

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092818\
 Data File : BF109433.D
 Acq On : 28 Sep 2018 16:46
 Operator : JU/SJ
 Sample : J4776-09 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 28 18:17:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	127334	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	461708	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	186943	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	312383	20.00	ng	0.00
75) Chrysene-d12	13.84	240	256611	20.00	ng	0.00
86) Perylene-d12	15.25	264	206876	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	113188	14.64	ng	0.00
7) Phenol-d6	6.34	99	144918	14.69	ng	-0.02
23) Nitrobenzene-d5	7.26	82	87045	11.13	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	20429	11.09	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	155417	12.54	ng	-0.01
78) Terphenyl-d14	12.80	244	119410	11.42	ng	0.00

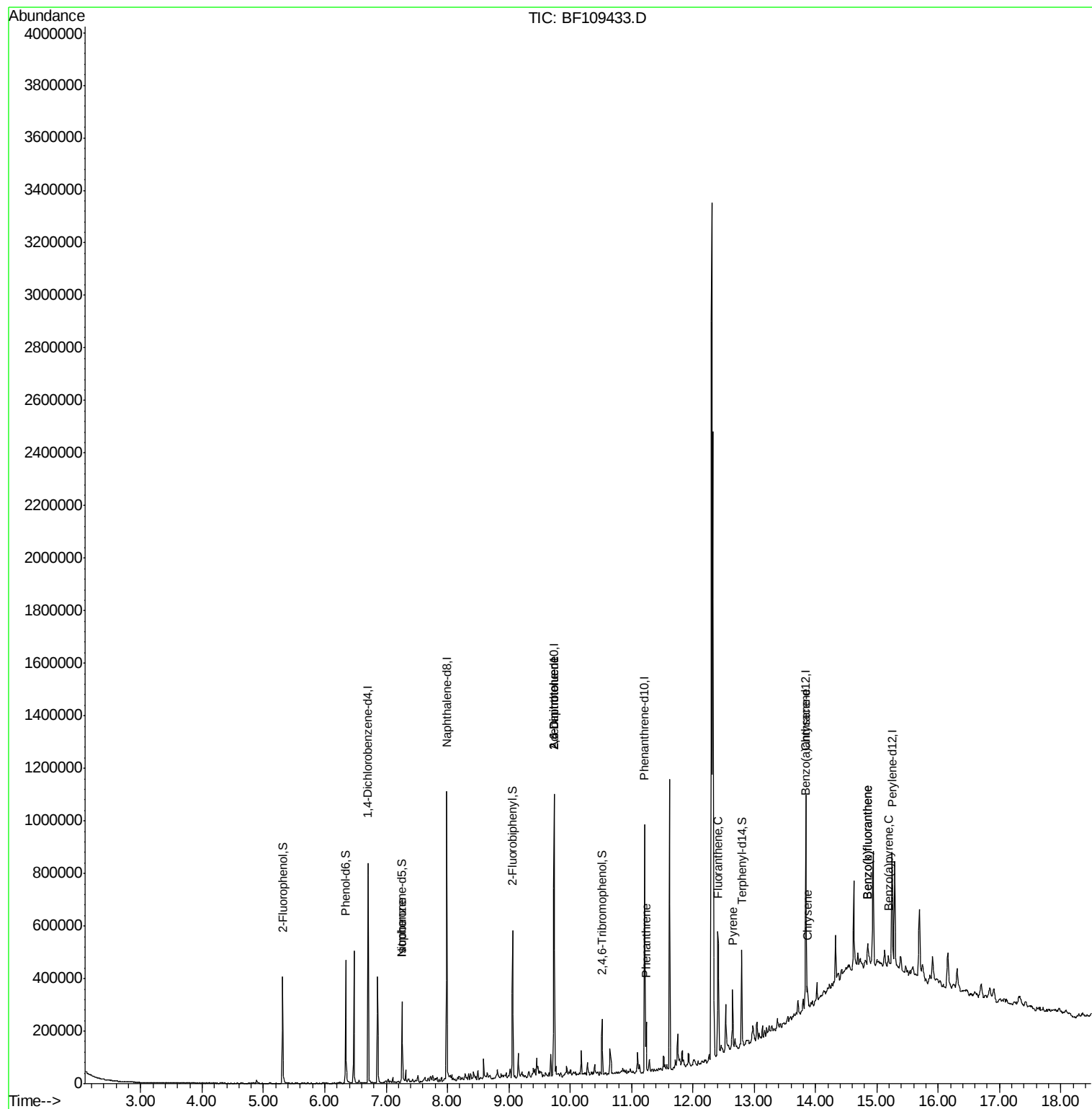
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	81723	5.802	ng	# 65
50) 2,6-Dinitrotoluene	9.74	165	24697	9.171	ng	# 26
56) 2,4-Dinitrotoluene	9.74	165	24697	7.248	ng	# 24
70) Phenanthrene	11.24	178	61107	3.918	ng	98
74) Fluoranthene	12.42	202	89234	5.354	ng	97
77) Pyrene	12.65	202	86641	4.711	ng	99
80) Benzo(a)anthracene	13.83	228	38158	2.469	ng	95
82) Chrysene	13.87	228	34045	2.222	ng	97
87) Benzo(b)fluoranthene	14.85	252	45011	3.960	ng	# 77
88) Benzo(k)fluoranthene	14.85	252	45011	4.173	ng	# 80
89) Benzo(a)pyrene	15.19	252	23003	2.246	ng	# 80

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

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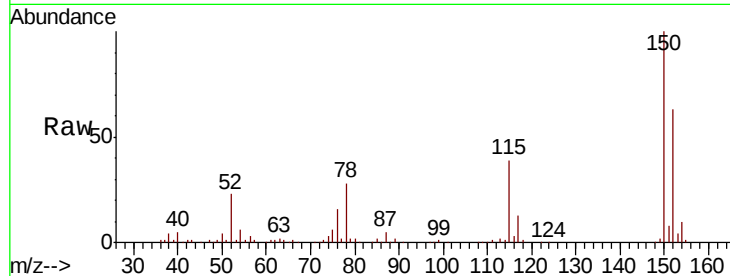


#1

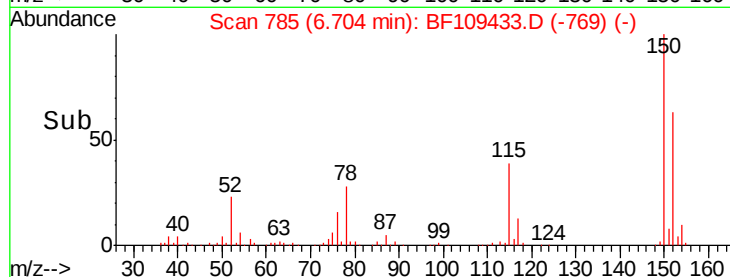
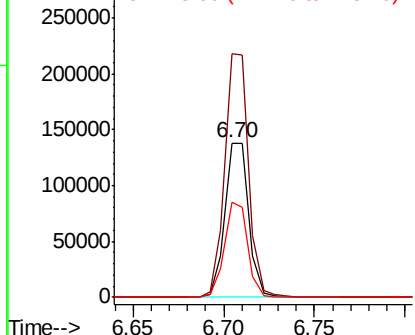
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109433.D
Acq: 28 Sep 2018 16:46

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 127334
Ion Ratio Lower Upper
152 100
150 157.5 124.6 186.8
115 61.8 50.1 75.1



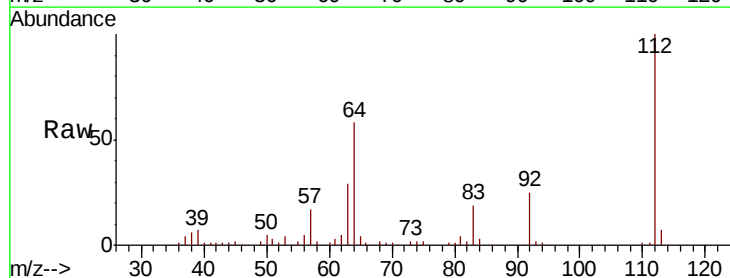
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



