

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092618\
 Data File : BF109337.D
 Acq On : 26 Sep 2018 15:35
 Operator : JU/SJ
 Sample : J5056-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 16:12:34 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

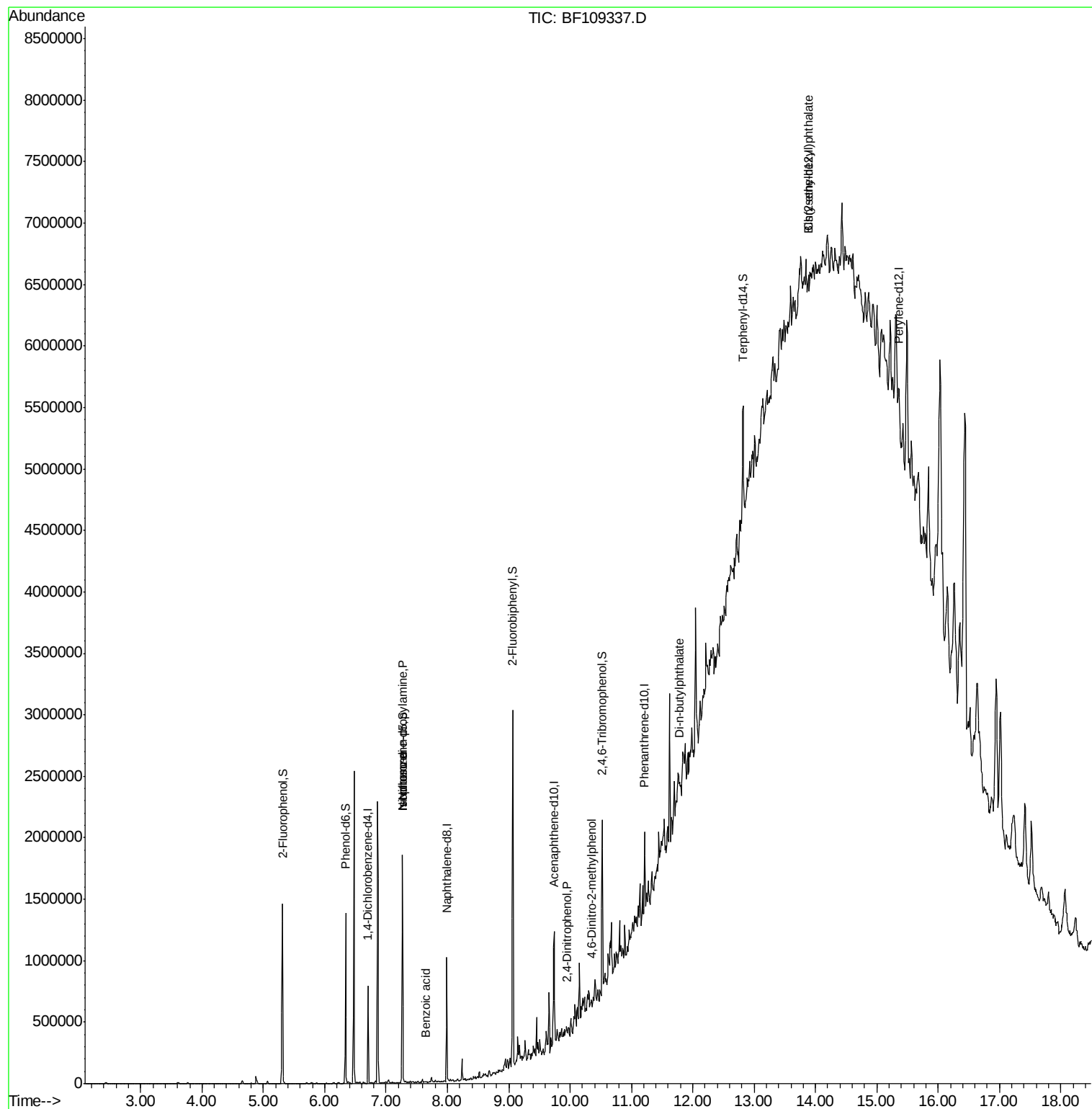
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	107952	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	397559	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	163011	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	253265	20.00	ng	0.00
75) Chrysene-d12	13.89	240	137448	20.00	ng	0.04
86) Perylene-d12	15.34	264	113727	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	418591	63.87	ng	0.00
7) Phenol-d6	6.34	99	393576	47.06	ng	-0.02
23) Nitrobenzene-d5	7.27	82	548492	81.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	175487	109.21	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	930585	86.10	ng	0.00
78) Terphenyl-d14	12.82	244	598790	106.92	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	75756	13.824	ng	# 77
25) Isophorone	7.27	82	529940	43.698	ng	# 64
32) Benzoic acid	7.65	122	684	6.960	ng	# 35
53) 2,4-Dinitrophenol	9.94	184	143	8.655	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.36	198	324	6.796	ng	# 1
73) Di-n-butylphthalate	11.79	149	57759	3.932	ng	# 80
83) Bis(2-ethylhexyl)phthalate	13.87	149	15756	2.981	ng	# 42

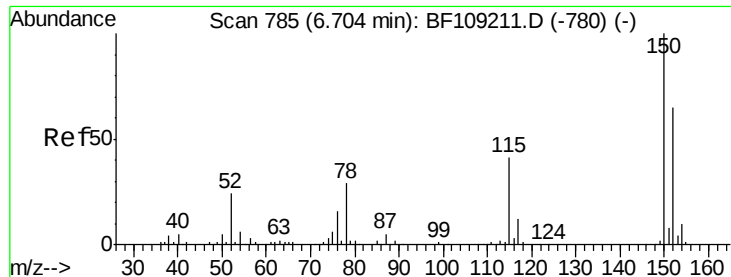
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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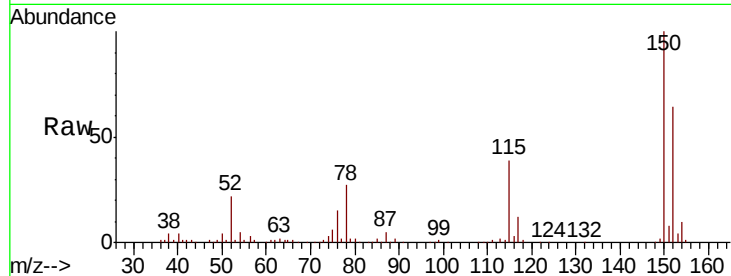


