

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
 Data File : BF110537.D
 Acq On : 7 Nov 2018 1:16
 Operator : JU/SJ
 Sample : J5764-19 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 07 08:47:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

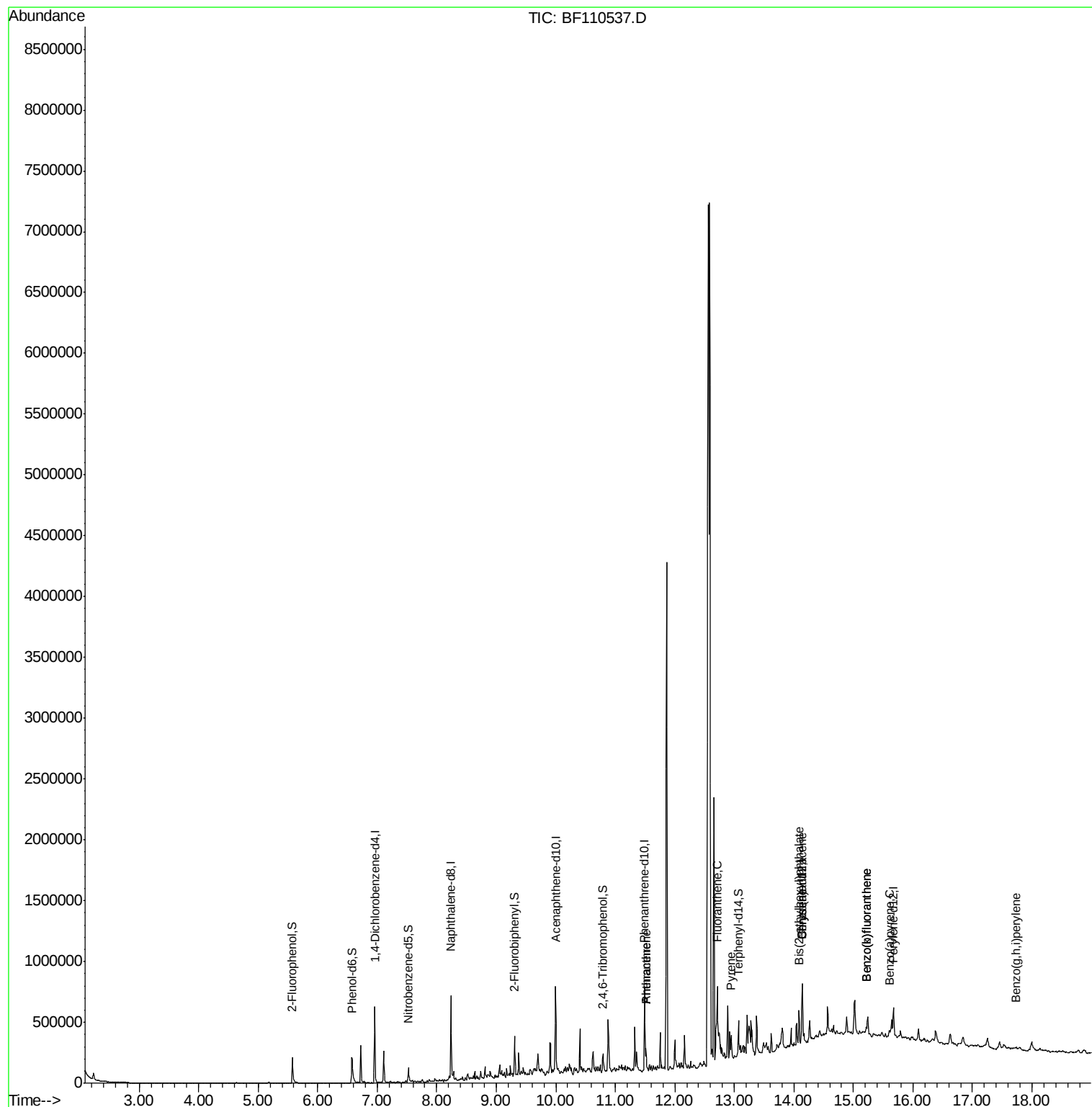
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	91586	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	342303	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	132736	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	235096	20.00	ng	0.00
76) Chrysene-d12	14.14	240	155466	20.00	ng	0.00
87) Perylene-d12	15.67	264	120830	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	81950	14.57	ng	0.00
7) Phenol-d6	6.57	99	105336	14.64	ng	0.00
23) Nitrobenzene-d5	7.52	82	54916	9.52	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	16716	12.71	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	108993	12.89	ng	0.00
79) Terphenyl-d14	13.07	244	93001	12.44	ng	0.00
Target Compounds						
9) Benzaldehyde	6.72	77	1822	Below Cal	#	79
71) Phenanthrene	11.52	178	56795	4.62	ng	97
72) Anthracene	11.52	178	56795	4.61	ng	98
75) Fluoranthene	12.71	202	81363	6.52	ng	96
77) Benzidine	12.83	184	139	Below Cal	#	1
78) Pyrene	12.94	202	69953	6.28	ng	97
81) Benzo(a)anthracene	14.13	228	30836	3.34	ng	94
83) Chrysene	14.13	228	30836	3.52	ng	96
84) Bis(2-ethylhexyl)phthalate	14.09	149	72863	11.14	ng	94
88) Benzo(b)fluoranthene	15.22	252	38746	5.55	ng	# 71
89) Benzo(k)fluoranthene	15.22	252	38746	5.65	ng	# 70
90) Benzo(a)pyrene	15.60	252	20328	3.17	ng	# 78
92) Benzo(a,h,i)perylene	17.73	276	12038	2.21	ng	# 77

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

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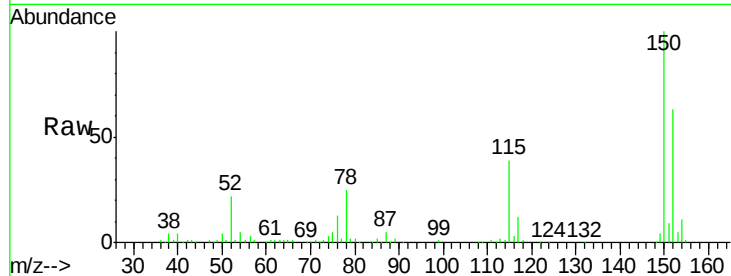


#1

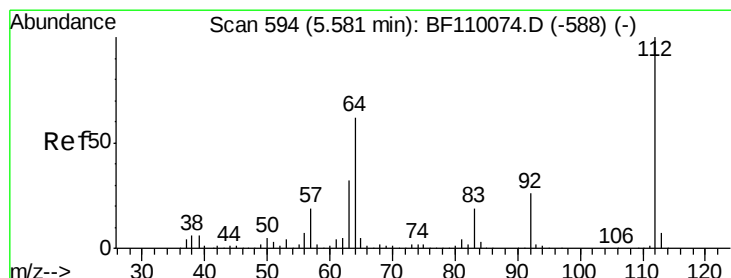
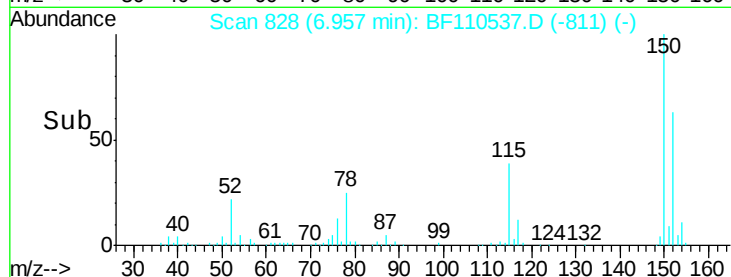
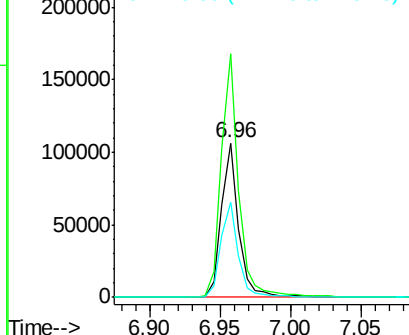
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.96 min Scan# 828
Delta R.T. 0.00 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 91586
Ion Ratio Lower Upper
152 100
150 157.5 122.7 184.1
115 61.3 49.1 73.7



