

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092550.D
 Acq On : 27 Jan 2017 2:53
 Operator : SJ/MA
 Sample : I1452-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-44

Quant Time: Jan 27 04:52:56 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 24 13:48:07 2017
 Response via : Initial Calibration

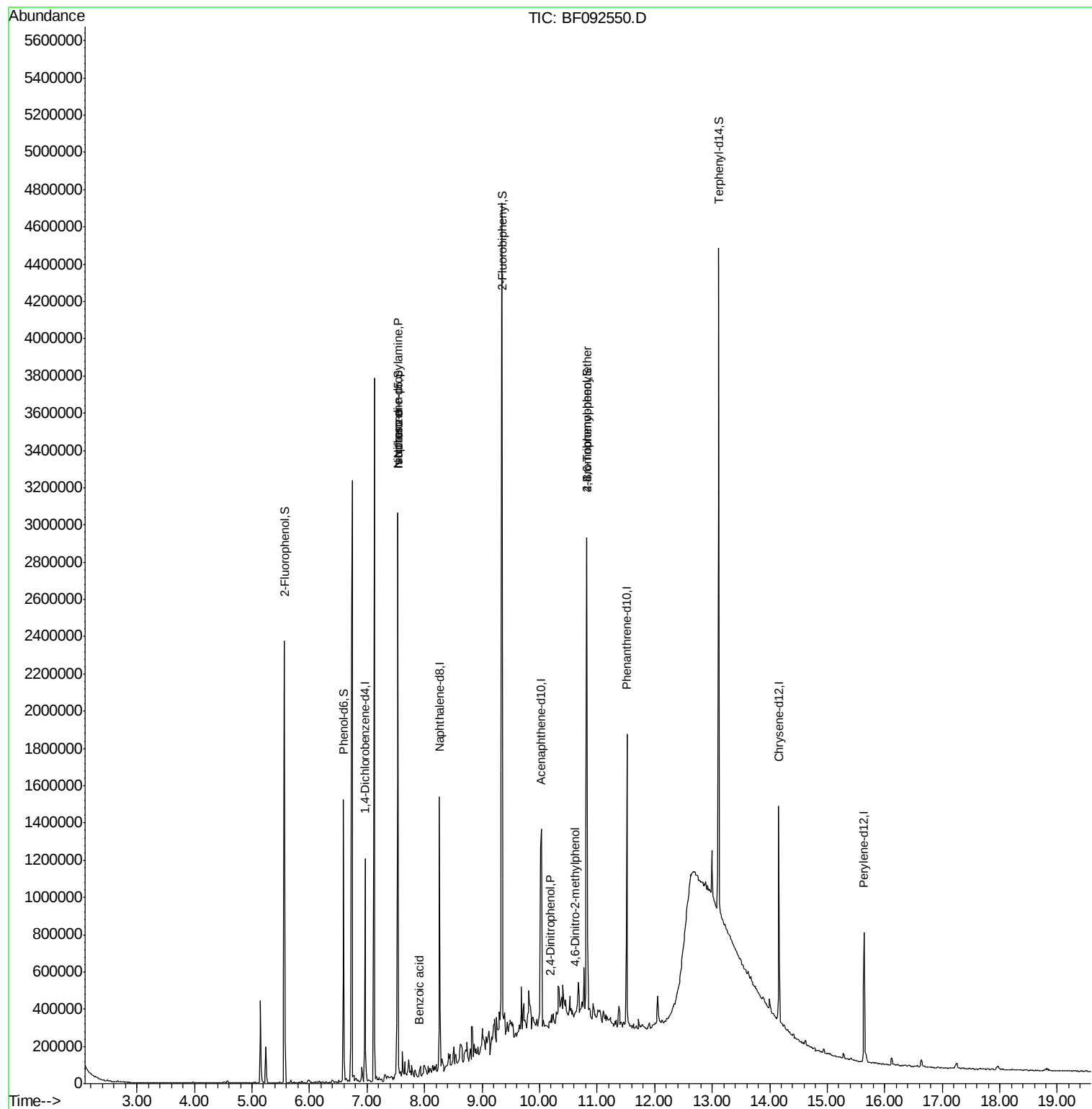
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	161728	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	632930	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	353186	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	584840	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	409121	20.00	ng	-0.01
86) Perylene-d12	15.64	264	318836	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	582826	56.07	ng	0.01
7) Phenol-d6	6.59	99	512355	38.70	ng	0.00
23) Nitrobenzene-d5	7.54	82	1154631	99.65	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	320961	133.35	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1646738	86.22	ng	-0.01
78) Terphenyl-d14	13.12	244	1489256	96.93	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	163273	18.11	ng	# 82
25) Isophorone	7.54	82	1086405	47.58	ng	# 65
32) Benzoic acid	7.92	122	1364	4.85	ng	# 54
53) 2,4-Dinitrophenol	10.18	184	818	3.40	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.62	198	1822	5.47	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	23823	4.03	ng	# 1

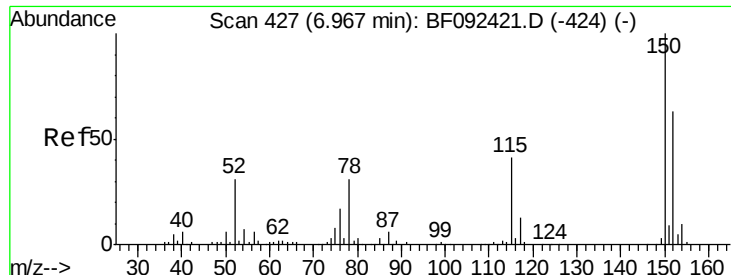
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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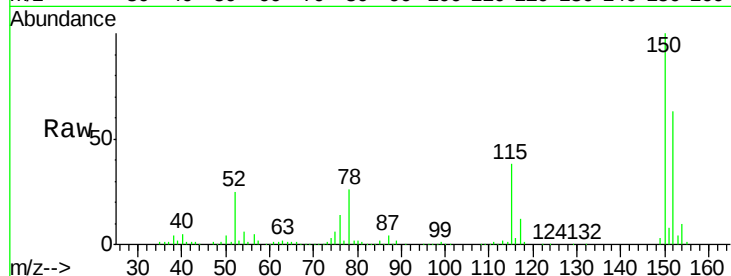


