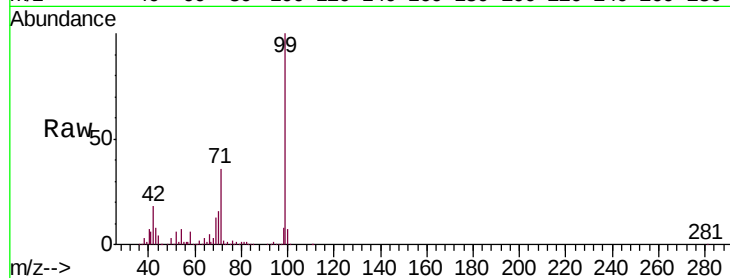
Tgt Ion: 99 Resp: 2330806

Ion Ratio Lower Upper

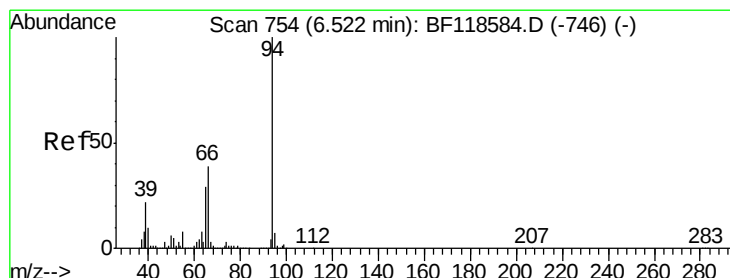
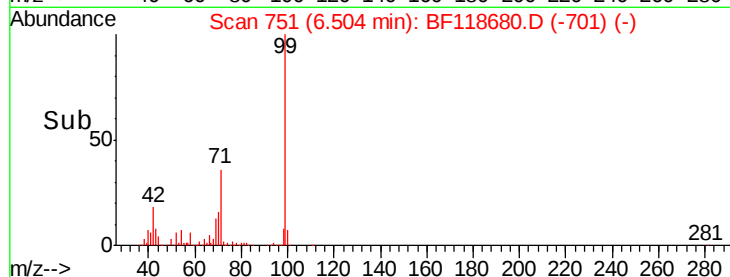
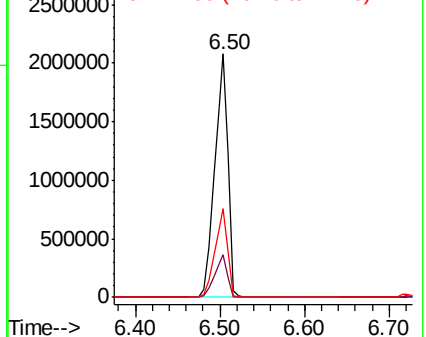
99 100

42 17.7 14.2 21.2

71 36.4 27.8 41.6



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



#10

Phenol

Concen: 2.477 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

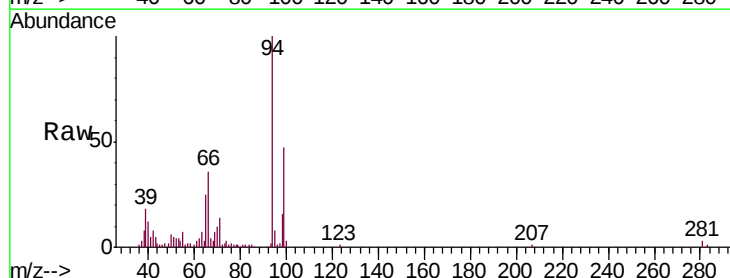
Tgt Ion: 94 Resp: 76505

Ion Ratio Lower Upper

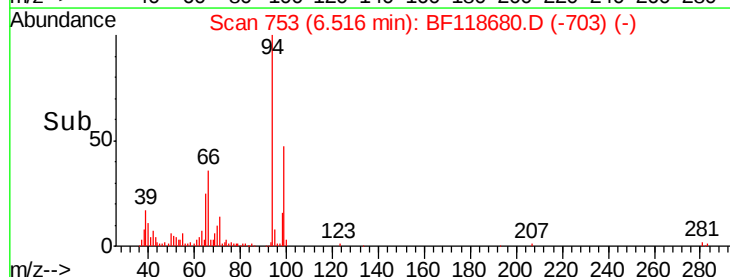
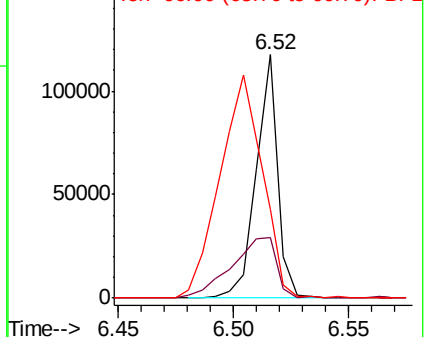
94 100

65 25.1 9.5 49.5

66 36.4 18.5 58.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

ClientSampleId :

ST-CONCRETE

Tgt Ion:136 Resp: 1364322

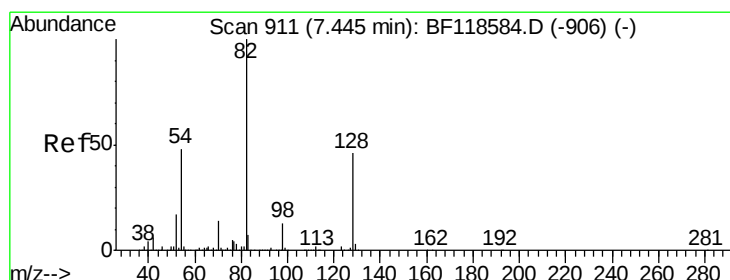
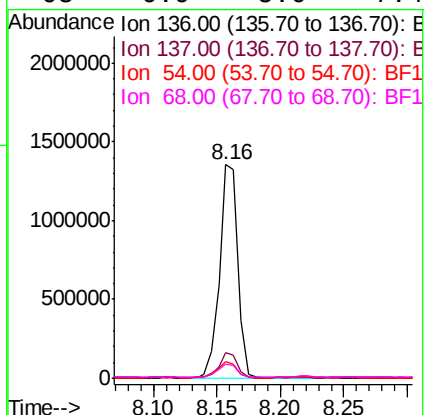
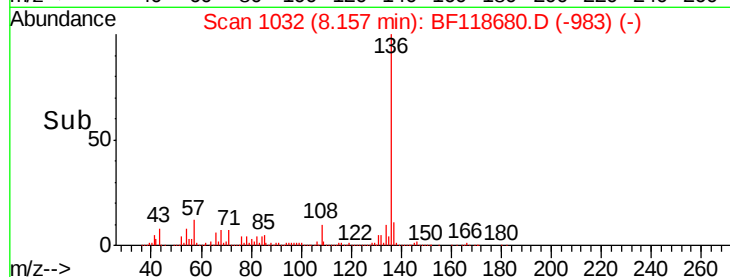
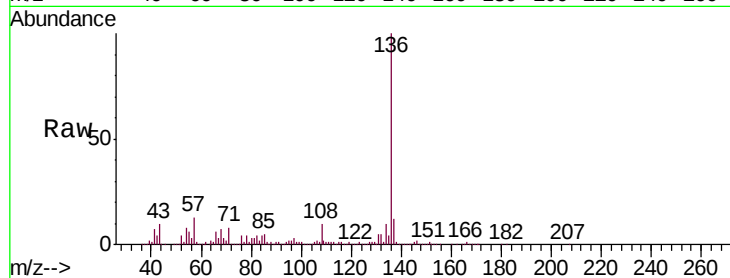
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 7.7 5.8 8.6

68 6.9 5.0 7.4



#23

Nitrobenzene-d5

Concen: 67.896 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

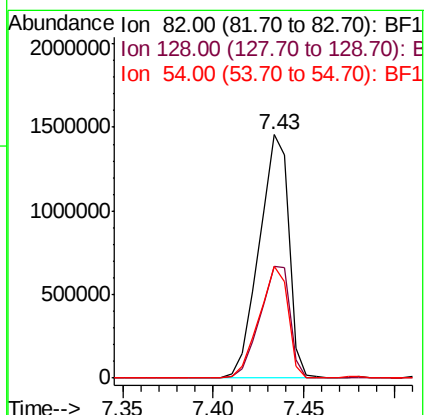
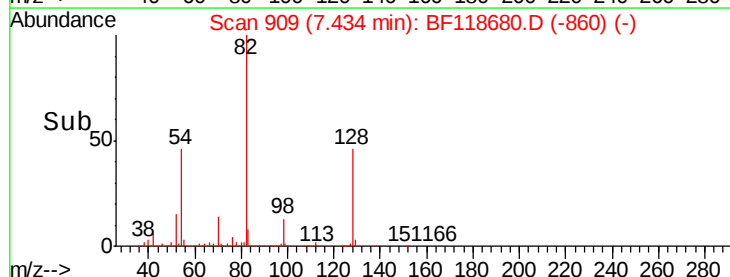
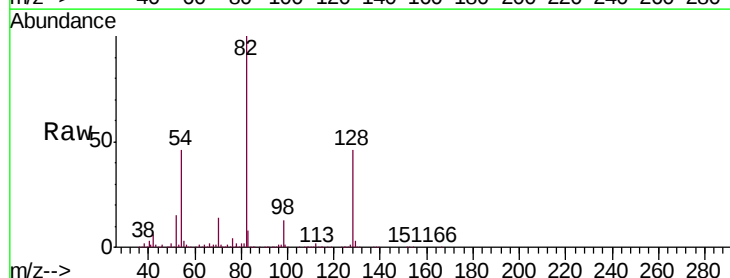
Tgt Ion: 82 Resp: 1656095

