

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100818\
 Data File : BF109678.D
 Acq On : 9 Oct 2018 6:06
 Operator : JU/SJ
 Sample : J5293-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-WALL

Quant Time: Oct 09 08:31:10 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 08 16:02:11 2018
 Response via : Initial Calibration

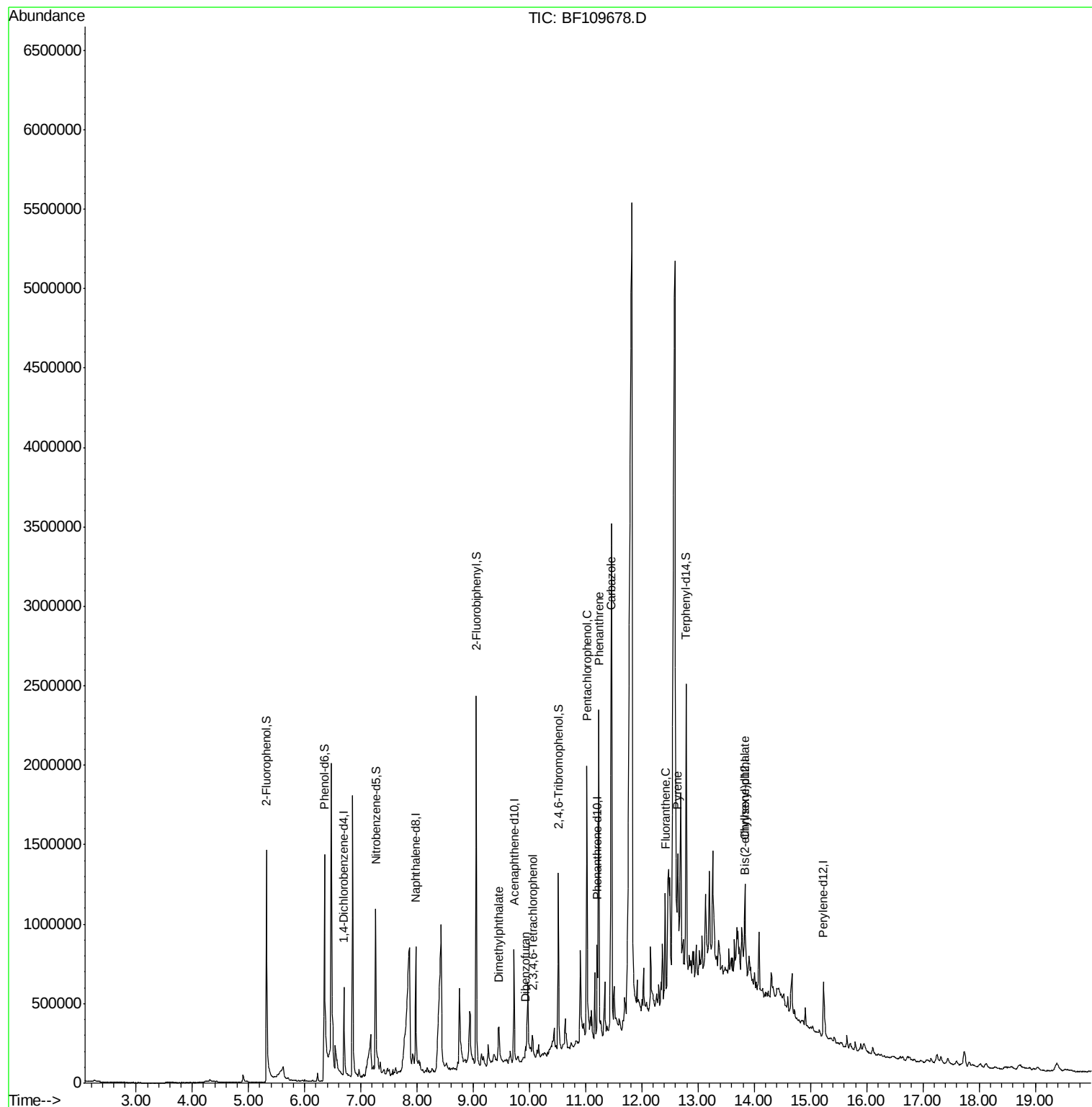
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	108924	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	389543	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	159985	20.00	ng	0.00
63) Phenanthrene-d10	11.20	188	261909	20.00	ng	0.00
75) Chrysene-d12	13.84	240	213465	20.00	ng	0.00
86) Perylene-d12	15.23	264	182114	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	576046	93.87	ng	0.00
7) Phenol-d6	6.35	99	789744	96.34	ng	0.00
23) Nitrobenzene-d5	7.26	82	493813	69.88	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	160245	91.93	ng	0.00
44) 2-Fluorobiphenyl	9.05	172	849831	73.16	ng	0.00
78) Terphenyl-d14	12.79	244	667436	60.53	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.45	163	65072	5.546	ng	100
54) Dibenzofuran	9.93	168	36542	2.634	ng	92
58) 2,3,4,6-Tetrachlorophenol	10.06	232	21341	7.014	ng	# 91
69) Pentachlorophenol	11.03	266	236858	129.171	ng	98
70) Phenanthrene	11.23	178	885154	67.533	ng	100
72) Carbazole	11.45	167	39341	2.994	ng	# 94
74) Fluoranthene	12.42	202	330281	24.121	ng	97
77) Pyrene	12.64	202	170165	10.880	ng	98
83) Bis(2-ethylhexyl)phthalate	13.82	149	28913	3.495	ng	93

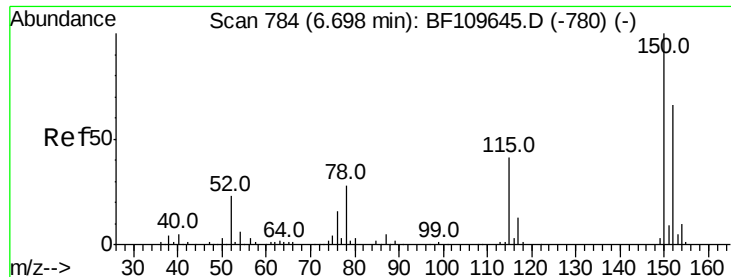
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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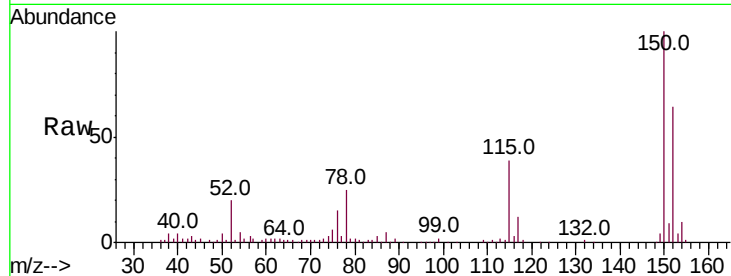


#1

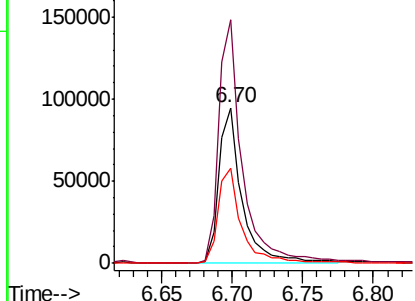
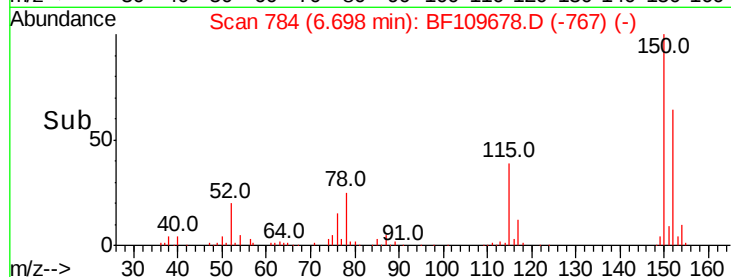
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.70 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-WALL