#1

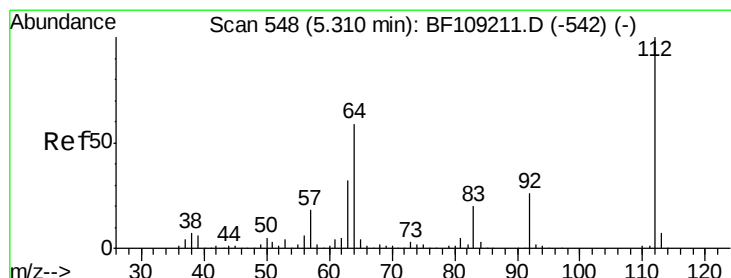
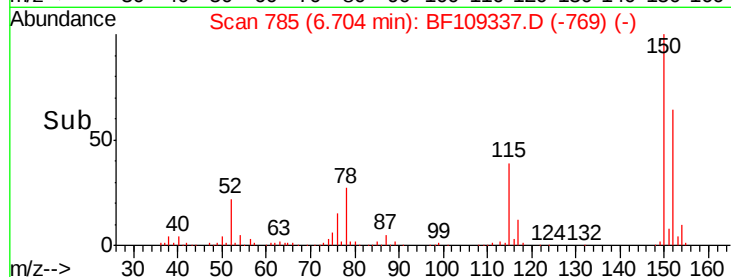
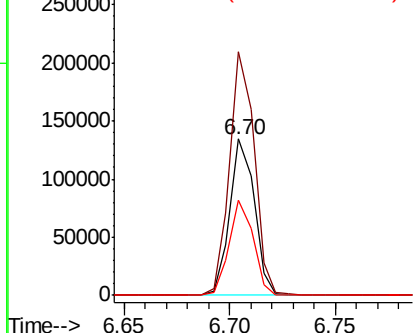
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109337.D
Acq: 26 Sep 2018 15:35

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 107952
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 61.3 50.1 75.1



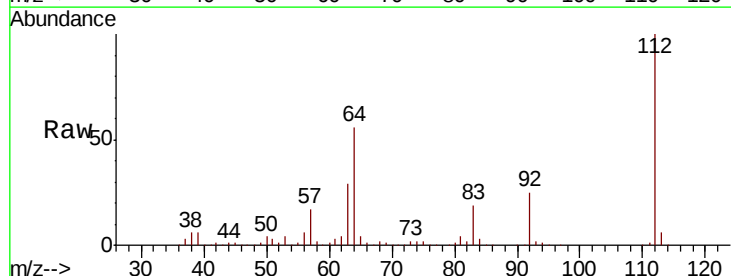
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



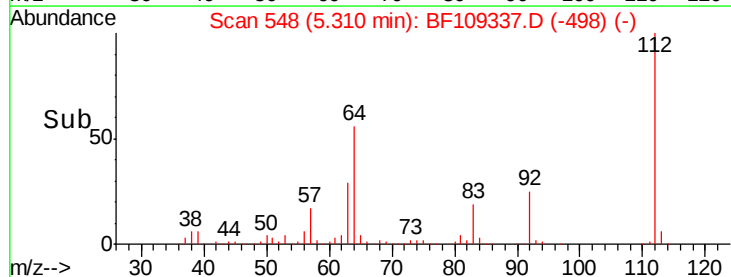
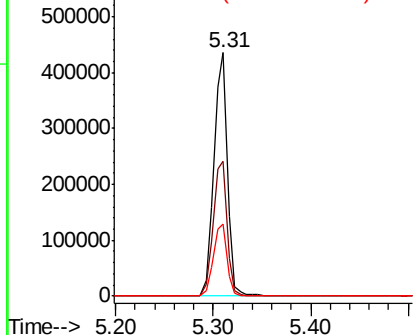
#5

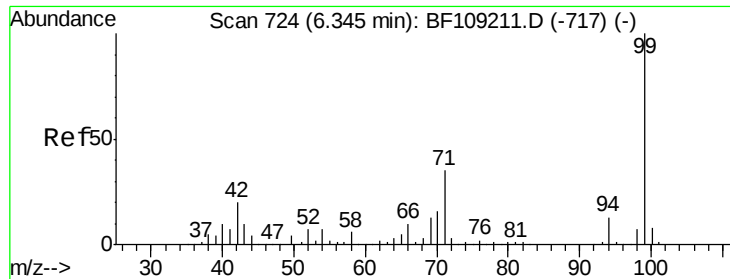
2-Fluorophenol
Concen: 63.866 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109337.D
Acq: 26 Sep 2018 15:35

Tgt Ion:112 Resp: 418591
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 29.4 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: 47.060 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

Instrument :

BNA_F

ClientSampled :

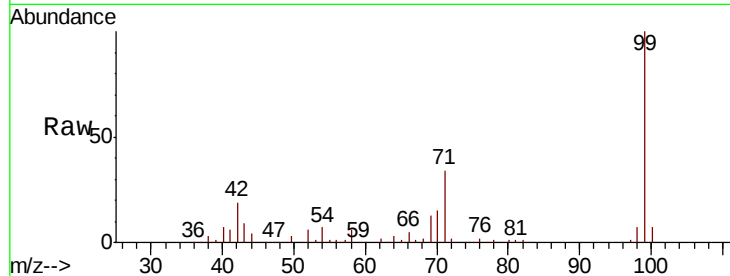
Tot Ion: 99 Resp: 393576

Ion Ratio Lower Upper

99 100

42 18.6 14.5 21.7

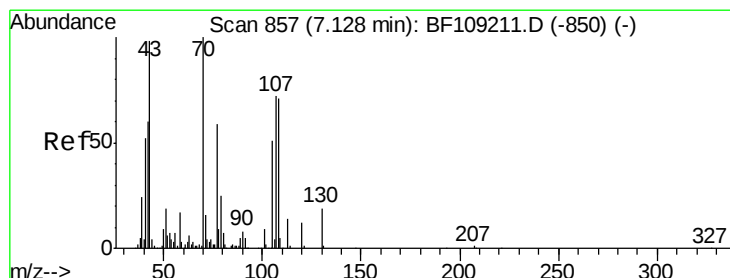
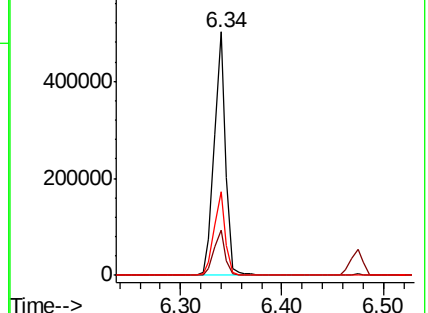
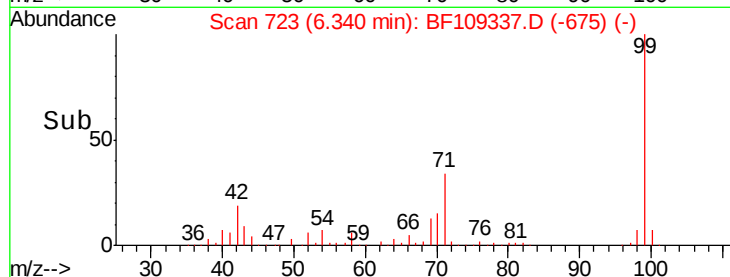
71 34.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.824 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.12 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