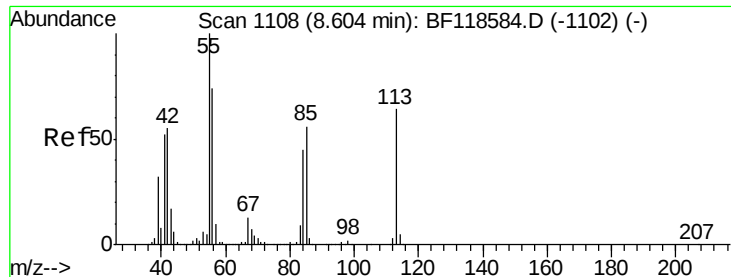
Ion Ratio Lower Upper

82 100

128 45.9 36.6 54.8

54 45.9 38.0 57.0

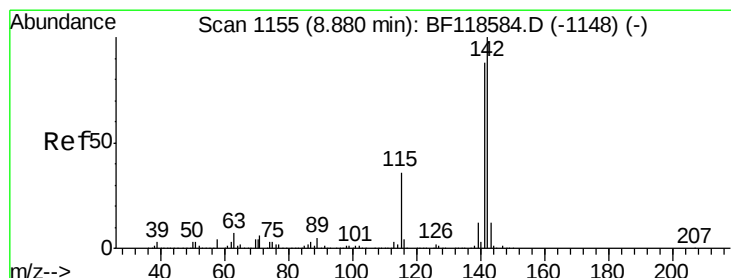
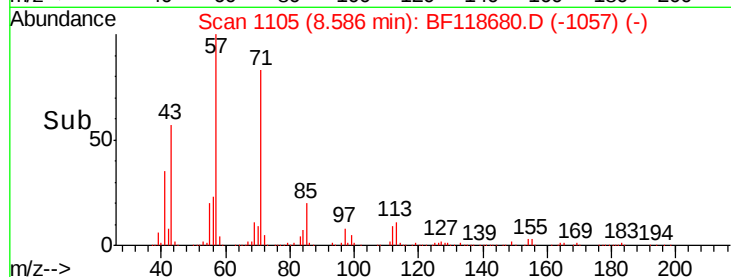
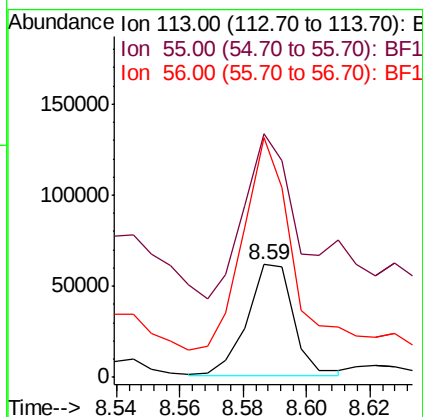
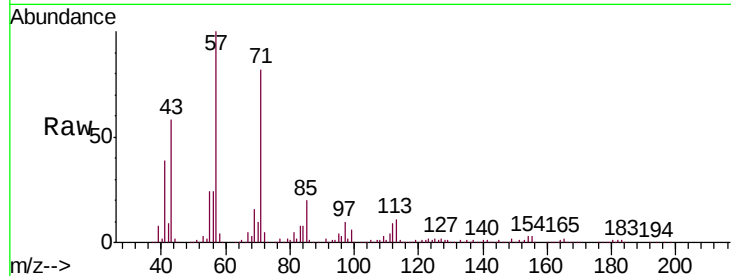




#35
 Caprolactam
 Concen: 9.279 ng
 RT: 8.59 min Scan# 1105
 Delta R.T. -0.02 min
 Lab File: BF118680.D
 Acq: 23 Jan 2020 17:44

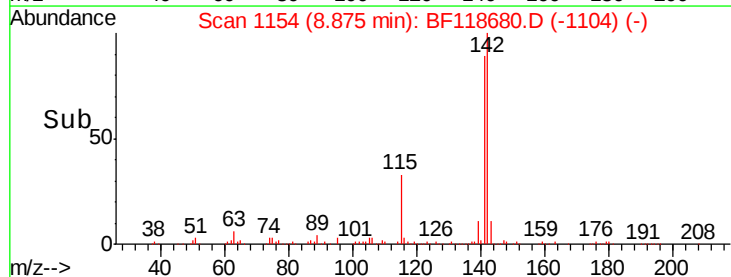
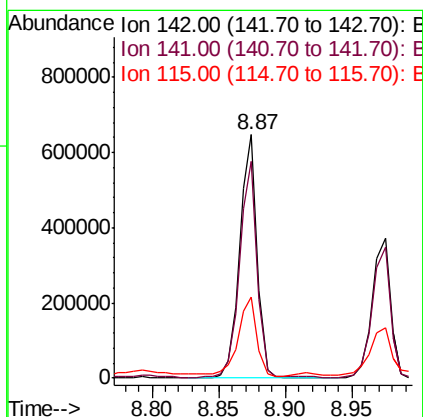
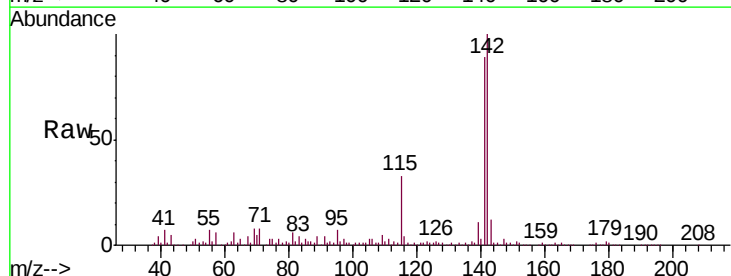
Instrument :
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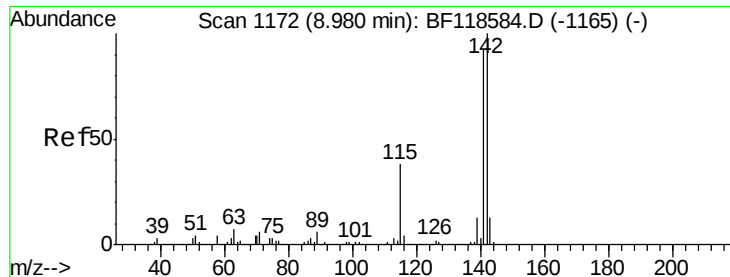
Tgt Ion:113 Resp: 61737
 Ion Ratio Lower Upper
 113 100
 55 216.2 136.1 176.1#
 56 212.8 95.2 135.2#



#37
 2-Methylnaphthalene
 Concen: 13.460 ng
 RT: 8.87 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BF118680.D
 Acq: 23 Jan 2020 17:44

Tgt Ion:142 Resp: 585549
 Ion Ratio Lower Upper
 142 100
 141 89.1 70.7 106.1
 115 33.3 28.5 42.7

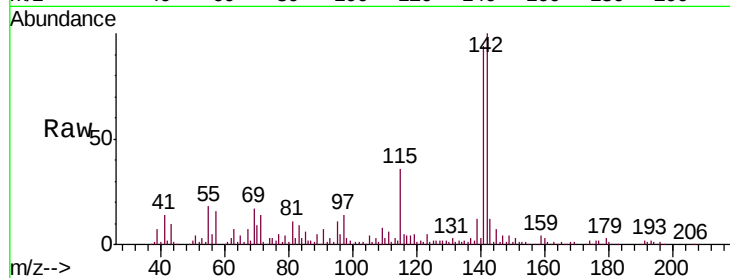




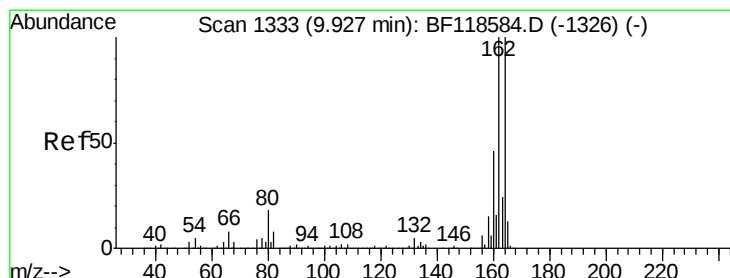
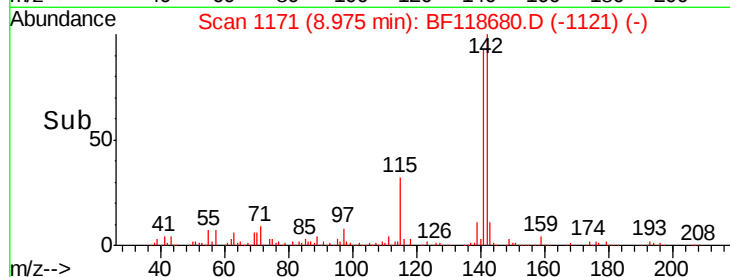
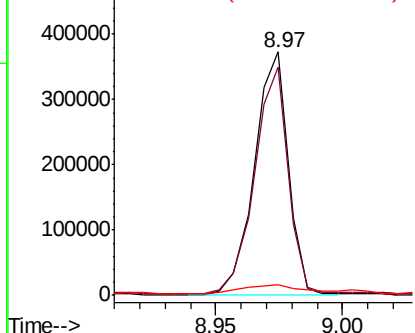
#38
1-Methylnaphthalene
Concen: 8.423 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tgt Ion:142 Resp: 348104
Ion Ratio Lower Upper
142 100
141 93.7 73.4 110.2
116 4.5 3.3 4.9