Tot Ion:152 Resp: 108924
 Ion Ratio Lower Upper
 152 100
 150 156.8 122.7 184.1
 115 61.4 49.1 73.7



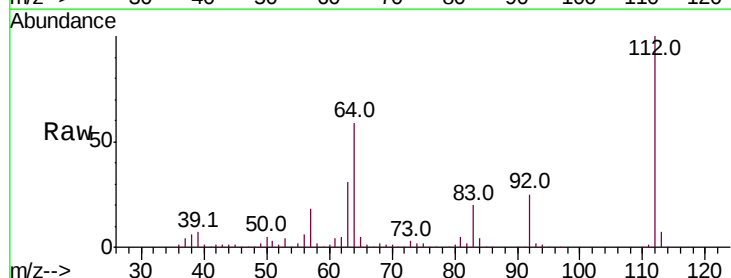
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



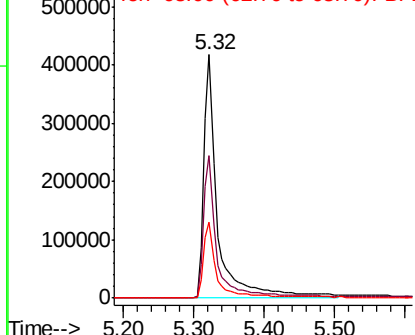
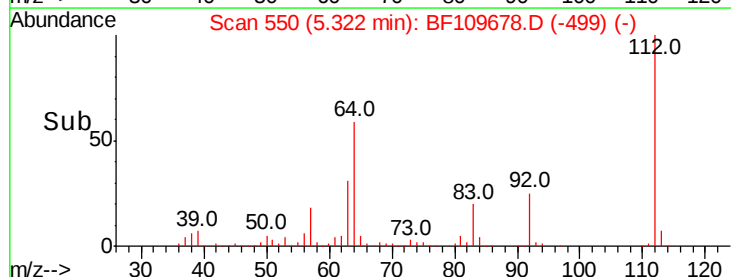
#5

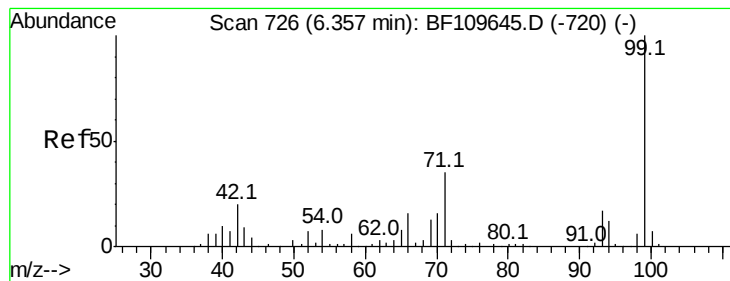
2-Fluorophenol
 Concen: 93.873 ng
 RT: 5.32 min Scan# 550
 Delta R.T. 0.00 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Tgt Ion:112 Resp: 576046
 Ion Ratio Lower Upper
 112 100
 64 58.5 44.1 66.1
 63 31.3 23.7 35.5



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: 96.338 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109678.D

Acq: 9 Oct 2018 6:06

Instrument :

BNA_F

ClientSampleId :

VW-CONCRETE-WALL

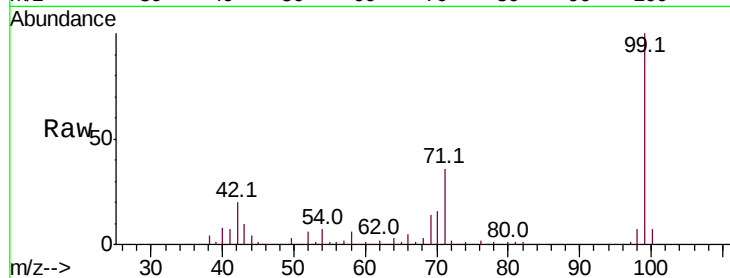
Tot Ion: 99 Resp: 789744

Ion Ratio Lower Upper

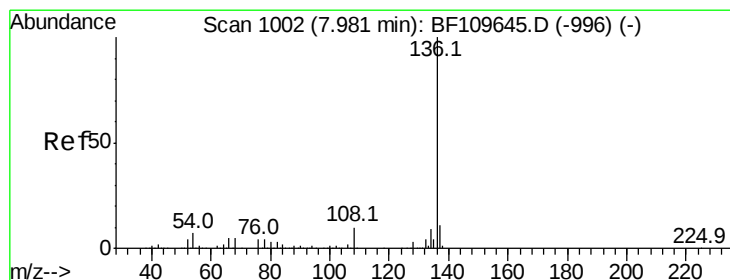
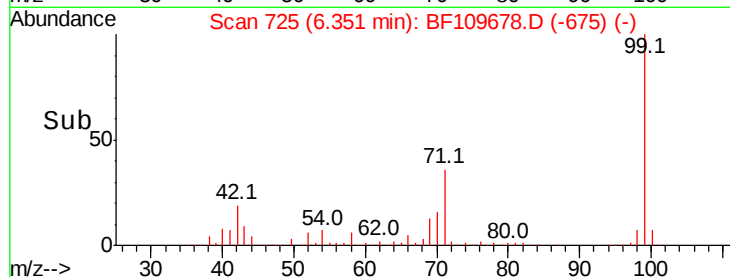
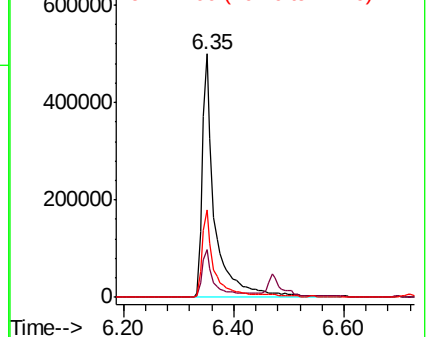
99 100

42 19.6 15.8 23.6

71 36.2 28.0 42.0



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: 7.97 min Scan# 1001

Delta R.T. -0.01 min

Lab File: BF109678.D

Acq: 9 Oct 2018 6:06

Tgt Ion: 136 Resp: 389543

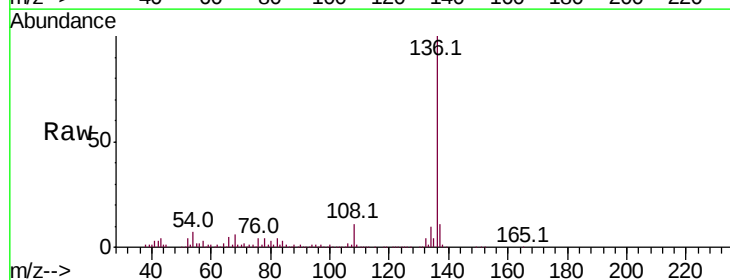
Ion Ratio Lower Upper

136 100

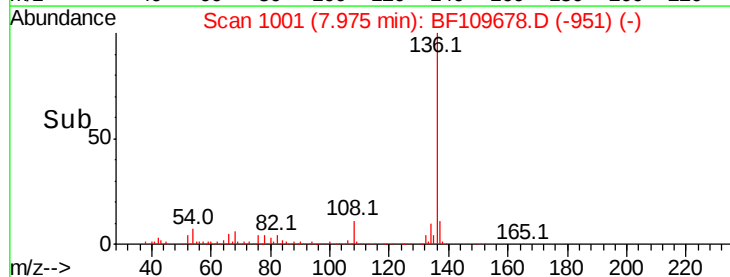
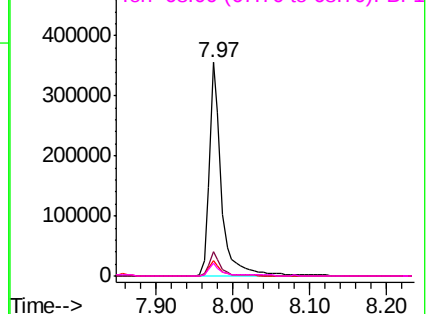
137 11.3 8.8 13.2

