

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032019\
 Data File : BF113190.D
 Acq On : 21 Mar 2019 1:25
 Operator : JU/SJ
 Sample : K1943-13
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Mar 21 12:24:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 21 12:13:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	120748	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	451332	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	213531	20.00	ng	0.00
64) Phenanthrene-d10	11.23	188	399824	20.00	ng	0.00
76) Chrysene-d12	13.86	240	370854	20.00	ng	0.00
87) Perylene-d12	15.27	264	271753	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	800183	103.08	ng	0.02
7) Phenol-d6	6.37	99	836582	85.80	ng	0.00
23) Nitrobenzene-d5	7.29	82	633835	84.03	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	307646	135.71	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1294410	108.08	ng	0.00
79) Terphenyl-d14	12.82	244	1331677	69.61	ng	0.00

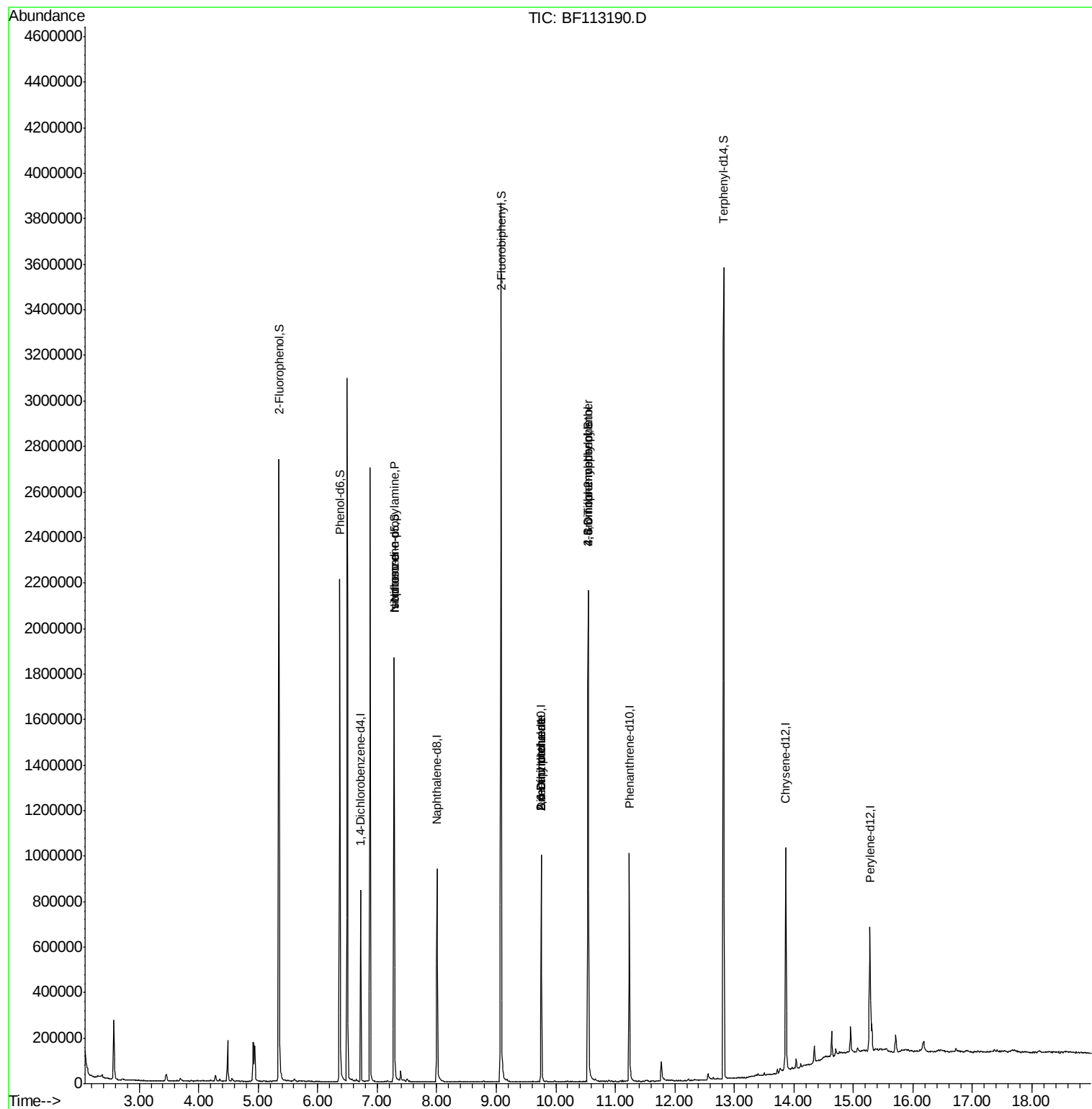
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	83589	13.535	ng	# 75
25) Isophorone	7.29	82	615253	37.863	ng	# 65
50) Dimethylphthalate	9.76	163	54252	3.446	ng	# 1
51) 2,6-Dinitrotoluene	9.76	165	26270	8.012	ng	# 26
57) 2,4-Dinitrotoluene	9.76	165	26270	6.446	ng	# 23
65) 4,6-Dinitro-2-methylphenol	10.54	198	421	4.844	ng	# 1
67) 4-Bromophenyl-phenylether	10.55	248	17468	4.148	ng	# 1

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

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QLast Update : Thu Mar 21 12:13:22 2019
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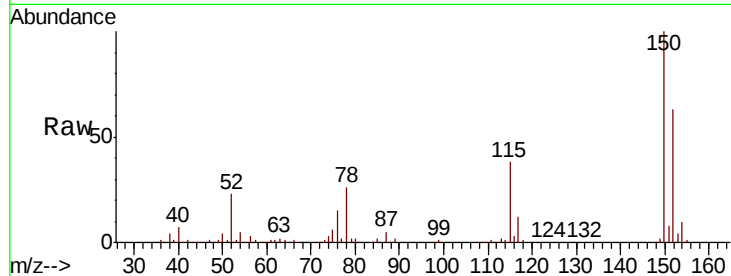


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. -0.00 min
 Lab File: BF113190.D
 Acq: 21 Mar 2019 1:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.0	184.6
115	60.4	45.9	68.9

