

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041819\
 Data File : BF113826.D
 Acq On : 18 Apr 2019 19:33
 Operator : JU/SJ
 Sample : K2436-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 02:07:35 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

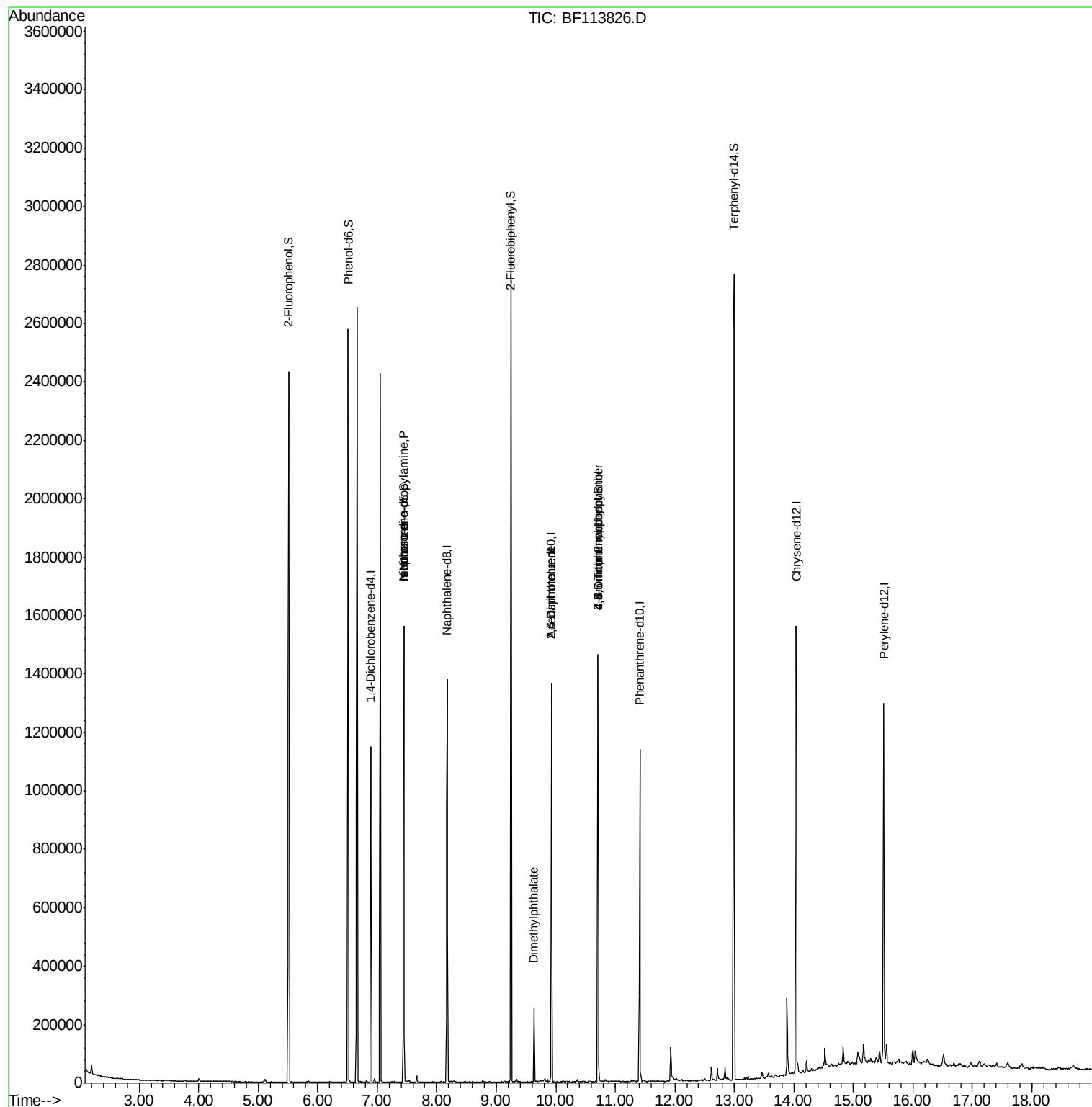
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	160970	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	554565	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	242739	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	410563	20.00	ng	0.00
76) Chrysene-d12	14.04	240	461283	20.00	ng	0.00
87) Perylene-d12	15.51	264	563048	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	702799	72.60	ng	0.00
7) Phenol-d6	6.51	99	866462	71.77	ng	0.00
23) Nitrobenzene-d5	7.45	82	496489	54.52	ng	-0.01
42) 2,4,6-Tribromophenol	10.71	330	185369	69.12	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	934000	58.68	ng	0.00
79) Terphenyl-d14	12.99	244	986296	44.84	ng	0.00
Target Compounds						
9) Benzaldehyde	6.51	77	1274	Below Cal	Qvalue	# 3
19) n-Nitroso-di-n-propylamine	7.45	70	66918	8.304 ng	#	81
25) Isophorone	7.45	82	496477	26.331 ng	#	65
50) Dimethylphthalate	9.63	163	98329	5.788 ng	#	98
51) 2,6-Dinitrotoluene	9.93	165	30205	8.057 ng	#	34
57) 2,4-Dinitrotoluene	9.93	165	30205	6.494 ng	#	30
65) 4,6-Dinitro-2-methylphenol	10.70	198	284	7.070 ng	#	1
67) 4-Bromophenyl-phenylether	10.71	248	11101	2.302 ng	#	1

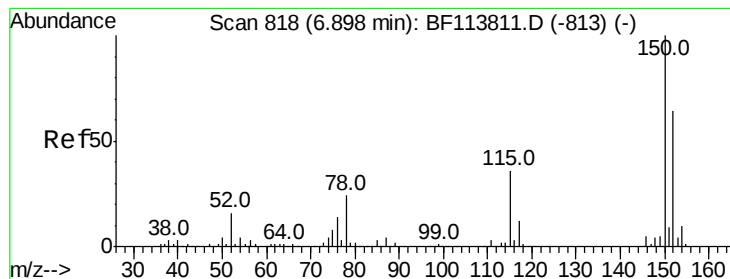
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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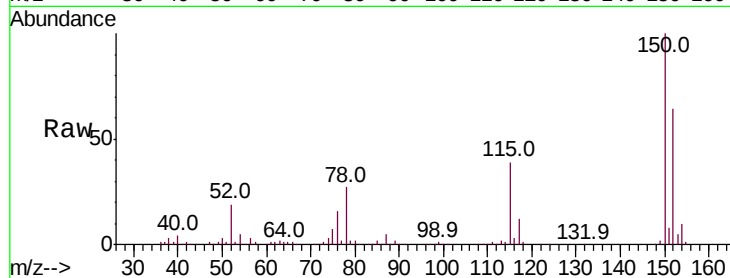


