

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042219\
 Data File : BF113890.D
 Acq On : 22 Apr 2019 20:57
 Operator : JU/SJ
 Sample : K2515-23
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-16

Quant Time: Apr 23 03:55:37 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

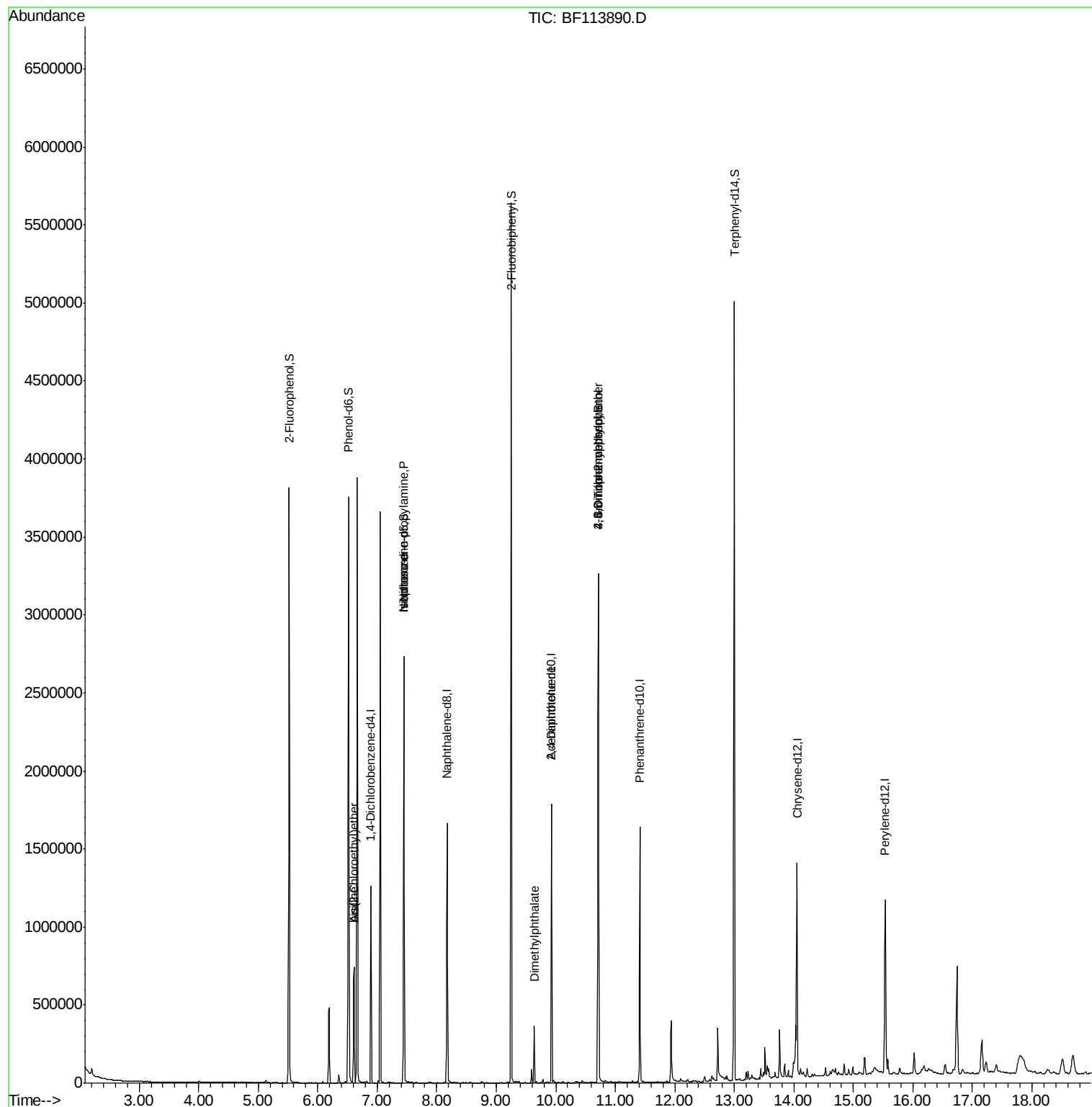
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	189267	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	698367	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	345330	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	607318	20.00	ng	0.00
76) Chrysene-d12	14.05	240	437008	20.00	ng	-0.02
87) Perylene-d12	15.53	264	547363	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	1143779	103.36	ng	0.00
7) Phenol-d6	6.52	99	1465792	105.58	ng	0.00
23) Nitrobenzene-d5	7.45	82	897949	79.39	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	442552	105.20	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1748009	79.17	ng	0.00
79) Terphenyl-d14	13.00	244	1689379	79.25	ng	0.00
Target Compounds						
6) Aniline	6.61	93	169588	8.895	ng	# 51
9) Benzaldehyde	6.66	77	26891	Below Cal		84
11) bis(2-Chloroethyl)ether	6.61	93	169588	13.575	ng	# 25
19) n-Nitroso-di-n-propylamine	7.45	70	120973	13.455	ng	# 77
25) Isophorone	7.45	82	897933	38.799	ng	# 65
50) Dimethylphthalate	9.64	163	144707	5.794	ng	98
57) 2,4-Dinitrotoluene	9.93	165	44055	6.514	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.72	198	579	7.484	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	26521	3.615	ng	# 1

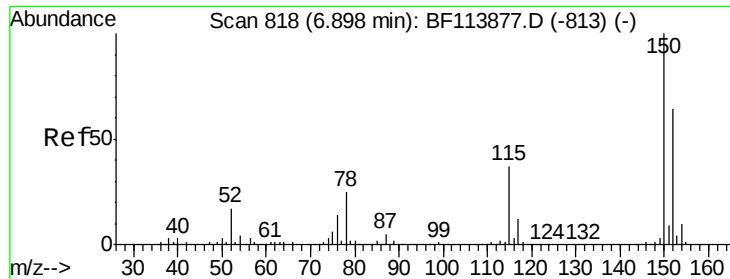
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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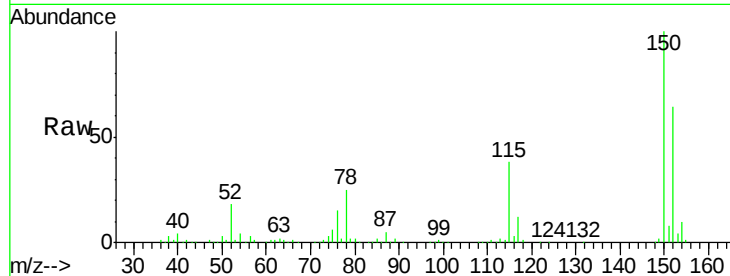