Tgt Ion: 70 Resp: 75756

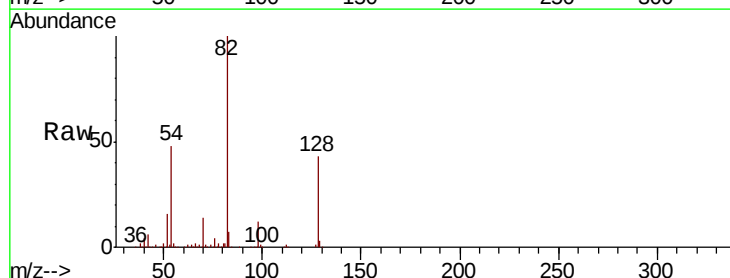
Ion Ratio Lower Upper

70 100

42 47.1 47.5 71.3#

101 0.0 7.4 11.2#

130 1.8 16.6 25.0#

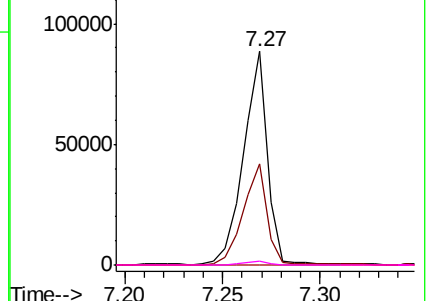
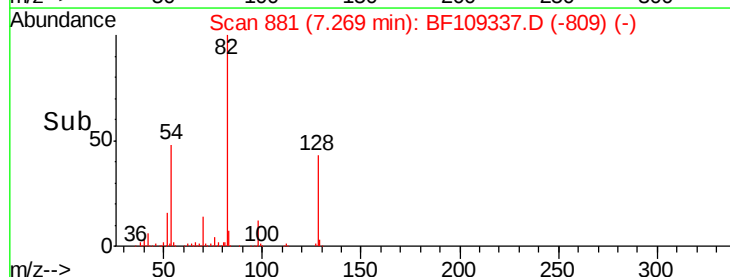


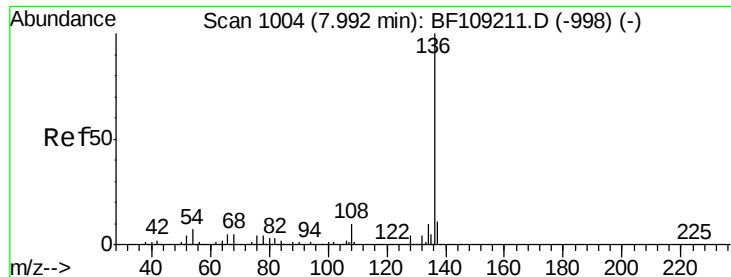
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF109337.D

Acq: 26 Sep 2018 15:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 397559

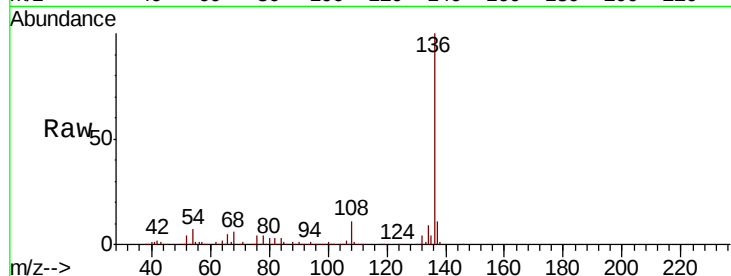
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 7.4 6.6 9.8

68 5.9 5.0 7.4

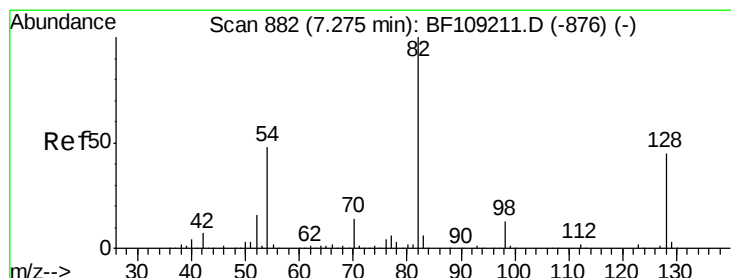
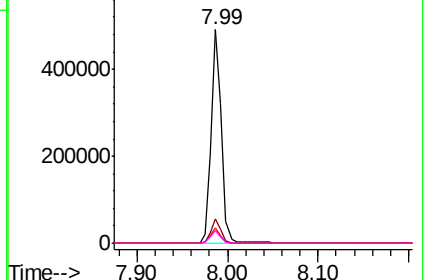
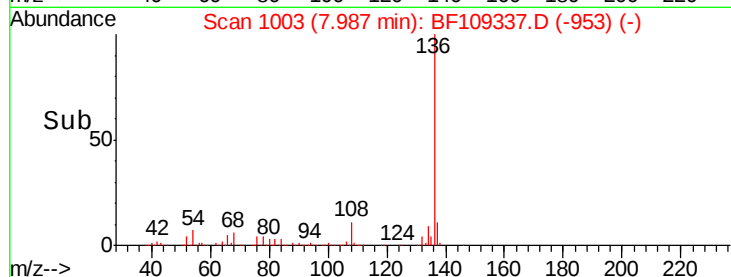


Abundance Ion 136.00 (135.70 to 136.70): E

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: 81.443 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.01 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

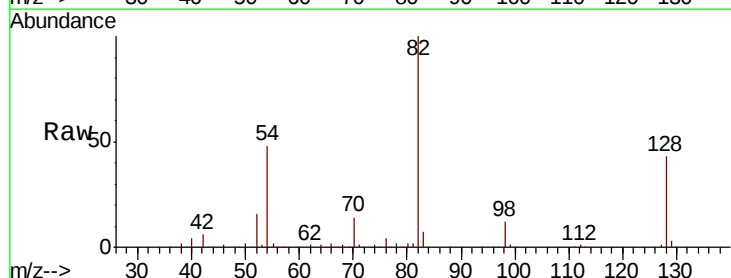
Tgt Ion: 82 Resp: 548492

Ion Ratio Lower Upper

82 100

128 43.5 36.1 54.1

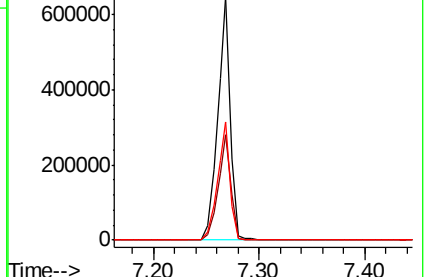
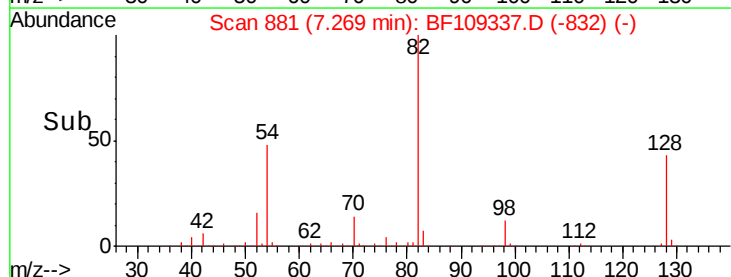
54 48.5 41.4 62.2