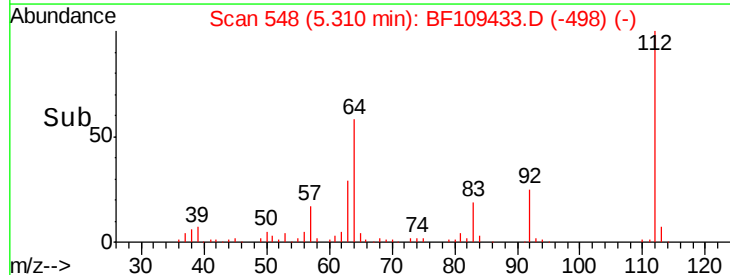
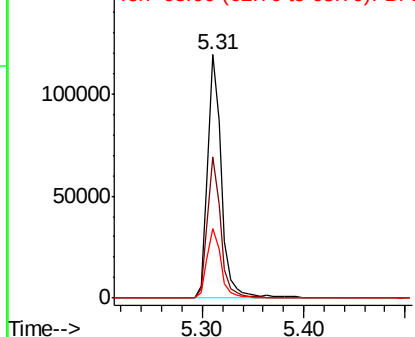
#5

2-Fluorophenol
Concen: 14.641 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109433.D
Acq: 28 Sep 2018 16:46

Tgt Ion:112 Resp: 113188
Ion Ratio Lower Upper
112 100
64 57.9 47.9 71.9
63 28.7 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: 14.690 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109433.D

Acq: 28 Sep 2018 16:46

Instrument :

BNA_G

ClientSampleId :

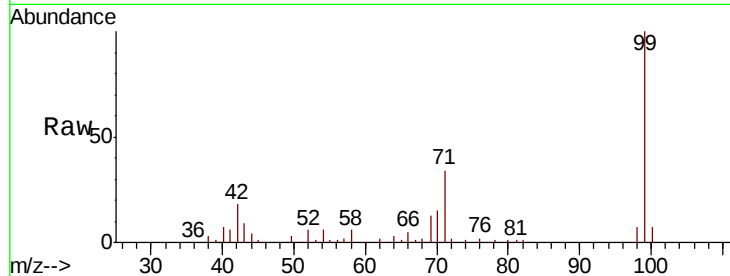
Tot Ion: 99 Resp: 144918

Ion Ratio Lower Upper

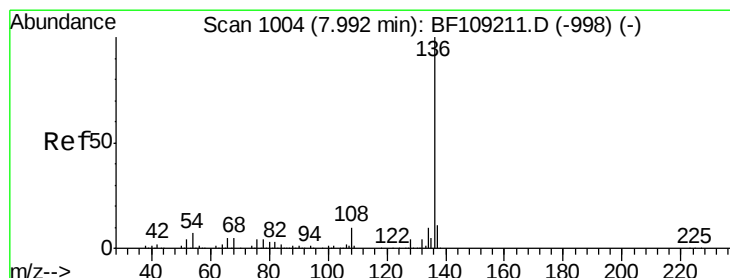
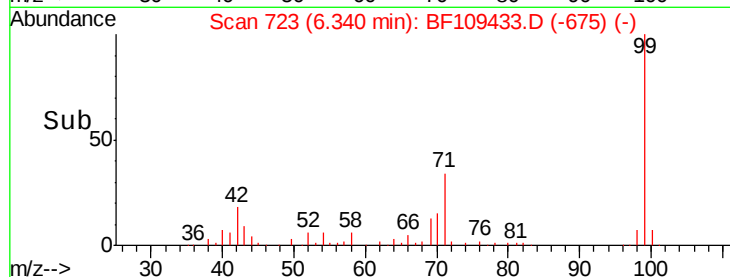
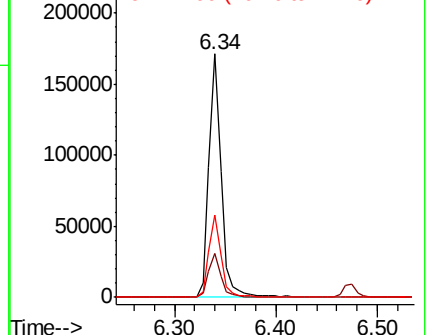
99 100

42 18.1 14.5 21.7

71 33.8 25.4 38.0



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: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109433.D

Acq: 28 Sep 2018 16:46

Tgt Ion: 136 Resp: 461708

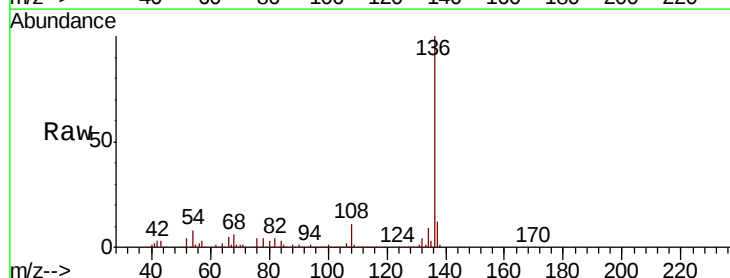
Ion Ratio Lower Upper

136 100

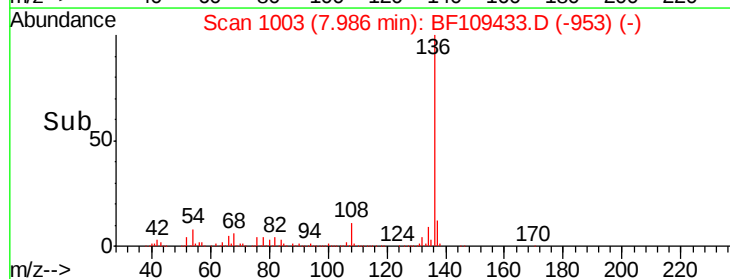
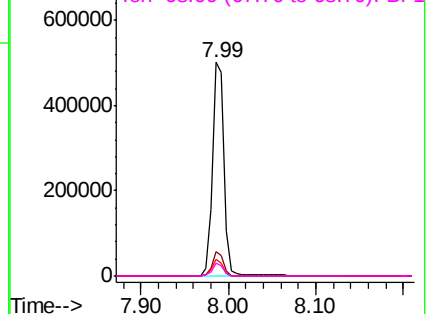
137 11.5 8.9 13.3

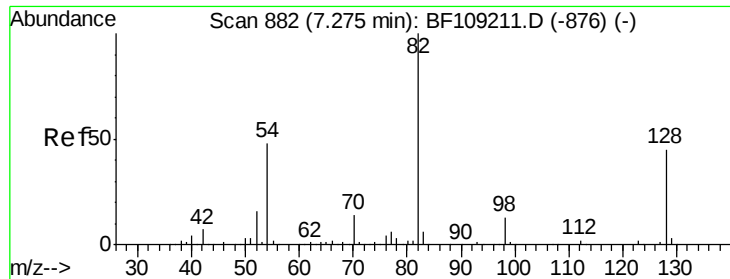
54 7.7 6.6 9.8

68 6.1 5.0 7.4



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

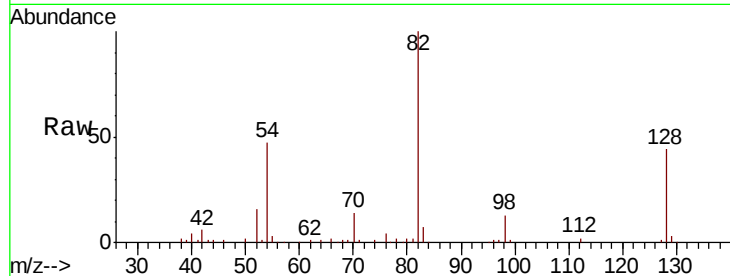




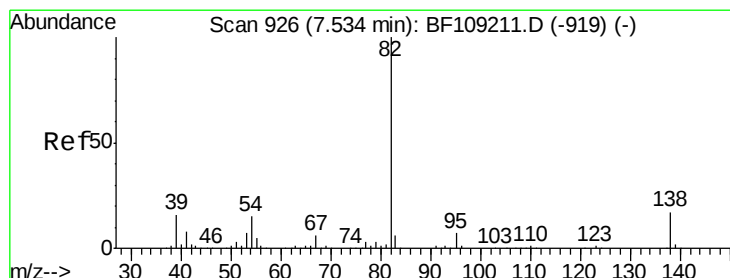
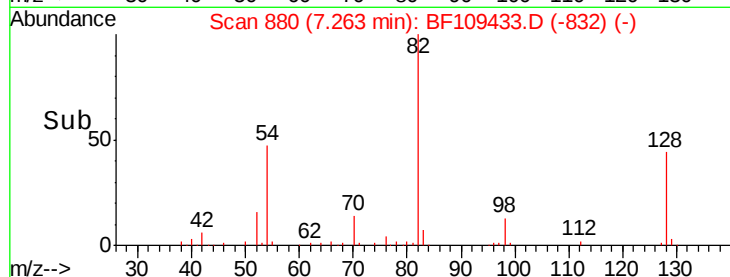
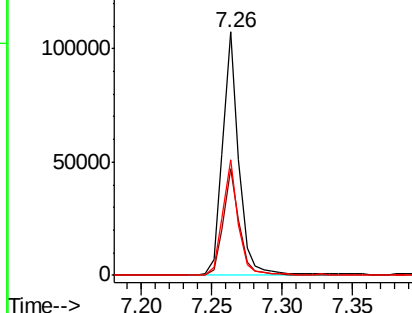
#23
 Nitrobenzene-d5
 Concen: 11.129 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109433.D
 Acq: 28 Sep 2018 16:46

