

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109288.D
 Acq On : 25 Sep 2018 16:25
 Operator : JU/SJ
 Sample : J4774-05 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:25:29 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	6.71	152	121802	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	474854	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	222352	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	361736	20.00	ng	0.00
75) Chrysene-d12	13.84	240	307230	20.00	ng	0.00
86) Perylene-d12	15.25	264	260162	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	63340	8.57	ng	0.00
7) Phenol-d6	6.34	99	82312	8.72	ng	-0.02
23) Nitrobenzene-d5	7.26	82	48195	5.99	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	15730	7.18	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	102182	6.93	ng	-0.01
78) Terphenyl-d14	12.80	244	80043	6.39	ng	0.00

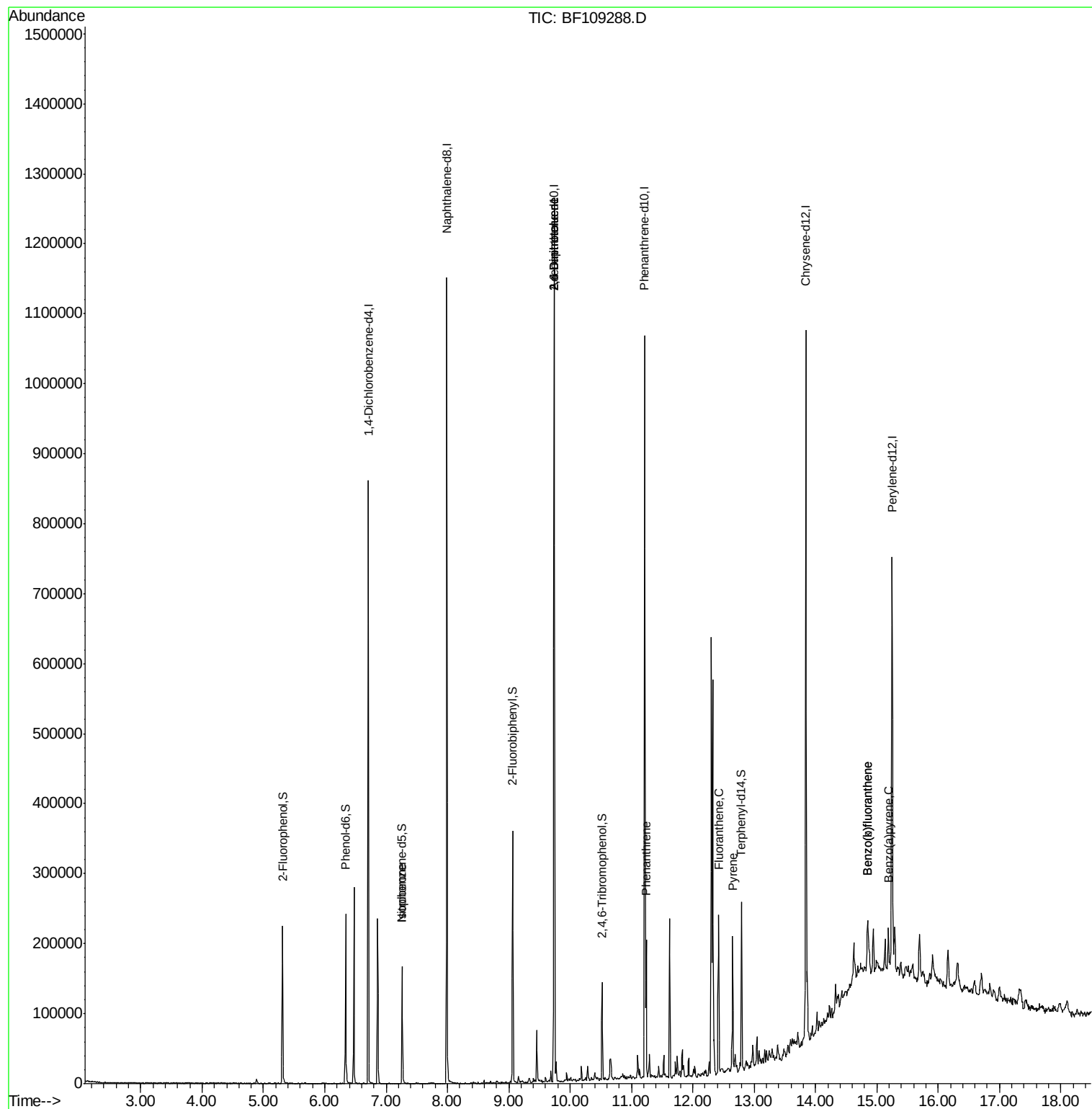
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.26	82	37890	2.616	ng	# 64
50) 2,6-Dinitrotoluene	9.74	165	28454	8.884	ng	# 25
56) 2,4-Dinitrotoluene	9.74	165	28454	7.021	ng	# 23
70) Phenanthrene	11.24	178	63324	3.506	ng	96
74) Fluoranthene	12.42	202	81011	4.197	ng	97
77) Pyrene	12.65	202	74379	3.378	ng	97
87) Benzo(b)fluoranthene	14.85	252	48304	3.379	ng	# 89
88) Benzo(k)fluoranthene	14.85	252	48304	3.561	ng	# 92
89) Benzo(a)pyrene	15.19	252	26027	2.020	ng	# 91

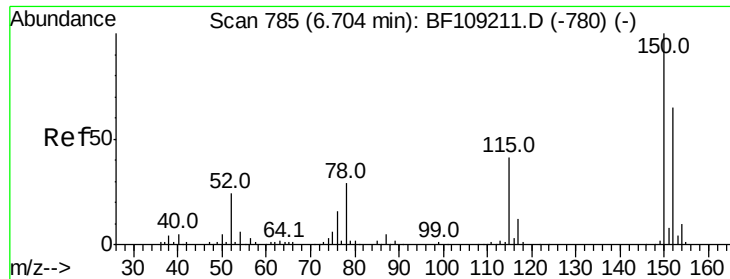
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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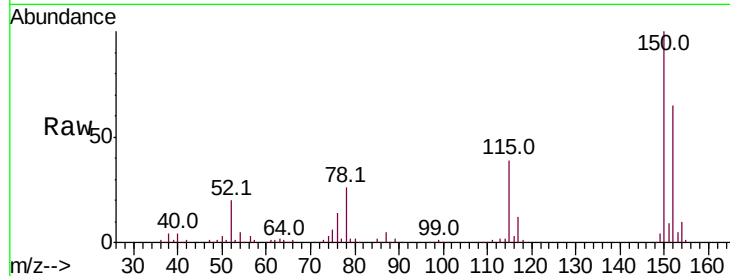


#1

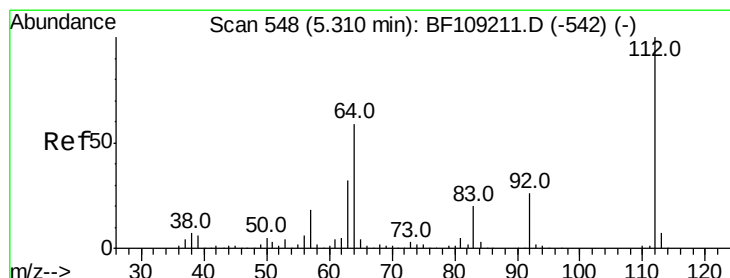
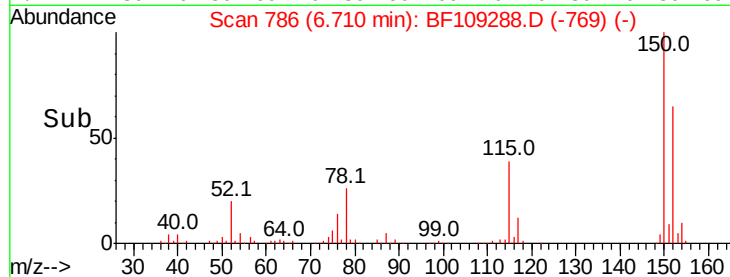
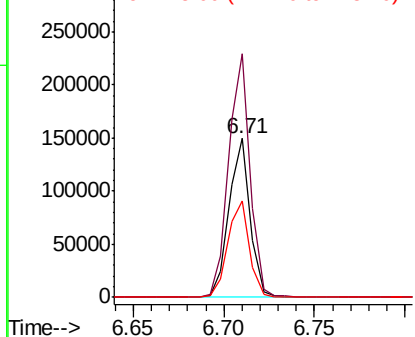
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.71 min Scan# 786
 Delta R.T. 0.00 min
 Lab File: BF109288.D
 Acq: 25 Sep 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 121802
 Ion Ratio Lower Upper
 152 100
 150 153.2 124.6 186.8
 115 60.4 50.1 75.1



