

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113825.D
 Acq On : 18 Apr 2019 19:04
 Operator : JU/SJ
 Sample : K2444-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:07:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF041819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 18 13:55:51 2019
 Response via : Initial Calibration

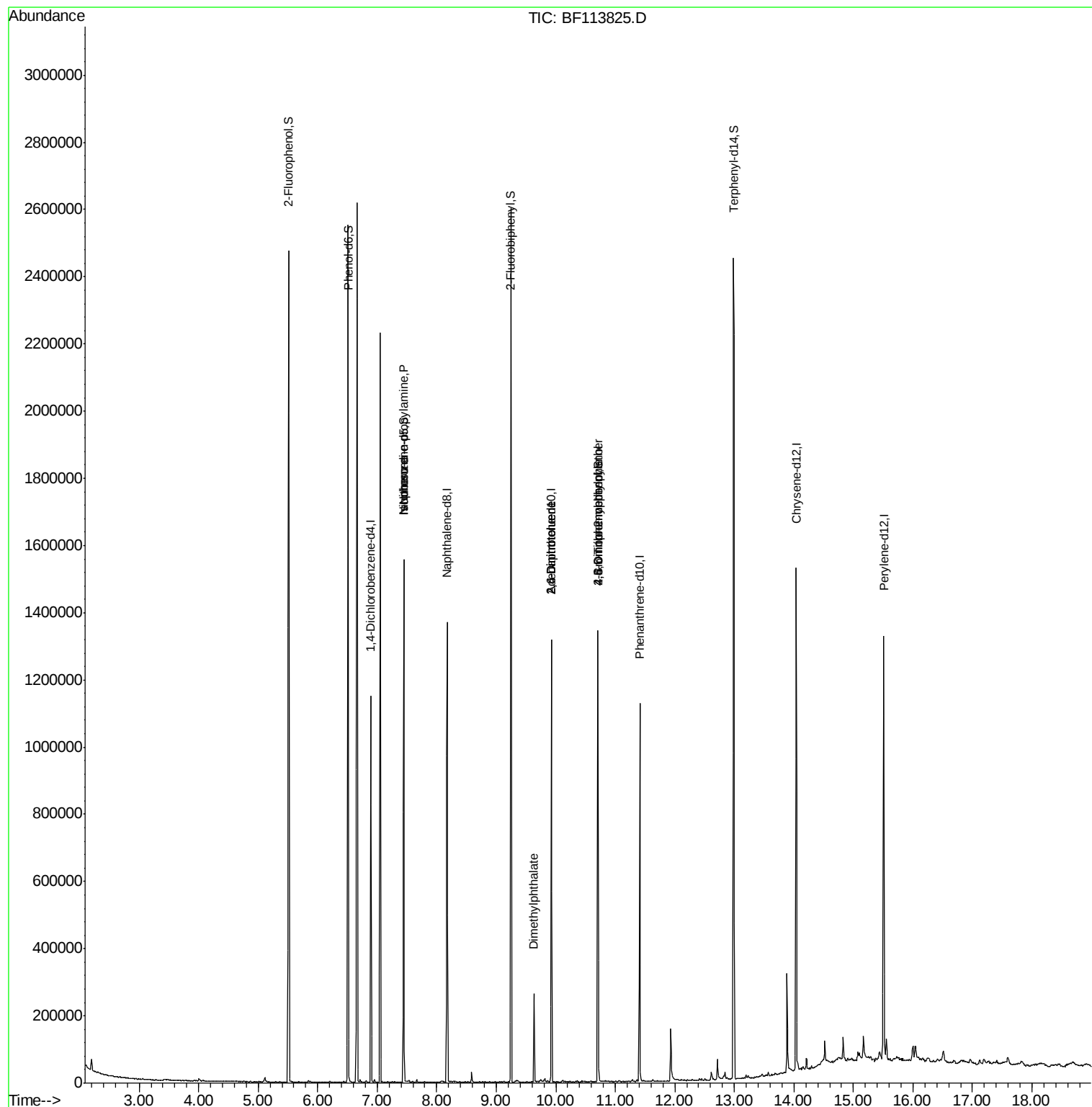
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	156823	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	557105	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	244665	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	411639	20.00	ng	0.00
76) Chrysene-d12	14.04	240	455006	20.00	ng	0.00
87) Perylene-d12	15.51	264	565871	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	699344	74.15	ng	0.00
7) Phenol-d6	6.51	99	856668	72.84	ng	0.00
23) Nitrobenzene-d5	7.45	82	469085	51.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	175451	64.91	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	819878	51.10	ng	0.00
79) Terphenyl-d14	12.99	244	860907	39.68	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.66	77	16127	Below Cal		86
19) n-Nitroso-di-n-propylamine	7.45	70	62588	7.972 ng	#	79
25) Isophorone	7.45	82	469073	24.764 ng	#	65
50) Dimethylphthalate	9.64	163	106136	6.199 ng		98
51) 2,6-Dinitrotoluene	9.93	165	31752	8.403 ng	#	33
57) 2,4-Dinitrotoluene	9.93	165	31752	6.773 ng	#	29
65) 4,6-Dinitro-2-methylphenol	10.71	198	228	7.042 ng	#	1
67) 4-Bromophenyl-phenylether	10.71	248	10836	2.242 ng	#	1

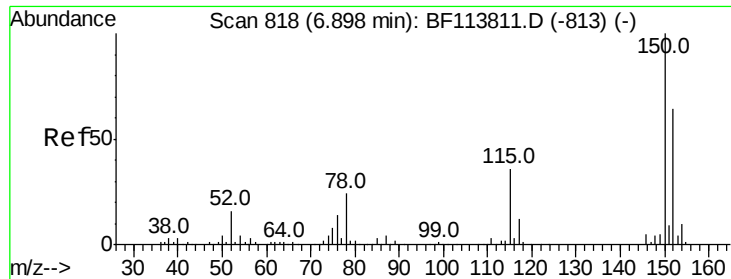
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
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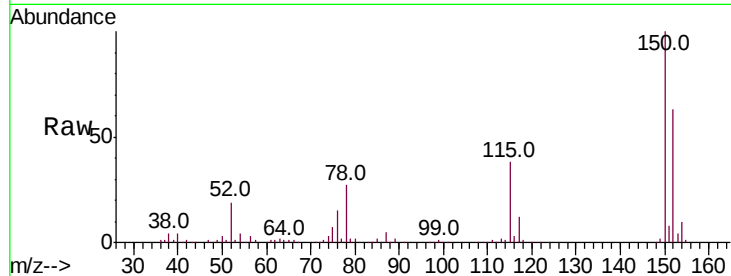




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113825.D
 Acq: 18 Apr 2019 19:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.9	188.9
115	60.4	45.9	68.9