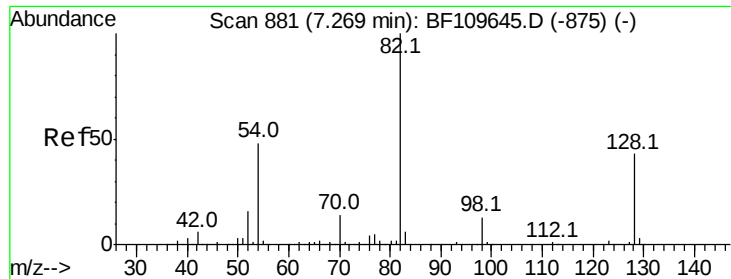
54 7.2 5.4 8.2

68 5.9 4.2 6.2



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

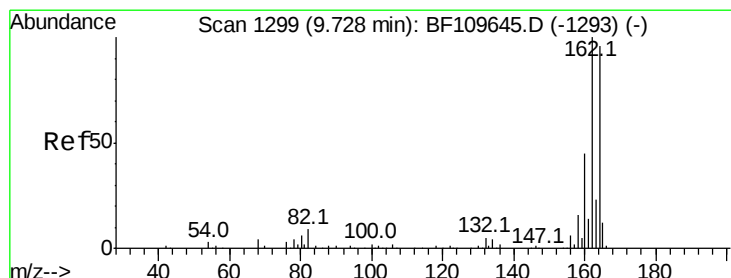
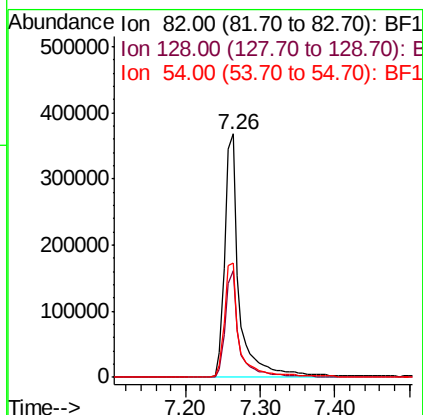
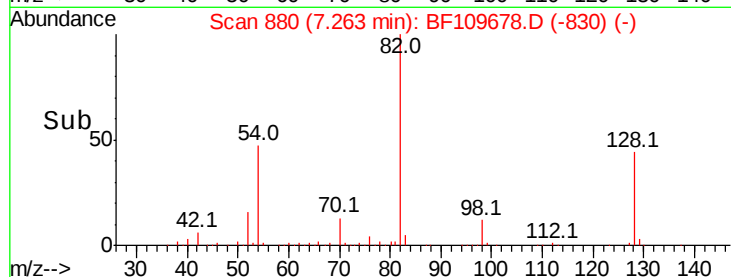
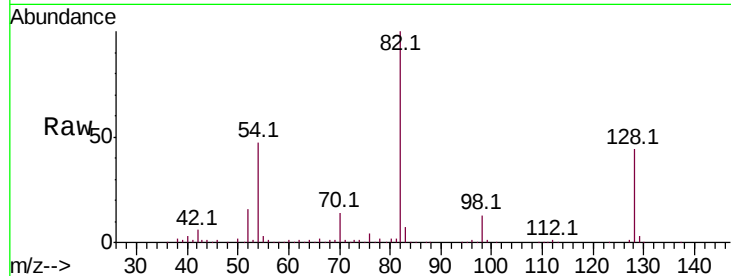




#23
Nitrobenzene-d5
Concen: 69.878 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF109678.D
Acq: 9 Oct 2018 6:06

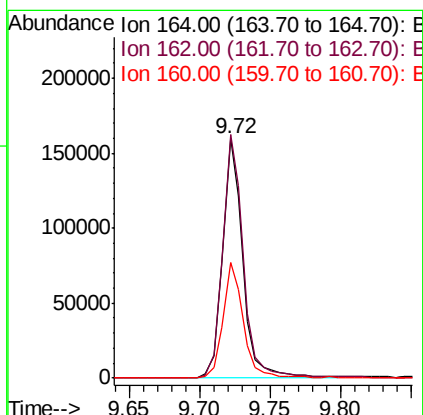
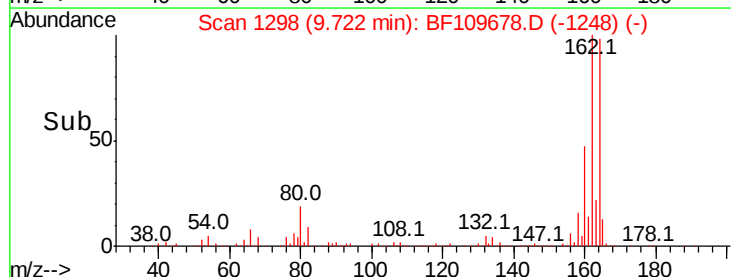
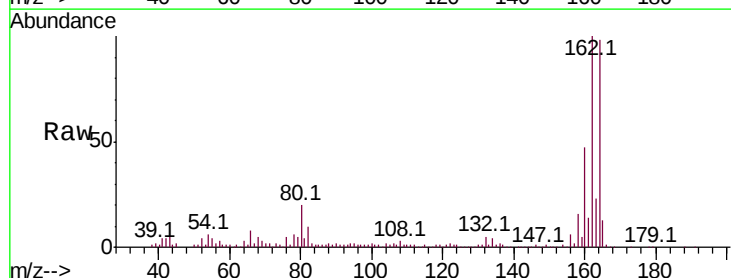
Instrument :
BNA_F
ClientSampleId :
VW-CONCRETE-WALL

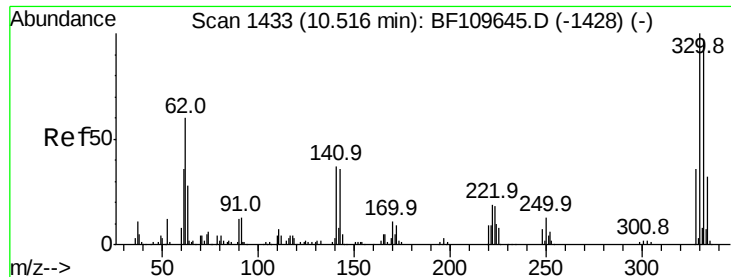
Tot Ion: 82 Resp: 493813
Ion Ratio Lower Upper
82 100
128 43.7 34.2 51.2
54 47.2 38.6 58.0



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109678.D
Acq: 9 Oct 2018 6:06

Tgt Ion:164 Resp: 159985
Ion Ratio Lower Upper
164 100
162 101.6 83.0 124.6
160 48.1 37.0 55.6

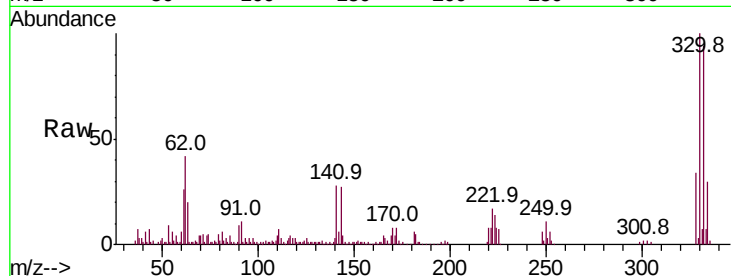




#41
 2,4,6-Tribromophenol
 Concen: 91.925 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. 0.00 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-WALL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	34.2	27.0	40.4