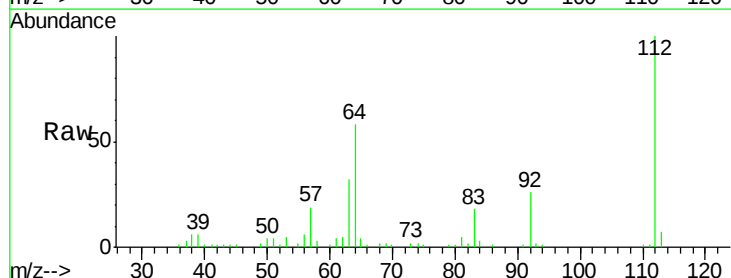
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



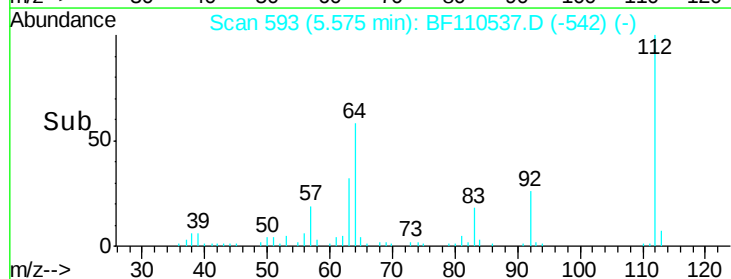
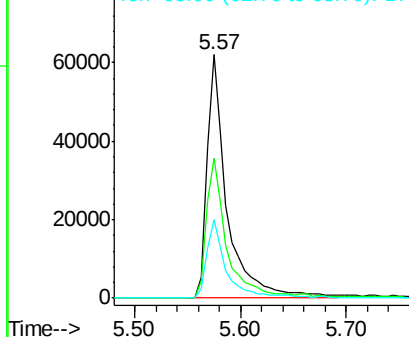
#5

2-Fluorophenol
Concen: 14.57 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Tgt Ion:112 Resp: 81950
Ion Ratio Lower Upper
112 100
64 57.5 44.1 66.1
63 32.3 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: 14.64 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF110537.D

Acq: 7 Nov 2018 1:16

Instrument :

BNA_F

ClientSampleId :

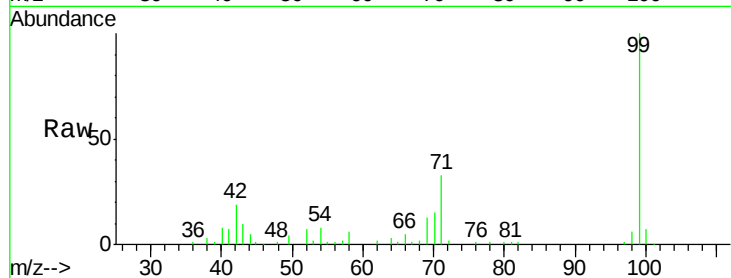
Tot Ion: 99 Resp: 105336

Ion Ratio Lower Upper

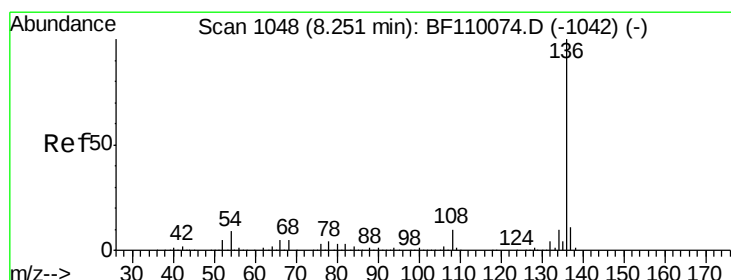
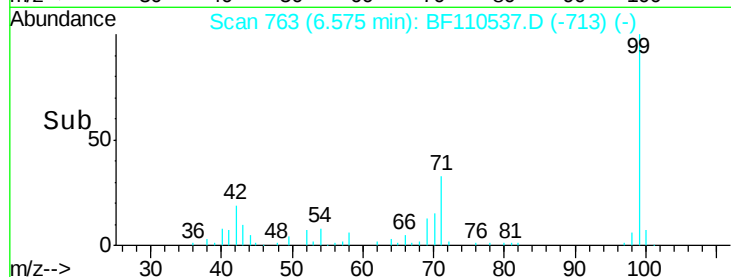
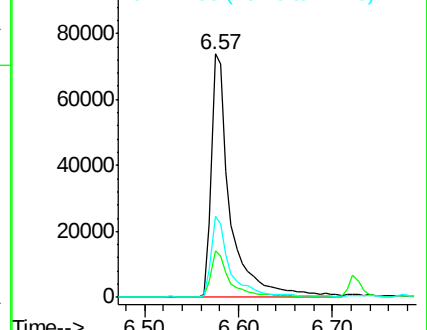
99 100

42 18.9 15.8 23.6

71 33.5 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: 20.00 ng

RT: 8.24 min Scan# 1046

Delta R.T. 0.00 min

Lab File: BF110537.D

Acq: 7 Nov 2018 1:16

Tgt Ion: 136 Resp: 342303

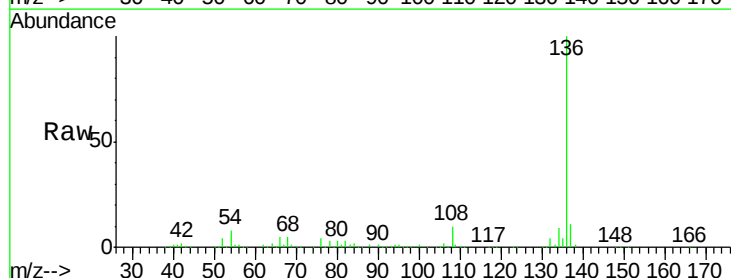
Ion Ratio Lower Upper

136 100

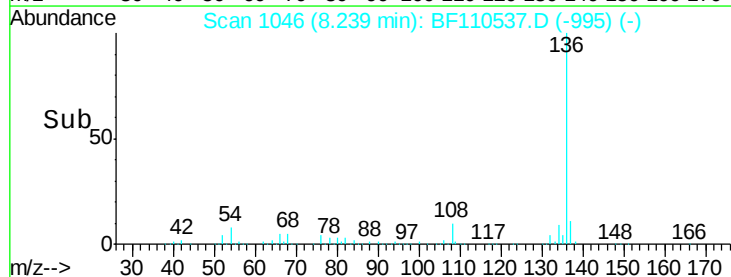
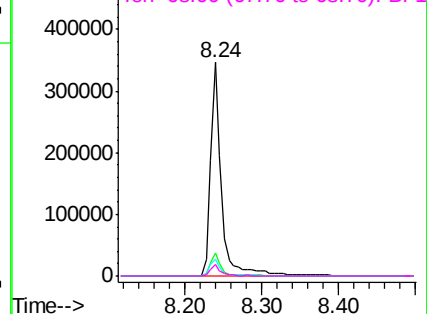
137 10.9 8.8 13.2