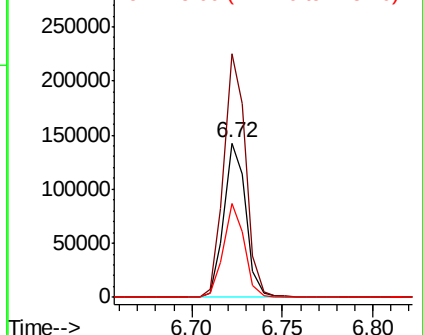
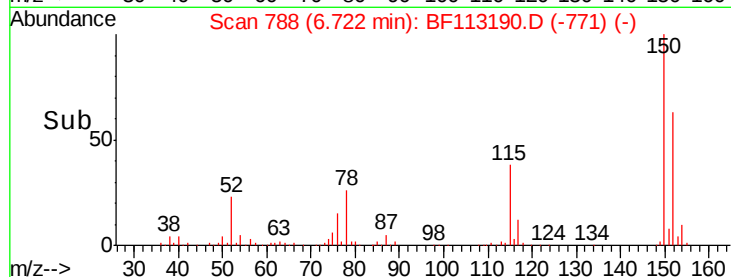


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

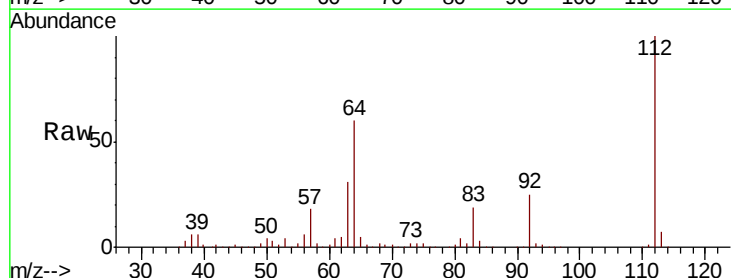
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 103.084 ng
 RT: 5.35 min Scan# 555
 Delta R.T. 0.02 min
 Lab File: BF113190.D
 Acq: 21 Mar 2019 1:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	49.3	73.9
63	30.6	25.4	38.2

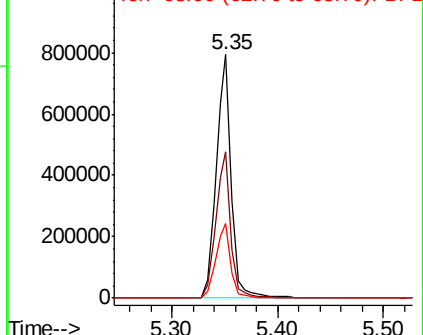
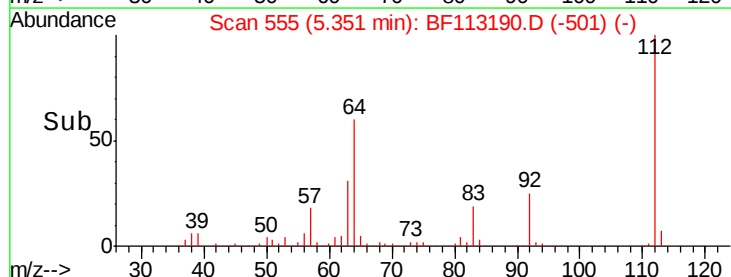


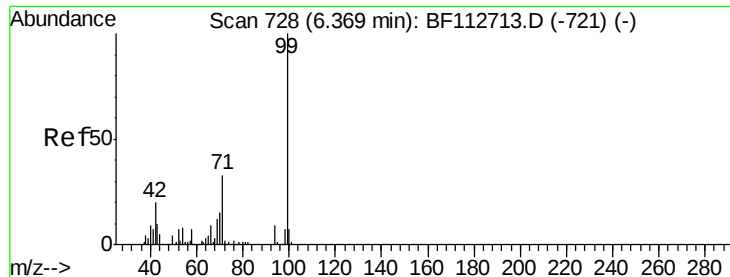
Abundance

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: 85.795 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.00 min

Lab File: BF113190.D

Acq: 21 Mar 2019 1:25

Instrument :

BNA_F

ClientSampled :

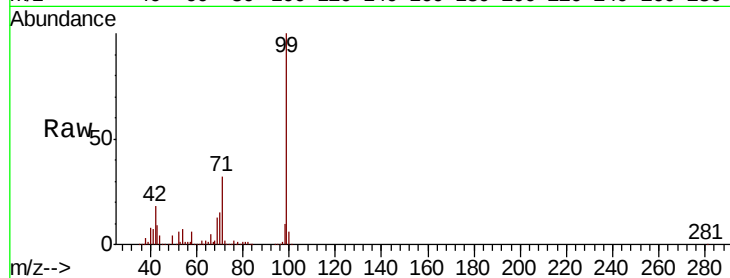
Tot Ion: 99 Resp: 836582

Ion Ratio Lower Upper

99 100

42 18.3 15.2 22.8

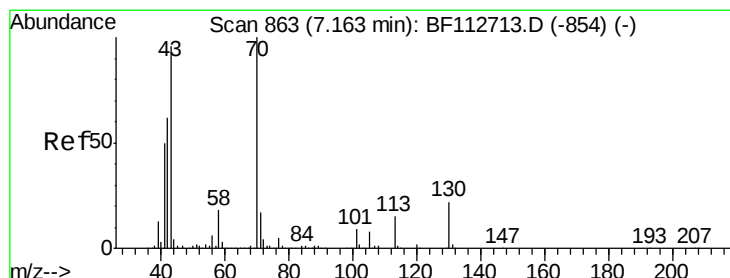
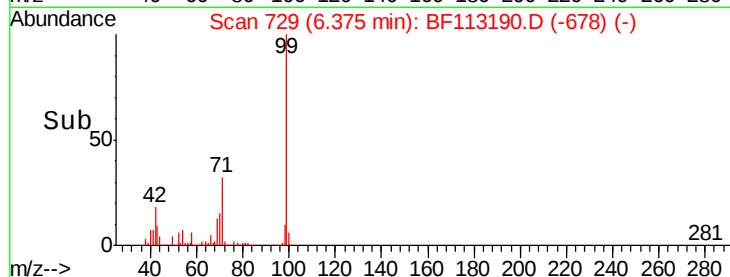
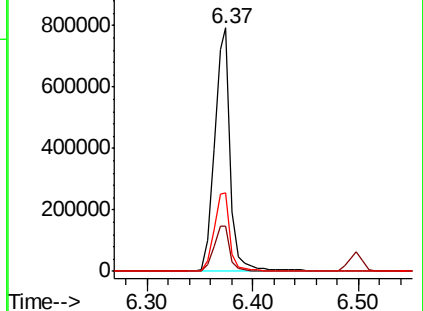
71 32.3 25.7 38.5



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: 13.535 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF113190.D