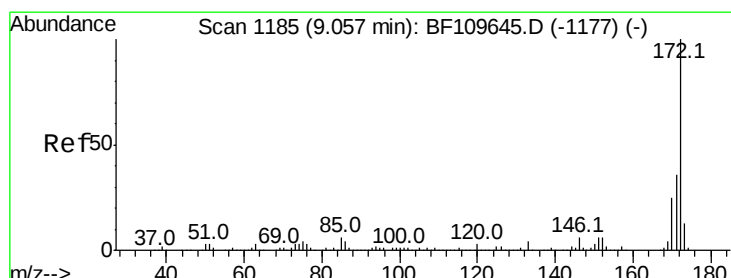
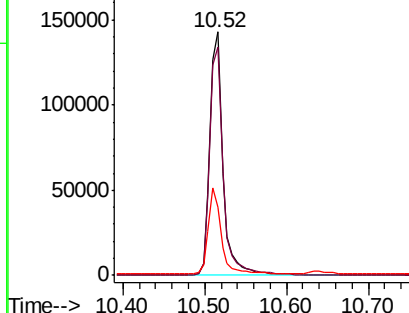
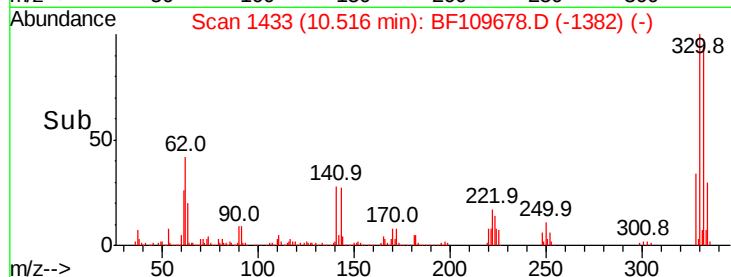


Abundance

Ion 329.80 (329.50 to 330.50): E

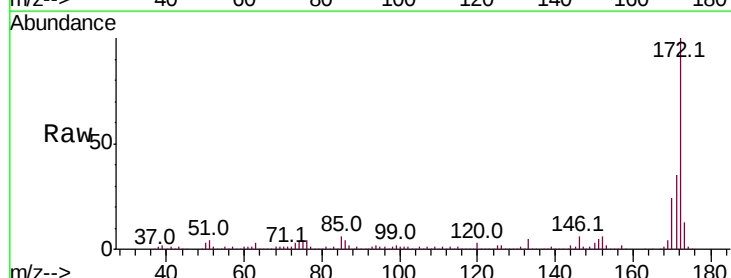
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 73.159 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.01 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.7	19.7	29.5

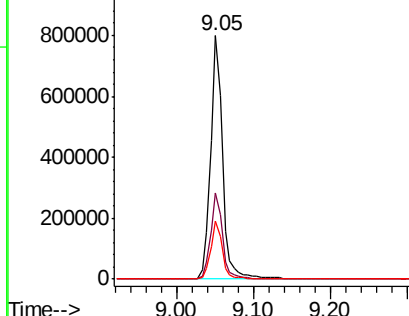
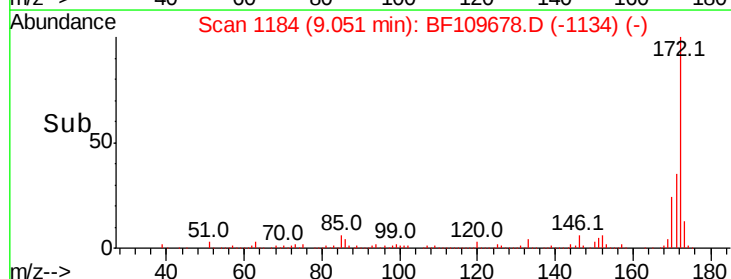


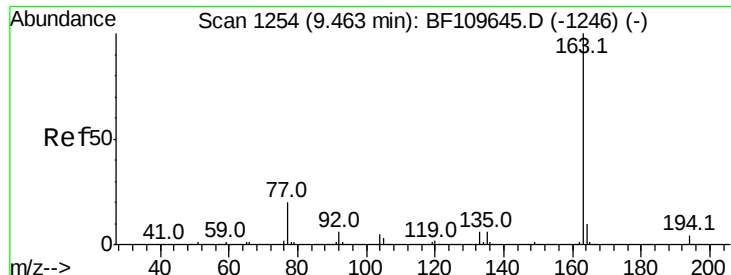
Abundance

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





#49

Dimethylphthalate

Concen: 5.546 ng

RT: 9.45 min Scan# 1251

Delta R.T. -0.02 min

Lab File: BF109678.D

Acq: 9 Oct 2018 6:06

Instrument :

BNA_F

ClientSampleId :

VW-CONCRETE-WALL

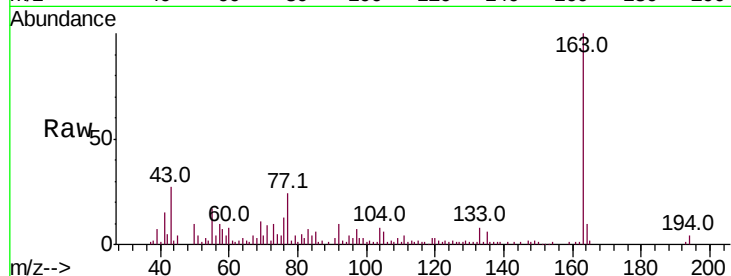
Tot Ion:163 Resp: 65072

Ion Ratio Lower Upper

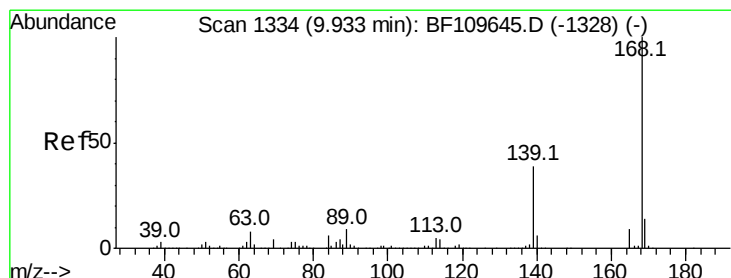
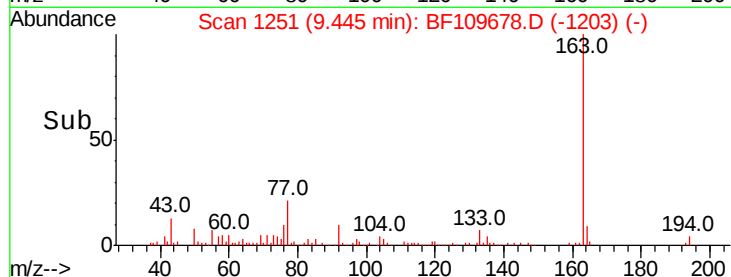
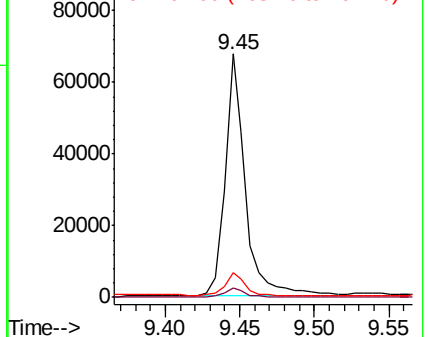
163 100

