

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091818\
 Data File : BF109124.D
 Acq On : 19 Sep 2018 4:43
 Operator : JU/SJ
 Sample : J4930-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 06:00:25 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

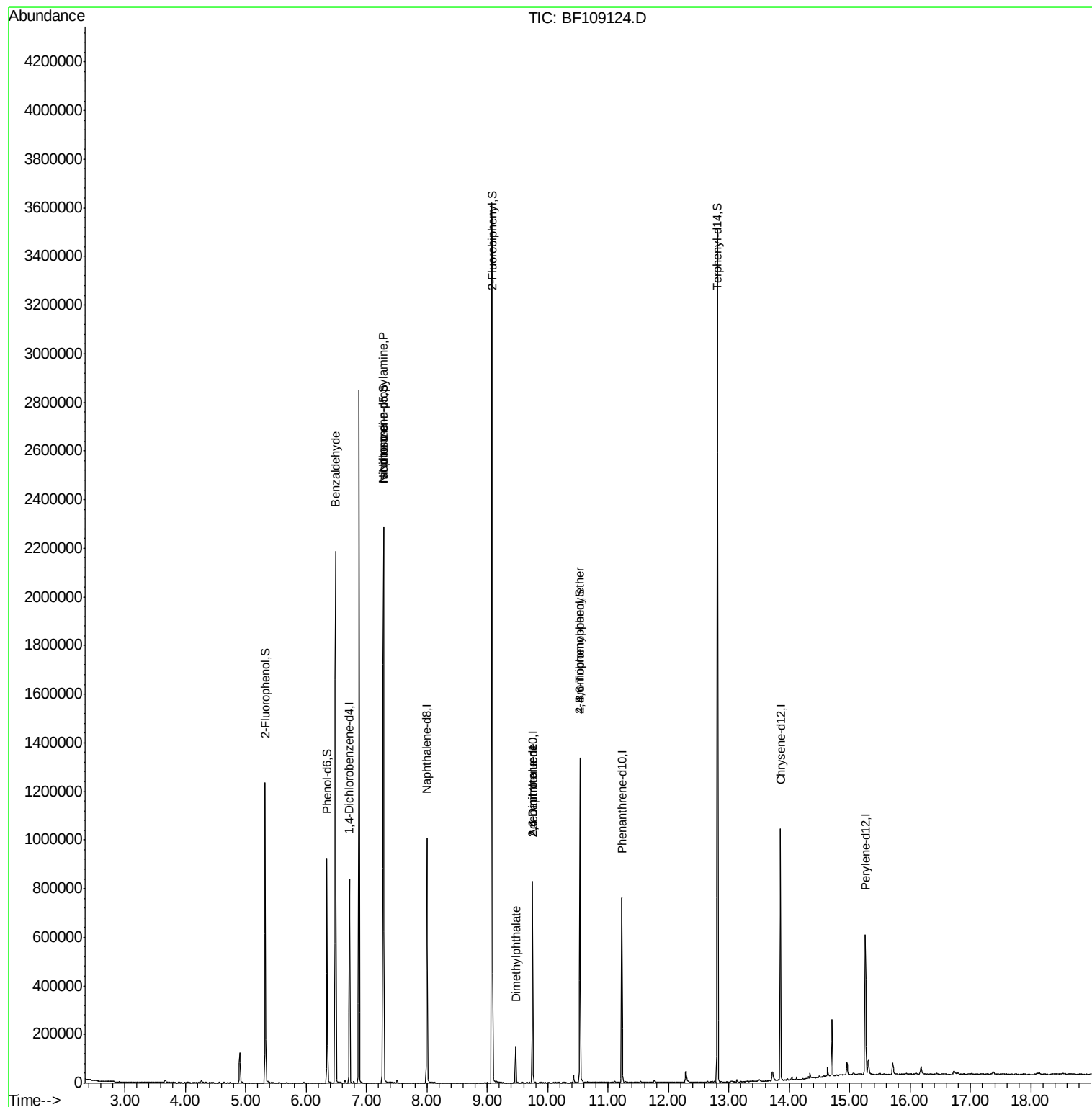
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116808	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	404808	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	164098	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	296060	20.00	ng	0.00
75) Chrysene-d12	13.85	240	316380	20.00	ng	0.00
86) Perylene-d12	15.26	264	267016	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	329228	46.81	ng	0.00
7) Phenol-d6	6.35	99	265458	29.27	ng	-0.01
23) Nitrobenzene-d5	7.28	82	732349	101.47	ng	0.00
41) 2,4,6-Tribromophenol	10.54	330	170720	95.86	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1197192	114.30	ng	0.00
78) Terphenyl-d14	12.81	244	1215582	91.07	ng	0.00
Target Compounds						
9) Benzaldehyde	6.49	77	12980	2.241	ng	# 72
19) n-Nitroso-di-n-propylamine	7.28	70	98658	16.459	ng	# 77
25) Isophorone	7.28	82	732340	59.029	ng	# 64
49) Dimethylphthalate	9.47	163	64327	5.485	ng	# 98
50) 2,6-Dinitrotoluene	9.75	165	20564	7.906	ng	# 25
56) 2,4-Dinitrotoluene	9.75	165	20564	6.045	ng	# 22
66) 4-Bromophenyl-phenylether	10.54	248	10355	3.102	ng	# 1

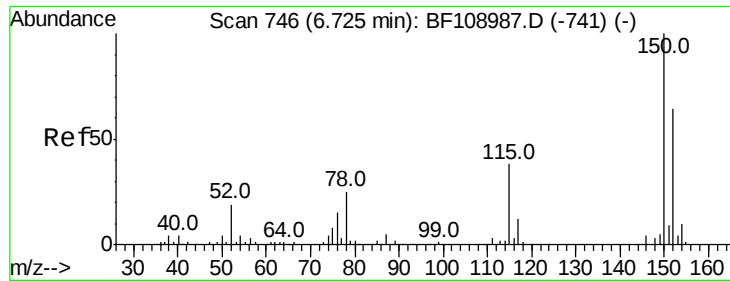
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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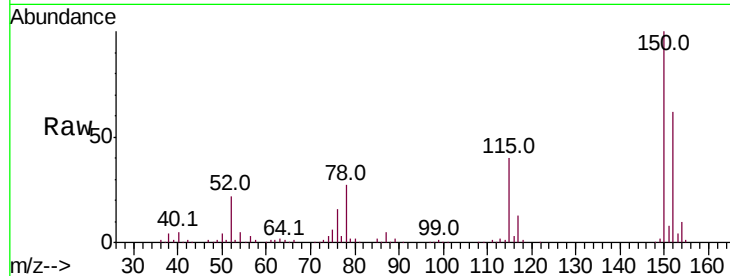