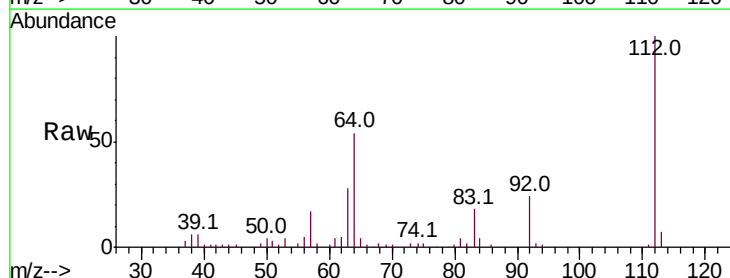
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



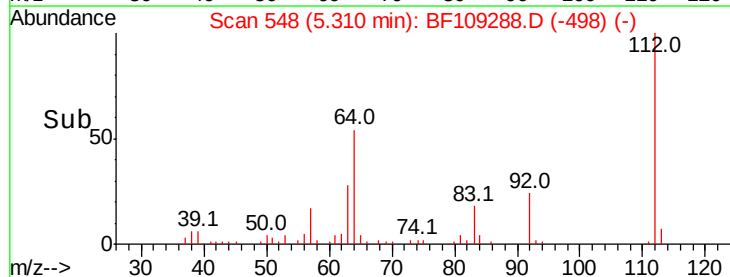
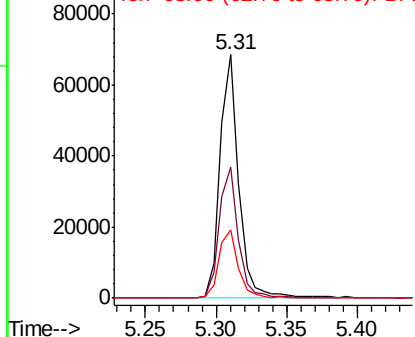
#5

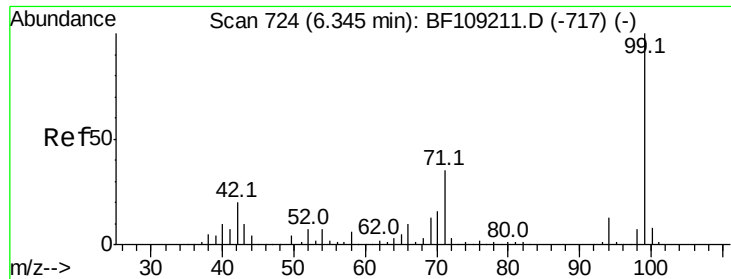
2-Fluorophenol
 Concen: 8.565 ng
 RT: 5.31 min Scan# 548
 Delta R.T. -0.01 min
 Lab File: BF109288.D
 Acq: 25 Sep 2018 16:25

Tgt Ion:112 Resp: 63340
 Ion Ratio Lower Upper
 112 100
 64 53.8 47.9 71.9
 63 27.9 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: 8.723 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

Instrument :

BNA_F

ClientSampleId :

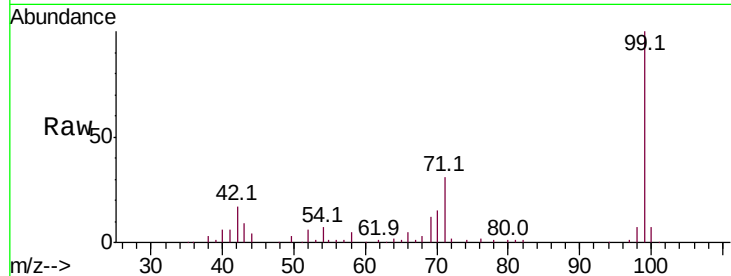
Tot Ion: 99 Resp: 82312

Ion Ratio Lower Upper

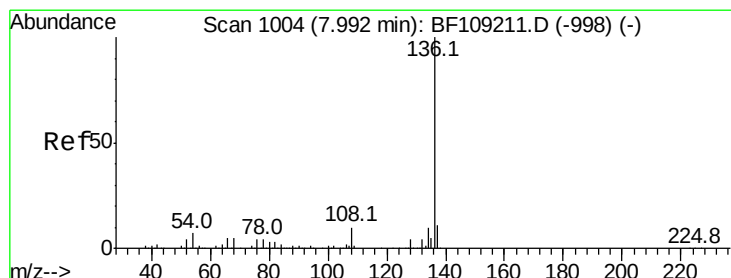
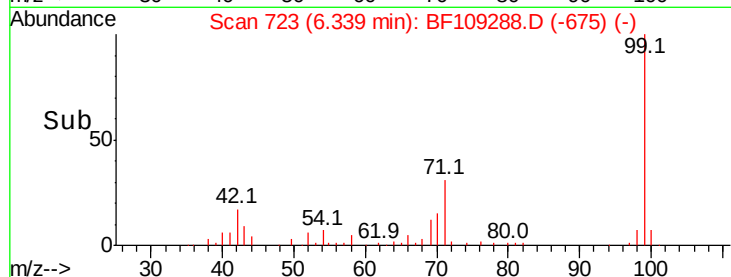
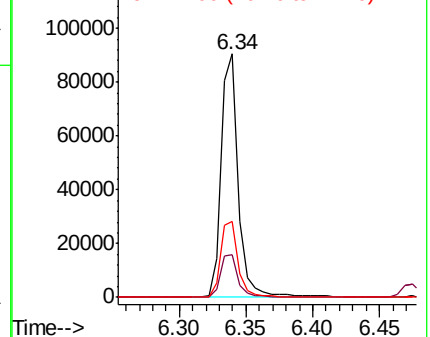
99 100

42 17.3 14.5 21.7

71 31.2 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# 1004

Delta R.T. 0.00 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

Tgt Ion: 136 Resp: 474854

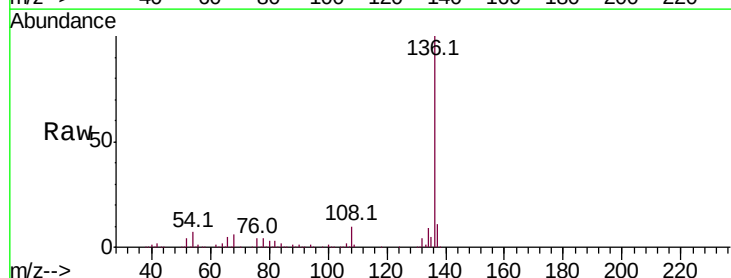
Ion Ratio Lower Upper

136 100

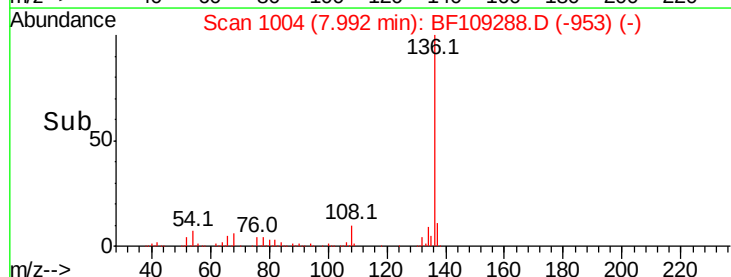
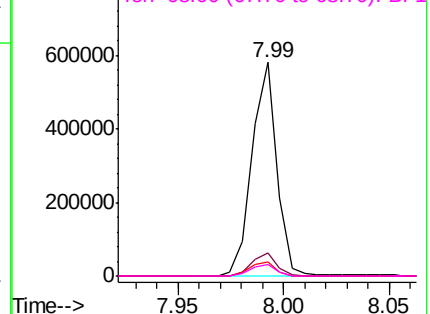
137 10.9 8.9 13.3