#1

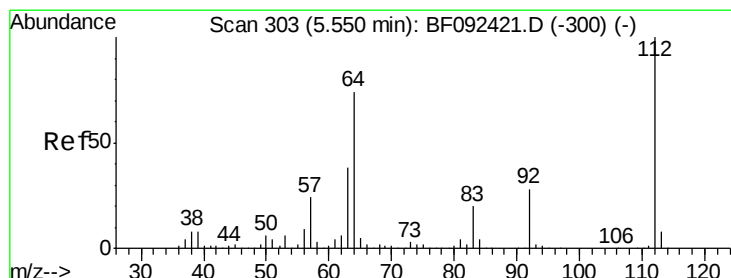
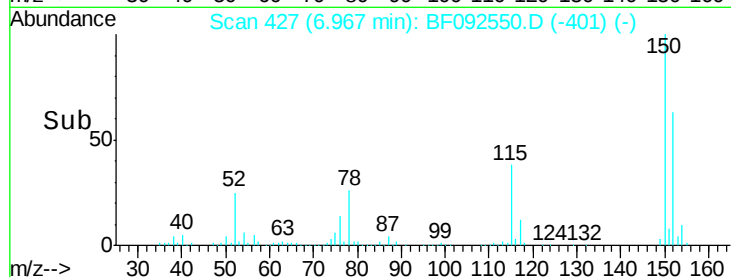
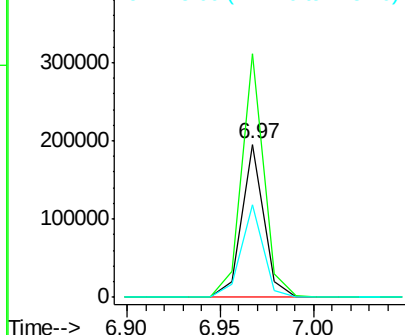
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Instrument :
BNA_F
ClientSampleId :
W-44

Tgt Ion:152 Resp: 161728
Ion Ratio Lower Upper
152 100
150 159.1 124.9 187.3
115 60.1 46.0 69.0



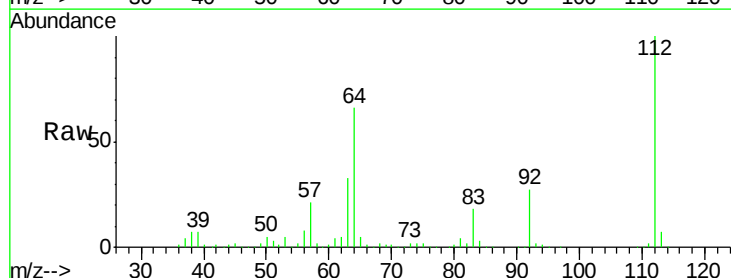
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



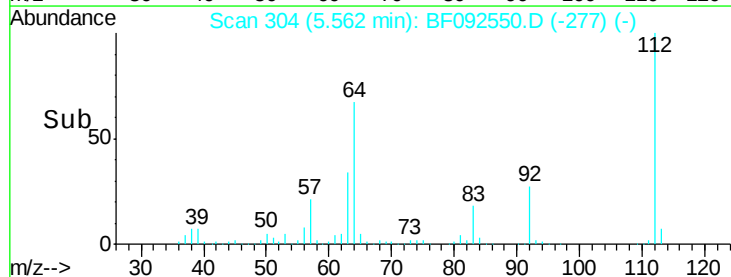
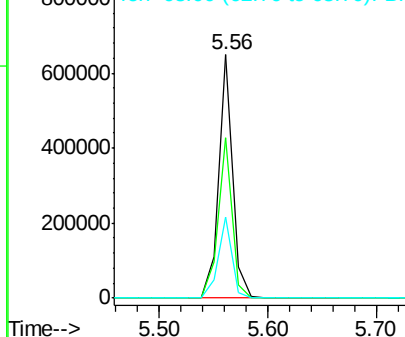
#5

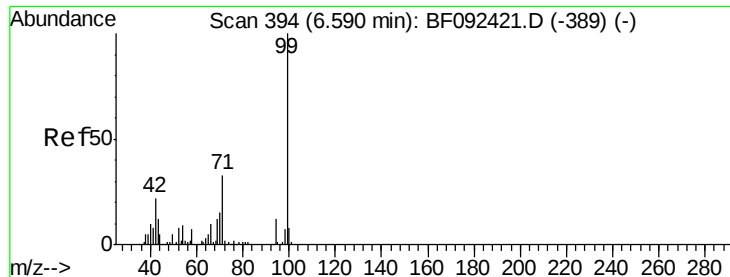
2-Fluorophenol
Concen: 56.07 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion:112 Resp: 582826
Ion Ratio Lower Upper
112 100
64 65.7 46.1 69.1
63 33.2 23.8 35.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 38.70 ng

RT: 6.59 min Scan# 394

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

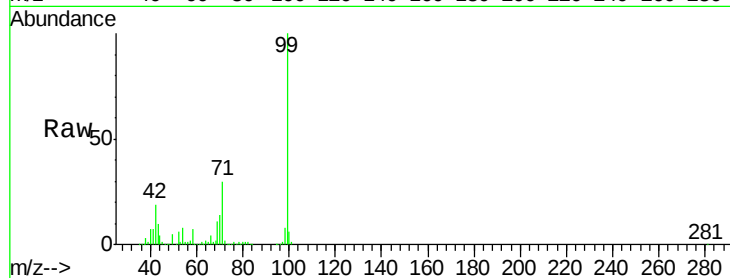
Tgt Ion: 99 Resp: 512355

Ion Ratio Lower Upper

99 100

42 19.1 15.6 23.4

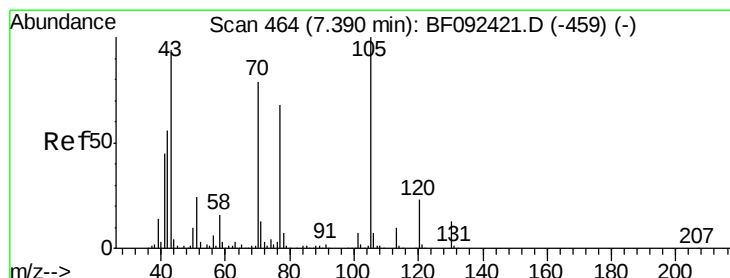
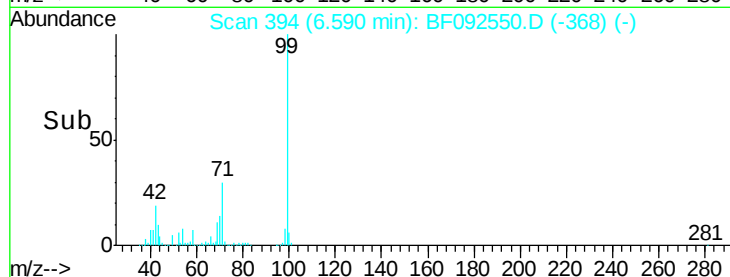
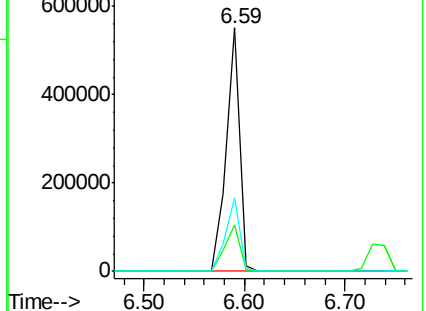
71 30.4 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 18.11 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Tgt Ion: 70 Resp: 163273

