

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092518\
 Data File : BF109296.D
 Acq On : 25 Sep 2018 19:56
 Operator : JU/SJ
 Sample : J5070-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 02:27:14 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	121085	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	456758	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	217327	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	384451	20.00	ng	0.00
75) Chrysene-d12	13.84	240	281270	20.00	ng	0.00
86) Perylene-d12	15.25	264	237739	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	727521	98.96	ng	0.01
7) Phenol-d6	6.35	99	847980	90.40	ng	0.00
23) Nitrobenzene-d5	7.27	82	647466	83.68	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	256613	119.78	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	1204344	83.58	ng	0.00
78) Terphenyl-d14	12.80	244	1072589	93.59	ng	0.00

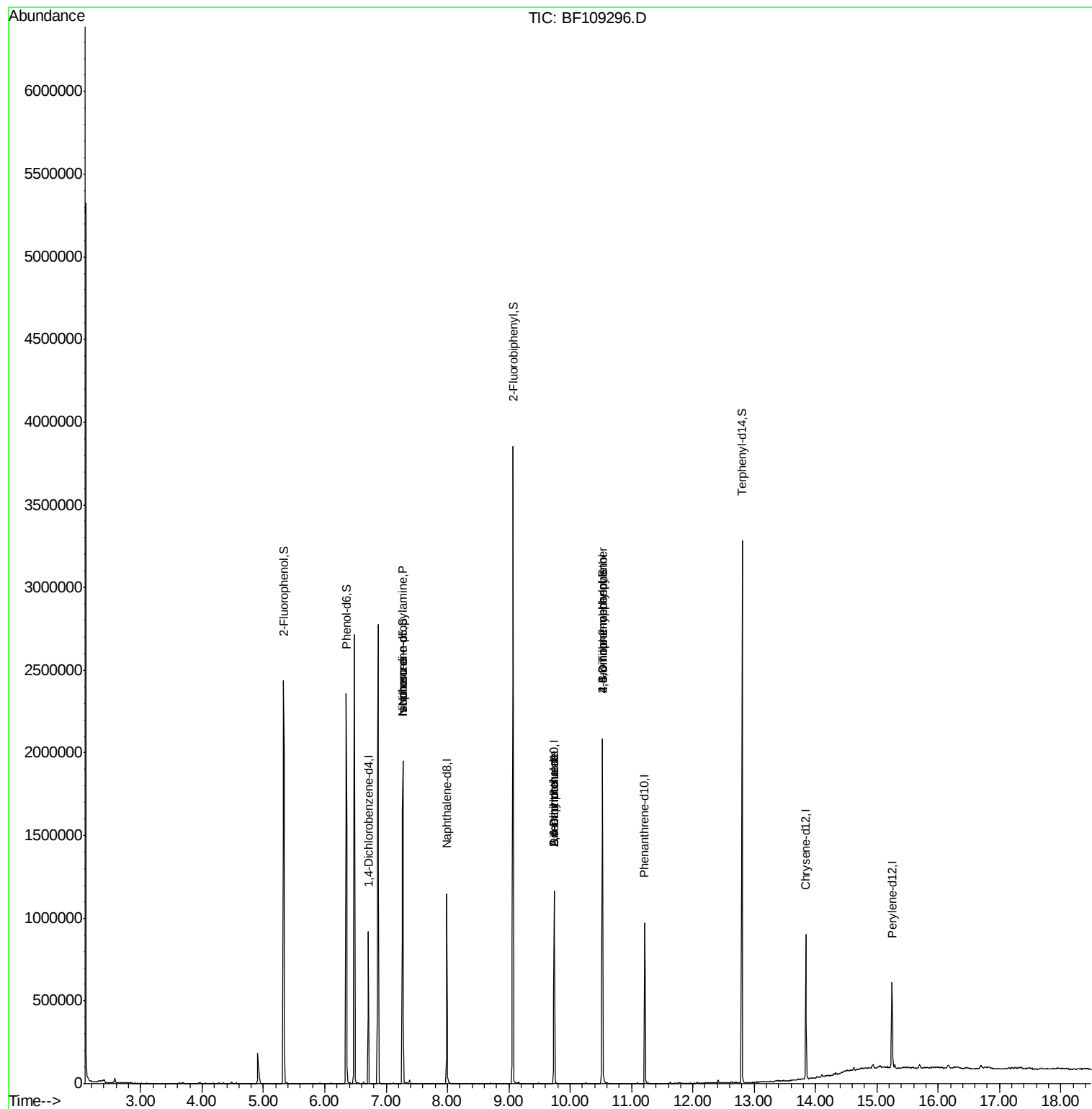
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.27	70	87621	14.255	ng	# 78
25) Isophorone	7.27	82	603636	43.323	ng	# 64
49) Dimethylphthalate	9.75	163	64102	4.055	ng	# 1
50) 2,6-Dinitrotoluene	9.74	165	27552	8.801	ng	# 25
56) 2,4-Dinitrotoluene	9.74	165	27552	6.956	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.53	198	374	6.730	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	15380	3.603	ng	# 1

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

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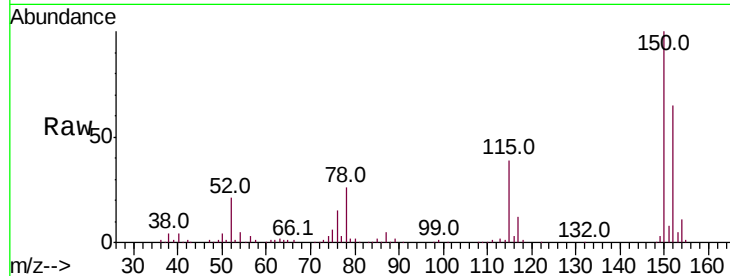


#1

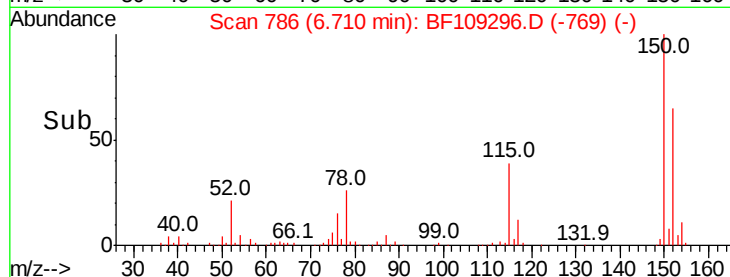
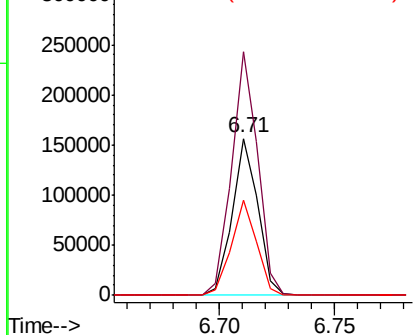
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.00 min
Lab File: BF109296.D
Acq: 25 Sep 2018 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 121085
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 60.9 50.1 75.1