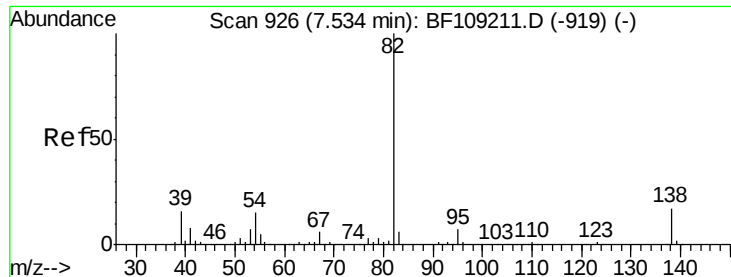


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.698 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.28 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

Instrument :

BNA_F

ClientSampled :

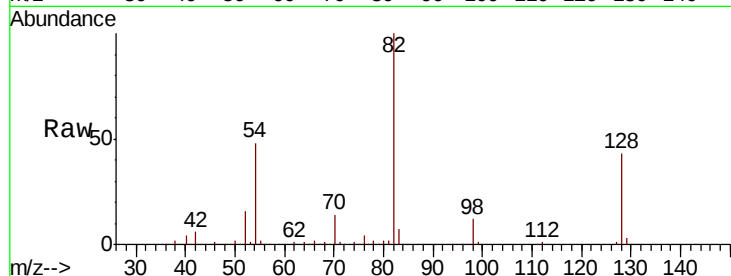
Tot Ion: 82 Resp: 529940

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

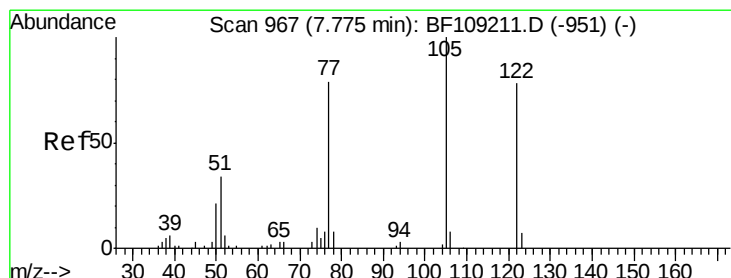
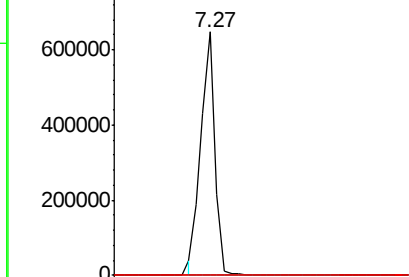
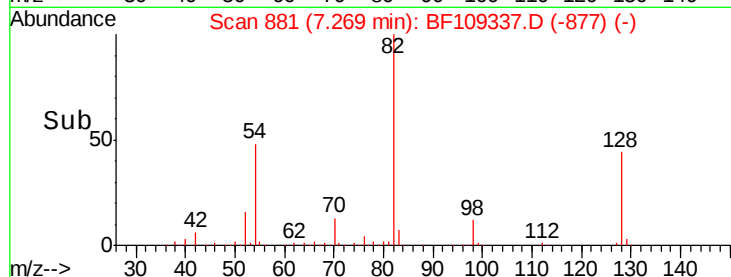
138 0.0 14.9 22.3#



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



#32

Benzoic acid

Concen: 6.960 ng

RT: 7.65 min Scan# 945

Delta R.T. -0.18 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

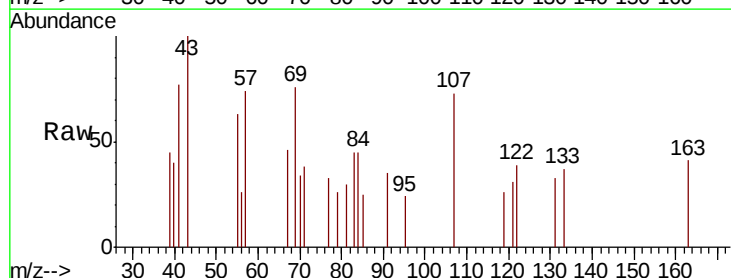
Tgt Ion: 122 Resp: 684

Ion Ratio Lower Upper

122 100

105 0.0 101.1 141.1#

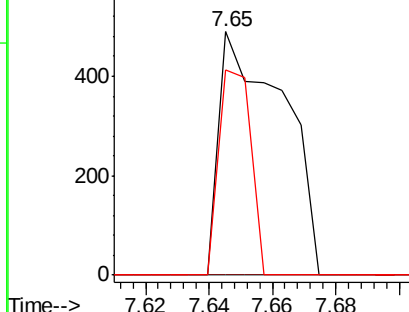
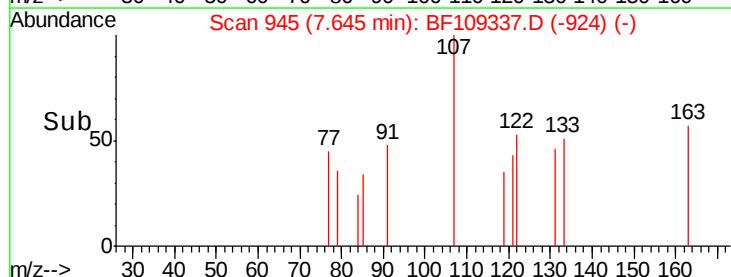
77 84.3 70.7 110.7