Instrument :
 BNA_G
 ClientSampled :

Tot Ion: 82 Resp: 87045
 Ion Ratio Lower Upper
 82 100
 128 43.7 36.1 54.1
 54 47.5 41.4 62.2

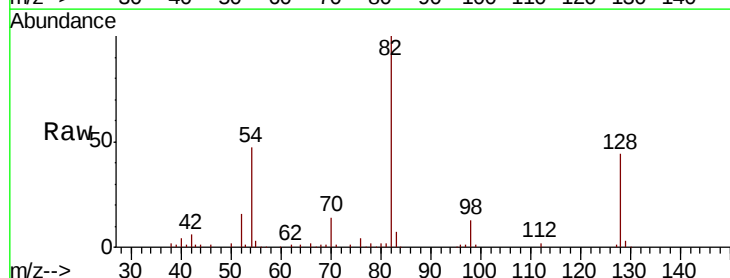


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

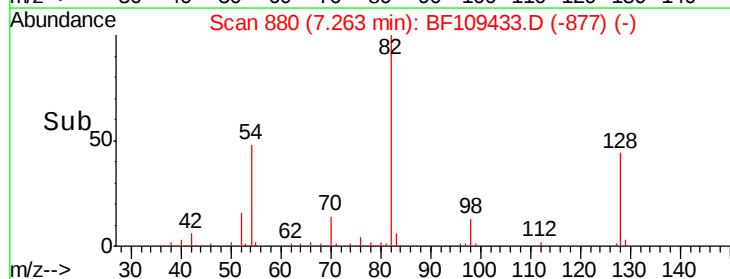
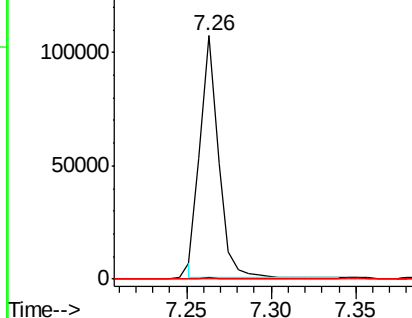


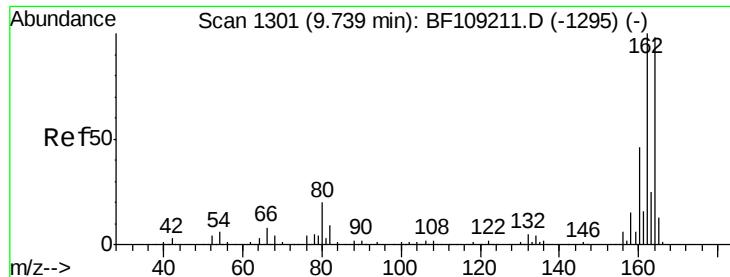
#25
 Isophorone
 Concen: 5.802 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.28 min
 Lab File: BF109433.D
 Acq: 28 Sep 2018 16:46

Tgt Ion: 82 Resp: 81723
 Ion Ratio Lower Upper
 82 100
 95 0.4 5.2 7.8#
 138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1

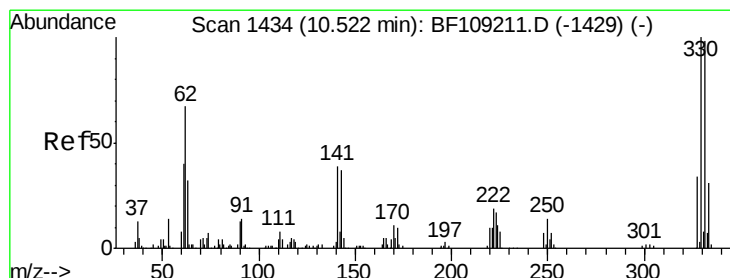
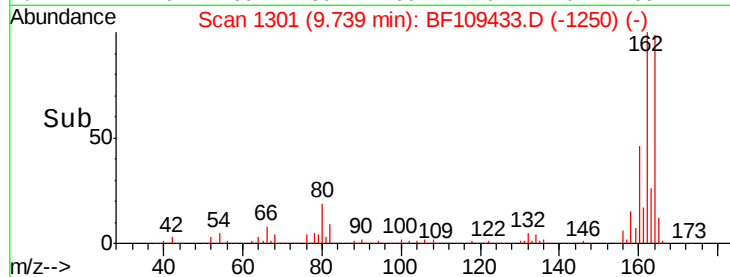
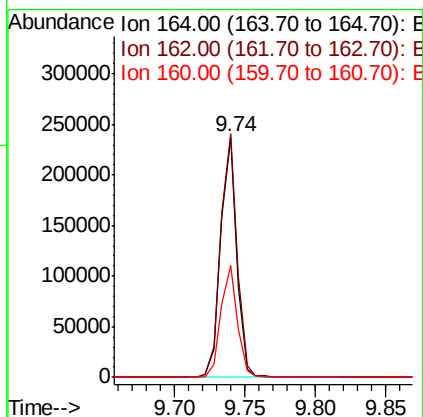
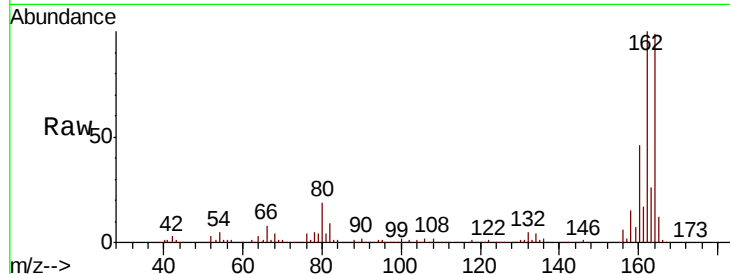




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109433.D
 Acq: 28 Sep 2018 16:46

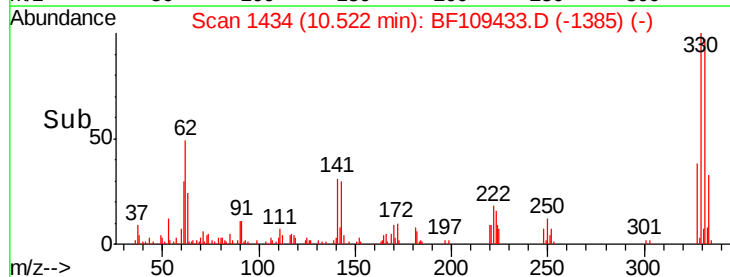
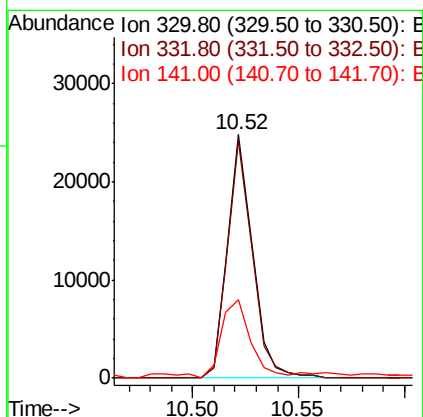
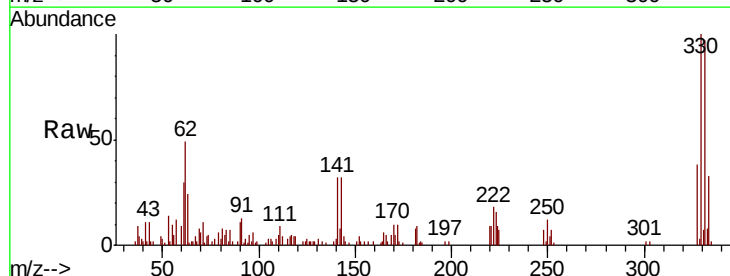
Instrument :
 BNA_G
 ClientSampleId :

