

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092218\
 Data File : BF109248.D
 Acq On : 23 Sep 2018 4:12
 Operator : JU/SJ
 Sample : J5017-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 24 06:53:36 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	100814	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	362145	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	148734	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	219762	20.00	ng	0.00
75) Chrysene-d12	13.84	240	201516	20.00	ng	0.00
86) Perylene-d12	15.24	264	171593	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	724694	118.40	ng	0.00
7) Phenol-d6	6.35	99	944675	120.95	ng	-0.01
23) Nitrobenzene-d5	7.27	82	586790	95.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.52	330	161484	110.14	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	1002546	101.66	ng	-0.01
78) Terphenyl-d14	12.80	244	680381	82.86	ng	0.00

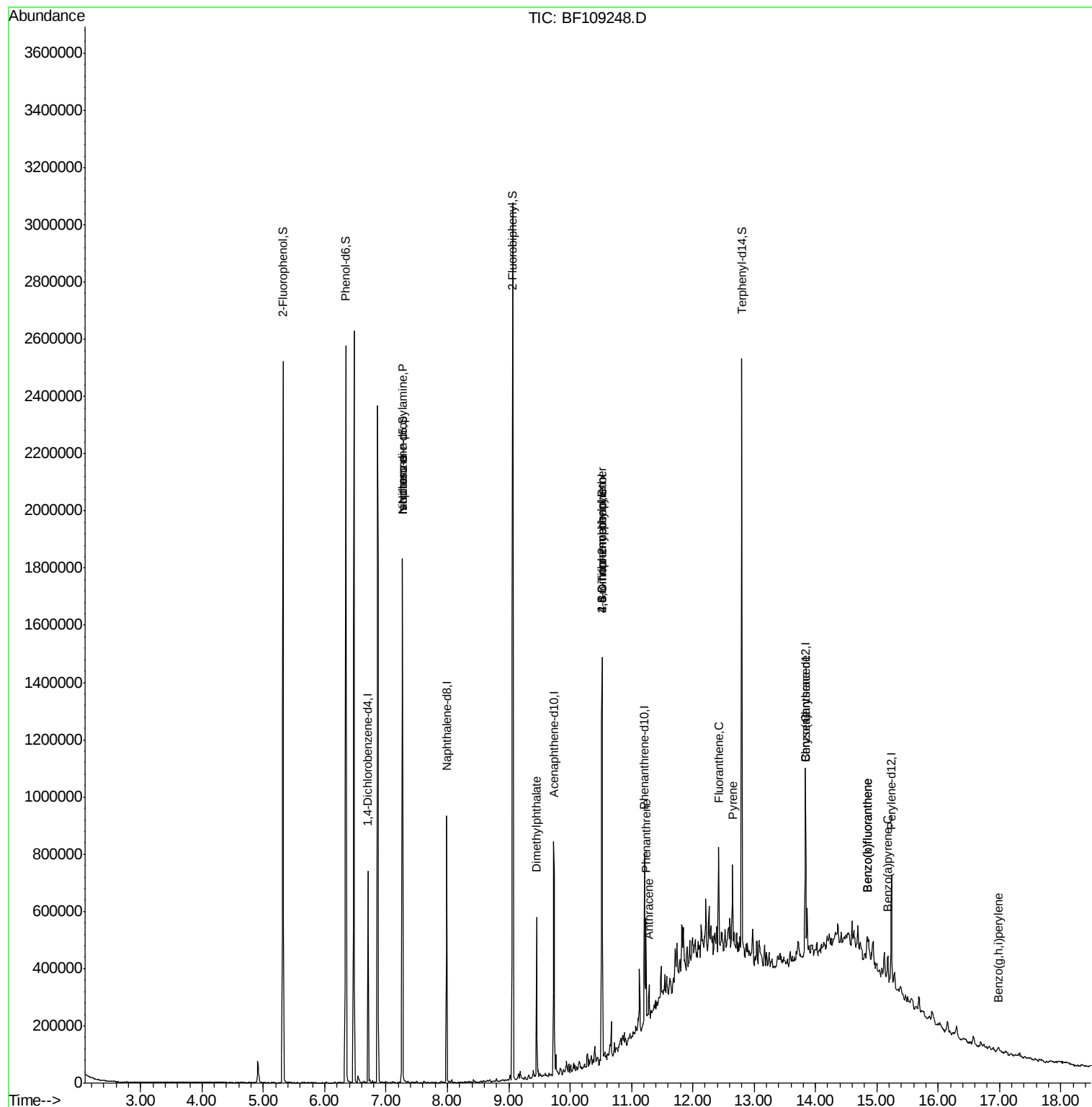
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	80070	15.645	ng	# 79
25) Isophorone	7.27	82	549262	49.720	ng	# 64
49) Dimethylphthalate	9.46	163	201941	18.667	ng	98
64) 4,6-Dinitro-2-methylphenol	10.52	198	295	6.810	ng	# 1
66) 4-Bromophenyl-phenylether	10.52	248	10300	4.221	ng	# 1
70) Phenanthrene	11.23	178	125549	11.442	ng	99
71) Anthracene	11.29	178	35568	3.196	ng	96
74) Fluoranthene	12.42	202	119709	10.209	ng	95
77) Pyrene	12.65	202	124851	8.645	ng	98
80) Benzo(a)anthracene	13.83	228	66451	5.475	ng	96
82) Chrysene	13.83	228	66451	5.524	ng	94
87) Benzo(b)fluoranthene	14.84	252	63449	6.729	ng	# 83
88) Benzo(k)fluoranthene	14.84	252	63449	7.091	ng	# 86
89) Benzo(a)pyrene	15.18	252	35038	4.124	ng	# 87
91) Benzo(a,h,i)perylene	16.97	276	14758	2.154	ng	93

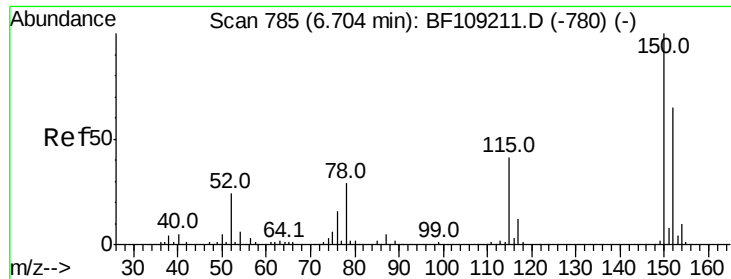
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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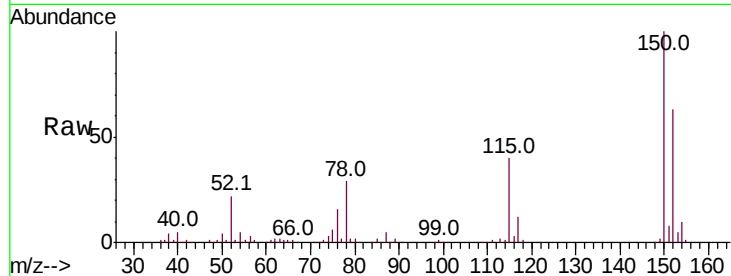


#1

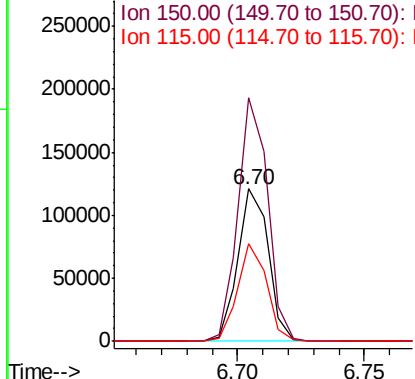
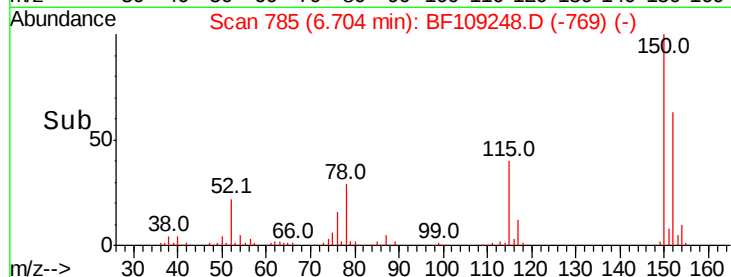
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 100814
Ion Ratio Lower Upper
152 100
150 159.7 124.6 186.8
115 63.7 50.1 75.1



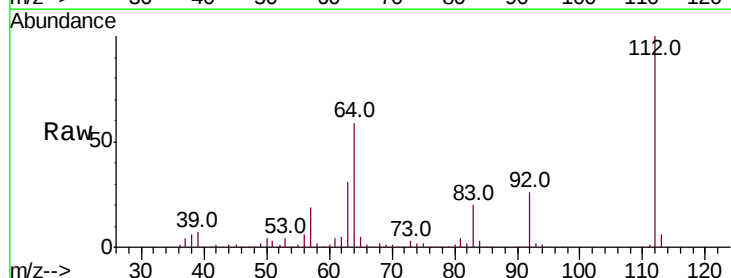
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