#1

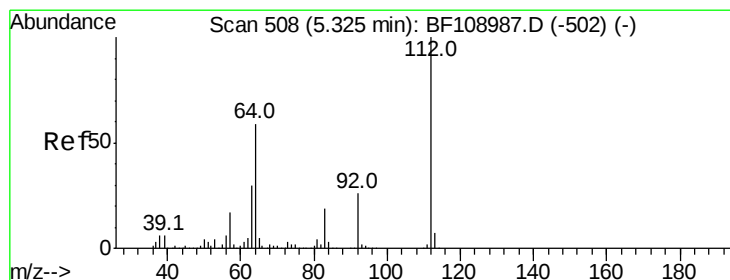
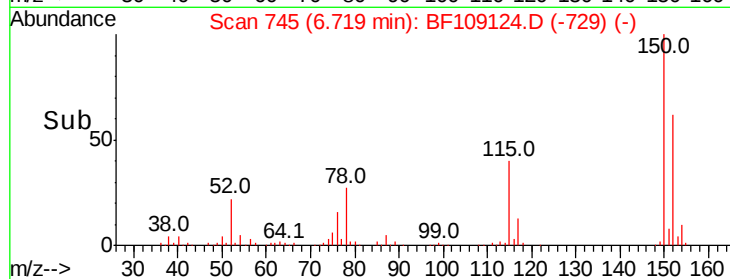
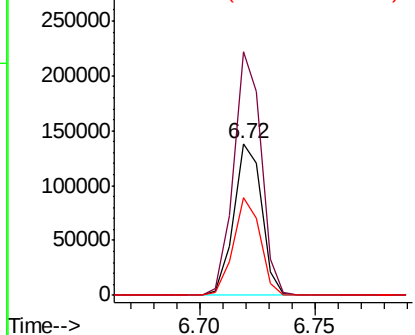
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109124.D
Acq: 19 Sep 2018 4:43

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	64.2	50.1	75.1



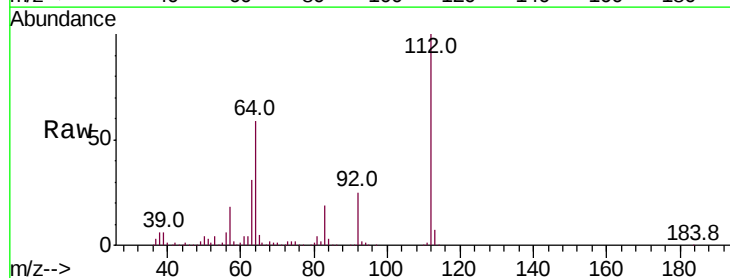
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



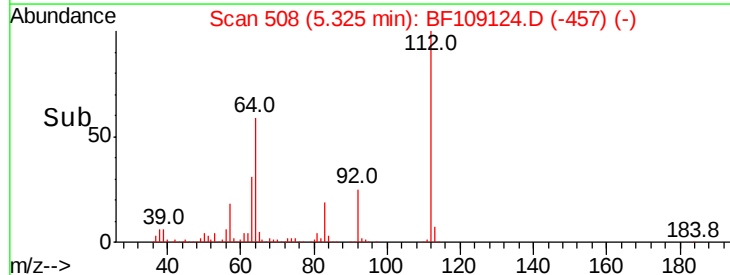
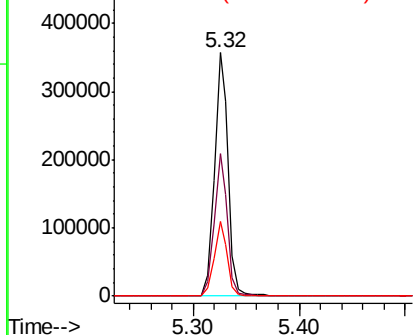
#5

2-Fluorophenol
Concen: 46.813 ng
RT: 5.32 min Scan# 508
Delta R.T. 0.00 min
Lab File: BF109124.D
Acq: 19 Sep 2018 4:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.9	71.9
63	30.5	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: 29.272 ng

RT: 6.35 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

Instrument :

BNA_F

ClientSampled :

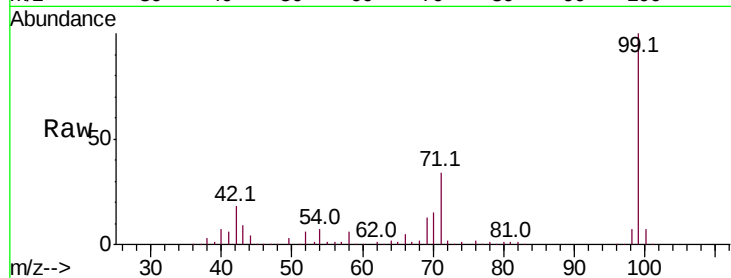
Tot Ion: 99 Resp: 265458

Ion Ratio Lower Upper

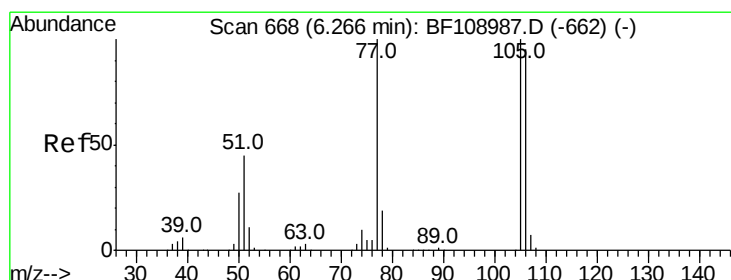
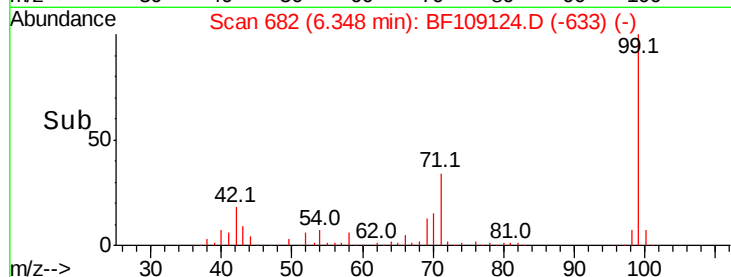
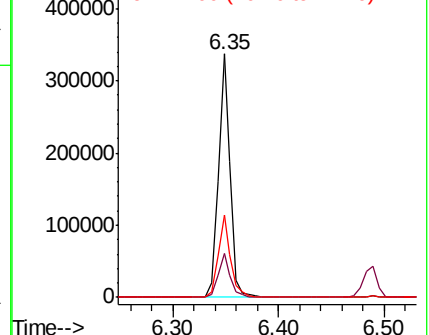
99 100