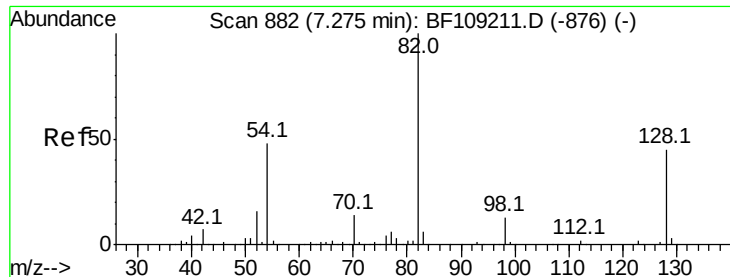
54 6.9 6.6 9.8

68 5.7 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: 5.991 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.02 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

Instrument :

BNA_F

ClientSampled :

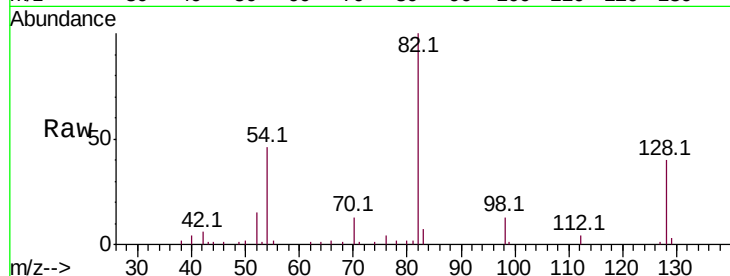
Tot Ion: 82 Resp: 48195

Ion Ratio Lower Upper

82 100

128 40.2 36.1 54.1

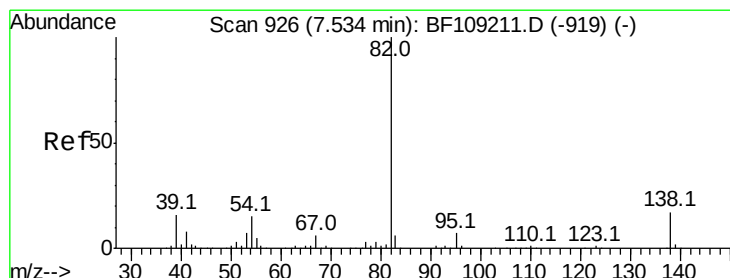
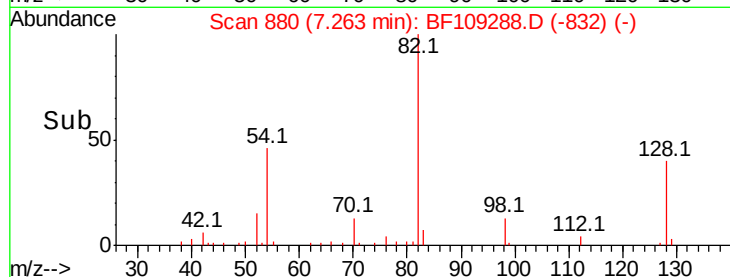
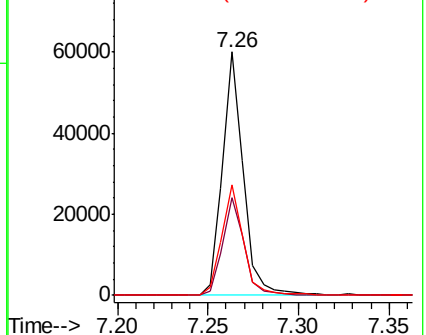
54 45.6 41.4 62.2



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: 2.616 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.28 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

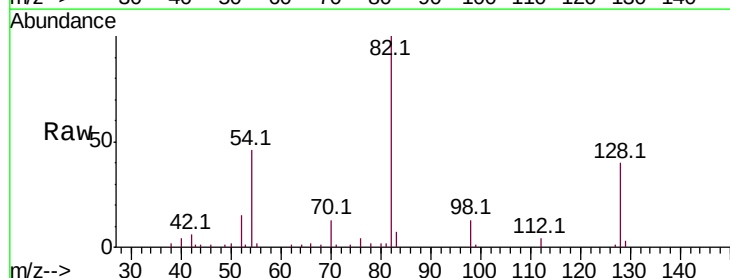
Tgt Ion: 82 Resp: 37890

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

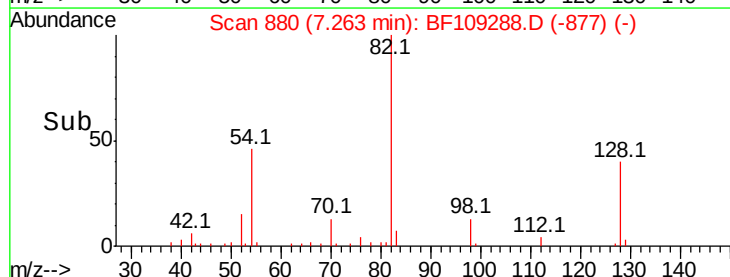
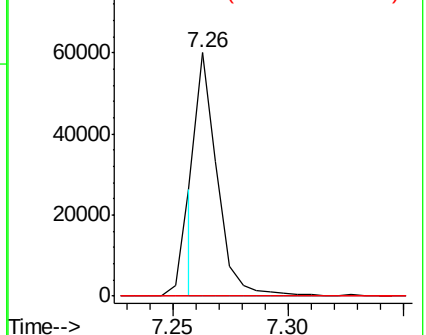
138 0.0 14.9 22.3#

