

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113828.D
 Acq On : 18 Apr 2019 20:31
 Operator : JU/SJ
 Sample : K2444-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:07:52 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	159769	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	563963	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	255436	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	461480	20.00	ng	0.00
76) Chrysene-d12	14.04	240	494734	20.00	ng	0.00
87) Perylene-d12	15.51	264	578504	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.51	112	721511	75.09	ng	0.00
7) Phenol-d6	6.51	99	896123	74.79	ng	0.00
23) Nitrobenzene-d5	7.45	82	504878	54.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	211205	74.84	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	939335	56.08	ng	0.00
79) Terphenyl-d14	12.99	244	1046438	44.35	ng	0.00

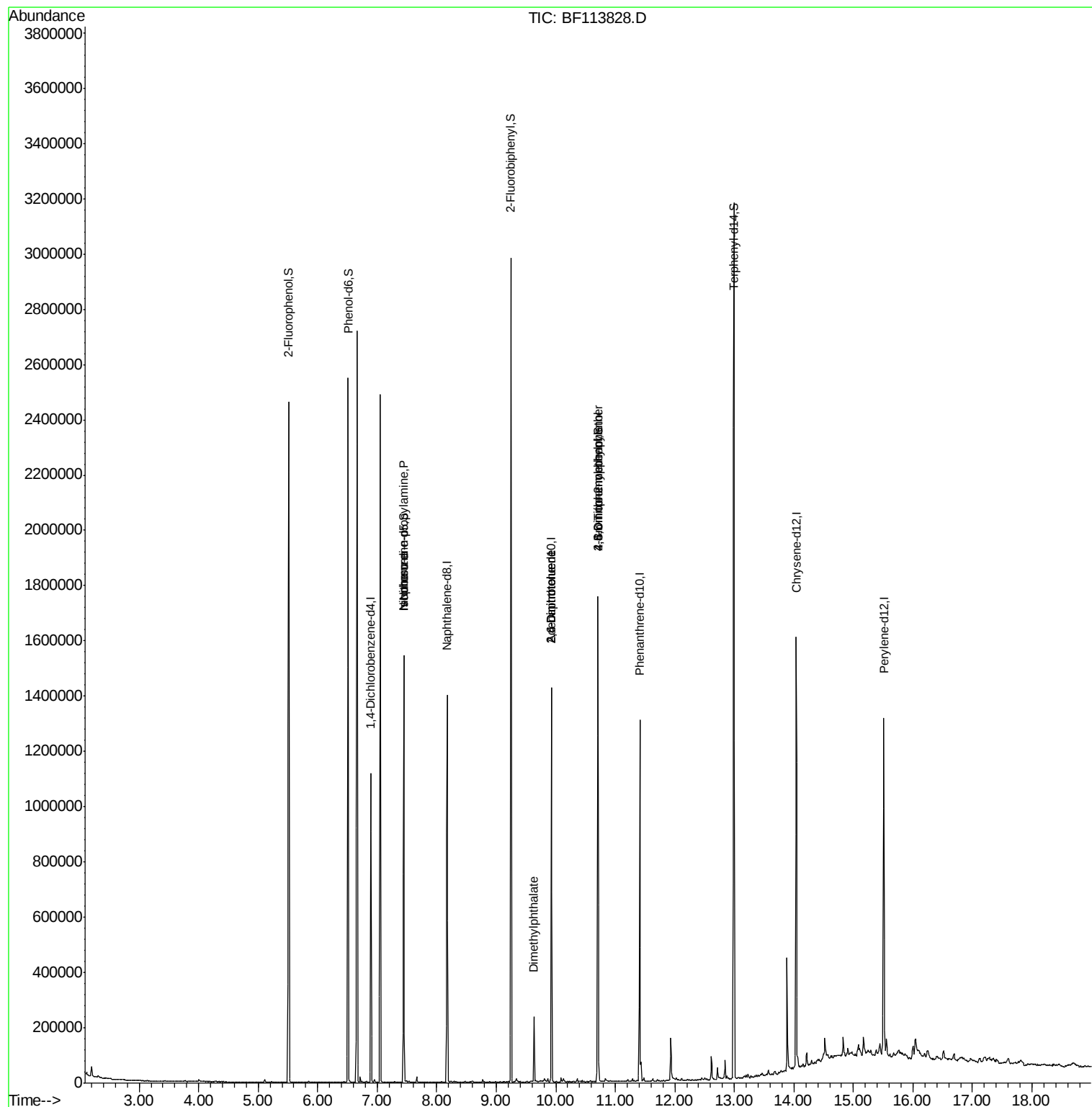
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	1371	Below Cal	#	3
19) n-Nitroso-di-n-propylamine	7.45	70	68253	8.534	ng	# 80
25) Isophorone	7.45	82	504867	26.330	ng	# 65
50) Dimethylphthalate	9.64	163	96132	5.378	ng	# 98
51) 2,6-Dinitrotoluene	9.93	165	33230	8.423	ng	# 33
57) 2,4-Dinitrotoluene	9.93	165	33230	6.789	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.71	198	323	7.072	ng	# 1
67) 4-Bromophenyl-phenylether	10.71	248	12748	2.352	ng	# 1

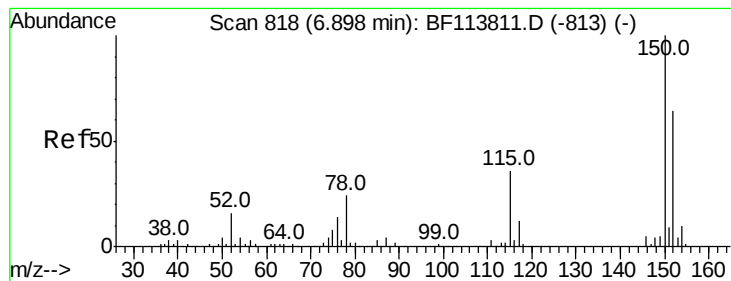
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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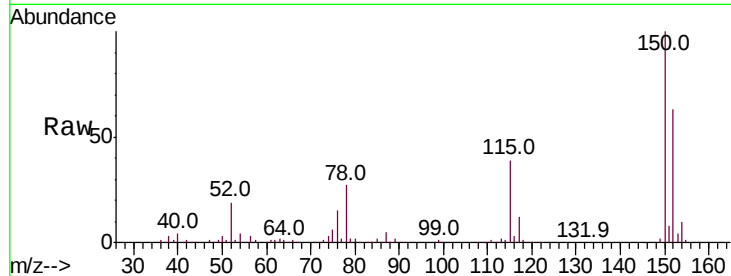


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. -0.01 min
 Lab File: BF113828.D
 Acq: 18 Apr 2019 20:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	125.9	188.9
115	61.2	45.9	68.9