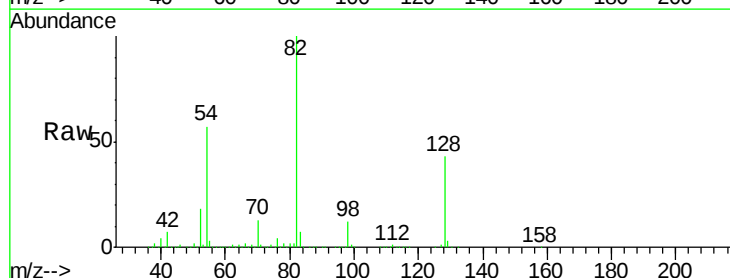
Ion Ratio Lower Upper

70 100

42 52.4 49.4 74.0

101 0.0 7.4 11.2#

130 2.2 14.2 21.4#

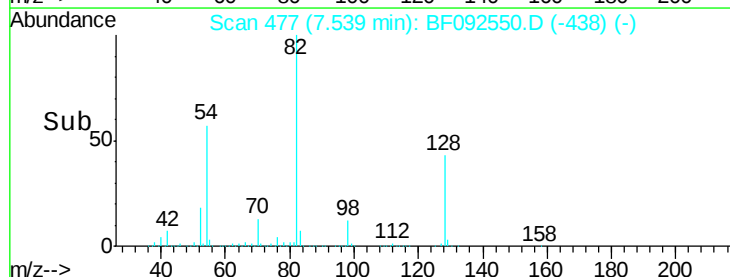
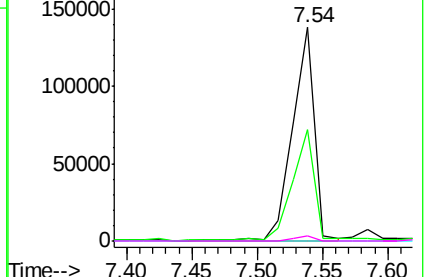


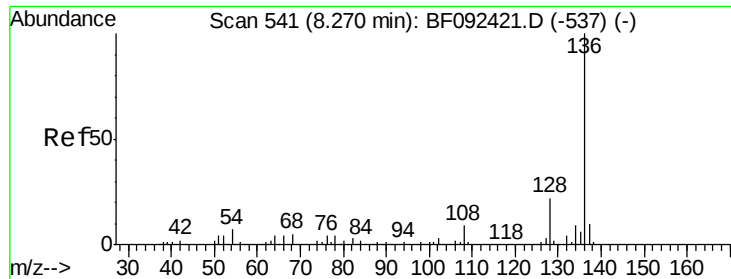
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 540

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

Tgt Ion:136 Resp: 632930

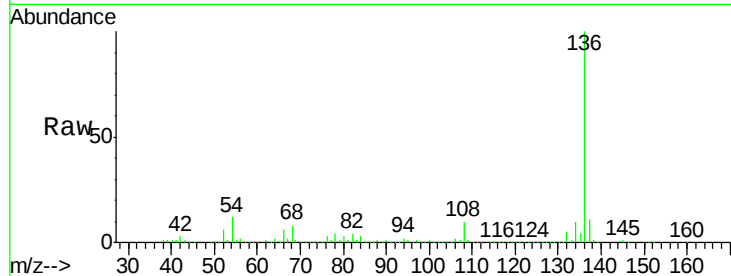
Ion Ratio Lower Upper

136 100

137 11.1 8.4 12.6

54 11.7 4.5 6.7#

68 8.4 3.6 5.4#

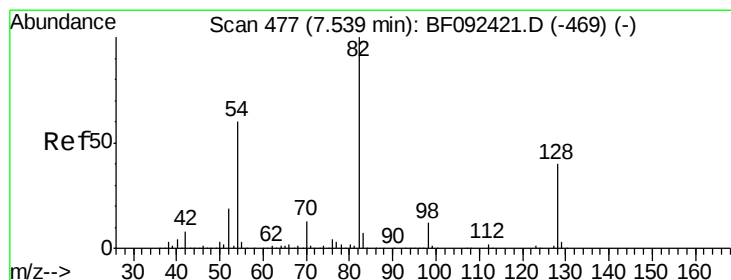
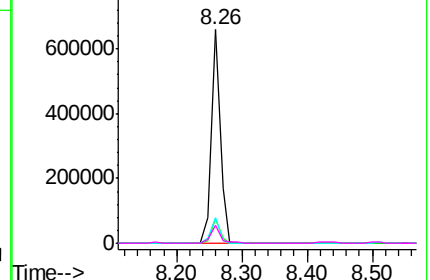
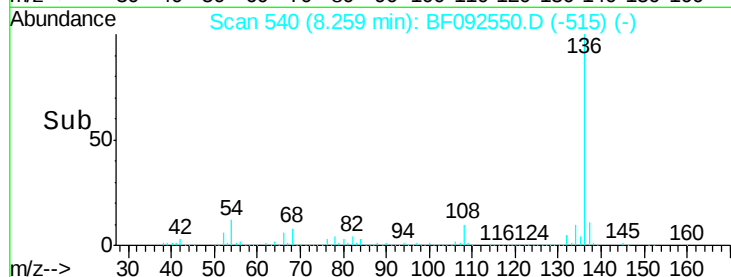


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 99.65 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