#1

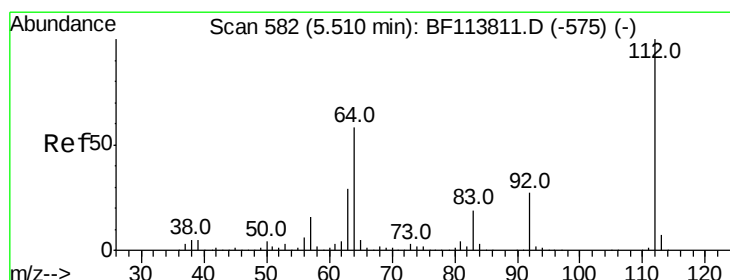
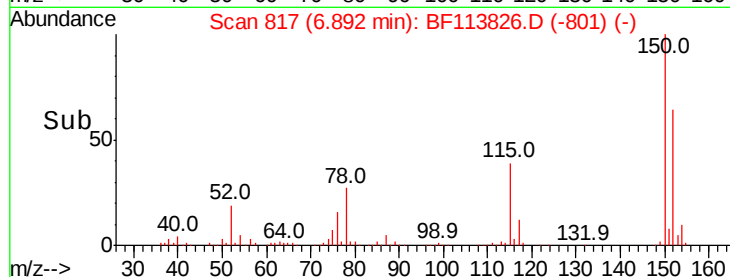
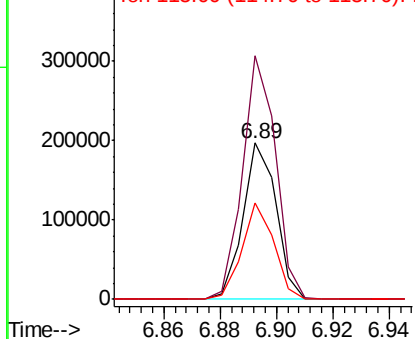
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113826.D
Acq: 18 Apr 2019 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 160970
Ion Ratio Lower Upper
152 100
150 155.9 125.9 188.9
115 61.4 45.9 68.9



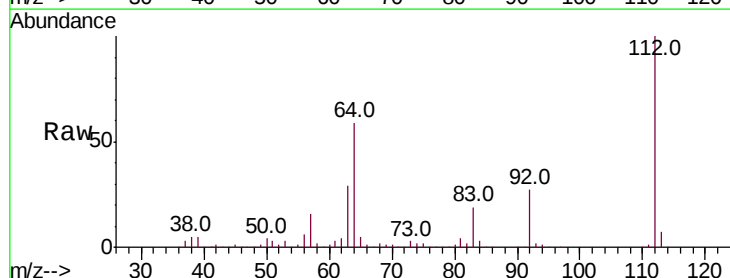
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



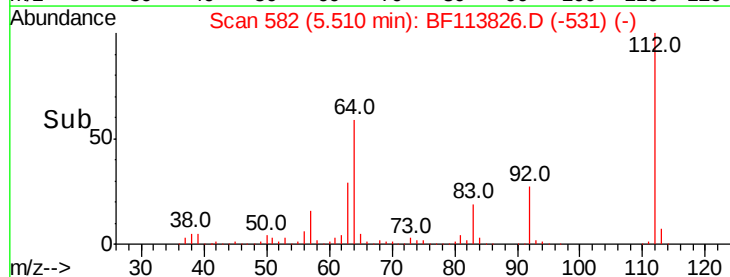
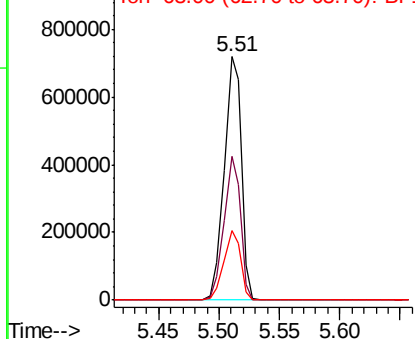
#5

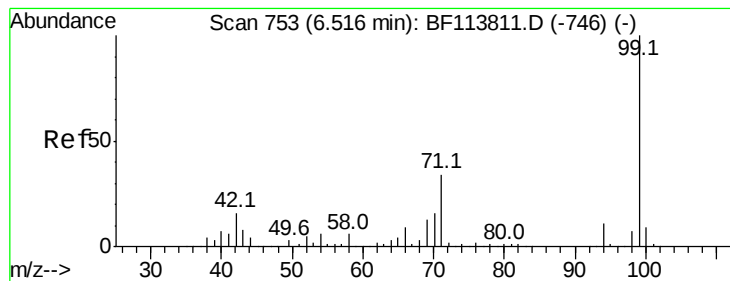
2-Fluorophenol
Concen: 72.597 ng
RT: 5.51 min Scan# 582
Delta R.T. -0.00 min
Lab File: BF113826.D
Acq: 18 Apr 2019 19:33

Tgt Ion:112 Resp: 702799
Ion Ratio Lower Upper
112 100
64 59.1 46.6 69.8
63 28.8 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: 71.770 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF113826.D

Acq: 18 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

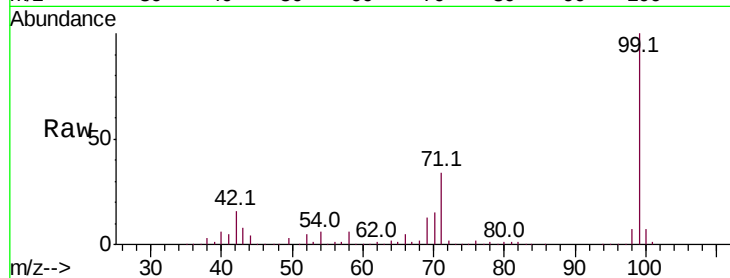
Tot Ion: 99 Resp: 866462

Ion Ratio Lower Upper

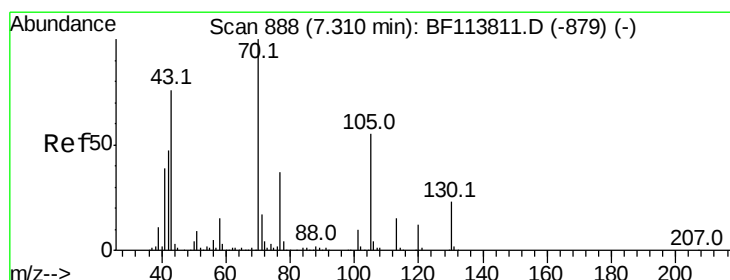
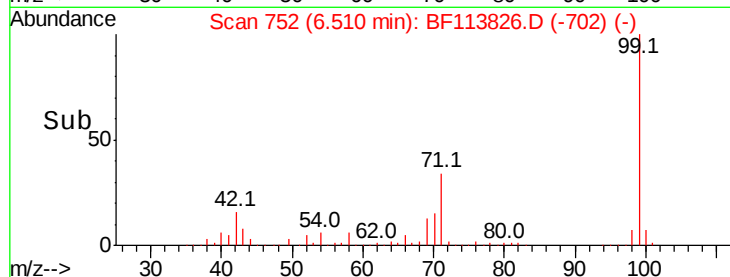
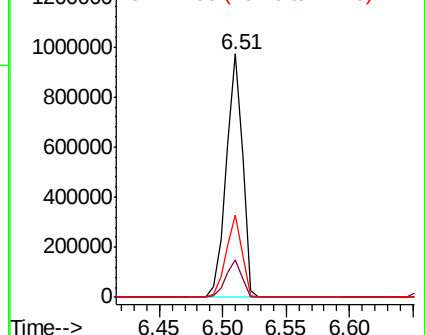
99 100