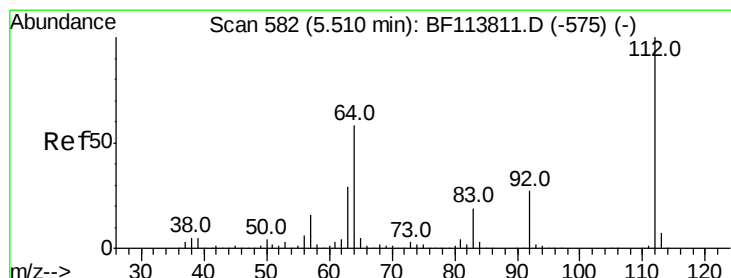
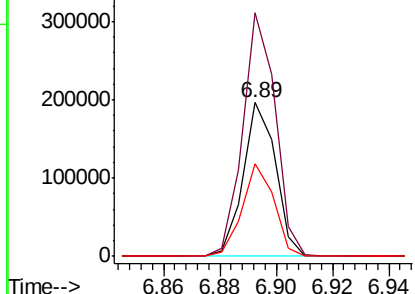
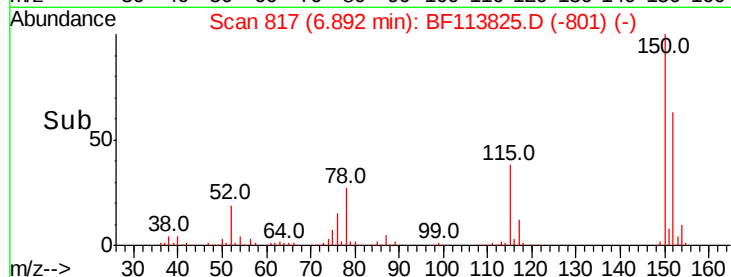


Abundance

Ion 152.00 (151.70 to 152.70): E

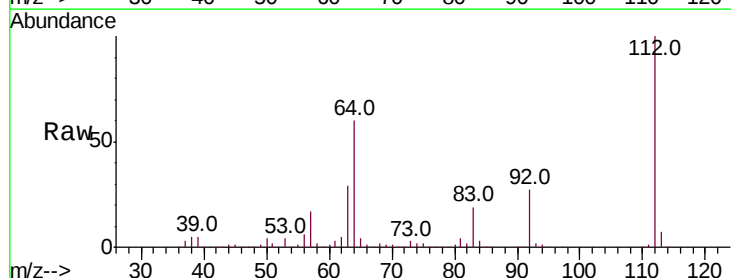
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 74.151 ng
 RT: 5.51 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: BF113825.D
 Acq: 18 Apr 2019 19:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	46.6	69.8
63	29.0	23.1	34.7

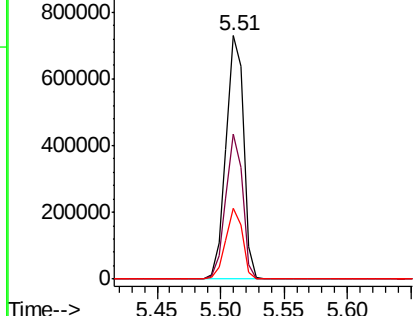
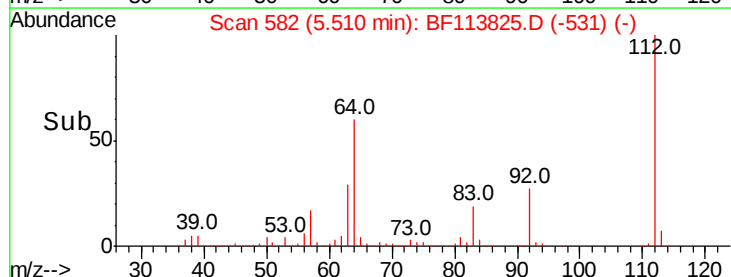


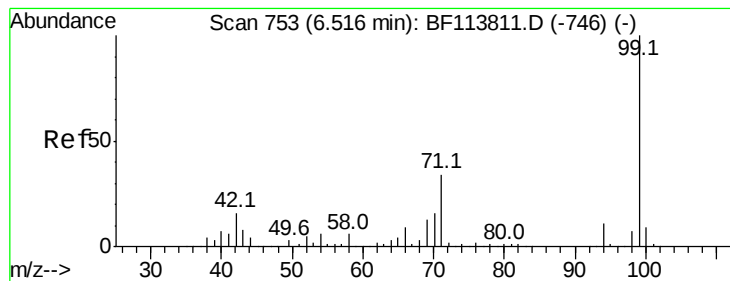
Abundance

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: 72.836 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Instrument :

BNA_F

ClientSampleId :

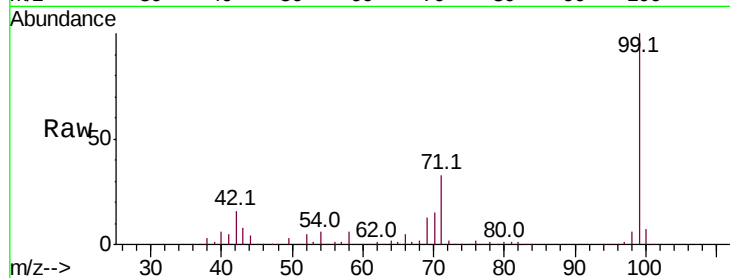
Tot Ion: 99 Resp: 856668

Ion Ratio Lower Upper

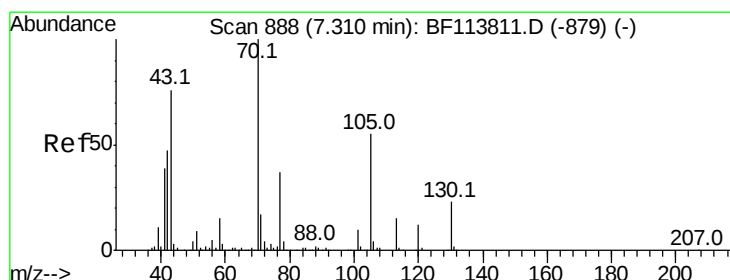
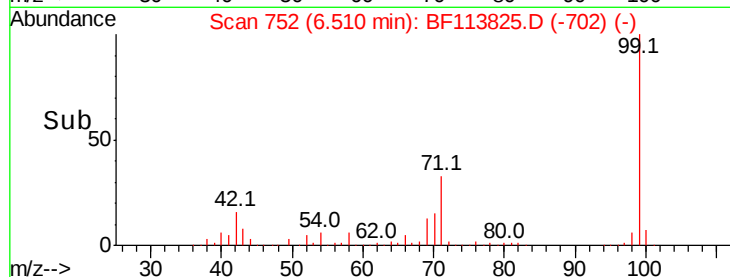
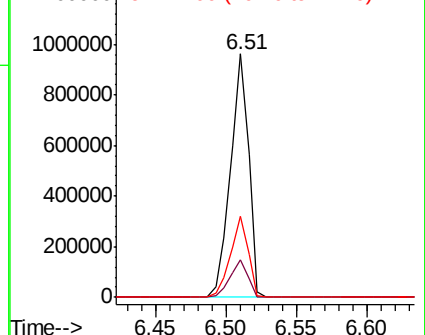
99 100