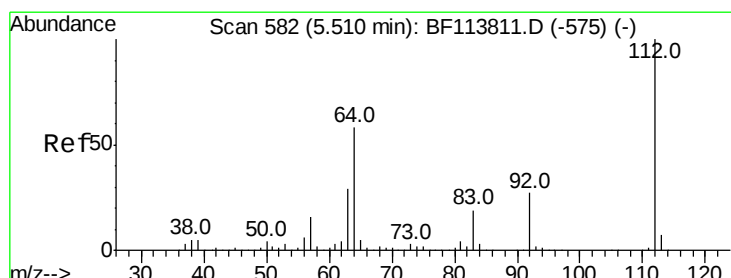
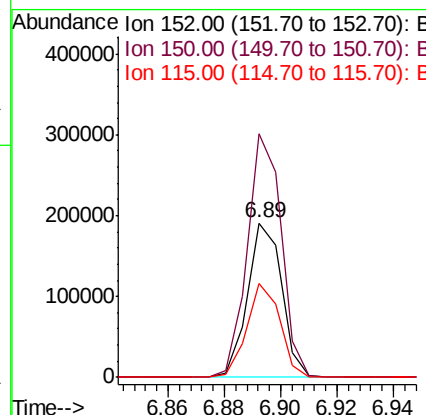
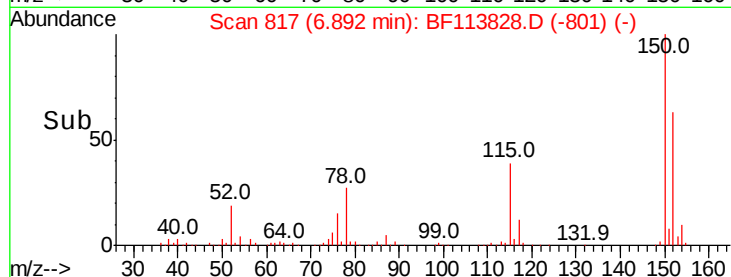


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

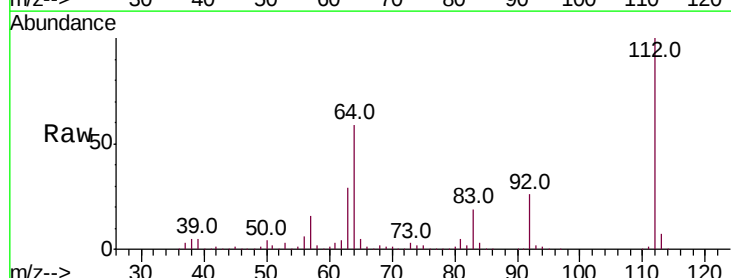
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 75.090 ng
 RT: 5.51 min Scan# 582
 Delta R.T. -0.00 min
 Lab File: BF113828.D
 Acq: 18 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.6	69.8
63	29.3	23.1	34.7

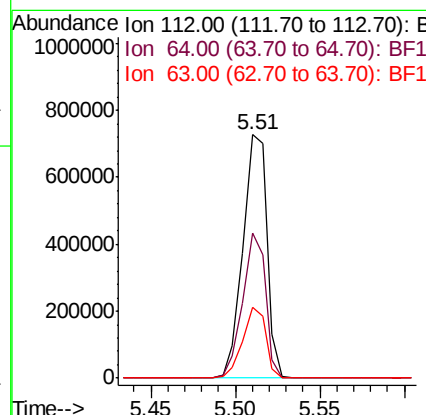
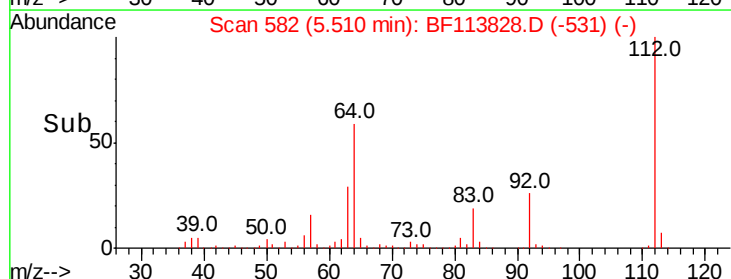


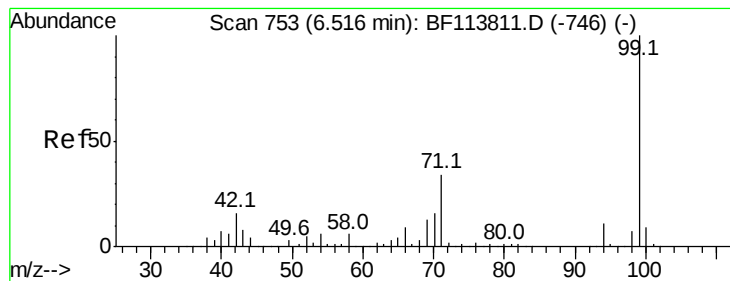
Abundance

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: 74.785 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

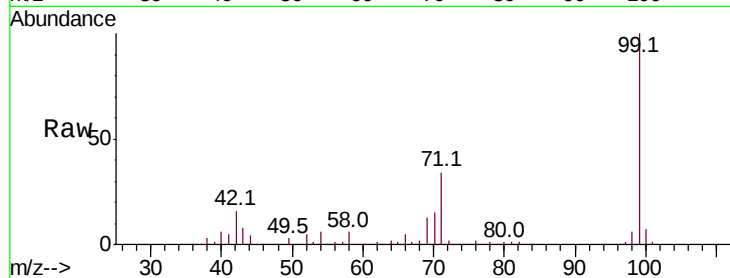
Tot Ion: 99 Resp: 896123

Ion Ratio Lower Upper

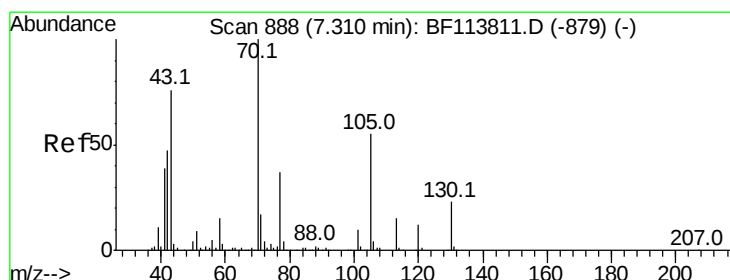
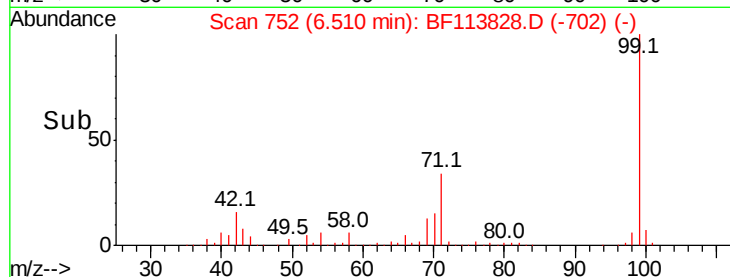
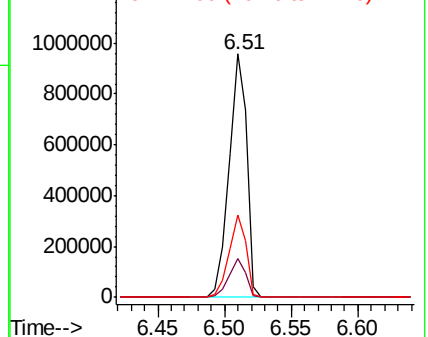
99 100