#1

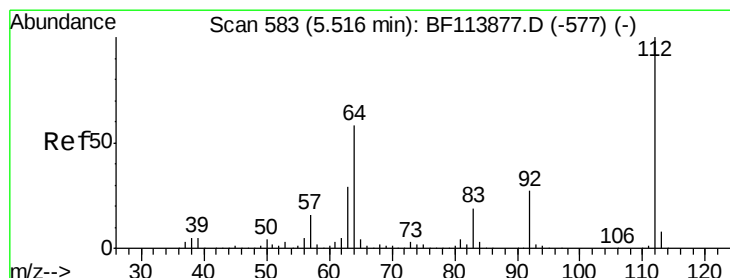
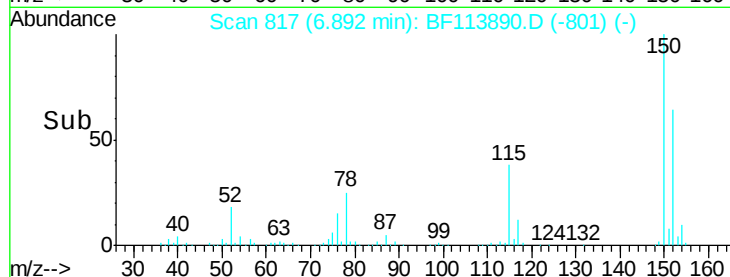
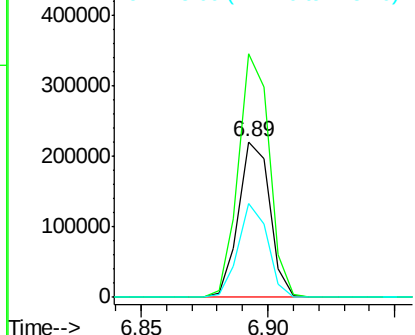
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF113890.D
Acq: 22 Apr 2019 20:57

Instrument :
BNA_F
ClientSampled :
TP-16

Tot Ion:152 Resp: 189267
Ion Ratio Lower Upper
152 100
150 156.6 125.9 188.9
115 60.2 45.9 68.9



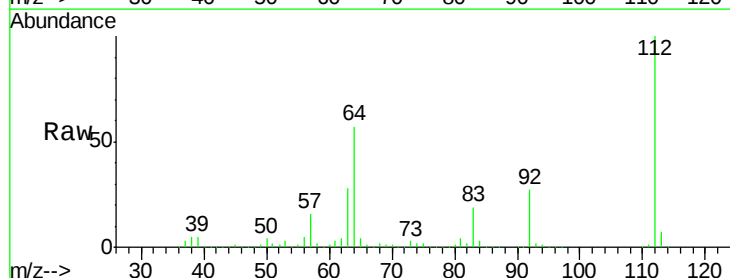
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



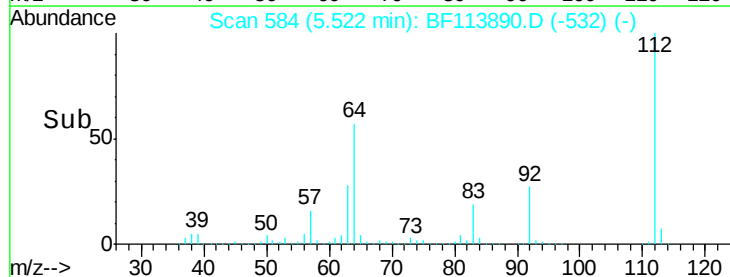
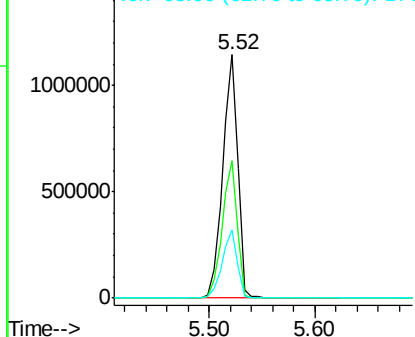
#5

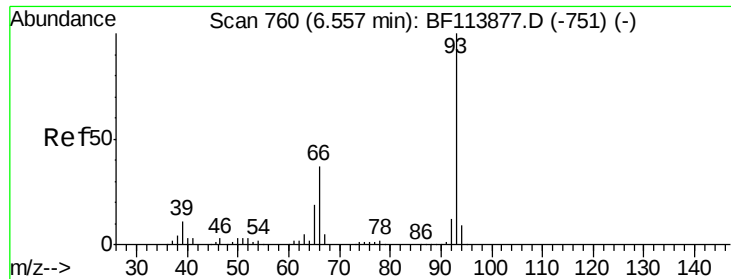
2-Fluorophenol
Concen: 103.360 ng
RT: 5.52 min Scan# 584
Delta R.T. 0.01 min
Lab File: BF113890.D
Acq: 22 Apr 2019 20:57

Tgt Ion:112 Resp: 1143779
Ion Ratio Lower Upper
112 100
64 56.7 46.6 69.8
63 28.2 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





#6

Aniline

Concen: 8.895 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.05 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Instrument :

BNA_F

ClientSampleId :

TP-16

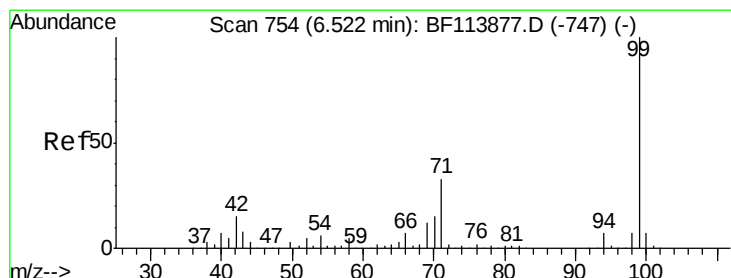
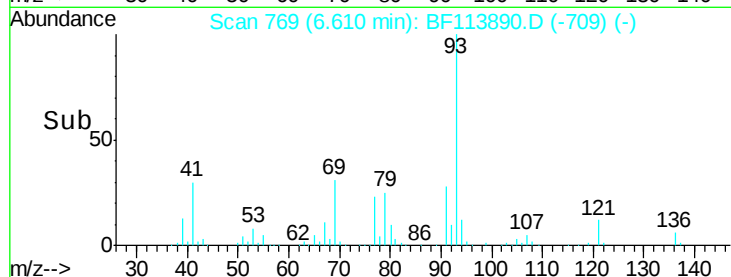
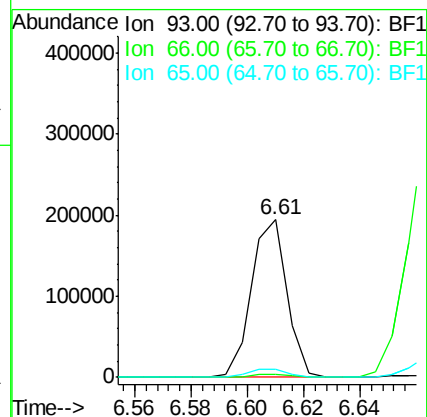
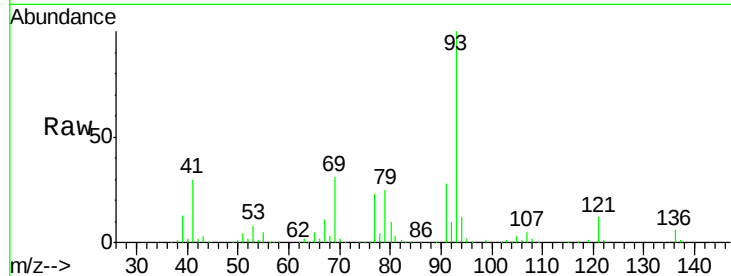
Tot Ion: 93 Resp: 169588