42 15.6 12.5 18.7

71 33.5 26.9 40.3



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: 7.972 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Tgt Ion: 70 Resp: 62588

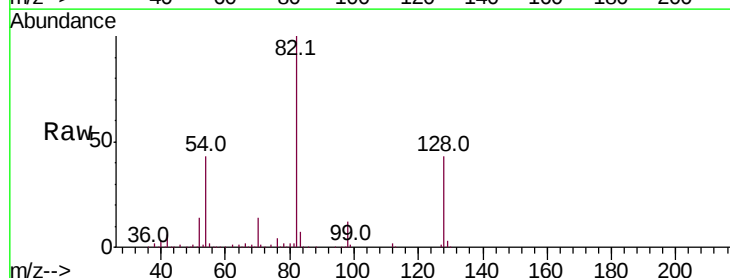
Ion Ratio Lower Upper

70 100

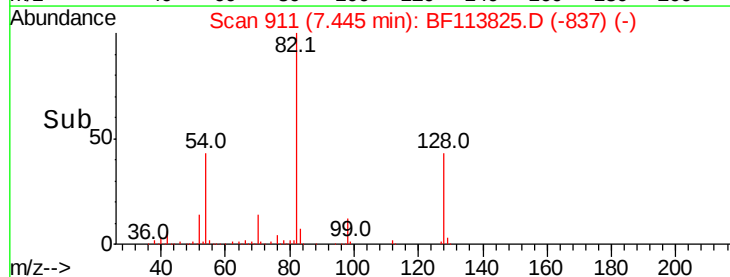
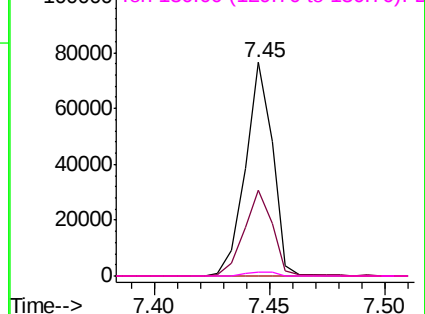
42 40.4 37.3 55.9

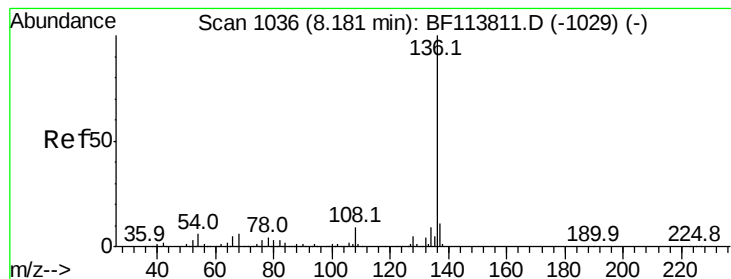
101 0.0 7.8 11.8#

130 2.0 18.2 27.2#



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): E
Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 557105

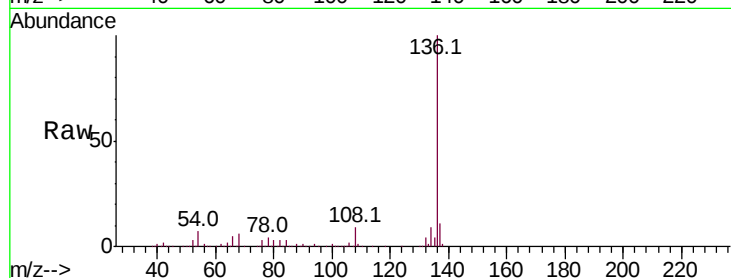
Ion Ratio Lower Upper

136 100

137 11.1 8.6 12.8

54 6.6 5.0 7.6

68 6.4 4.9 7.3

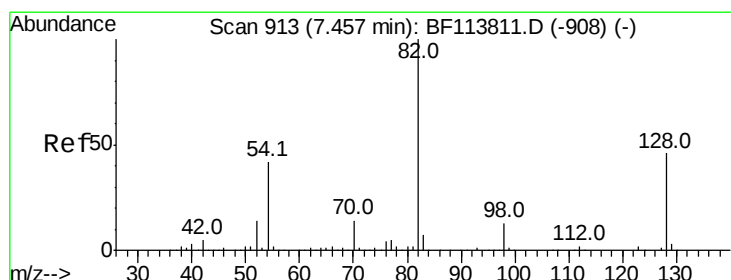
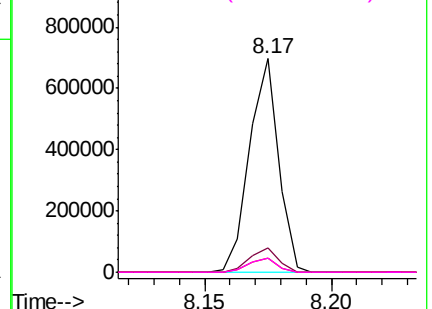
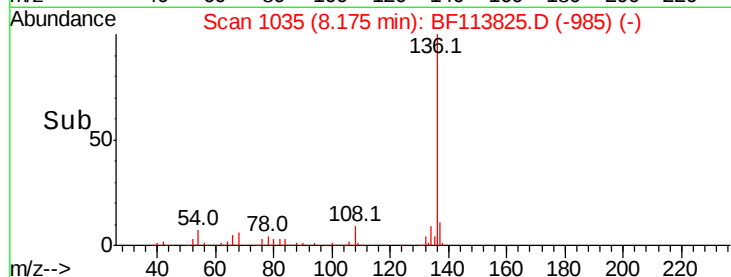


Abundance Ion 136.00 (135.70 to 136.70): E

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: 51.275 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

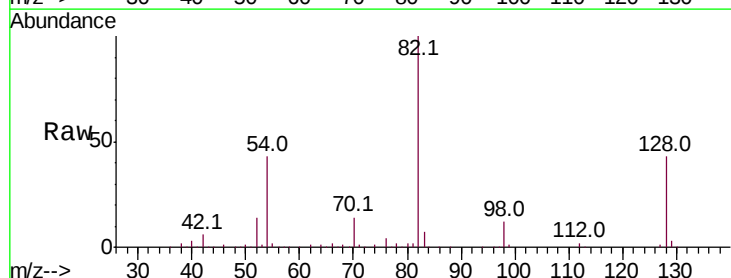
Tgt Ion: 82 Resp: 469085

Ion Ratio Lower Upper

82 100

128 43.0 36.8 55.2

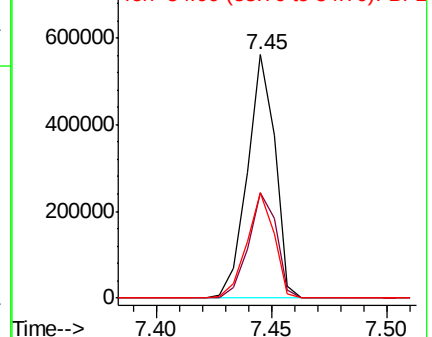
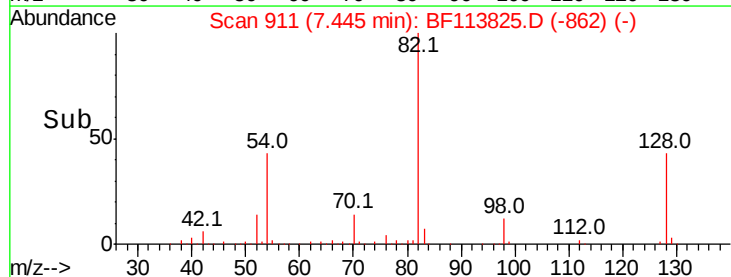
54 43.2 33.8 50.6