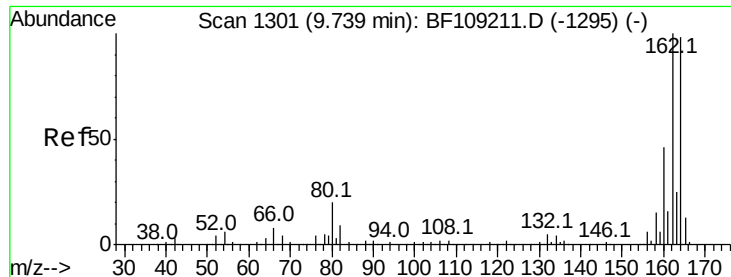


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

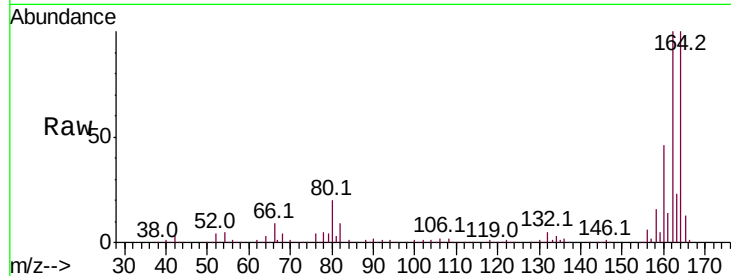




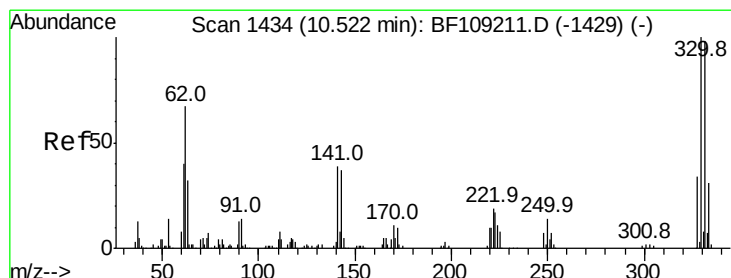
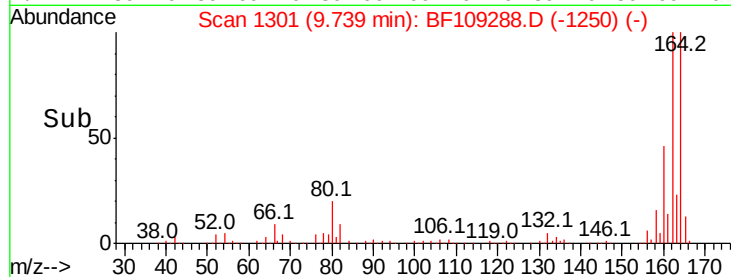
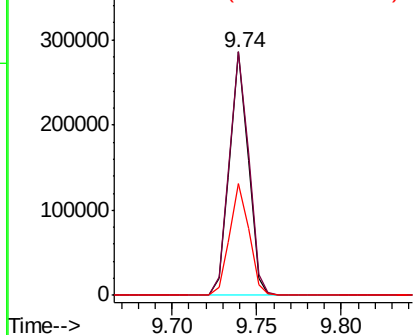
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109288.D
 Acq: 25 Sep 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 222352
 Ion Ratio Lower Upper
 164 100
 162 100.0 86.1 129.1
 160 46.2 38.3 57.5

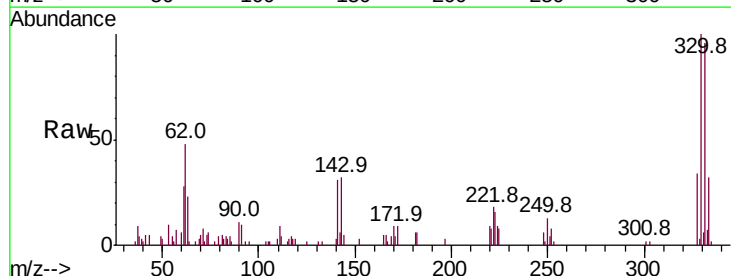


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

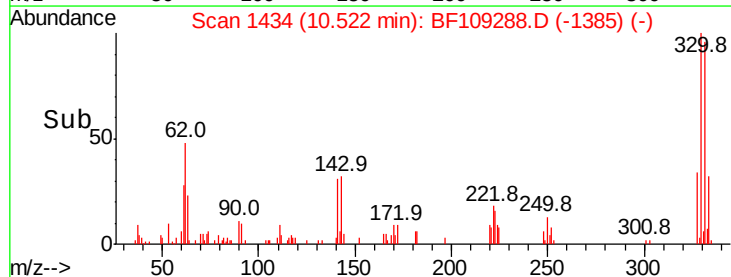
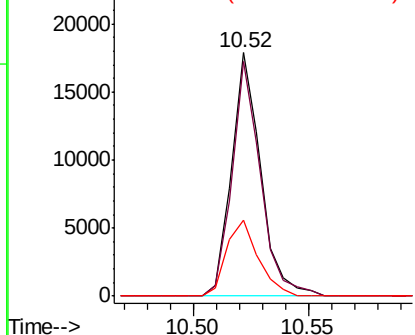


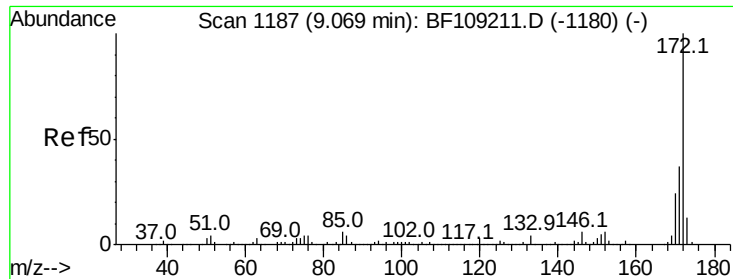
#41
 2,4,6-Tribromophenol
 Concen: 7.176 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109288.D
 Acq: 25 Sep 2018 16:25

Tgt Ion:330 Resp: 15730
 Ion Ratio Lower Upper
 330 100
 332 94.3 77.0 115.6
 141 33.8 29.9 44.9



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

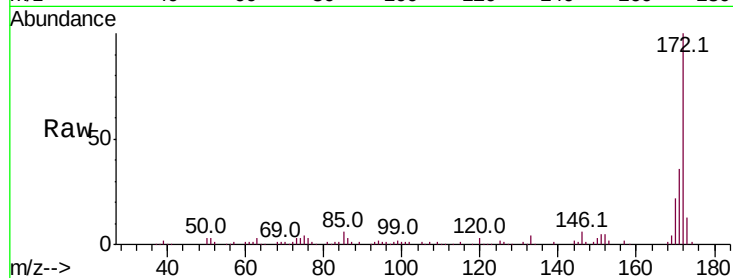




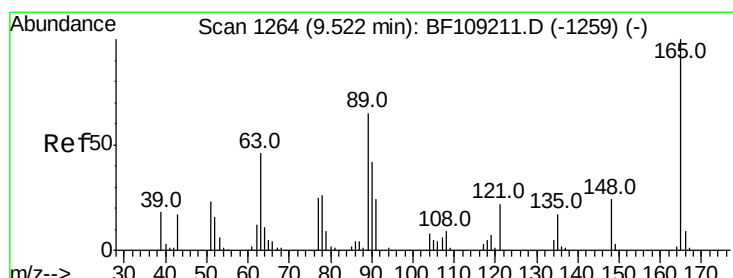
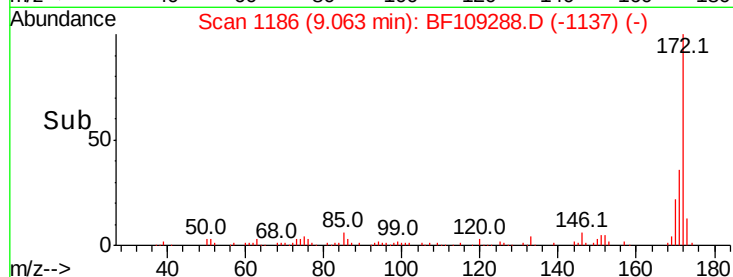
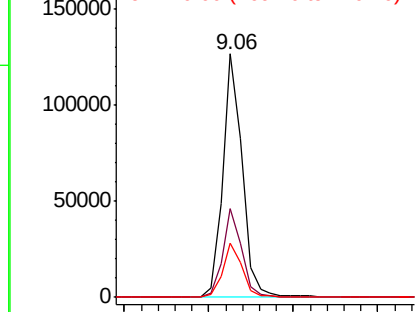
#44
 2-Fluorobiphenyl
 Concen: 6.931 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109288.D
 Acq: 25 Sep 2018 16:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 102182
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 22.3 19.6 29.4