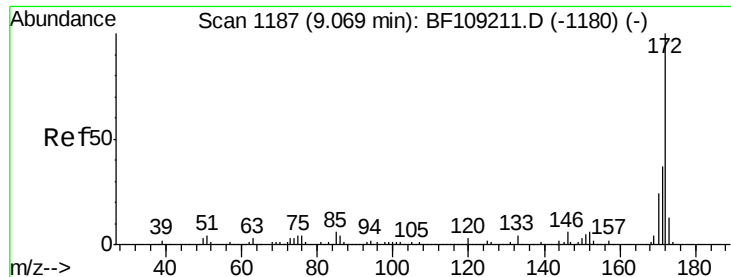
Tot Ion:164 Resp: 186943
 Ion Ratio Lower Upper
 164 100
 162 101.3 86.1 129.1
 160 46.7 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 11.085 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109433.D
 Acq: 28 Sep 2018 16:46

Tgt Ion:330 Resp: 20429
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.0 115.6
 141 34.5 29.9 44.9

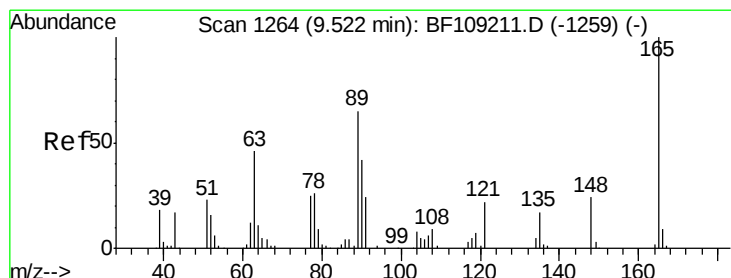
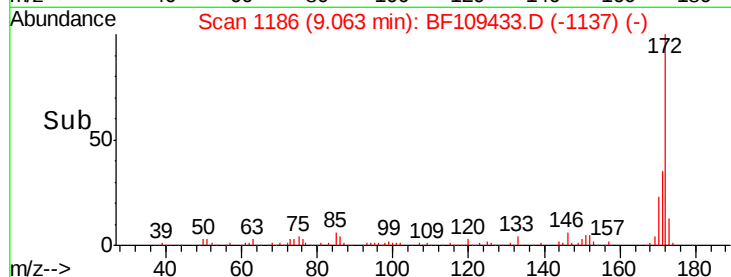
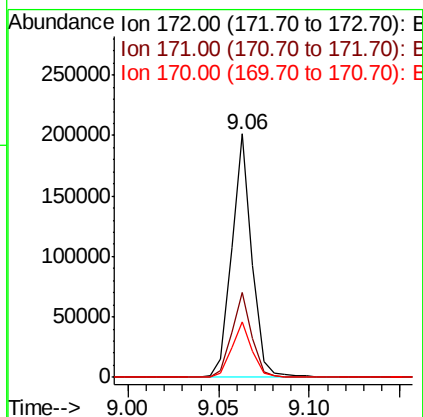
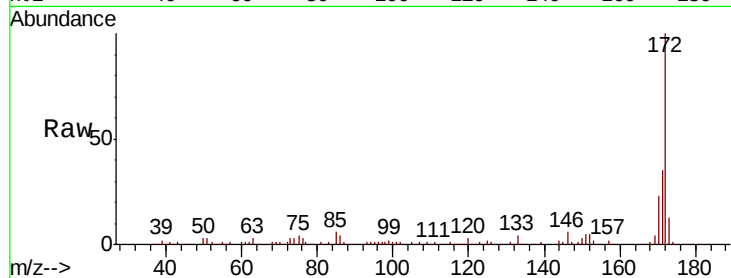




#44
2-Fluorobiphenyl
Concen: 12.539 ng
RT: 9.06 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF109433.D
Acq: 28 Sep 2018 16:46

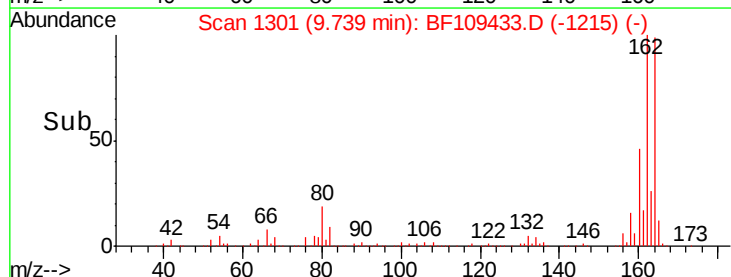
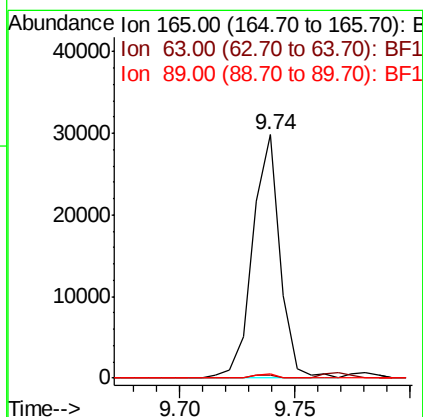
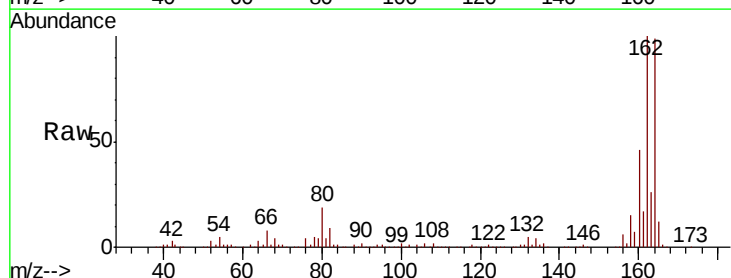
Instrument :
BNA_G
ClientSampled :

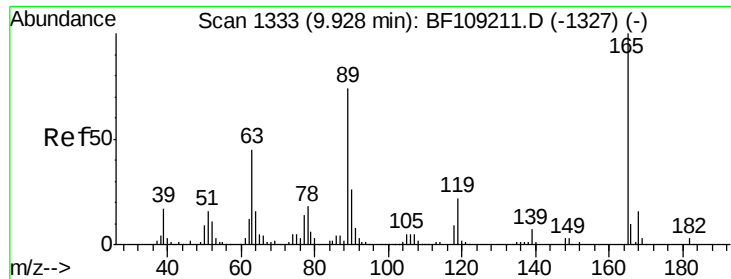
Tot Ion:172 Resp: 155417
Ion Ratio Lower Upper
172 100
171 34.9 29.7 44.5
170 22.5 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 9.171 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.21 min
Lab File: BF109433.D
Acq: 28 Sep 2018 16:46

Tgt Ion:165 Resp: 24697
Ion Ratio Lower Upper
165 100
63 1.4 44.7 67.1#
89 1.8 44.0 66.0#