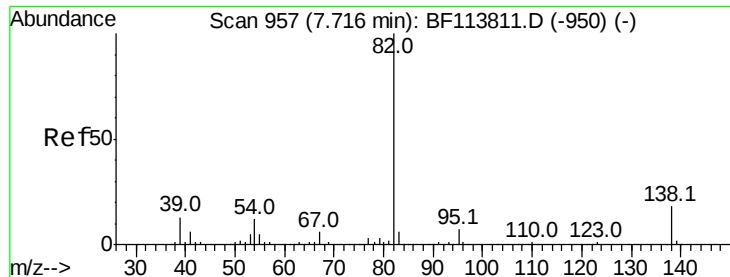


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 24.764 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Instrument :

BNA_F

ClientSampleId :

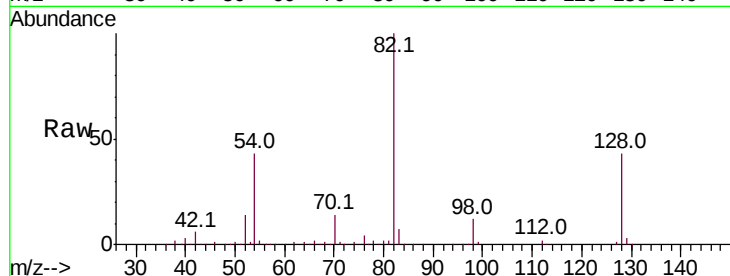
Tot Ion: 82 Resp: 469073

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

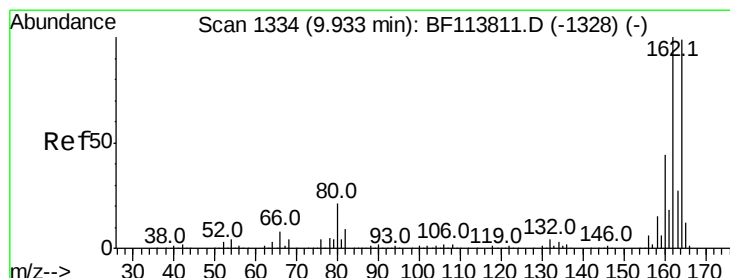
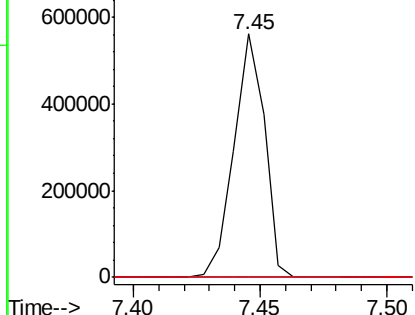
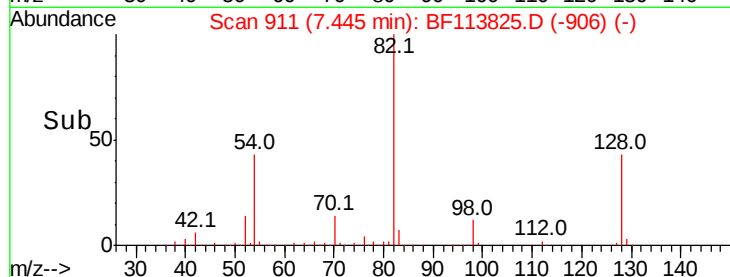
138 0.0 14.6 22.0#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

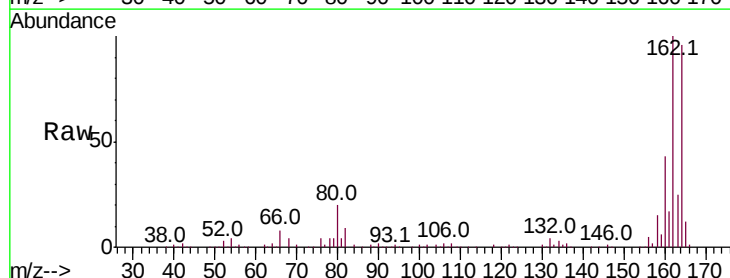
Tgt Ion:164 Resp: 244665

Ion Ratio Lower Upper

164 100

162 103.7 81.1 121.7

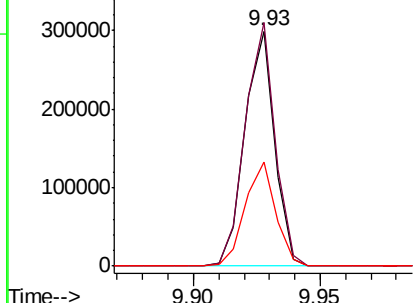
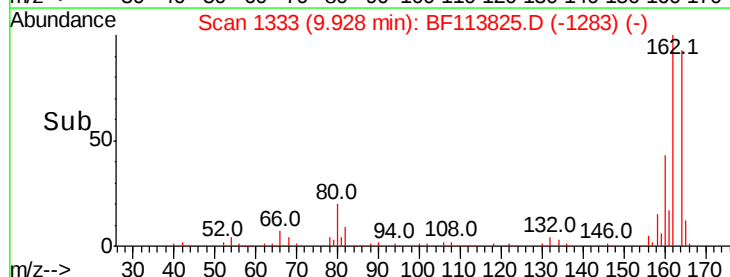
160 44.3 35.8 53.6

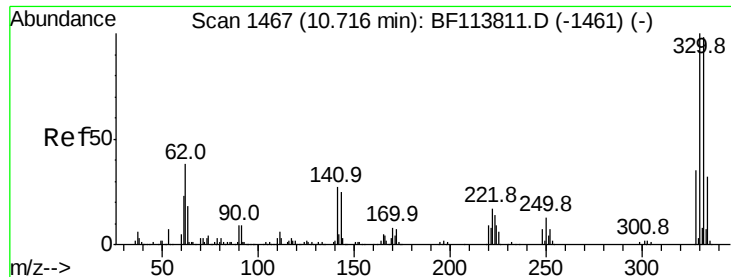


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 64.907 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Instrument :

BNA_F

ClientSampled :