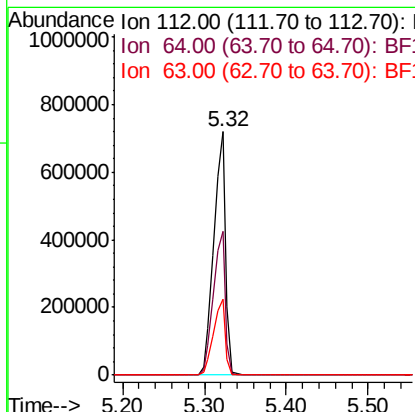
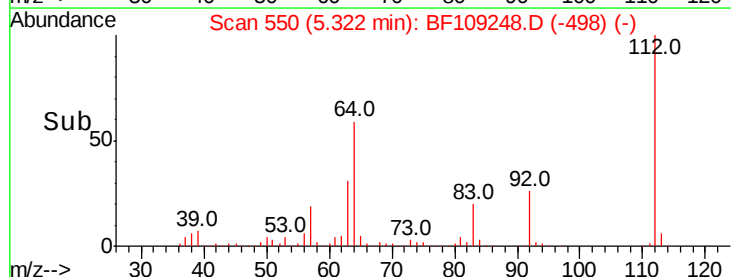
#5

2-Fluorophenol
Concen: 118.399 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Tgt Ion:112 Resp: 724694
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 31.1 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: 120.952 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampled :

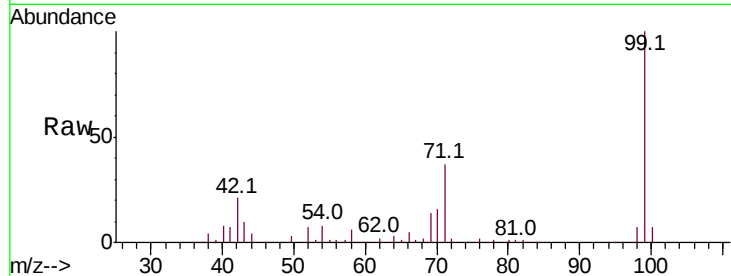
Tot Ion: 99 Resp: 944675

Ion Ratio Lower Upper

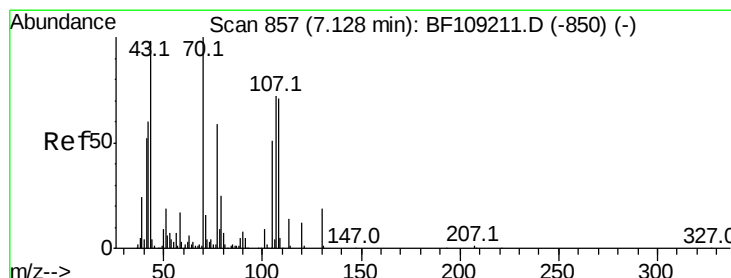
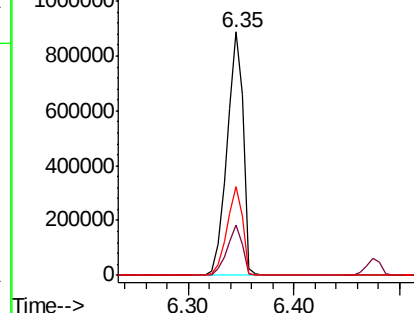
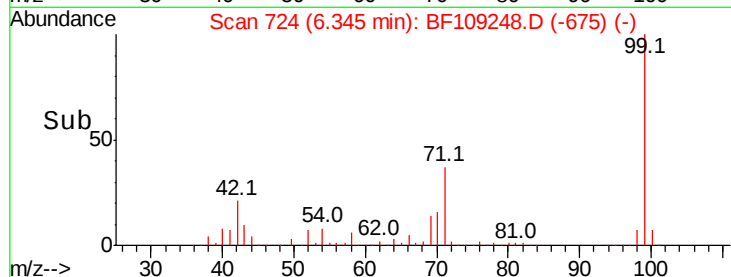
99 100

42 20.6 14.5 21.7

71 36.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.645 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Tgt Ion: 70 Resp: 80070

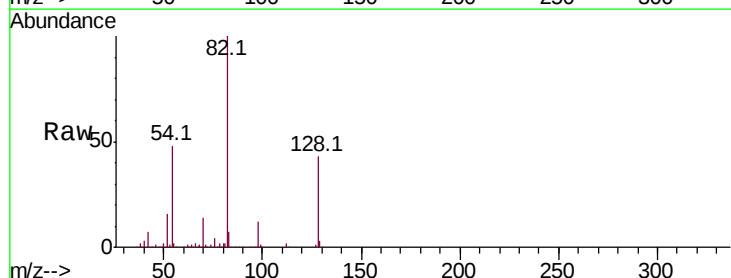
Ion Ratio Lower Upper

70 100

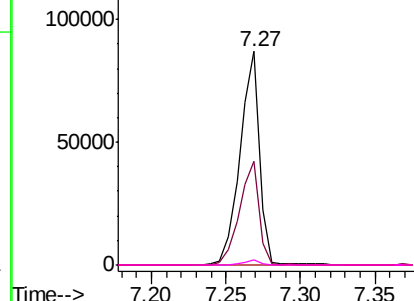
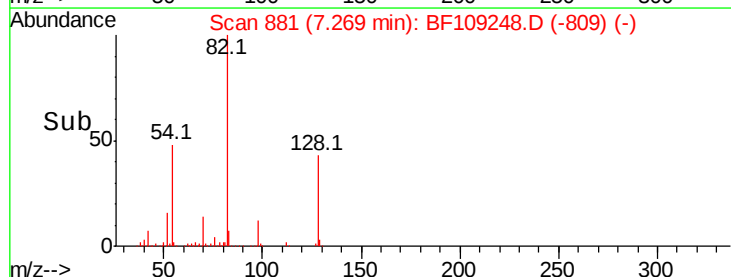
42 48.6 47.5 71.3

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1003

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 362145

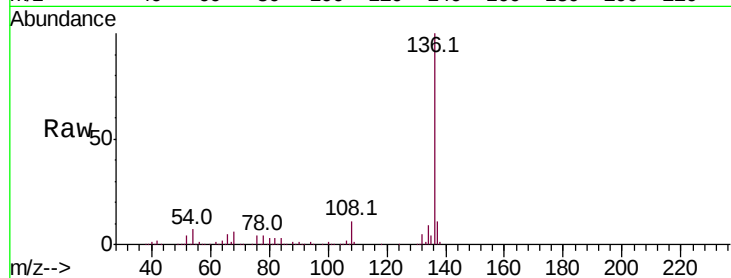
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 7.3 6.6 9.8

68 5.8 5.0 7.4

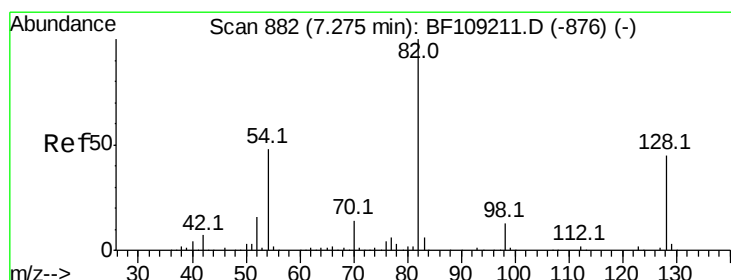
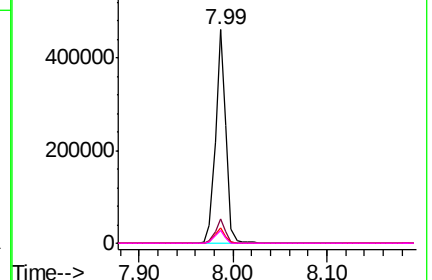
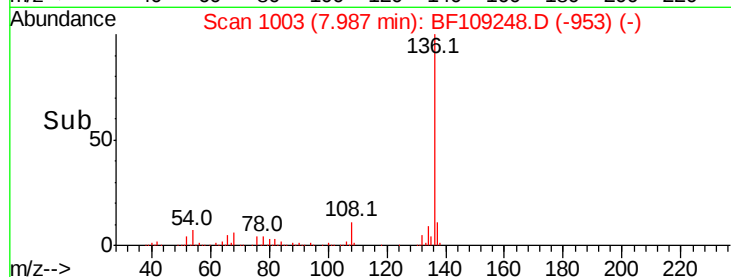


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.650 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

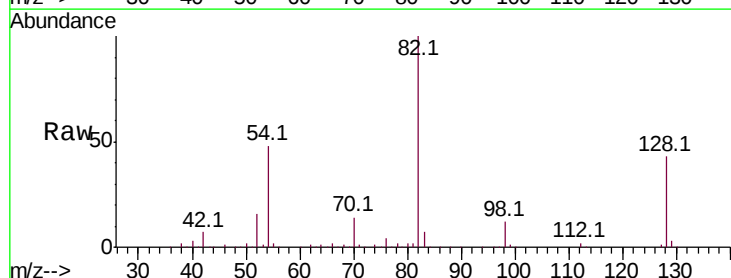
Tgt Ion: 82 Resp: 586790

Ion Ratio Lower Upper

82 100

128 43.1 36.1 54.1

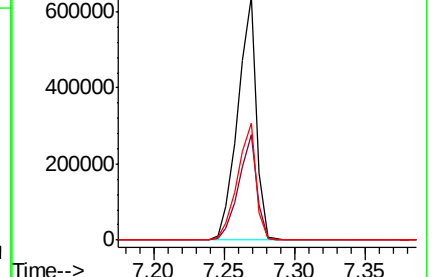
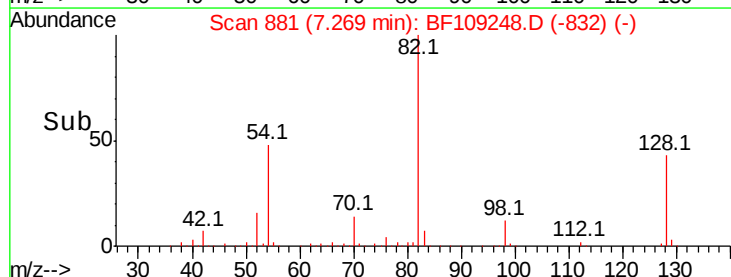
54 47.9 41.4 62.2