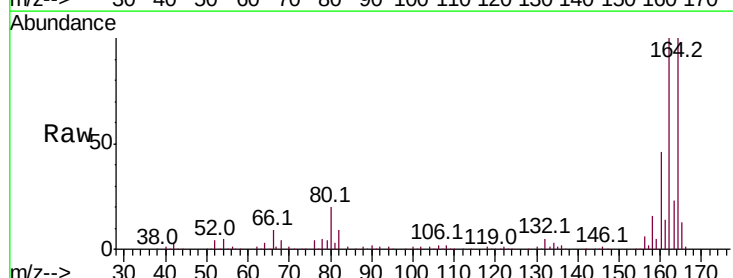


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

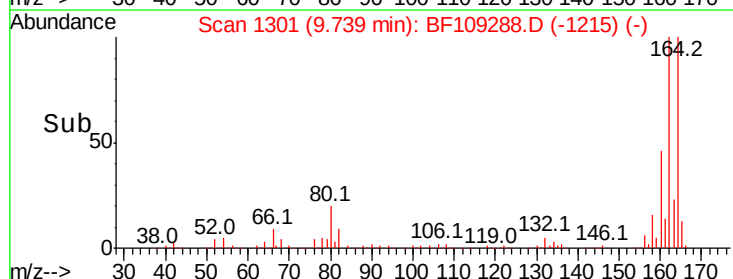
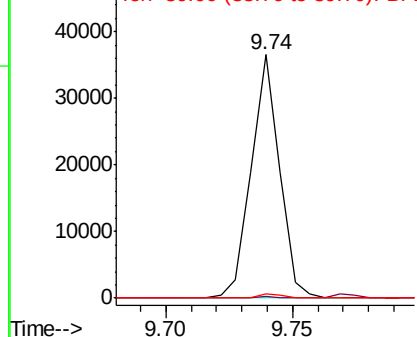


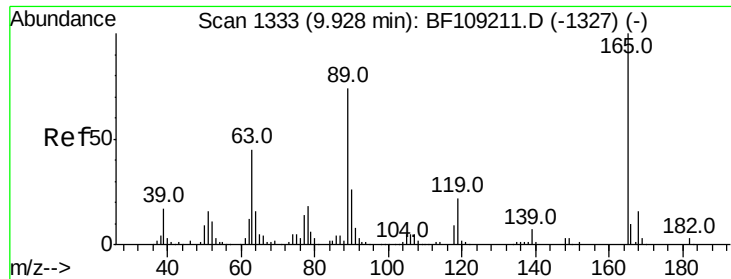
#50
 2,6-Dinitrotoluene
 Concen: 8.884 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF109288.D
 Acq: 25 Sep 2018 16:25

Tgt Ion:165 Resp: 28454
 Ion Ratio Lower Upper
 165 100
 63 0.9 44.7 67.1#
 89 1.5 44.0 66.0#



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

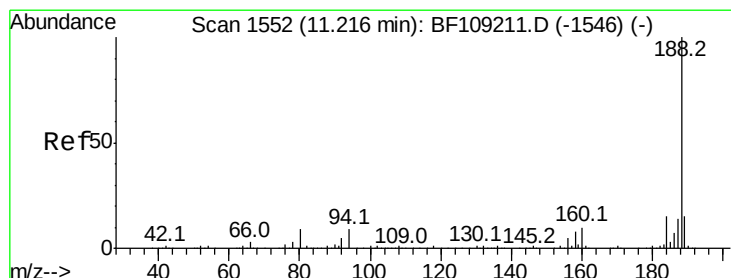
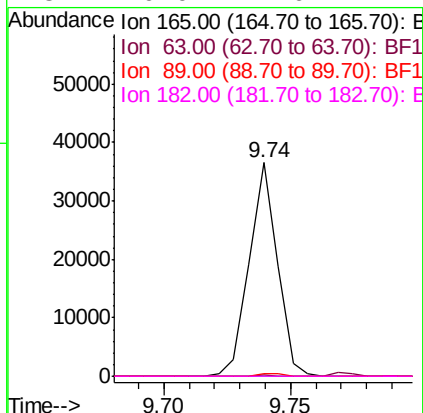
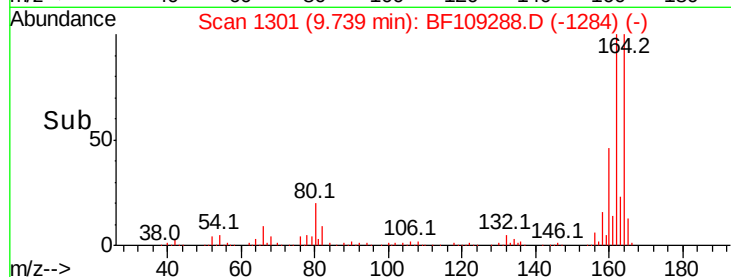
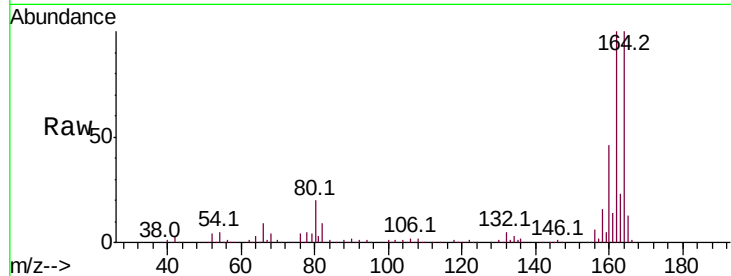




#56
 2,4-Dinitrotoluene
 Concen: 7.021 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109288.D
 Acq: 25 Sep 2018 16:25

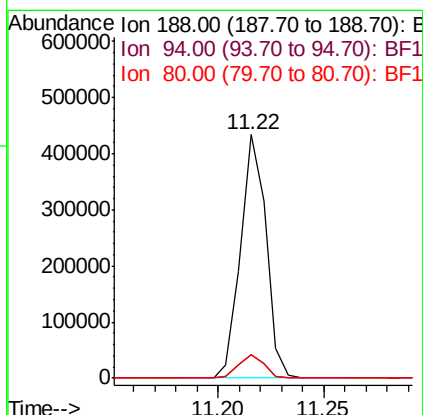
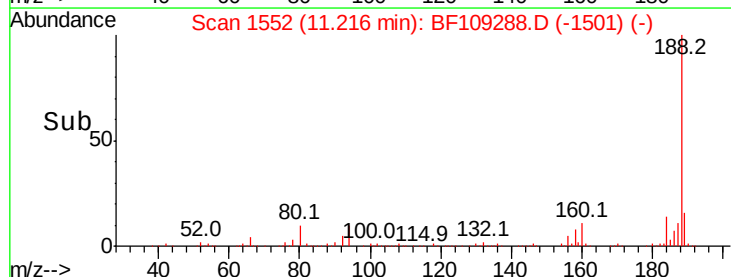
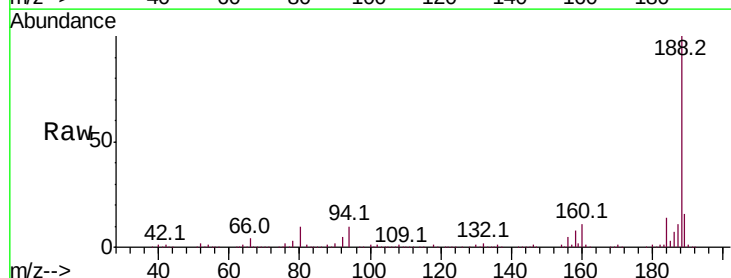
Instrument :
 BNA_F
 ClientSampleId :

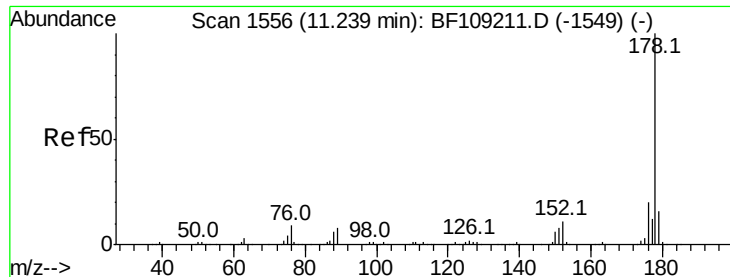
Tot Ion:165	Resp: 28454
Ion Ratio	Lower Upper
165 100	
63 0.9	36.4 54.6#
89 1.5	57.8 86.6#
182 0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. 0.00 min
 Lab File: BF109288.D
 Acq: 25 Sep 2018 16:25