42 18.1 14.5 21.7

71 34.1 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



#9

Benzaldehyde

Concen: 2.241 ng

RT: 6.49 min Scan# 706

Delta R.T. 0.22 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

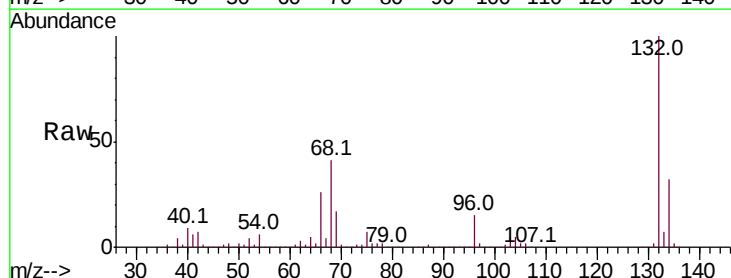
Tgt Ion: 77 Resp: 12980

Ion Ratio Lower Upper

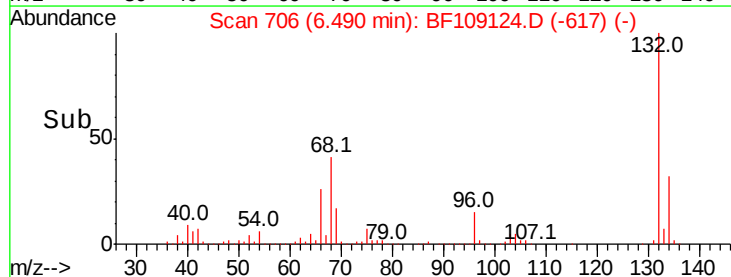
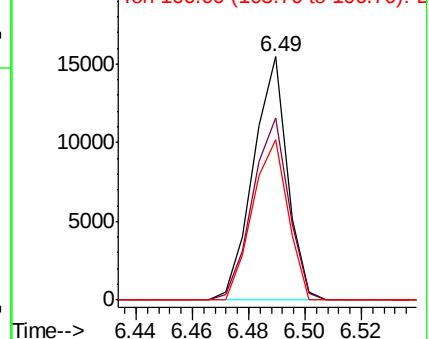
77 100

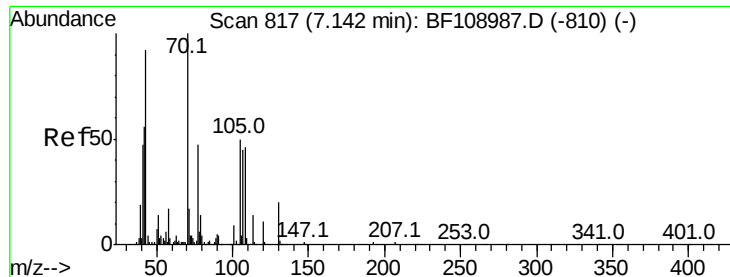
105 75.0 81.1 121.1#

106 65.8 74.5 114.5#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

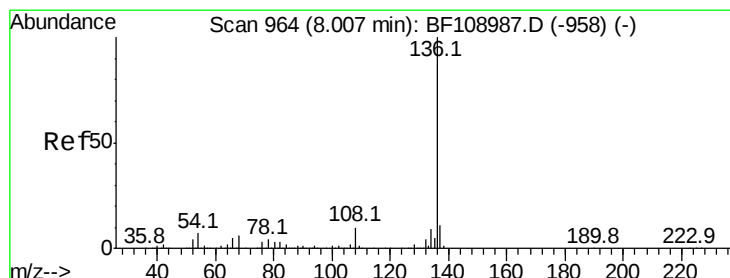
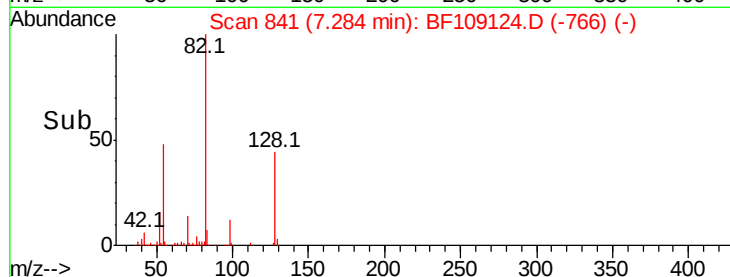
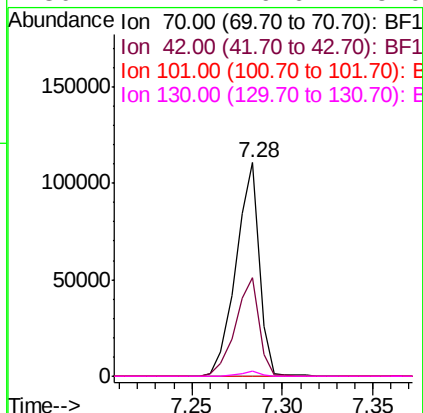
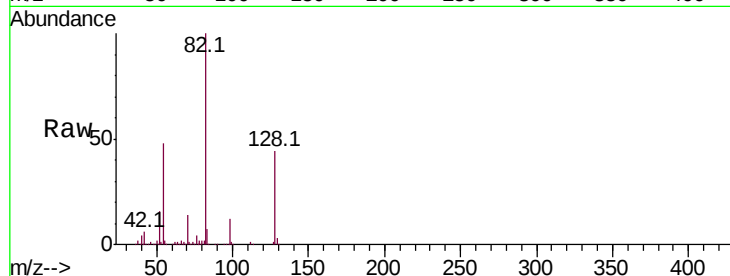




#19
 n-Nitroso-di-n-propylamine
 Concen: 16.459 ng
 RT: 7.28 min Scan# 841
 Delta R.T. 0.14 min
 Lab File: BF109124.D
 Acq: 19 Sep 2018 4:43

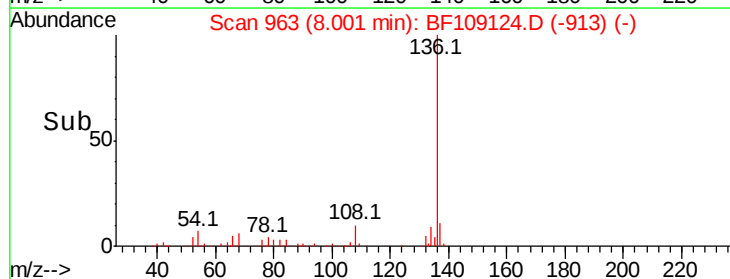
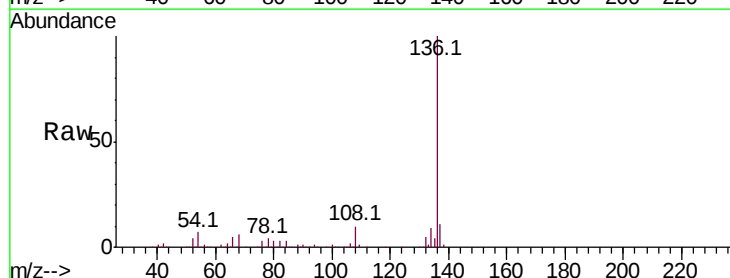
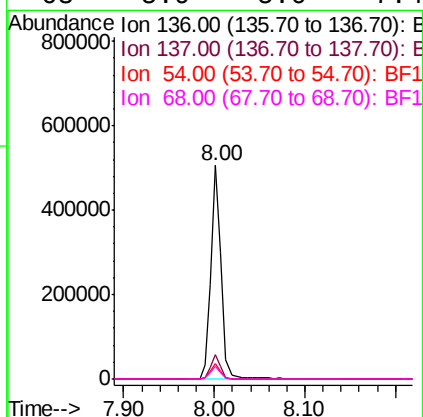
Instrument :
 BNA_F
 ClientSampleId :