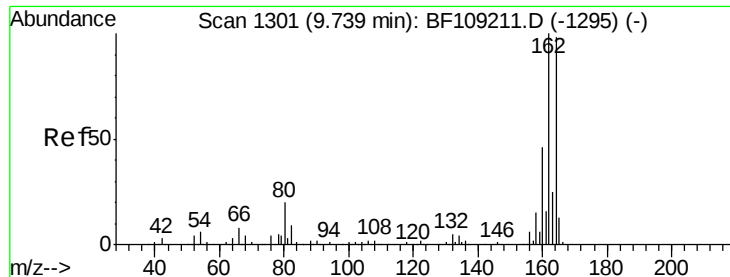


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

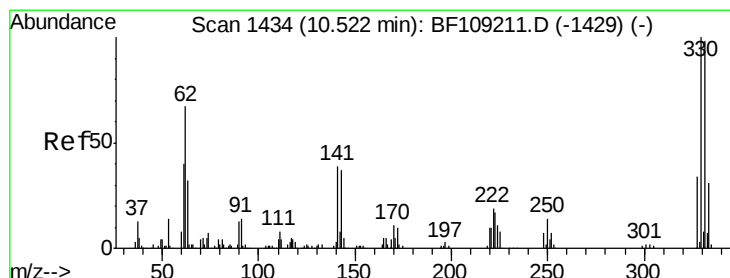
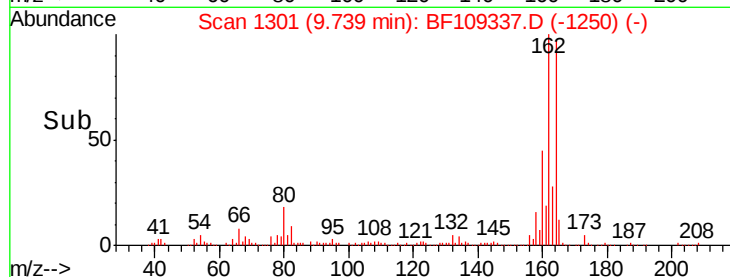
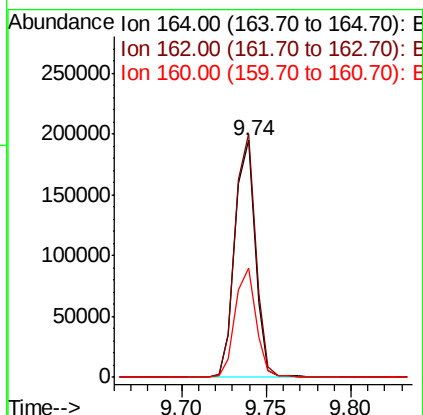
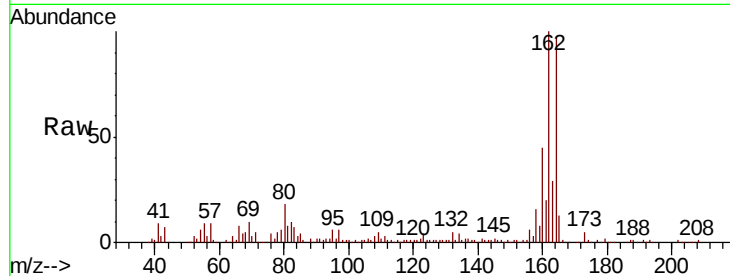




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: BF109337.D
 Acq: 26 Sep 2018 15:35

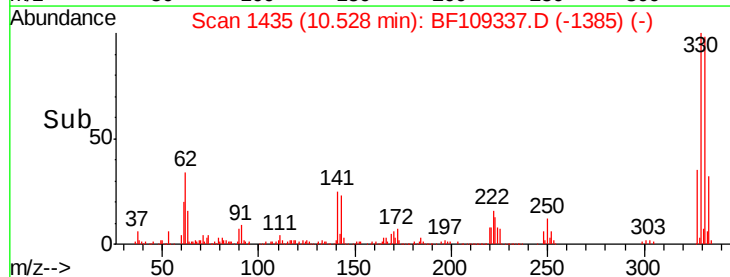
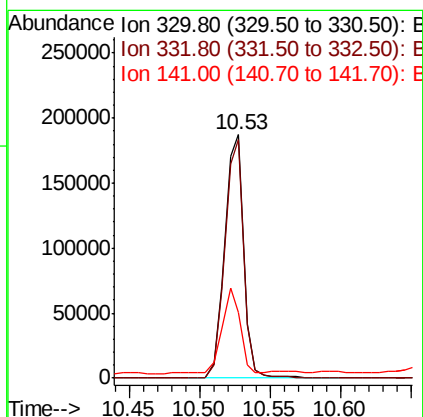
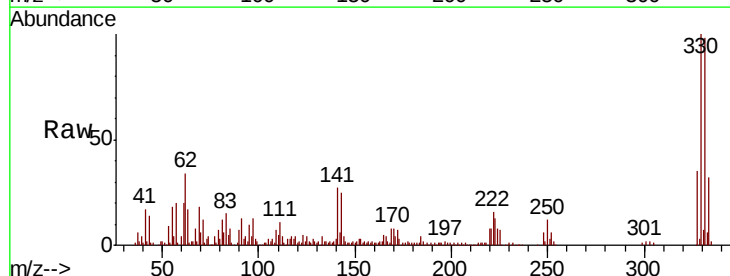
Instrument :
 BNA_F
 ClientSampleId :

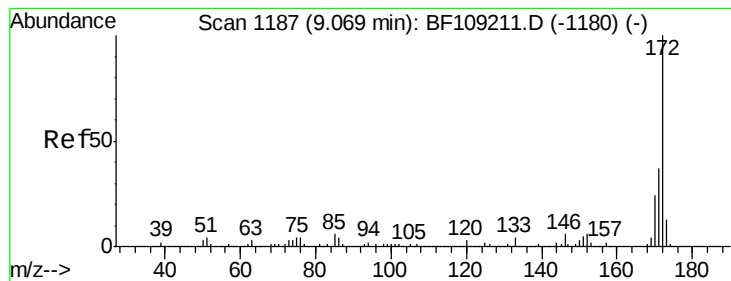
Tot Ion:164 Resp: 163011
 Ion Ratio Lower Upper
 164 100
 162 102.8 86.1 129.1
 160 45.8 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 109.205 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109337.D
 Acq: 26 Sep 2018 15:35

Tgt Ion:330 Resp: 175487
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.0 115.6
 141 34.4 29.9 44.9





#44

2-Fluorobiphenyl

Concen: 86.099 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.01 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

Instrument :

BNA_F

ClientSampled :

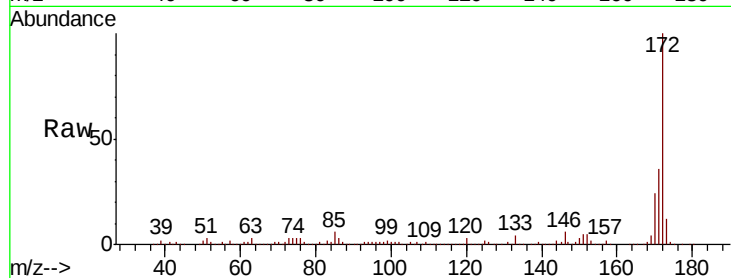
Tot Ion:172 Resp: 930585

Ion Ratio Lower Upper

172 100

171 35.5 29.7 44.5

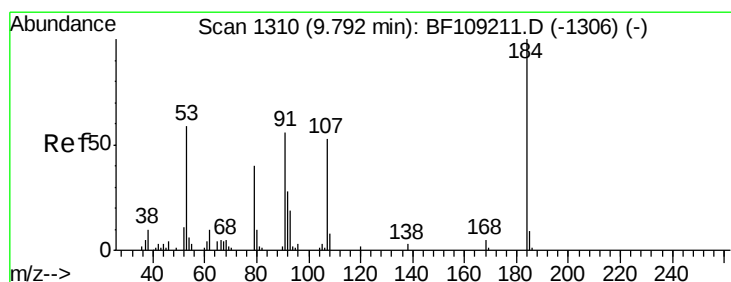
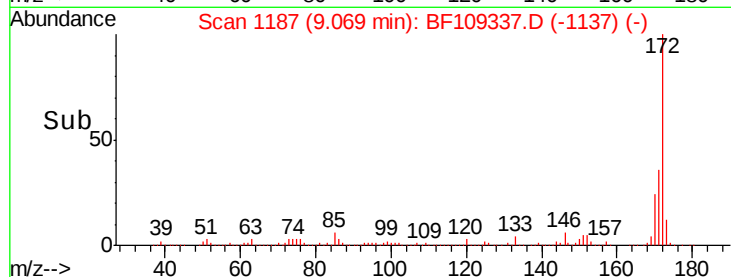
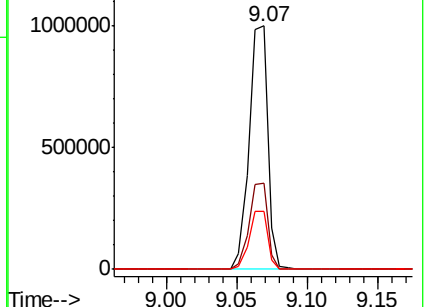
170 24.0 19.6 29.4