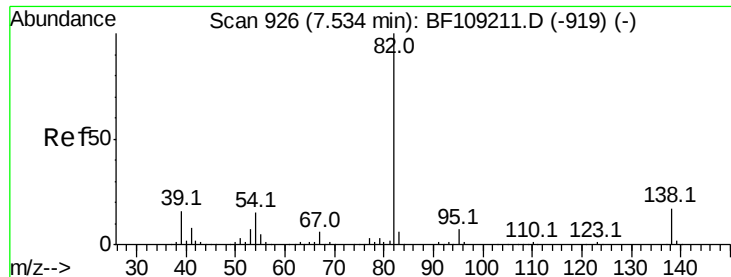


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 49.720 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampled :

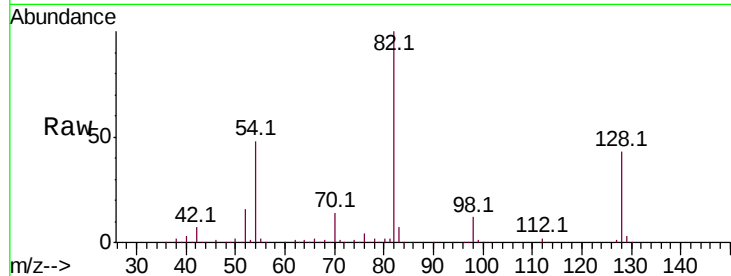
Tot Ion: 82 Resp: 549262

Ion Ratio Lower Upper

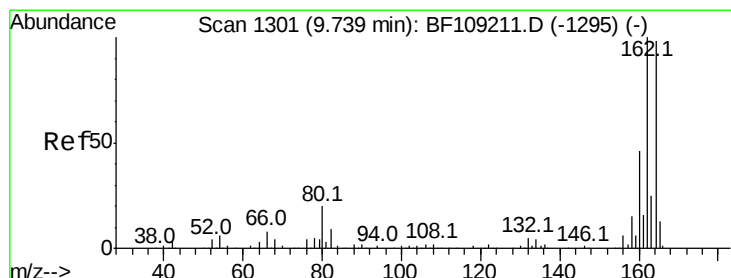
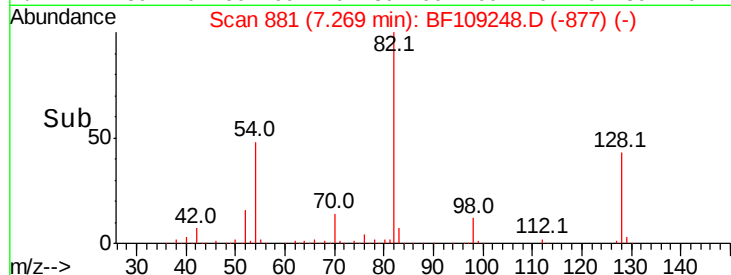
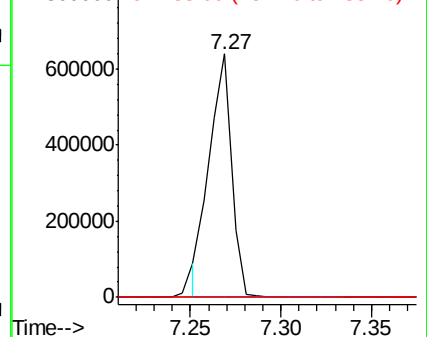
82 100

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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

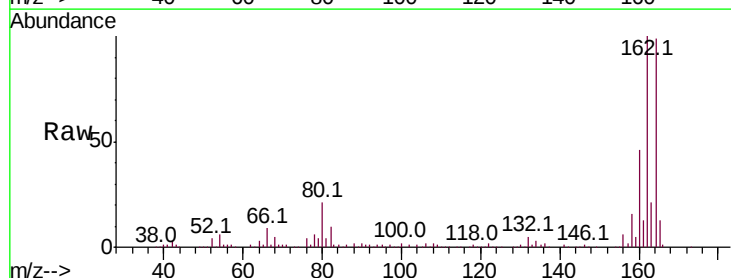
Tgt Ion: 164 Resp: 148734

Ion Ratio Lower Upper

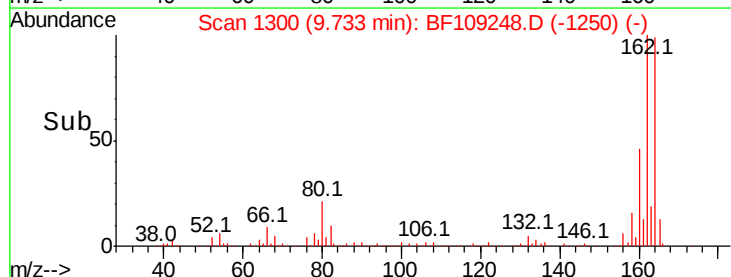
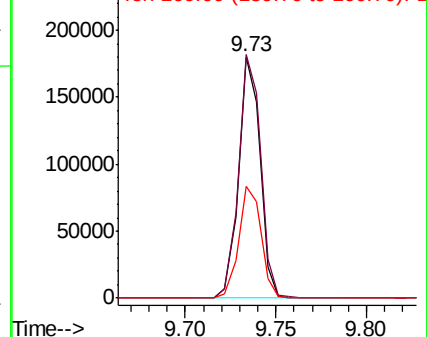
164 100

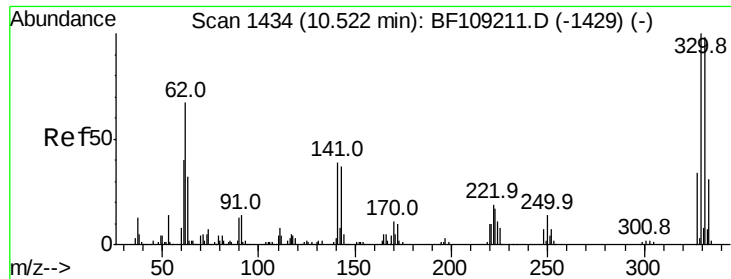
162 101.0 86.1 129.1

160 46.1 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

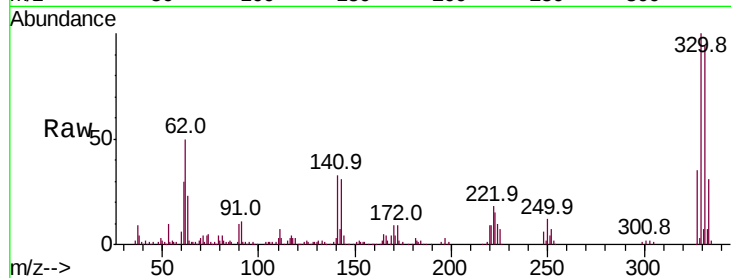




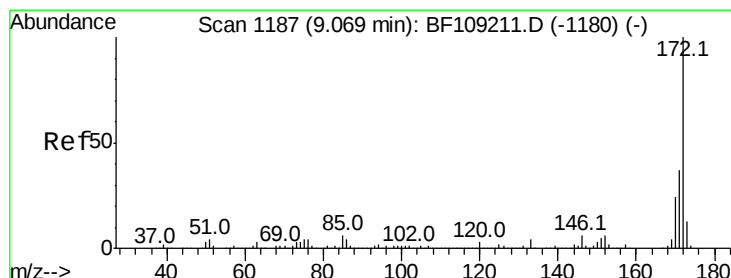
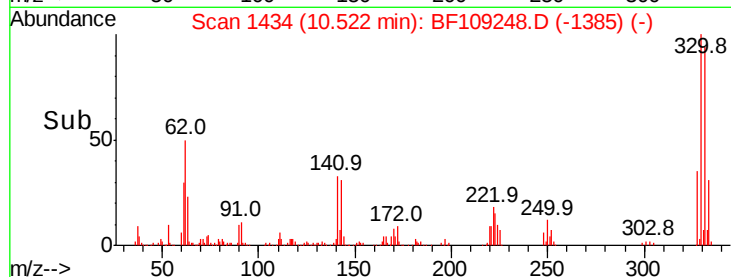
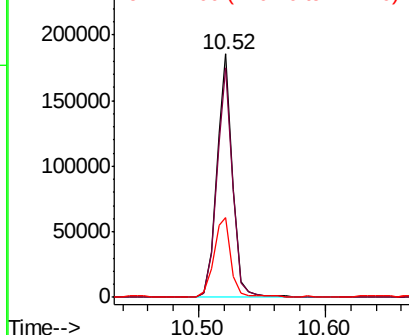
#41
 2,4,6-Tribromophenol
 Concen: 110.137 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109248.D
 Acq: 23 Sep 2018 4:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 161484
 Ion Ratio Lower Upper
 330 100
 332 95.1 77.0 115.6
 141 36.2 29.9 44.9