Ion Ratio Lower Upper

93 100

66 1.7 29.8 44.6#

65 5.4 14.9 22.3#



#7

Phenol-d6

Concen: 105.578 ng

RT: 6.52 min Scan# 754

Delta R.T. -0.00 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

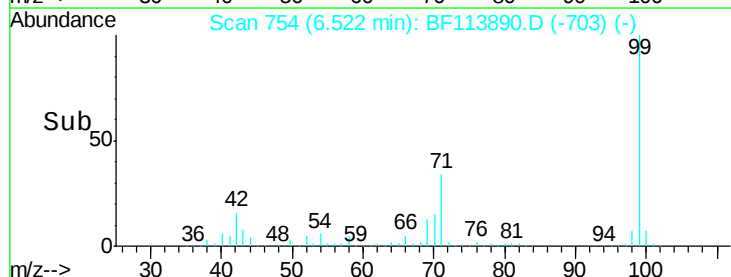
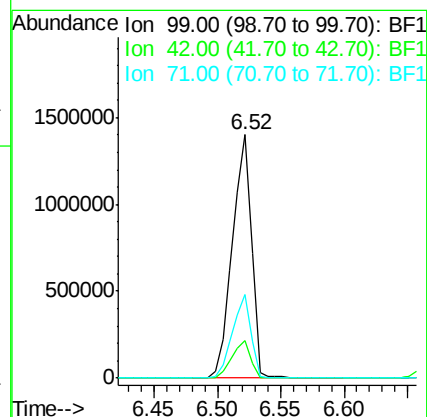
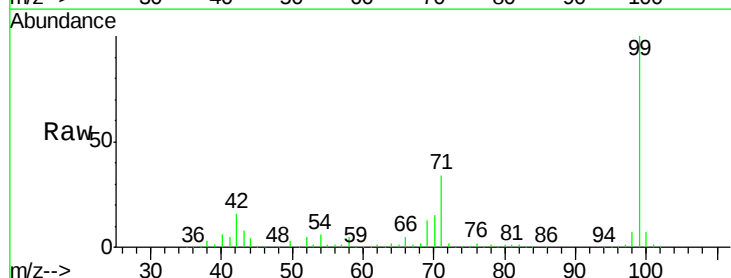
Tgt Ion: 99 Resp: 1465792

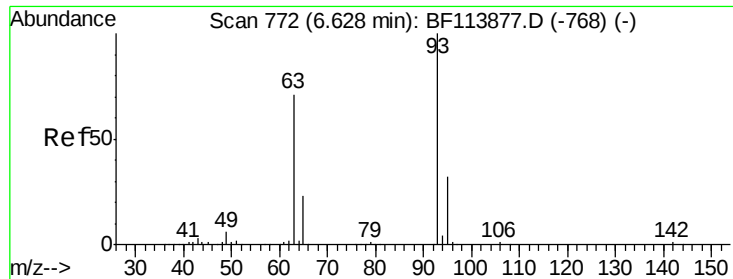
Ion Ratio Lower Upper

99 100

42 15.5 12.5 18.7

71 34.5 26.9 40.3

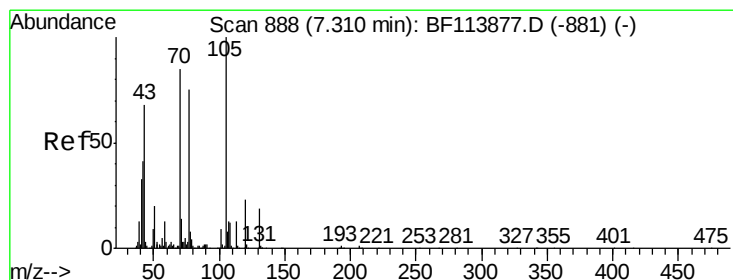
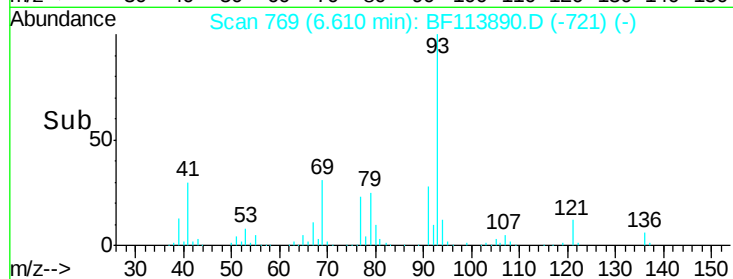
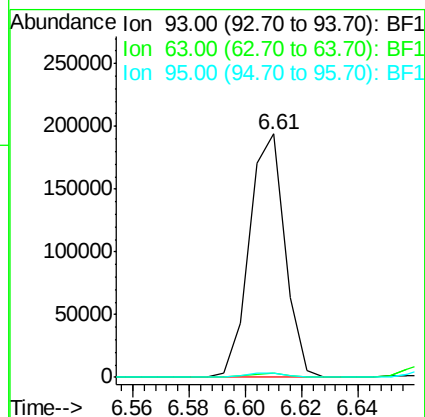
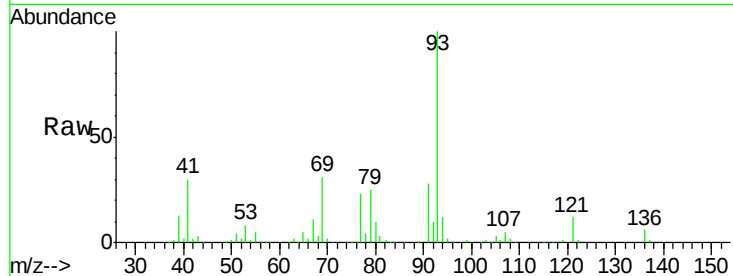




#11
bis(2-Chloroethyl)ether
Concen: 13.575 ng
RT: 6.61 min Scan# 769
Delta R.T. -0.02 min
Lab File: BF113890.D
Acq: 22 Apr 2019 20:57

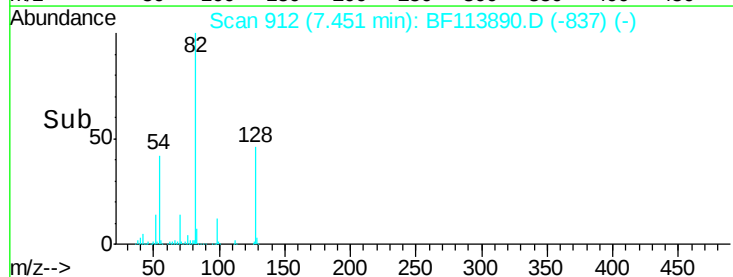
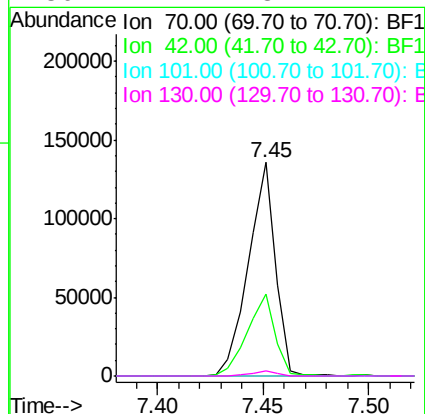
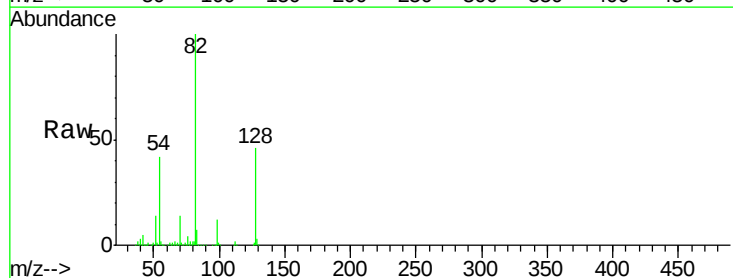
Instrument :
BNA_F
ClientSampleId :
TP-16