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



#53

2,4-Dinitrophenol

Concen: 8.655 ng

RT: 9.94 min Scan# 1335

Delta R.T. 0.14 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

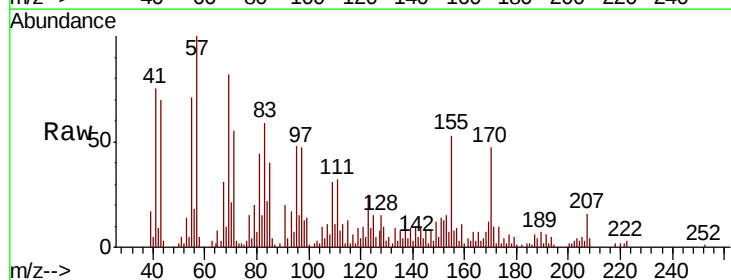
Tgt Ion:184 Resp: 143

Ion Ratio Lower Upper

184 100

63 202.0 54.2 81.2#

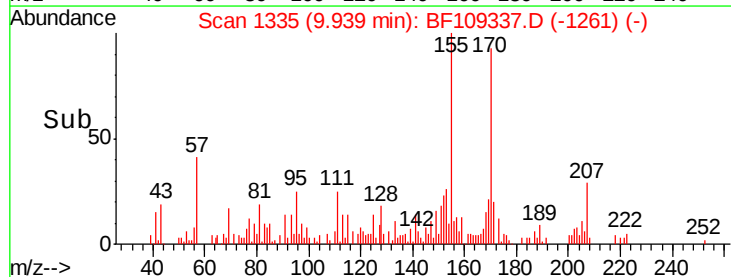
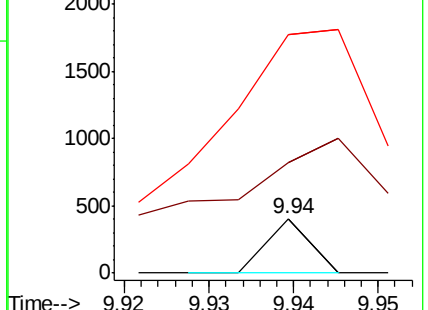
154 436.2 184.0 276.0#

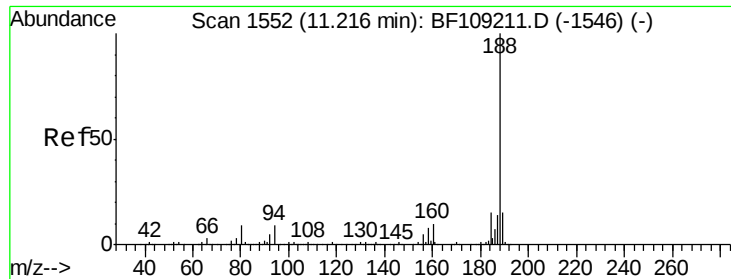


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

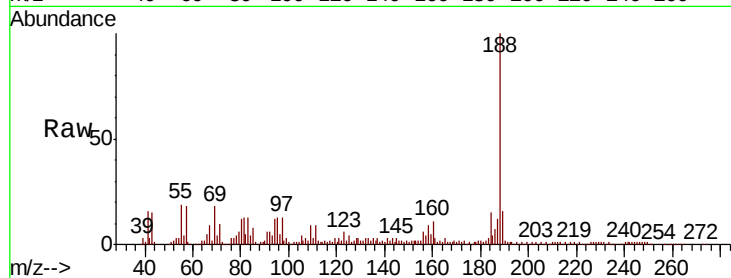




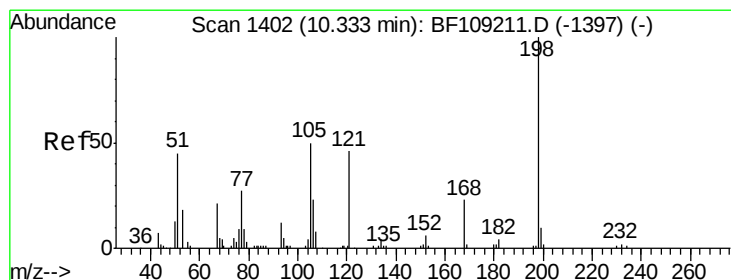
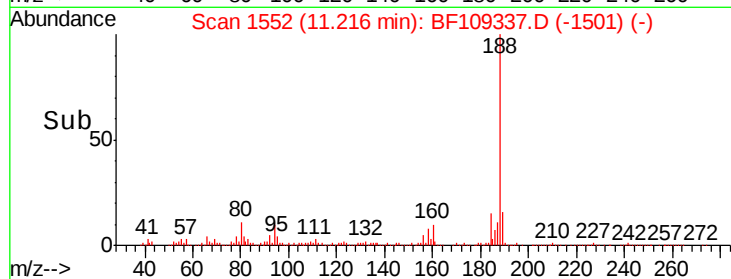
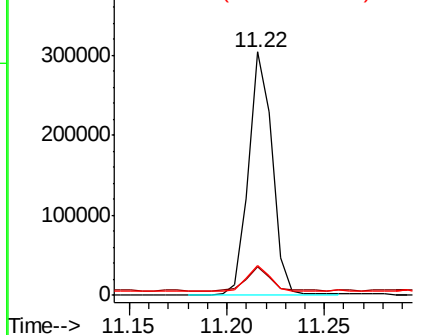
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.00 min
Lab File: BF109337.D
Acq: 26 Sep 2018 15:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 253265
Ion Ratio Lower Upper
188 100
94 11.8 8.5 12.7
80 12.1 9.2 13.8