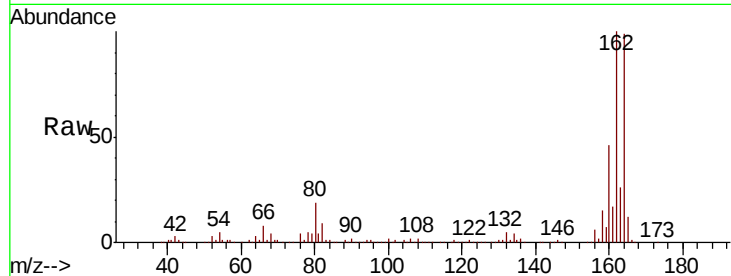




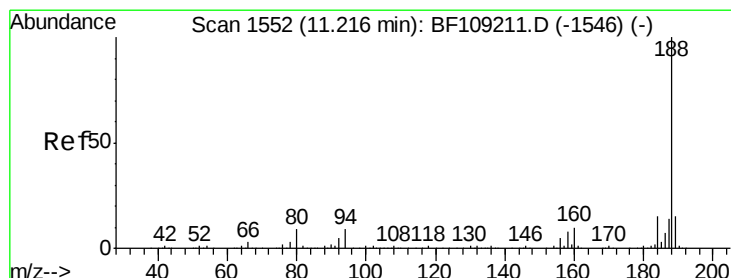
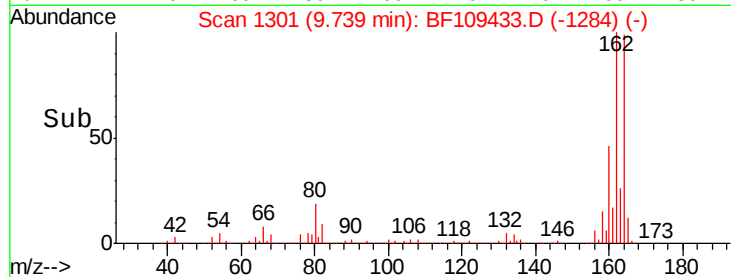
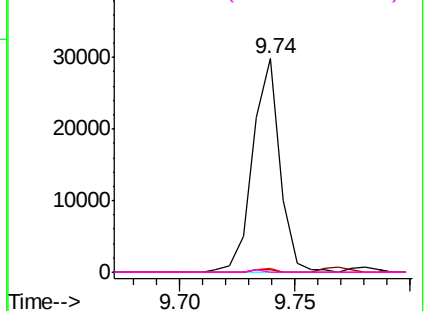
#56
 2,4-Dinitrotoluene
 Concen: 7.248 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109433.D
 Acq: 28 Sep 2018 16:46

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165	Resp:	24697
Ion Ratio	Lower	Upper
165	100	
63	1.4	36.4 54.6#
89	1.8	57.8 86.6#
182	0.0	1.6 2.4#

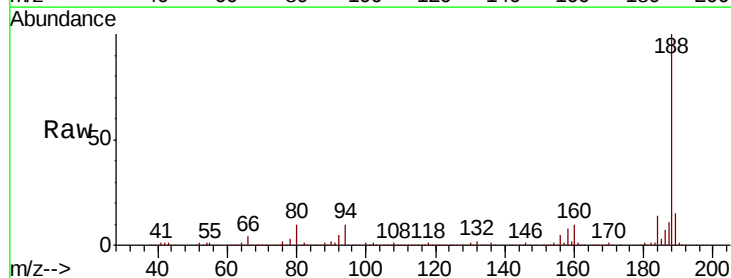


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

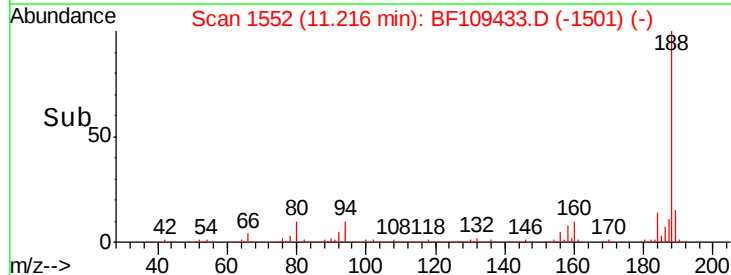
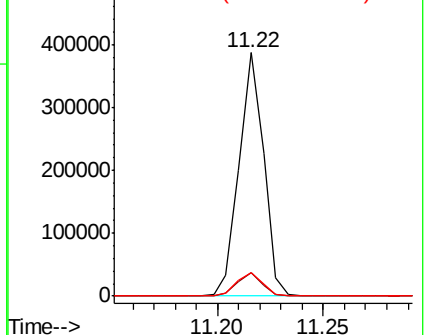


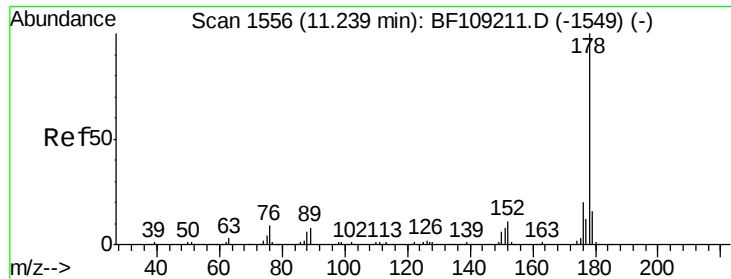
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109433.D
 Acq: 28 Sep 2018 16:46

Tgt Ion:188	Resp:	312383
Ion Ratio	Lower	Upper
188	100	
94	9.6	8.5 12.7
80	9.9	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

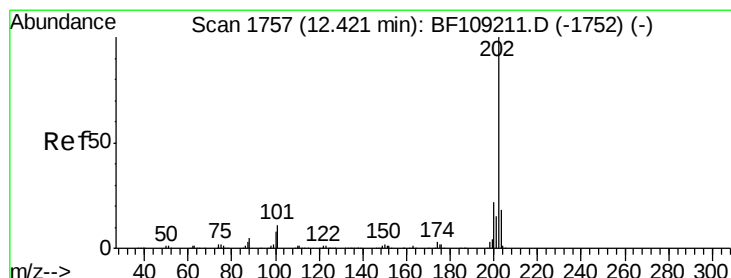
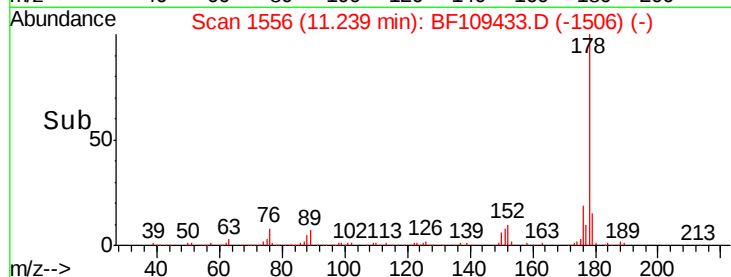
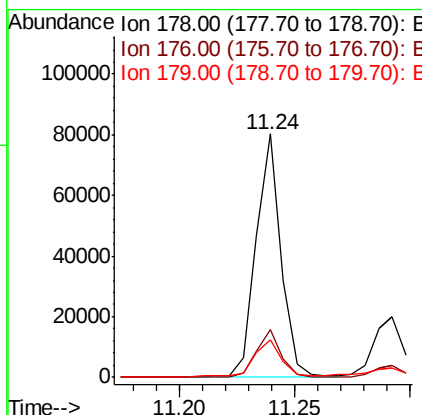
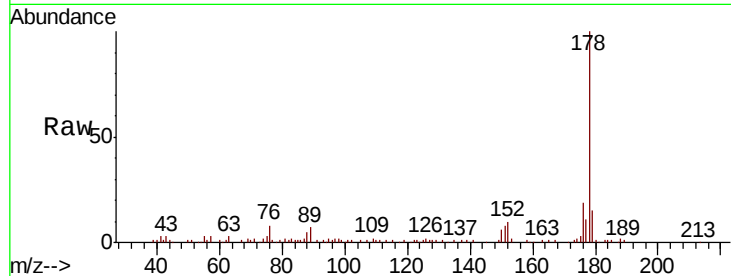




#70
Phenanthrene
Concen: 3.918 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109433.D
Acq: 28 Sep 2018 16:46