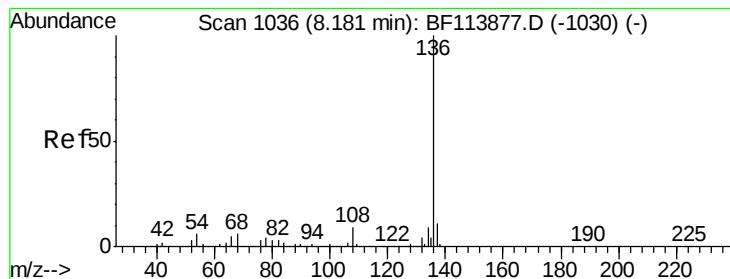
Tot Ion: 93 Resp: 169588
Ion Ratio Lower Upper
93 100
63 1.7 50.7 90.7#
95 1.9 12.3 52.3#



#19
n-Nitroso-di-n-propylamine
Concen: 13.455 ng
RT: 7.45 min Scan# 912
Delta R.T. 0.14 min
Lab File: BF113890.D
Acq: 22 Apr 2019 20:57

Tgt Ion: 70 Resp: 120973
Ion Ratio Lower Upper
70 100
42 38.2 37.3 55.9
101 0.0 7.8 11.8#
130 2.4 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Instrument :

BNA_F

ClientSampleId :

TP-16

Tot Ion:136 Resp: 698367

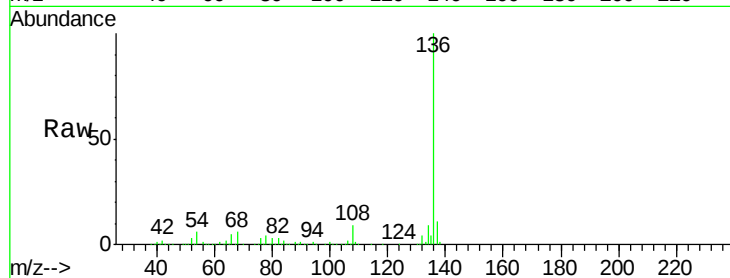
Ion Ratio Lower Upper

136 100

137 10.9 8.6 12.8

54 6.3 5.0 7.6

68 6.4 4.9 7.3

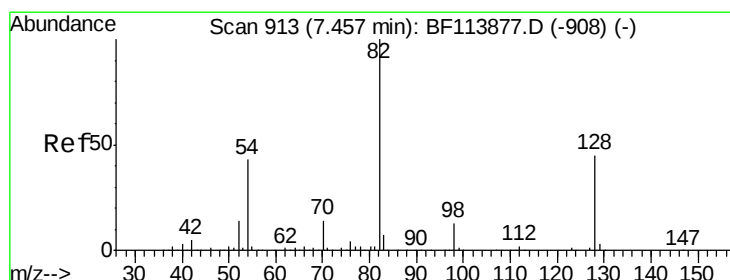
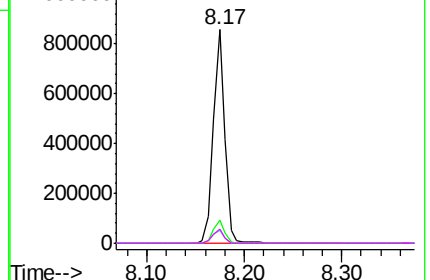
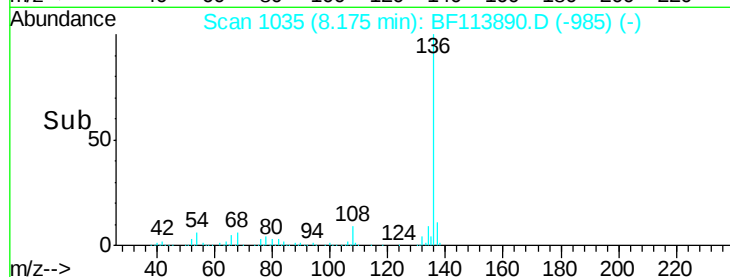


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.389 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

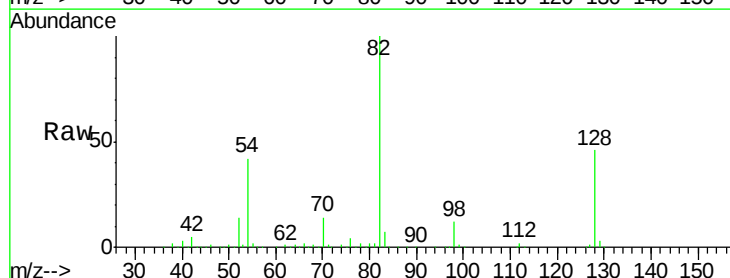
Tgt Ion: 82 Resp: 897949

Ion Ratio Lower Upper

82 100

128 46.1 36.8 55.2

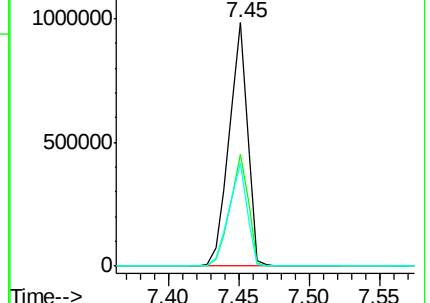
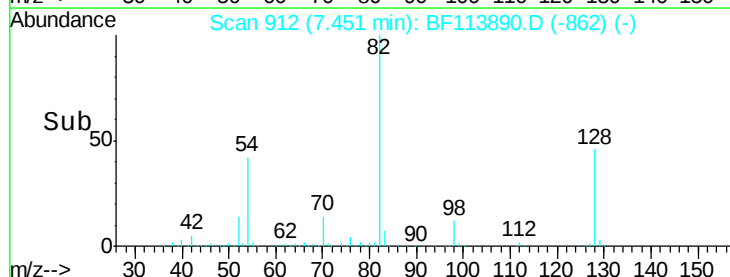
54 42.5 33.8 50.6

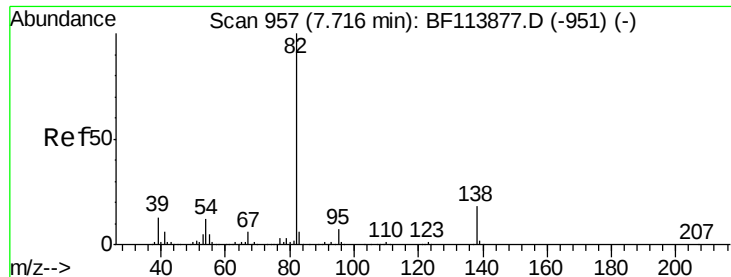


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 38.799 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Instrument :

BNA_F

ClientSampleId :