194 4.1 3.2 4.8

164 10.3 8.1 12.1



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



#54

Dibenzofuran

Concen: 2.634 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF109678.D

Acq: 9 Oct 2018 6:06

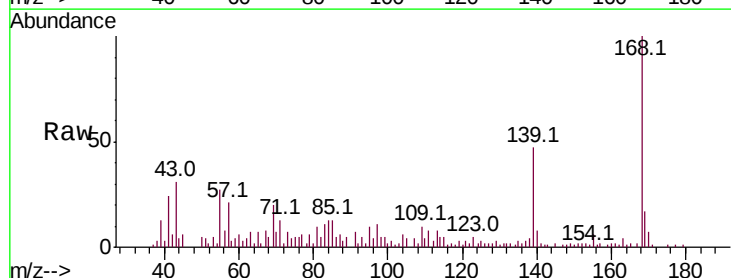
Tgt Ion:168 Resp: 36542

Ion Ratio Lower Upper

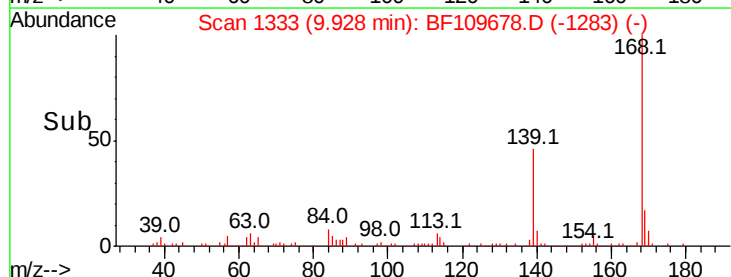
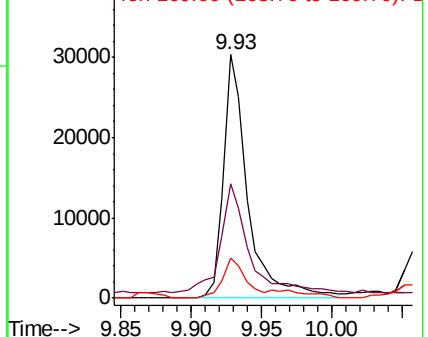
168 100

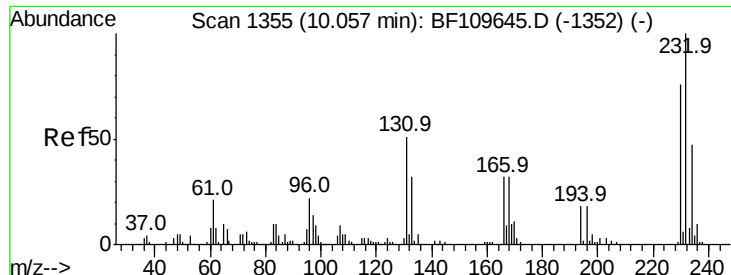
139 46.9 33.0 49.6

169 16.7 11.3 16.9



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

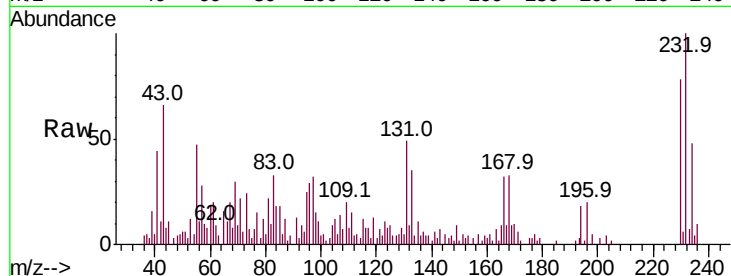




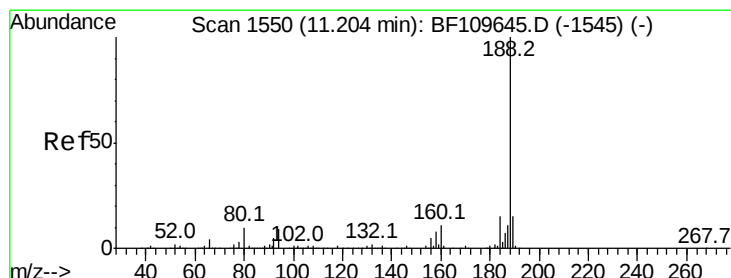
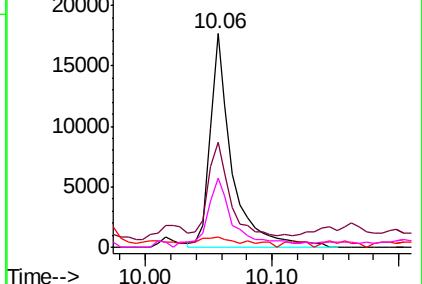
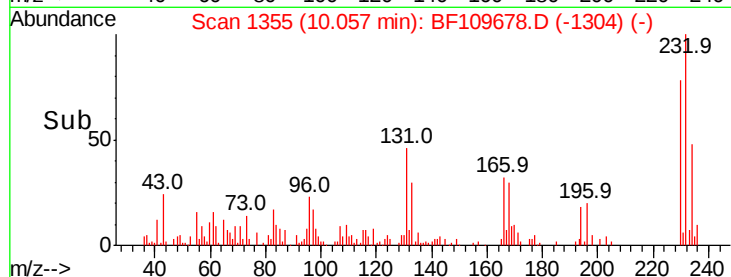
#58
 2,3,4,6-Tetrachlorophenol
 Concen: 7.014 ng
 RT: 10.06 min Scan# 1355
 Delta R.T. 0.00 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-WALL

Tot Ion:232 Resp: 21341
 Ion Ratio Lower Upper
 232 100
 131 46.8 37.0 55.4
 130 4.2 1.8 2.6#
 166 39.8 22.0 33.0#

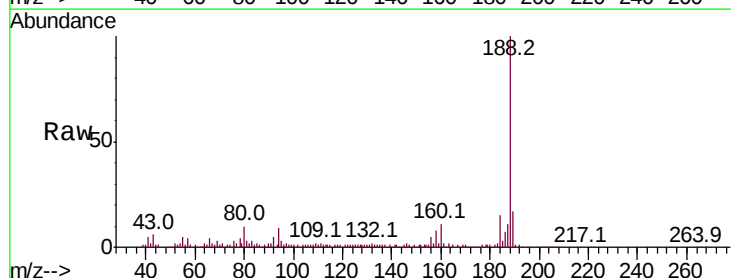


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

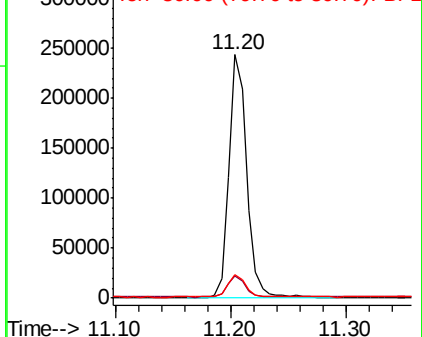
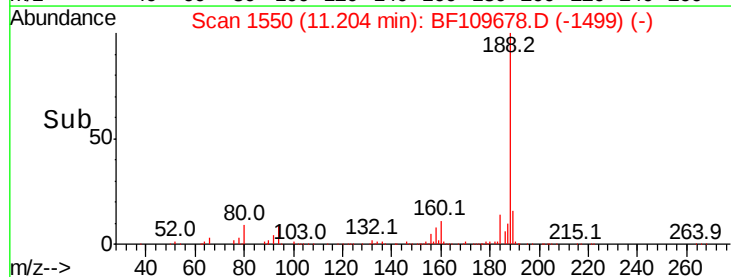


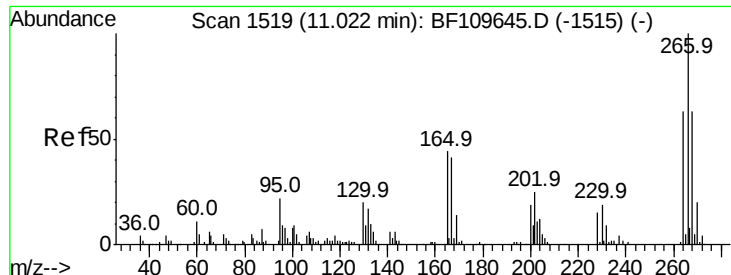
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1550
 Delta R.T. 0.00 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Tgt Ion:188 Resp: 261909
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.2 10.8
 80 9.9 7.9 11.9