42 15.8 12.5 18.7

71 33.7 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: 8.534 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

Tgt Ion: 70 Resp: 68253

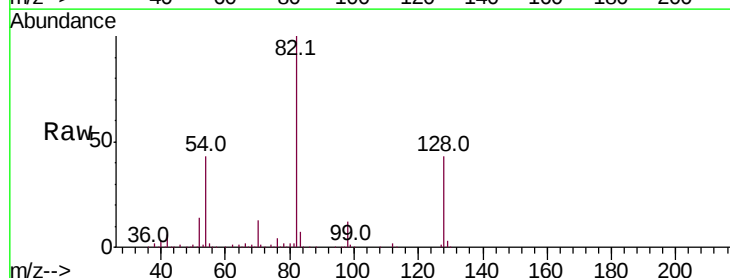
Ion Ratio Lower Upper

70 100

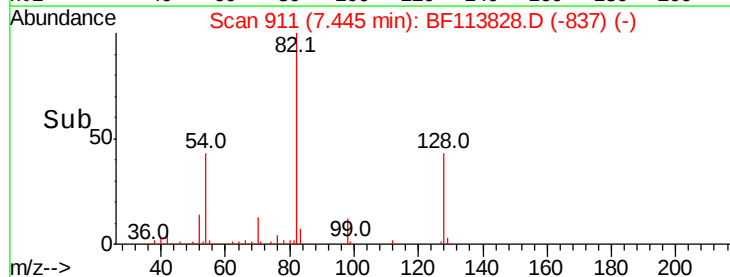
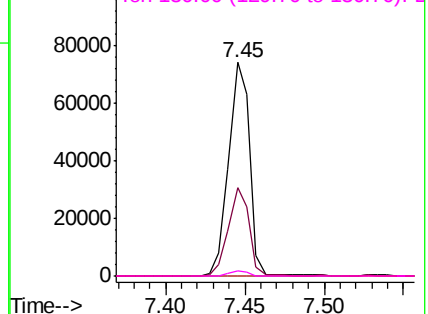
42 41.5 37.3 55.9

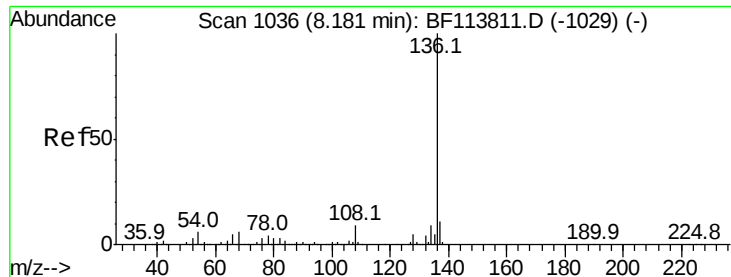
101 0.0 7.8 11.8#

130 2.4 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): BF1
Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 563963

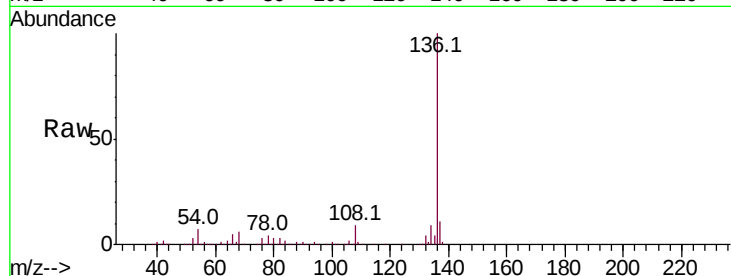
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 6.6 5.0 7.6

68 6.4 4.9 7.3

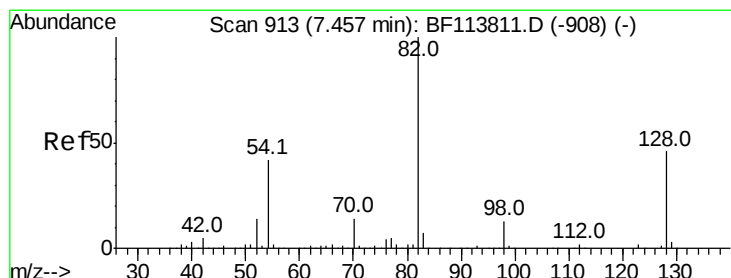
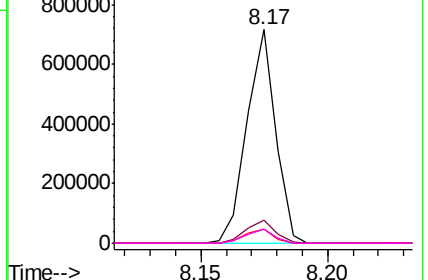
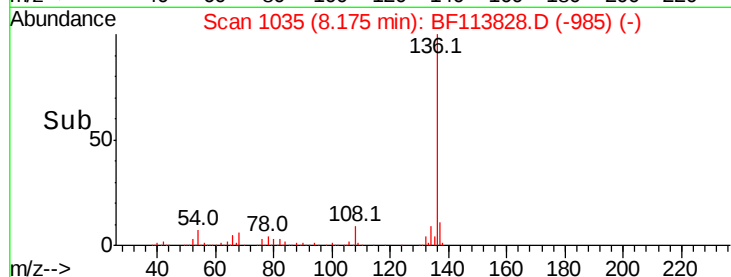


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.516 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

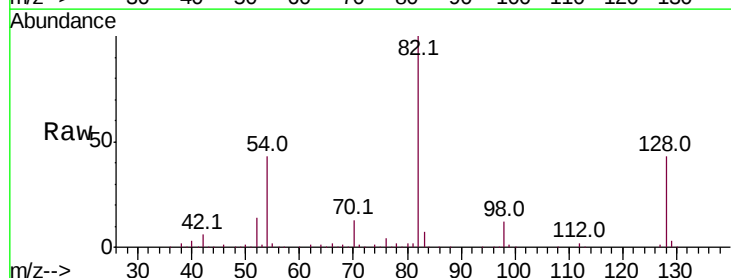
Tgt Ion: 82 Resp: 504878

Ion Ratio Lower Upper

82 100

128 43.0 36.8 55.2

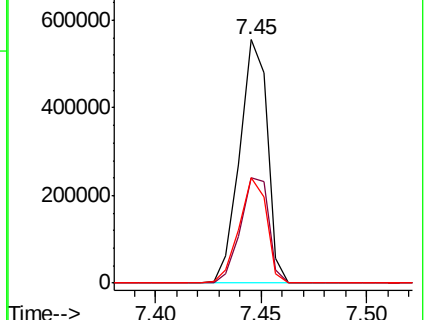
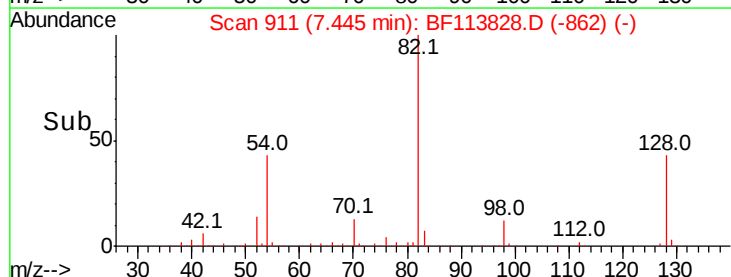
54 43.5 33.8 50.6