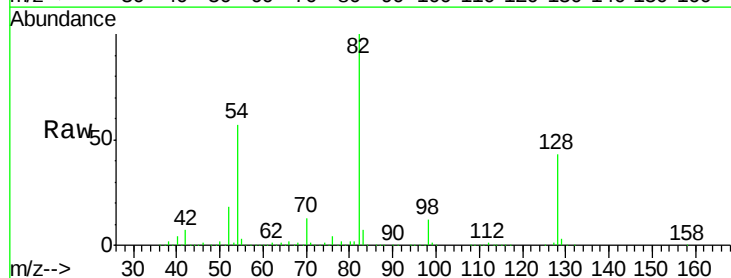
Tgt Ion: 82 Resp: 1154631

Ion Ratio Lower Upper

82 100

128 43.5 34.6 52.0

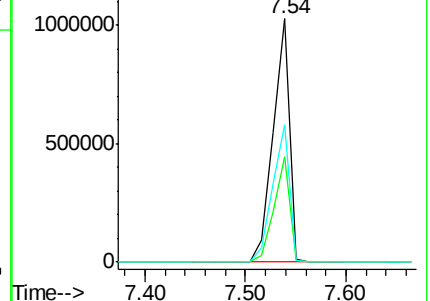
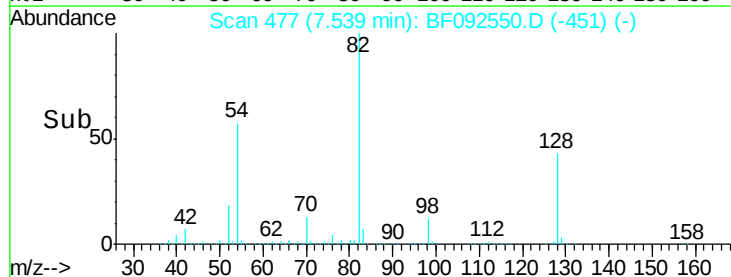
54 56.6 39.5 59.3

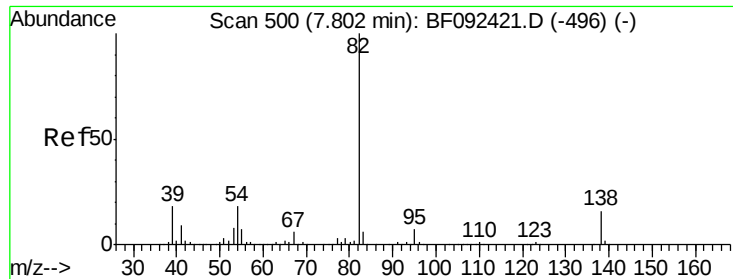


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 47.58 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampled :

W-44

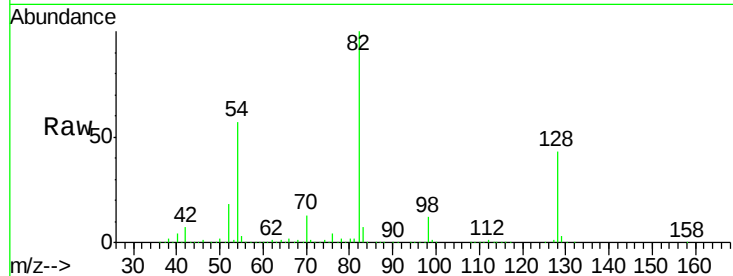
Tgt Ion: 82 Resp: 1086405

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

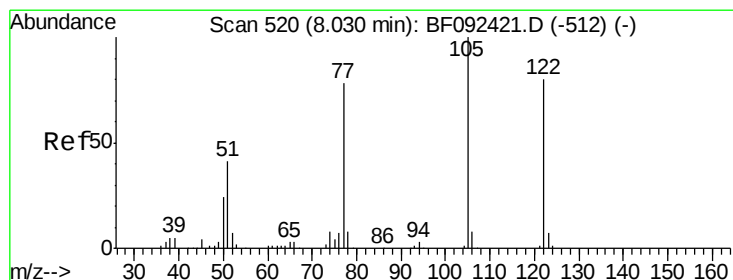
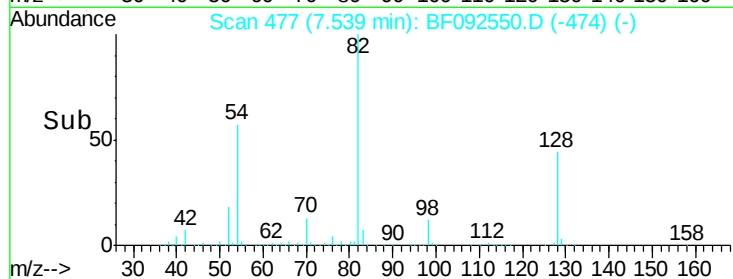
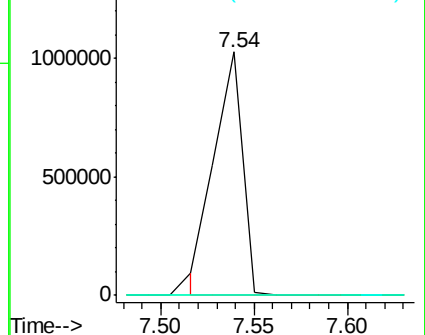
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#32

Benzoic acid

Concen: 4.85 ng

RT: 7.92 min Scan# 510

Delta R.T. -0.11 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

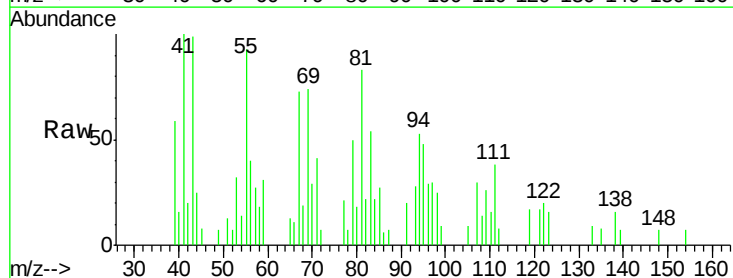
Tgt Ion: 122 Resp: 1364

Ion Ratio Lower Upper

122 100

105 46.1 107.2 147.2#

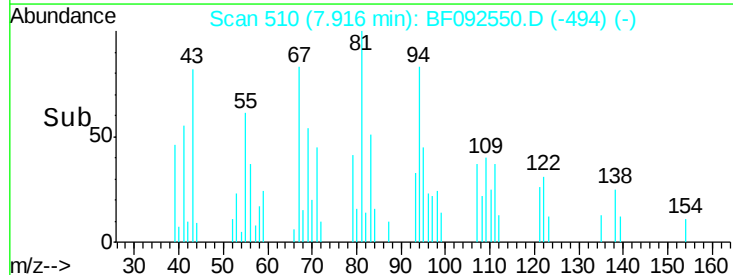
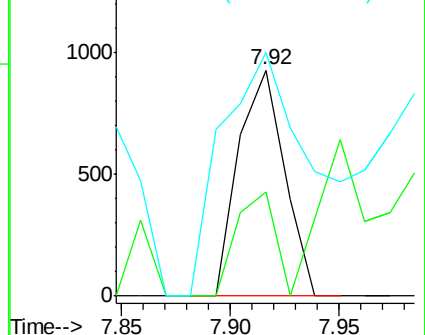
77 107.6 74.5 114.5