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

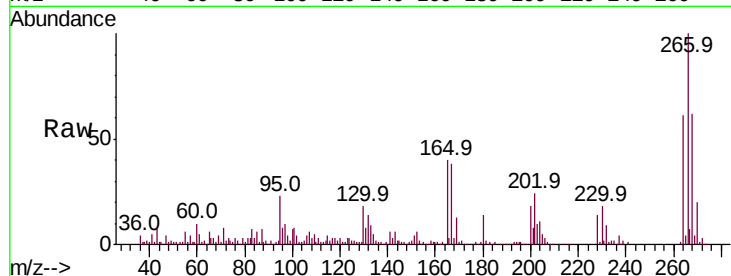




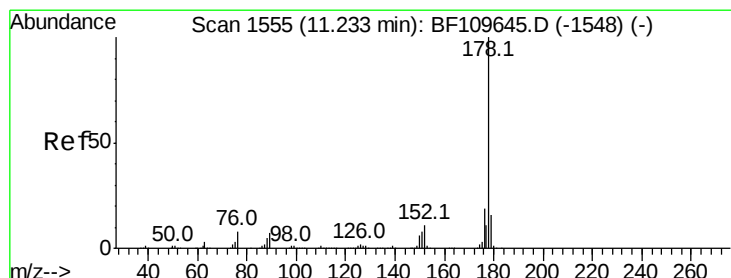
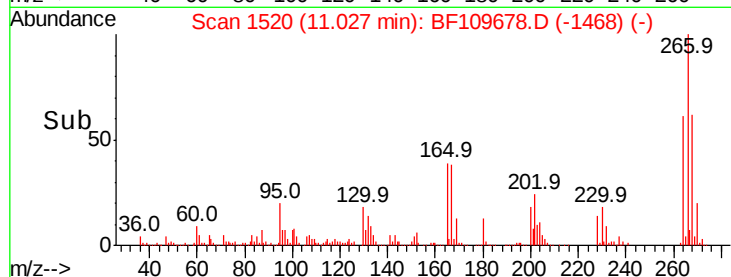
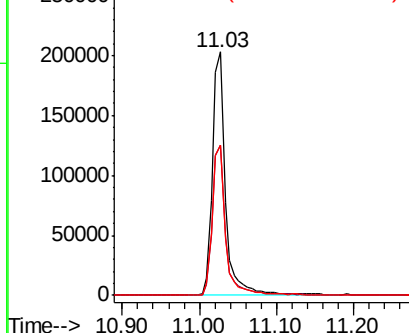
#69
 Pentachlorophenol
 Concen: 129.171 ng
 RT: 11.03 min Scan# 1520
 Delta R.T. 0.01 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-WALL

Tot Ion:266 Resp: 236858
 Ion Ratio Lower Upper
 266 100
 268 61.6 50.6 75.8
 264 61.4 50.6 75.8

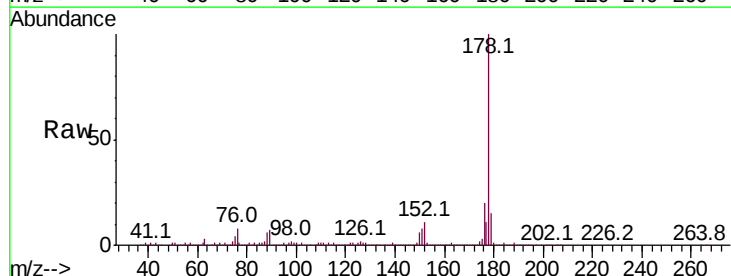


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

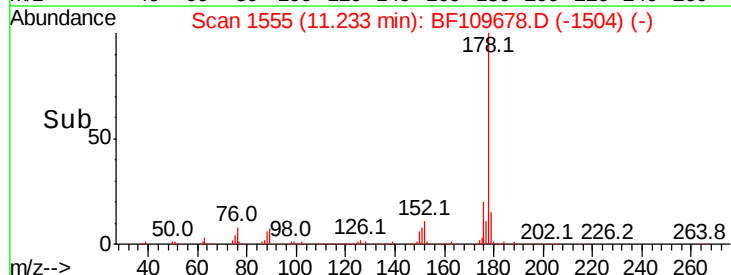
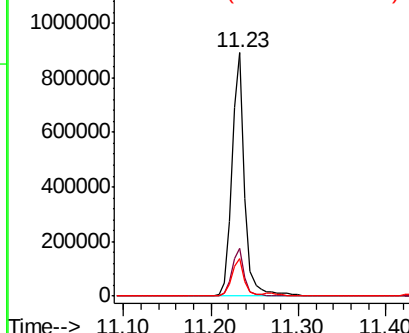


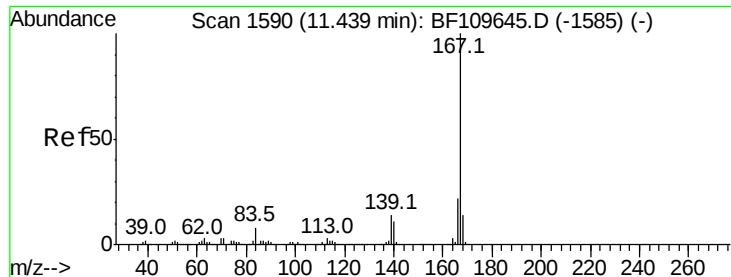
#70
 Phenanthrene
 Concen: 67.533 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. 0.00 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Tgt Ion:178 Resp: 885154
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.5 23.3
 179 15.5 12.5 18.7



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

Carbazole

Concen: 2.994 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF109678.D

Acq: 9 Oct 2018 6:06

Instrument :

BNA_F

ClientSampleId :

VW-CONCRETE-WALL

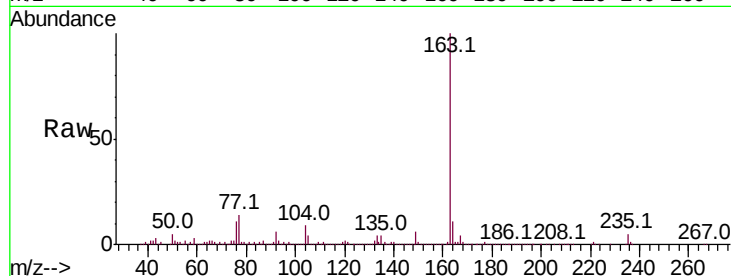
Tot Ion:167 Resp: 39341

Ion Ratio Lower Upper

167 100

166 24.1 17.4 26.0

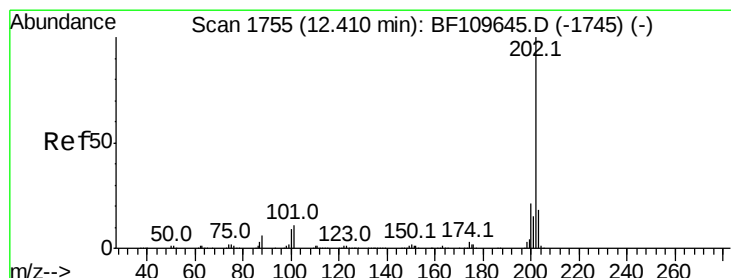
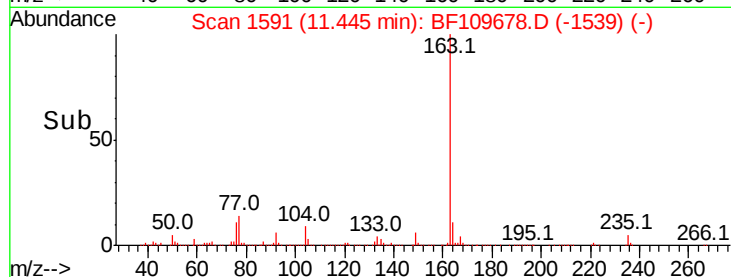
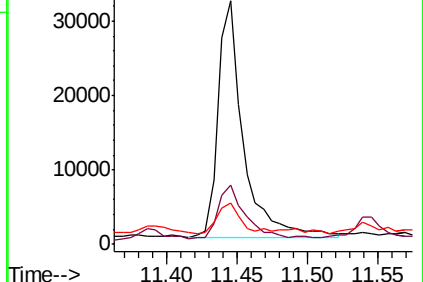
139 17.0 10.9 16.3#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 24.121 ng