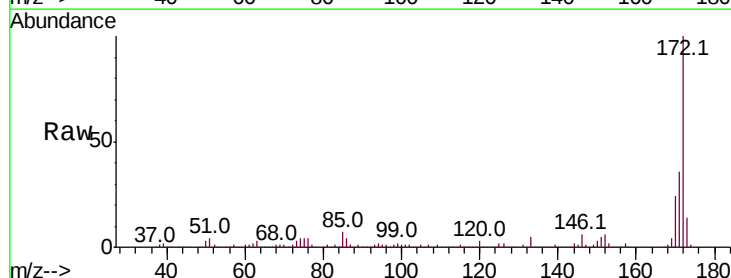


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

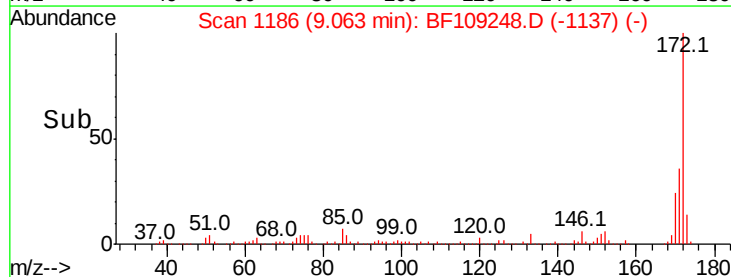
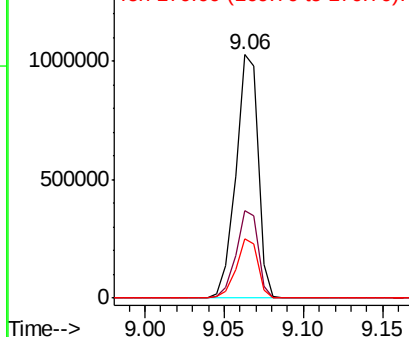


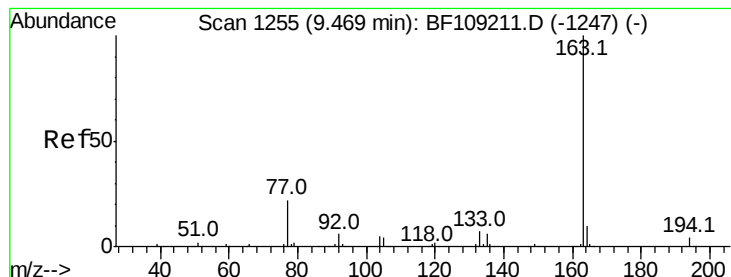
#44
 2-Fluorobiphenyl
 Concen: 101.660 ng
 RT: 9.06 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF109248.D
 Acq: 23 Sep 2018 4:12

Tgt Ion:172 Resp: 1002546
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 24.2 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





#49

Dimethylphthalate

Concen: 18.667 ng

RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampleId :

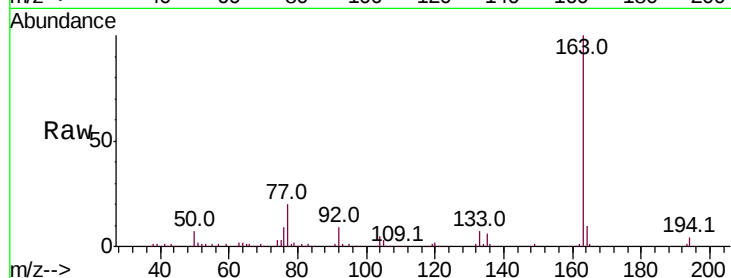
Tot Ion:163 Resp: 201941

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

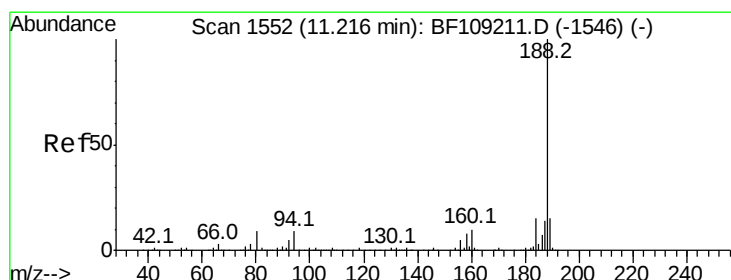
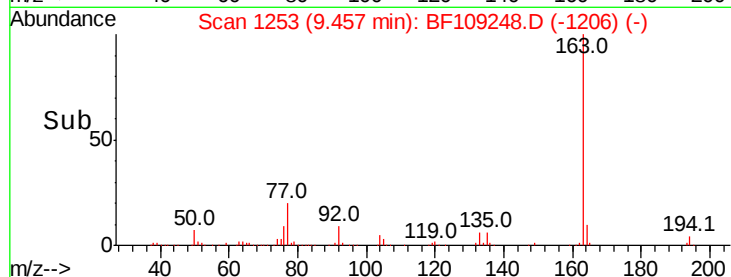
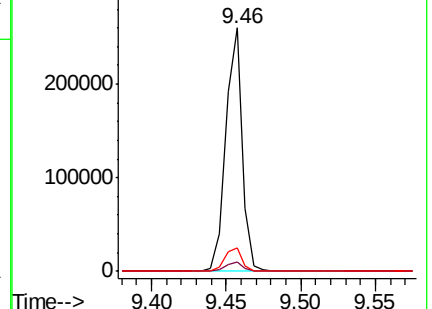
164 9.6 8.2 12.2



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



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.21 min Scan# 1551

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

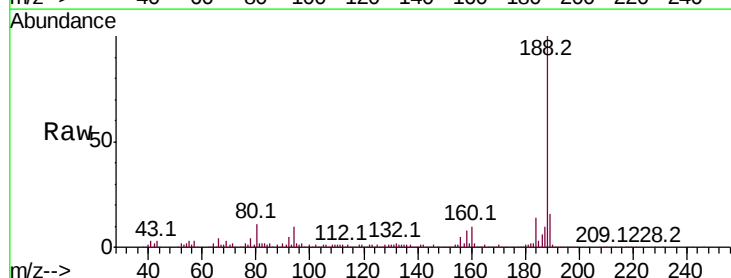
Tgt Ion:188 Resp: 219762

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

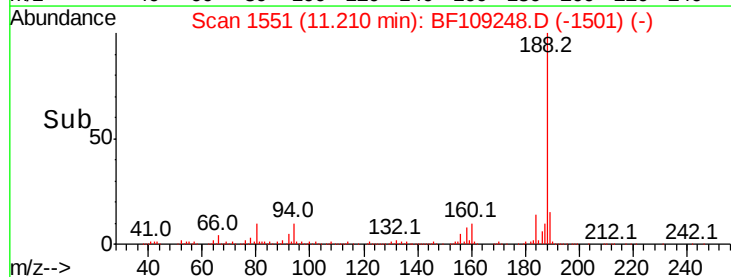
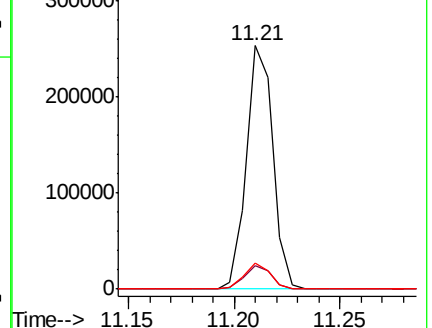
80 10.5 9.2 13.8