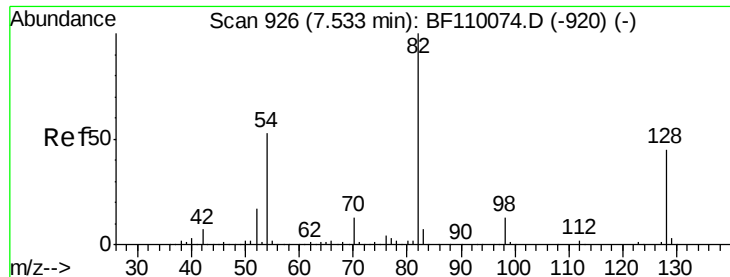
54 7.9 5.4 8.2

68 5.3 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

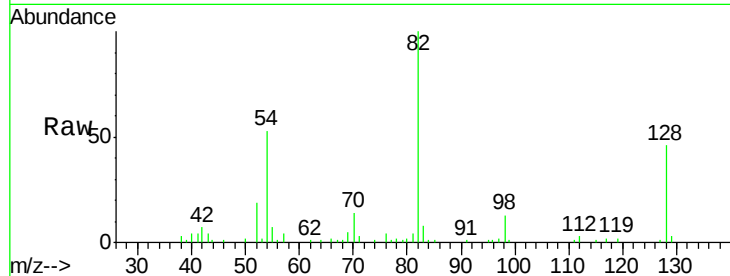




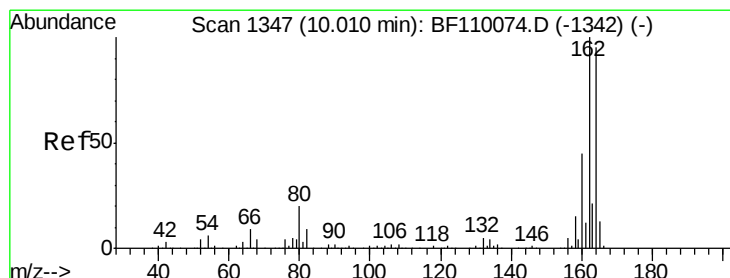
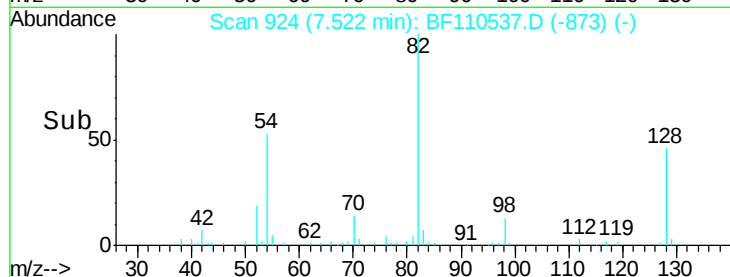
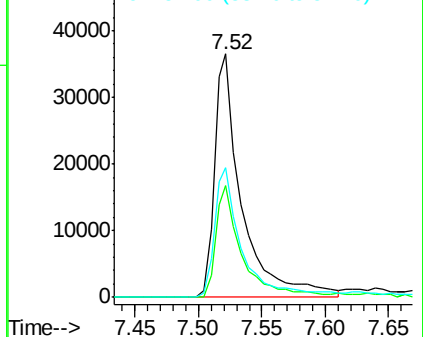
#23
Nitrobenzene-d5
Concen: 9.52 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.00 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 54916
Ion Ratio Lower Upper
82 100
128 45.8 34.2 51.2
54 53.2 38.6 58.0

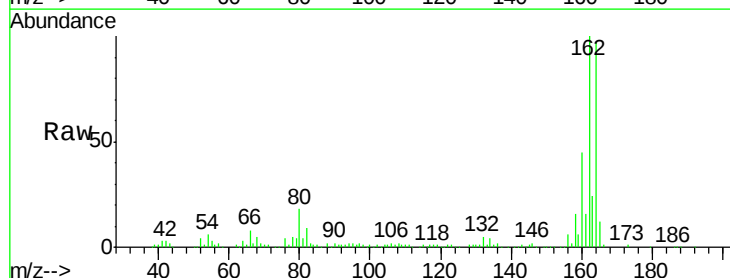


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

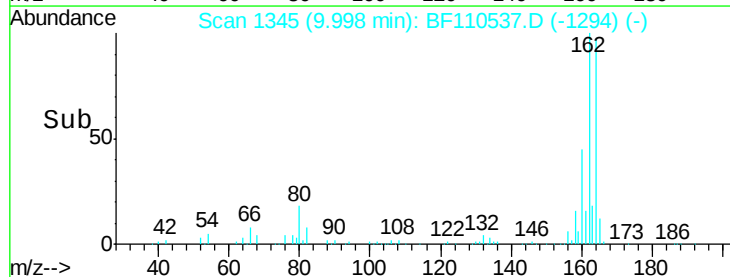
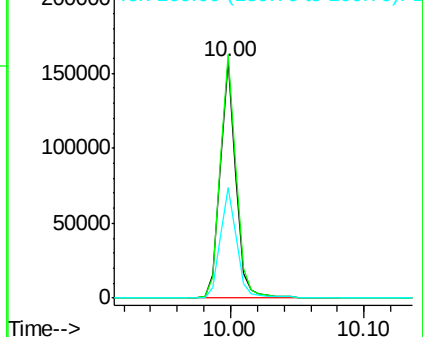


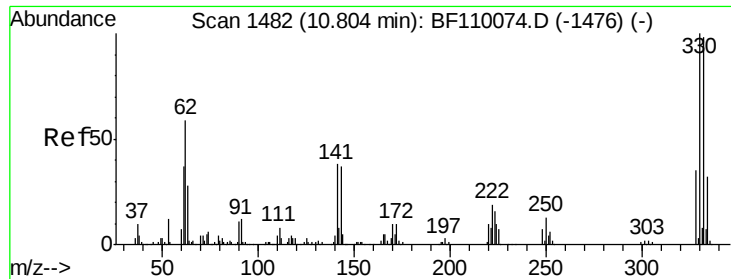
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.00 min Scan# 1345
Delta R.T. 0.00 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Tgt Ion: 164 Resp: 132736
Ion Ratio Lower Upper
164 100
162 102.7 83.0 124.6
160 46.6 37.0 55.6



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

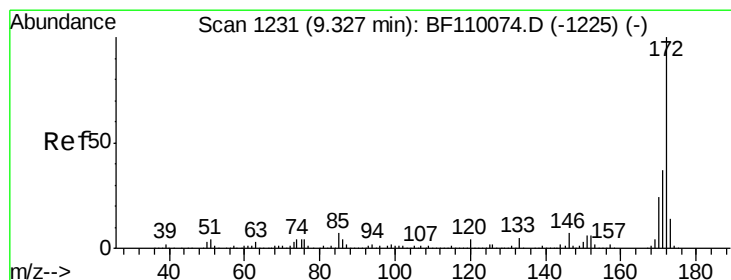
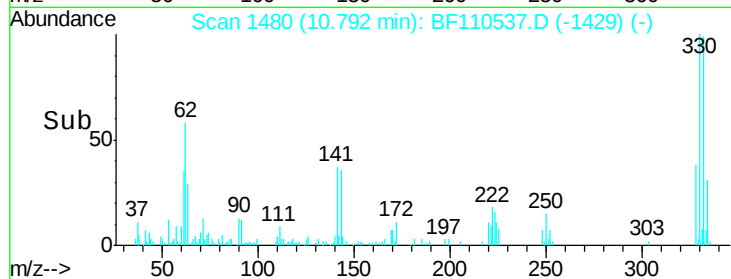
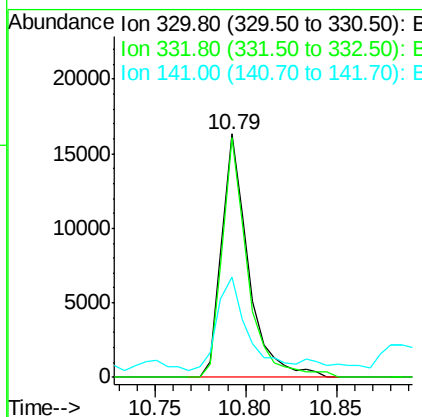
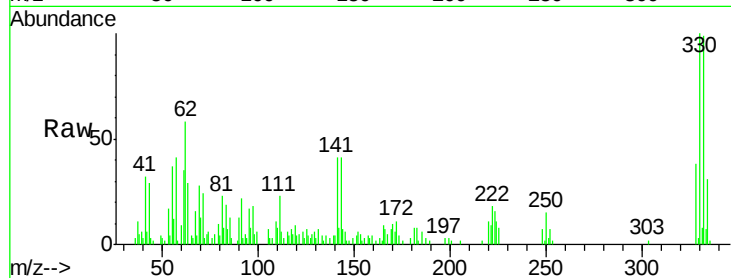




#42
 2,4,6-Tribromophenol
 Concen: 12.71 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: BF110537.D
 Acq: 7 Nov 2018 1:16