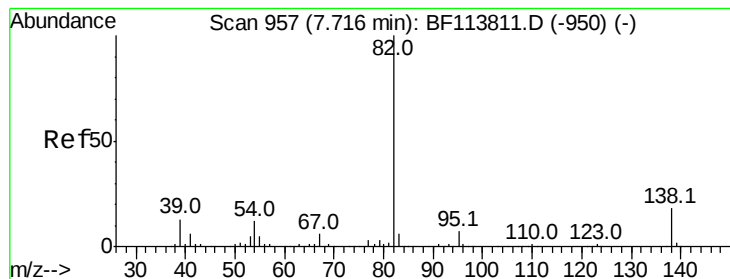


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.330 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

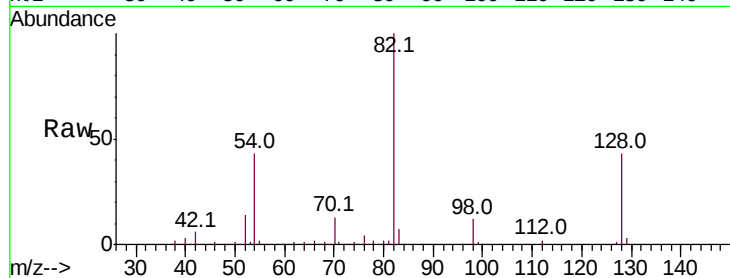
Tot Ion: 82 Resp: 504867

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

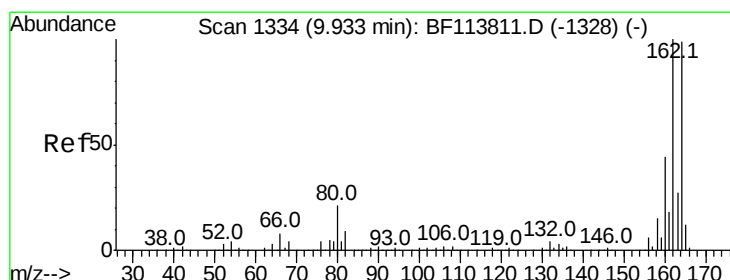
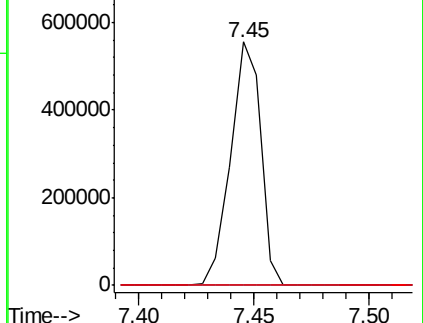
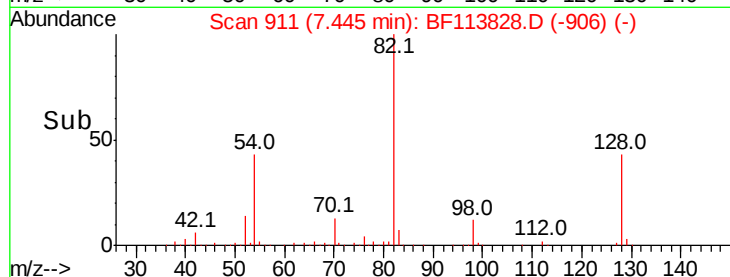
138 0.0 14.6 22.0#



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: BF113828.D

Acq: 18 Apr 2019 20:31

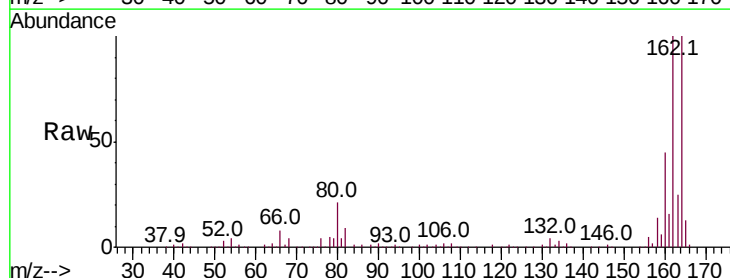
Tgt Ion:164 Resp: 255436

Ion Ratio Lower Upper

164 100

162 100.0 81.1 121.7

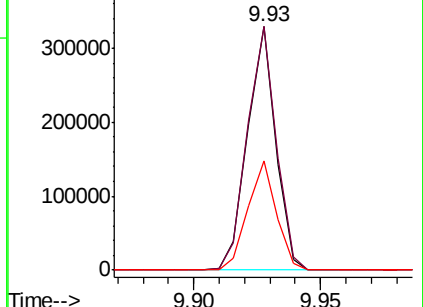
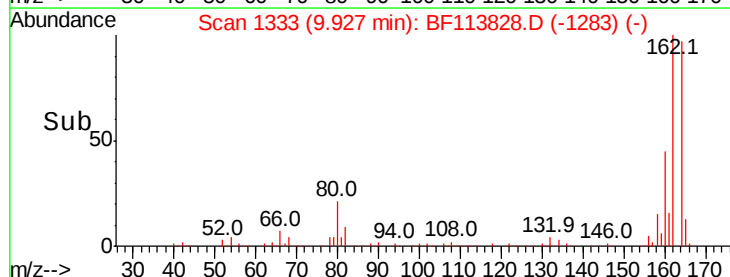
160 44.6 35.8 53.6