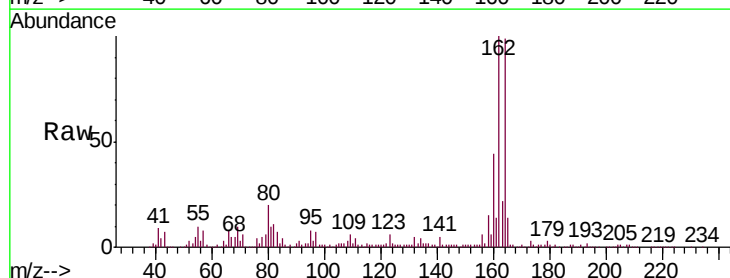


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

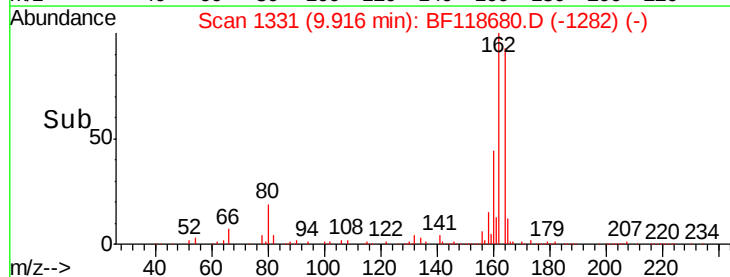
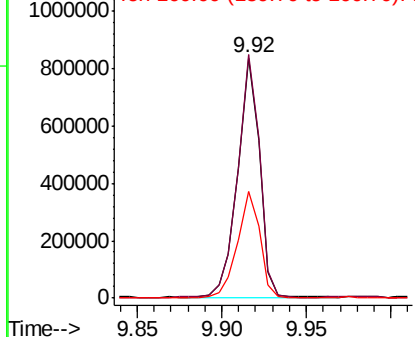


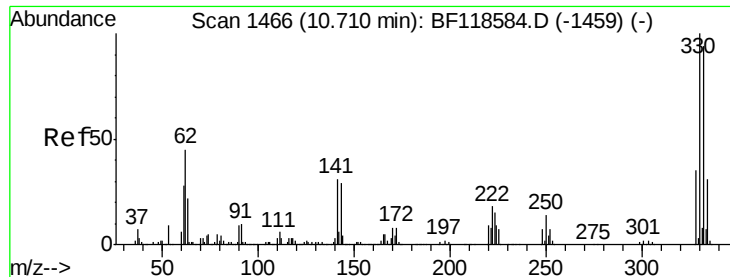
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion:164 Resp: 754136
Ion Ratio Lower Upper
164 100
162 101.4 80.4 120.6
160 44.4 36.6 55.0



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

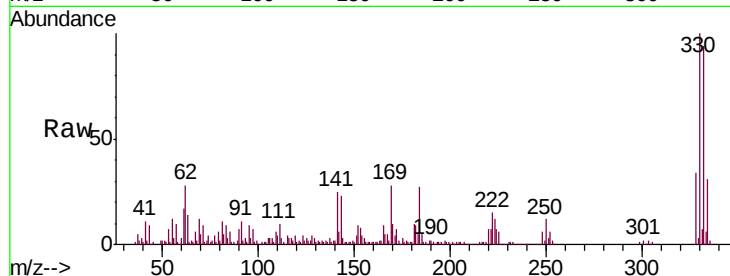




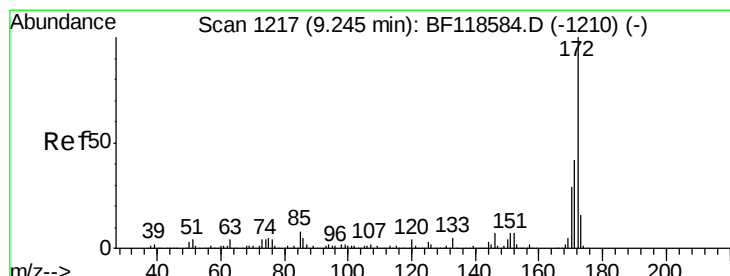
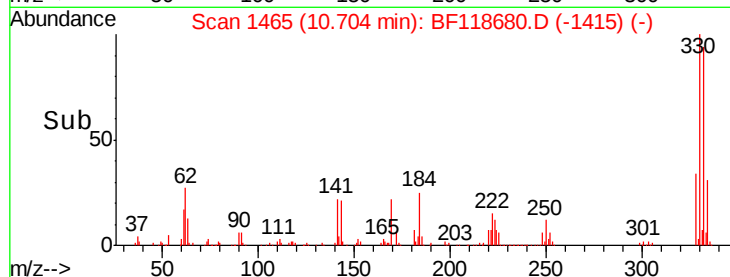
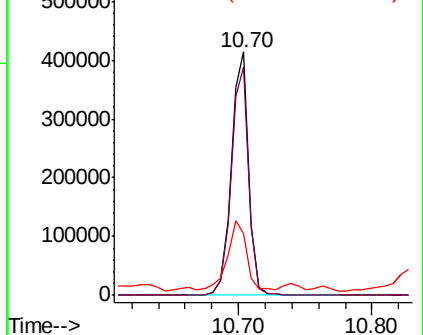
#42
 2,4,6-Tribromophenol
 Concen: 43.386 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF118680.D
 Acq: 23 Jan 2020 17:44

Instrument :
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 ST-CONCRETE

Tgt Ion:330 Resp: 378434
 Ion Ratio Lower Upper
 330 100
 332 95.2 76.2 114.4
 141 30.1 23.9 35.9

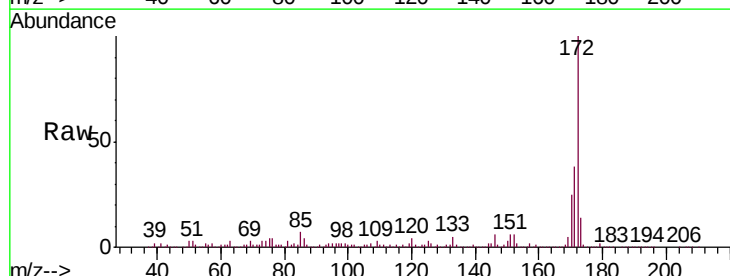


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

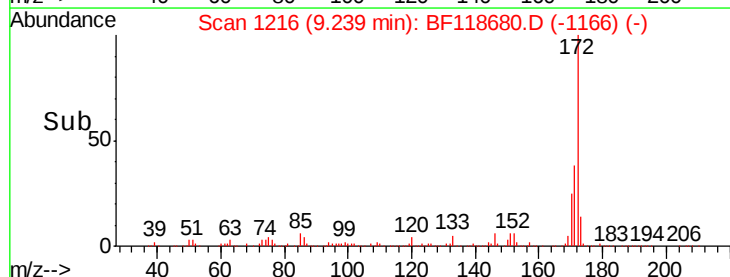
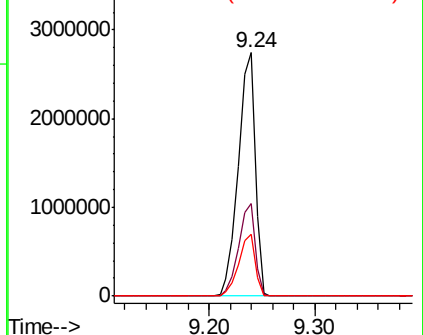


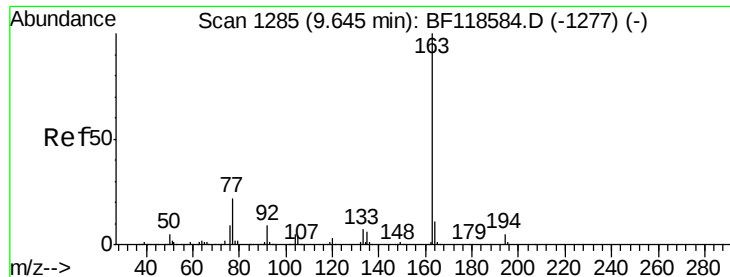
#45
 2-Fluorobiphenyl
 Concen: 65.672 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118680.D
 Acq: 23 Jan 2020 17:44

Tgt Ion:172 Resp: 3013190
 Ion Ratio Lower Upper
 172 100
 171 38.3 33.4 50.2
 170 25.4 23.2 34.8



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

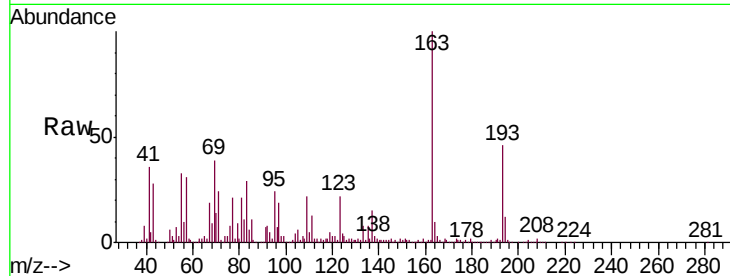




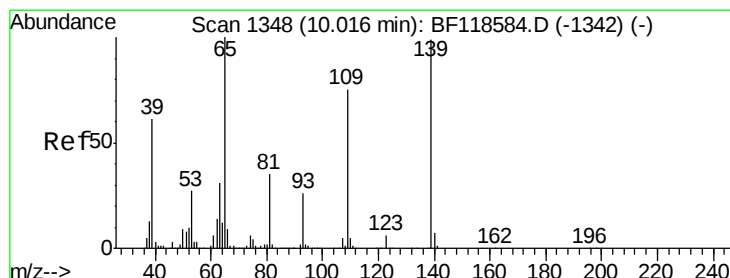
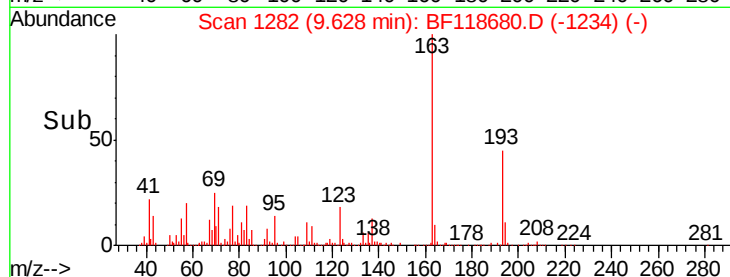
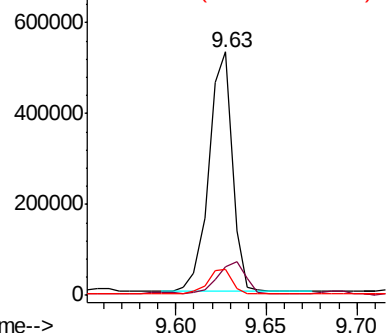
#50
Dimethylphthalate
Concen: 9.700 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tgt Ion:163 Resp: 476574
Ion Ratio Lower Upper
163 100
194 11.8 3.9 5.9#
164 10.4 9.1 13.7