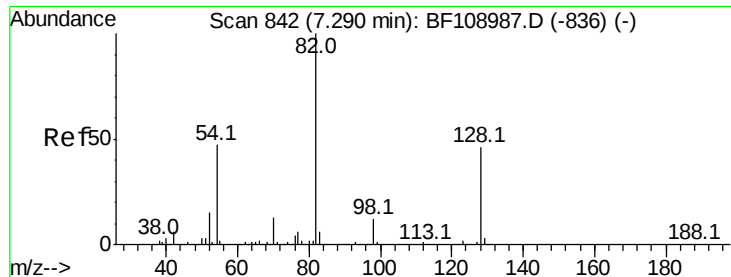
Tot Ion: 70 Resp: 98658
 Ion Ratio Lower Upper
 70 100
 42 46.3 47.5 71.3#
 101 0.0 7.4 11.2#
 130 2.2 16.6 25.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.00 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: BF109124.D
 Acq: 19 Sep 2018 4:43

Tgt Ion:136 Resp: 404808
 Ion Ratio Lower Upper
 136 100
 137 11.2 8.9 13.3
 54 7.1 6.6 9.8
 68 5.9 5.0 7.4

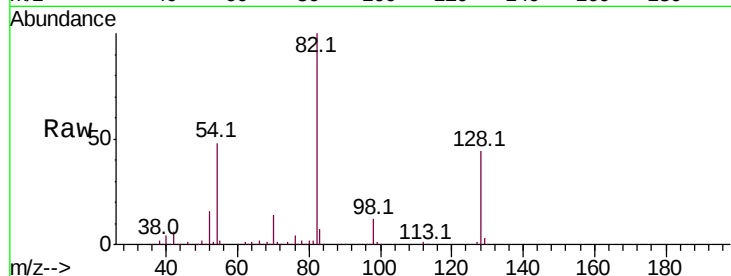




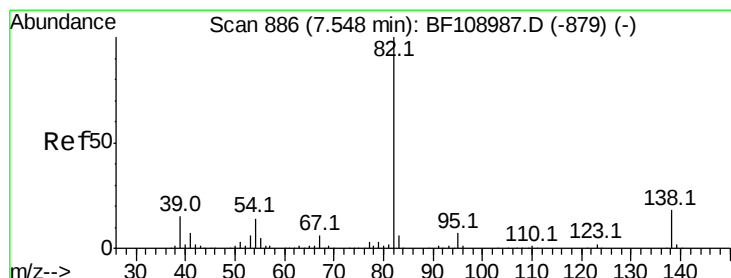
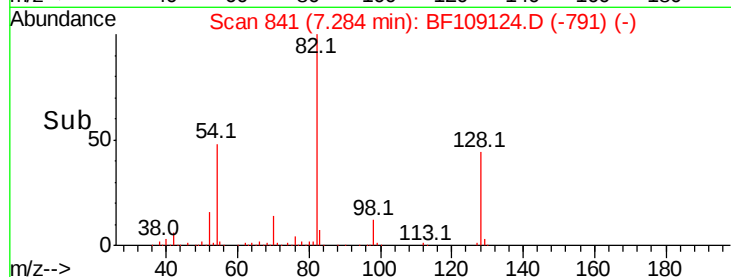
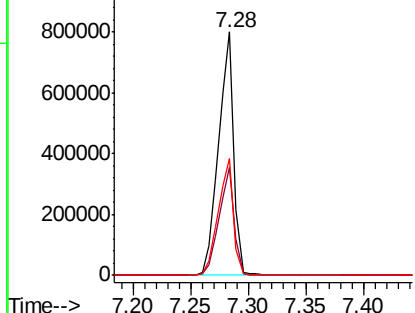
#23
Nitrobenzene-d5
Concen: 101.471 ng
RT: 7.28 min Scan# 841
Delta R.T. -0.01 min
Lab File: BF109124.D
Acq: 19 Sep 2018 4:43

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 732349
Ion Ratio Lower Upper
82 100
128 44.3 36.1 54.1
54 47.8 41.4 62.2

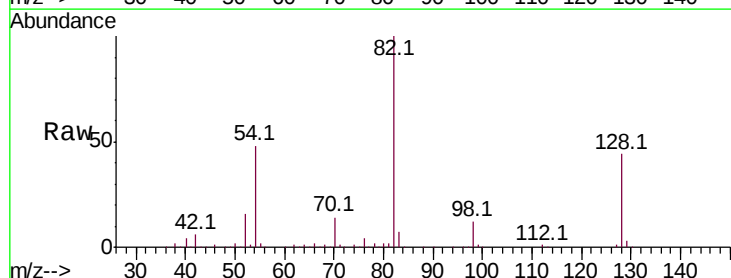


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

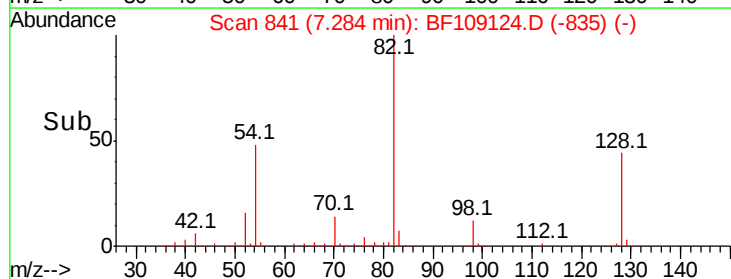
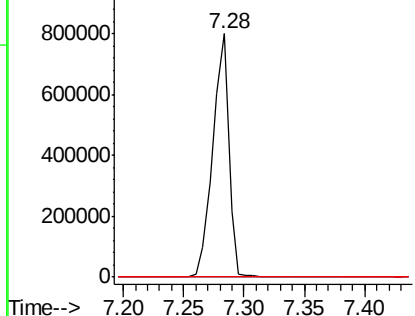


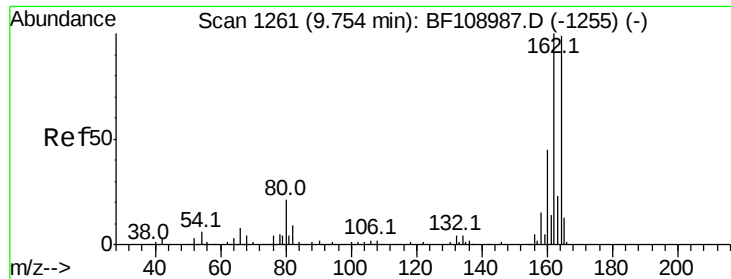
#25
Isophorone
Concen: 59.029 ng
RT: 7.28 min Scan# 841
Delta R.T. -0.26 min
Lab File: BF109124.D
Acq: 19 Sep 2018 4:43

Tgt Ion: 82 Resp: 732340
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: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

Instrument :