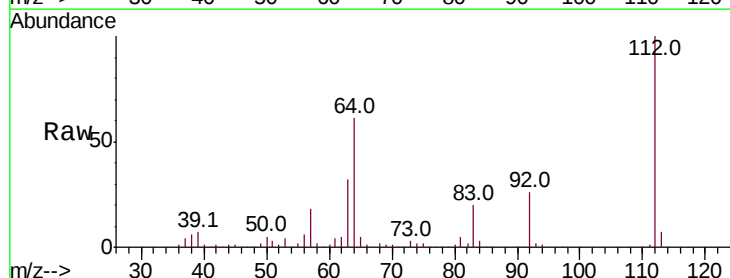
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



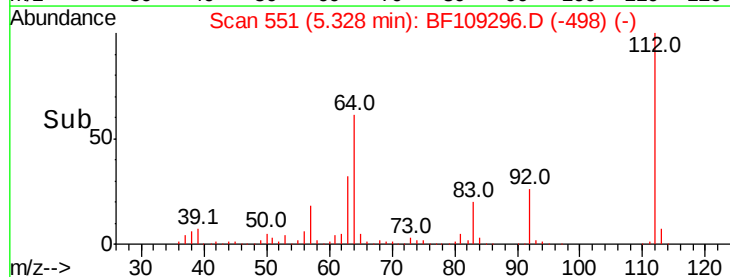
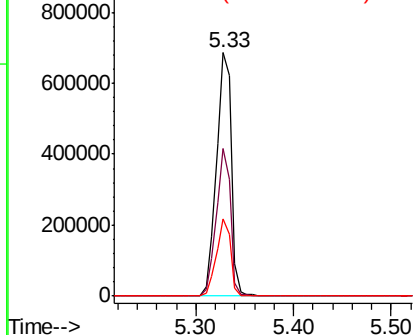
#5

2-Fluorophenol
Concen: 98.962 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109296.D
Acq: 25 Sep 2018 19:56

Tgt Ion:112 Resp: 727521
Ion Ratio Lower Upper
112 100
64 60.7 47.9 71.9
63 32.0 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: 90.395 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

Instrument :

BNA_F

ClientSampleId :

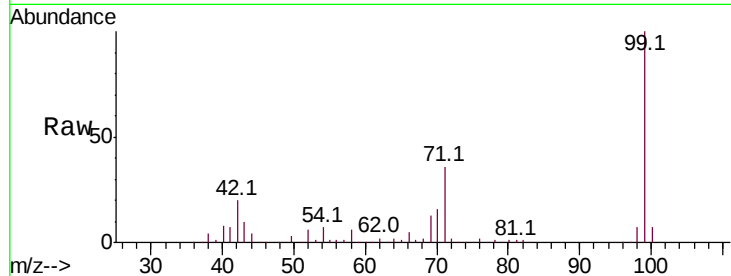
Tot Ion: 99 Resp: 847980

Ion Ratio Lower Upper

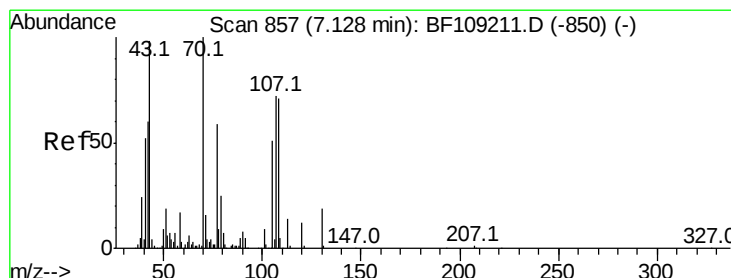
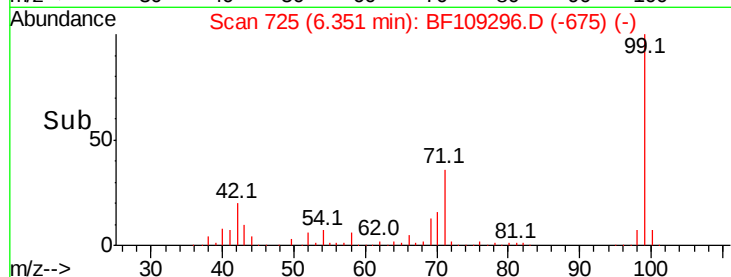
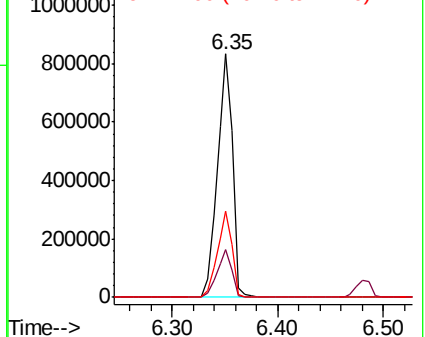
99 100

42 19.7 14.5 21.7

71 35.5 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: 14.255 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.13 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

Tgt Ion: 70 Resp: 87621

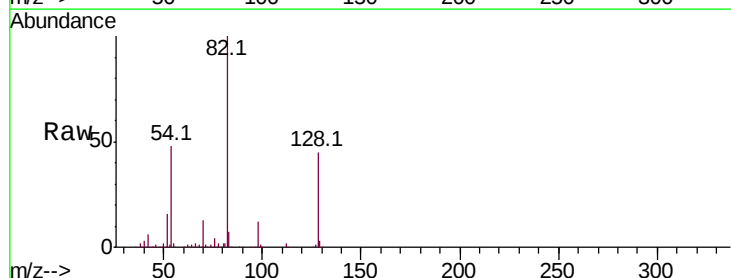
Ion Ratio Lower Upper

70 100

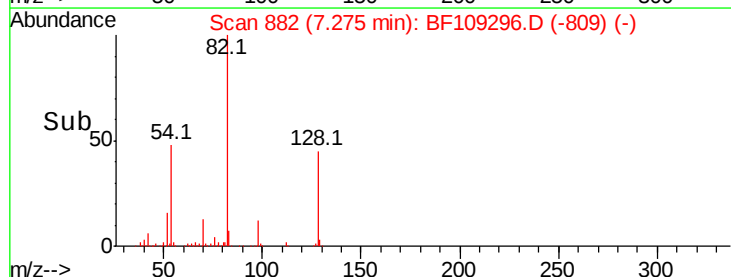
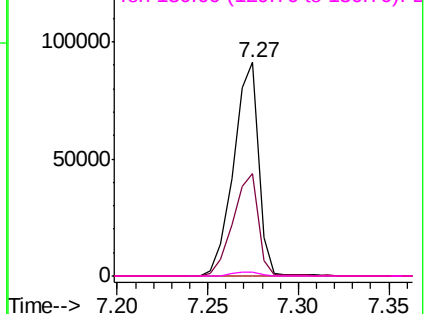
42 47.8 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 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# 1004