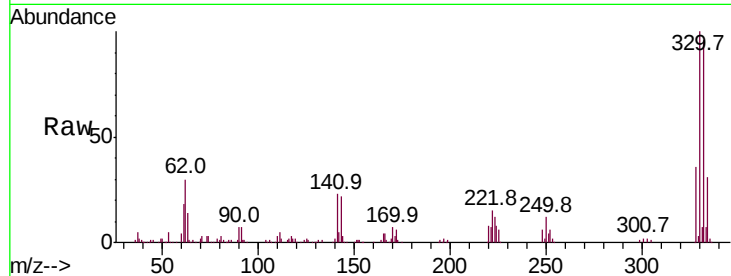
Tot Ion:330 Resp: 175451

Ion Ratio Lower Upper

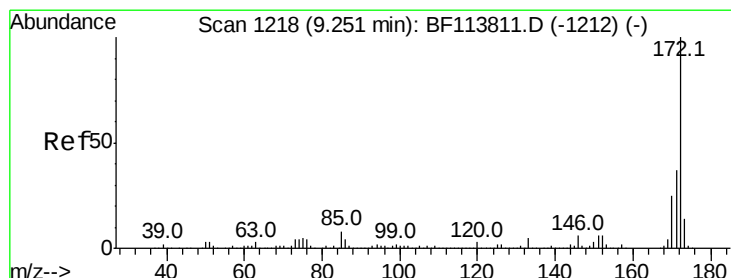
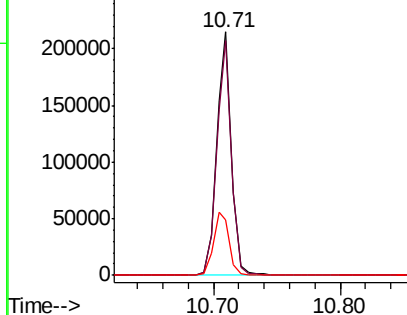
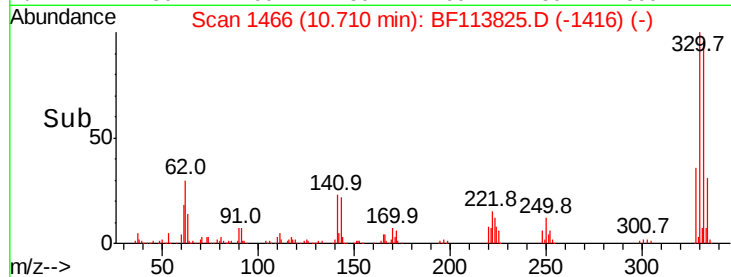
330 100

332 96.4 77.5 116.3

141 27.8 22.2 33.2



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



#45

2-Fluorobiphenyl

Concen: 51.104 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

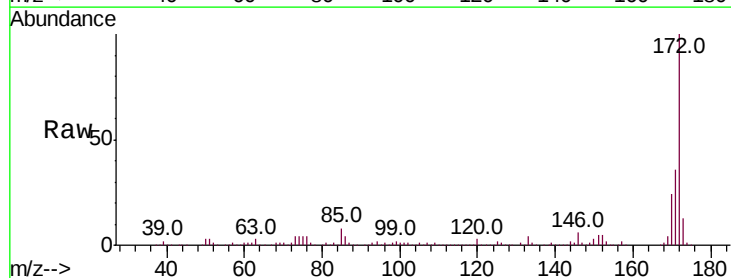
Tgt Ion:172 Resp: 819878

Ion Ratio Lower Upper

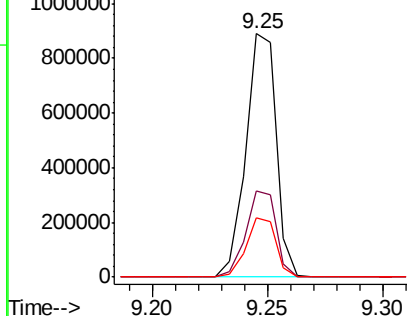
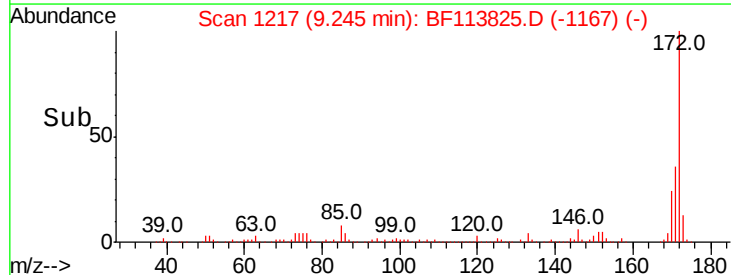
172 100

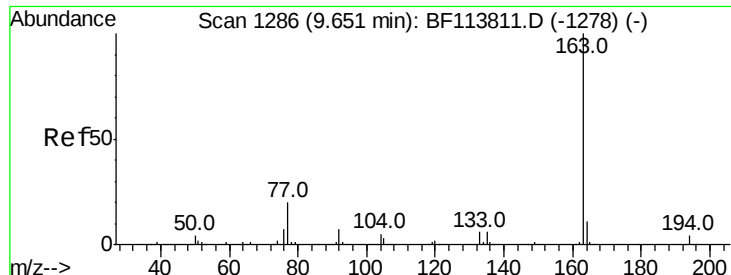
171 35.7 29.4 44.0

170 24.2 19.9 29.9



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





#50

Dimethylphthalate

Concen: 6.199 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Instrument :

BNA_F

ClientSampleId :

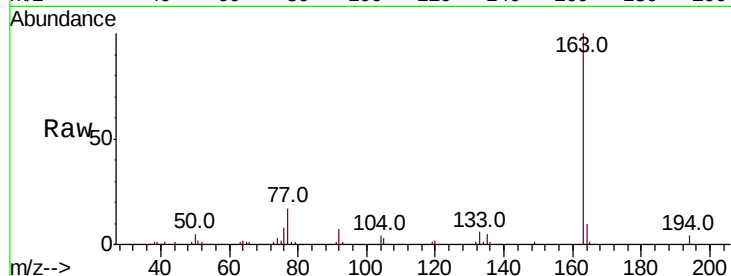
Tot Ion:163 Resp: 106136

Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

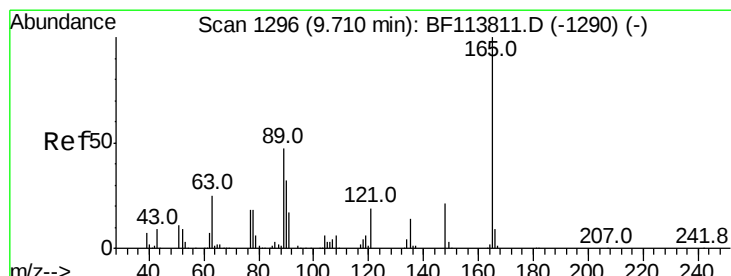
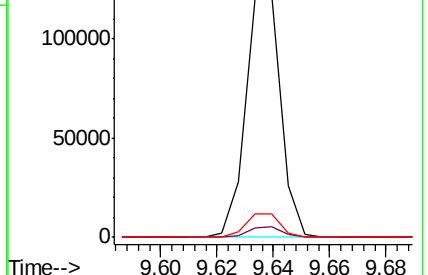
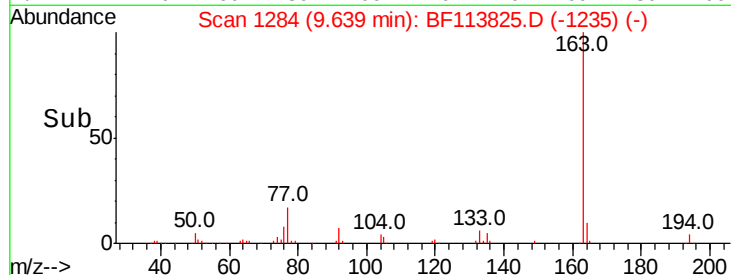
164 9.7 8.5 12.7