42 15.6 12.5 18.7

71 33.6 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: 8.304 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF113826.D

Acq: 18 Apr 2019 19:33

Tgt Ion: 70 Resp: 66918

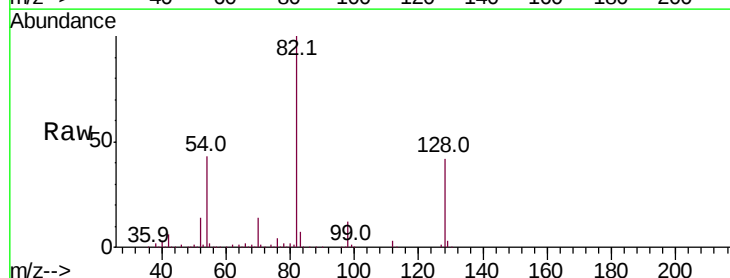
Ion Ratio Lower Upper

70 100

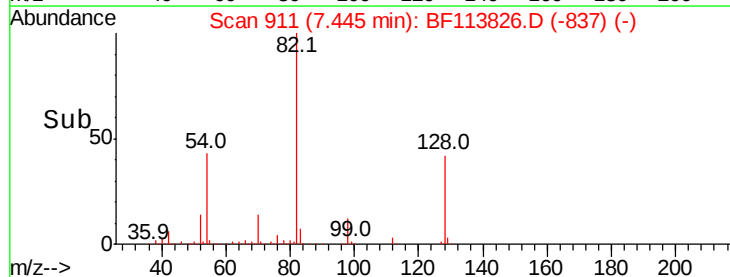
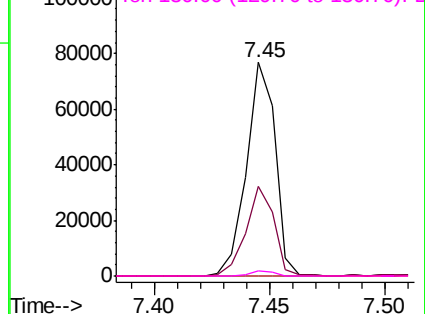
42 42.2 37.3 55.9

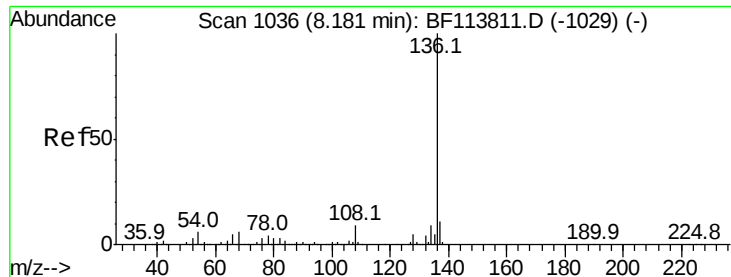
101 0.0 7.8 11.8#

130 2.3 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: BF113826.D

Acq: 18 Apr 2019 19:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 554565

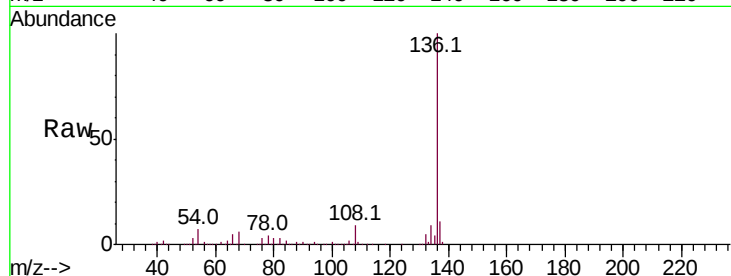
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 6.6 5.0 7.6

68 6.2 4.9 7.3

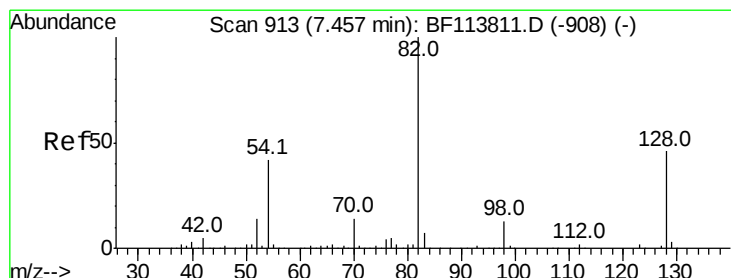
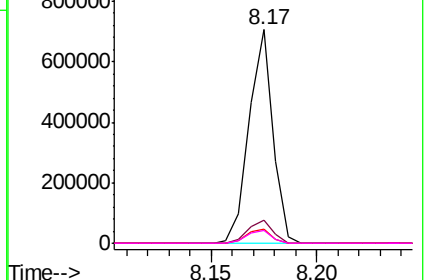
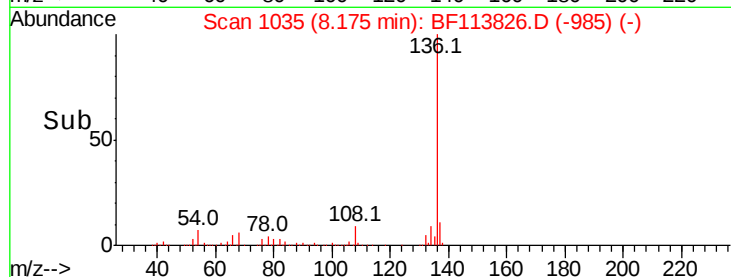


Abundance Ion 136.00 (135.70 to 136.70): E

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: 54.519 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.01 min

Lab File: BF113826.D

Acq: 18 Apr 2019 19:33

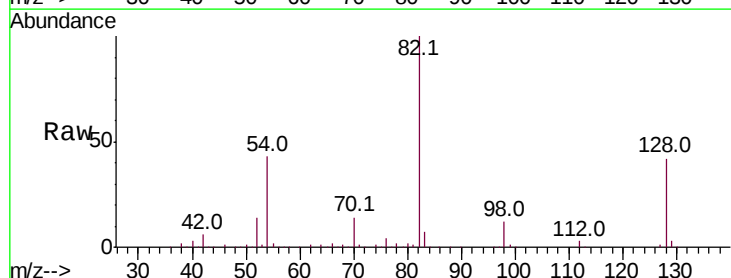
Tgt Ion: 82 Resp: 496489

Ion Ratio Lower Upper

82 100

128 42.0 36.8 55.2

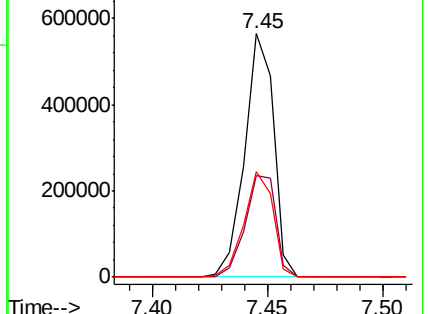
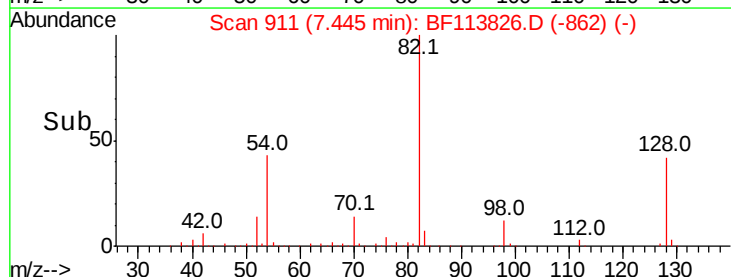
54 43.0 33.8 50.6