Delta R.T. 0.00 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 456758

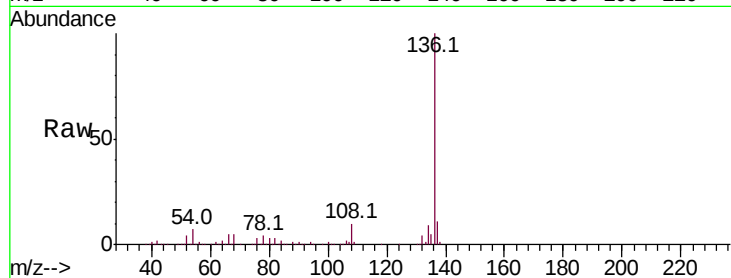
Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.7 6.6 9.8

68 5.4 5.0 7.4

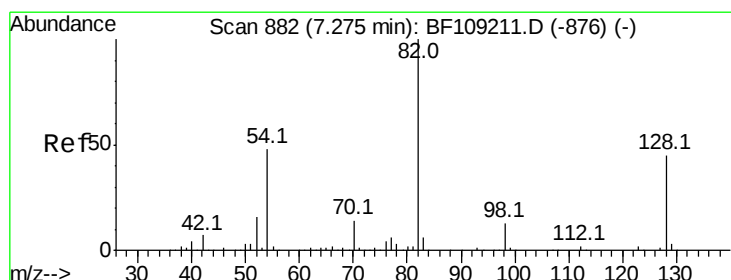
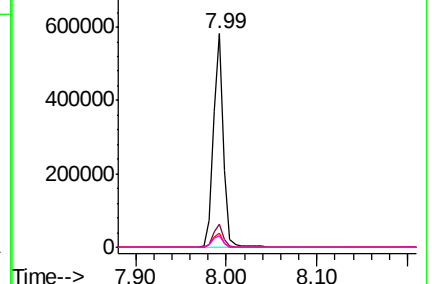
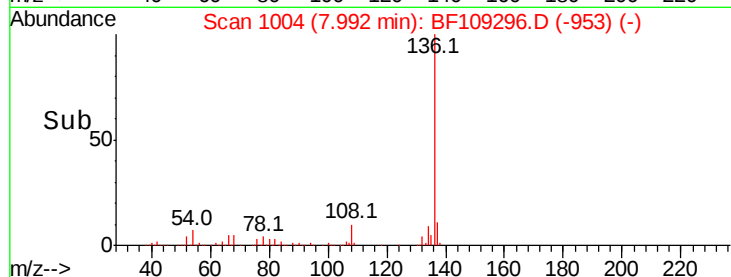


Abundance Ion 136.00 (135.70 to 136.70): E

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: 83.679 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.01 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

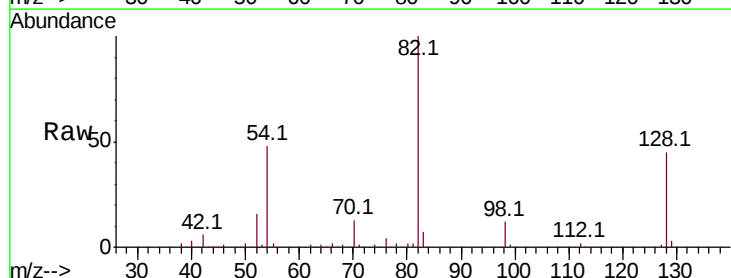
Tgt Ion: 82 Resp: 647466

Ion Ratio Lower Upper

82 100

128 45.2 36.1 54.1

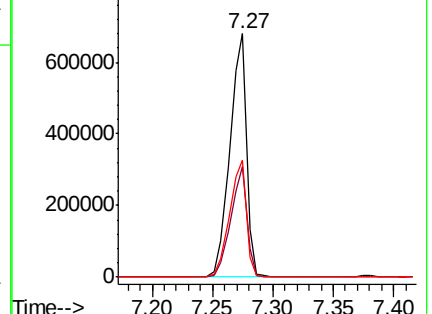
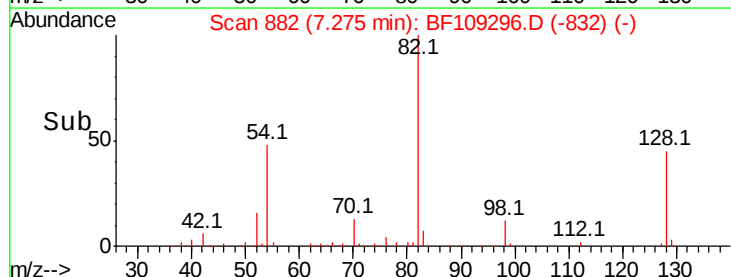
54 47.8 41.4 62.2

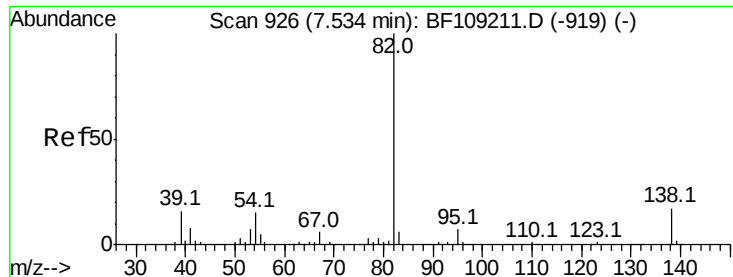


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 43.323 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

Instrument :

BNA_F

ClientSampled :