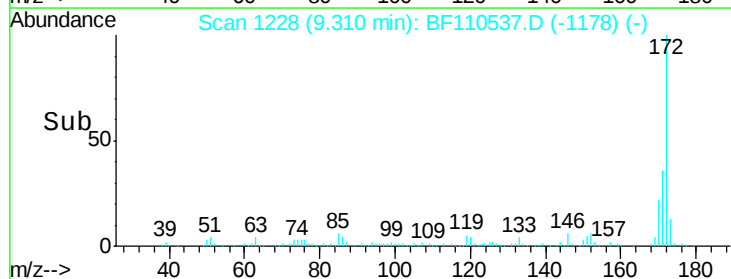
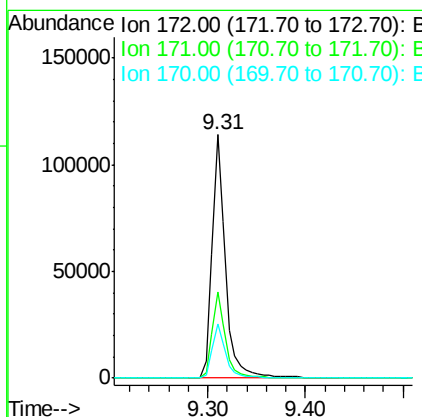
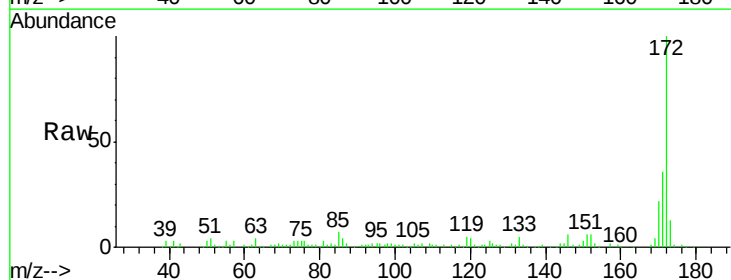
Instrument :
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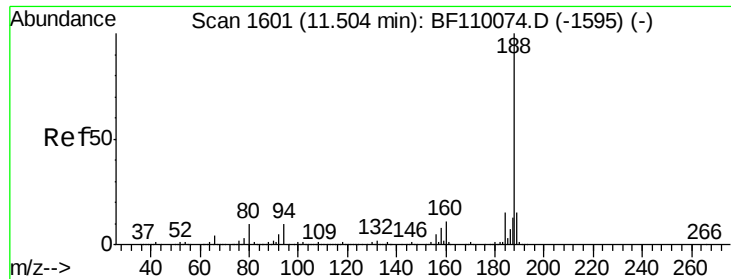
Tot Ion:330 Resp: 16716
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.1 115.7
 141 42.9 27.0 40.4#



#45
 2-Fluorobiphenyl
 Concen: 12.89 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF110537.D
 Acq: 7 Nov 2018 1:16

Tgt Ion:172 Resp: 108993
 Ion Ratio Lower Upper
 172 100
 171 35.6 28.6 43.0
 170 22.1 19.7 29.5

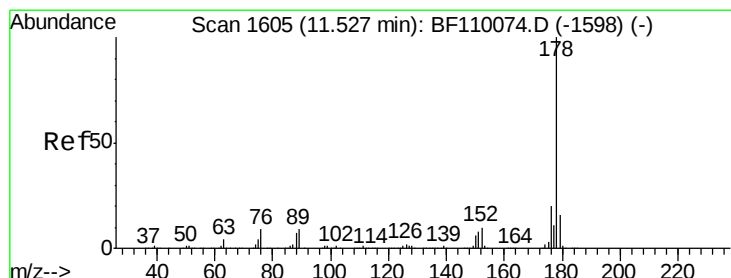
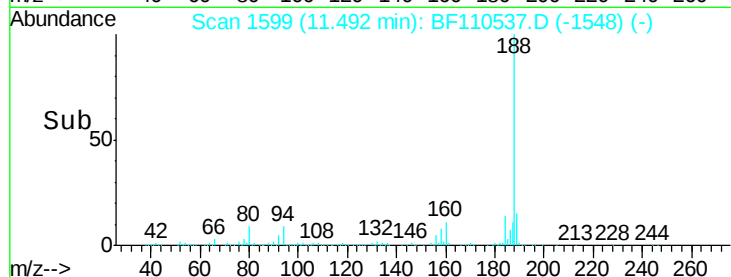
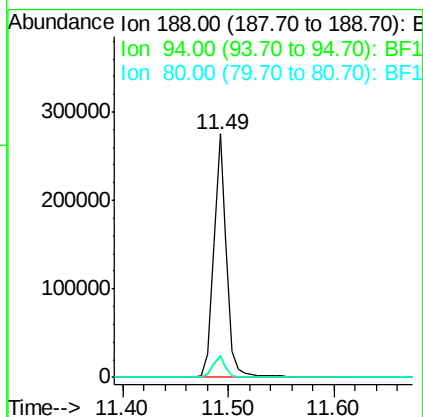
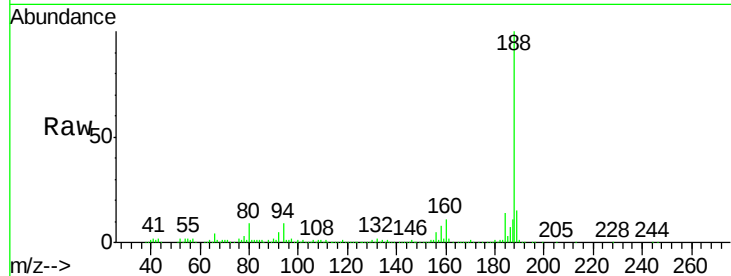




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.00 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

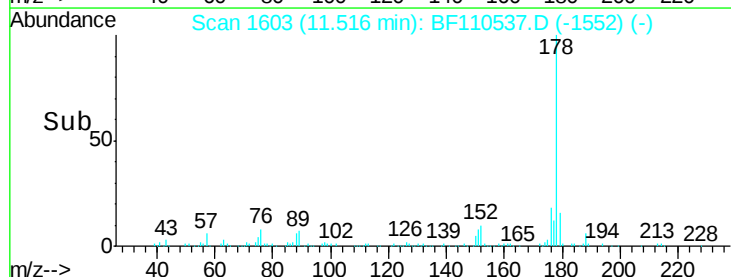
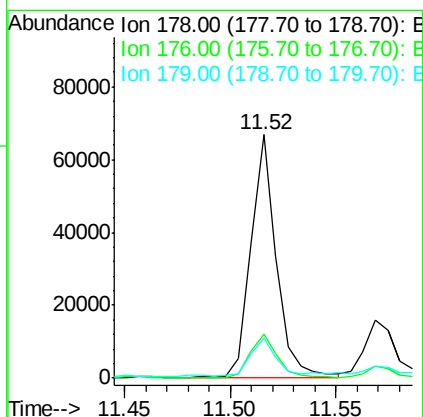
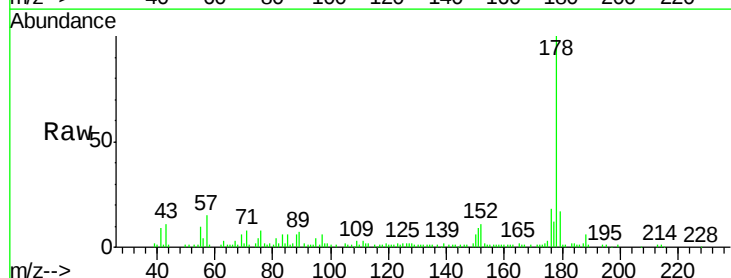
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ClientSampleId :

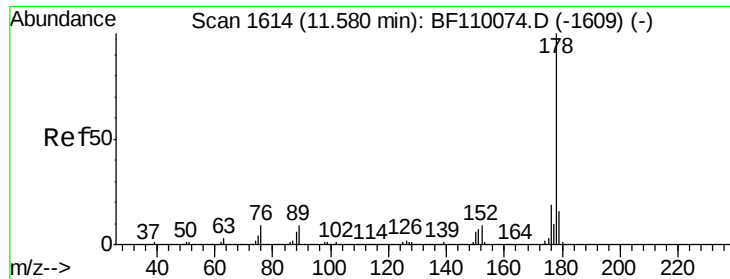
Tot Ion:188 Resp: 235096
Ion Ratio Lower Upper
188 100
94 8.7 7.2 10.8
80 9.3 7.9 11.9



#71
Phenanthrene
Concen: 4.62 ng
RT: 11.52 min Scan# 1603
Delta R.T. 0.00 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Tgt Ion:178 Resp: 56795
Ion Ratio Lower Upper
178 100
176 18.0 15.5 23.3
179 16.5 12.5 18.7