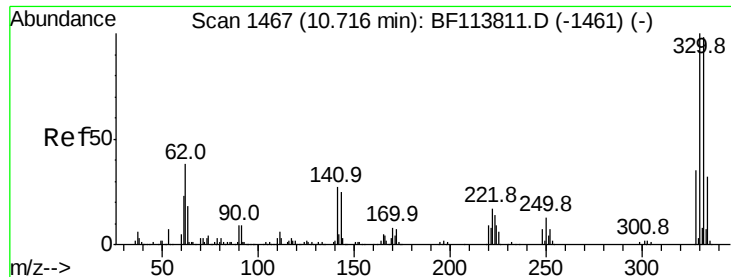


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

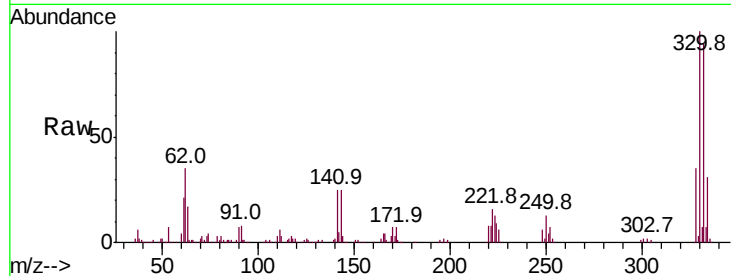




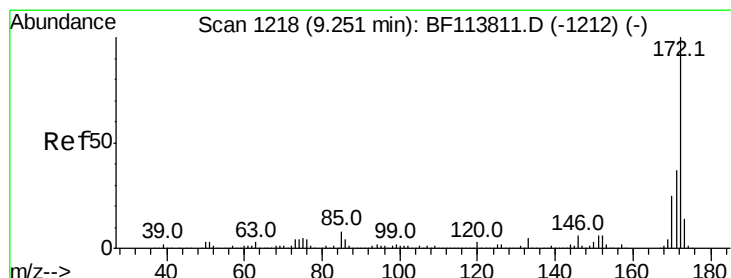
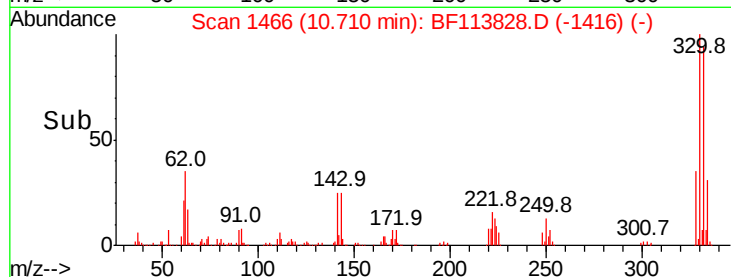
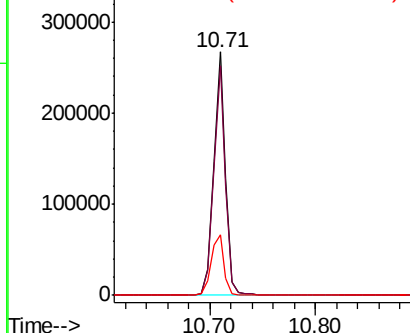
#42
 2,4,6-Tribromophenol
 Concen: 74.840 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF113828.D
 Acq: 18 Apr 2019 20:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.5	116.3
141	27.3	22.2	33.2

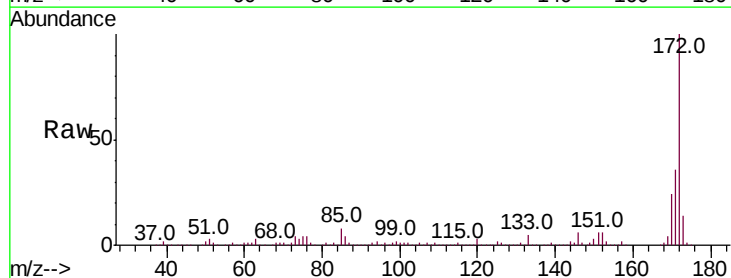


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

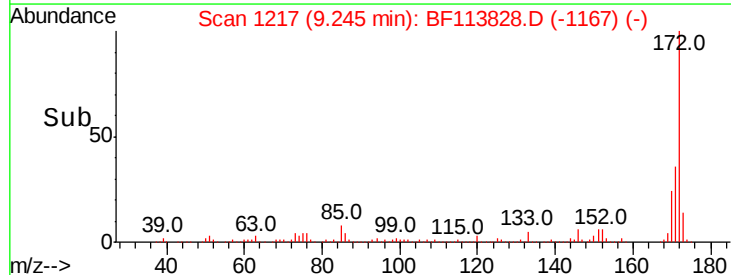
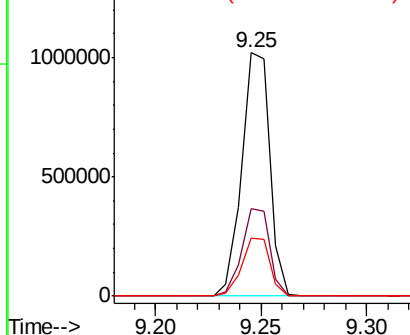


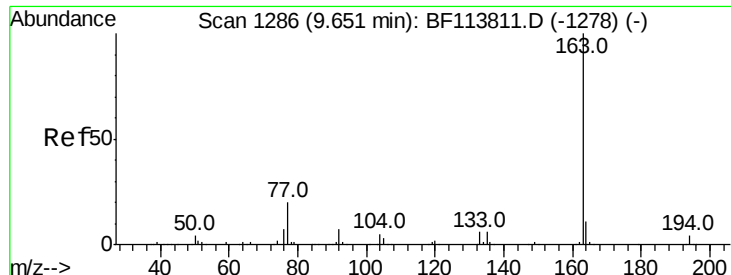
#45
 2-Fluorobiphenyl
 Concen: 56.081 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF113828.D
 Acq: 18 Apr 2019 20:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.4	44.0
170	23.9	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: 5.378 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

Instrument :

BNA_F

ClientSampled :

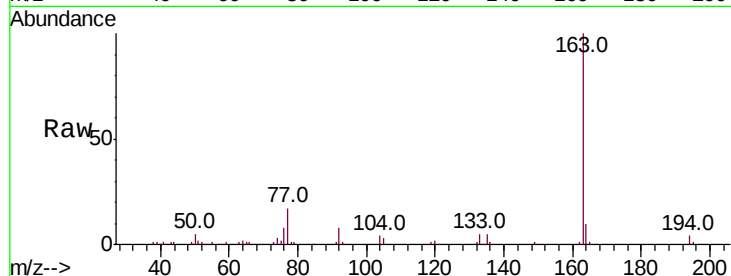
Tot Ion:163 Resp: 96132

Ion Ratio Lower Upper

163 100

194 4.0 3.4 5.2

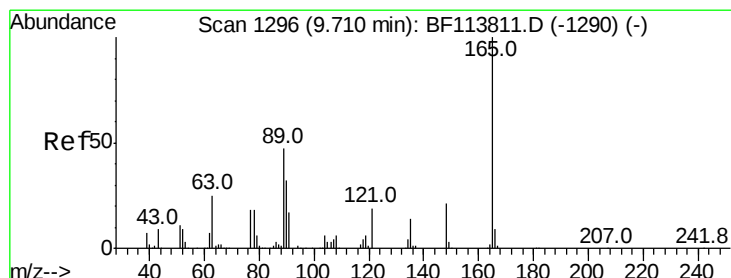
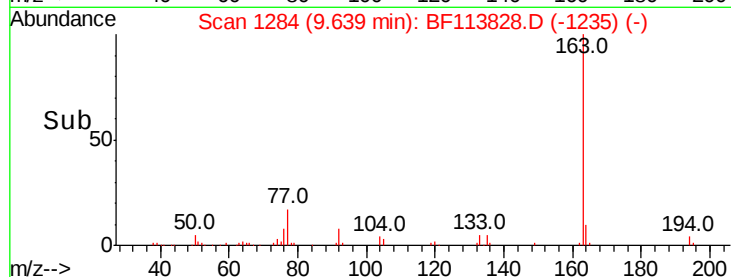
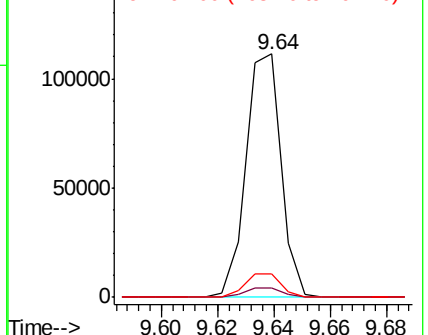
164 9.6 8.5 12.7