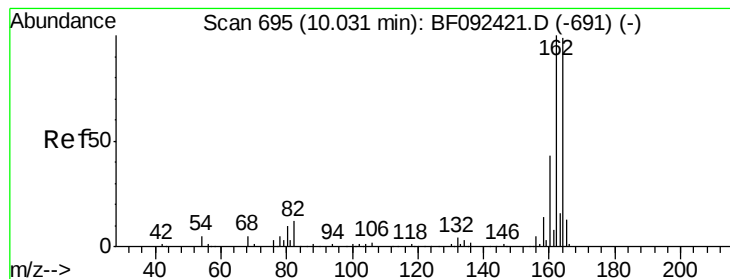


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

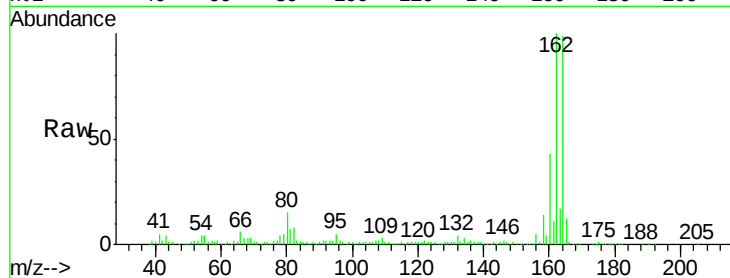
Tgt Ion:164 Resp: 353186

Ion Ratio Lower Upper

164 100

162 101.4 80.2 120.2

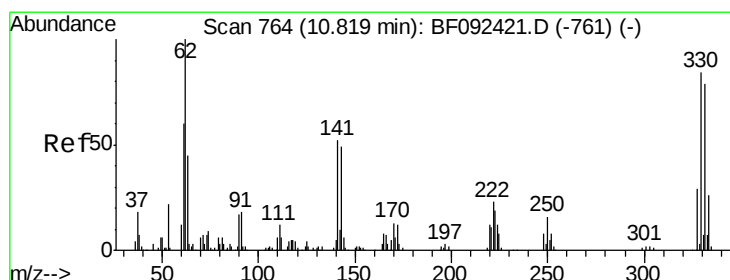
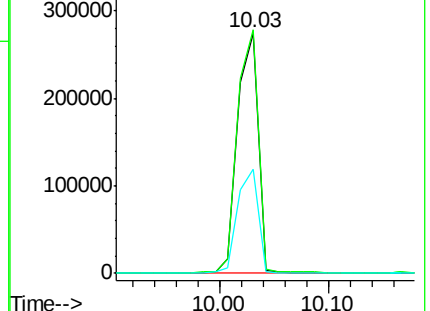
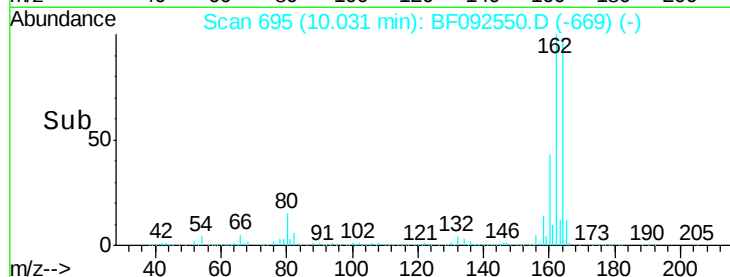
160 43.1 36.9 55.3



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



#41

2,4,6-Tribromophenol

Concen: 133.35 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

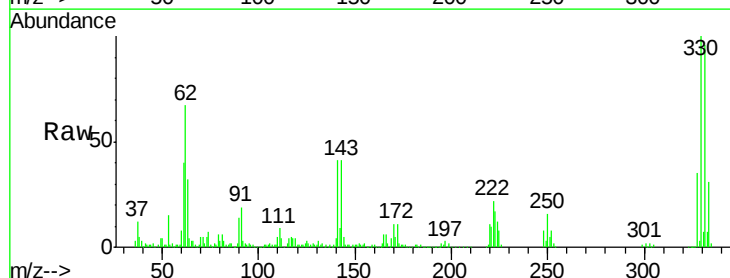
Tgt Ion:330 Resp: 320961

Ion Ratio Lower Upper

330 100

332 96.4 77.4 116.2

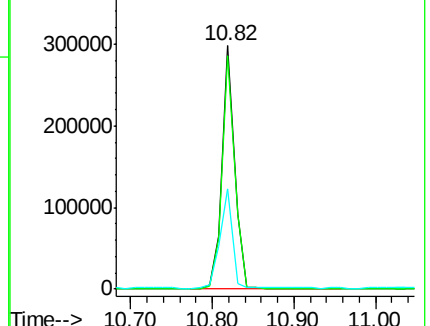
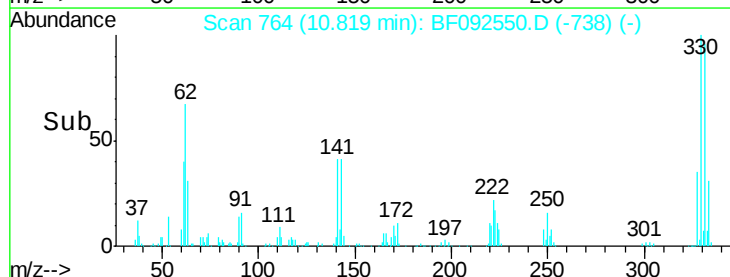
141 39.9 34.1 51.1