TP-16

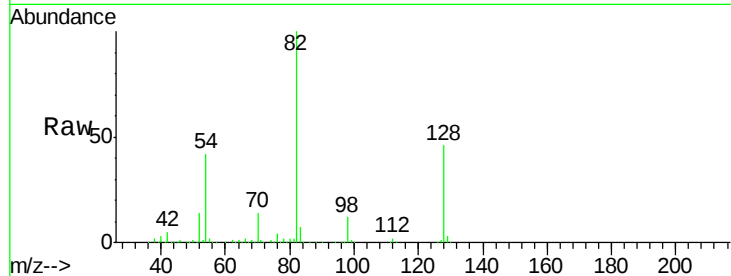
Tot Ion: 82 Resp: 897933

Ion Ratio Lower Upper

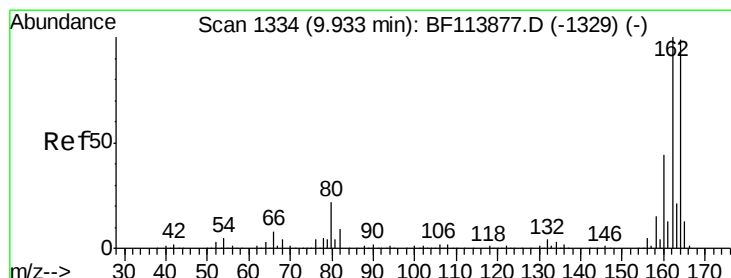
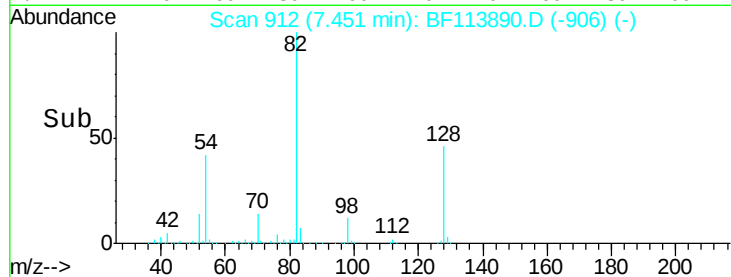
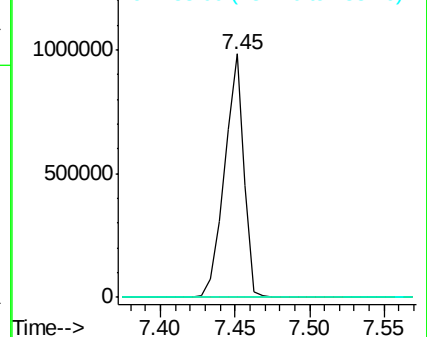
82 100

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: BF113890.D

Acq: 22 Apr 2019 20:57

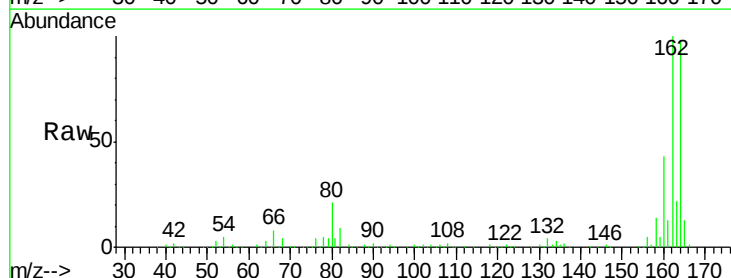
Tgt Ion: 164 Resp: 345330

Ion Ratio Lower Upper

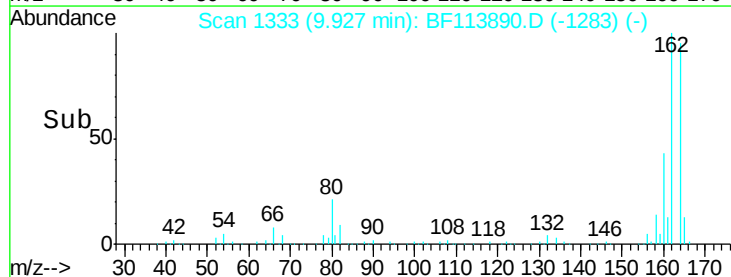
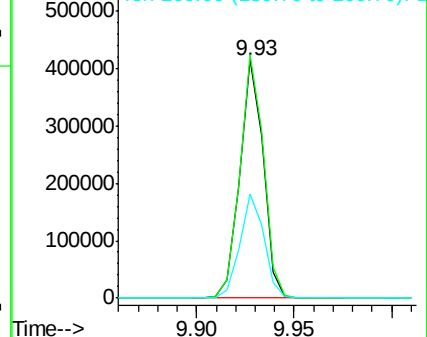
164 100

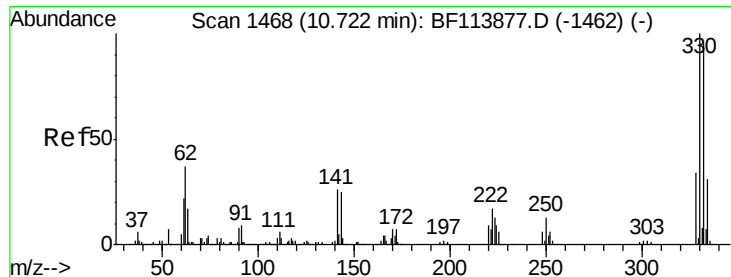
162 102.1 81.1 121.7

160 43.8 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: 105.199 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.01 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Instrument :

BNA_F

ClientSampleId :

TP-16

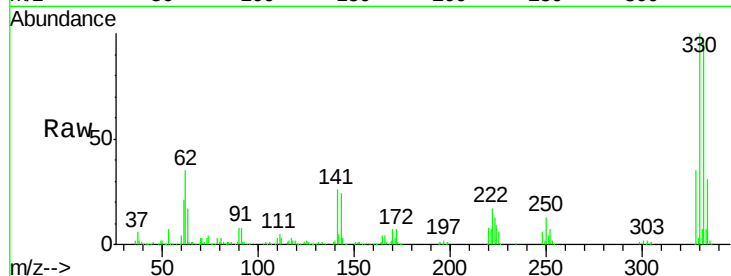
Tot Ion:330 Resp: 442552

Ion Ratio Lower Upper

330 100

332 96.3 77.5 116.3

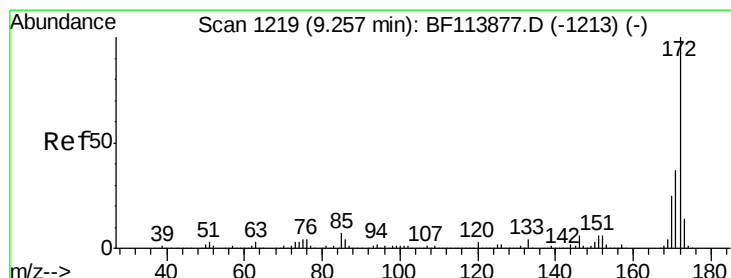
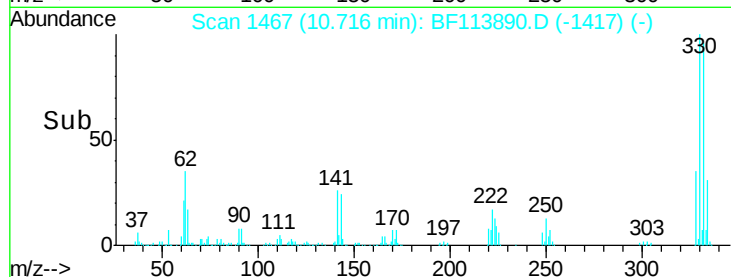
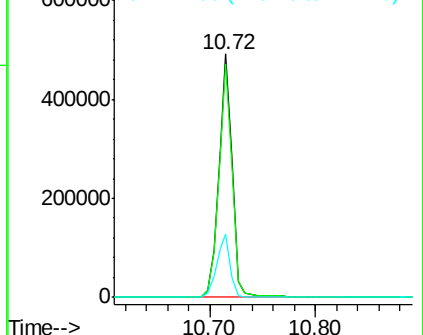
141 26.4 22.2 33.2



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: 79.169 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