BNA_F

ClientSampleId :

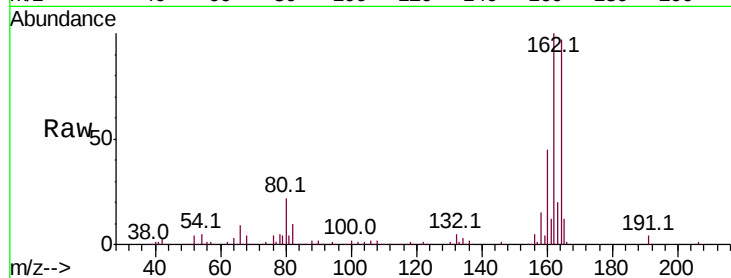
Tot Ion:164 Resp: 164098

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

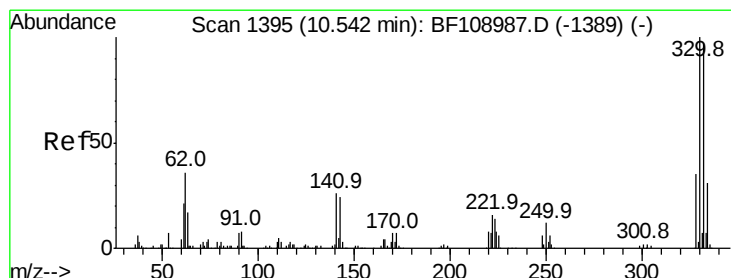
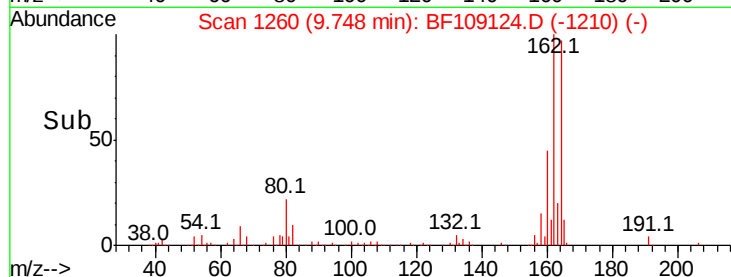
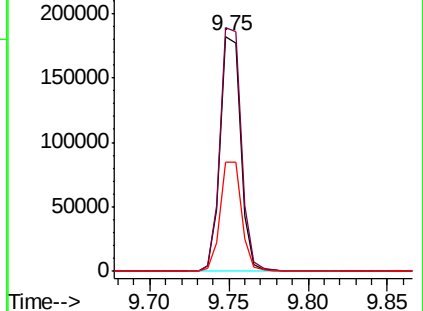
160 46.4 38.3 57.5



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: 95.862 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.01 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

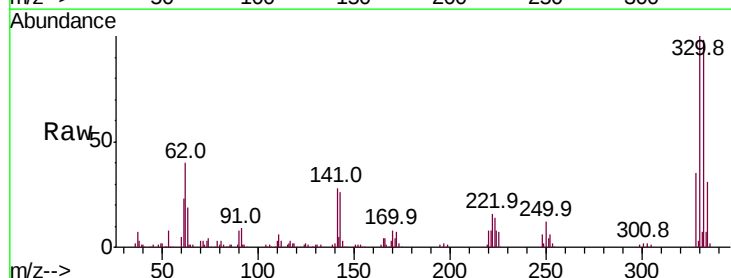
Tgt Ion:330 Resp: 170720

Ion Ratio Lower Upper

330 100

332 96.8 77.0 115.6

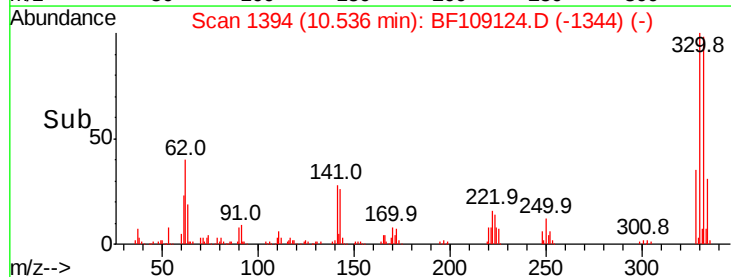
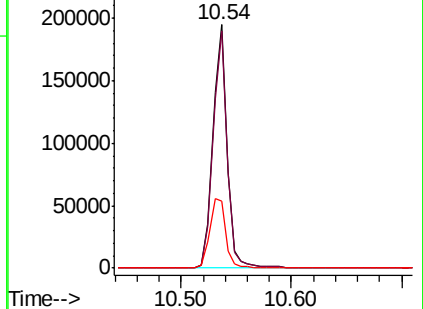
141 31.7 29.9 44.9

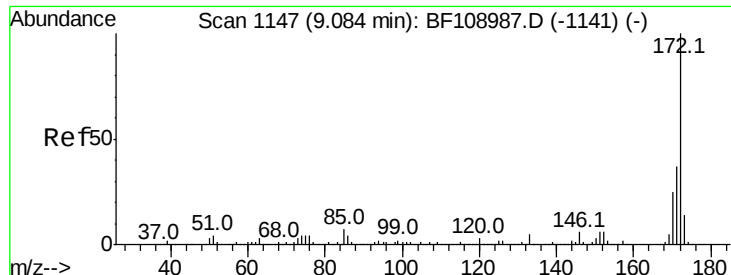


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 114.302 ng

RT: 9.08 min Scan# 1146

Delta R.T. -0.01 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

Instrument :

BNA_F

ClientSampleId :