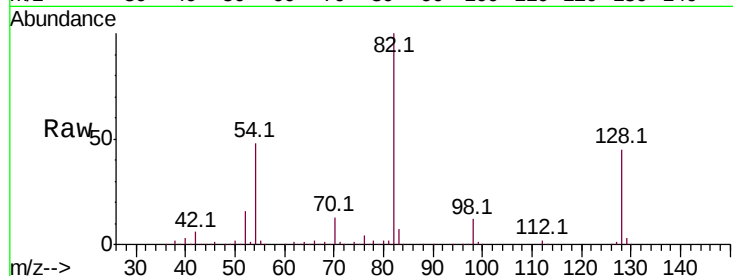
Tot Ion: 82 Resp: 603636

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

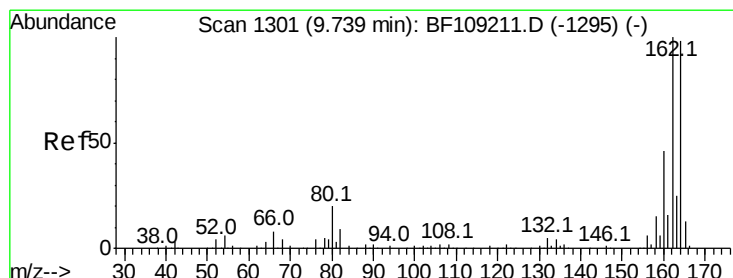
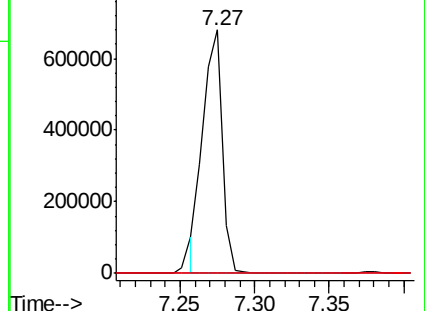
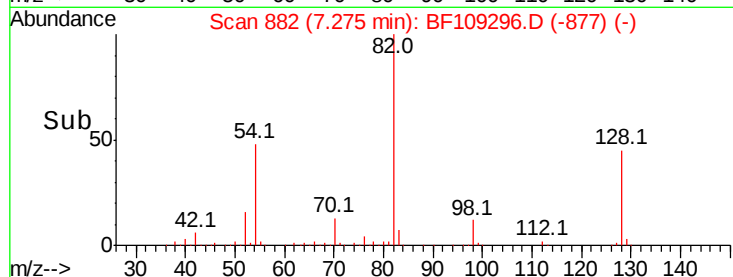
138 0.0 14.9 22.3#



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: BF109296.D

Acq: 25 Sep 2018 19:56

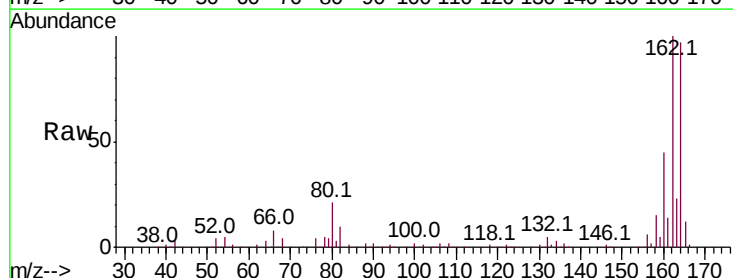
Tgt Ion:164 Resp: 217327

Ion Ratio Lower Upper

164 100

162 103.1 86.1 129.1

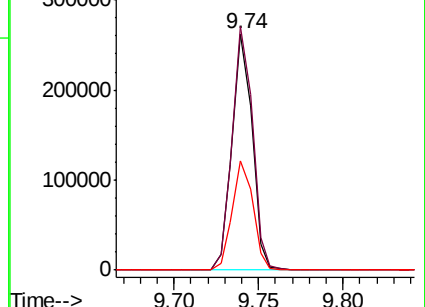
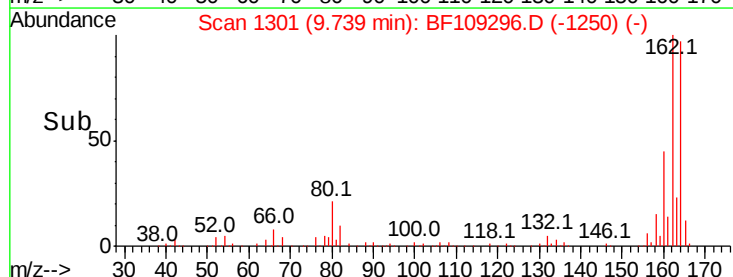
160 46.4 38.3 57.5