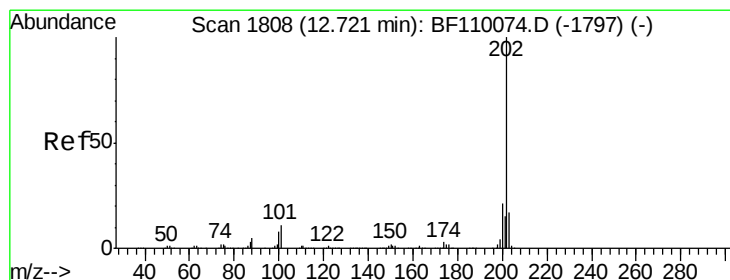
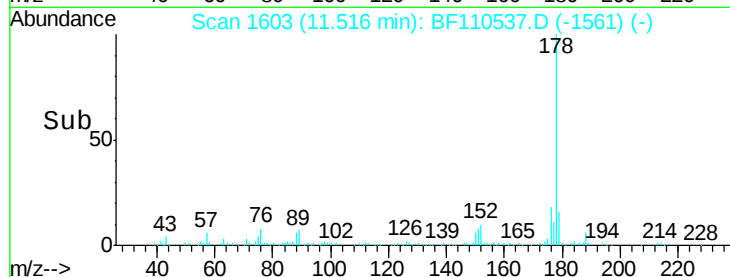
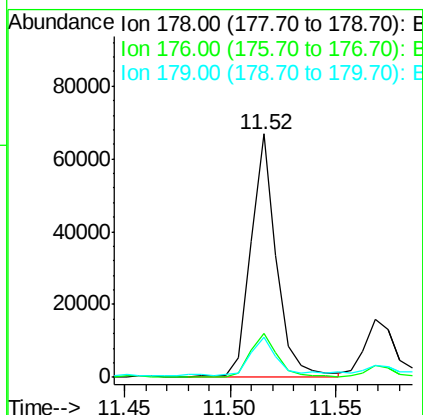
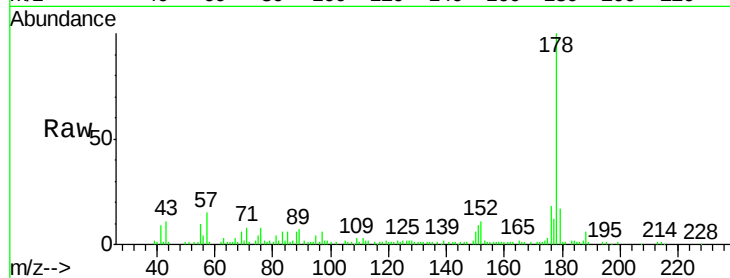




#72
 Anthracene
 Concen: 4.61 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. -0.05 min
 Lab File: BF110537.D
 Acq: 7 Nov 2018 1:16

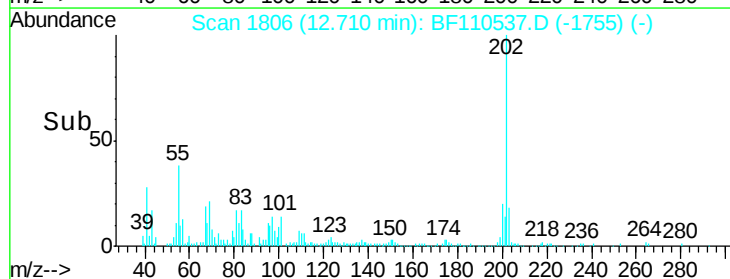
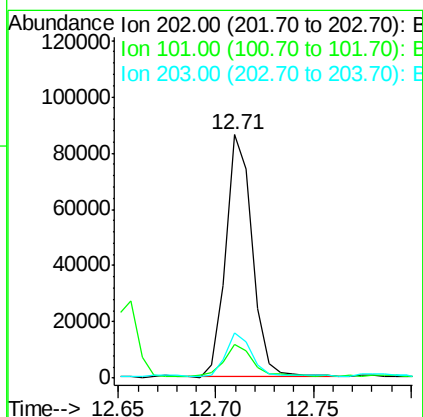
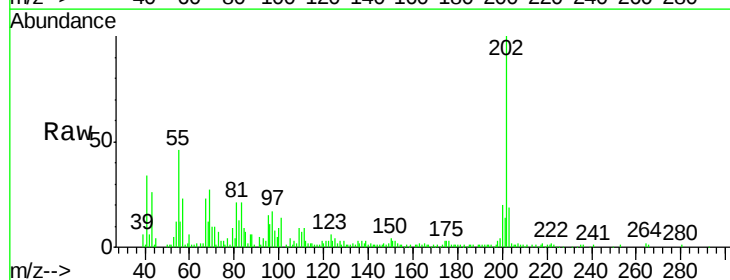
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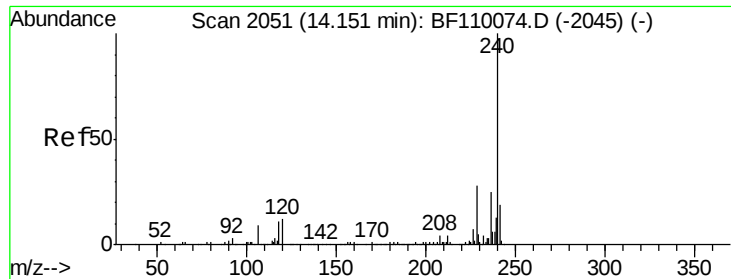
Tot Ion:178 Resp: 56795
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.2
 179 16.5 12.6 18.8



#75
 Fluoranthene
 Concen: 6.52 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. 0.00 min
 Lab File: BF110537.D
 Acq: 7 Nov 2018 1:16

Tgt Ion:202 Resp: 81363
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 31.4
 203 18.7 0.0 37.7

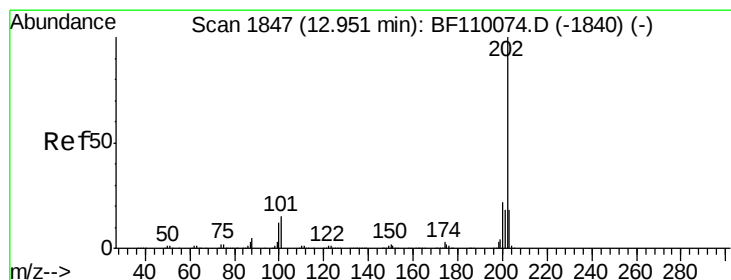
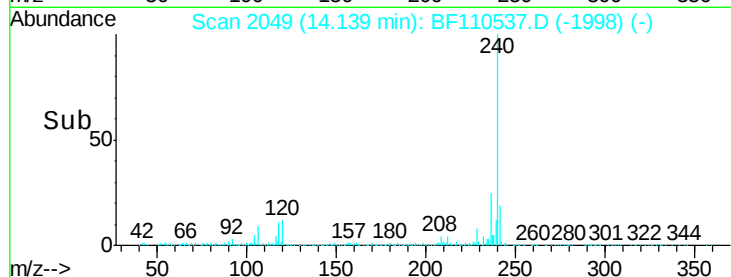
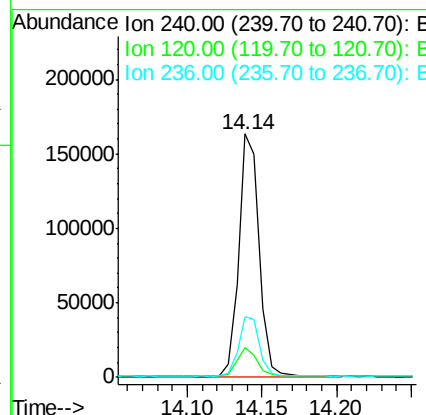
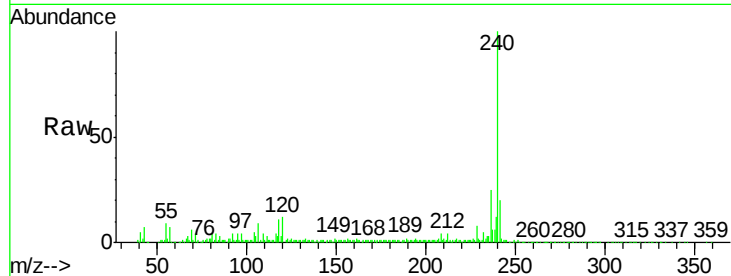




#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

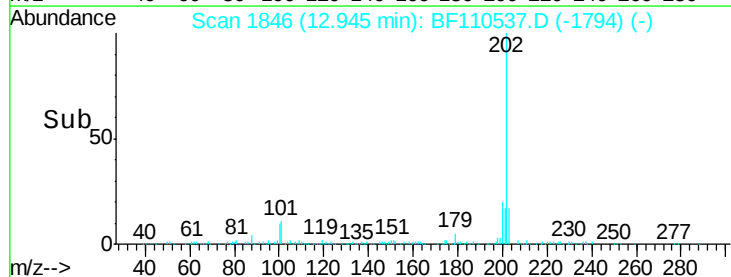
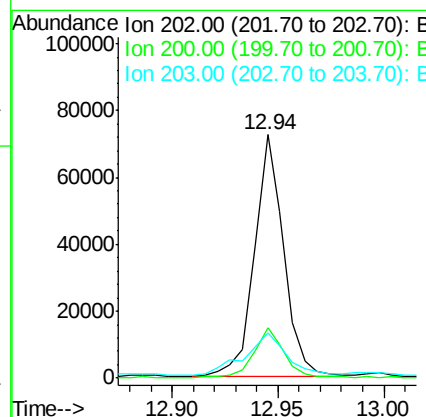
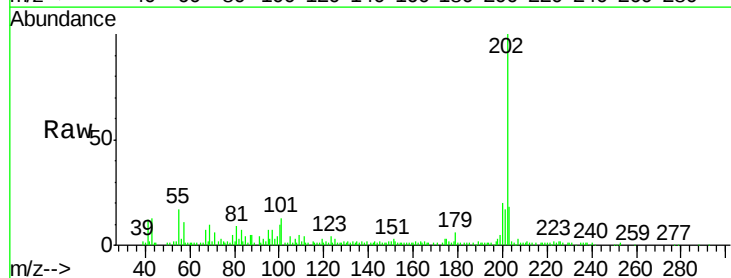
Instrument :
BNA_F
ClientSampleId :