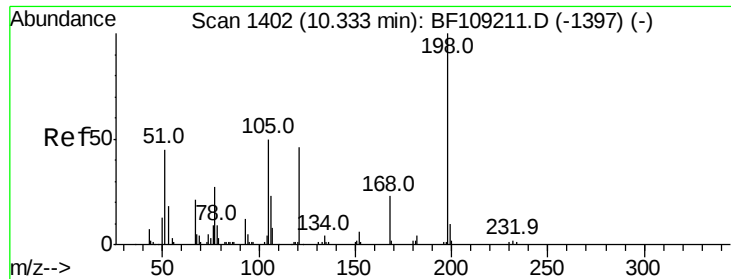


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

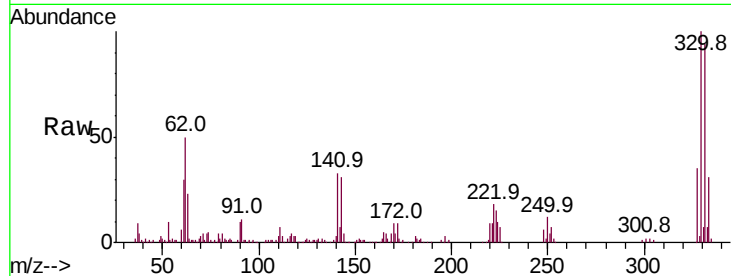




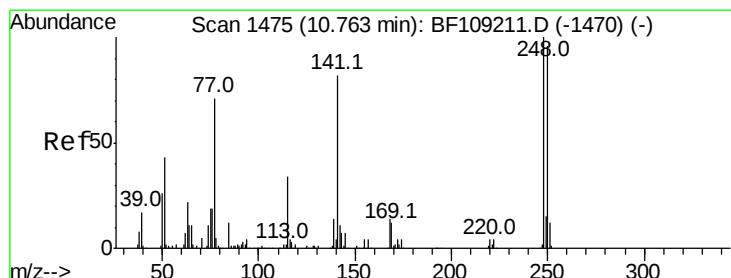
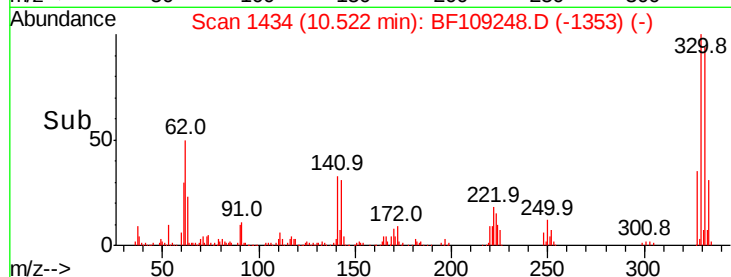
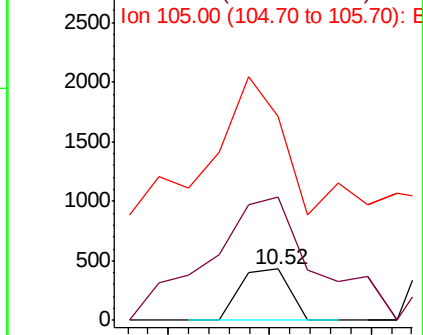
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.810 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.18 min
 Lab File: BF109248.D
 Acq: 23 Sep 2018 4:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 295
 Ion Ratio Lower Upper
 198 100
 51 239.3 37.7 77.7#
 105 396.5 36.3 76.3#

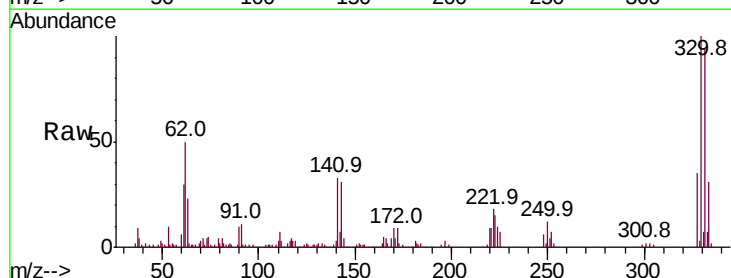


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

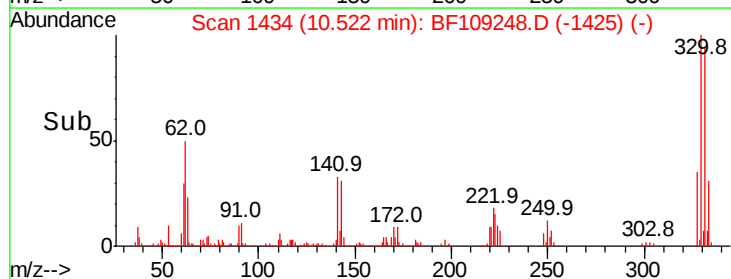
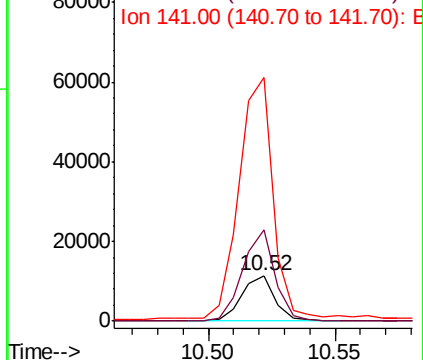


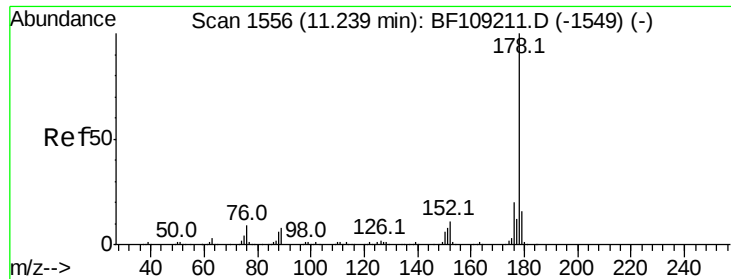
#66
 4-Bromophenyl-phenylether
 Concen: 4.221 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF109248.D
 Acq: 23 Sep 2018 4:12

Tgt Ion:248 Resp: 10300
 Ion Ratio Lower Upper
 248 100
 250 201.5 76.9 115.3#
 141 535.9 74.4 111.6#



Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 11.442 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampleId :

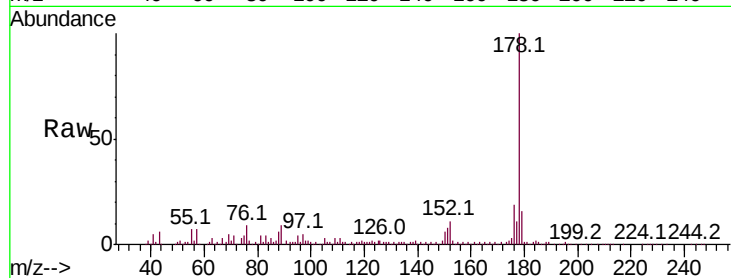
Tot Ion:178 Resp: 125549

Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

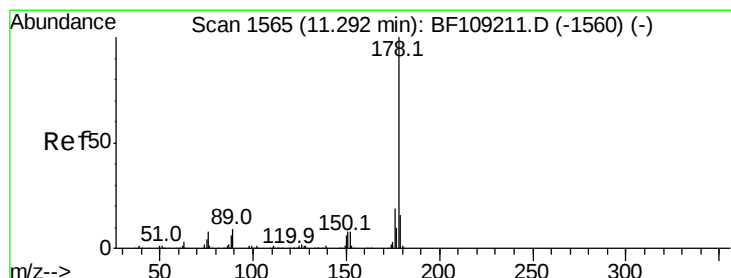
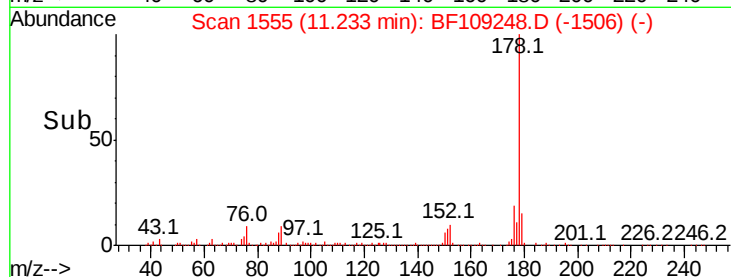
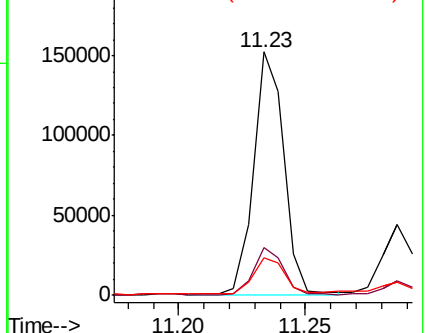
179 15.6 13.0 19.6



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



#71

Anthracene

Concen: 3.196 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

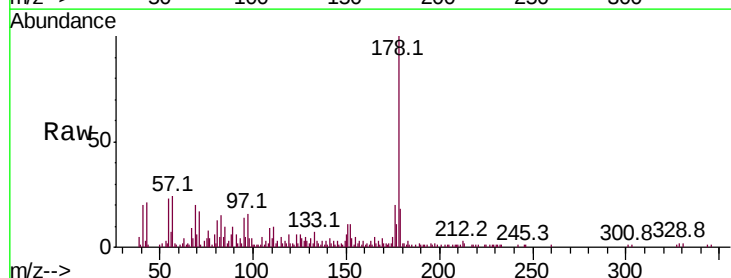
Tgt Ion:178 Resp: 35568

Ion Ratio Lower Upper

178 100

176 20.1 15.4 23.2

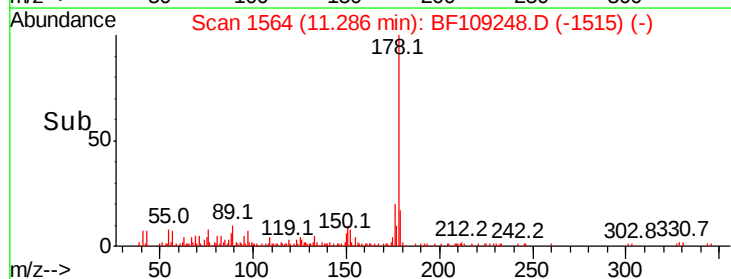
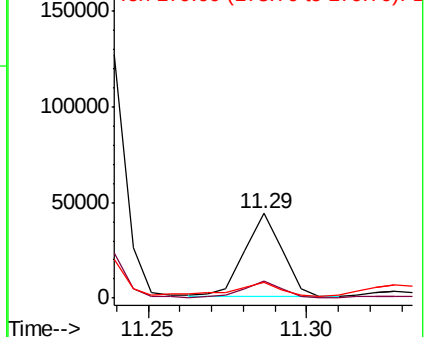
179 18.2 12.6 19.0