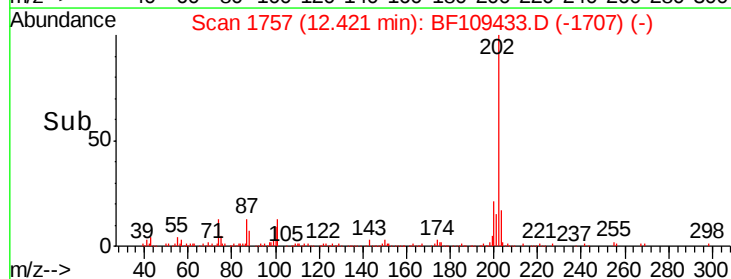
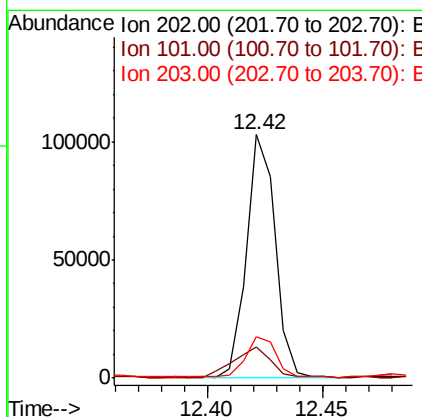
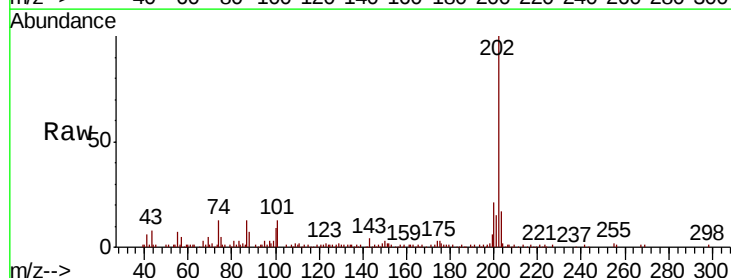
Instrument :
BNA_G
ClientSampleId :

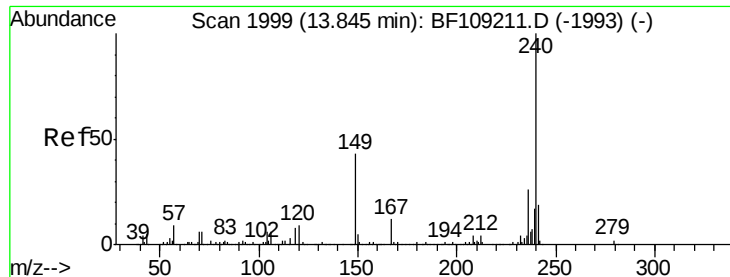
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.2	13.0	19.6



#74
Fluoranthene
Concen: 5.354 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109433.D
Acq: 28 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	34.1
203	17.2	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109433.D

Acq: 28 Sep 2018 16:46

Instrument :

BNA_G

ClientSampleId :

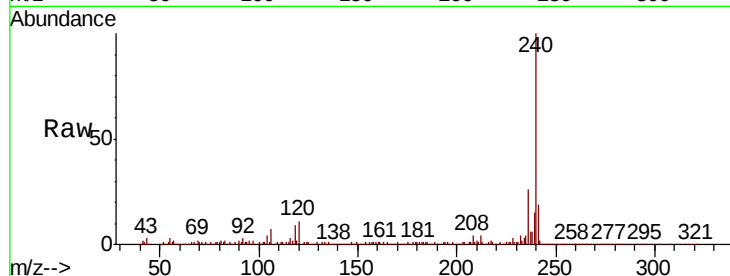
Tot Ion:240 Resp: 256611

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

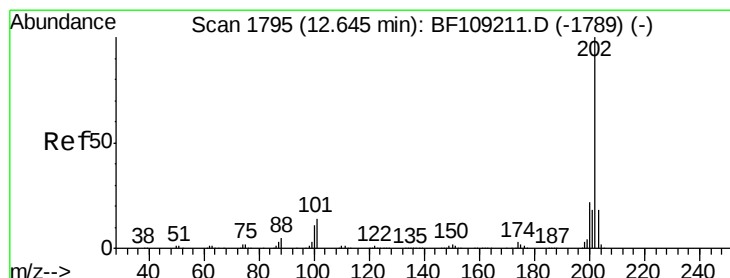
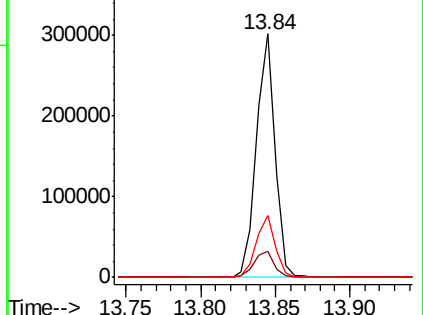
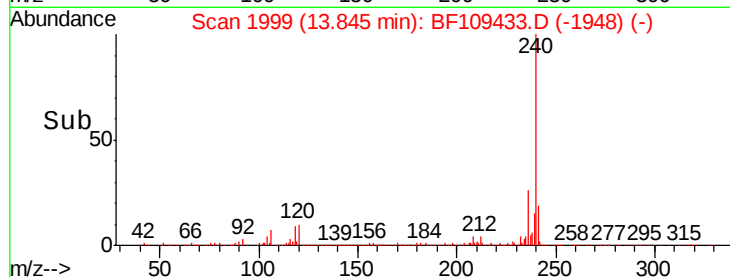
236 25.6 20.7 31.1



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: 4.711 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109433.D

Acq: 28 Sep 2018 16:46

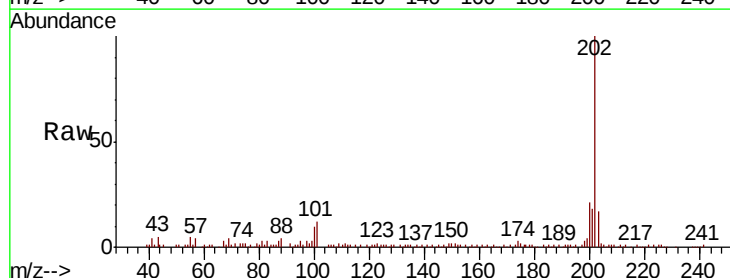
Tgt Ion:202 Resp: 86641

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

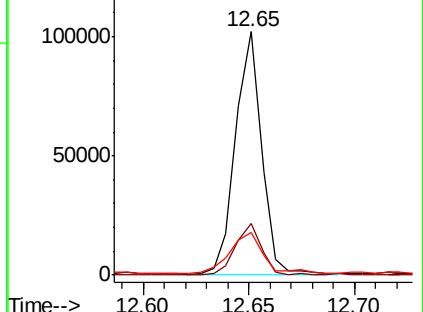
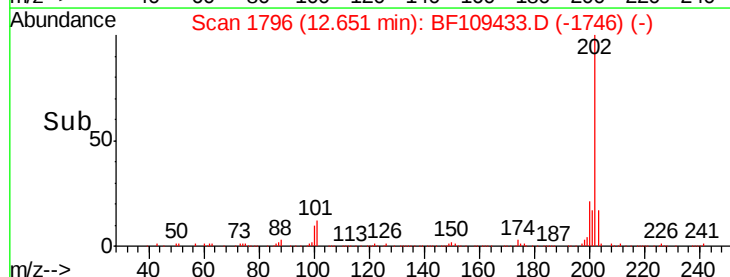
203 17.4 14.3 21.5