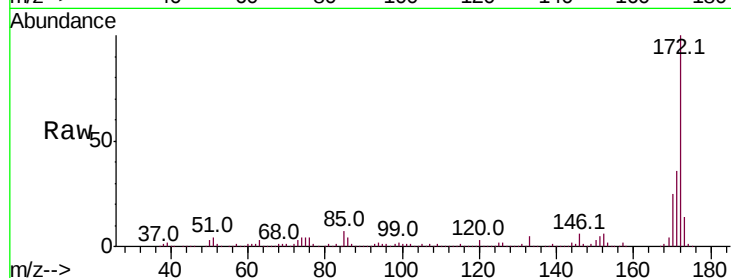
Tot Ion:172 Resp: 1197192

Ion Ratio Lower Upper

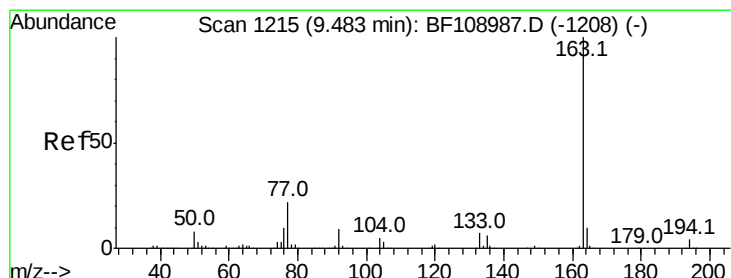
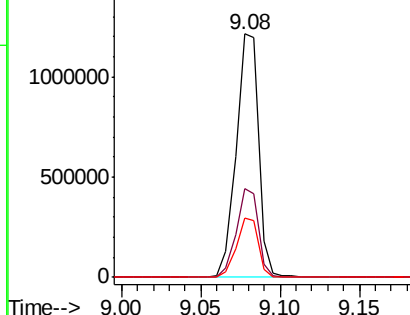
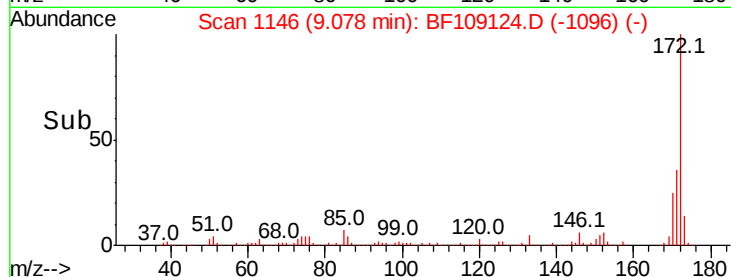
172 100

171 36.2 29.7 44.5

170 24.6 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: 5.485 ng

RT: 9.47 min Scan# 1213

Delta R.T. -0.01 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

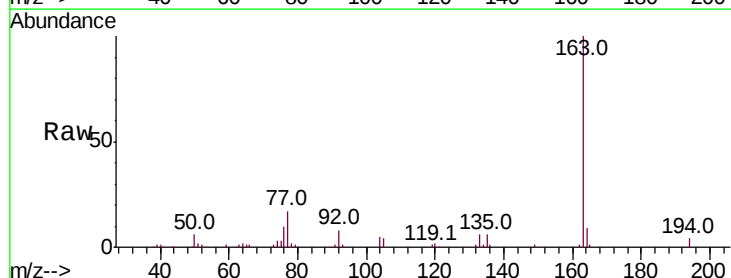
Tgt Ion:163 Resp: 64327

Ion Ratio Lower Upper

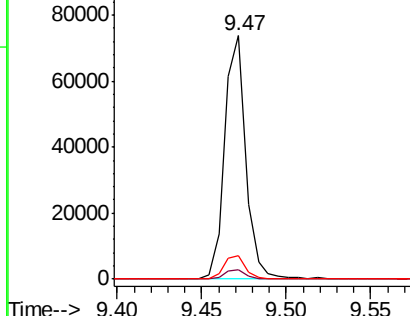
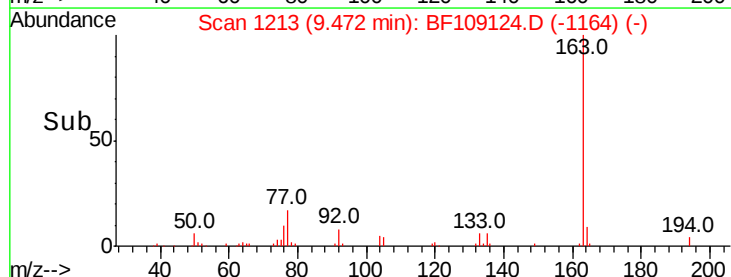
163 100

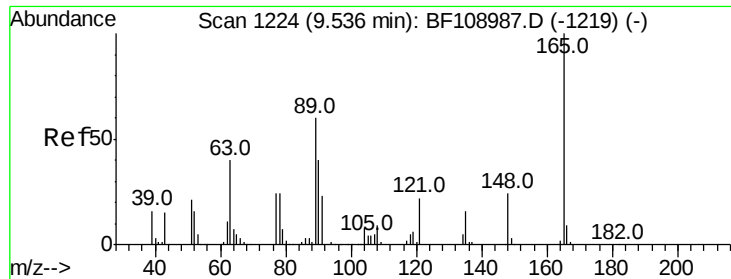
194 3.9 2.7 4.1

164 9.4 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

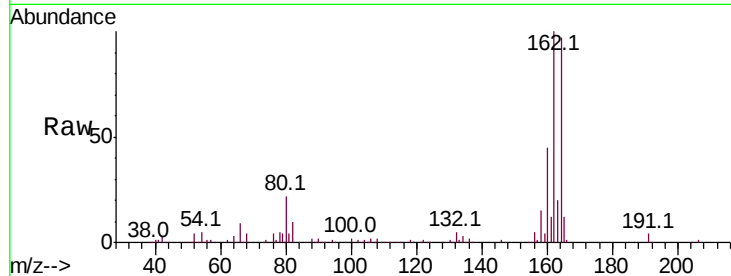




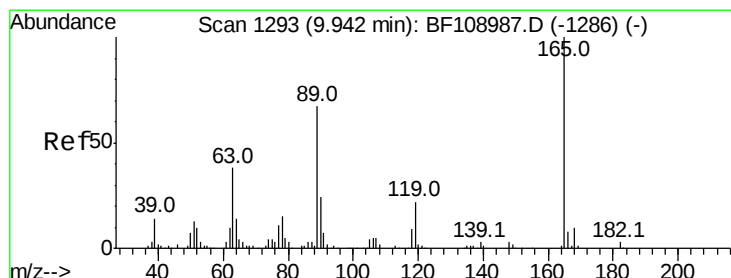
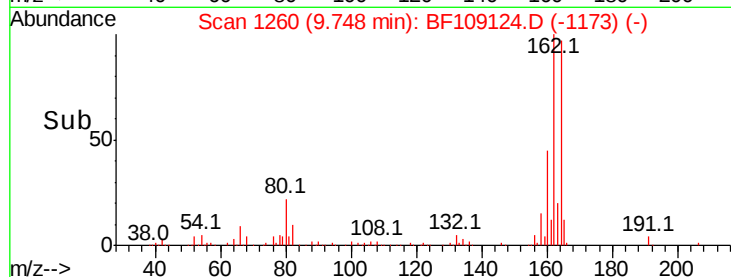
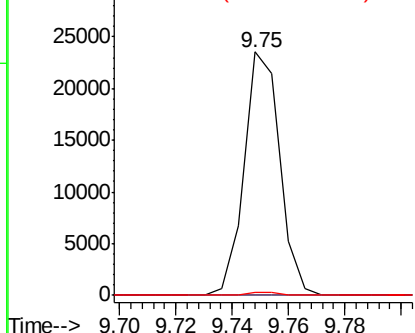
#50
 2,6-Dinitrotoluene
 Concen: 7.906 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. 0.21 min
 Lab File: BF109124.D
 Acq: 19 Sep 2018 4:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.3	44.0	66.0#