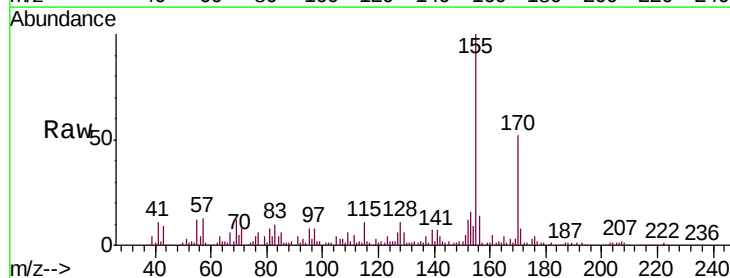


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

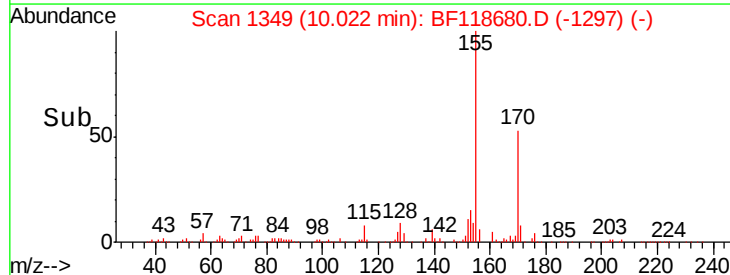
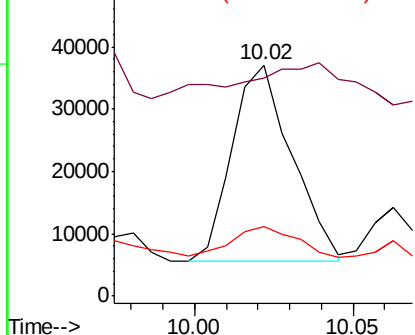


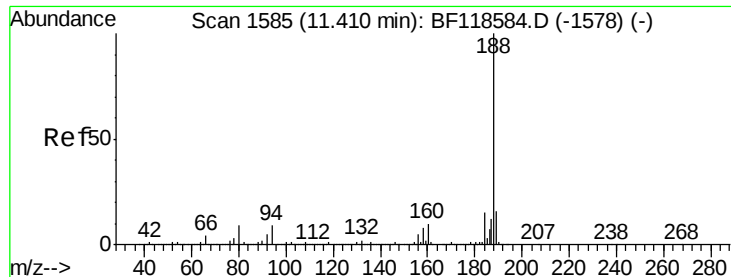
#56
4-Nitrophenol
Concen: 4.338 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion:139 Resp: 41137
Ion Ratio Lower Upper
139 100
109 94.2 56.0 96.0
65 30.2 81.4 121.4#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

ClientSampleId :

ST-CONCRETE

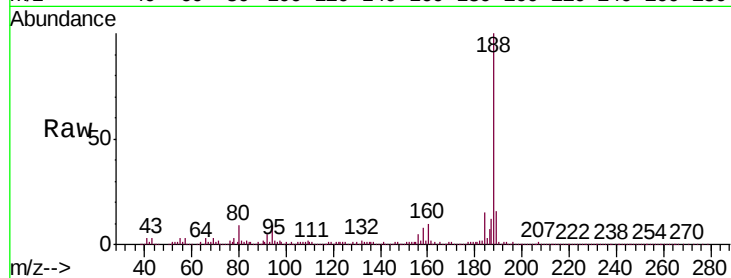
Tgt Ion:188 Resp: 1358297

Ion Ratio Lower Upper

188 100

94 8.9 7.1 10.7

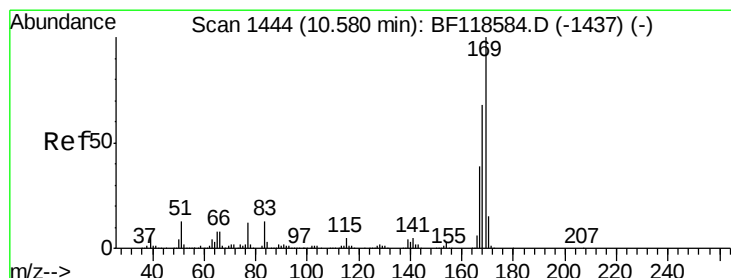
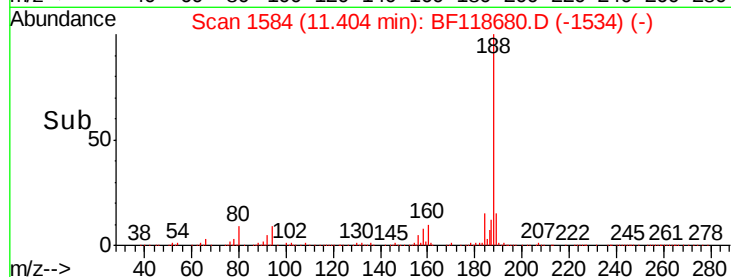
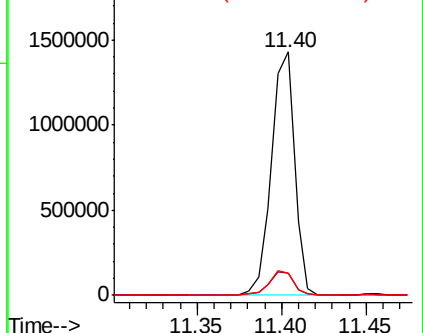
80 9.2 7.5 11.3



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#66

n-Nitrosodiphenylamine

Concen: 4.885 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

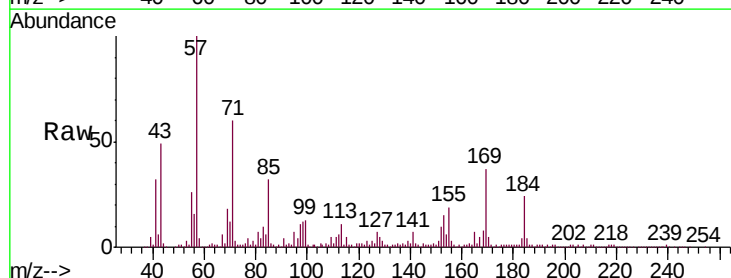
Tgt Ion:169 Resp: 200107

Ion Ratio Lower Upper

169 100

168 22.7 54.6 82.0#

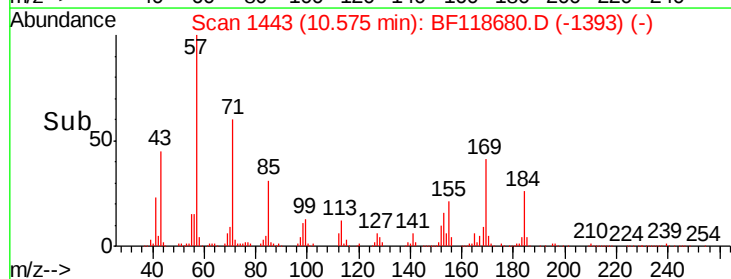
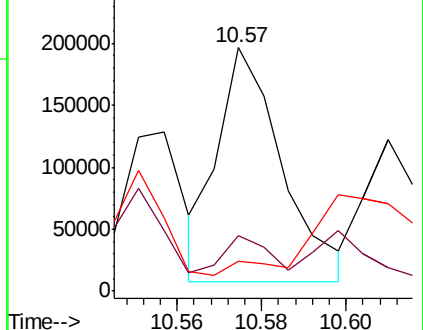
167 12.5 30.9 46.3#