RT: 12.42 min Scan# 1756

Delta R.T. 0.01 min

Lab File: BF109678.D

Acq: 9 Oct 2018 6:06

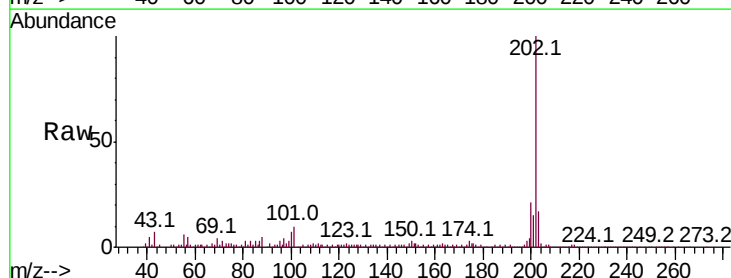
Tgt Ion:202 Resp: 330281

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.4

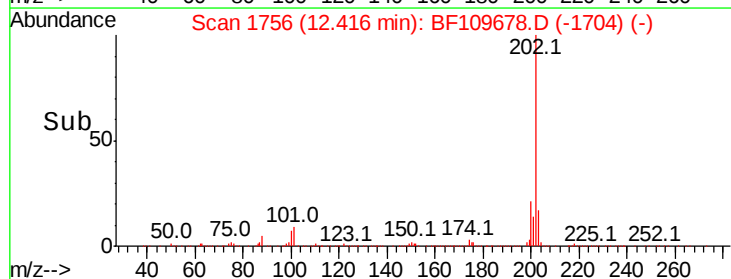
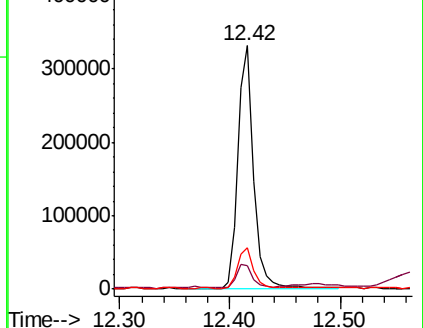
203 17.1 0.0 37.7

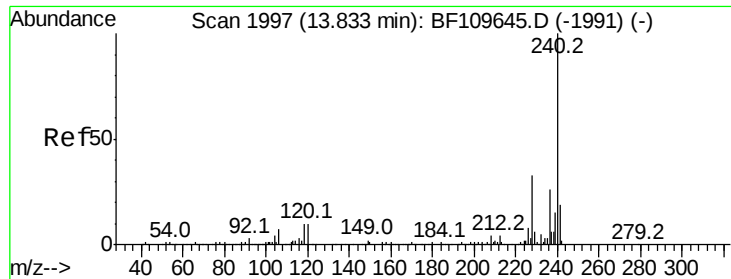


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF109678.D

Acq: 9 Oct 2018 6:06

Instrument :

BNA_F

ClientSampleId :

VW-CONCRETE-WALL

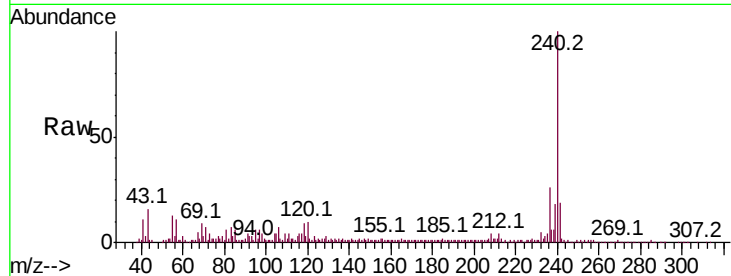
Tot Ion:240 Resp: 213465

Ion Ratio Lower Upper

240 100

120 9.8 8.3 12.5

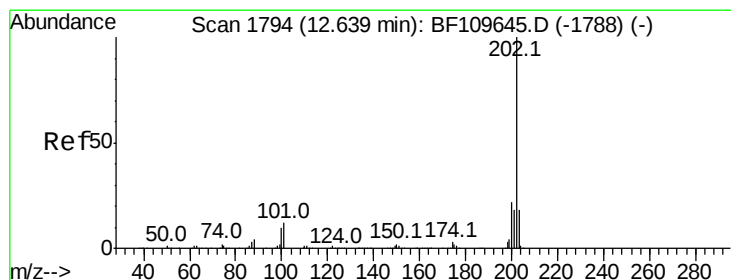
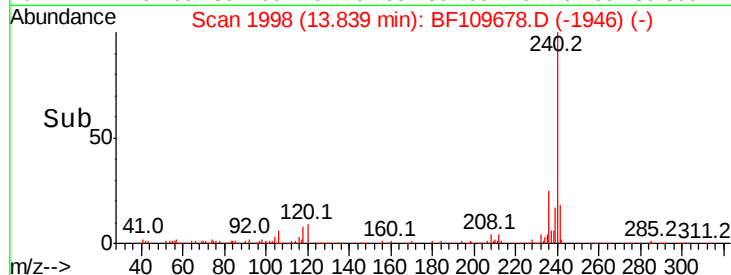
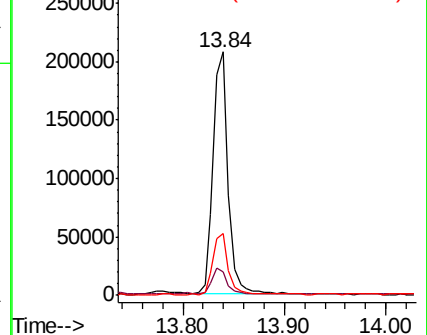
236 25.6 21.2 31.8



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



#77

Pyrene

Concen: 10.880 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF109678.D

Acq: 9 Oct 2018 6:06

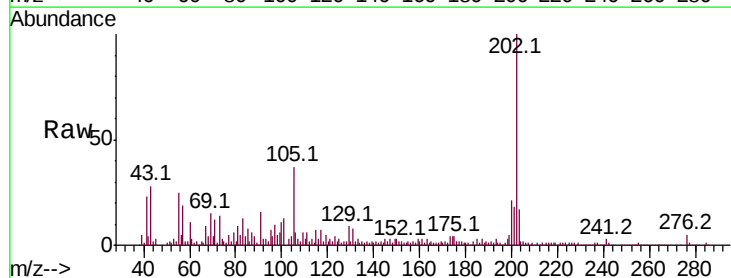
Tgt Ion:202 Resp: 170165

Ion Ratio Lower Upper

202 100

200 21.1 17.8 26.6

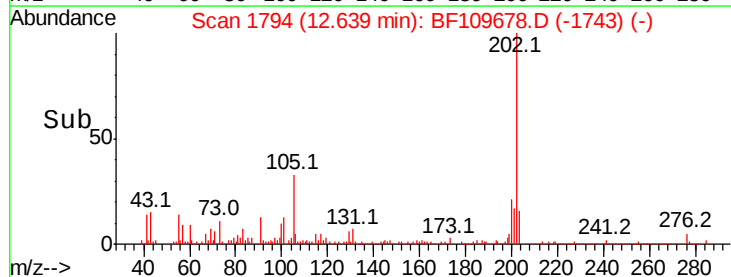
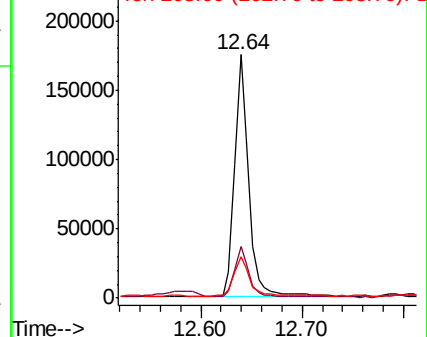
203 17.2 14.2 21.4