Tgt	Ion:188	Resp:	361736
Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.5	12.7
80	9.8	9.2	13.8

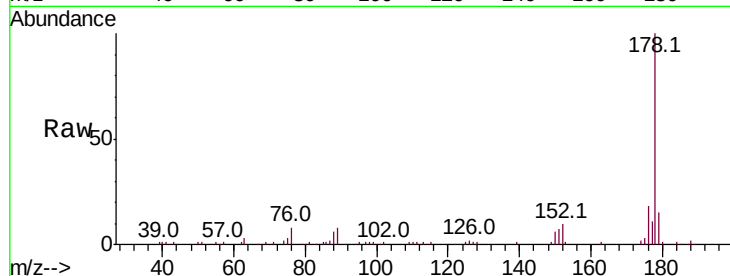




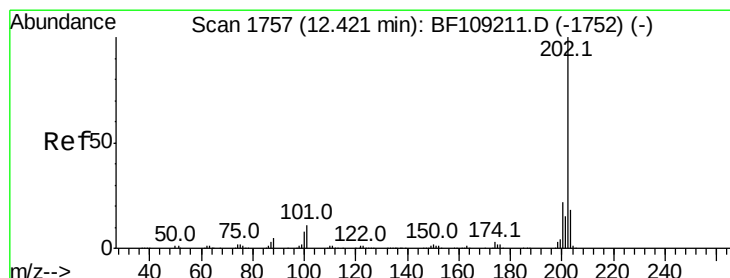
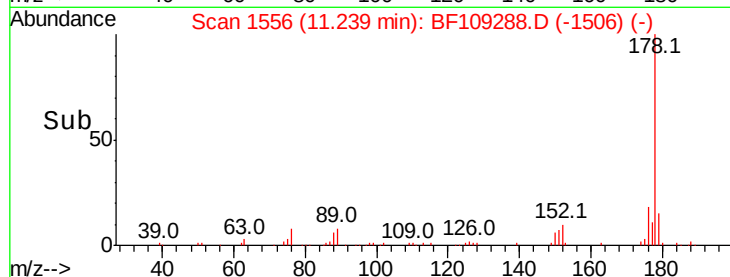
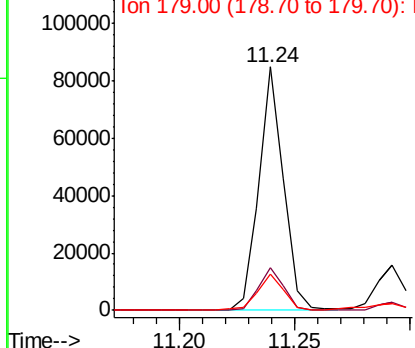
#70
Phenanthrene
Concen: 3.506 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109288.D
Acq: 25 Sep 2018 16:25

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 63324
Ion Ratio Lower Upper
178 100
176 17.5 15.8 23.8
179 14.9 13.0 19.6

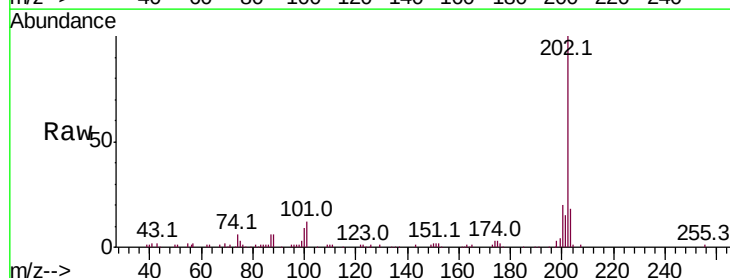


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

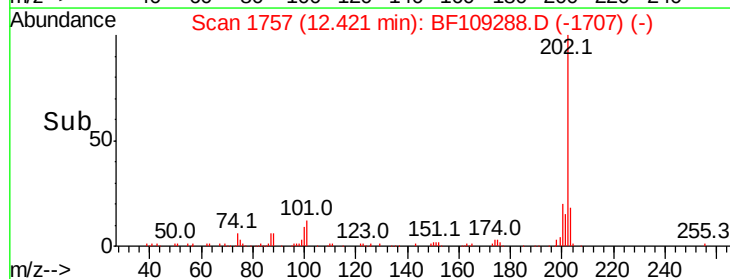
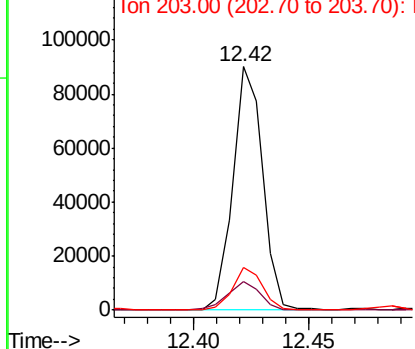


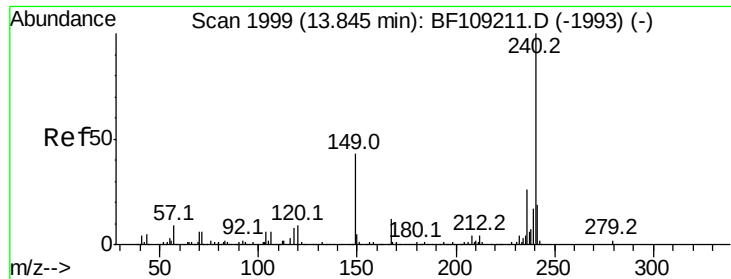
#74
Fluoranthene
Concen: 4.197 ng
RT: 12.42 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BF109288.D
Acq: 25 Sep 2018 16:25

Tgt Ion:202 Resp: 81011
Ion Ratio Lower Upper
202 100
101 11.8 0.0 34.1
203 17.6 0.0 38.1



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

Instrument :

BNA_F

ClientSampled :

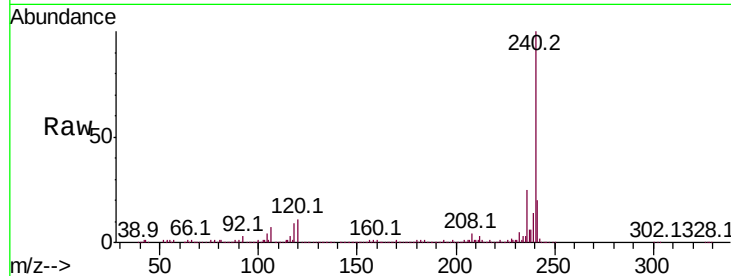
Tot Ion:240 Resp: 307230

Ion Ratio Lower Upper

240 100

120 10.7 9.5 14.3

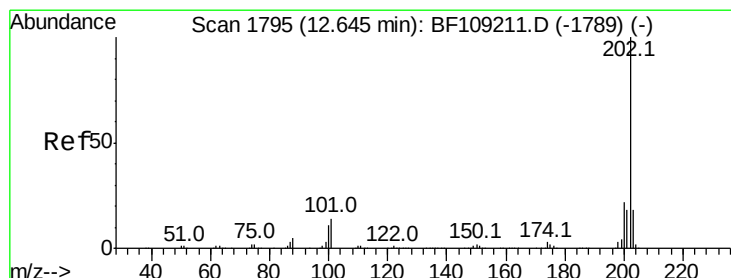
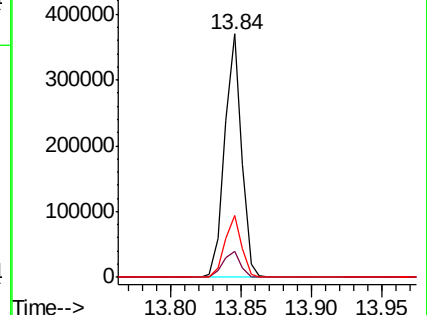
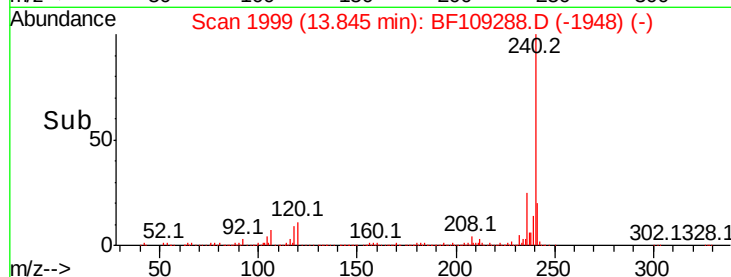
236 25.2 20.7 31.1