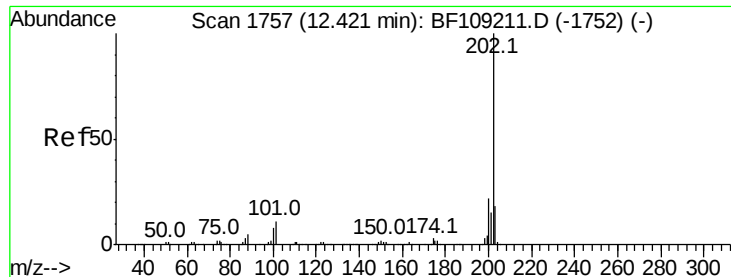


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.209 ng

RT: 12.42 min Scan# 1757

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampleId :

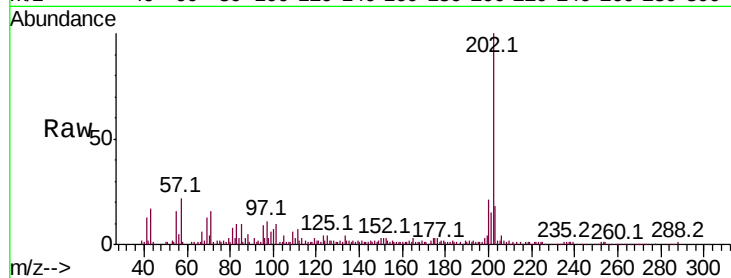
Tot Ion:202 Resp: 119709

Ion Ratio Lower Upper

202 100

101 9.8 0.0 34.1

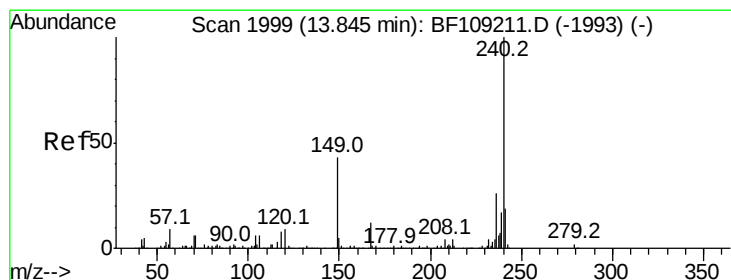
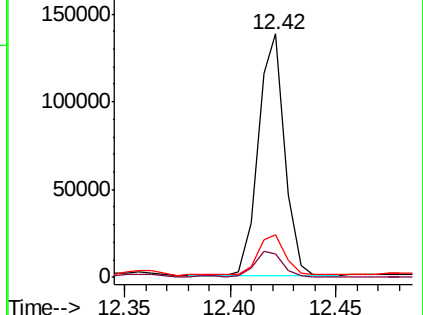
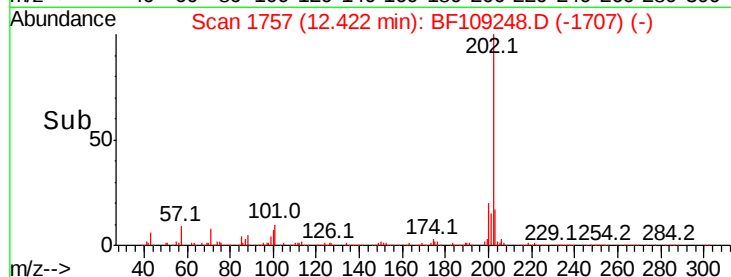
203 17.6 0.0 38.1



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# 1998

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

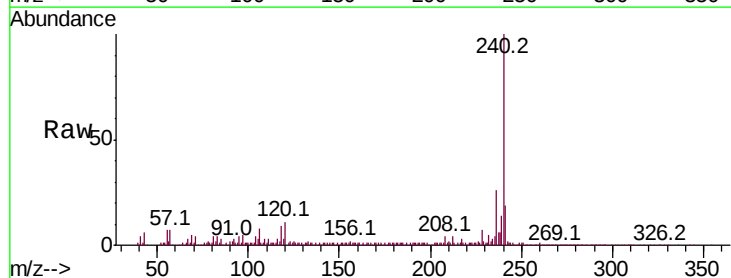
Tgt Ion:240 Resp: 201516

Ion Ratio Lower Upper

240 100

120 11.3 9.5 14.3

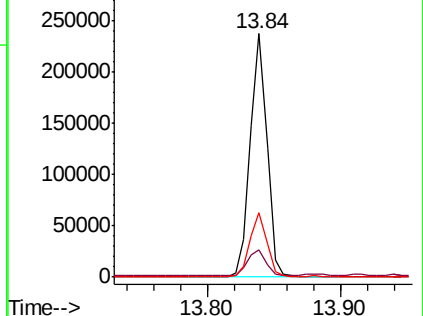
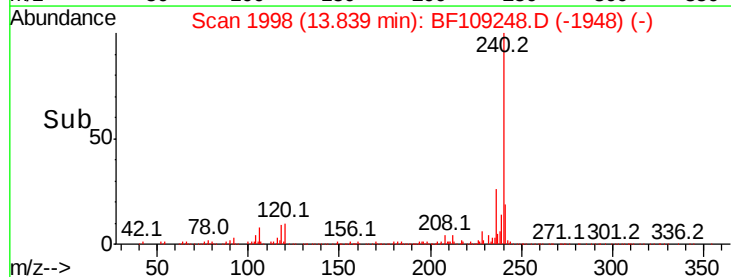
236 26.3 20.7 31.1

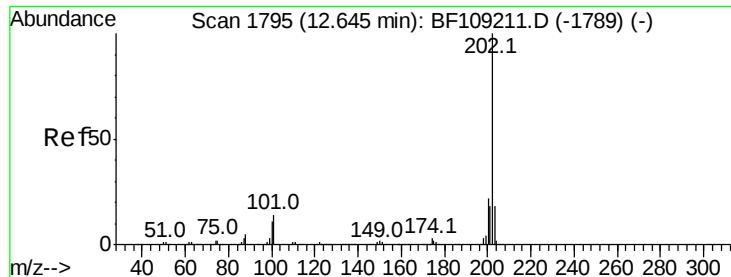


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 8.645 ng

RT: 12.65 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF109248.D

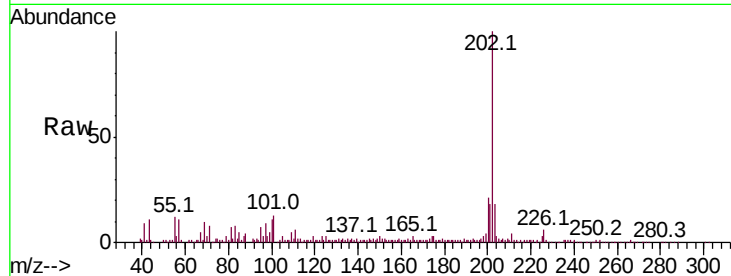
Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	202	Resp:	124851
Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.2
203	18.4	14.3	21.5



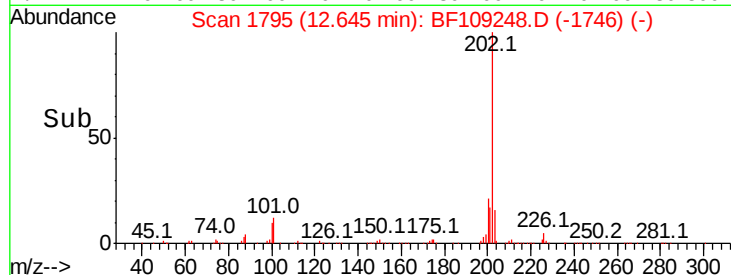
Abundance

Ion 202.00 (201.70 to 202.70): E

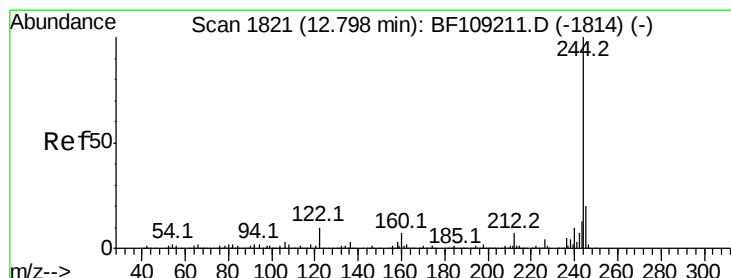
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.65



Time-->



#78

Terphenyl-d14

Concen: 82.860 ng

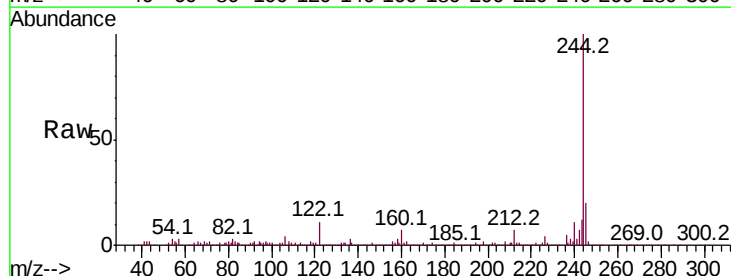
RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Tgt Ion:	244	Resp:	680381
Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.1	11.0	16.4