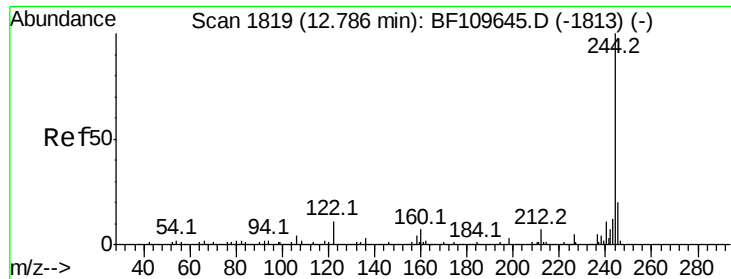


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

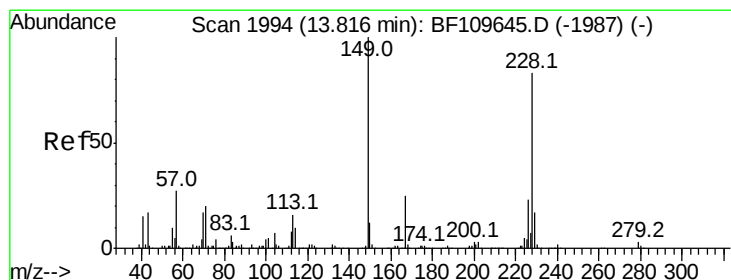
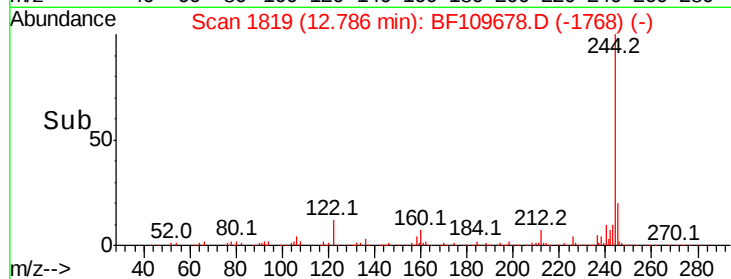
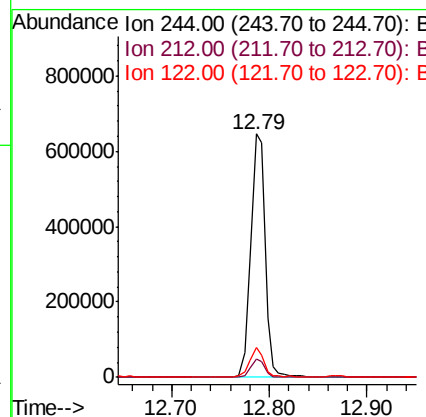
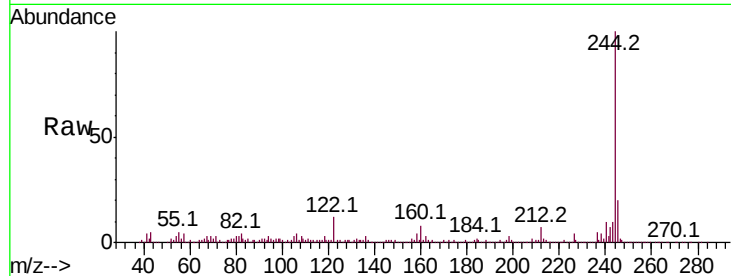




#78
 Terphenyl-d14
 Concen: 60.527 ng
 RT: 12.79 min Scan# 1819
 Delta R.T. 0.00 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

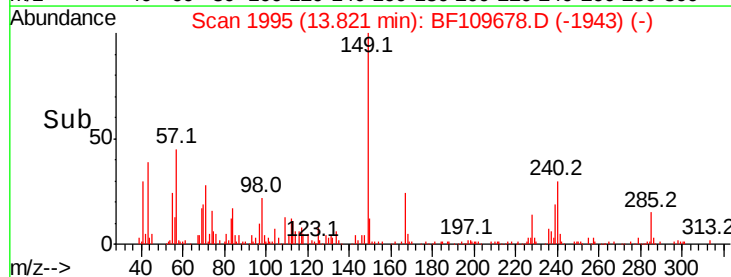
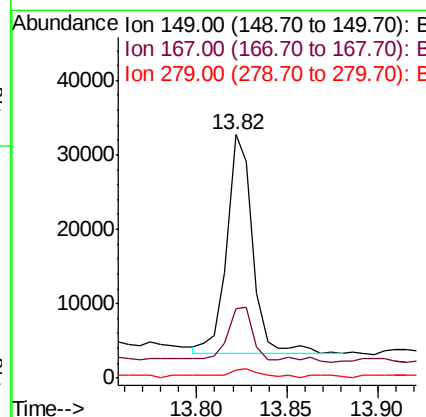
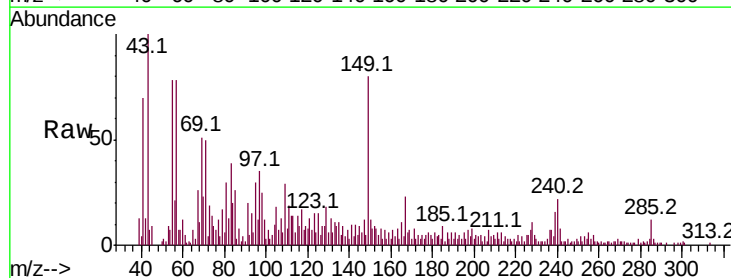
Instrument :
 BNA_F
 ClientSampleId :
 VW-CONCRETE-WALL

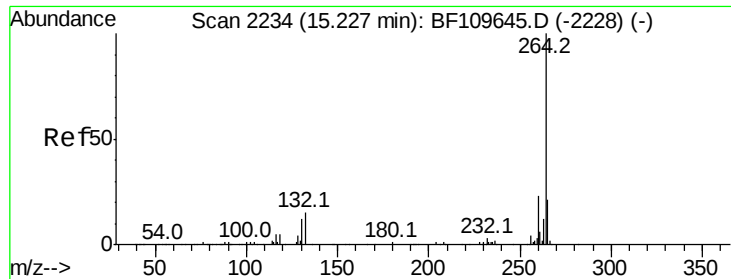
Tot Ion:244 Resp: 667436
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 12.4 8.7 13.1



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.495 ng
 RT: 13.82 min Scan# 1995
 Delta R.T. 0.01 min
 Lab File: BF109678.D
 Acq: 9 Oct 2018 6:06

Tgt Ion:149 Resp: 28913
 Ion Ratio Lower Upper
 149 100
 167 28.5 19.8 29.8
 279 3.6 2.7 4.1

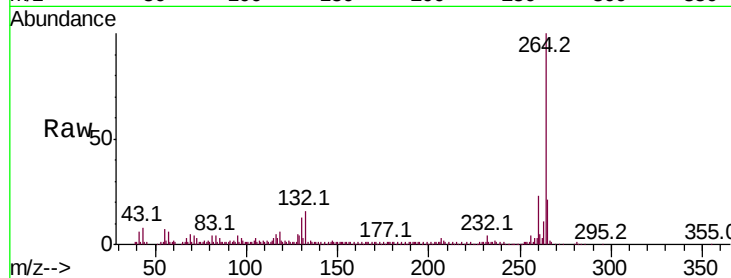




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF109678.D
Acq: 9 Oct 2018 6:06

Instrument :
BNA_F
ClientSampleId :
VW-CONCRETE-WALL

Tot Ion:264 Resp: 182114
Ion Ratio Lower Upper
264 100
260 23.5 18.7 28.1
265 21.2 16.7 25.1



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