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: 3.378 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

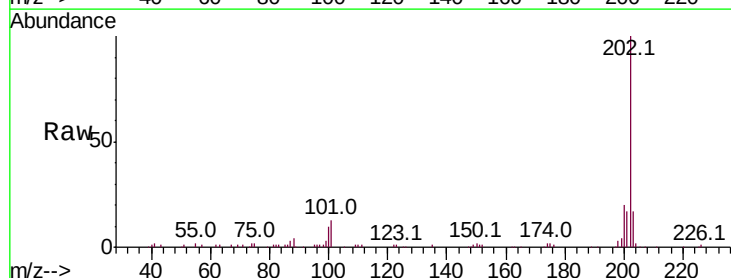
Tgt Ion:202 Resp: 74379

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

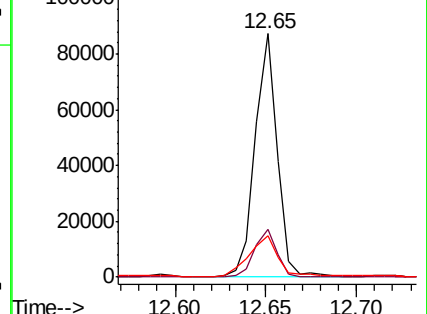
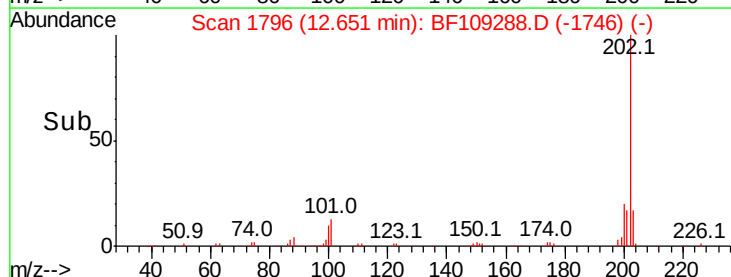
203 17.2 14.3 21.5

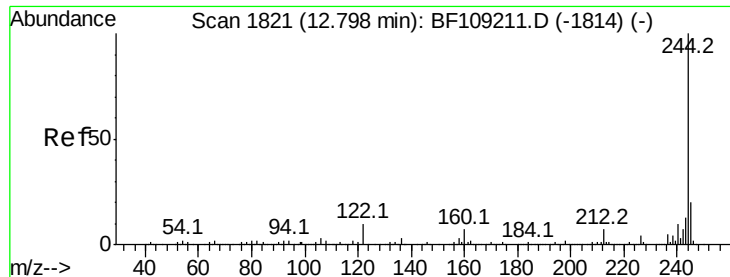


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 6.394 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

Instrument :

BNA_F

ClientSampled :

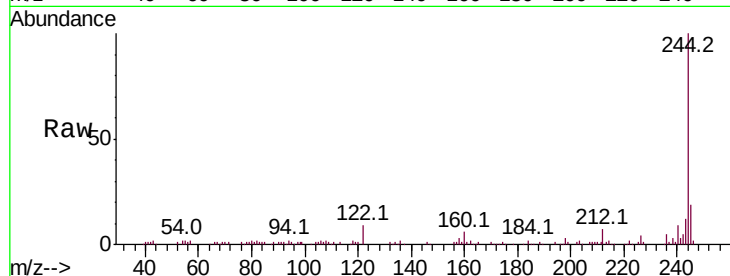
Tot Ion:244 Resp: 80043

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

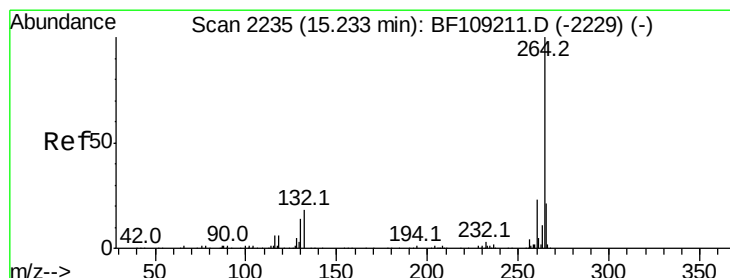
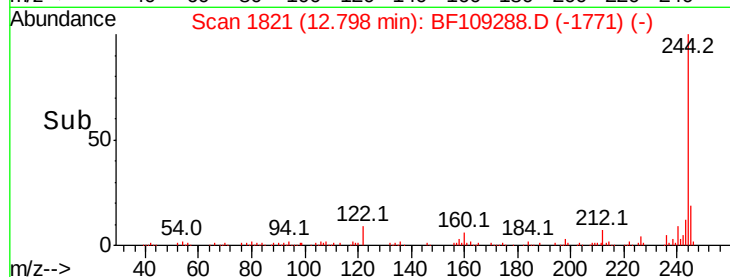
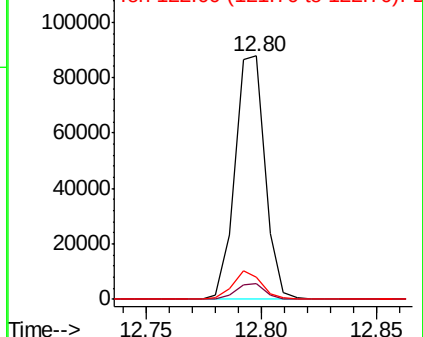
122 8.9 11.0 16.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.25 min Scan# 2238

Delta R.T. 0.01 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

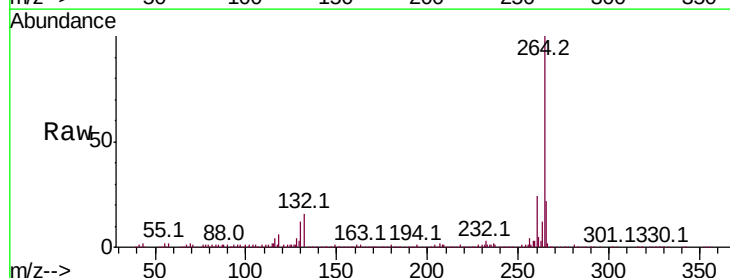
Tgt Ion:264 Resp: 260162

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

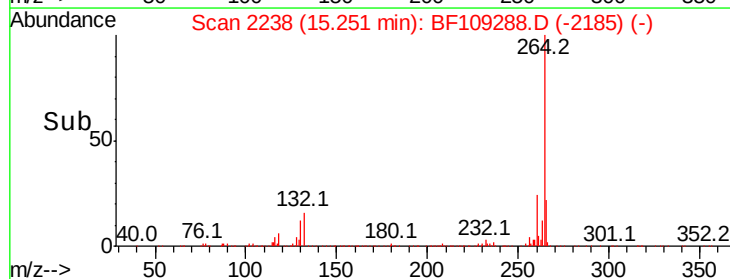
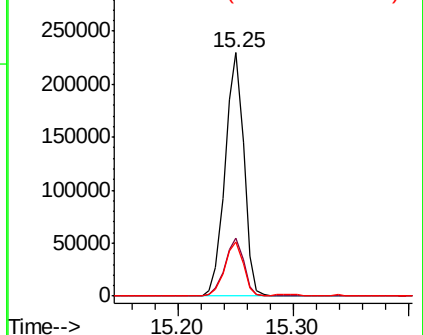
265 22.0 17.5 26.3