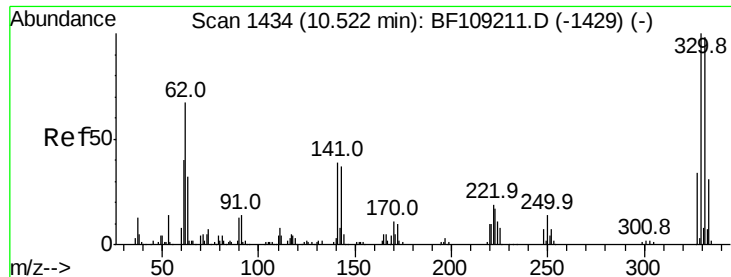


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

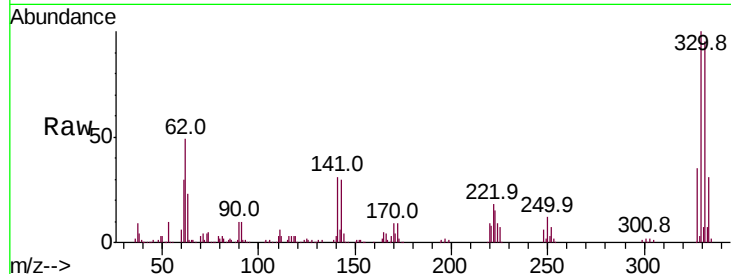




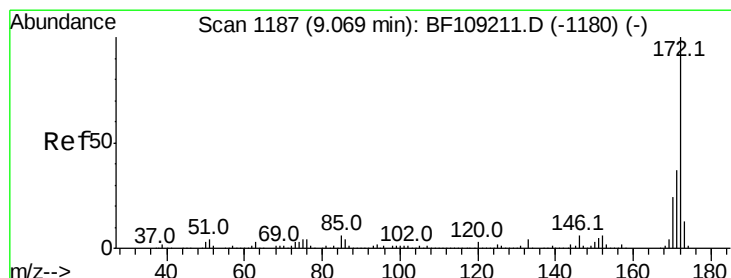
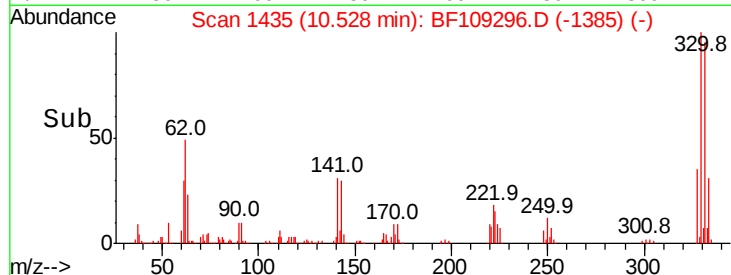
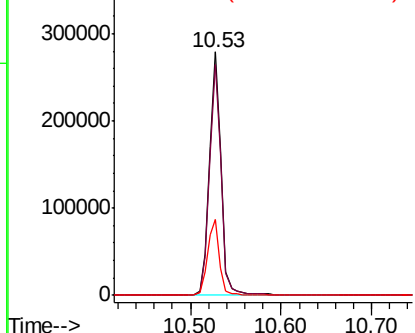
#41
 2,4,6-Tribromophenol
 Concen: 119.779 ng
 RT: 10.53 min Scan# 1435
 Delta R.T. -0.01 min
 Lab File: BF109296.D
 Acq: 25 Sep 2018 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 256613
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 31.6 29.9 44.9

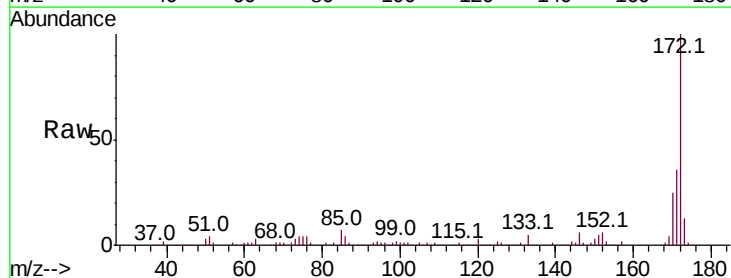


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

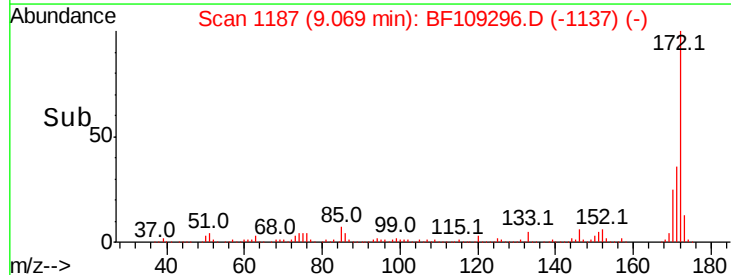
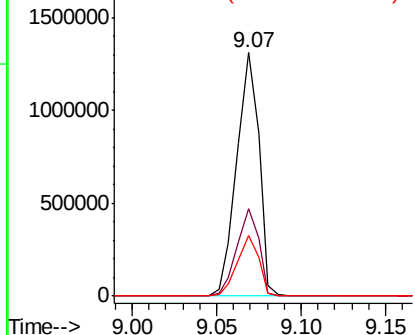


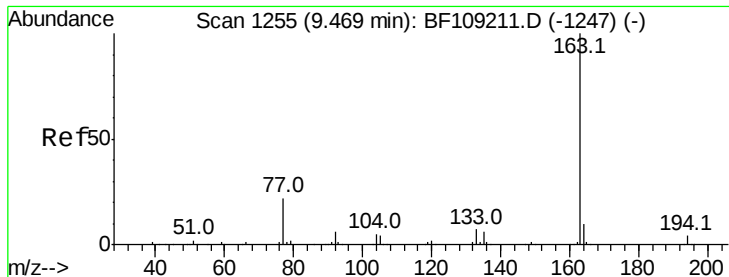
#44
 2-Fluorobiphenyl
 Concen: 83.578 ng
 RT: 9.07 min Scan# 1187
 Delta R.T. -0.01 min
 Lab File: BF109296.D
 Acq: 25 Sep 2018 19:56

Tgt Ion:172 Resp: 1204344
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.7 44.5
 170 24.7 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

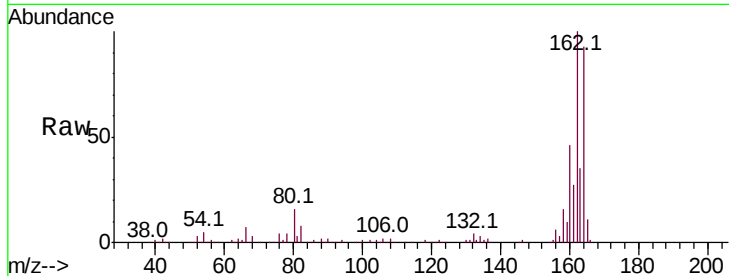




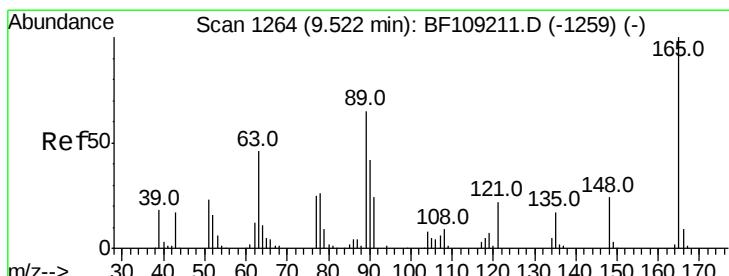
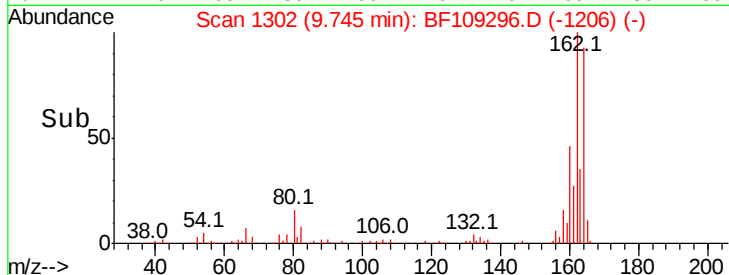
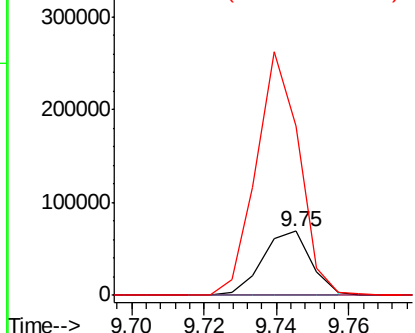
#49
 Dimethylphthalate
 Concen: 4.055 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. 0.26 min
 Lab File: BF109296.D
 Acq: 25 Sep 2018 19:56