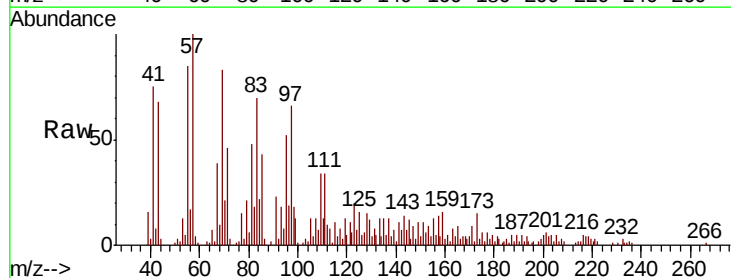


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

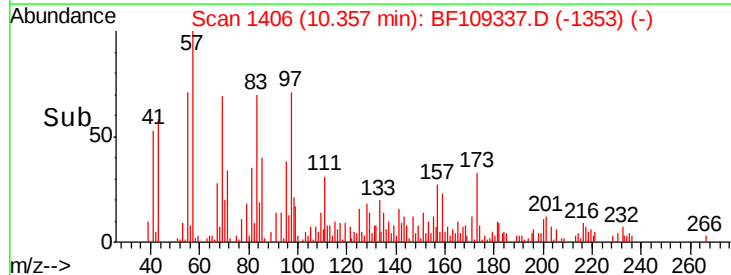
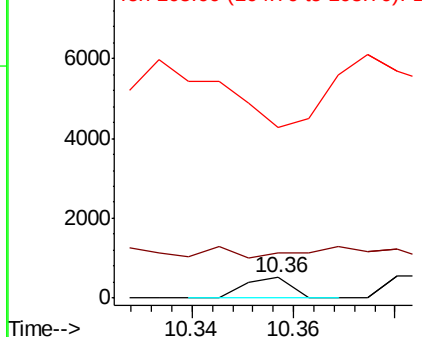


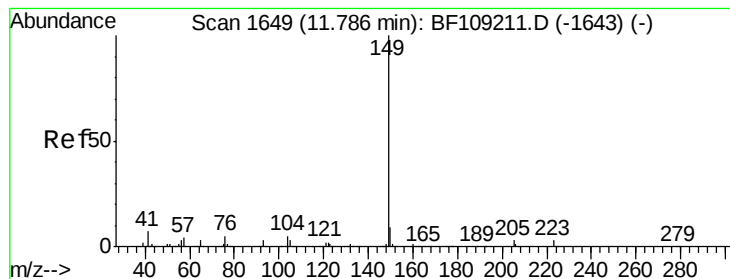
#64
4,6-Dinitro-2-methylphenol
Concen: 6.796 ng
RT: 10.36 min Scan# 1406
Delta R.T. 0.01 min
Lab File: BF109337.D
Acq: 26 Sep 2018 15:35

Tgt Ion:198 Resp: 324
Ion Ratio Lower Upper
198 100
51 218.1 37.7 77.7#
105 823.5 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





#73

Di-n-butylphthalate

Concen: 3.932 ng

RT: 11.79 min Scan# 1650

Delta R.T. 0.01 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

Instrument :

BNA_F

ClientSampleId :

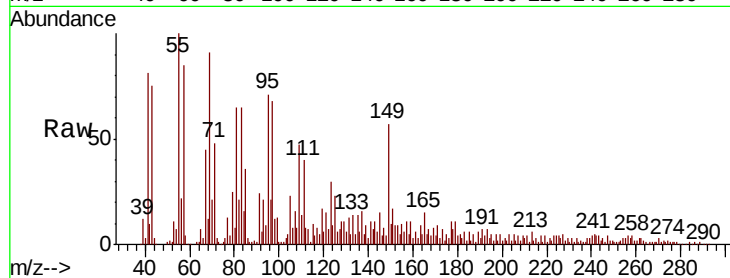
Tot Ion:149 Resp: 57759

Ion Ratio Lower Upper

149 100

150 18.3 7.8 11.6#

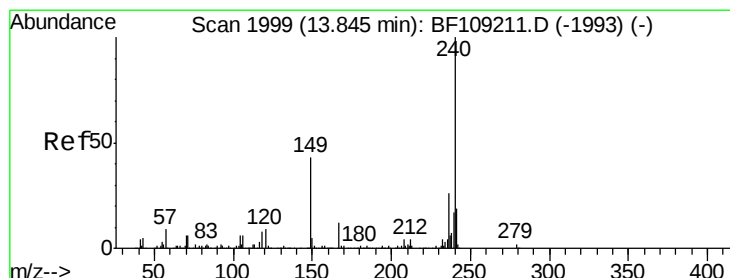
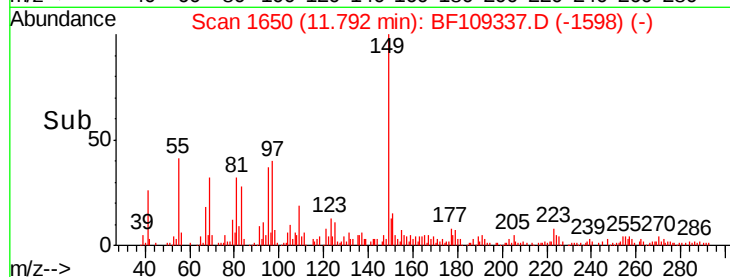
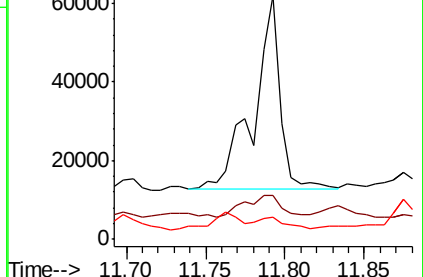
104 9.1 3.8 5.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.04 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

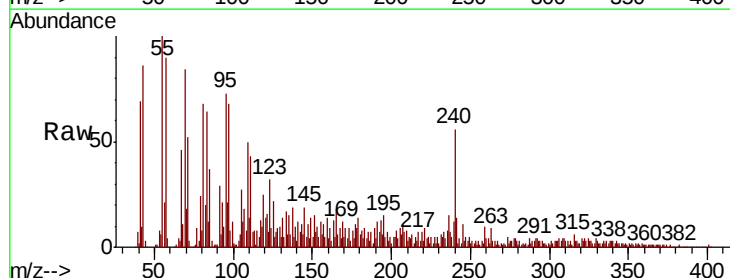
Tgt Ion:240 Resp: 137448

Ion Ratio Lower Upper

240 100

120 24.4 9.5 14.3#

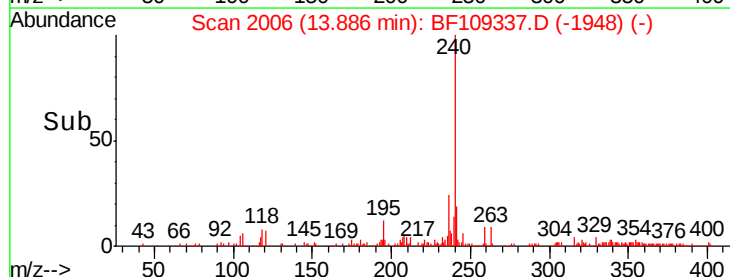
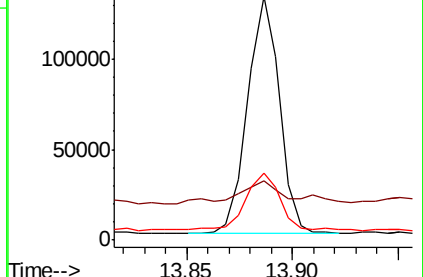
236 27.5 20.7 31.1