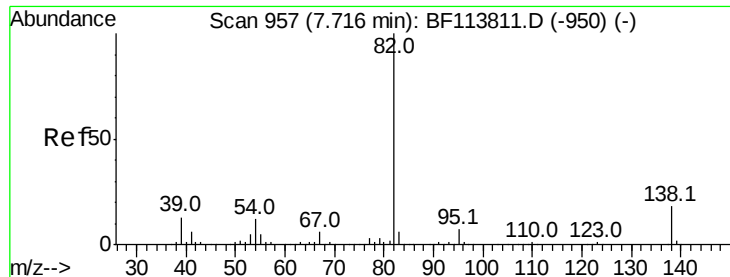


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 26.331 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF113826.D

Acq: 18 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

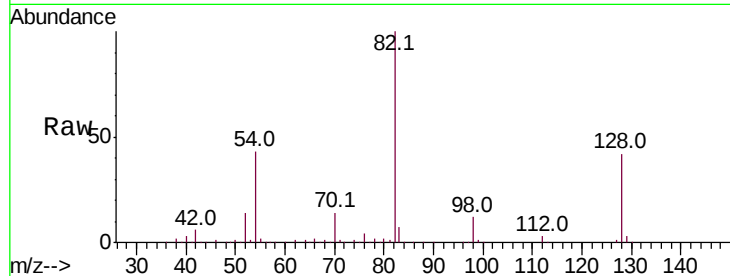
Tot Ion: 82 Resp: 496477

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

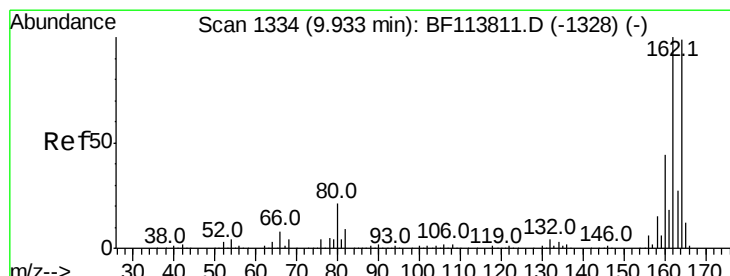
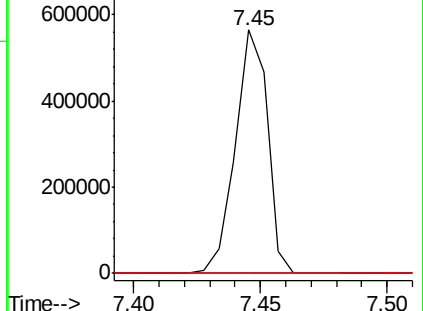
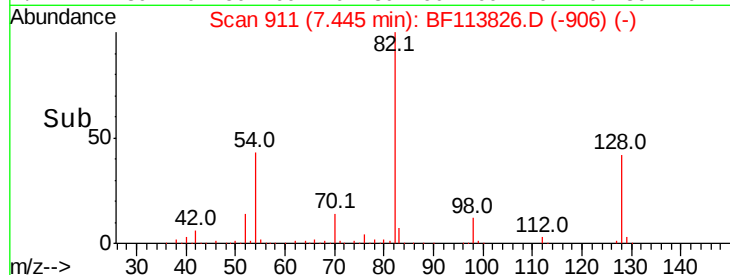
138 0.0 14.6 22.0#



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): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF113826.D

Acq: 18 Apr 2019 19:33

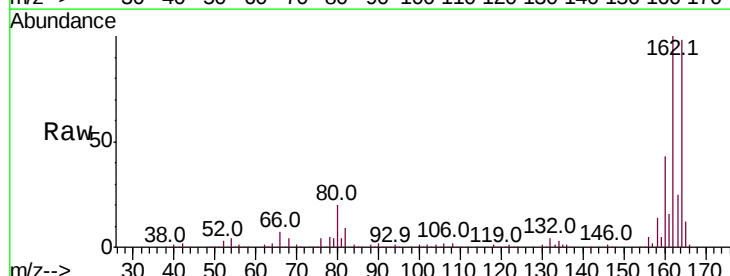
Tgt Ion: 164 Resp: 242739

Ion Ratio Lower Upper

164 100

162 102.2 81.1 121.7

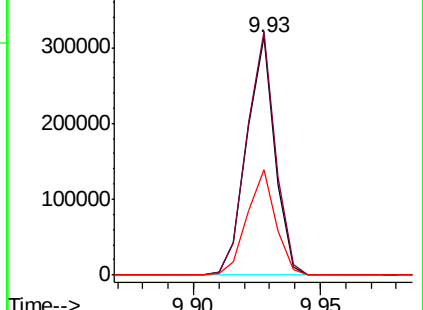
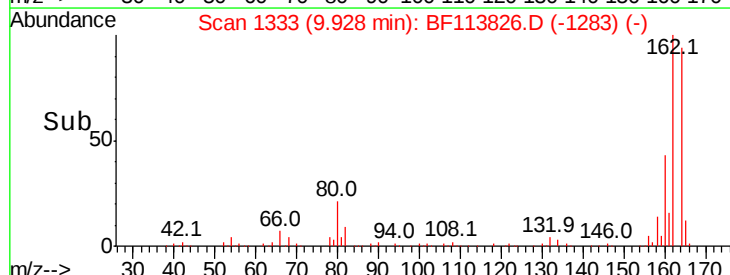
160 44.0 35.8 53.6