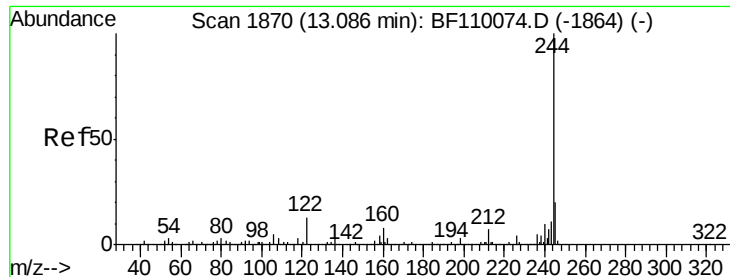
Tot Ion:240 Resp: 155466
Ion Ratio Lower Upper
240 100
120 12.5 8.3 12.5
236 25.0 21.2 31.8



#78
Pyrene
Concen: 6.28 ng
RT: 12.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Tgt Ion:202 Resp: 69953
Ion Ratio Lower Upper
202 100
200 20.5 17.8 26.6
203 18.4 14.2 21.4





#79

Terphenyl-d14

Concen: 12.44 ng

RT: 13.07 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BF110537.D

Acq: 7 Nov 2018 1:16

Instrument :

BNA_F

ClientSampled :

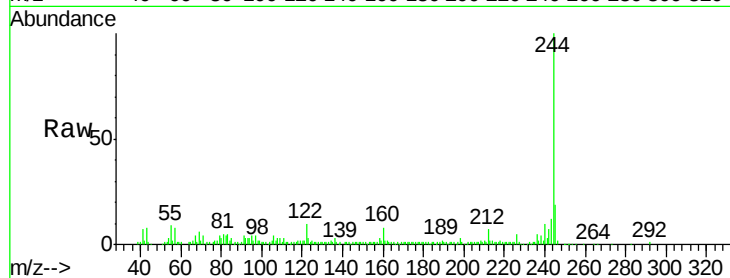
Tot Ion:244 Resp: 93001

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

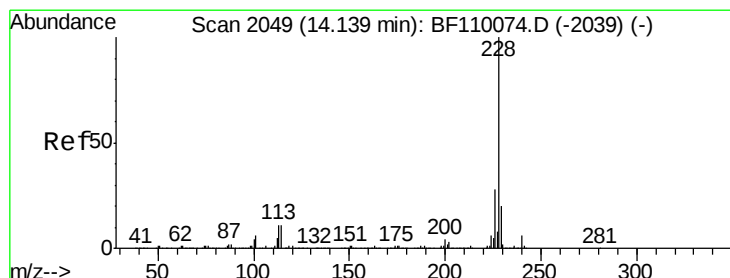
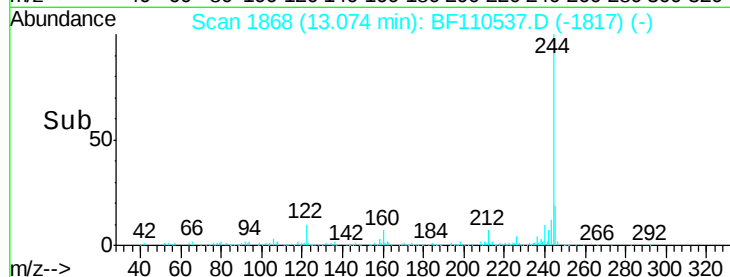
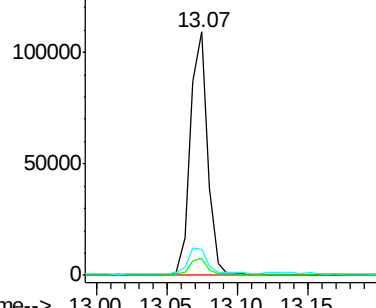
122 10.4 8.7 13.1



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: 3.34 ng

RT: 14.13 min Scan# 2048

Delta R.T. 0.01 min

Lab File: BF110537.D

Acq: 7 Nov 2018 1:16

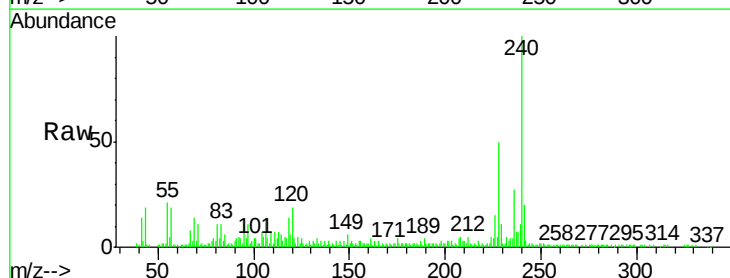
Tgt Ion:228 Resp: 30836

Ion Ratio Lower Upper

228 100

226 29.9 22.1 33.1

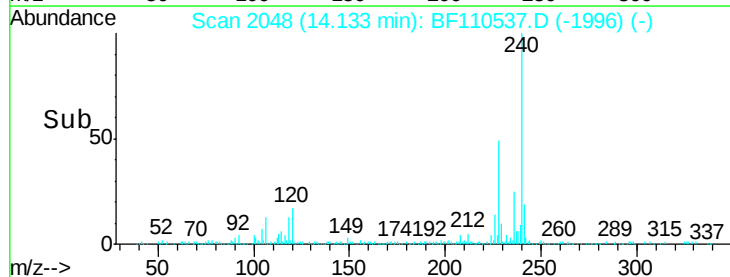
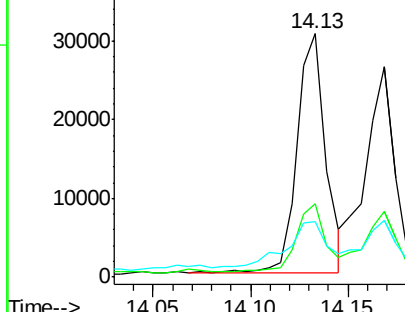
229 22.9 15.6 23.4

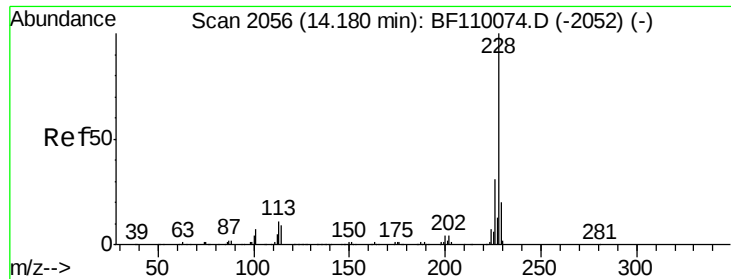


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 3.52 ng

RT: 14.13 min Scan# 2048

Delta R.T. -0.04 min

Lab File: BF110537.D

Acq: 7 Nov 2018 1:16

Instrument :

BNA_F

ClientSampleId :