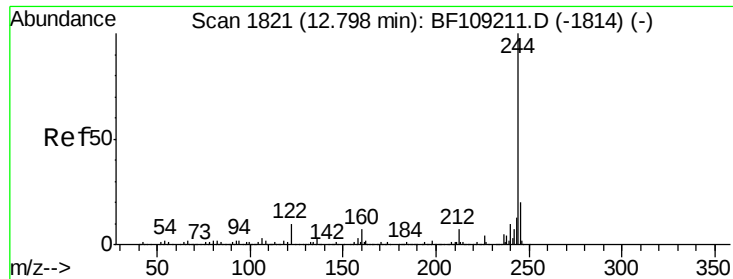


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 106.915 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.01 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

Instrument :

BNA_F

ClientSampleId :

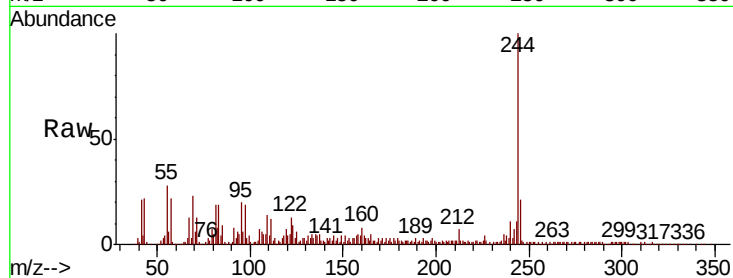
Tot Ion:244 Resp: 598790

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

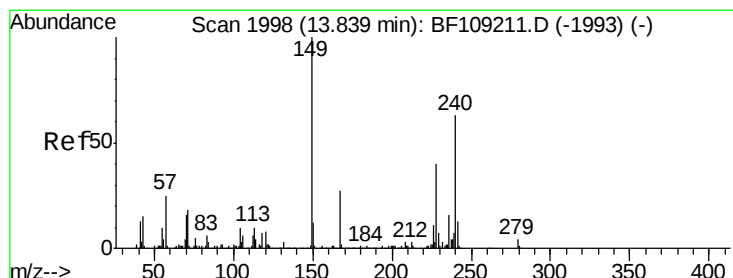
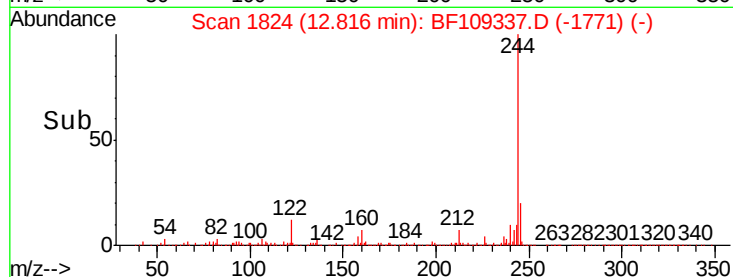
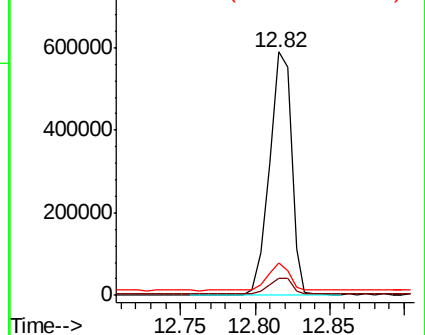
122 13.2 11.0 16.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.981 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.04 min

Lab File: BF109337.D

Acq: 26 Sep 2018 15:35

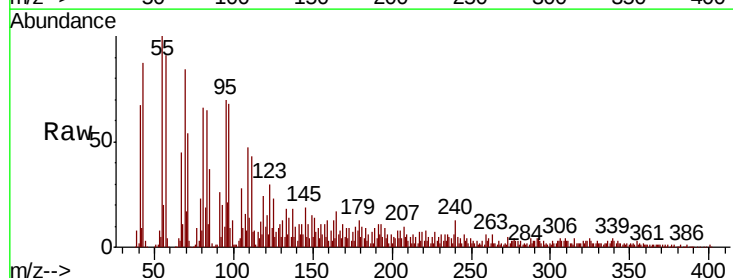
Tgt Ion:149 Resp: 15756

Ion Ratio Lower Upper

149 100

167 56.7 21.3 31.9#

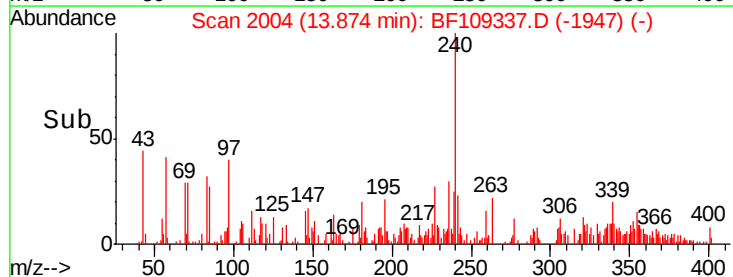
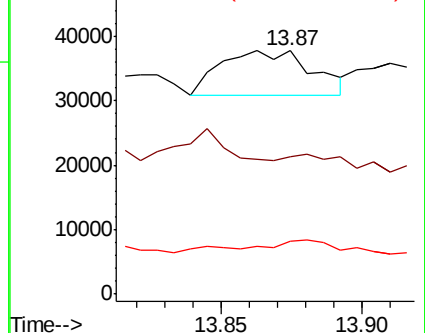
279 21.7 3.0 4.4#

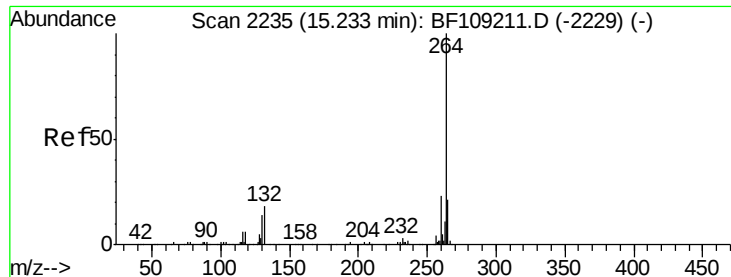


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

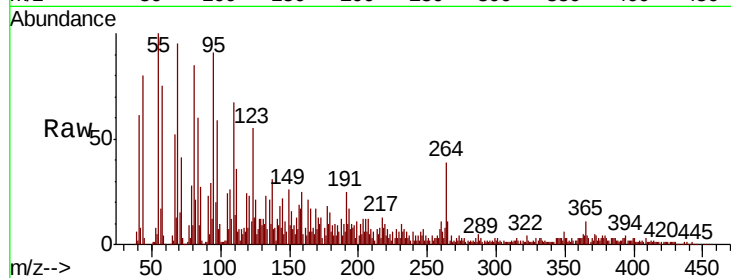




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2254
 Delta R.T. 0.11 min
 Lab File: BF109337.D
 Acq: 26 Sep 2018 15:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	29.4	19.2	28.8
265	28.8	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