Acq: 21 Mar 2019 1:25

Tgt Ion: 70 Resp: 83589

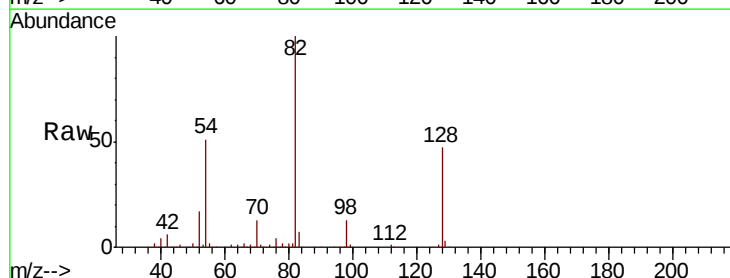
Ion Ratio Lower Upper

70 100

42 47.9 50.4 75.6#

101 0.0 7.5 11.3#

130 2.3 17.0 25.6#

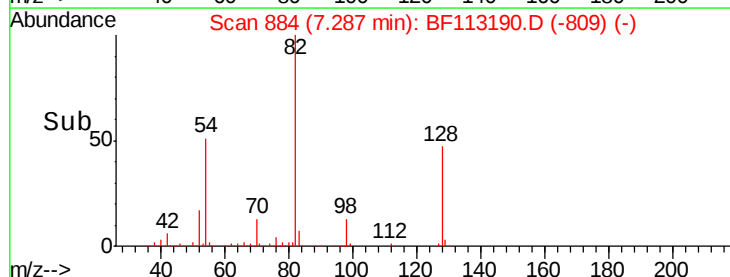
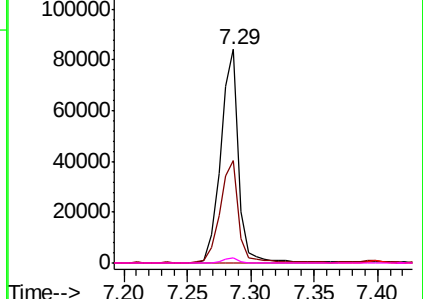


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

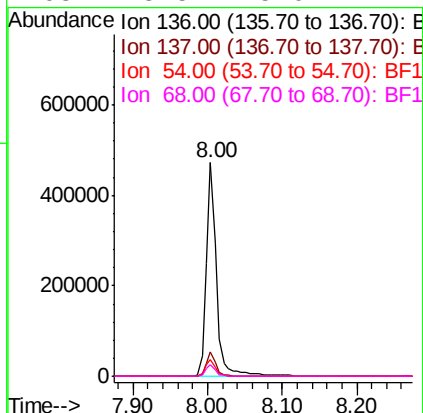
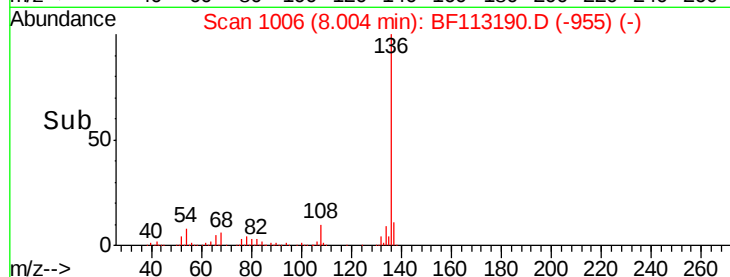
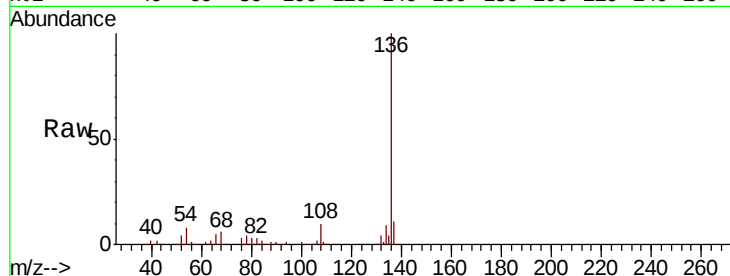




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF113190.D
Acq: 21 Mar 2019 1:25

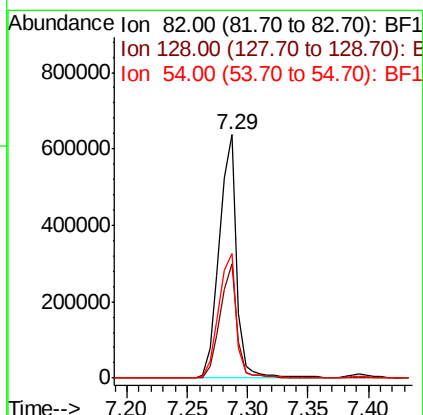
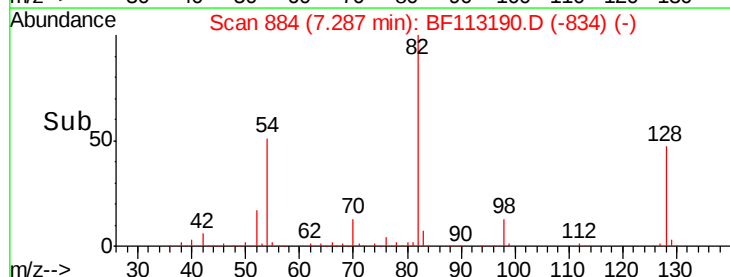
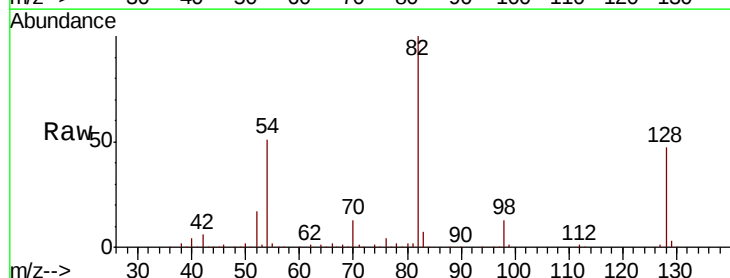
Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	451332
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.9 13.3
54	8.0	7.0 10.6
68	5.5	5.0 7.4



#23
Nitrobenzene-d5
Concen: 84.034 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF113190.D
Acq: 21 Mar 2019 1:25

Tgt Ion: 82	Resp:	633835
Ion Ratio	Lower	Upper
82	100	
128	47.0	37.9 56.9
54	51.2	41.2 61.8





#25

Isophorone

Concen: 37.863 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF113190.D

Acq: 21 Mar 2019 1:25

Instrument :

BNA_F

ClientSampleId :