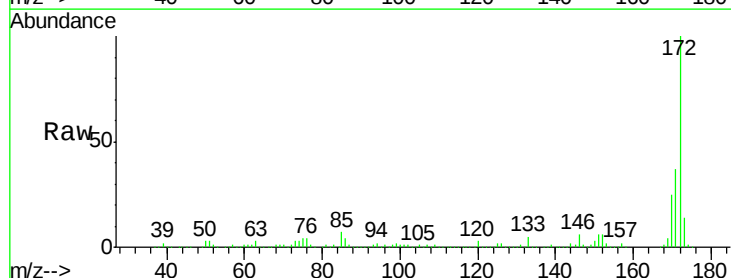
Tgt Ion:172 Resp: 1748009

Ion Ratio Lower Upper

172 100

171 37.2 29.4 44.0

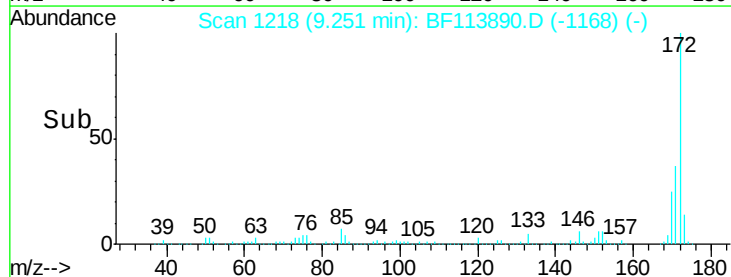
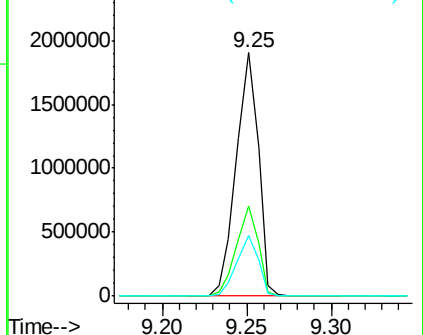
170 25.1 19.9 29.9

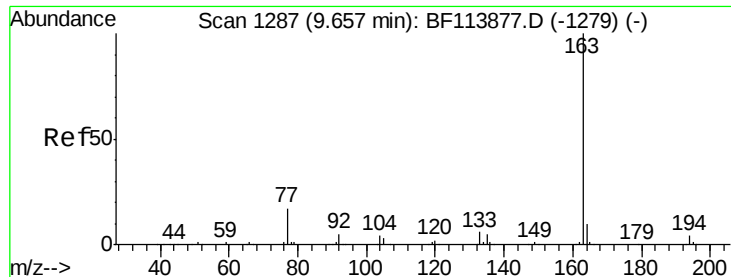


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 5.794 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Instrument :

BNA_F

ClientSampleId :

TP-16

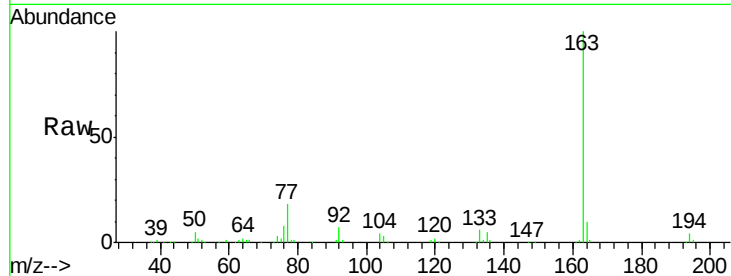
Tot Ion:163 Resp: 144707

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

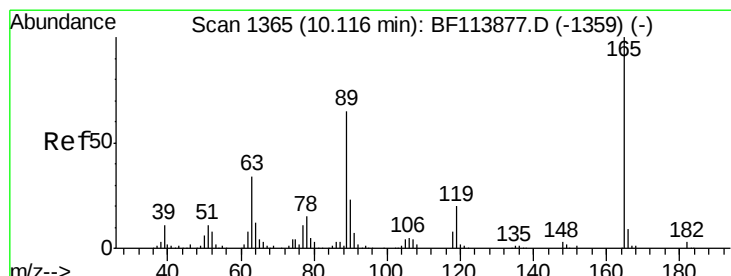
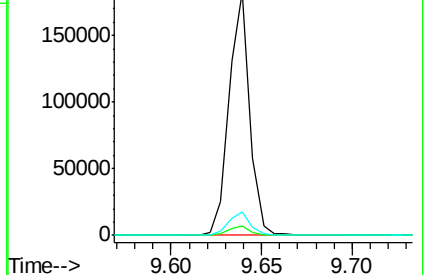
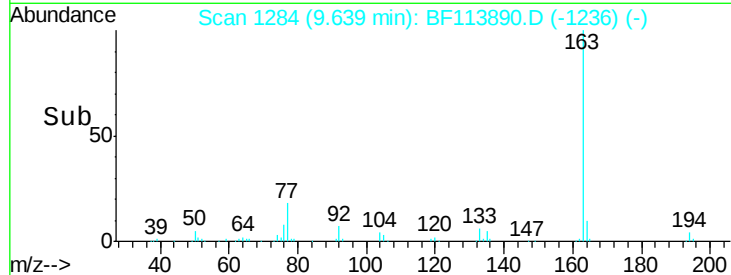
164 9.5 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.514 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.19 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Tgt Ion:165 Resp: 44055

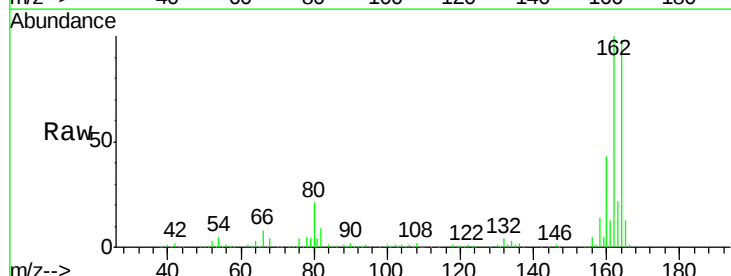
Ion Ratio Lower Upper

165 100

63 0.8 27.4 41.0#

89 1.3 51.8 77.6#

182 0.0 2.2 3.2#

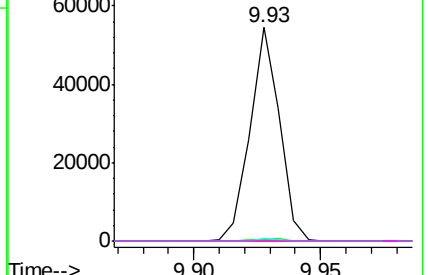
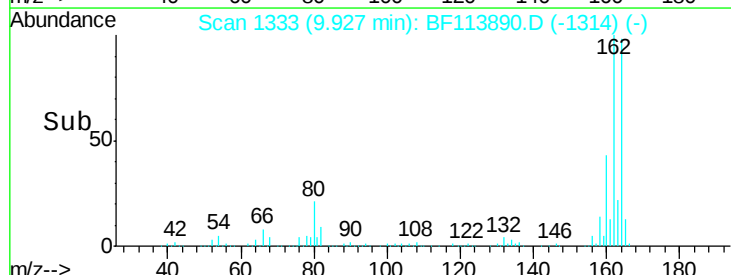


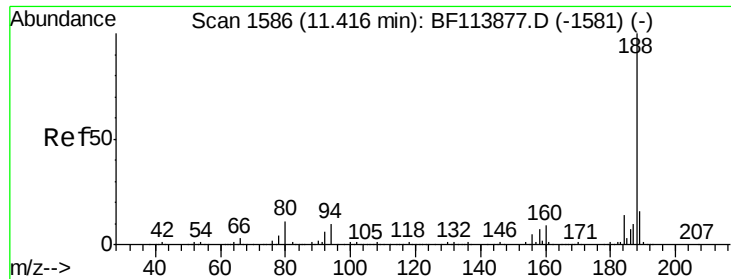
Abundance Ion 165.00 (164.70 to 165.70): E