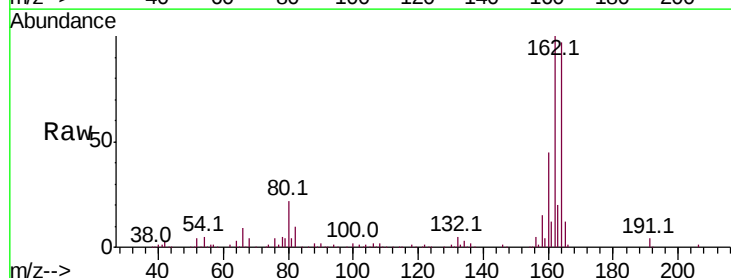


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

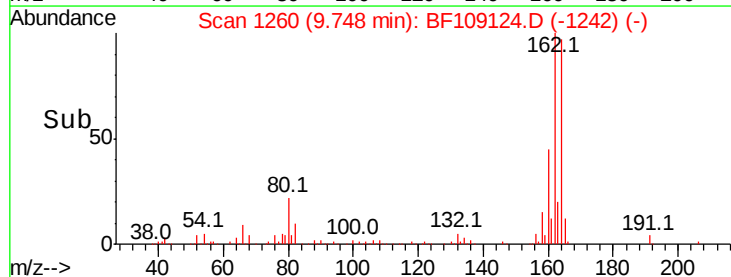
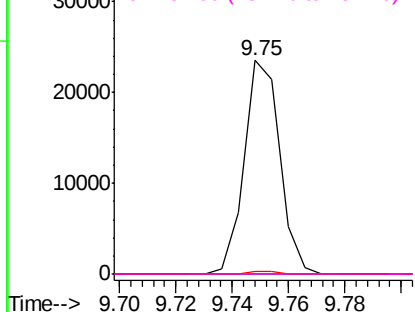


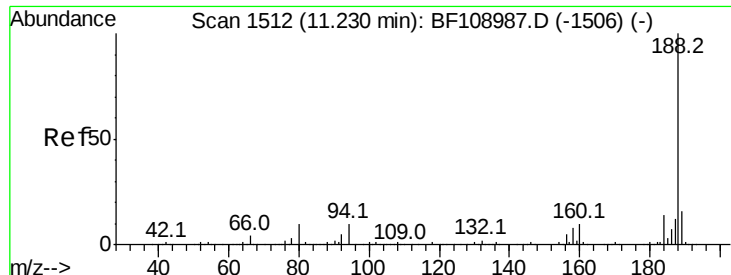
#56
 2,4-Dinitrotoluene
 Concen: 6.045 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.19 min
 Lab File: BF109124.D
 Acq: 19 Sep 2018 4:43

Tgt 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#



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





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1512

Delta R.T. -0.00 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

Instrument :

BNA_F

ClientSampleId :

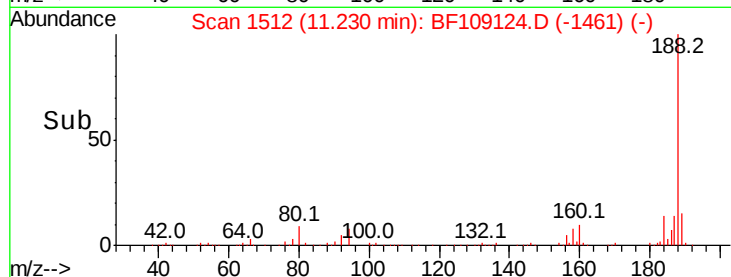
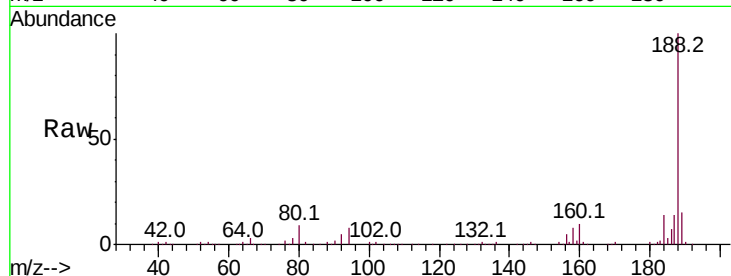
Tot Ion:188 Resp: 296060

Ion Ratio Lower Upper

188 100

94 8.2 8.5 12.7#

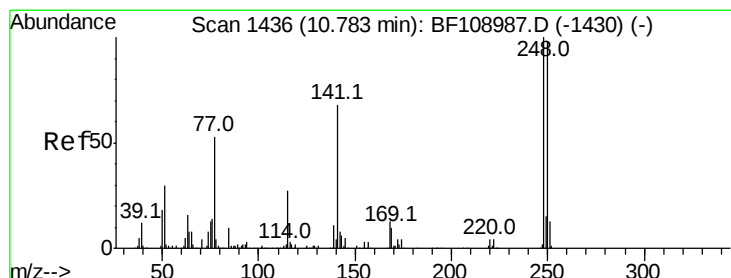
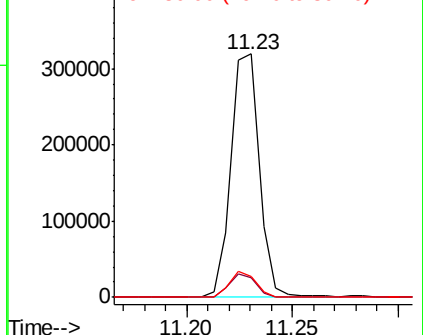
80 8.7 9.2 13.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.102 ng

RT: 10.54 min Scan# 1394

Delta R.T. -0.25 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

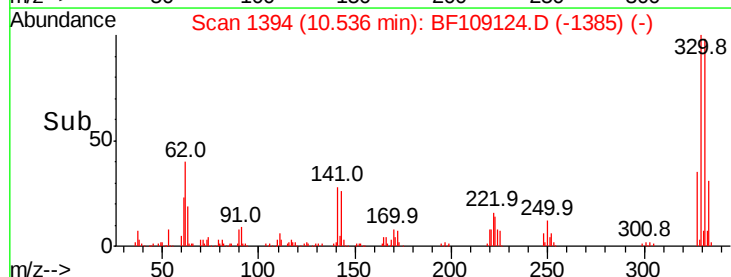
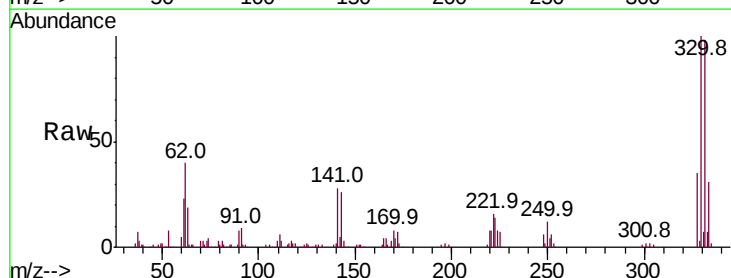
Tgt Ion:248 Resp: 10355