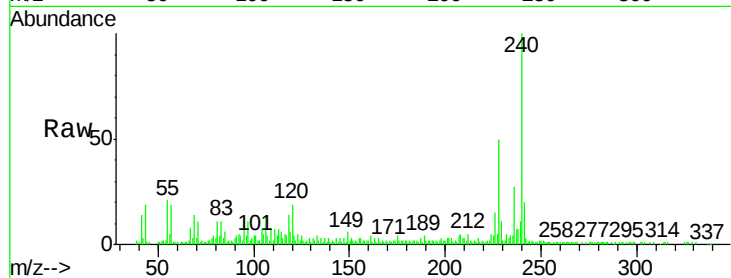
Tot Ion:228 Resp: 30836

Ion Ratio Lower Upper

228 100

226 29.9 24.7 37.1

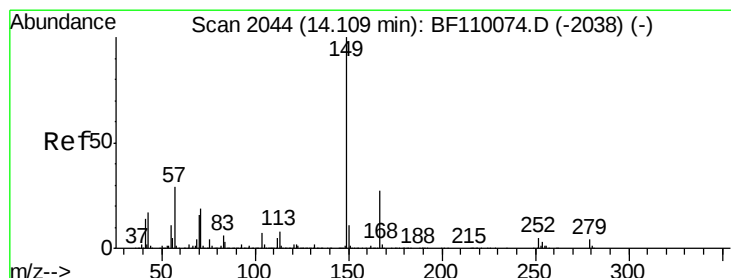
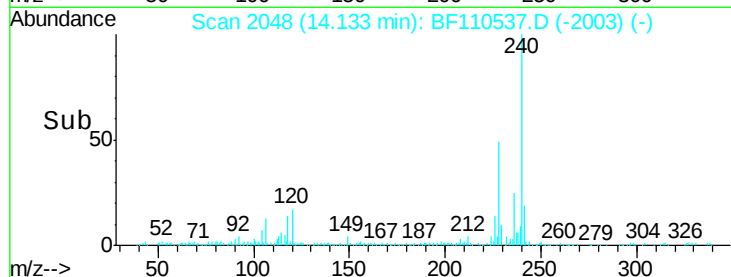
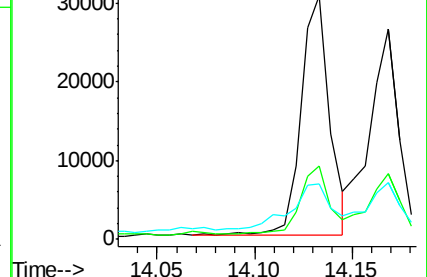
229 22.9 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 11.14 ng

RT: 14.09 min Scan# 2040

Delta R.T. 0.00 min

Lab File: BF110537.D

Acq: 7 Nov 2018 1:16

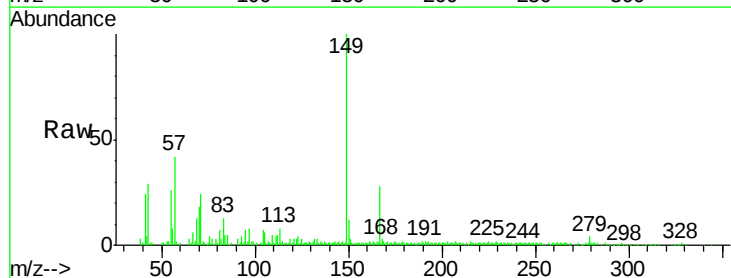
Tgt Ion:149 Resp: 72863

Ion Ratio Lower Upper

149 100

167 28.0 19.8 29.8

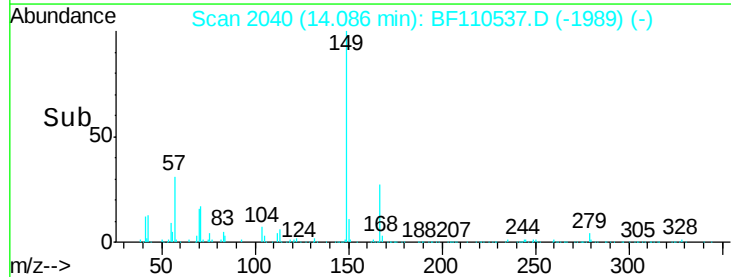
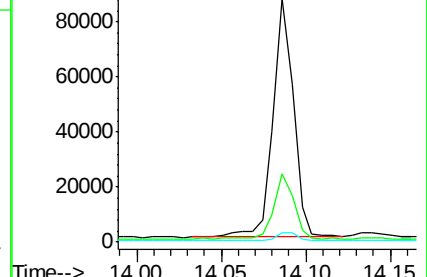
279 4.0 2.7 4.1

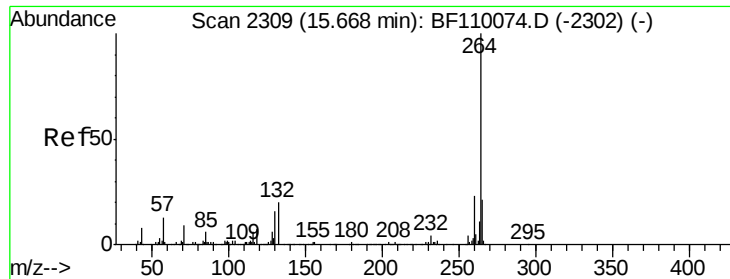


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

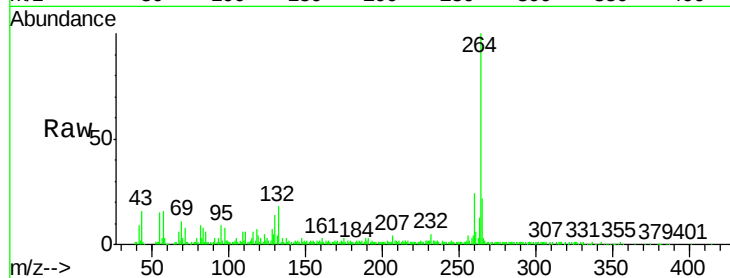




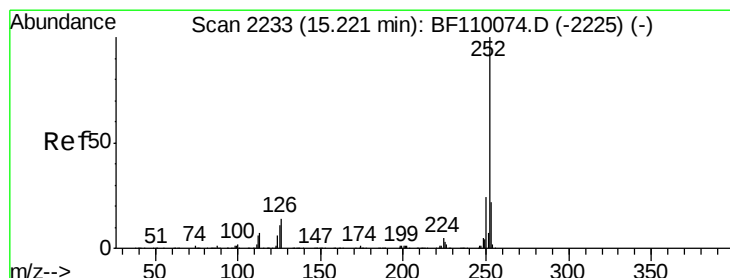
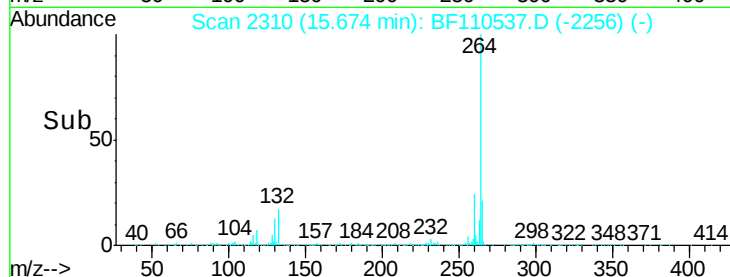
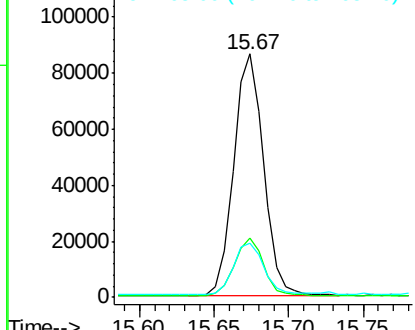
#87
Pervlene-d12
Concen: 20.00 ng
RT: 15.67 min Scan# 2310
Delta R.T. 0.02 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.7	28.1
265	22.2	16.7	25.1

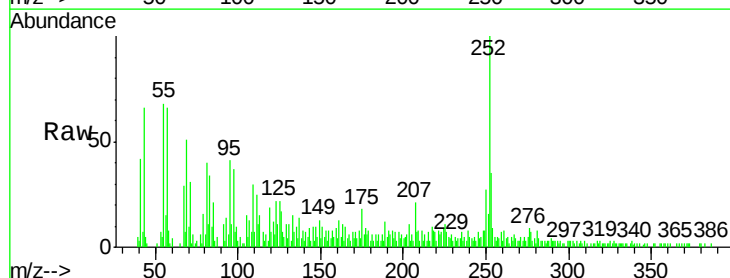


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

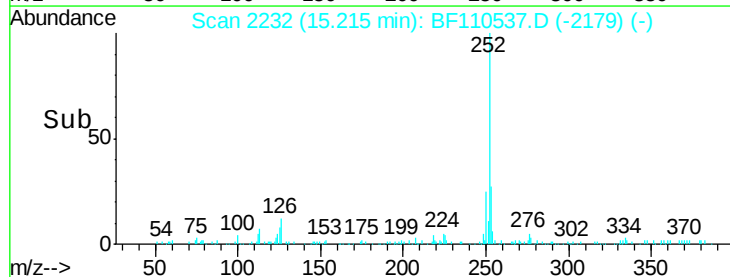
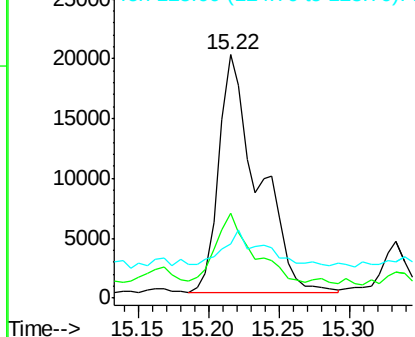