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. -0.01 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Instrument :

BNA_F

ClientSampleId :

TP-16

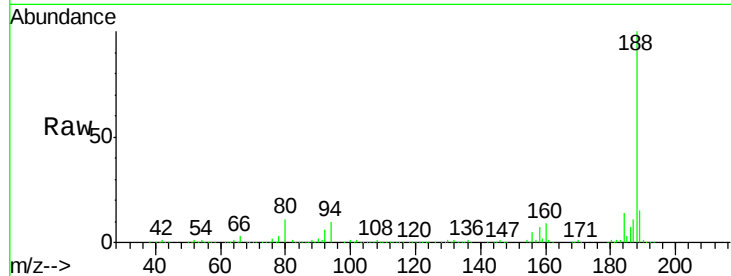
Tot Ion:188 Resp: 607318

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.4

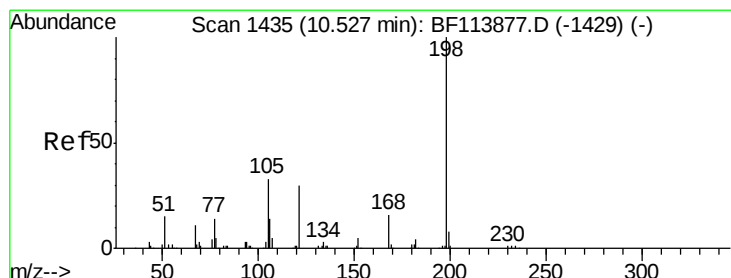
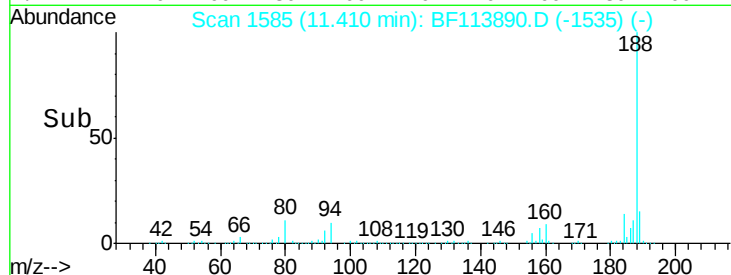
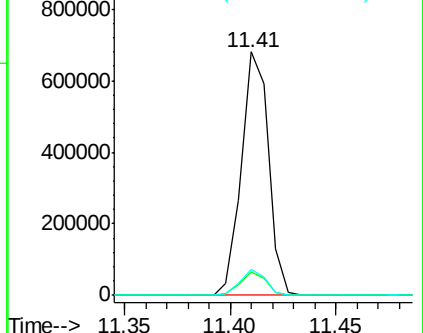
80 10.9 9.0 13.6



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: 7.484 ng

RT: 10.72 min Scan# 1467

Delta R.T. 0.19 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

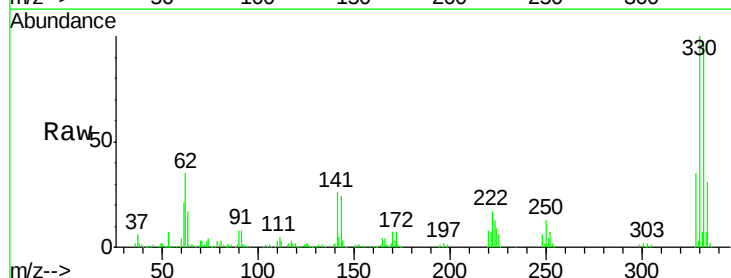
Tgt Ion:198 Resp: 579

Ion Ratio Lower Upper

198 100

51 130.7 11.1 51.1#

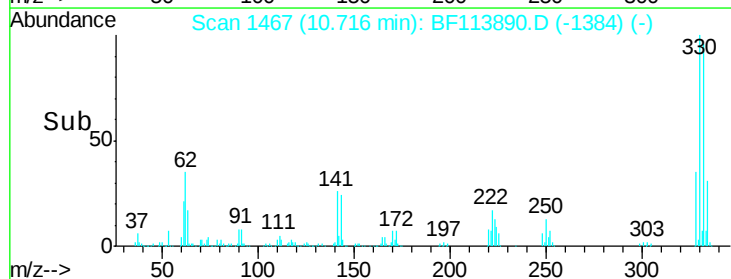
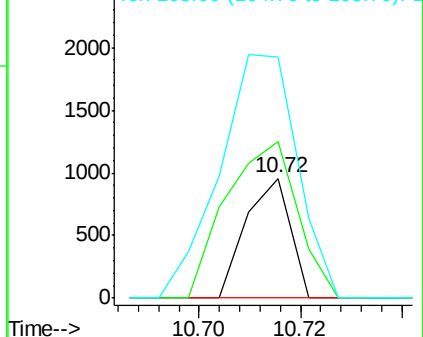
105 201.8 20.7 60.7#

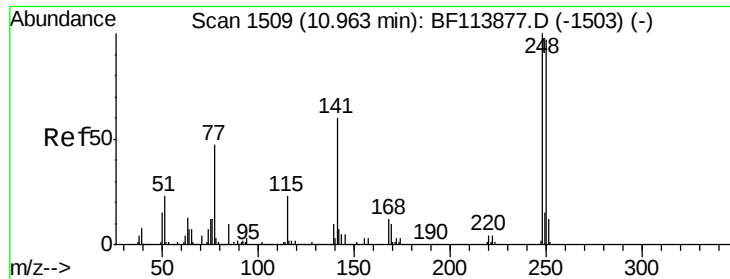


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

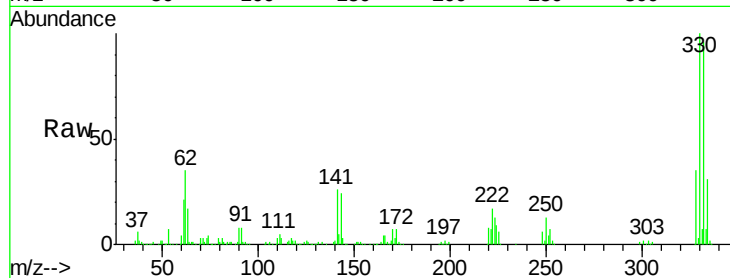




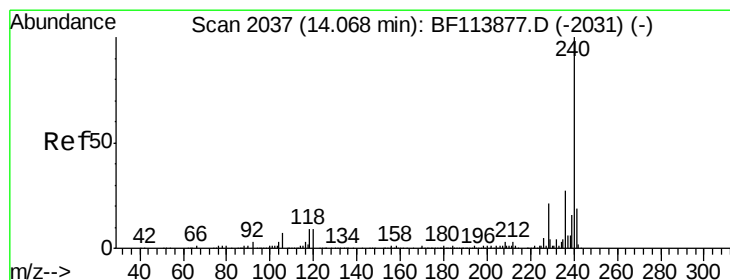
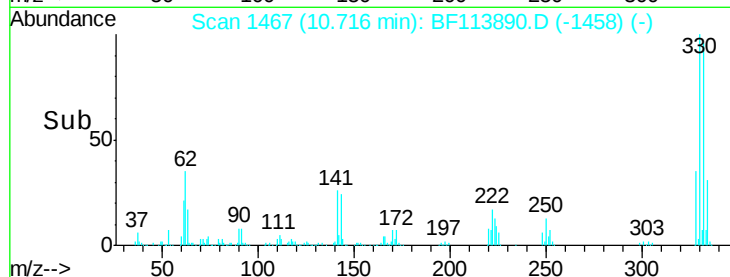
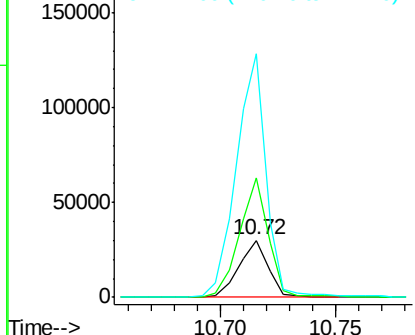
#67
4-Bromophenyl-phenylether
Concen: 3.615 ng
RT: 10.72 min Scan# 1467
Delta R.T. -0.25 min
Lab File: BF113890.D
Acq: 22 Apr 2019 20:57