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	0.0	2.7	4.1#
164	262.9	8.2	12.2#

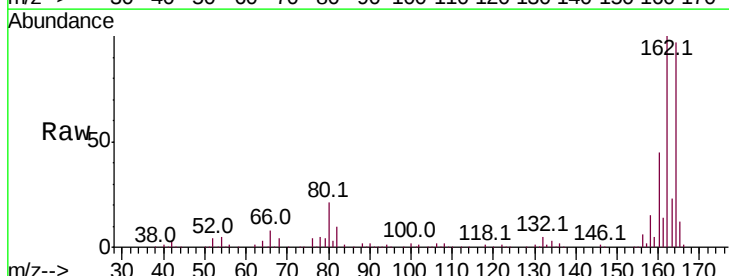


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

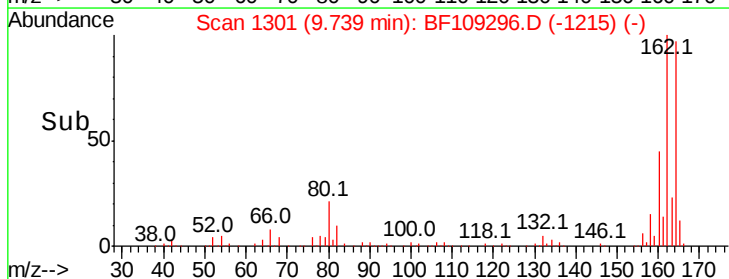
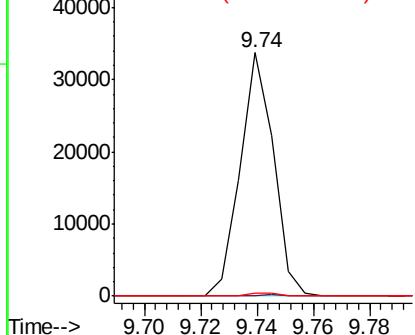


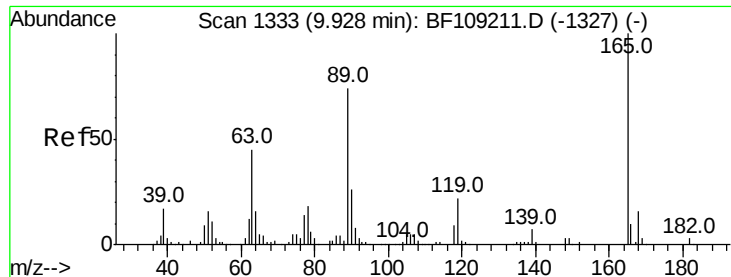
#50
 2,6-Dinitrotoluene
 Concen: 8.801 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. 0.21 min
 Lab File: BF109296.D
 Acq: 25 Sep 2018 19:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.3	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

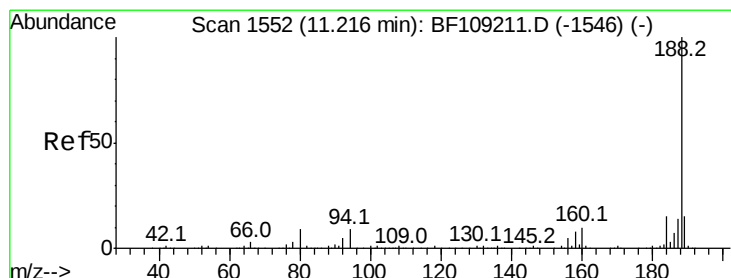
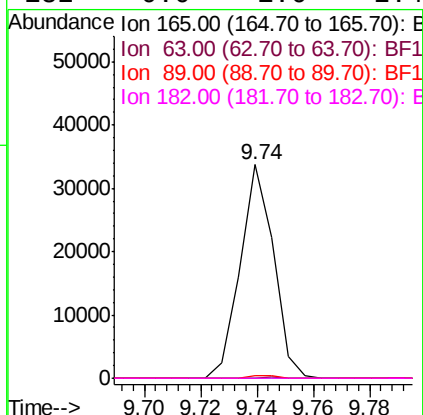
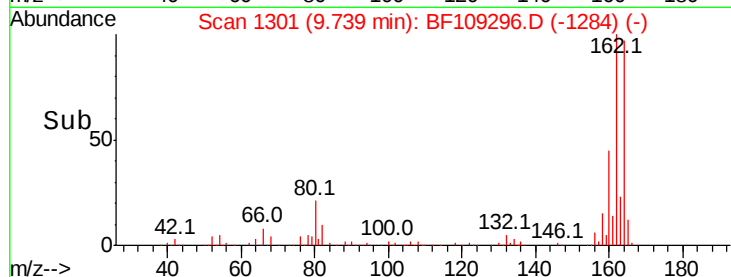
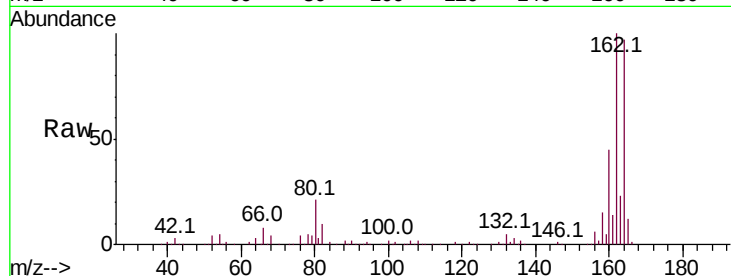




#56
 2,4-Dinitrotoluene
 Concen: 6.956 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.20 min
 Lab File: BF109296.D
 Acq: 25 Sep 2018 19:56