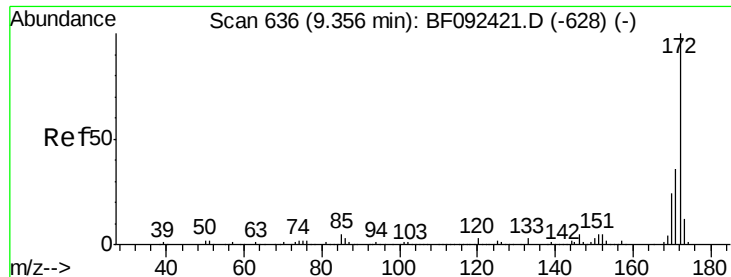


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

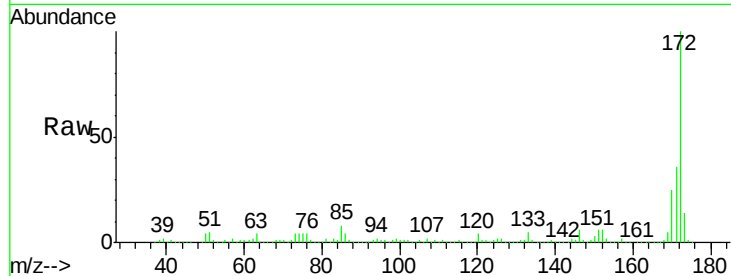




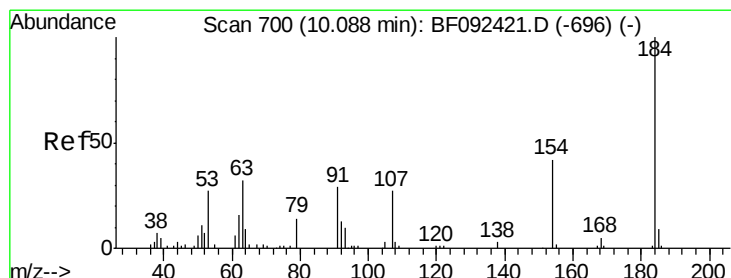
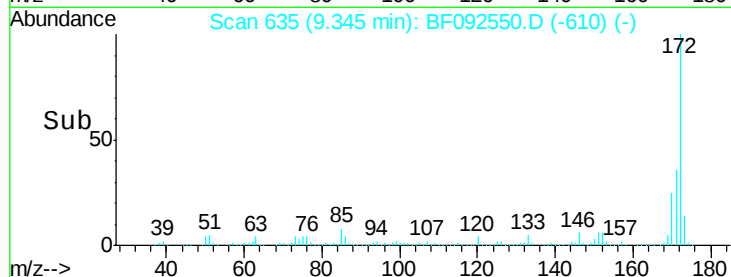
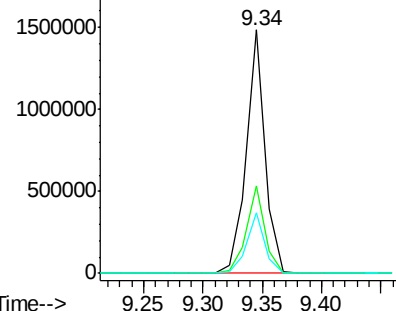
#44
 2-Fluorobiphenyl
 Concen: 86.22 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

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Tgt Ion:172 Resp: 1646738
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.4 44.0
 170 24.8 20.2 30.4

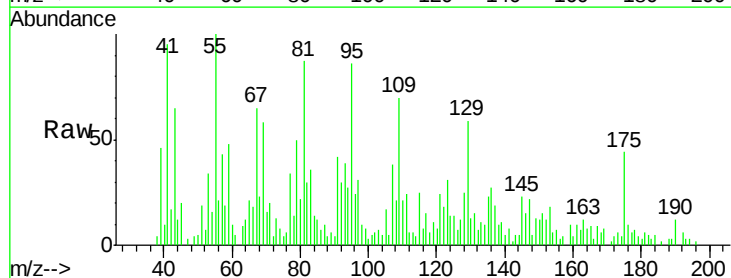


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

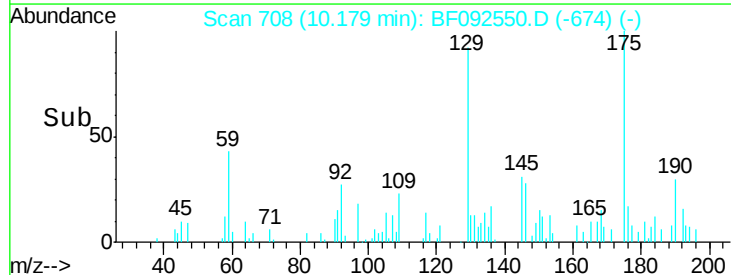
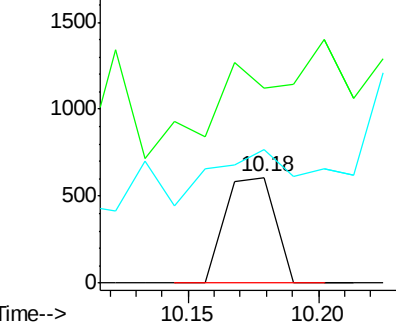


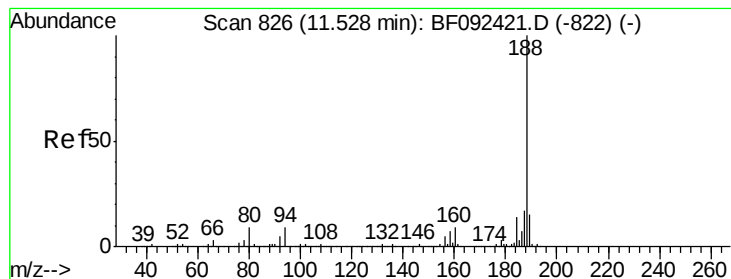
#53
 2,4-Dinitrophenol
 Concen: 3.40 ng
 RT: 10.18 min Scan# 708
 Delta R.T. 0.09 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

Tgt Ion:184 Resp: 818
 Ion Ratio Lower Upper
 184 100
 63 183.9 28.4 42.6#
 154 125.8 44.3 66.5#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.52 min Scan# 825

Delta R.T. -0.01 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

Instrument :

BNA_F

ClientSampleId :