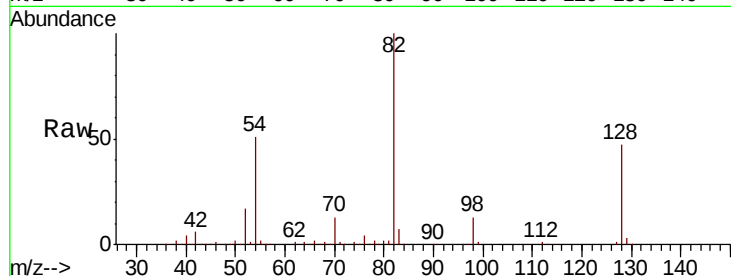
Tot Ion: 82 Resp: 615253

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

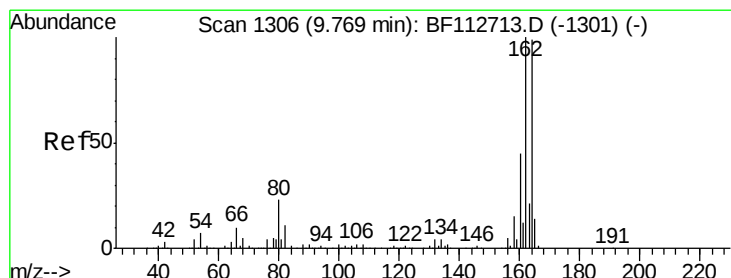
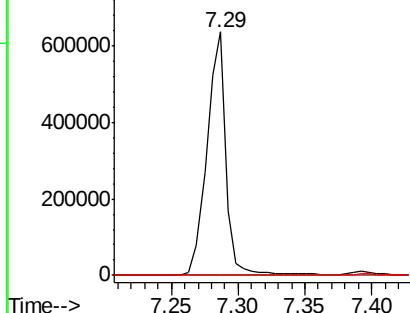
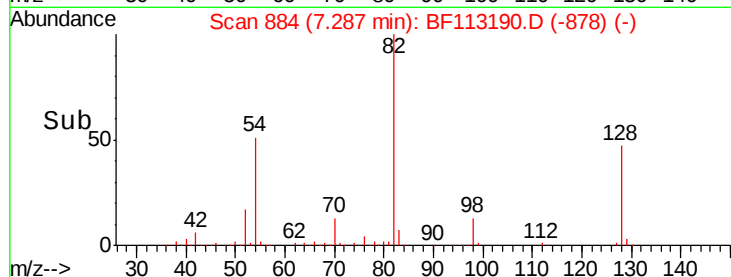
138 0.0 14.5 21.7#



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: 9.76 min Scan# 1304

Delta R.T. -0.00 min

Lab File: BF113190.D

Acq: 21 Mar 2019 1:25

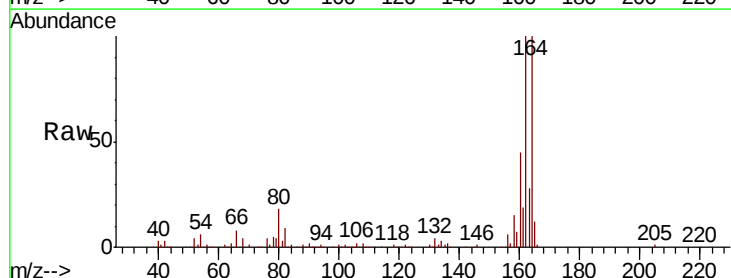
Tgt Ion: 164 Resp: 213531

Ion Ratio Lower Upper

164 100

162 100.1 80.8 121.2

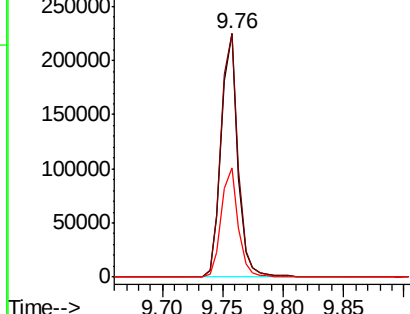
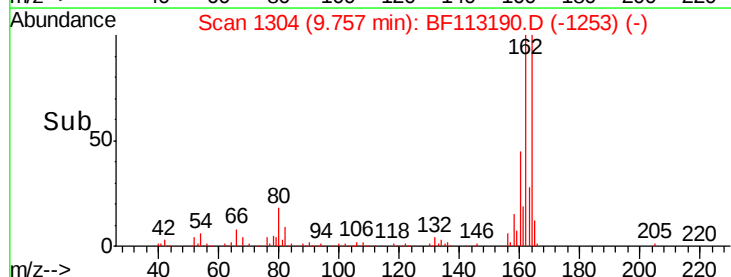
160 45.1 36.2 54.2

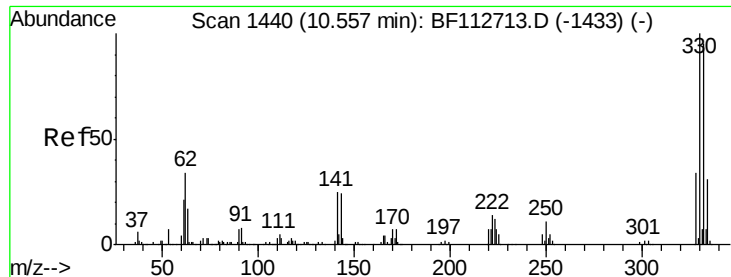


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 135.712 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.00 min

Lab File: BF113190.D

Acq: 21 Mar 2019 1:25

Instrument :

BNA_F

ClientSampleId :