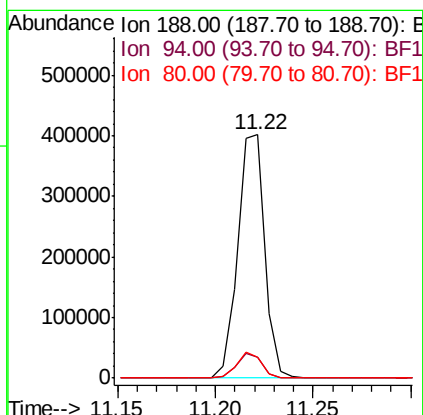
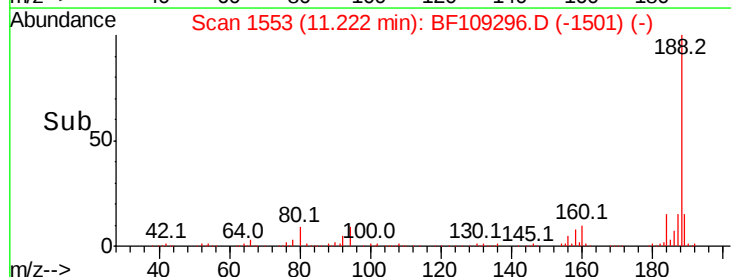
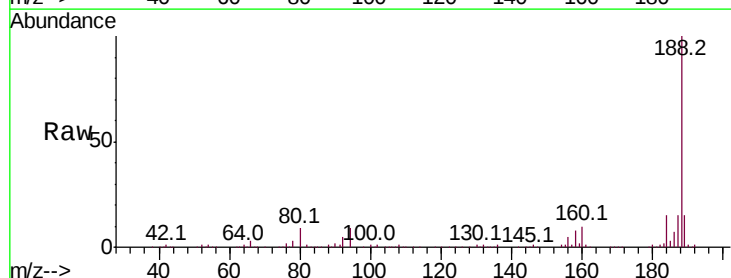
Instrument :
 BNA_F
 ClientSampled :

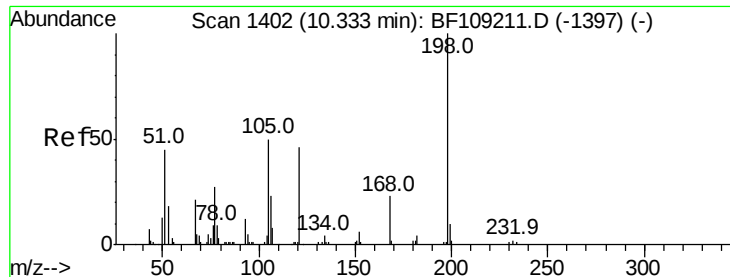
Tot Ion:165	Resp:	27552
Ion Ratio	Lower	Upper
165	100	
63	0.0	36.4 54.6#
89	1.3	57.8 86.6#
182	0.0	1.6 2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. 0.01 min
 Lab File: BF109296.D
 Acq: 25 Sep 2018 19:56

Tgt Ion:188	Resp:	384451
Ion Ratio	Lower	Upper
188	100	
94	8.6	8.5 12.7
80	8.7	9.2 13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 6.730 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.18 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

Instrument :

BNA_F

ClientSampled :

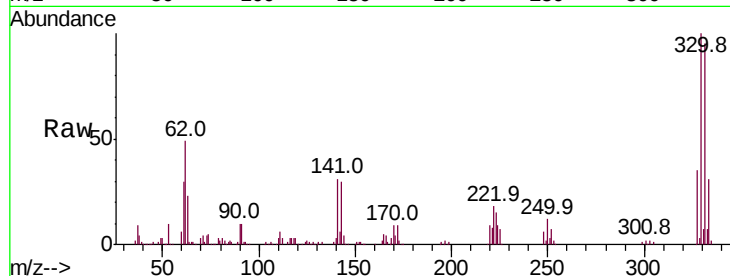
Tot Ion:198 Resp: 374

Ion Ratio Lower Upper

198 100

51 162.5 37.7 77.7#

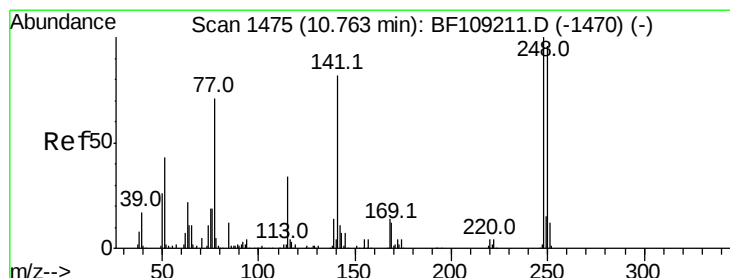
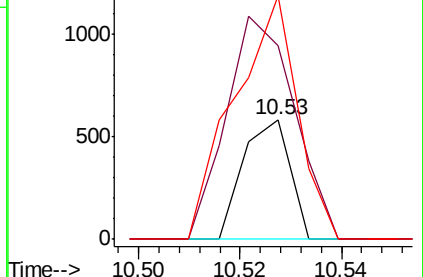
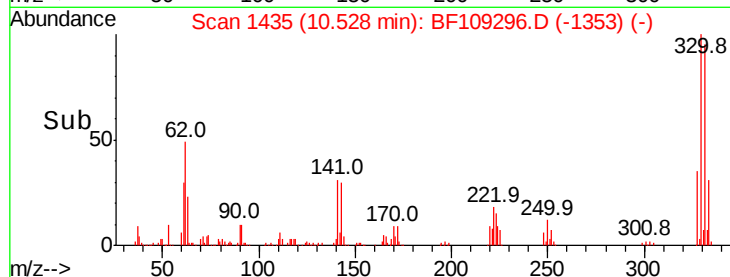
105 203.8 36.3 76.3#



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: 3.603 ng

RT: 10.53 min Scan# 1435

Delta R.T. -0.24 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

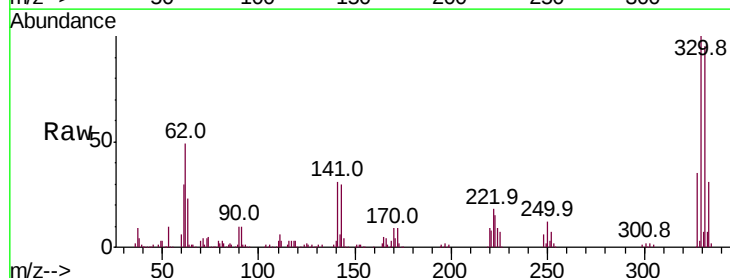
Tgt Ion:248 Resp: 15380

Ion Ratio Lower Upper

248 100

250 203.4 76.9 115.3#

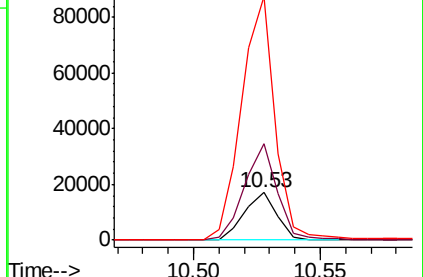
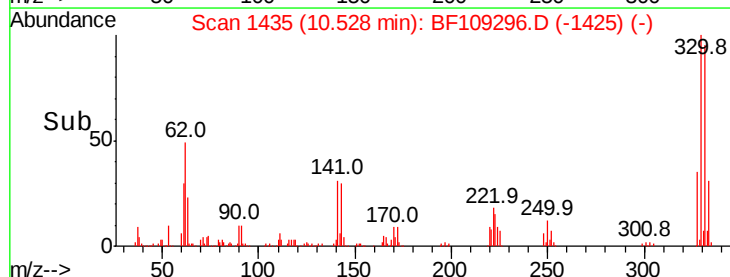
141 511.9 74.4 111.6#