W-44

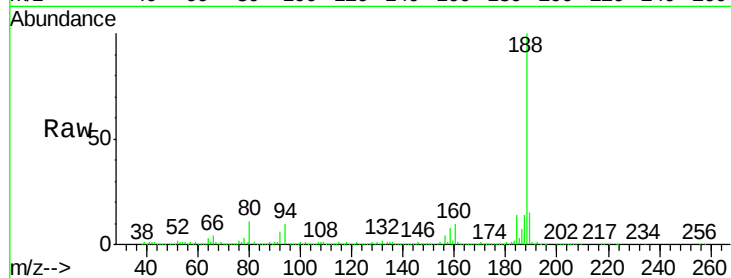
Tgt Ion:188 Resp: 584840

Ion Ratio Lower Upper

188 100

94 10.2 10.0 15.0

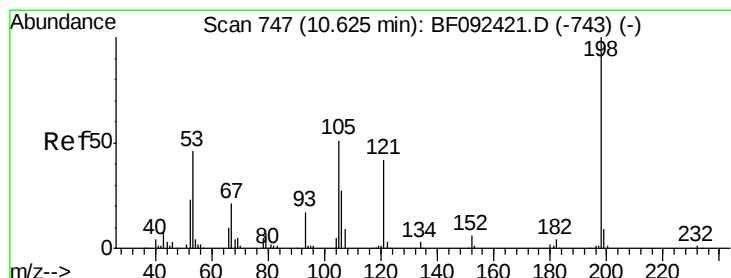
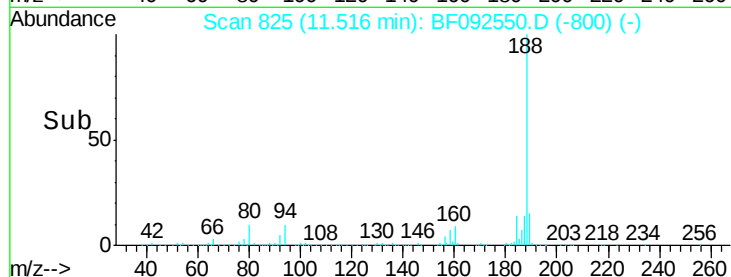
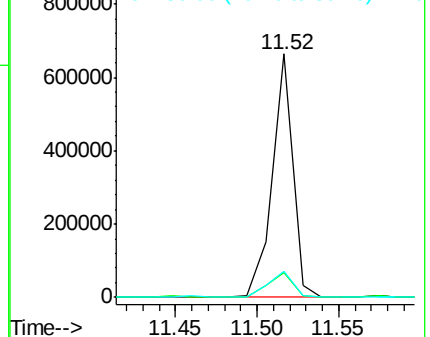
80 10.8 11.2 16.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 5.47 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.00 min

Lab File: BF092550.D

Acq: 27 Jan 2017 2:53

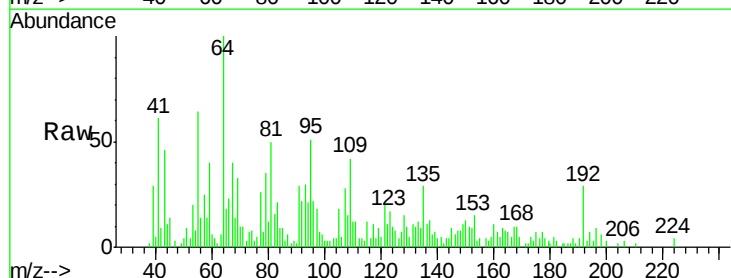
Tgt Ion:198 Resp: 1822

Ion Ratio Lower Upper

198 100

51 151.8 6.7 46.7#

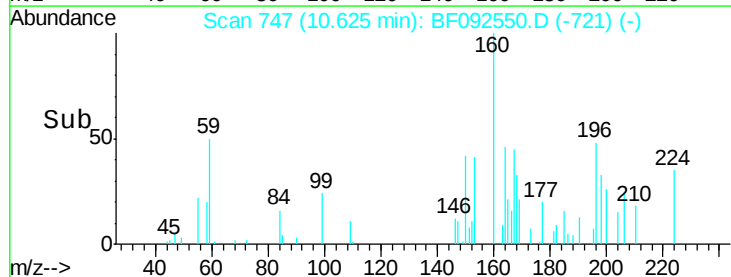
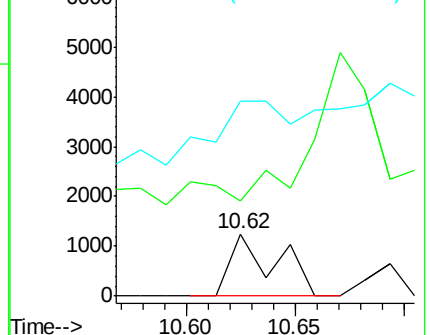
105 312.5 16.6 56.6#

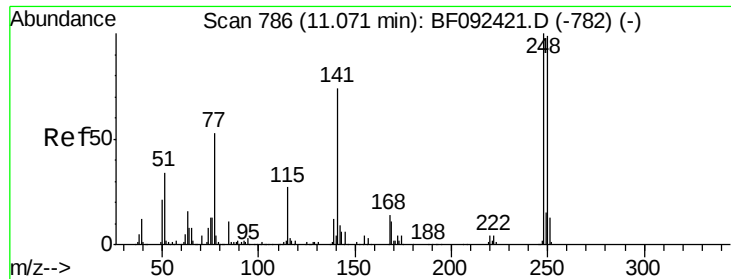


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

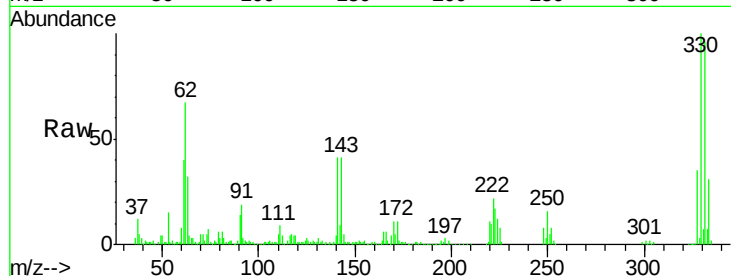




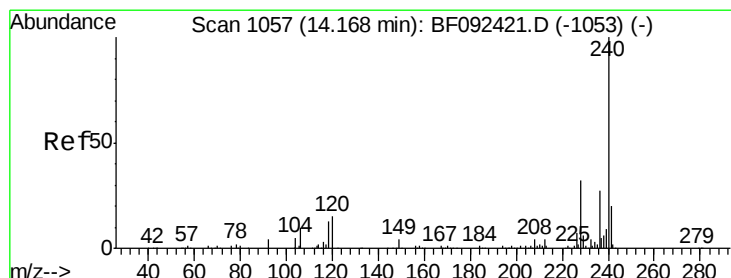
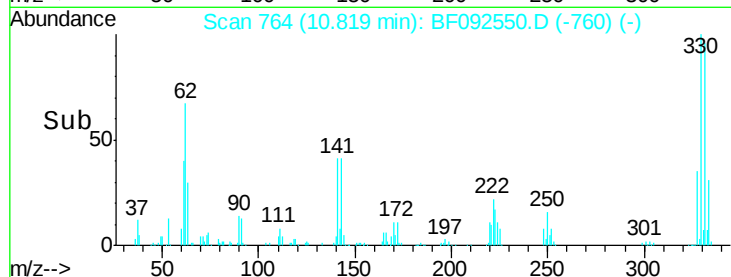
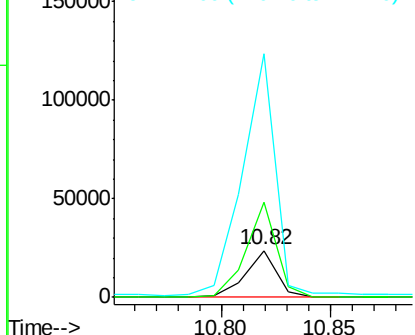
#66
4-Bromophenyl-phenylether
Concen: 4.03 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.25 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Instrument :
BNA_F
ClientSampleId :
W-44