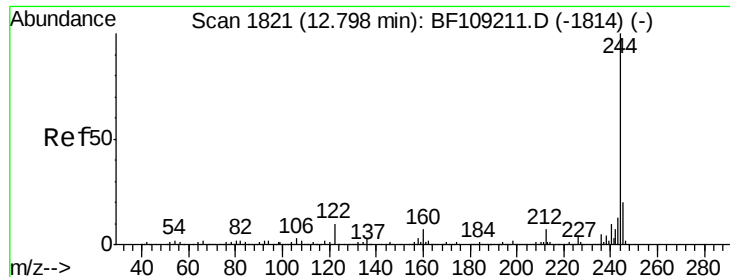


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

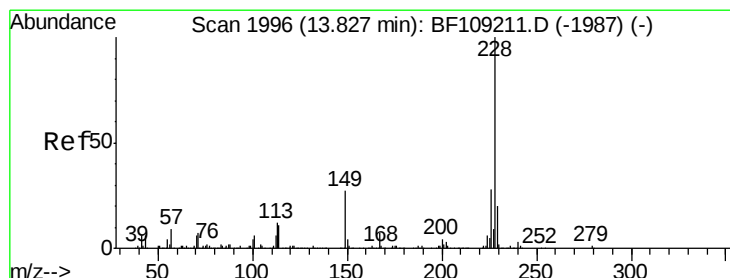
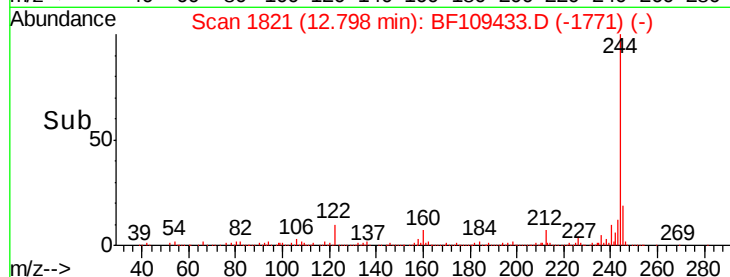
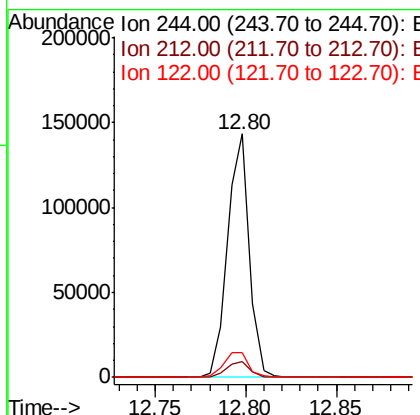
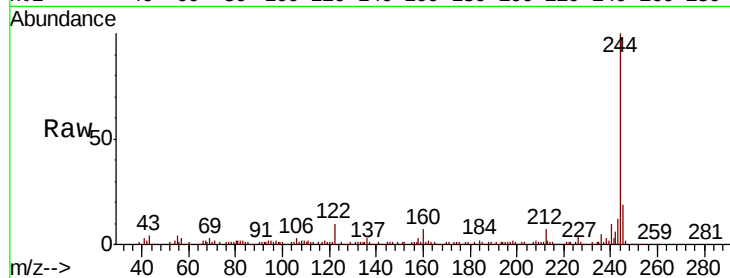




#78
 Terphenyl-d14
 Concen: 11.420 ng
 RT: 12.80 min Scan# 1821
 Delta R.T. -0.01 min
 Lab File: BF109433.D
 Acq: 28 Sep 2018 16:46

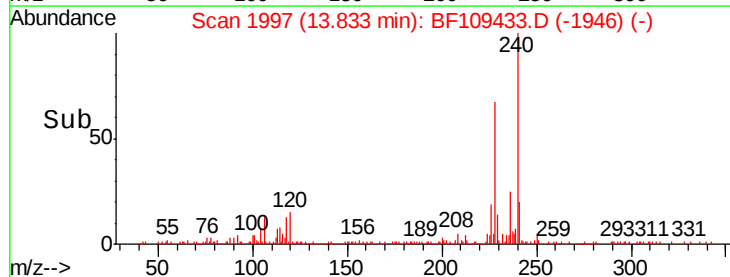
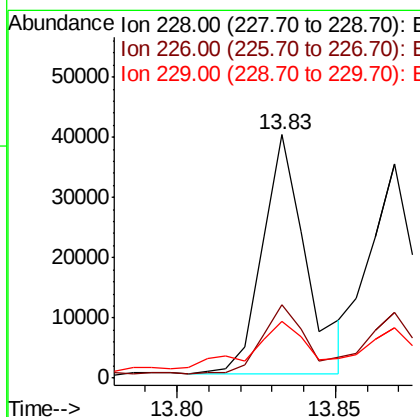
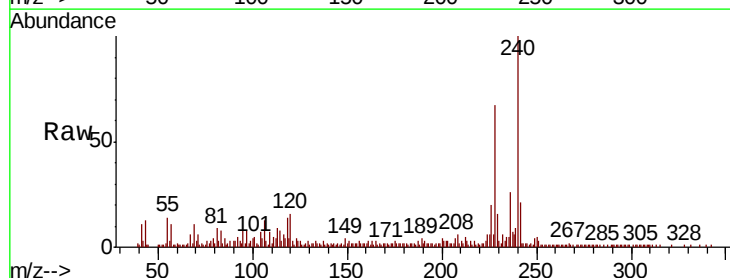
Instrument :
 BNA_G
 ClientSampleId :

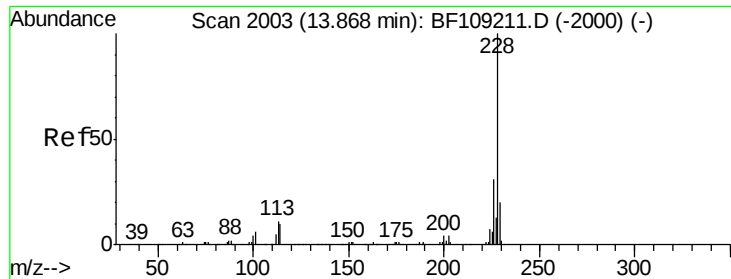
Tot Ion:244 Resp: 119410
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 10.1 11.0 16.4#



#80
 Benzo(a)anthracene
 Concen: 2.469 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.00 min
 Lab File: BF109433.D
 Acq: 28 Sep 2018 16:46

Tgt Ion:228 Resp: 38158
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.6 33.8
 229 23.3 15.8 23.6





#82

Chrysene

Concen: 2.222 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF109433.D

Acq: 28 Sep 2018 16:46

Instrument :

BNA_G

ClientSampleId :

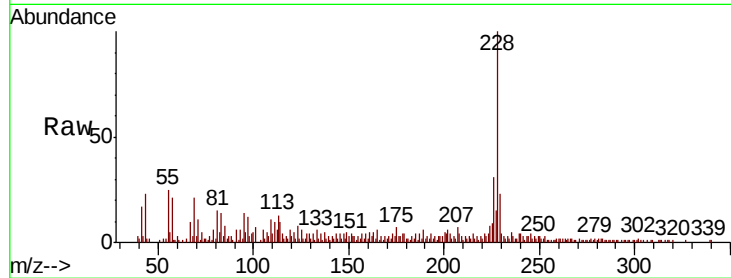
Tot Ion:228 Resp: 34045

Ion Ratio Lower Upper

228 100

226 30.7 25.0 37.6

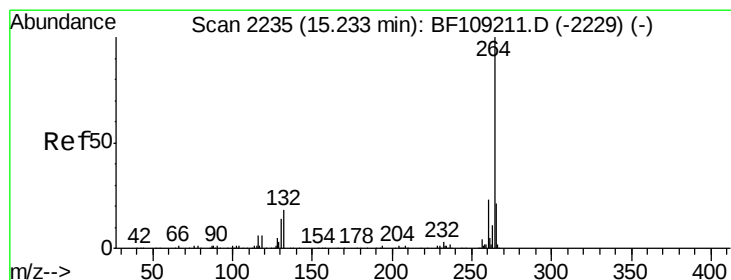
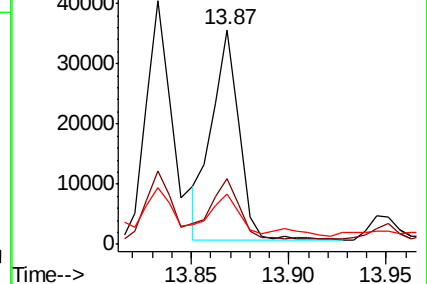
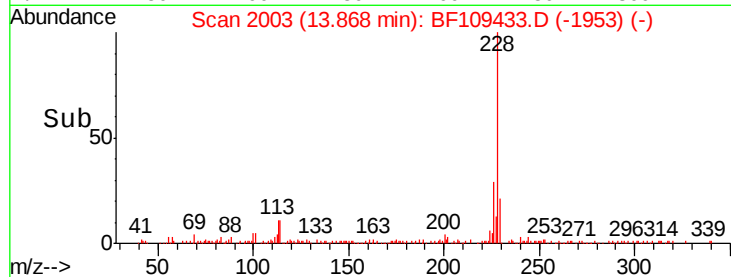
229 23.3 16.2 24.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109433.D