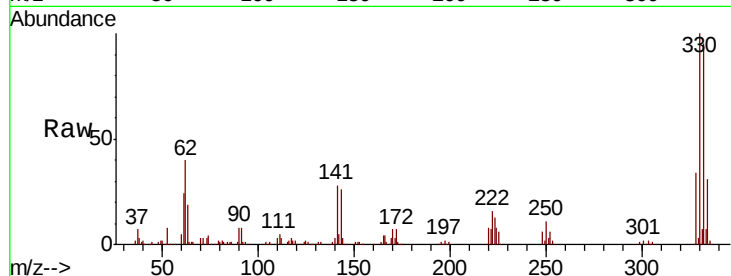
Tot Ion:330 Resp: 307646

Ion Ratio Lower Upper

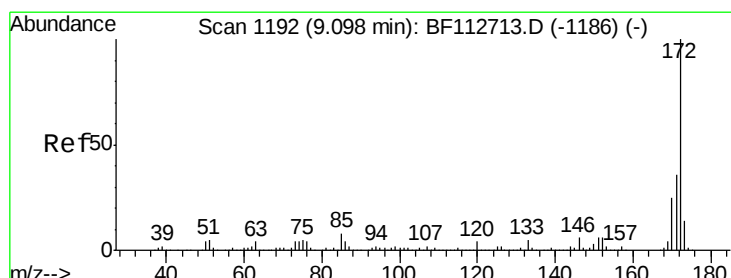
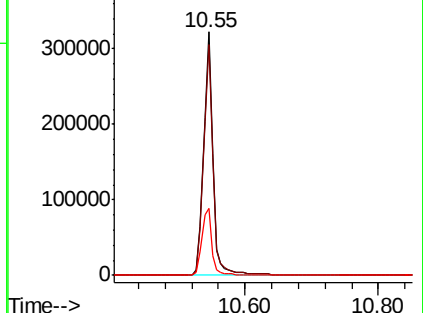
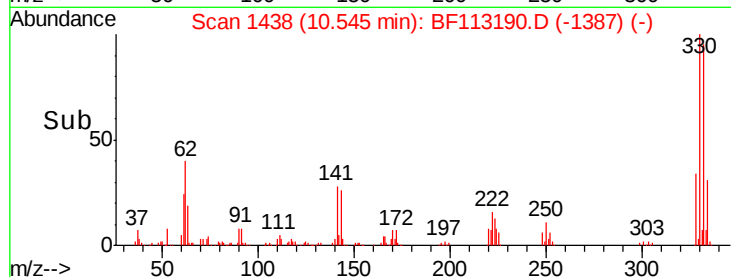
330 100

332 96.1 76.3 114.5

141 29.1 22.3 33.5



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: 108.085 ng

RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

Lab File: BF113190.D

Acq: 21 Mar 2019 1:25

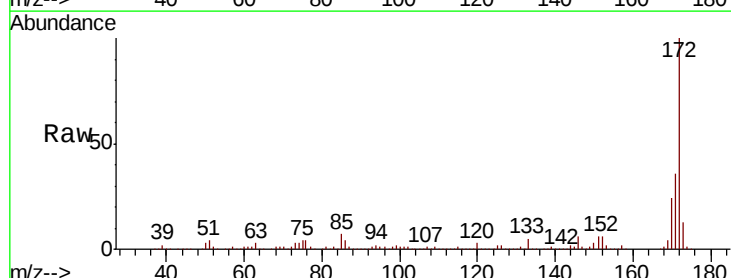
Tgt Ion:172 Resp: 1294410

Ion Ratio Lower Upper

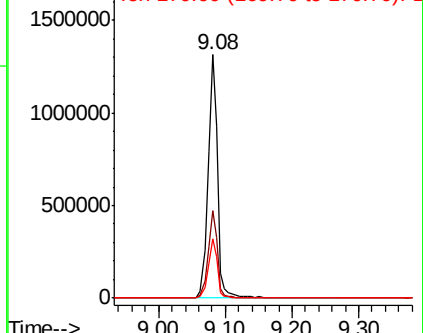
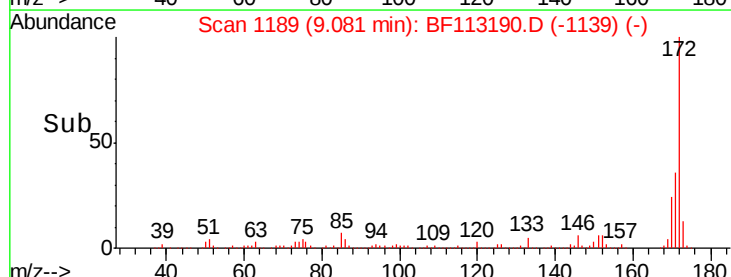
172 100

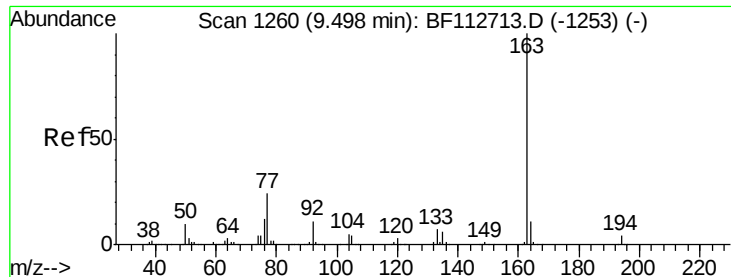
171 36.1 29.0 43.4

170 24.3 20.1 30.1



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: 3.446 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.27 min

Lab File: BF113190.D

Acq: 21 Mar 2019 1:25

Instrument :

BNA_F

ClientSampleId :

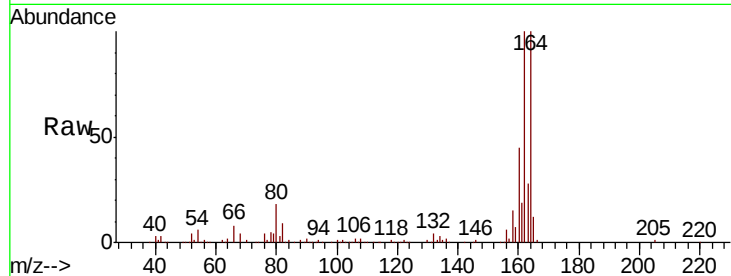
Tot Ion:163 Resp: 54252

Ion Ratio Lower Upper

163 100

194 0.0 3.3 4.9#

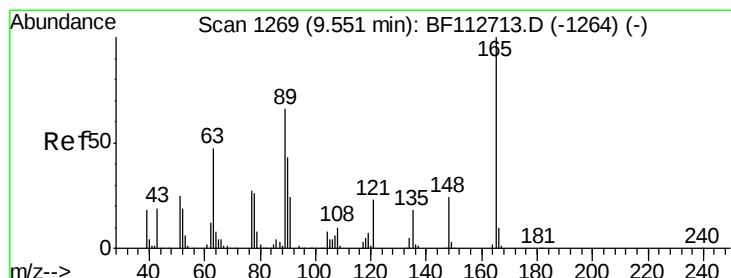
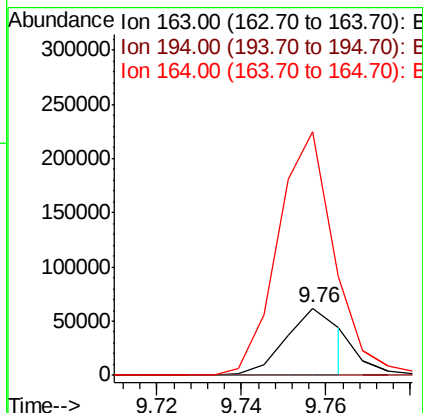
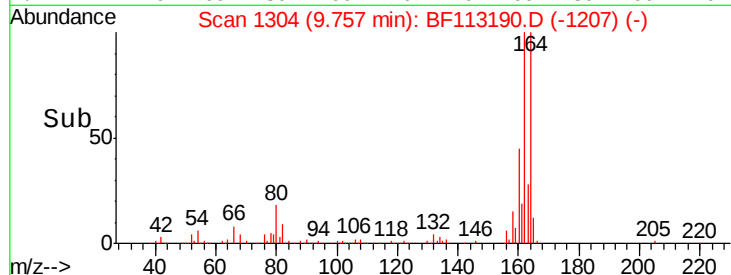
164 363.0 8.6 12.8#