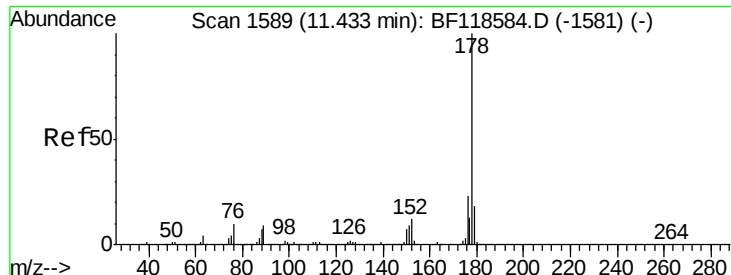


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

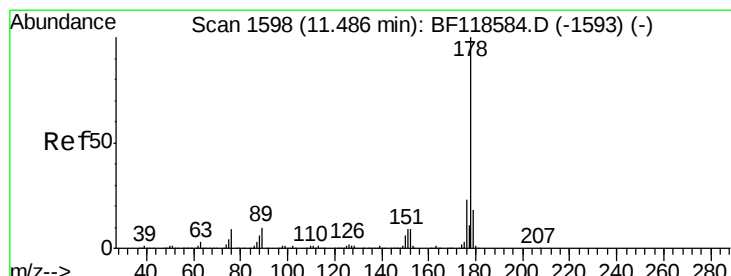
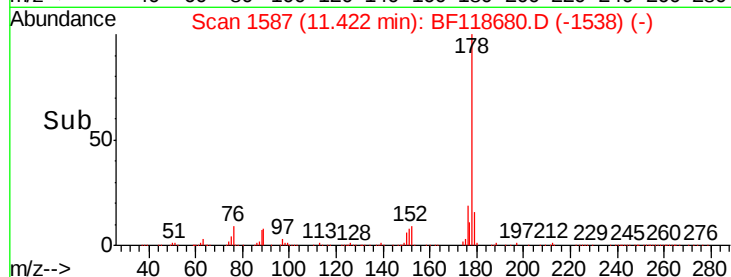
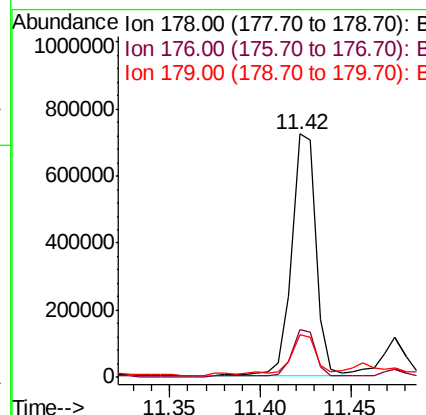
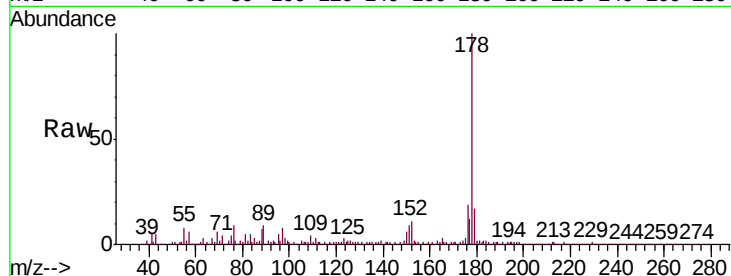




#71
Phenanthrene
Concen: 10.399 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

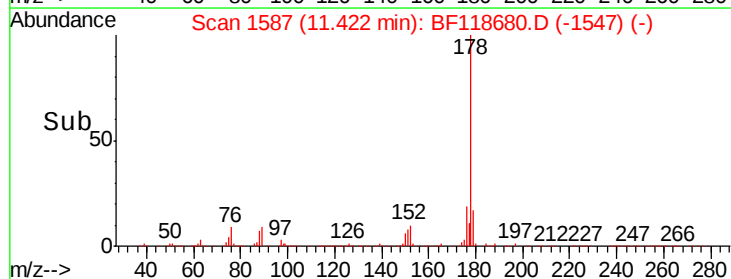
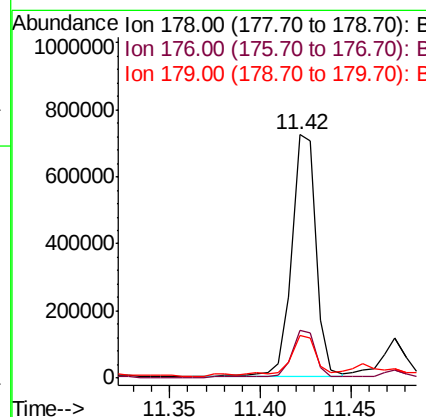
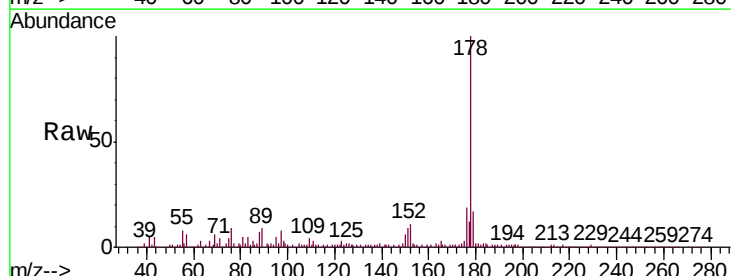
Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

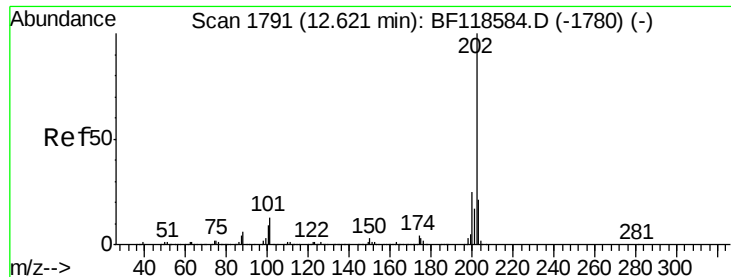
Tgt Ion:178 Resp: 681461
Ion Ratio Lower Upper
178 100
176 19.5 18.6 27.8
179 17.5 14.7 22.1



#72
Anthracene
Concen: 10.510 ng
RT: 11.42 min Scan# 1587
Delta R.T. -0.06 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion:178 Resp: 681461
Ion Ratio Lower Upper
178 100
176 19.5 18.0 27.0
179 17.5 14.7 22.1





#75

Fluoranthene

Concen: 9.898 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

ClientSampleId :

ST-CONCRETE

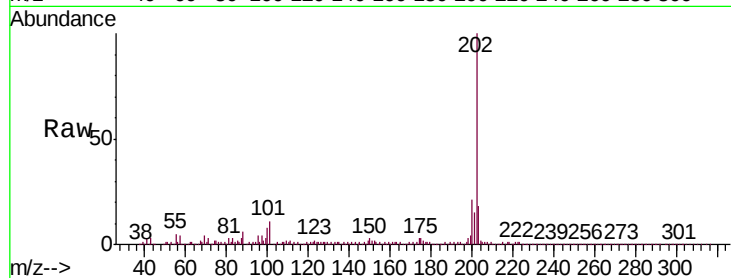
Tgt Ion:202 Resp: 684074

Ion Ratio Lower Upper

202 100

101 11.1 0.0 32.5

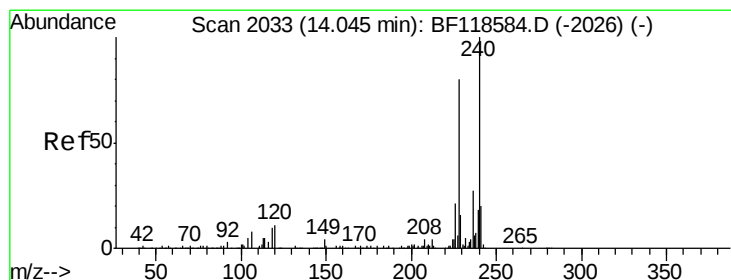
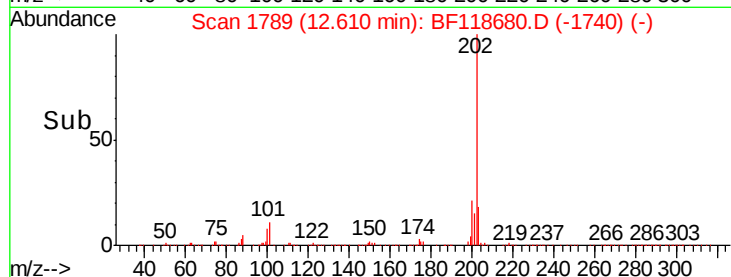
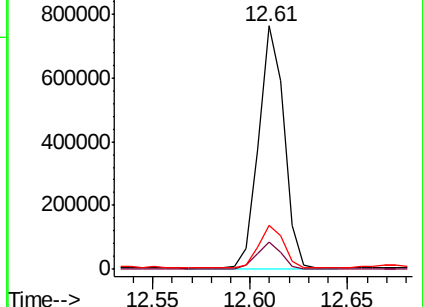
203 18.3 0.8 40.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

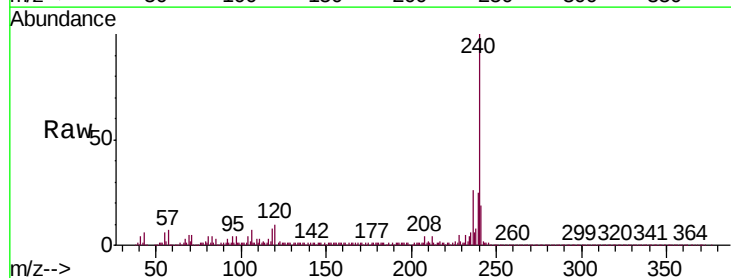
Tgt Ion:240 Resp: 909458

Ion Ratio Lower Upper

240 100

120 9.6 8.9 13.3

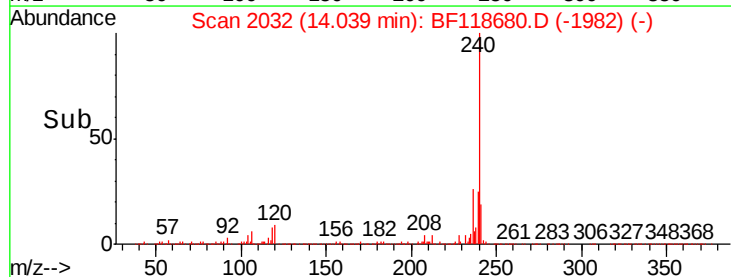
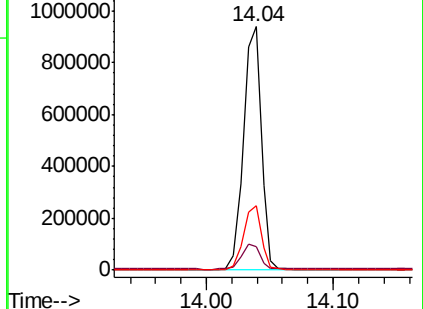
236 26.4 21.5 32.3