Ion Ratio Lower Upper

248 100

250 206.3 76.9 115.3#

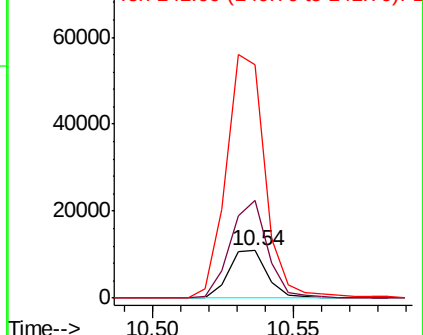
141 494.4 74.4 111.6#

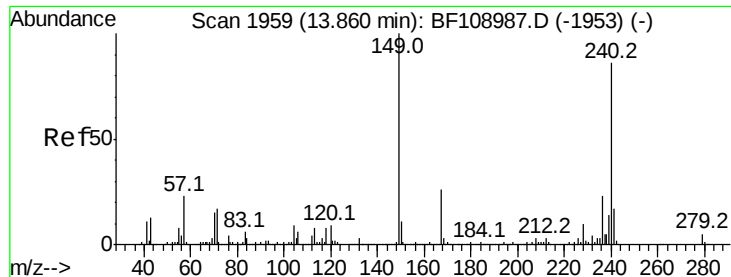


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.85 min Scan# 1958

Delta R.T. -0.01 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

Instrument :

BNA_F

ClientSampled :

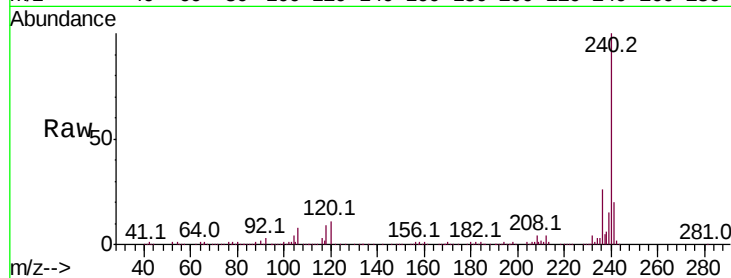
Tot Ion:240 Resp: 316380

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

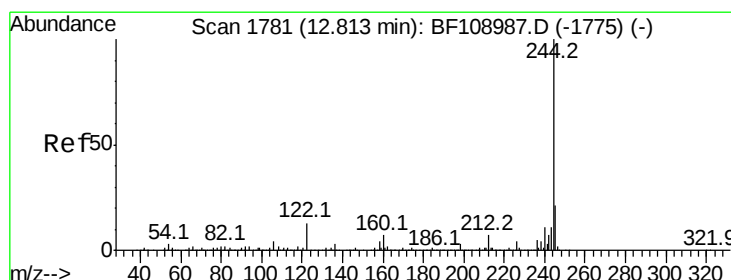
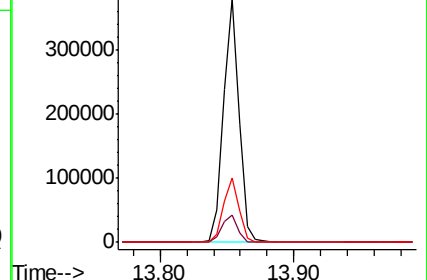
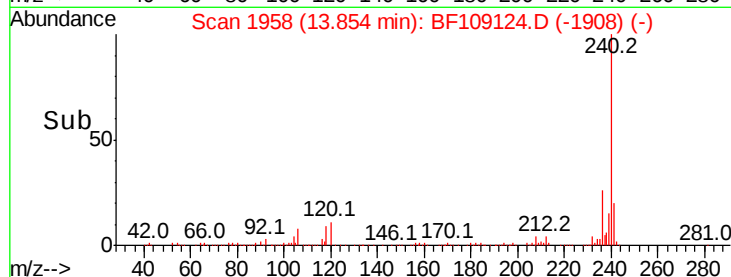
236 26.4 20.7 31.1



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: 91.069 ng

RT: 12.81 min Scan# 1781

Delta R.T. -0.00 min

Lab File: BF109124.D

Acq: 19 Sep 2018 4:43

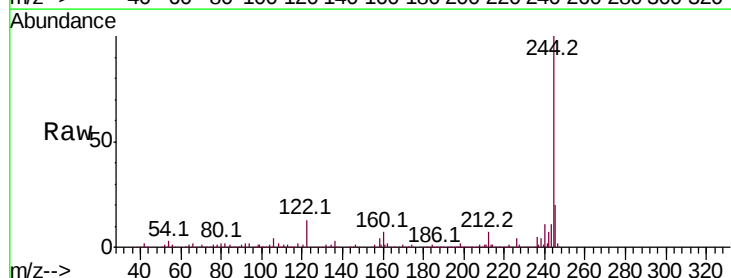
Tgt Ion:244 Resp: 1215582

Ion Ratio Lower Upper

244 100

212 7.4 5.4 8.0

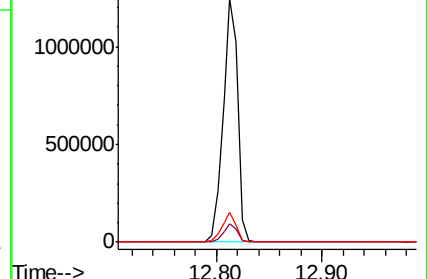
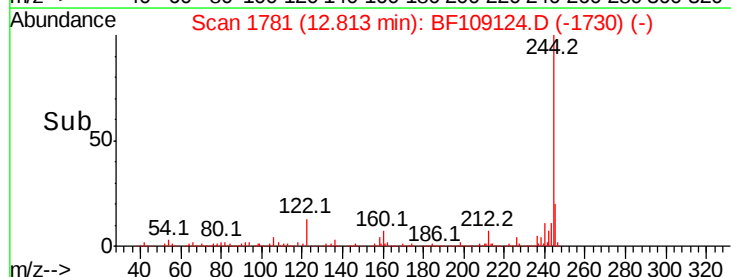
122 12.5 11.0 16.4

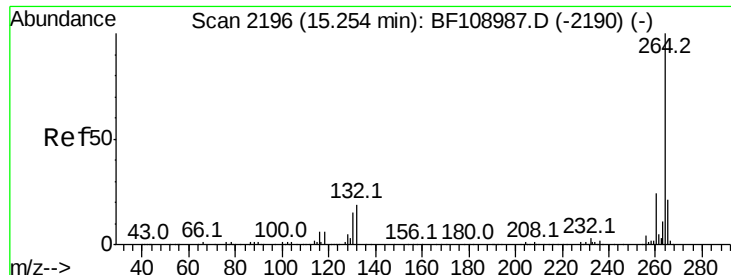


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

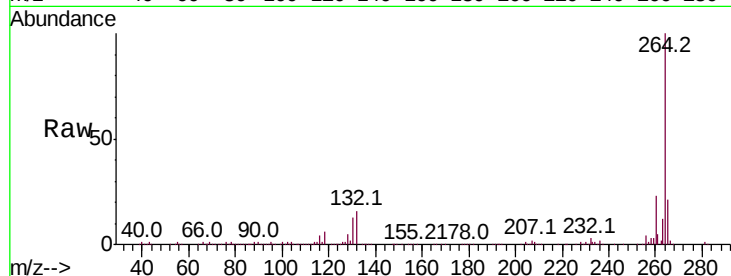




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF109124.D
Acq: 19 Sep 2018 4:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.2	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