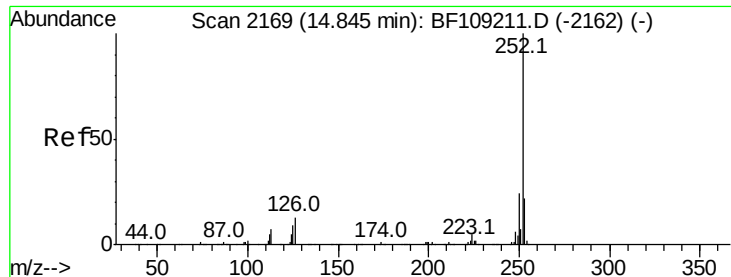


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

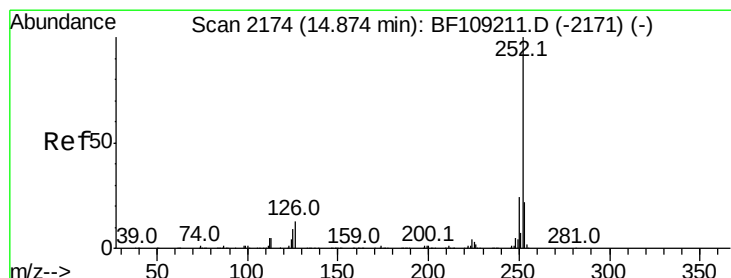
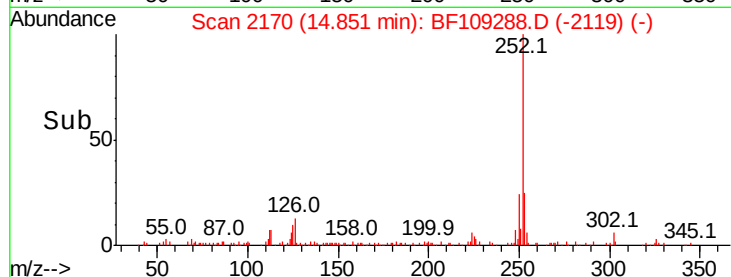
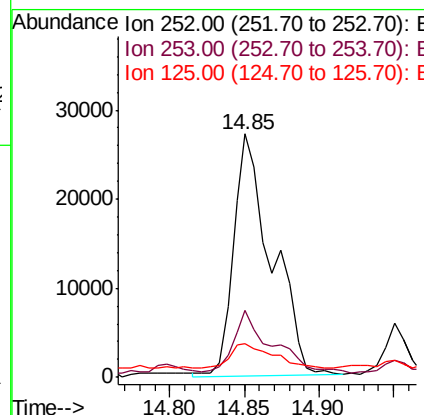
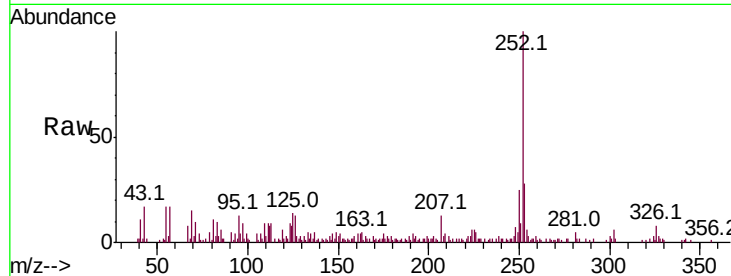




#87
Benzo(b)fluoranthene
Concen: 3.379 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF109288.D
Acq: 25 Sep 2018 16:25

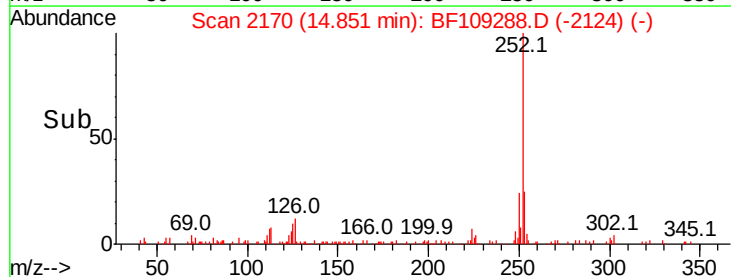
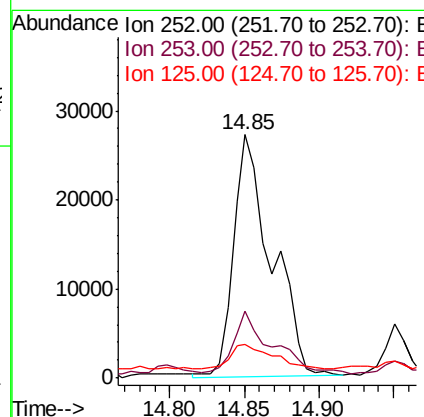
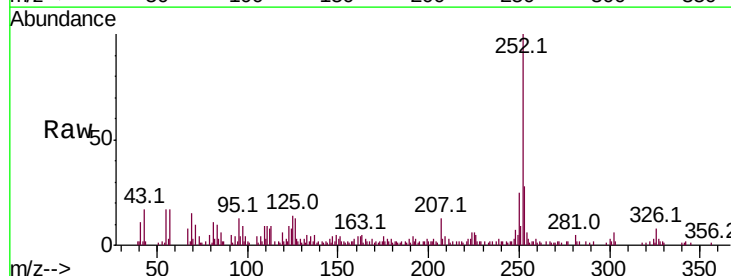
Instrument :
BNA_F
ClientSampleId :

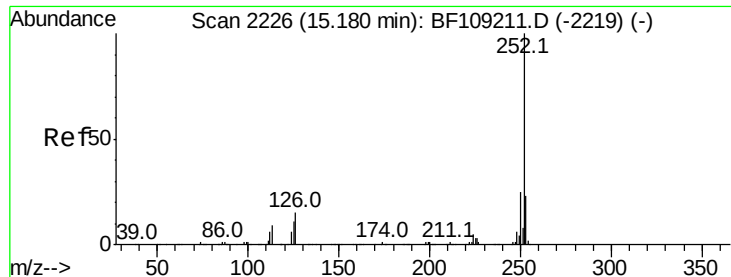
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.0	25.6#
125	14.0	9.0	13.6#



#88
Benzo(k)fluoranthene
Concen: 3.561 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF109288.D
Acq: 25 Sep 2018 16:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.9	26.9#
125	14.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 2.020 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BF109288.D

Acq: 25 Sep 2018 16:25

Instrument :

BNA_F

ClientSampleId :

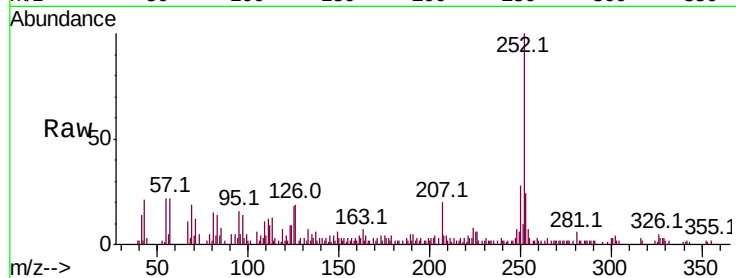
Tot Ion:252 Resp: 26027

Ion Ratio Lower Upper

252 100

253 24.2 17.1 25.7

125 17.6 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