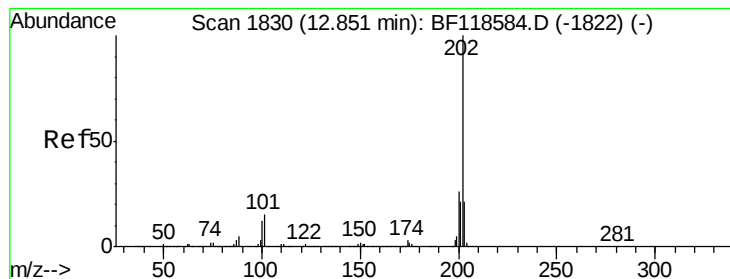


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 9.928 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

ClientSampleId :

ST-CONCRETE

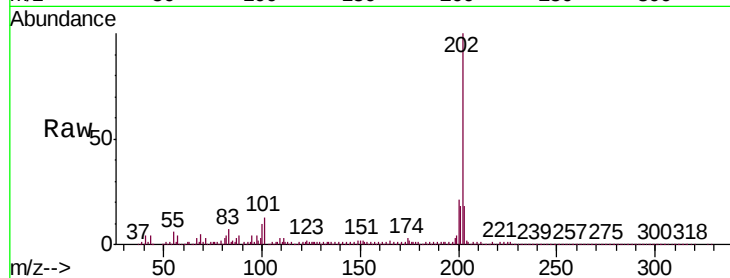
Tgt Ion:202 Resp: 612986

Ion Ratio Lower Upper

202 100

200 21.0 20.6 31.0

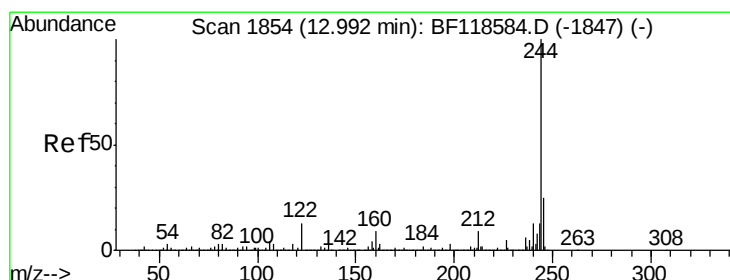
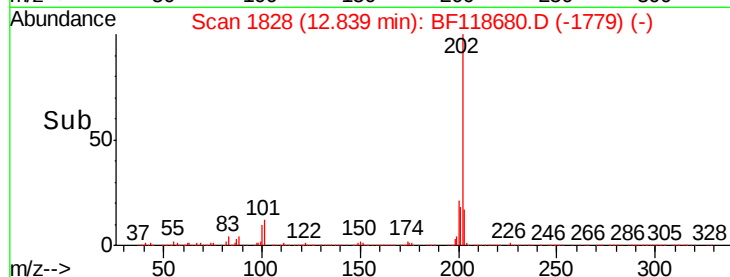
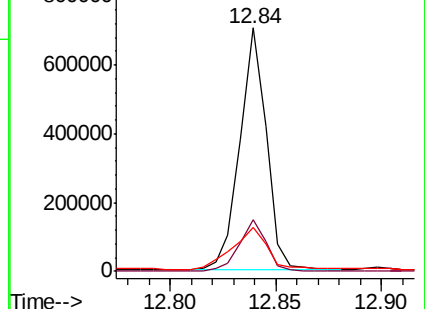
203 18.2 16.8 25.2



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: 82.981 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

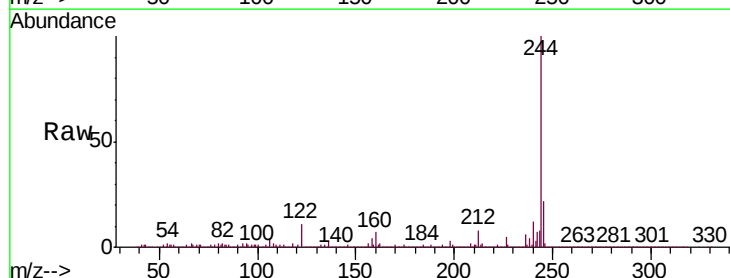
Tgt Ion:244 Resp: 3460087

Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.4

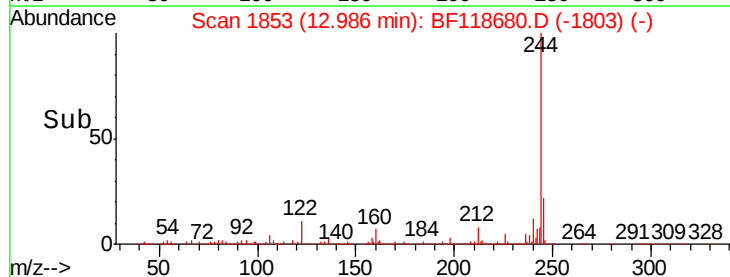
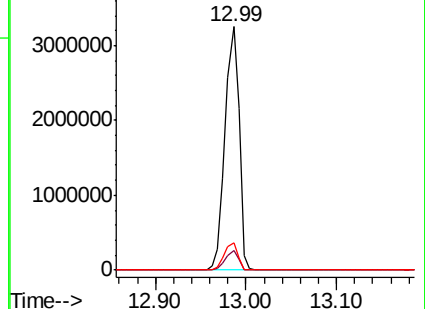
122 11.3 10.7 16.1

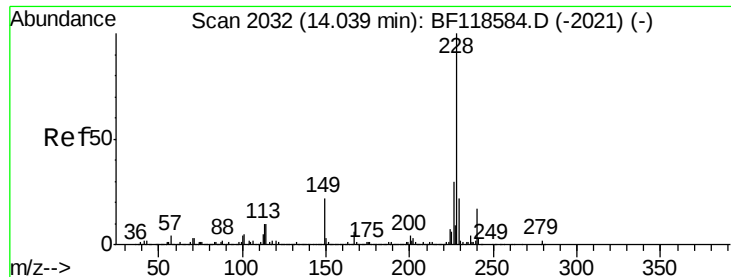


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

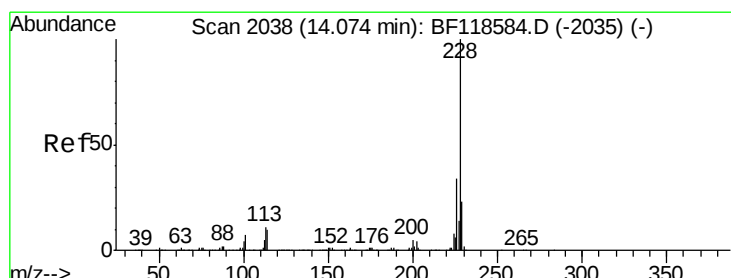
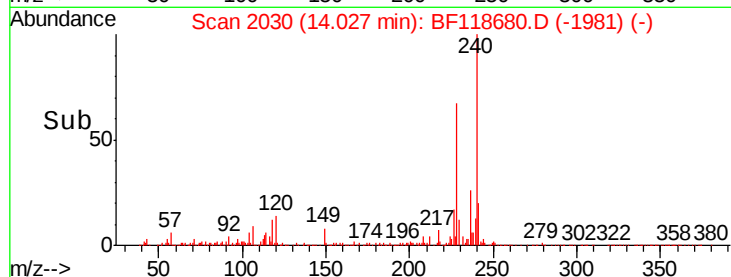
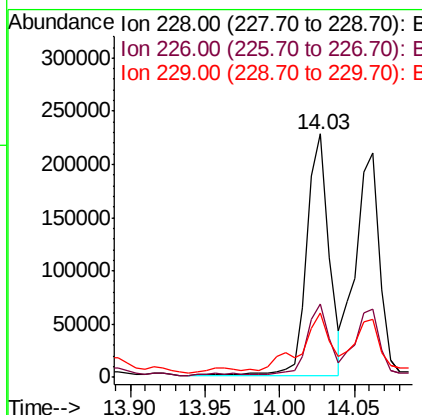
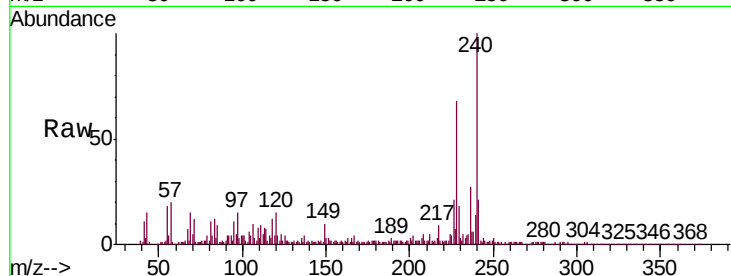




#81
Benzo(a)anthracene
Concen: 4.236 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