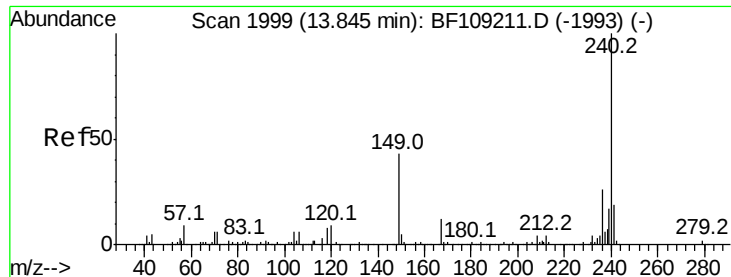


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1999

Delta R.T. 0.00 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

Instrument :

BNA_F

ClientSampleId :

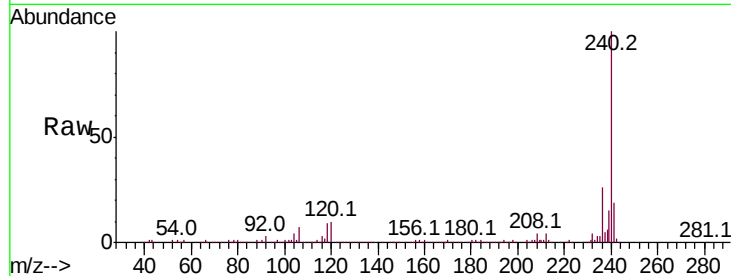
Tot Ion:240 Resp: 281270

Ion Ratio Lower Upper

240 100

120 10.3 9.5 14.3

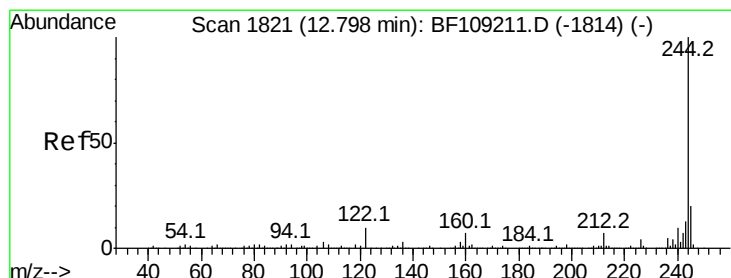
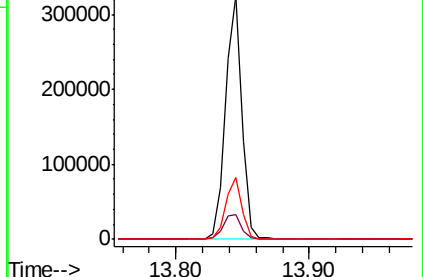
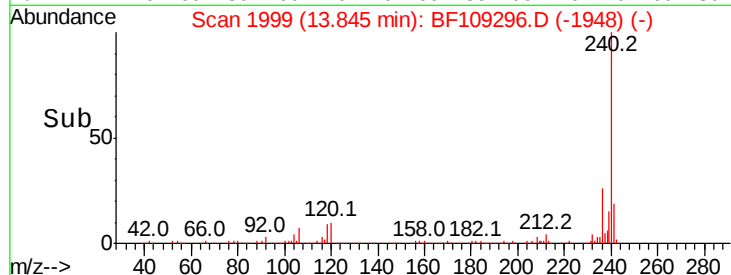
236 25.5 20.7 31.1



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: 93.587 ng

RT: 12.80 min Scan# 1822

Delta R.T. 0.00 min

Lab File: BF109296.D

Acq: 25 Sep 2018 19:56

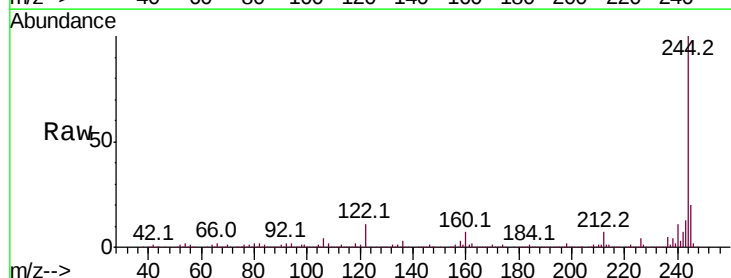
Tgt Ion:244 Resp: 1072589

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

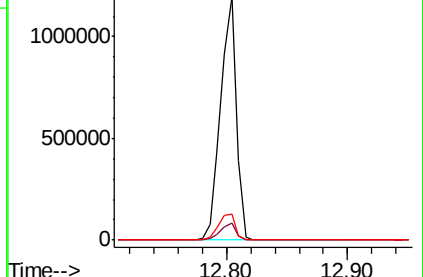
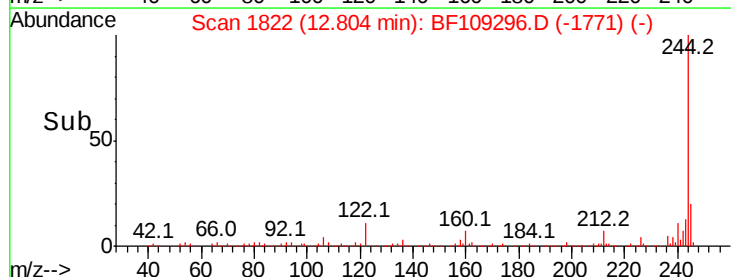
122 10.9 11.0 16.4#

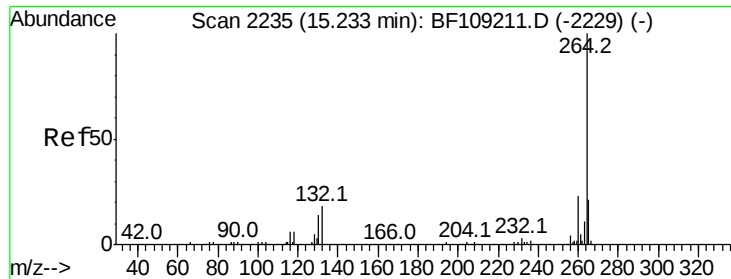


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.01 min
Lab File: BF109296.D
Acq: 25 Sep 2018 19:56

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.6	17.5	26.3