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: 8.012 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.21 min

Lab File: BF113190.D

Acq: 21 Mar 2019 1:25

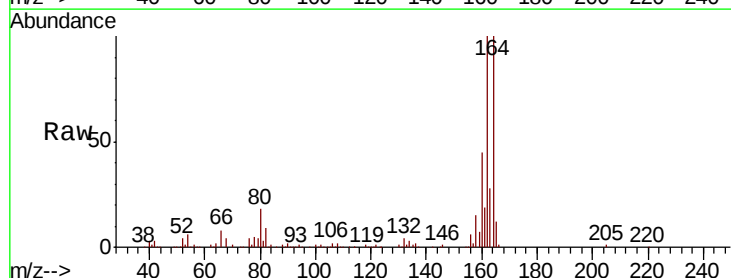
Tgt Ion:165 Resp: 26270

Ion Ratio Lower Upper

165 100

63 1.2 45.4 68.2#

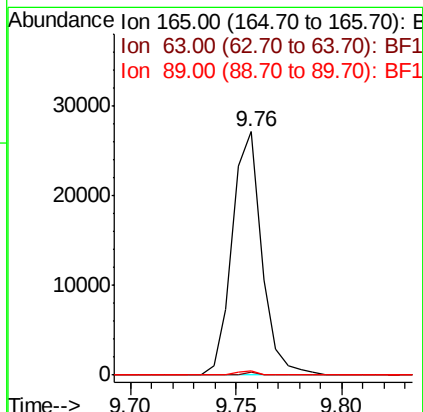
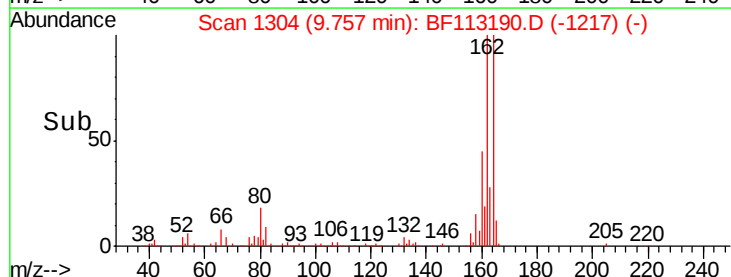
89 2.0 43.8 65.6#

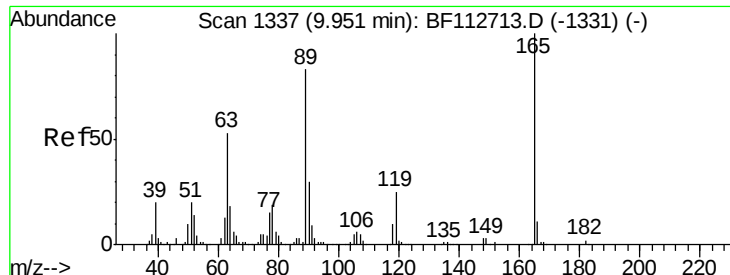


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

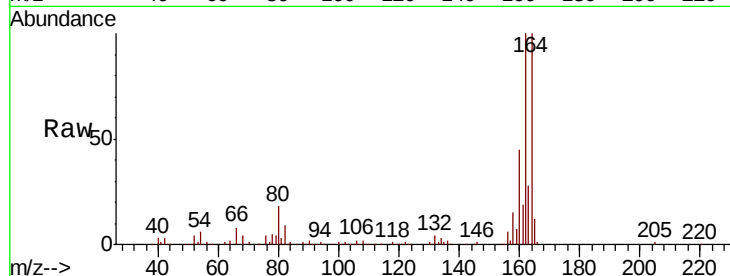




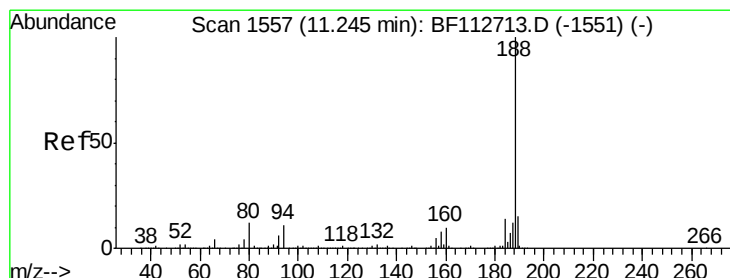
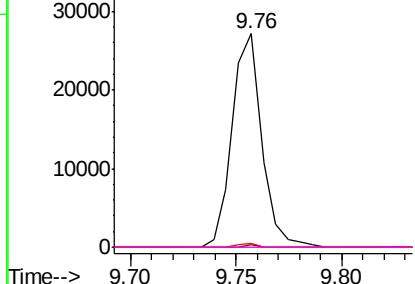
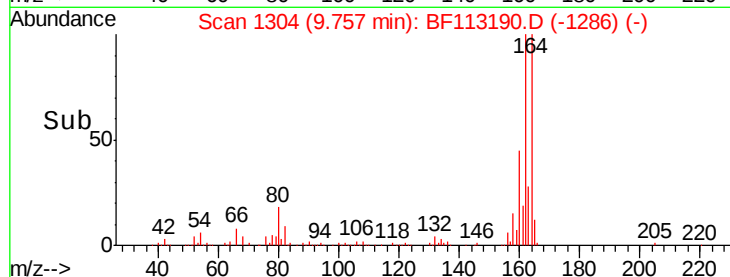
#57
 2,4-Dinitrotoluene
 Concen: 6.446 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF113190.D
 Acq: 21 Mar 2019 1:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 26270
 Ion Ratio Lower Upper
 165 100
 63 1.2 37.9 56.9#
 89 2.0 58.5 87.7#
 182 0.0 2.2 3.2#