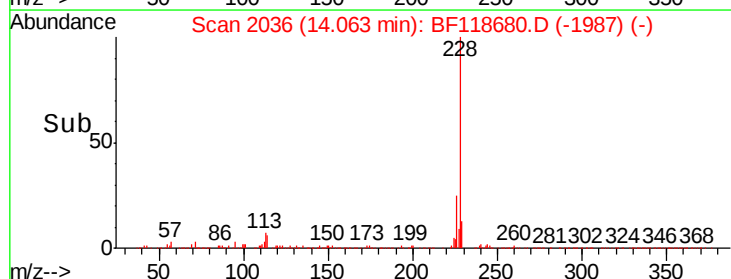
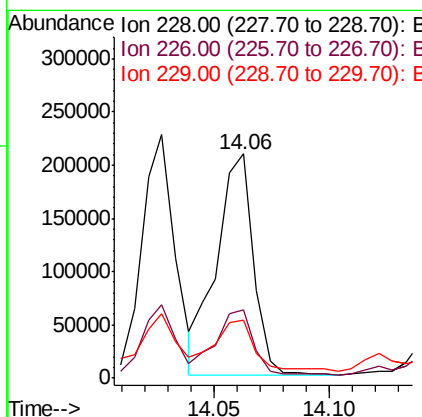
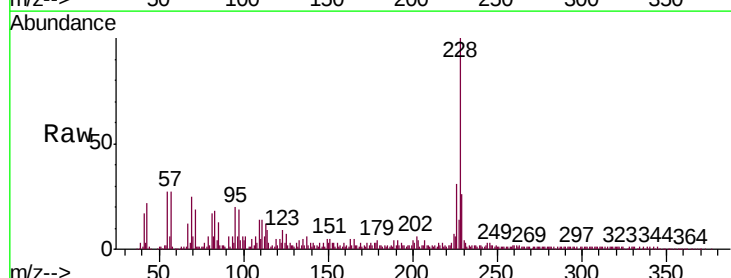
Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

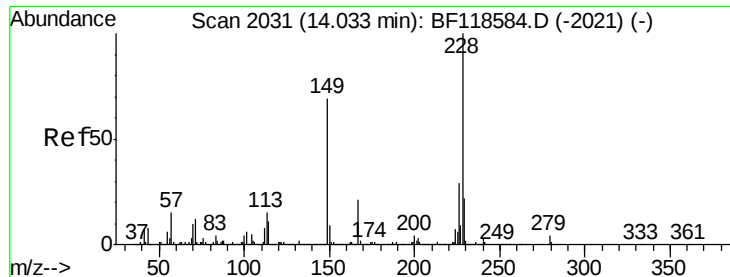
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.1	36.1
229	26.3	17.6	26.4



#83
Chrysene
Concen: 4.413 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	27.4	41.0
229	26.1	18.3	27.5

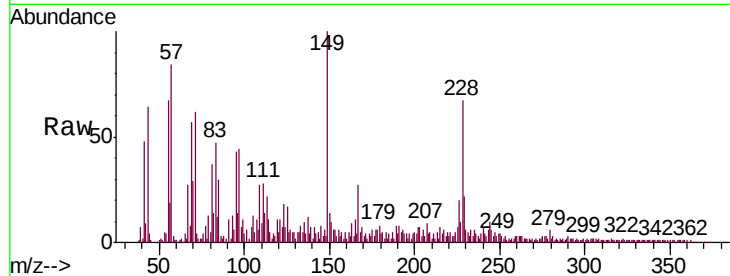




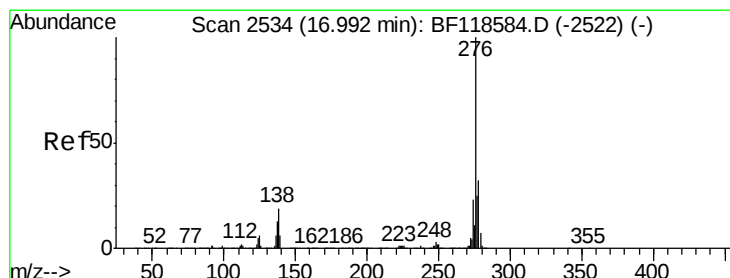
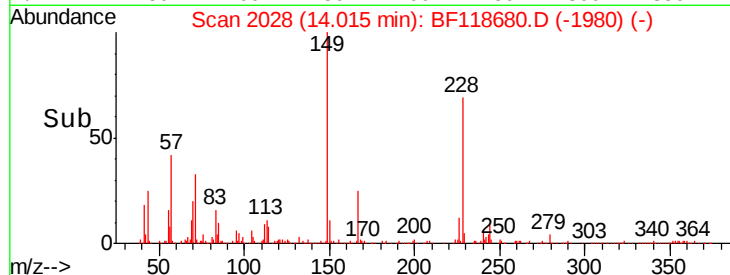
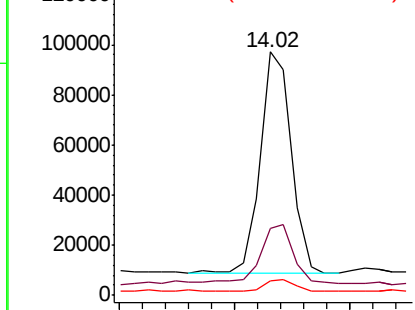
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.671 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

Tgt Ion:149 Resp: 82461
Ion Ratio Lower Upper
149 100
167 27.5 24.2 36.4
279 5.9 5.0 7.4

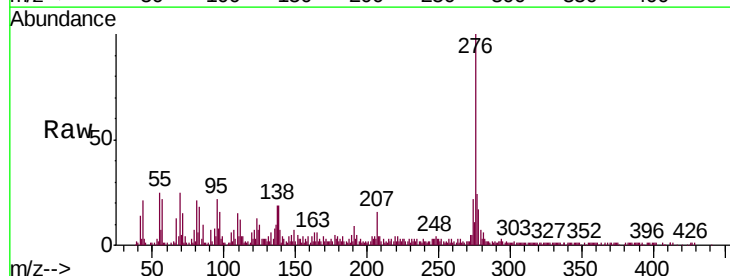


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

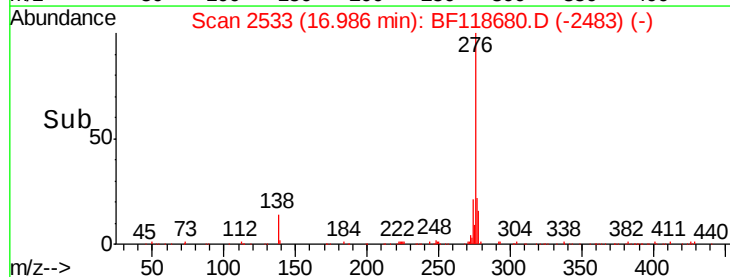
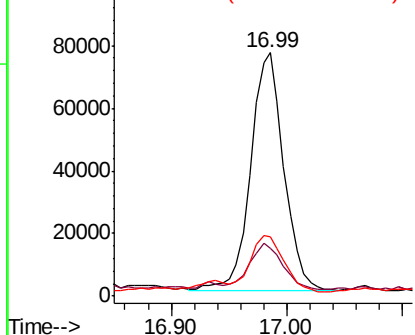


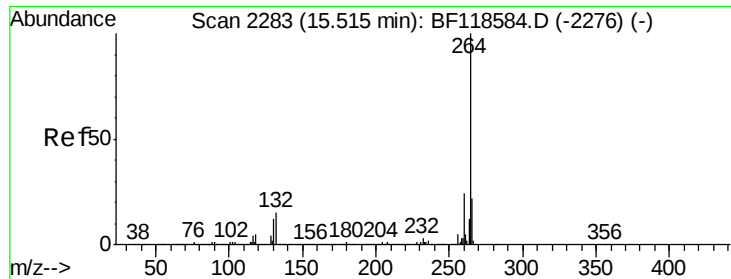
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.322 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion:276 Resp: 151352
Ion Ratio Lower Upper
276 100
138 19.6 17.2 25.8
277 24.4 20.5 30.7



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.52 min Scan# 2283

Delta R.T. 0.00 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

ClientSampleId :

ST-CONCRETE

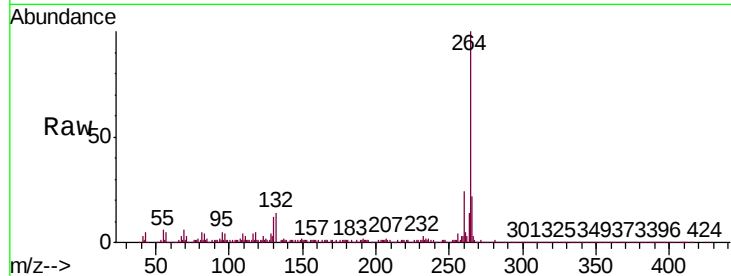
Tgt Ion:264 Resp: 907828

Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

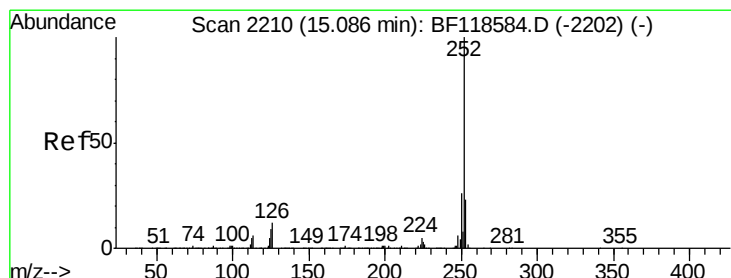
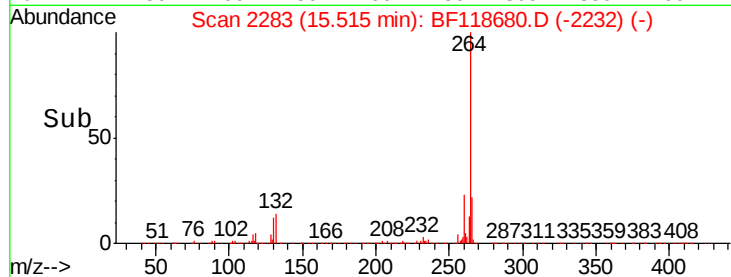
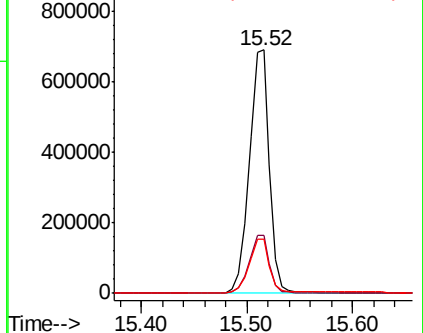
265 22.1 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 6.584 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