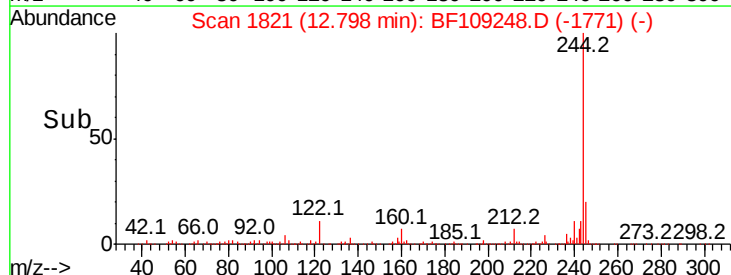
Abundance

Ion 244.00 (243.70 to 244.70): E

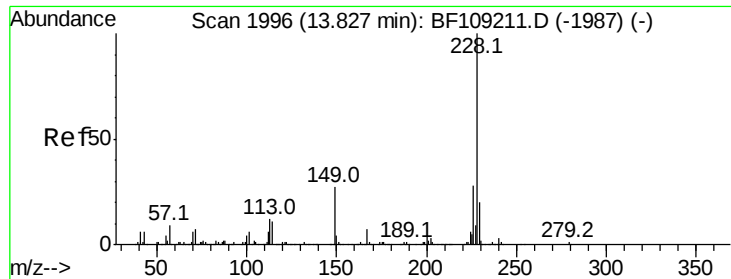
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

12.80



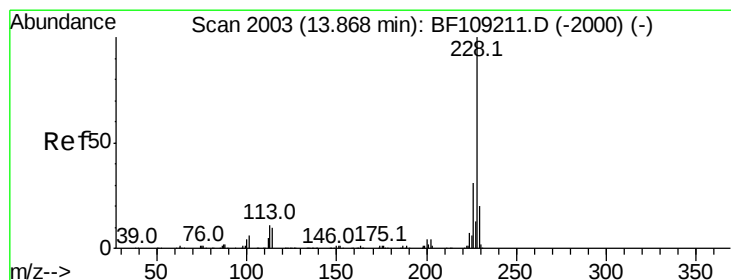
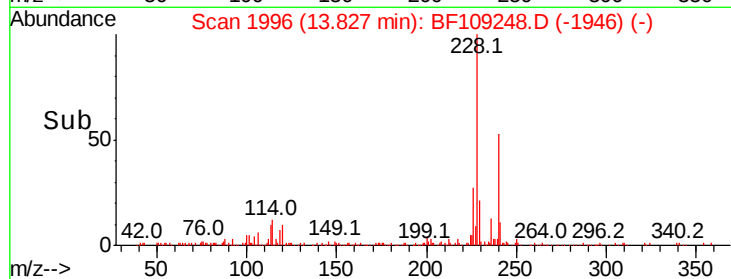
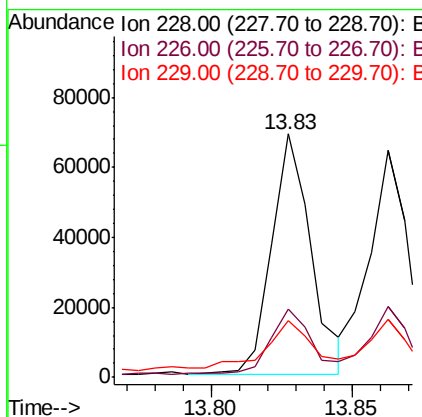
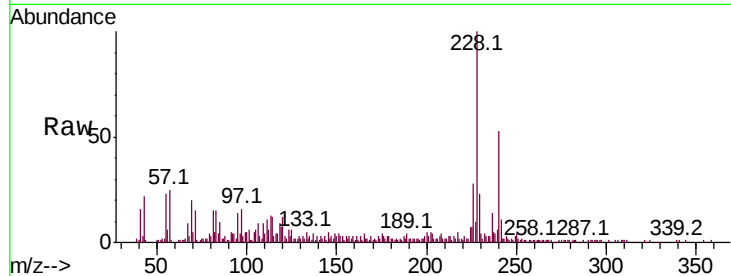
Time-->



#80
Benzo(a)anthracene
Concen: 5.475 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

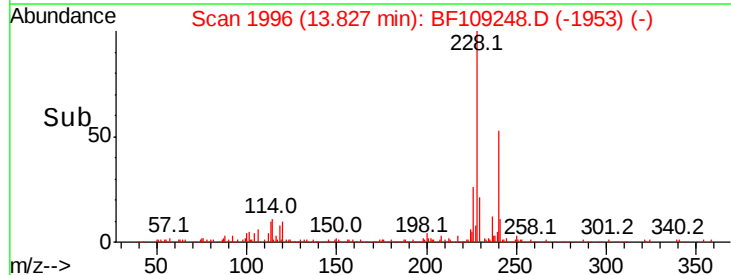
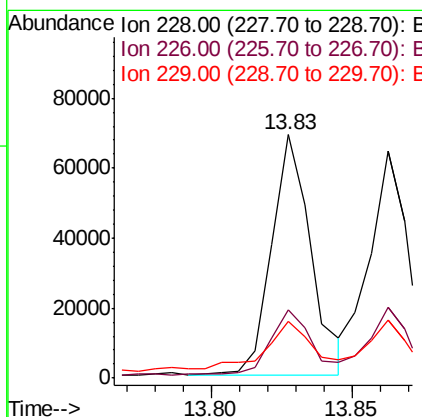
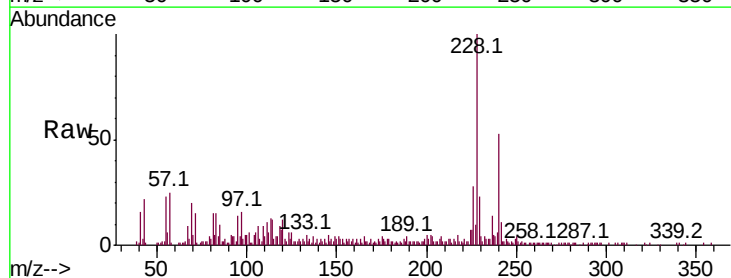
Instrument :
BNA_F
ClientSampleId :

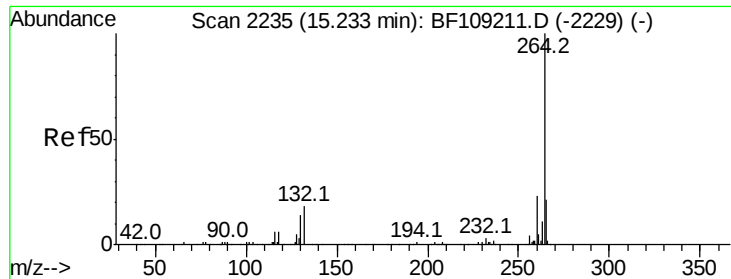
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	23.1	15.8	23.6



#82
Chrysene
Concen: 5.524 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.05 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.8	25.0	37.6
229	23.1	16.2	24.4



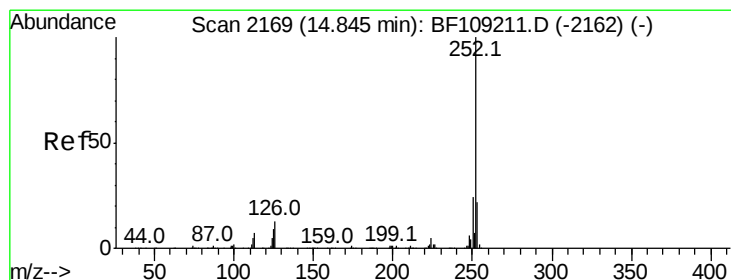
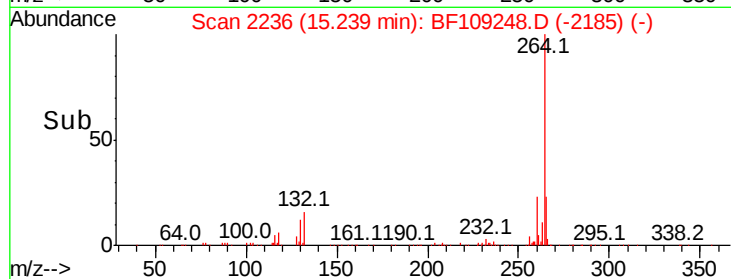
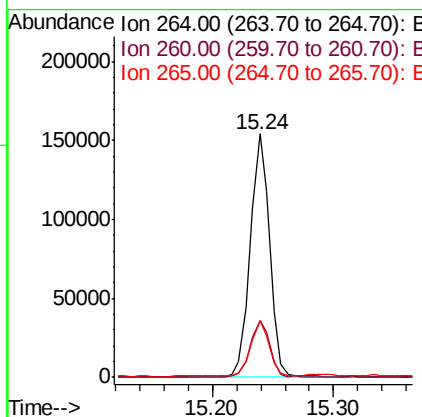
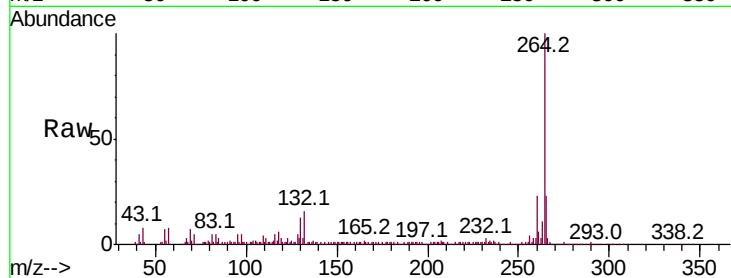


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. 0.00 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 171593