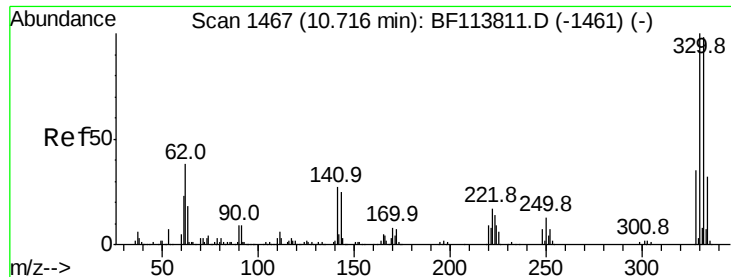


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

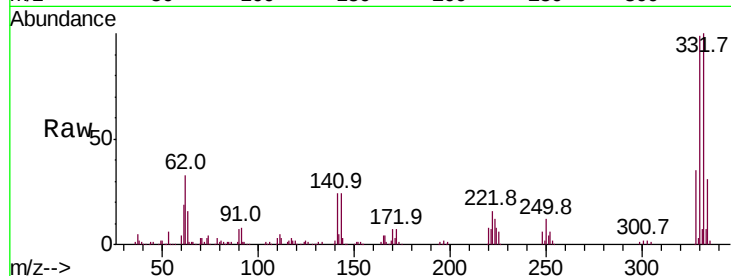




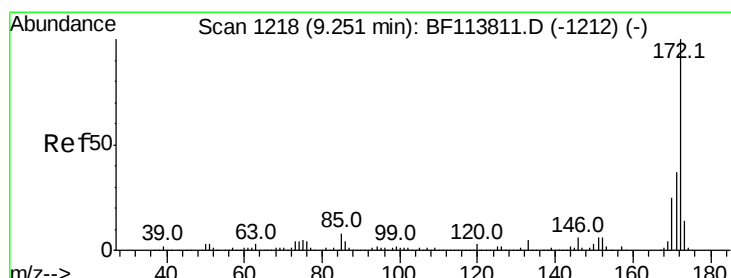
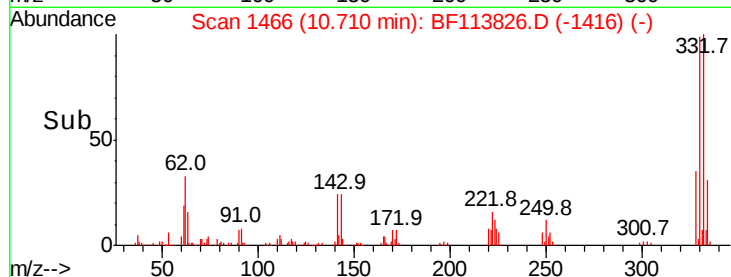
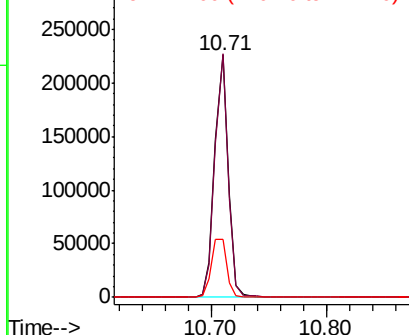
#42
 2,4,6-Tribromophenol
 Concen: 69.120 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF113826.D
 Acq: 18 Apr 2019 19:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 185369
 Ion Ratio Lower Upper
 330 100
 332 98.4 77.5 116.3
 141 27.5 22.2 33.2

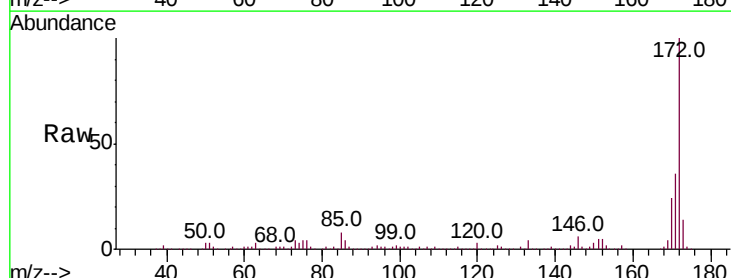


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

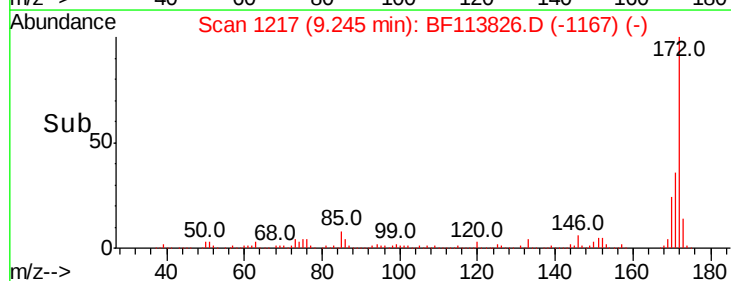
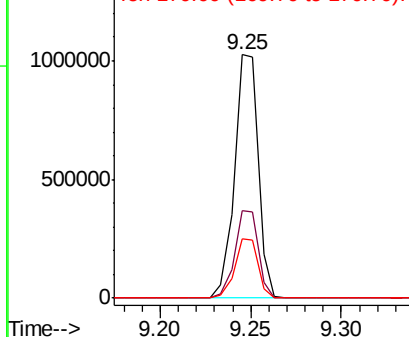


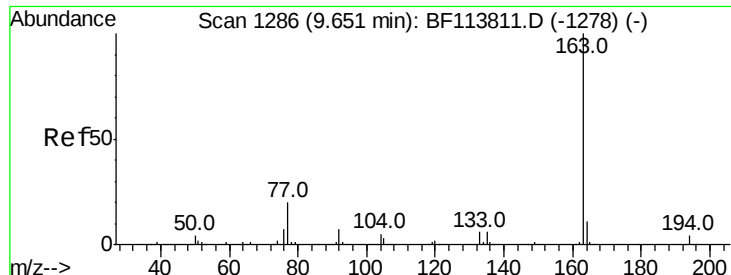
#45
 2-Fluorobiphenyl
 Concen: 58.680 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF113826.D
 Acq: 18 Apr 2019 19:33

Tgt Ion:172 Resp: 934000
 Ion Ratio Lower Upper
 172 100
 171 36.0 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: 5.788 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF113826.D