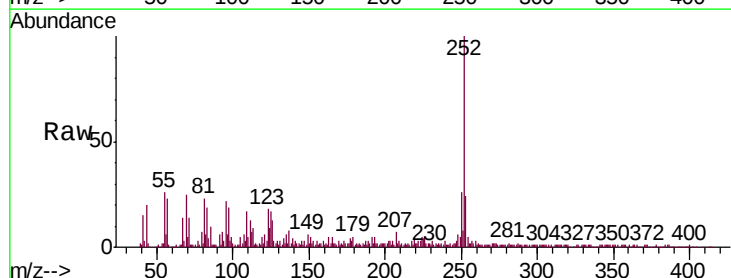
Tgt Ion:252 Resp: 375698

Ion Ratio Lower Upper

252 100

253 24.3 18.7 28.1

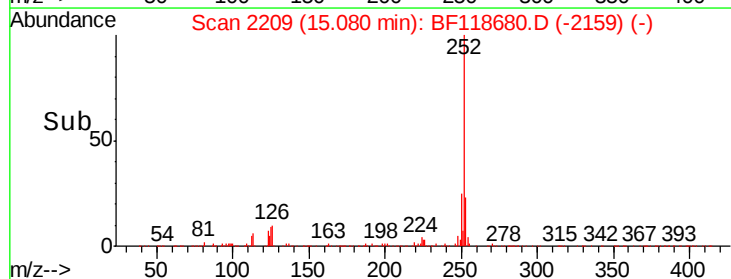
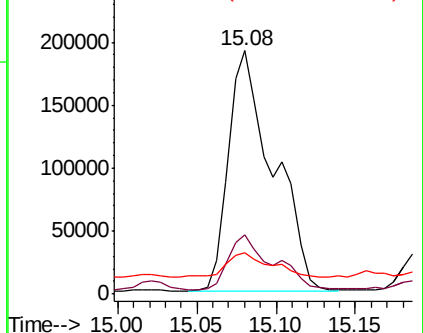
125 16.9 7.3 10.9#

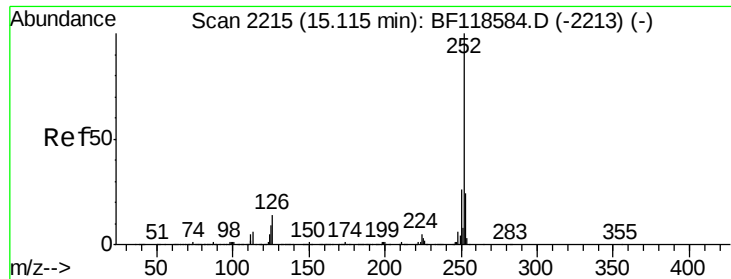


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

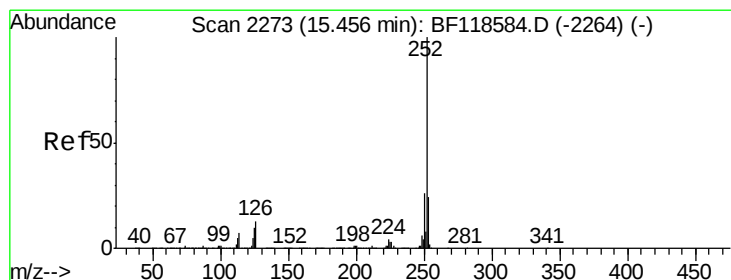
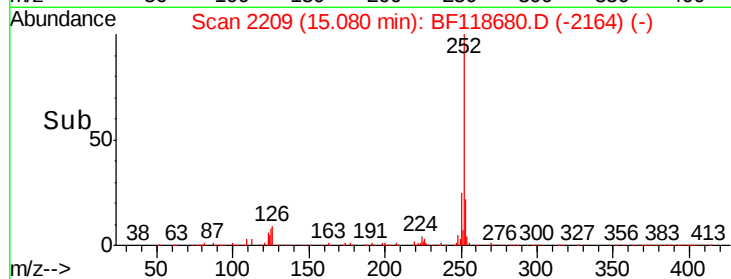
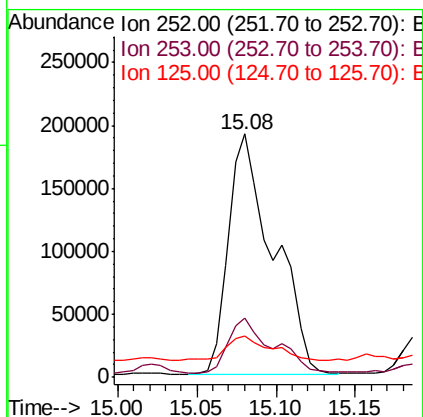
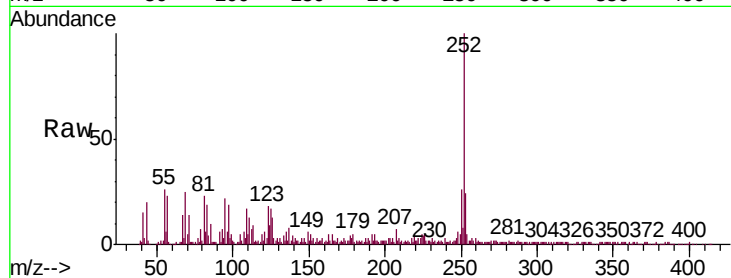




#89
Benzo(k)fluoranthene
Concen: 7.106 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

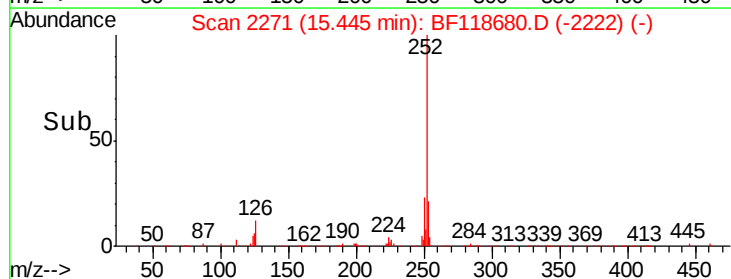
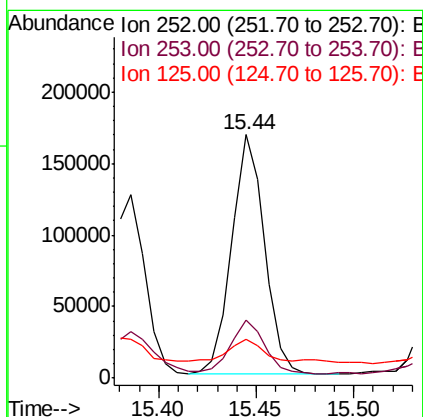
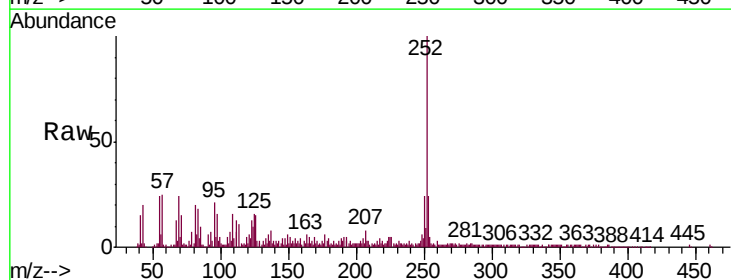
Instrument :
BNA_F
ClientSampleId :
ST-CONCRETE

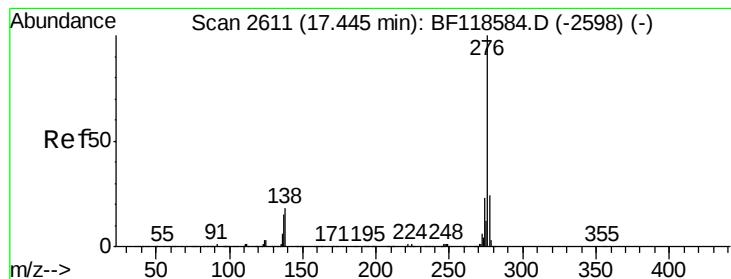
Tgt Ion:252 Resp: 375698
Ion Ratio Lower Upper
252 100
253 24.3 19.0 28.4
125 16.9 7.6 11.4#



#90
Benzo(a)pyrene
Concen: 3.978 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF118680.D
Acq: 23 Jan 2020 17:44

Tgt Ion:252 Resp: 195797
Ion Ratio Lower Upper
252 100
253 23.9 18.8 28.2
125 16.2 7.8 11.6#





#92

Benzo(g,h,i)perylene

Concen: 4.227 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.01 min

Lab File: BF118680.D

Acq: 23 Jan 2020 17:44

Instrument :

BNA_F

ClientSampleId :

ST-CONCRETE

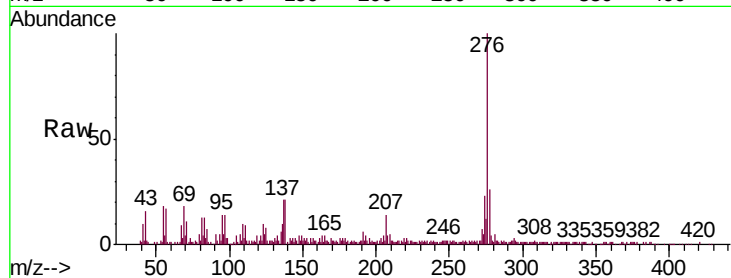
Tgt Ion: 276 Resp: 178685

Ion Ratio Lower Upper

276 100

277 25.6 18.9 28.3

138 20.5 14.4 21.6



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