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: 8.423 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

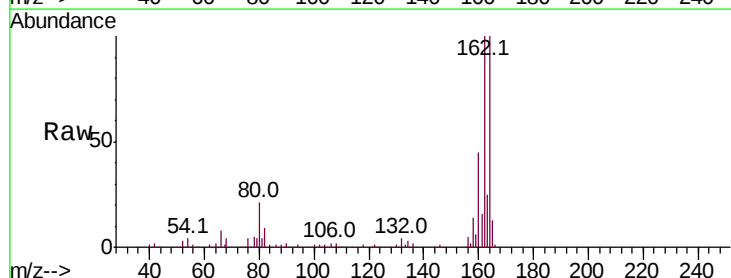
Tgt Ion:165 Resp: 33230

Ion Ratio Lower Upper

165 100

63 1.1 33.8 50.8#

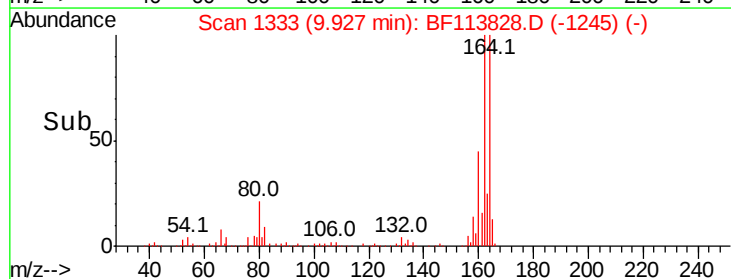
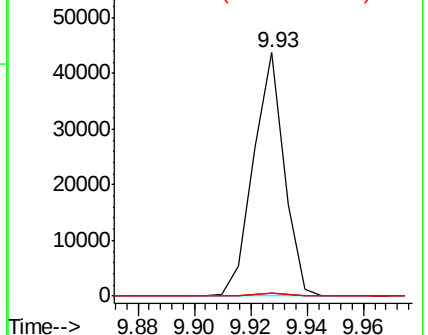
89 1.5 38.2 57.2#

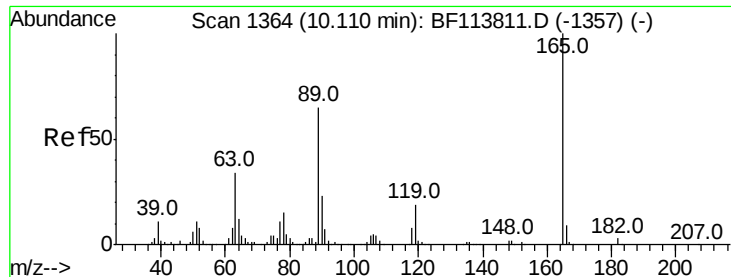


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

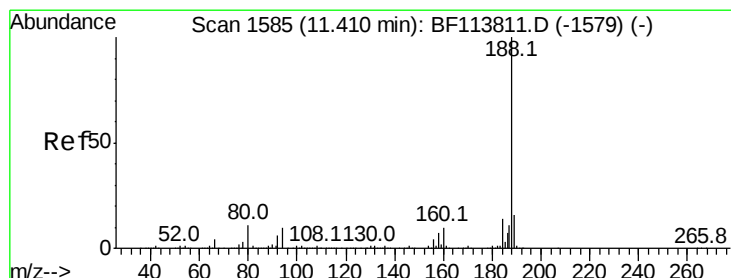
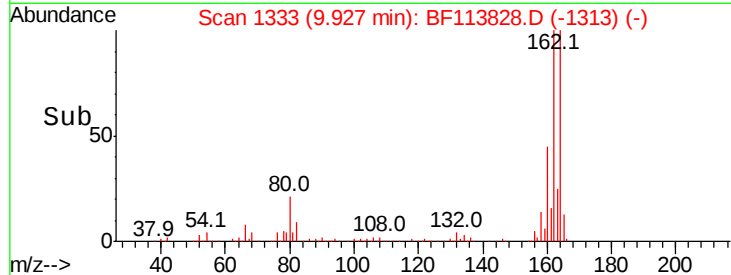
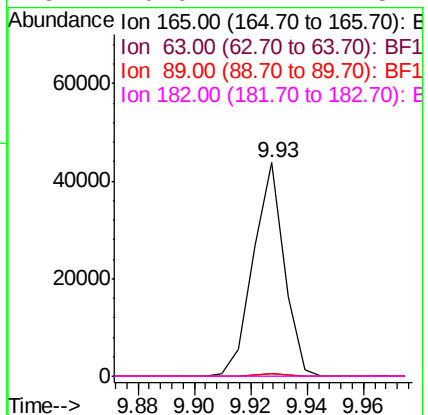
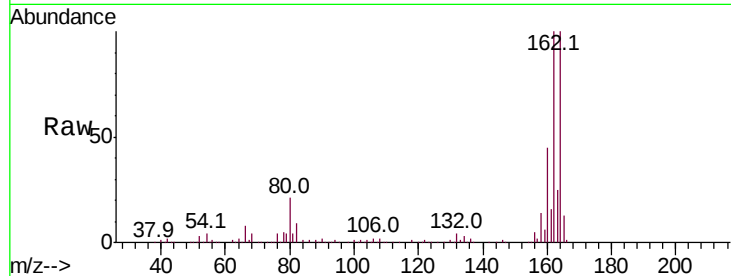




#57
 2,4-Dinitrotoluene
 Concen: 6.789 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF113828.D
 Acq: 18 Apr 2019 20:31