Acq: 18 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

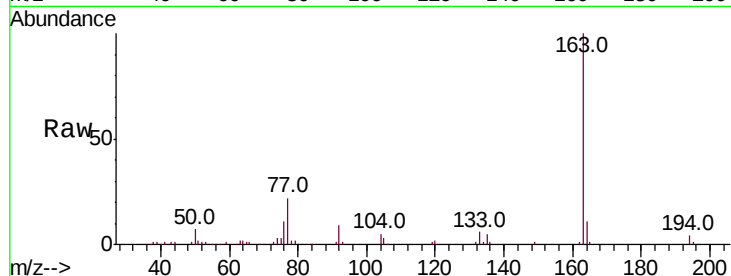
Tot Ion:163 Resp: 98329

Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

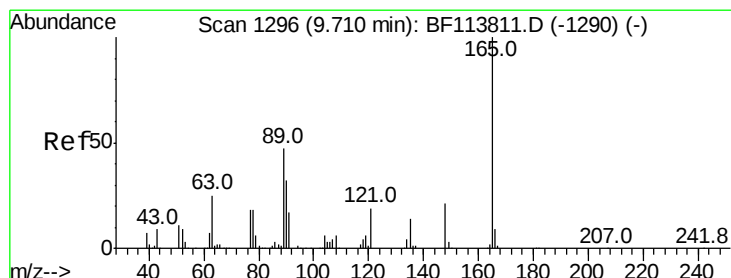
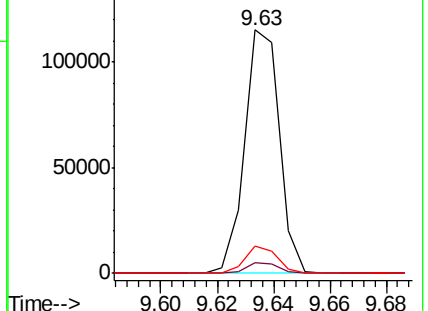
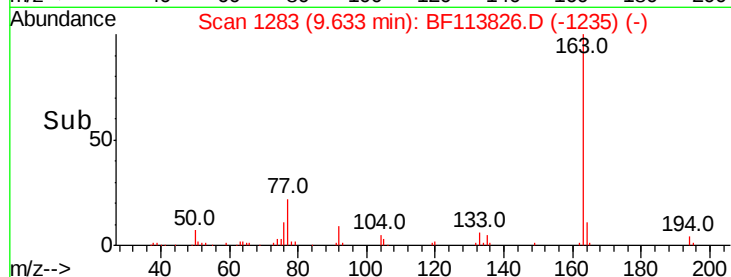
164 11.5 8.5 12.7



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: 8.057 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF113826.D

Acq: 18 Apr 2019 19:33

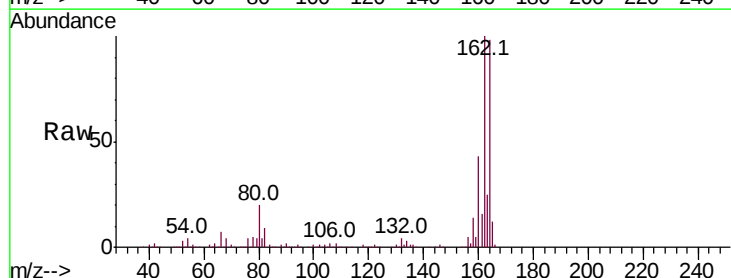
Tgt Ion:165 Resp: 30205

Ion Ratio Lower Upper

165 100

63 2.0 33.8 50.8#

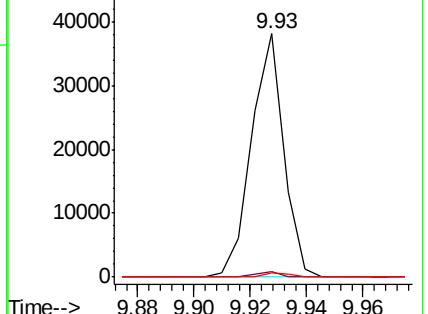
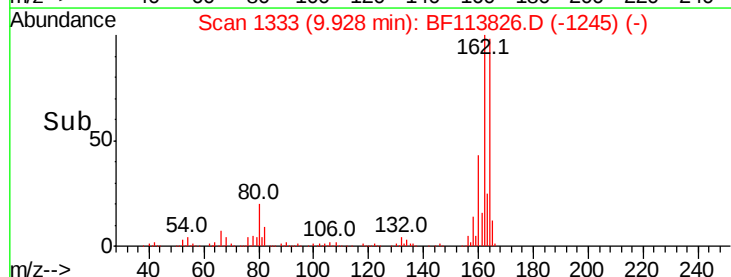
89 1.8 38.2 57.2#

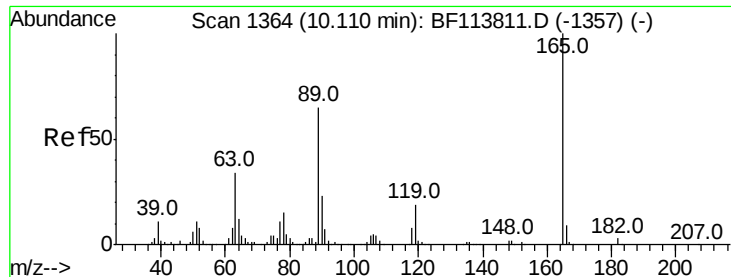


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

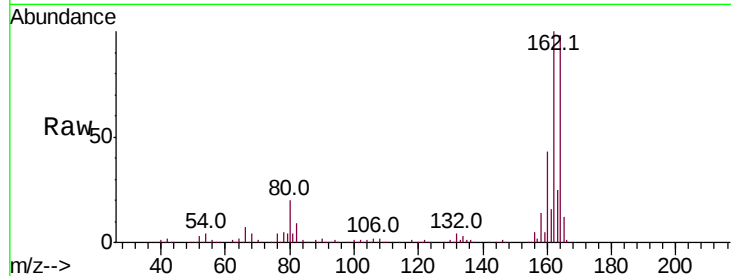




#57
 2,4-Dinitrotoluene
 Concen: 6.494 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.18 min
 Lab File: BF113826.D
 Acq: 18 Apr 2019 19:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.0	27.4	41.0#
89	1.8	51.8	77.6#
182	0.0	2.2	3.2#



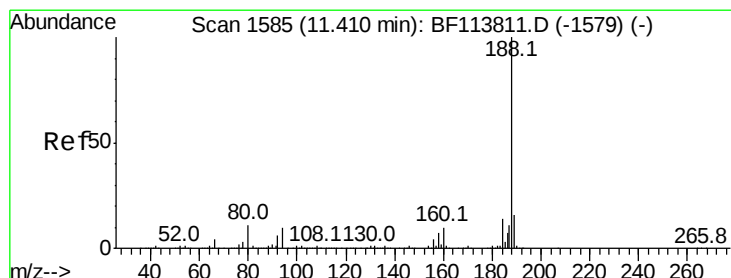
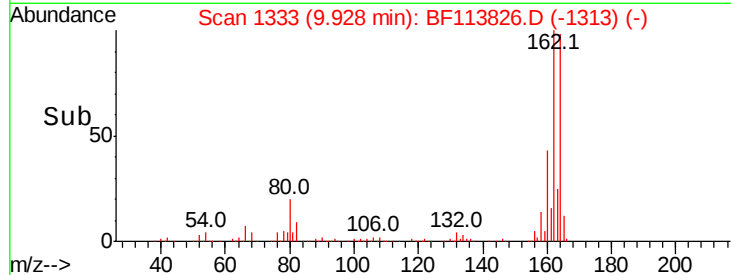
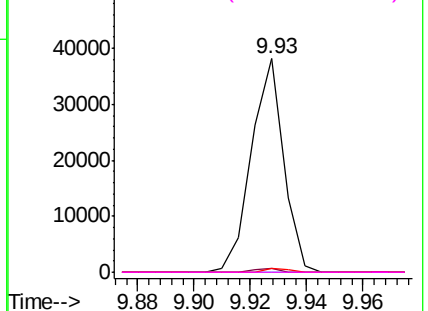
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