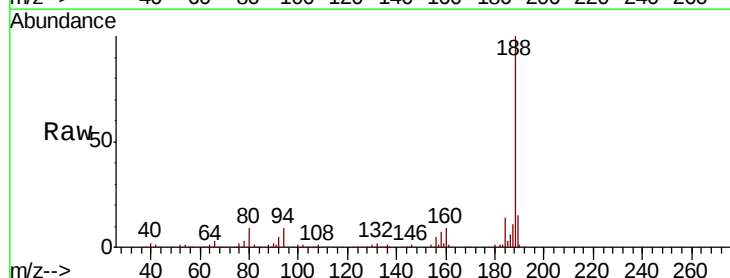


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

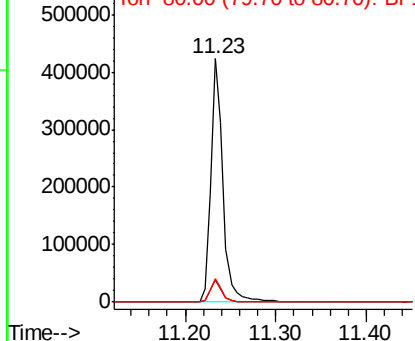
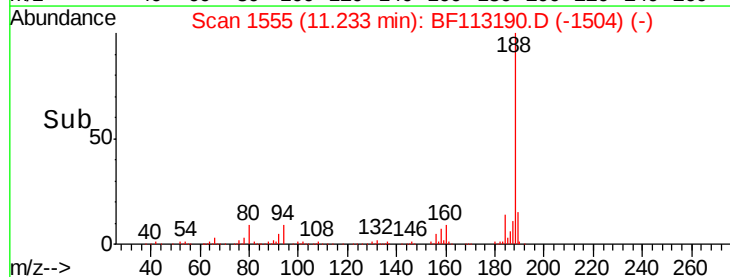


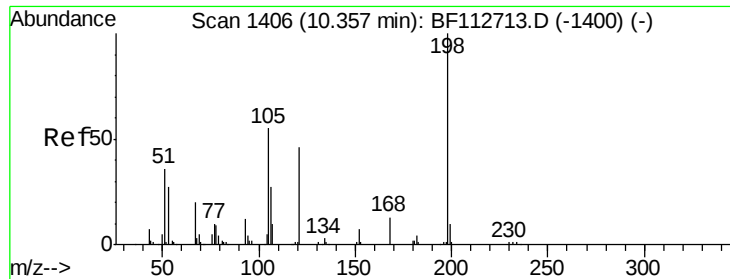
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: BF113190.D
 Acq: 21 Mar 2019 1:25

Tgt Ion:188 Resp: 399824
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.4 11.2
 80 9.5 7.9 11.9



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

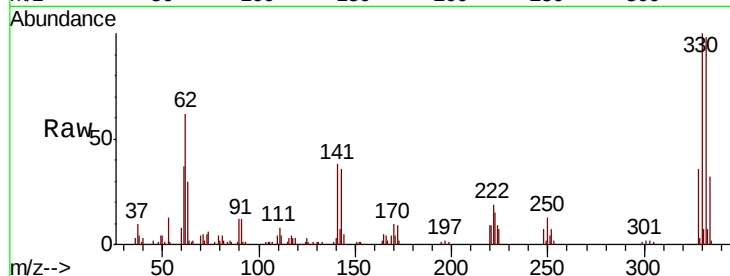




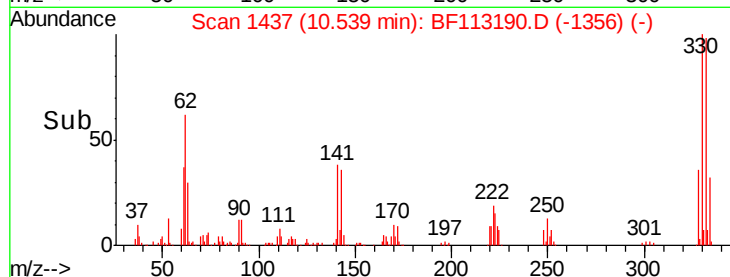
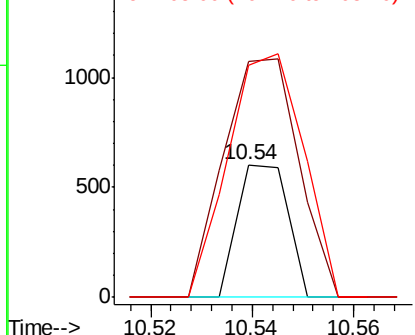
#65
4,6-Dinitro-2-methylphenol
Concen: 4.844 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.18 min
Lab File: BF113190.D
Acq: 21 Mar 2019 1:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 421
Ion Ratio Lower Upper
198 100
51 177.8 25.5 65.5#
105 174.8 23.2 63.2#

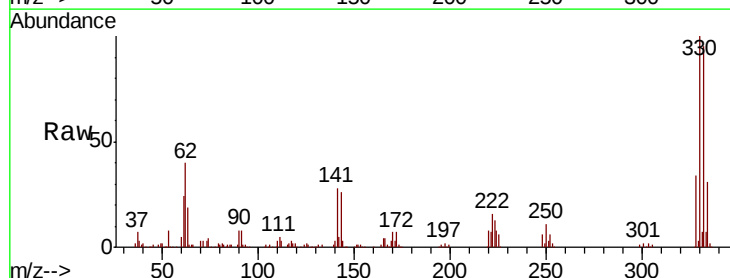


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

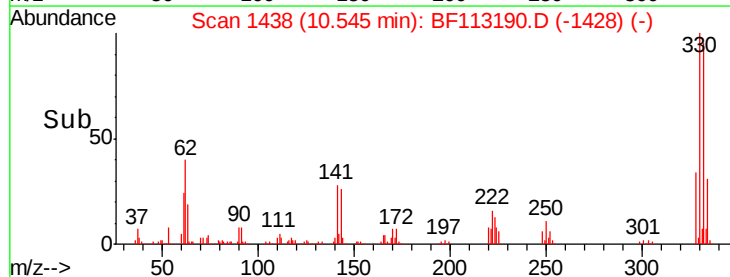
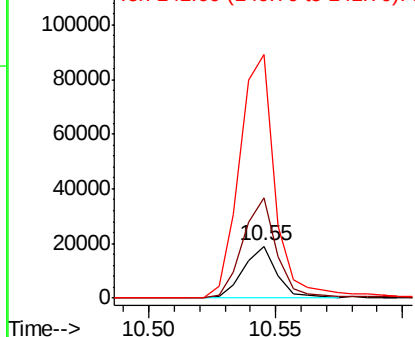