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



#51

2,6-Dinitrotoluene

Concen: 8.403 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

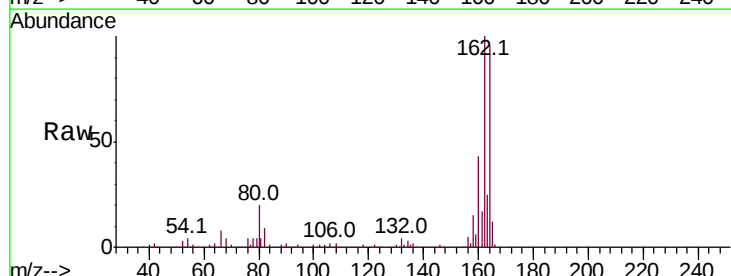
Tgt Ion:165 Resp: 31752

Ion Ratio Lower Upper

165 100

63 0.9 33.8 50.8#

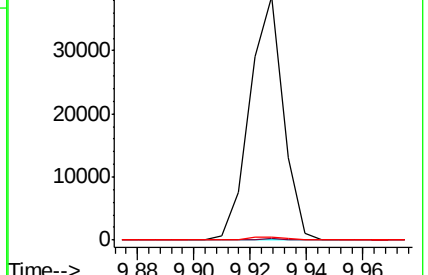
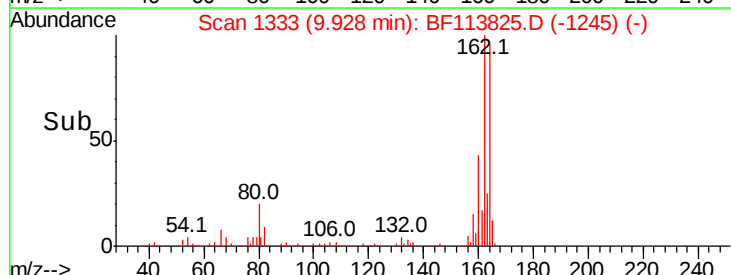
89 1.2 38.2 57.2#

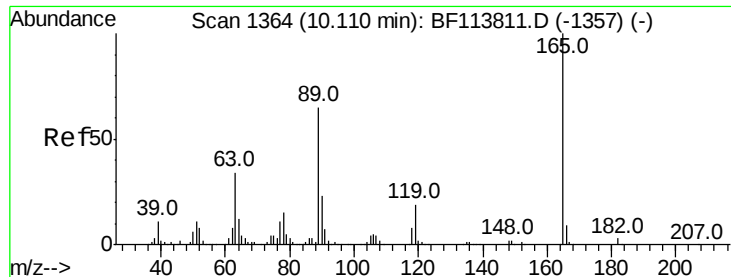


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

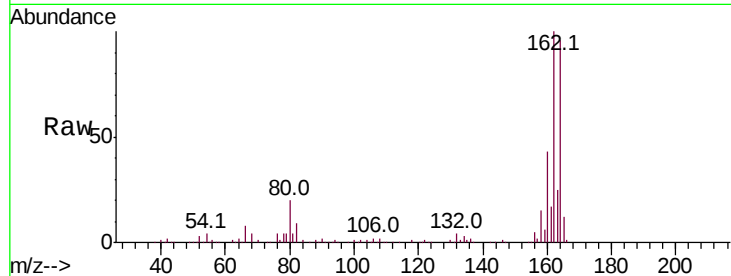




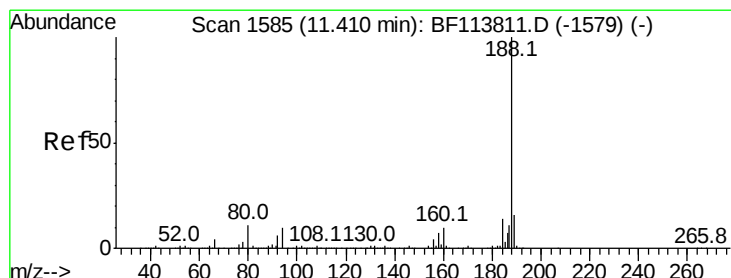
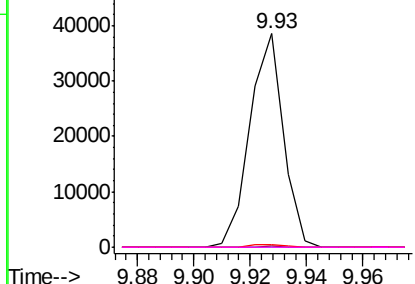
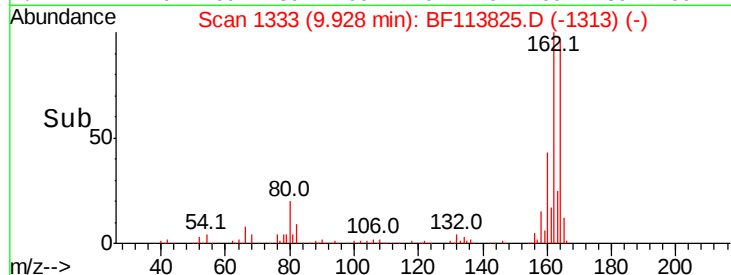
#57
 2,4-Dinitrotoluene
 Concen: 6.773 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF113825.D
 Acq: 18 Apr 2019 19:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	31752
Ion Ratio	Lower	Upper
165 100		
63 0.9	27.4	41.0#
89 1.2	51.8	77.6#
182 0.0	2.2	3.2#