Instrument :
BNA_F
ClientSampleId :
TP-16

Tot Ion:248 Resp: 26521
Ion Ratio Lower Upper
248 100
250 208.4 75.8 113.6#
141 426.8 50.2 75.4#

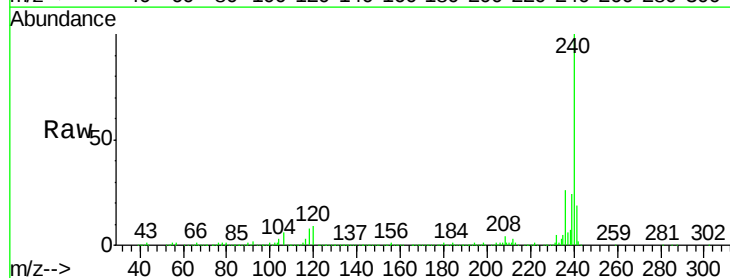


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

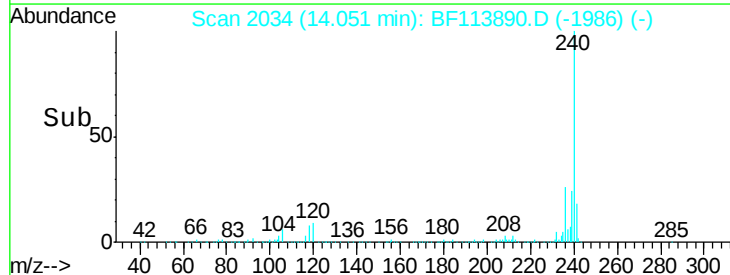
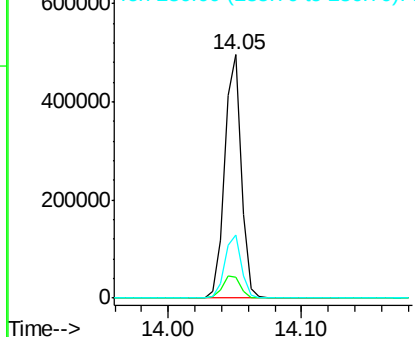


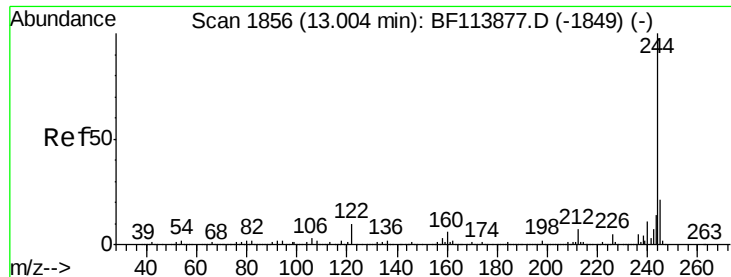
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.02 min
Lab File: BF113890.D
Acq: 22 Apr 2019 20:57

Tgt Ion:240 Resp: 437008
Ion Ratio Lower Upper
240 100
120 8.8 9.3 13.9#
236 26.1 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: 79.254 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.01 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Instrument :

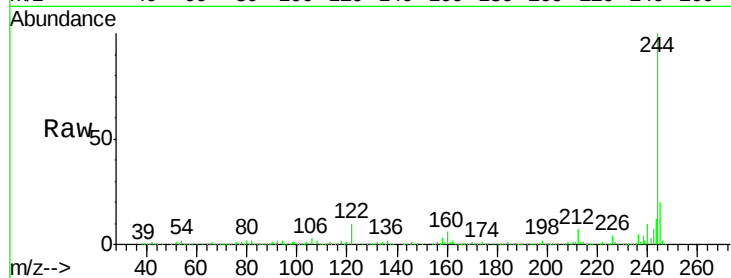
BNA_F

ClientSampleId :

TP-16

Tot Ion:244 Resp: 1689379

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	9.8	7.6	11.4

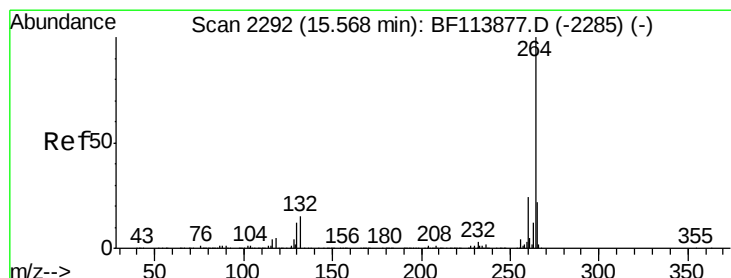
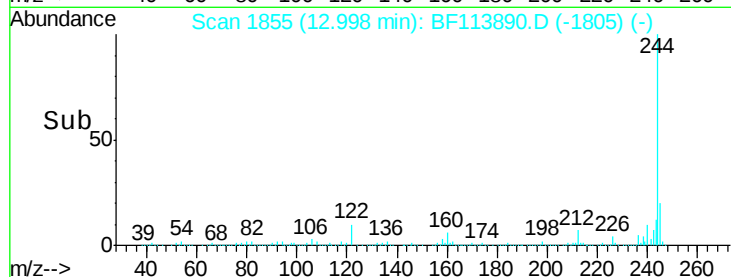
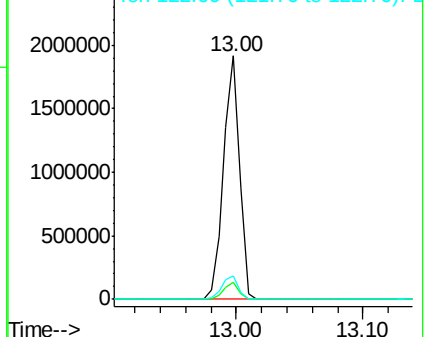


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

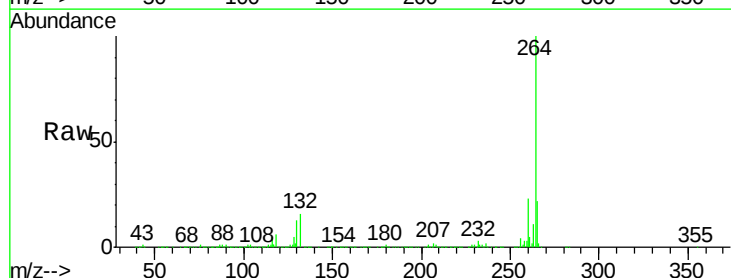
Delta R.T. -0.04 min

Lab File: BF113890.D

Acq: 22 Apr 2019 20:57

Tgt Ion:264 Resp: 547363

Ion	Ratio	Lower	Upper
264	100		
260	23.2	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