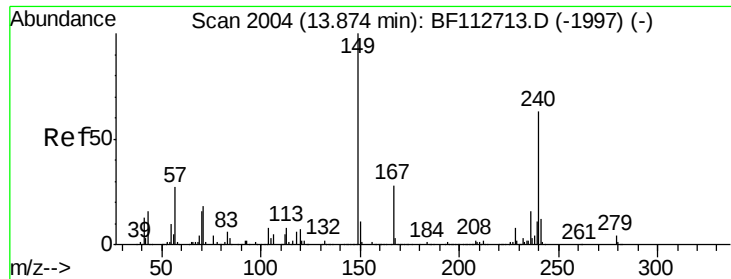
#67
4-Bromophenyl-phenylether
Concen: 4.148 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF113190.D
Acq: 21 Mar 2019 1:25

Tgt Ion:248 Resp: 17468
Ion Ratio Lower Upper
248 100
250 193.1 78.4 117.6#
141 467.1 45.9 68.9#



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

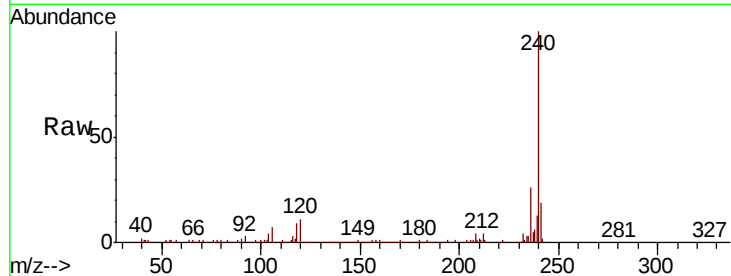




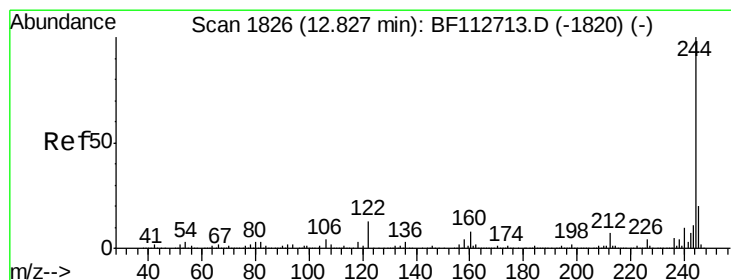
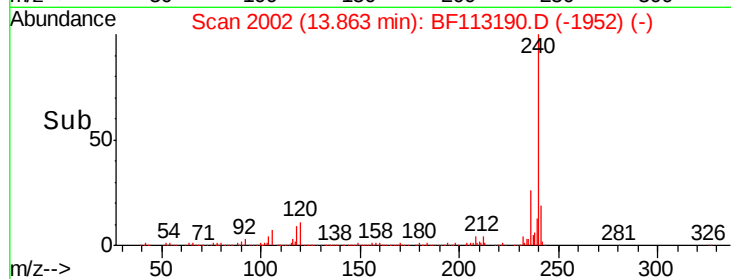
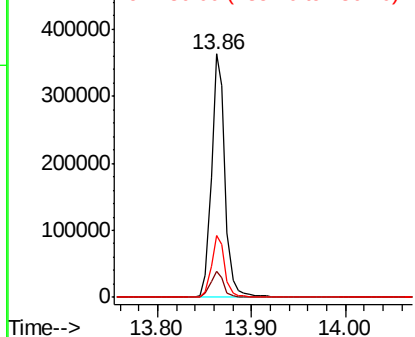
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.01 min
 Lab File: BF113190.D
 Acq: 21 Mar 2019 1:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:240 Resp: 370854
 Ion Ratio Lower Upper
 240 100
 120 10.7 8.6 12.8
 236 25.6 21.2 31.8

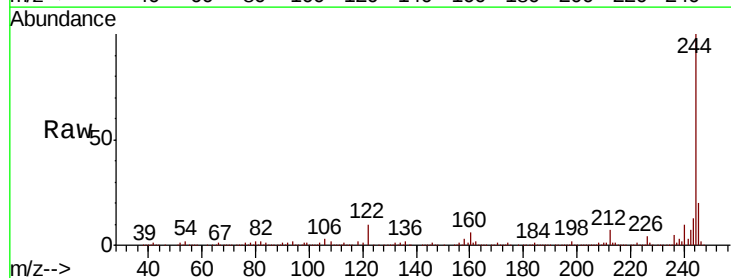


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

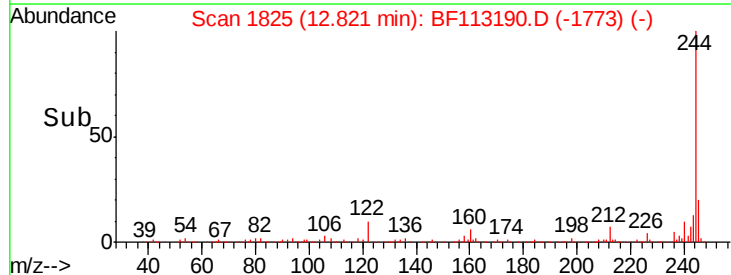
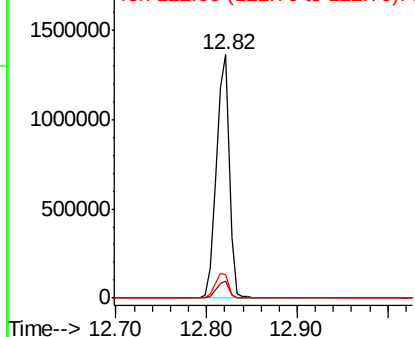


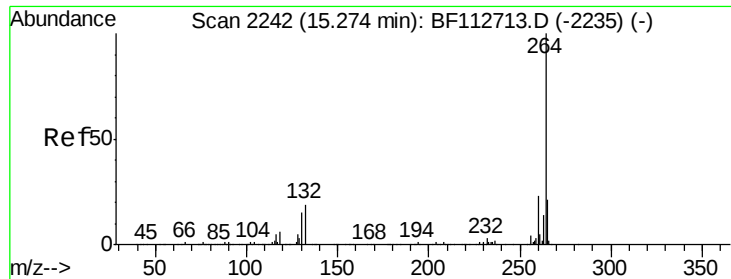
#79
 Terphenyl-d14
 Concen: 69.608 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. 0.01 min
 Lab File: BF113190.D
 Acq: 21 Mar 2019 1:25

Tgt Ion:244 Resp: 1331677
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 9.8 9.4 14.2



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: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF113190.D
Acq: 21 Mar 2019 1:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.7	17.7	26.5