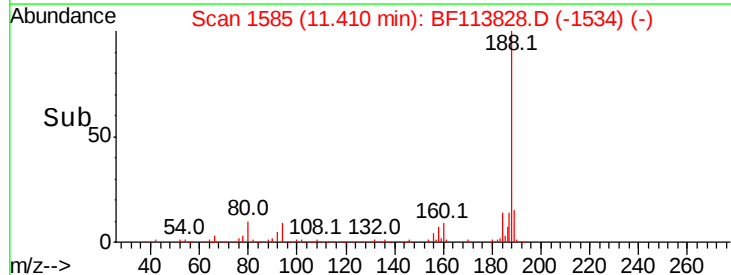
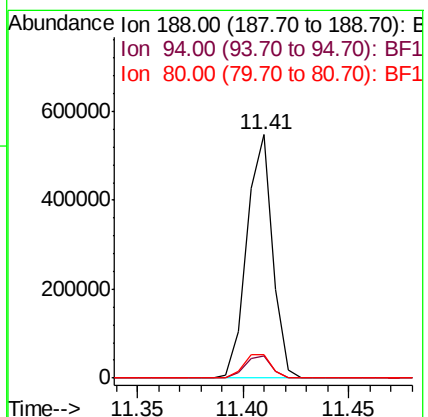
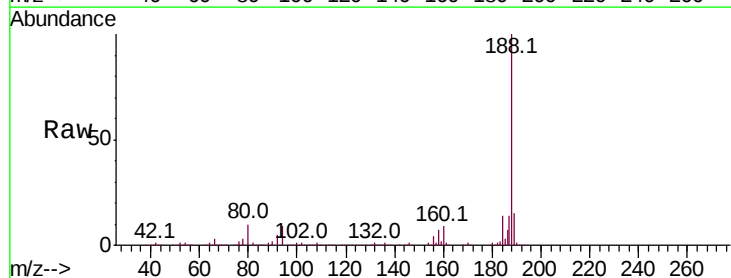
Instrument :
 BNA_F
 ClientSampleId :

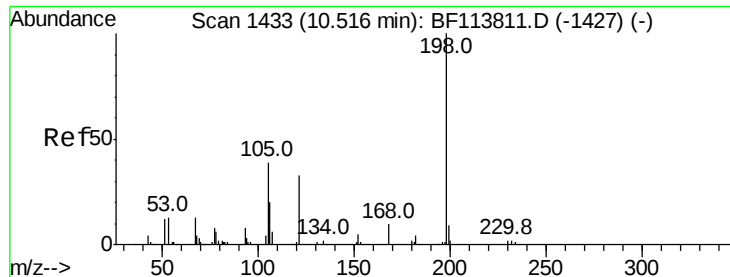
Tot Ion:165	Resp:	33230	
Ion Ratio	Lower	Upper	
165 100			
63 1.1	27.4	41.0#	
89 1.5	51.8	77.6#	
182 0.0	2.2	3.2#	



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF113828.D
 Acq: 18 Apr 2019 20:31

Tgt	Ion:188	Resp:	461480
Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.2	12.4
80	9.6	9.0	13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 7.072 ng

RT: 10.71 min Scan# 1466

Delta R.T. 0.19 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

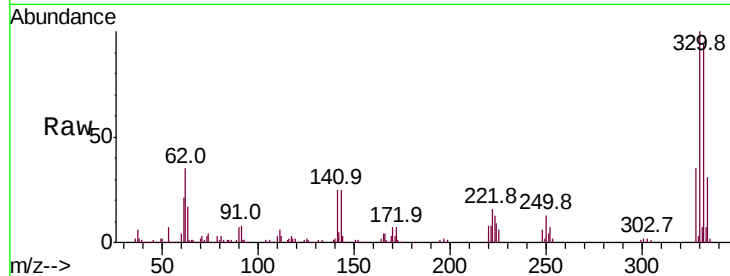
Tot Ion:198 Resp: 323

Ion Ratio Lower Upper

198 100

51 168.1 11.1 51.1#

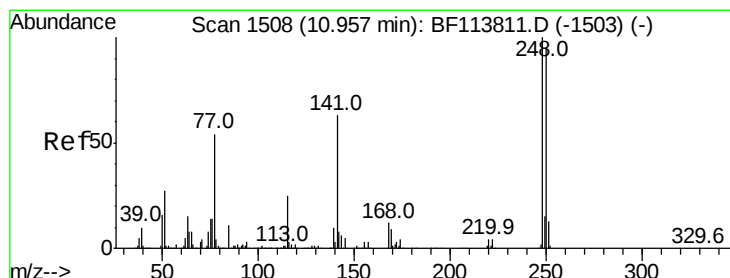
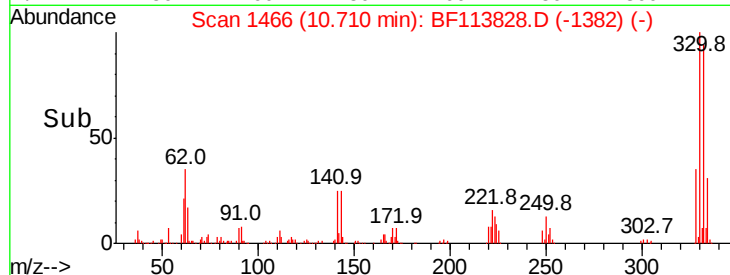
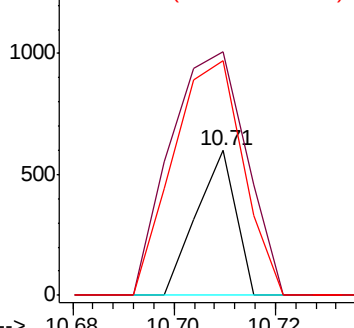
105 161.8 20.7 60.7#



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: 2.352 ng

RT: 10.71 min Scan# 1466

Delta R.T. -0.25 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

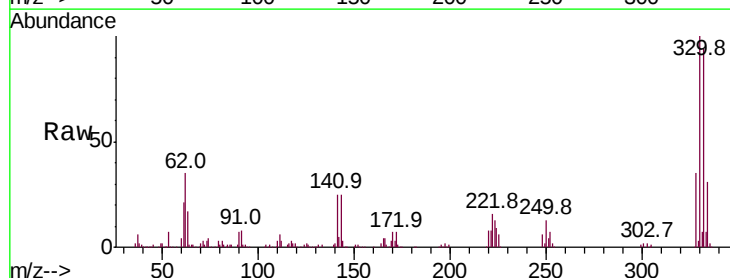
Tgt Ion:248 Resp: 12748

Ion Ratio Lower Upper

248 100

250 200.0 75.8 113.6#

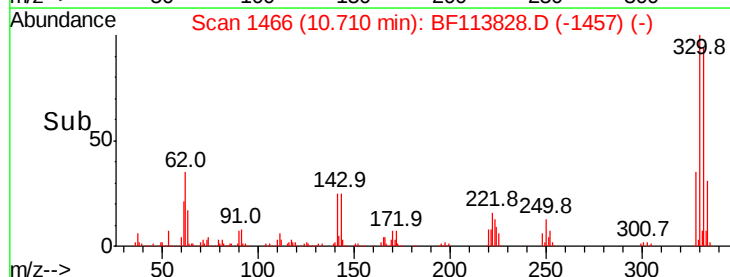
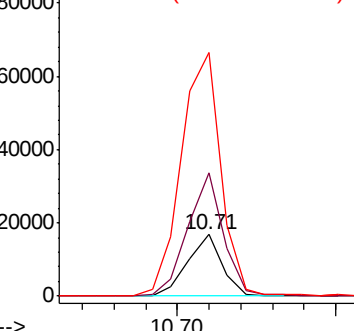
141 395.5 50.2 75.4#