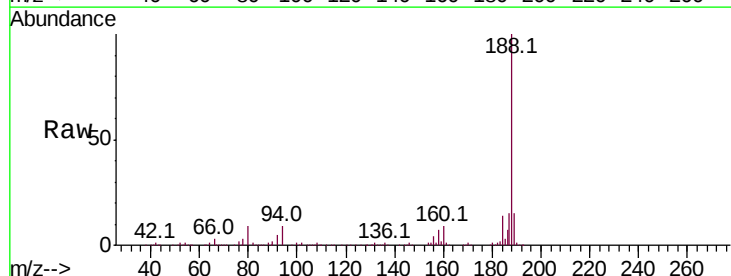


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

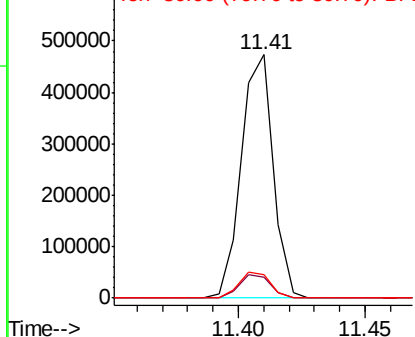
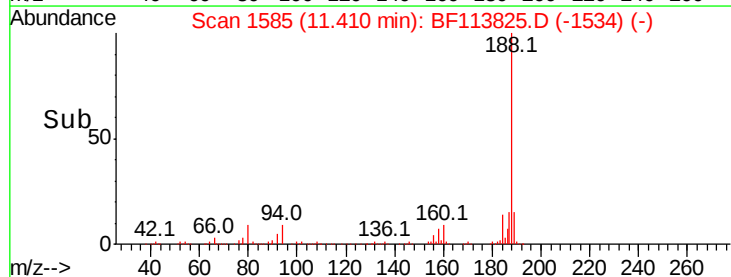


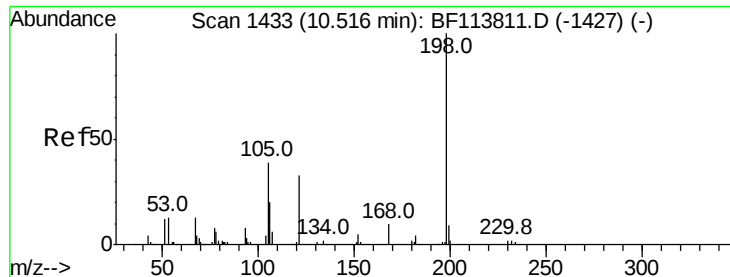
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF113825.D
 Acq: 18 Apr 2019 19:04

Tgt Ion:188	Resp:	411639
Ion Ratio	Lower	Upper
188 100		
94 8.8	8.2	12.4
80 9.4	9.0	13.6



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





#65

4,6-Dinitro-2-methylphenol

Concen: 7.042 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Instrument :

BNA_F

ClientSampleId :

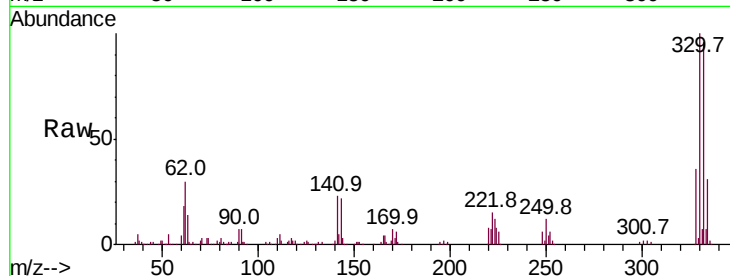
Tot Ion:198 Resp: 228

Ion Ratio Lower Upper

198 100

51 168.3 11.1 51.1#

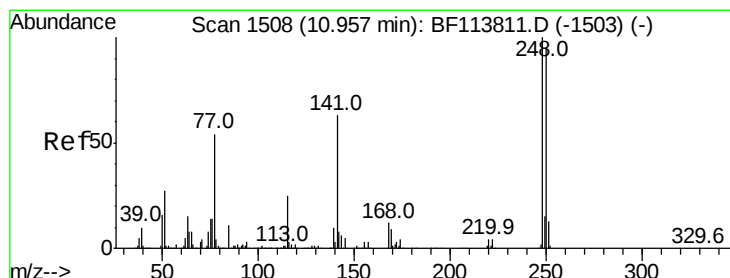
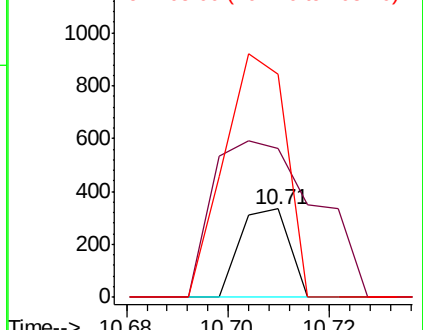
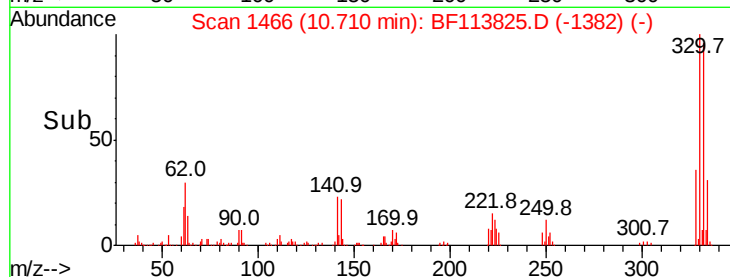
105 253.0 20.7 60.7#



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



#67

4-Bromophenyl-phenylether

Concen: 2.242 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

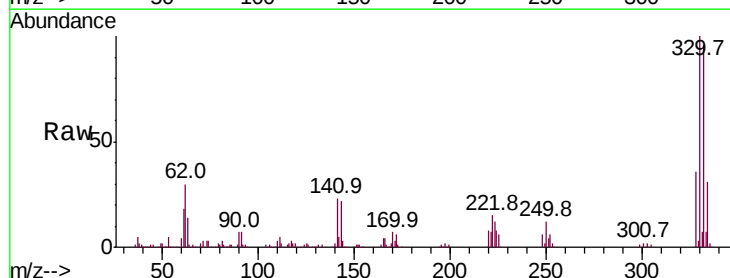
Tgt Ion:248 Resp: 10836

Ion Ratio Lower Upper

248 100

250 204.7 75.8 113.6#

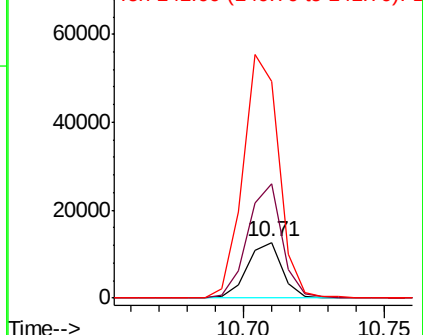
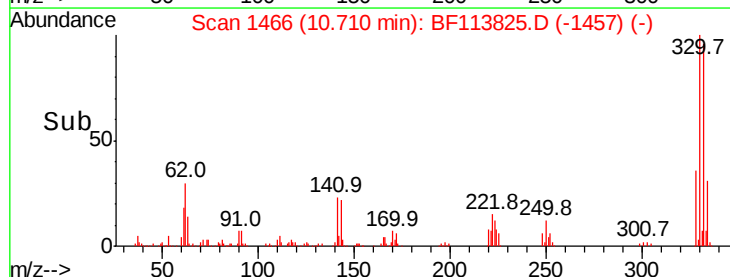
141 388.2 50.2 75.4#