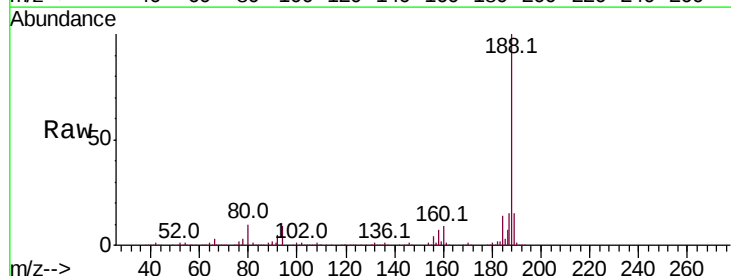
Ion 89.00 (88.70 to 89.70): BF1

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: BF113826.D
 Acq: 18 Apr 2019 19:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.4
80	9.7	9.0	13.6

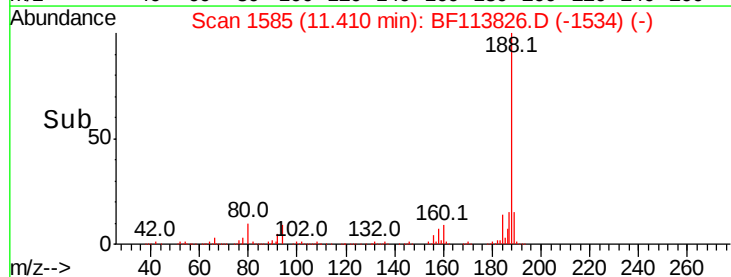
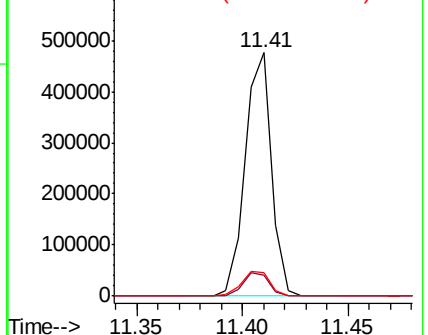


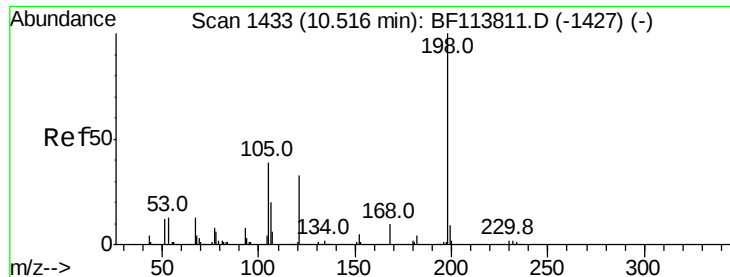
Abundance

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

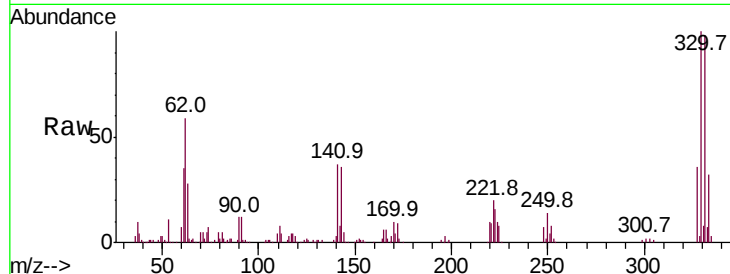




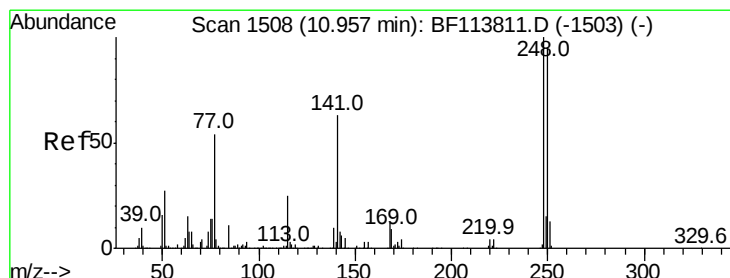
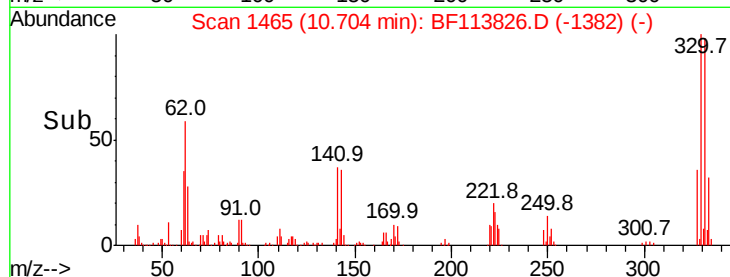
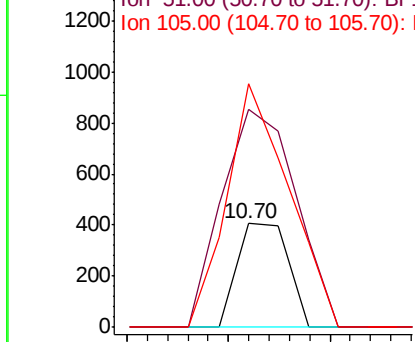
#65
4,6-Dinitro-2-methylphenol
Concen: 7.070 ng
RT: 10.70 min Scan# 1465
Delta R.T. 0.19 min
Lab File: BF113826.D
Acq: 18 Apr 2019 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 284
Ion Ratio Lower Upper
198 100
51 210.6 11.1 51.1#
105 234.7 20.7 60.7#

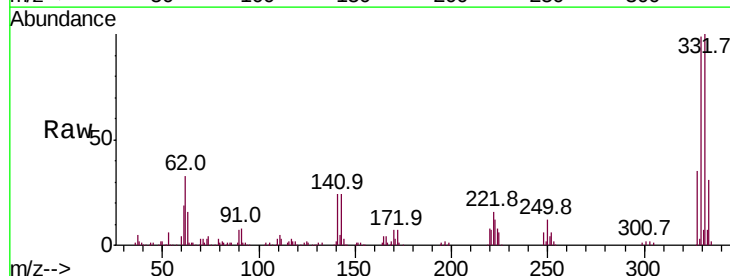


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

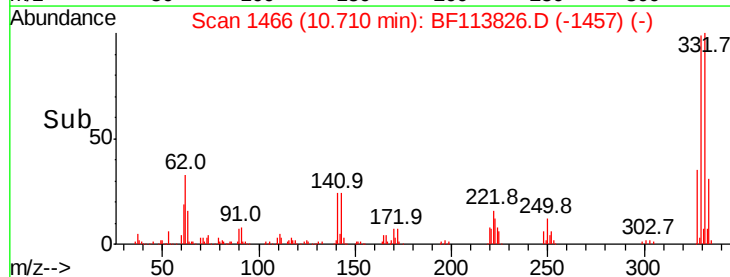
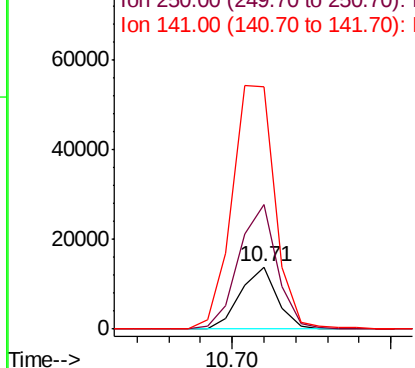