Acq: 28 Sep 2018 16:46

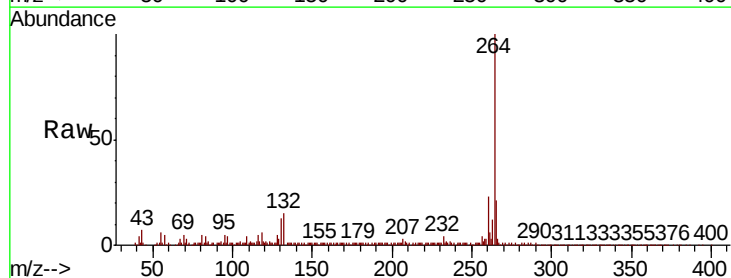
Tgt Ion:264 Resp: 206876

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

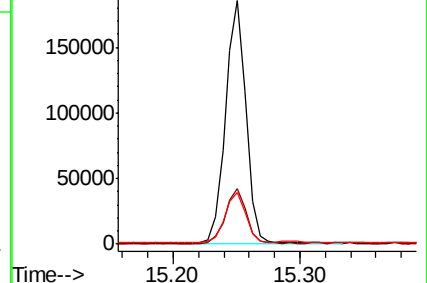
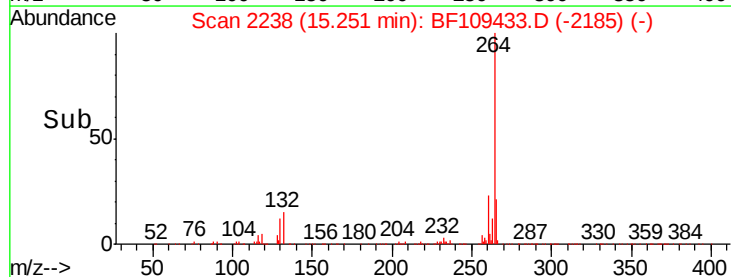
265 21.3 17.5 26.3

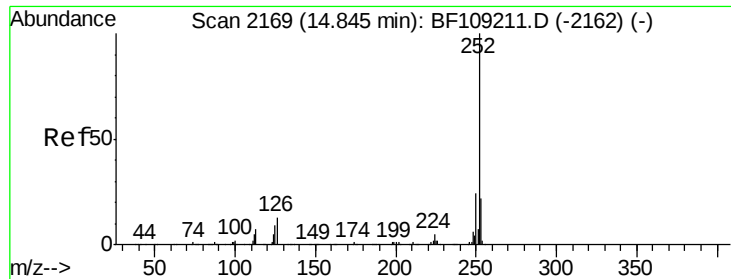


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

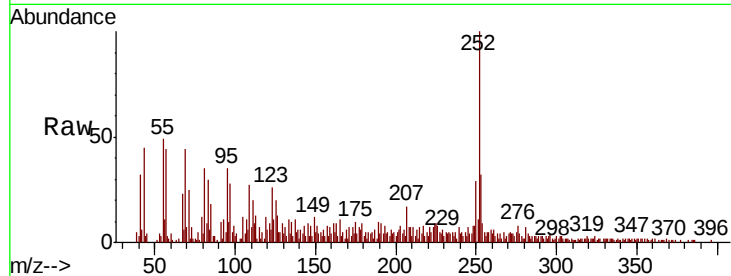




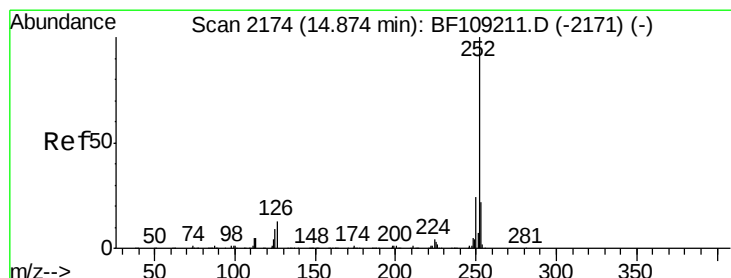
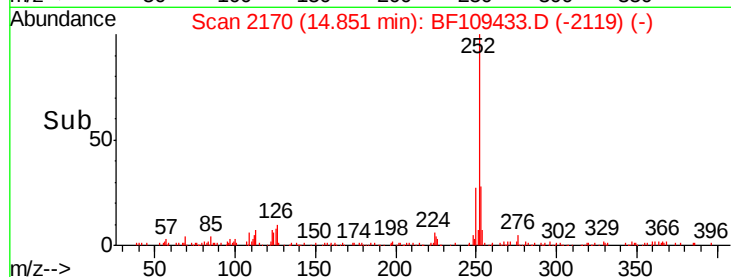
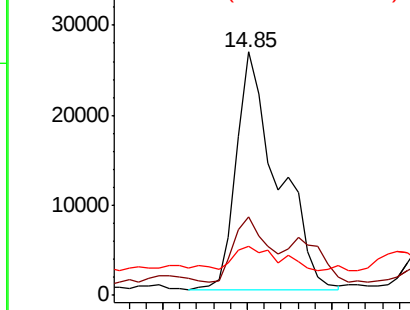
#87
Benzo(b)fluoranthene
Concen: 3.960 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109433.D
Acq: 28 Sep 2018 16:46

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.0	25.6#
125	20.2	9.0	13.6#

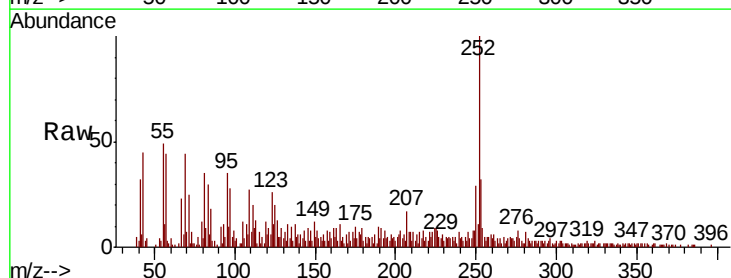


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

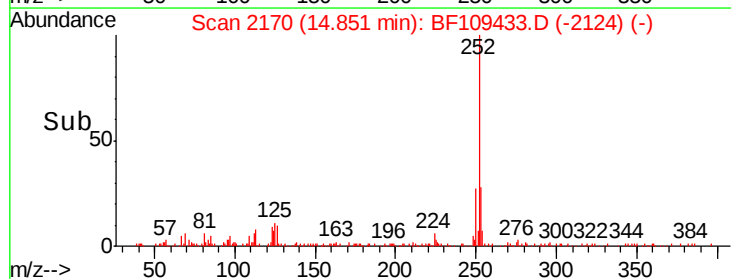
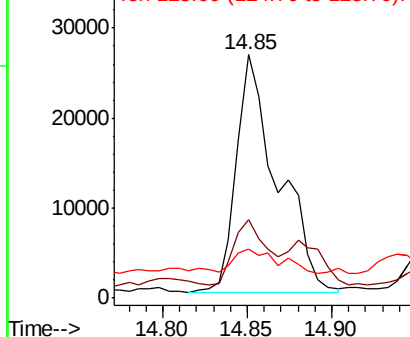


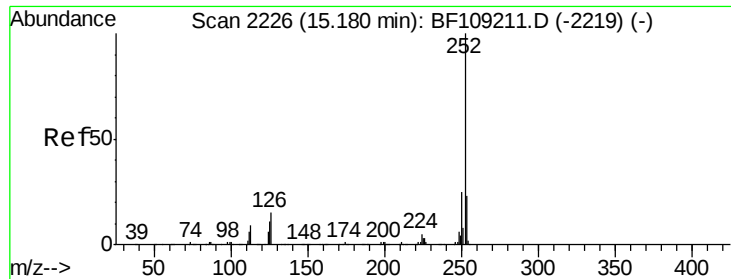
#88
Benzo(k)fluoranthene
Concen: 4.173 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109433.D
Acq: 28 Sep 2018 16:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.3	17.9	26.9#
125	20.2	10.2	15.2#



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(a)pyrene

Concen: 2.246 ng

RT: 15.19 min Scan# 2228

Delta R.T. 0.01 min

Lab File: BF109433.D

Acq: 28 Sep 2018 16:46

Instrument :

BNA_G

ClientSampleId :

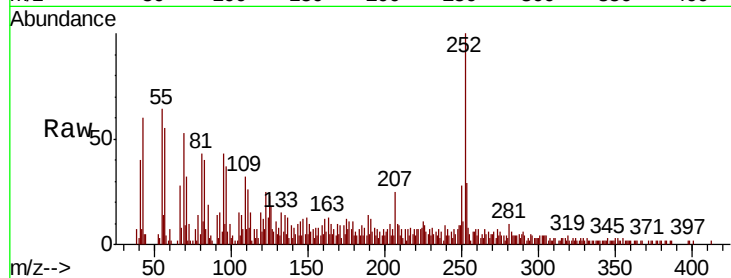
Tot Ion: 252 Resp: 23003

Ion Ratio Lower Upper

252 100

253 28.7 17.1 25.7#

125 23.3 9.8 14.6#



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