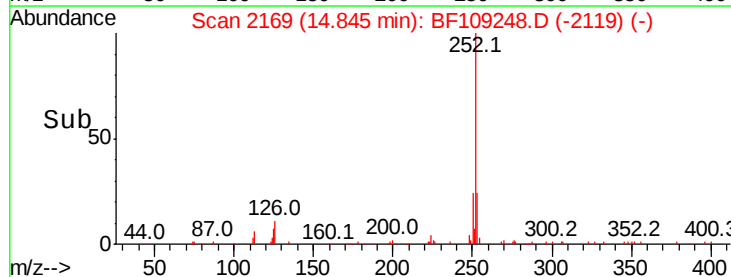
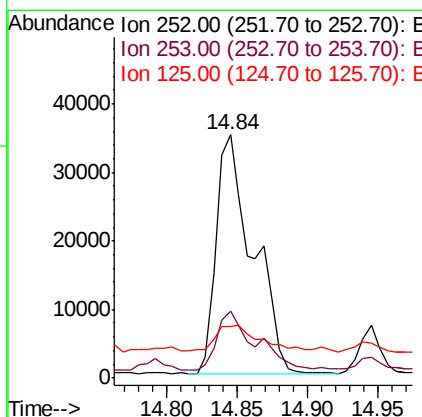
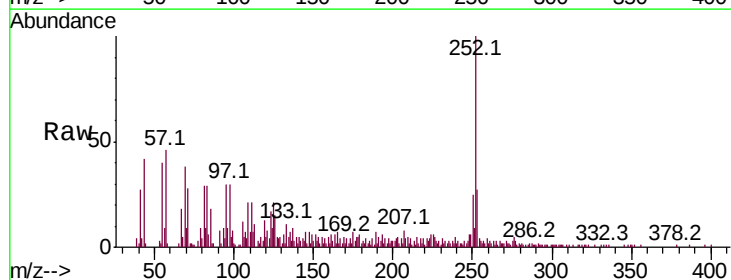
Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	23.1	17.5	26.3

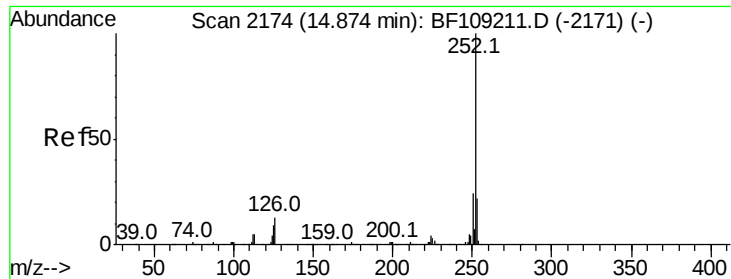


#87
Benzo(b)fluoranthene
Concen: 6.729 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF109248.D
Acq: 23 Sep 2018 4:12

Tgt Ion:252 Resp: 63449

Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.0	25.6#
125	21.2	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 7.091 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.04 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampleId :

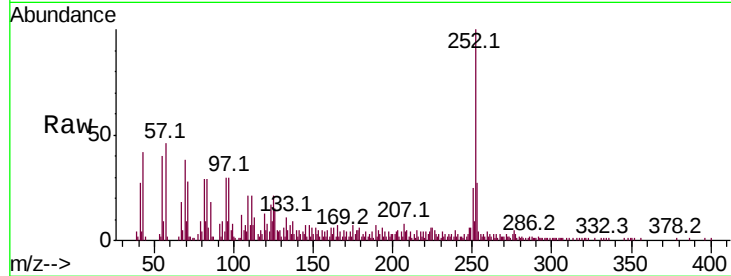
Tot Ion:252 Resp: 63449

Ion Ratio Lower Upper

252 100

253 27.4 17.9 26.9#

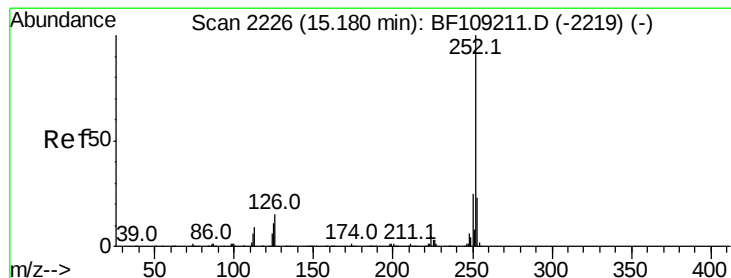
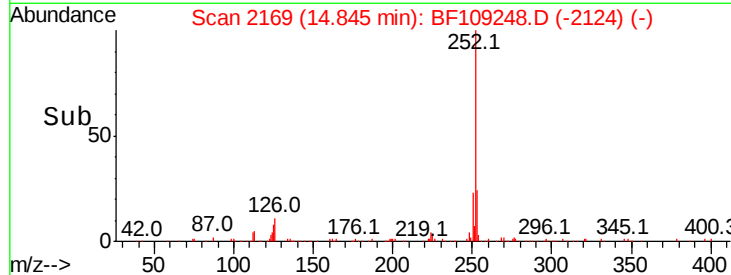
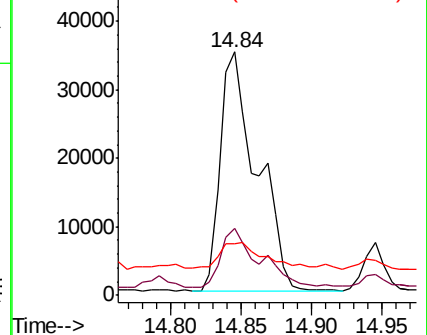
125 21.2 10.2 15.2#



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: 4.124 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

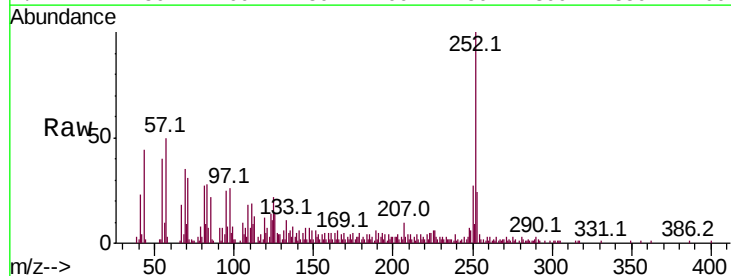
Tgt Ion:252 Resp: 35038

Ion Ratio Lower Upper

252 100

253 24.3 17.1 25.7

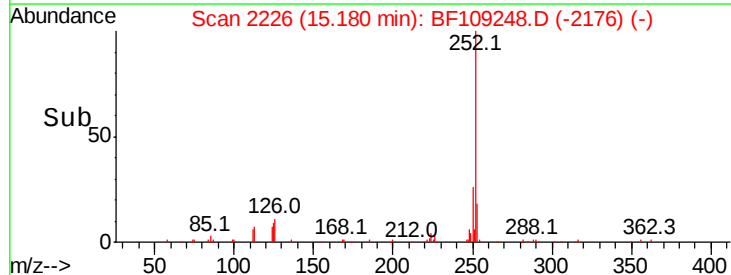
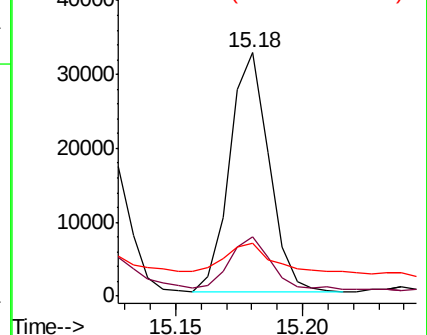
125 21.6 9.8 14.6#

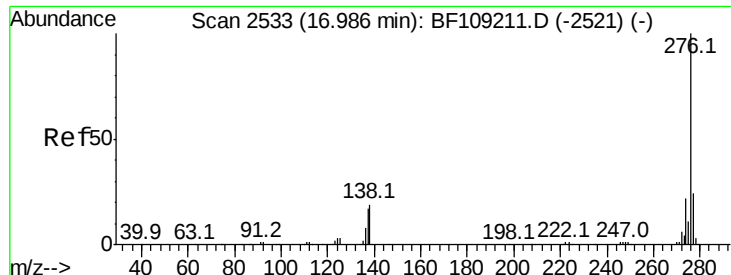


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 2.154 ng

RT: 16.97 min Scan# 2531

Delta R.T. -0.02 min

Lab File: BF109248.D

Acq: 23 Sep 2018 4:12

Instrument :

BNA_F

ClientSampleId :

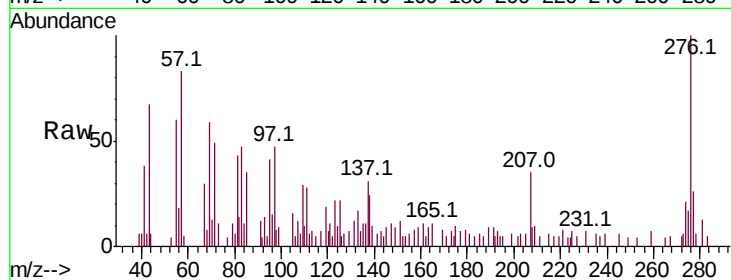
Tot Ion:276 Resp: 14758

Ion Ratio Lower Upper

276 100

277 26.5 17.9 26.9

138 24.2 21.8 32.8



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