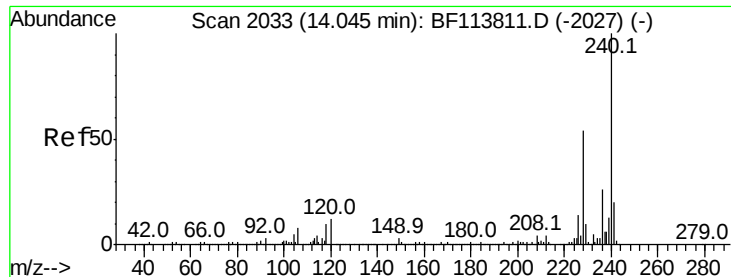
#67
4-Bromophenyl-phenylether
Concen: 2.302 ng
RT: 10.71 min Scan# 1466
Delta R.T. -0.25 min
Lab File: BF113826.D
Acq: 18 Apr 2019 19:33

Tgt Ion:248 Resp: 11101
Ion Ratio Lower Upper
248 100
250 199.6 75.8 113.6#
141 388.5 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: BF113826.D

Acq: 18 Apr 2019 19:33

Instrument :

BNA_F

ClientSampleId :

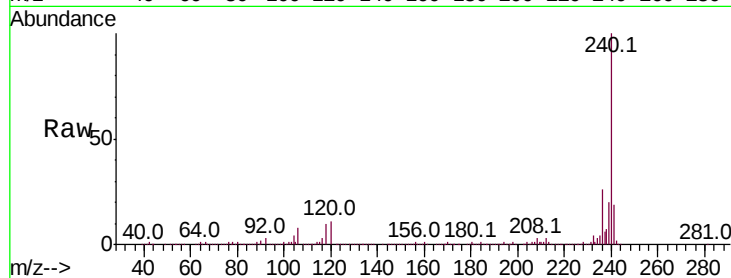
Tot Ion:240 Resp: 461283

Ion Ratio Lower Upper

240 100

120 10.5 9.3 13.9

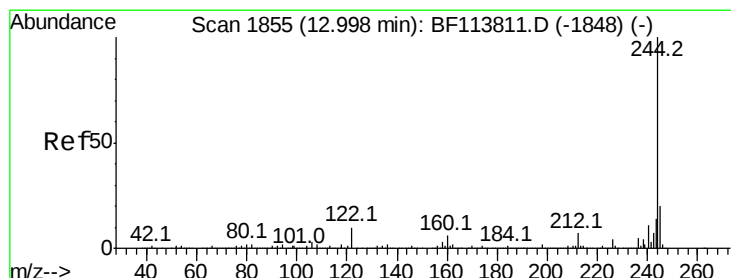
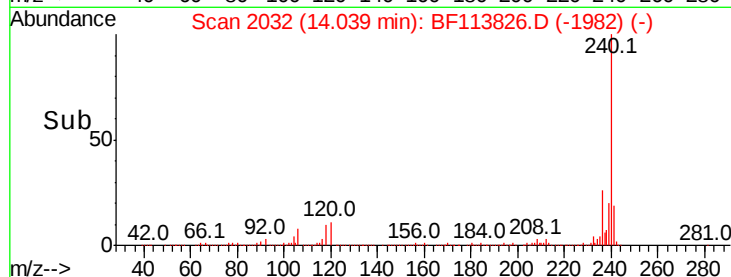
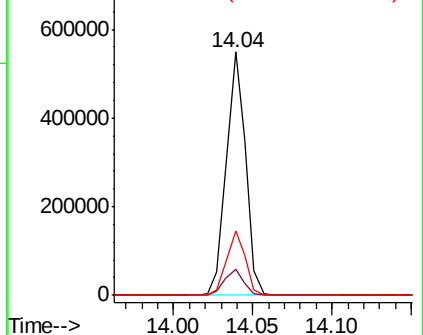
236 26.2 21.2 31.8



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: 44.836 ng

RT: 12.99 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BF113826.D

Acq: 18 Apr 2019 19:33

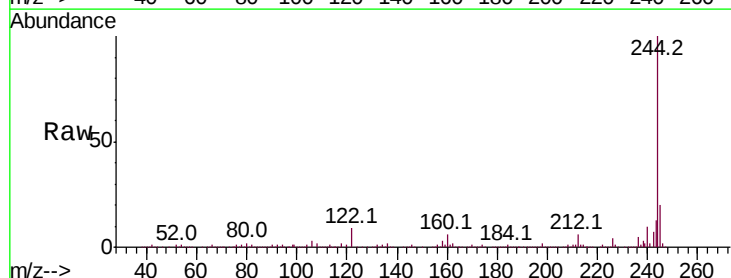
Tgt Ion:244 Resp: 986296

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.2

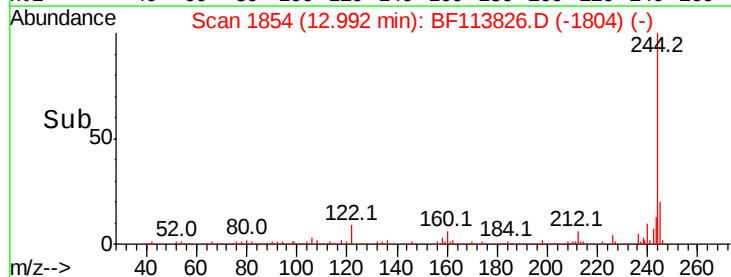
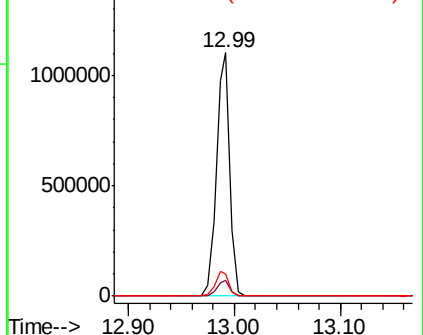
122 8.9 7.6 11.4

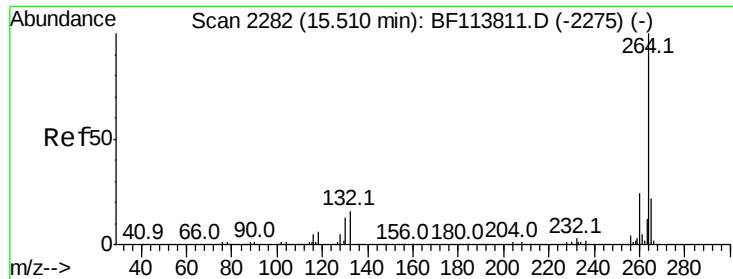


Abundance Ion 244.00 (243.70 to 244.70): E

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: BF113826.D
Acq: 18 Apr 2019 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	21.7	17.3	25.9