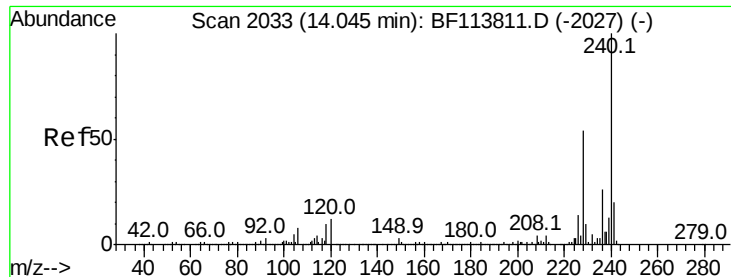


Abundance Ion 248.00 (247.70 to 248.70): E

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: BF113828.D

Acq: 18 Apr 2019 20:31

Instrument :

BNA_F

ClientSampleId :

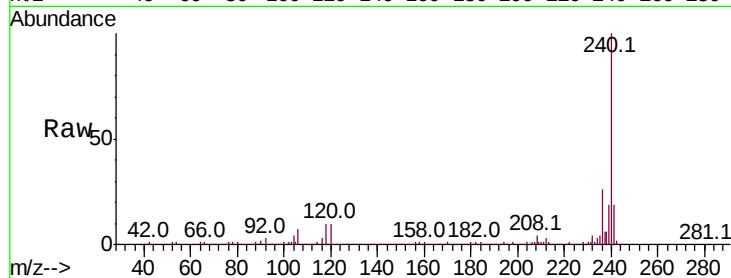
Tot Ion:240 Resp: 494734

Ion Ratio Lower Upper

240 100

120 10.4 9.3 13.9

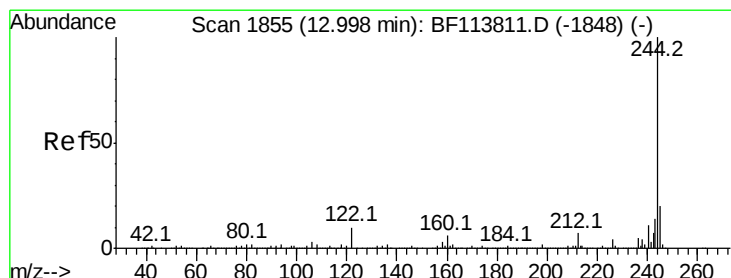
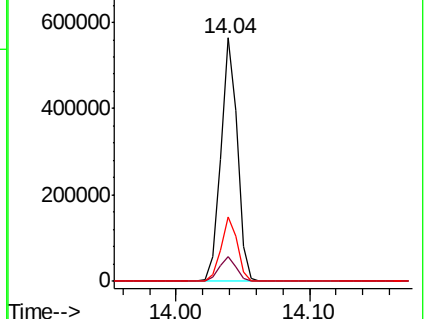
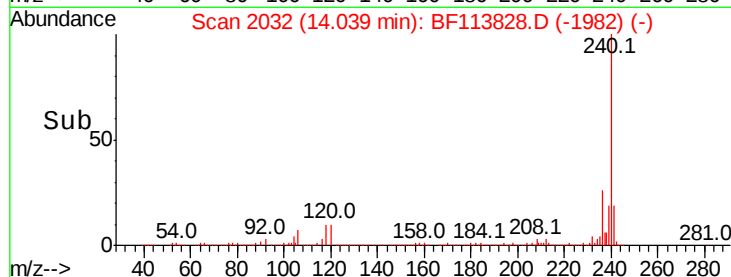
236 26.3 21.2 31.8



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: 44.354 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113828.D

Acq: 18 Apr 2019 20:31

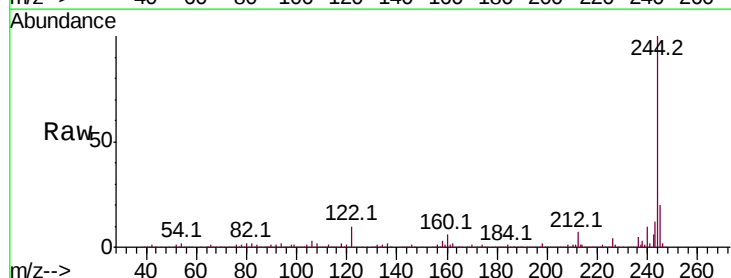
Tgt Ion:244 Resp: 1046438

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

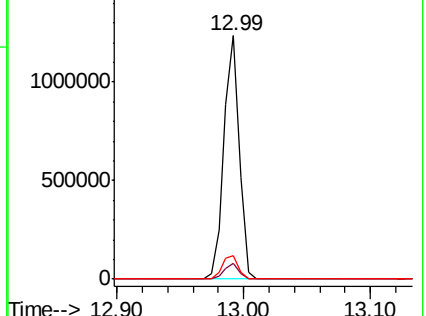
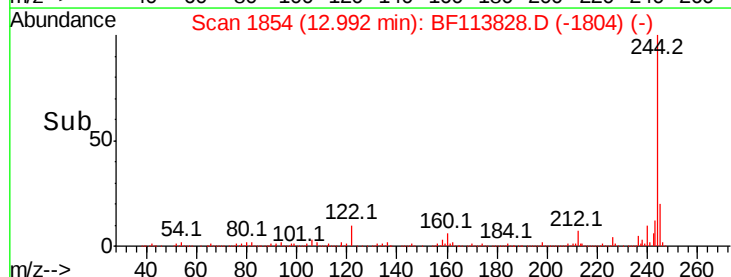
122 9.7 7.6 11.4

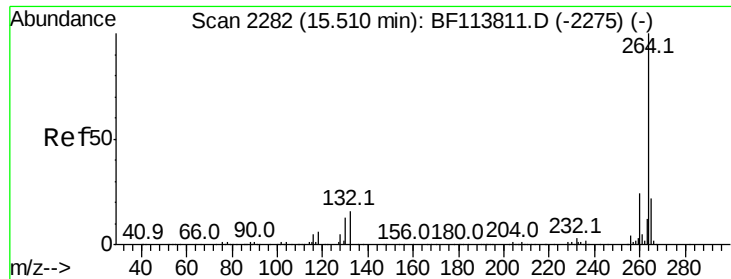


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

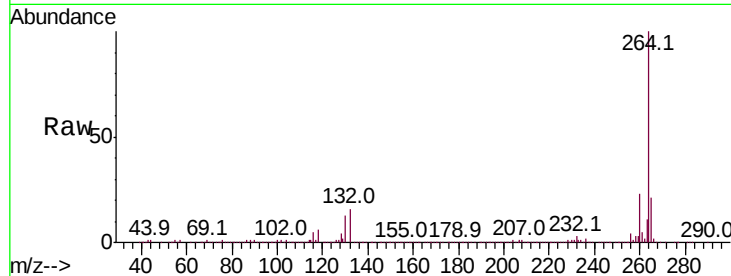




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BF113828.D
Acq: 18 Apr 2019 20:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.9	28.3
265	21.4	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