Tgt Ion:248 Resp: 23823
Ion Ratio Lower Upper
248 100
250 204.7 76.9 115.3#
141 520.6 68.2 102.4#

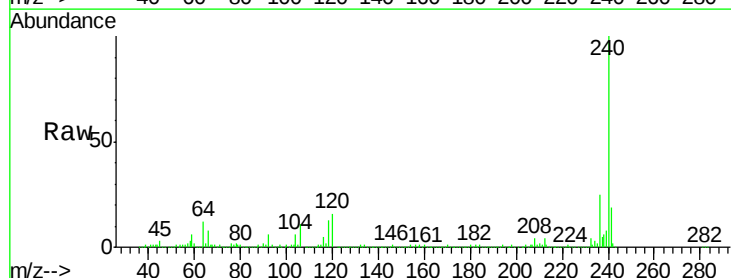


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

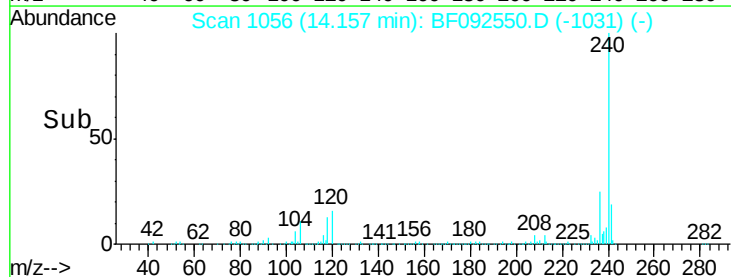
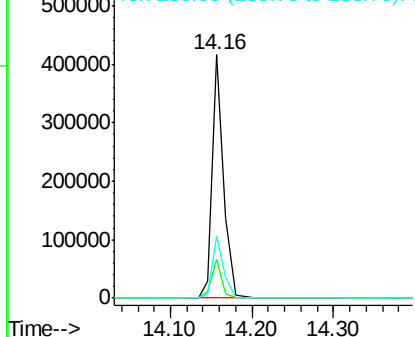


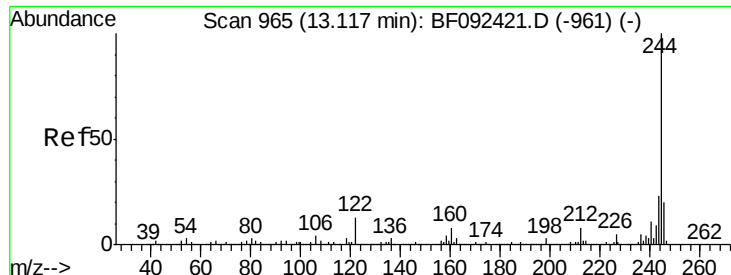
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF092550.D
Acq: 27 Jan 2017 2:53

Tgt Ion:240 Resp: 409121
Ion Ratio Lower Upper
240 100
120 16.0 12.9 19.3
236 25.5 20.9 31.3



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

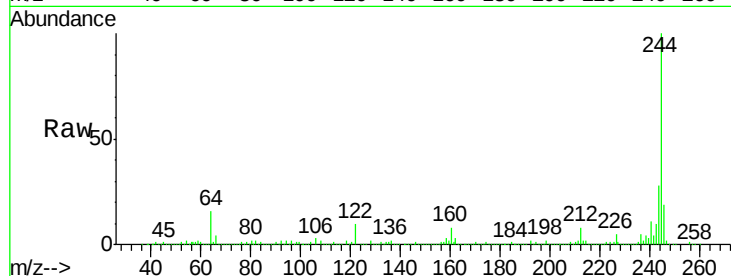




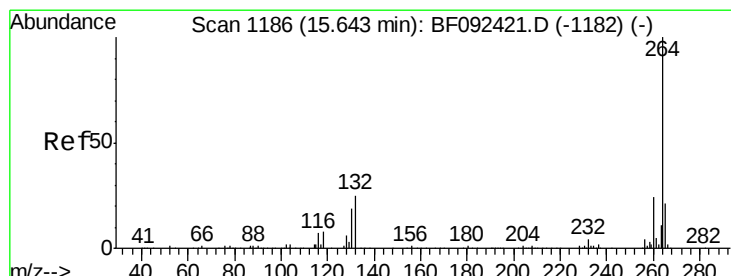
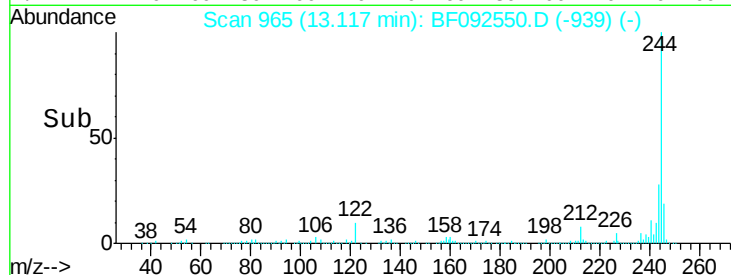
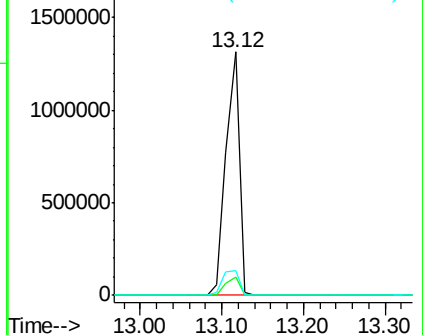
#78
 Terphenyl-d14
 Concen: 96.93 ng
 RT: 13.12 min Scan# 965
 Delta R.T. 0.00 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

Instrument :
 BNA_F
 ClientSampleId :
 W-44

Tgt Ion:244 Resp: 1489256
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.2 9.2
 122 10.3 11.4 17.2#

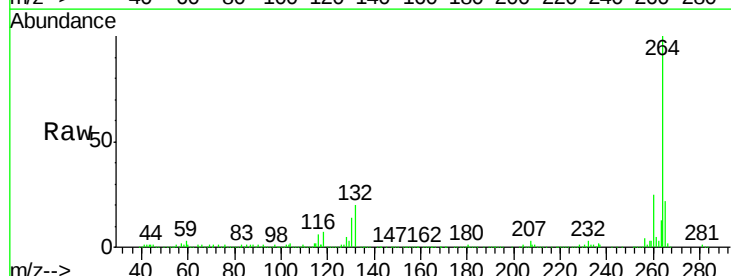


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.64 min Scan# 1186
 Delta R.T. 0.00 min
 Lab File: BF092550.D
 Acq: 27 Jan 2017 2:53

Tgt Ion:264 Resp: 318836
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.2 28.8
 265 21.8 17.4 26.0



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