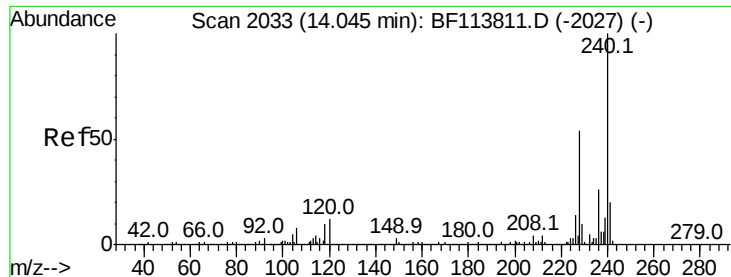


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Instrument :

BNA_F

ClientSampleId :

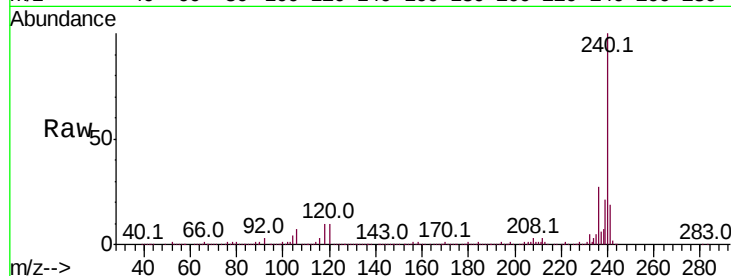
Tot Ion:240 Resp: 455006

Ion Ratio Lower Upper

240 100

120 10.4 9.3 13.9

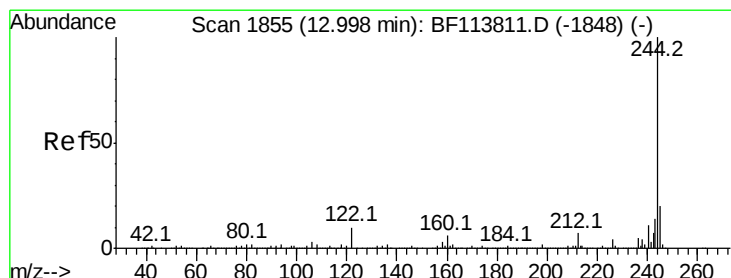
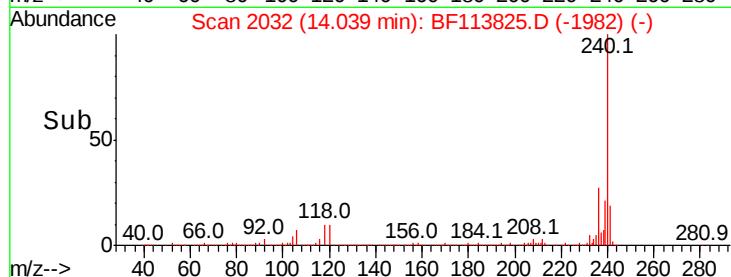
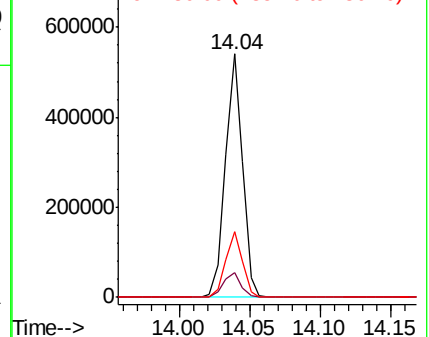
236 26.9 21.2 31.8



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



#79

Terphenyl-d14

Concen: 39.676 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.01 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

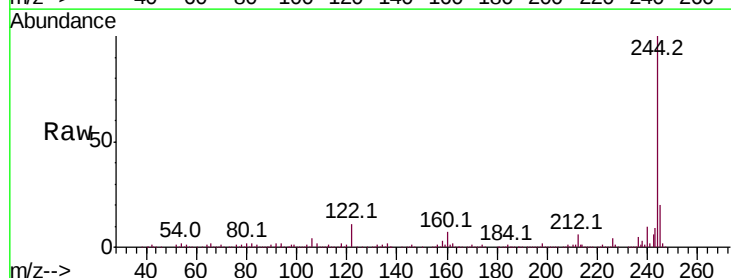
Tgt Ion:244 Resp: 860907

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.2

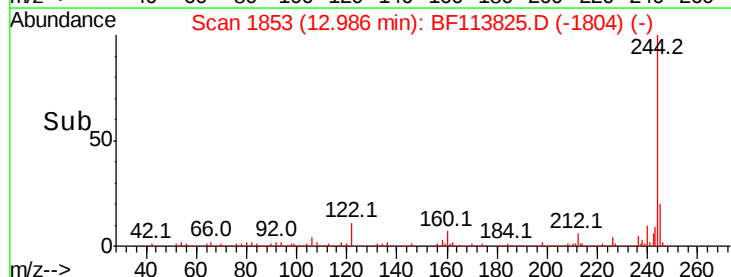
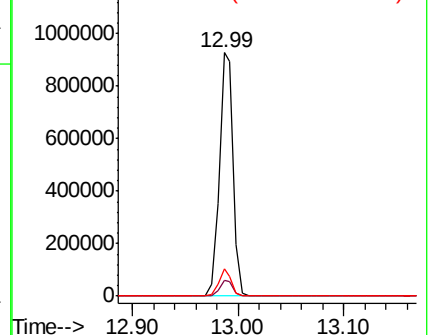
122 11.1 7.6 11.4

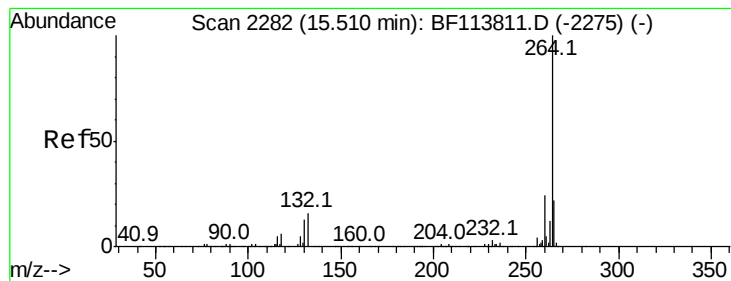


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.00 min

Lab File: BF113825.D

Acq: 18 Apr 2019 19:04

Instrument :

BNA_F

ClientSampleId :

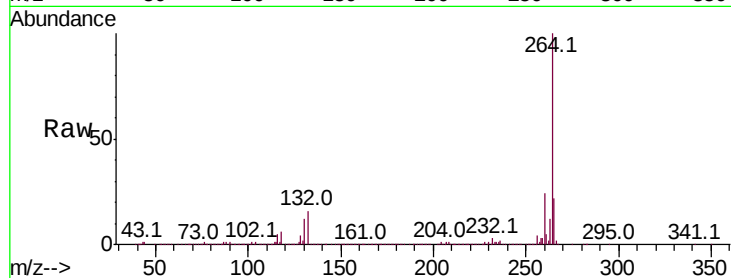
Tot Ion:264 Resp: 565871

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

265 21.6 17.3 25.9



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