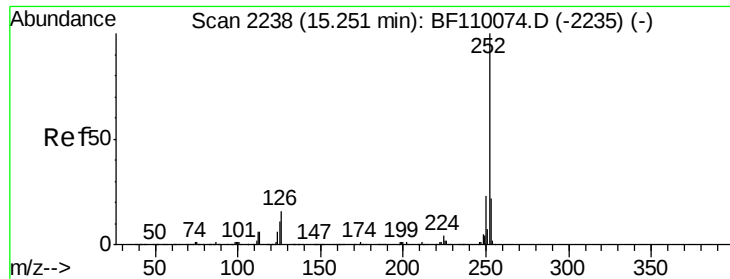
#88
Benzo(b)fluoranthene
Concen: 5.55 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.01 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.7	17.2	25.8#
125	22.4	8.2	12.4#



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

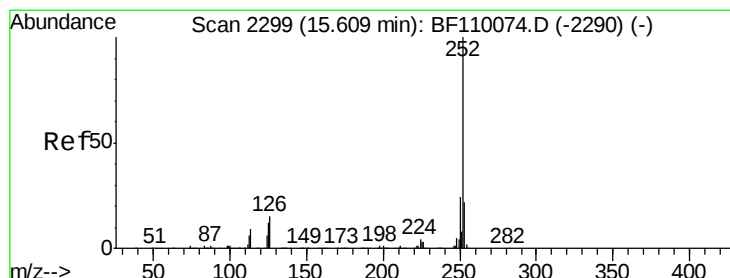
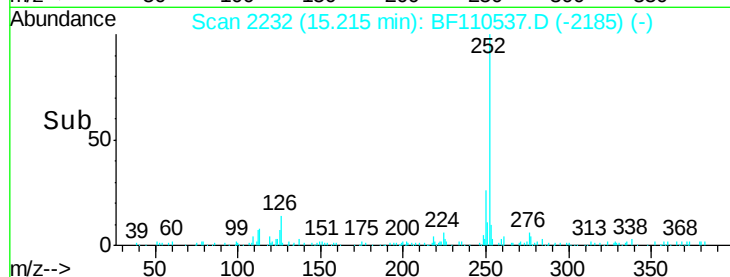
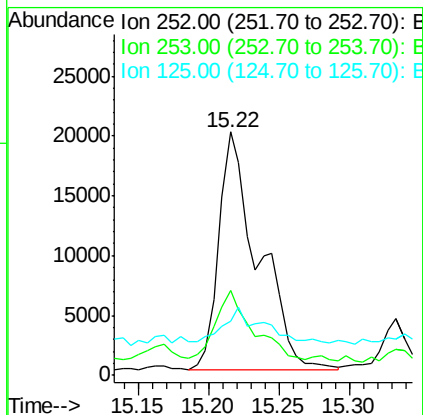
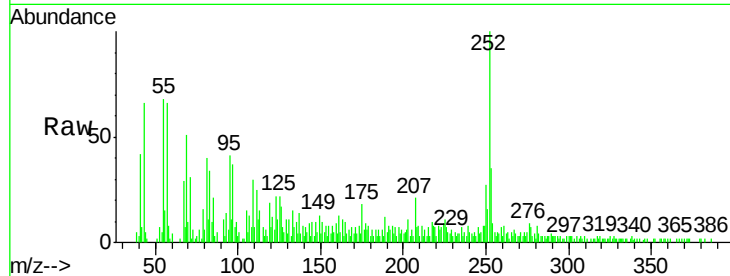




#89
Benzo(k)fluoranthene
Concen: 5.65 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.02 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

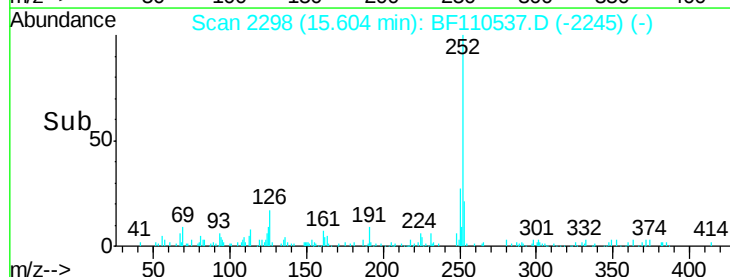
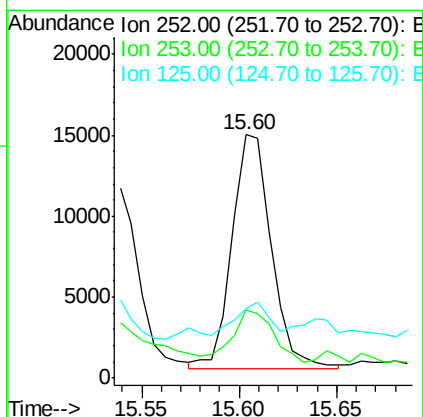
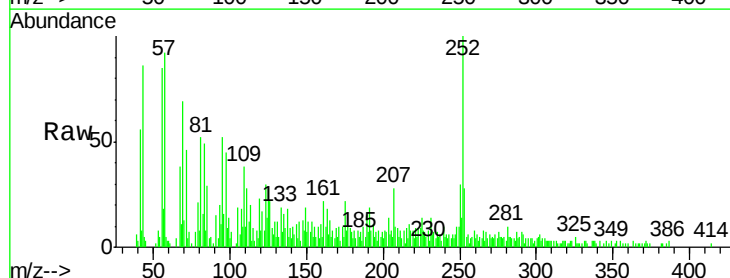
Instrument :
BNA_F
ClientSampleId :

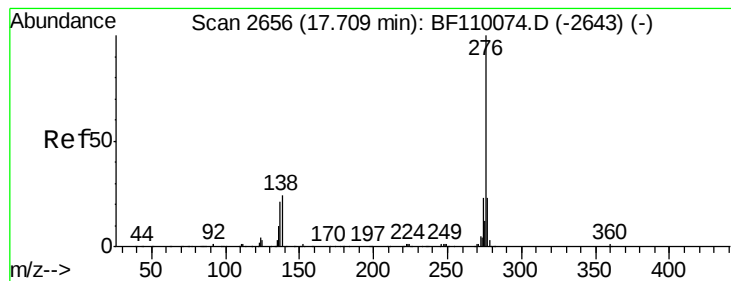
Tot Ion:252 Resp: 38746
Ion Ratio Lower Upper
252 100
253 34.7 17.2 25.8#
125 22.4 7.4 11.0#



#90
Benzo(a)pyrene
Concen: 3.17 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110537.D
Acq: 7 Nov 2018 1:16

Tgt Ion:252 Resp: 20328
Ion Ratio Lower Upper
252 100
253 28.2 18.2 27.4#
125 28.4 9.0 13.6#





#92

Benzo(a,h,i)perylene

Concen: 2.21 ng

RT: 17.73 min Scan# 2660

Delta R.T. 0.03 min

Lab File: BF110537.D

Acq: 7 Nov 2018 1:16

Instrument :

BNA_F

ClientSampleId :

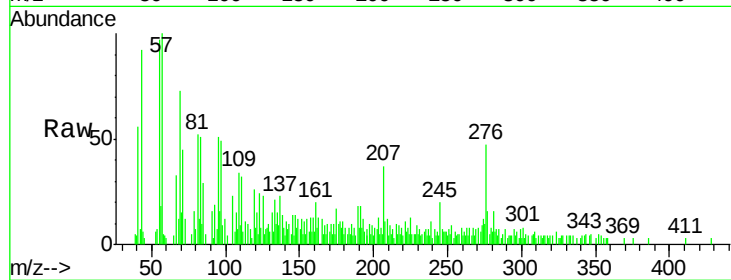
Tot Ion: 276 Resp: 12038

Ion Ratio Lower Upper

276 100

277 35.1 18.8 28.2#

138 30.2 16.0 24.0#



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

