

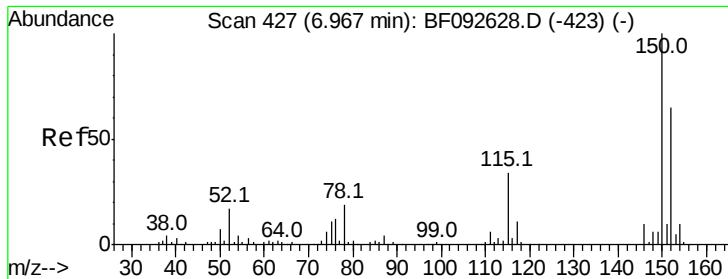
Data Path : Z:\HPCHEM1\BNA F\Data\BF021417\
 Data File : BF092937.D
 Acq On : 14 Feb 2017 12:10
 Operator : SJ/MA
 Sample : I1789-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 14 12:37:20 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	146886	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	612667	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	327916	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	475029	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	322277	20.00	ng	-0.02
86) Perylene-d12	15.47	264	278931	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	424034	49.53	ng	0.13
7) Phenol-d6	6.53	99	105549	9.58	ng	0.00
23) Nitrobenzene-d5	7.46	82	1040546	94.58	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	215221	90.75	ng	-0.01
44) 2-Fluorobiphenyl	9.24	172	1633205	90.23	ng	0.00
78) Terphenyl-d14	13.00	244	1176594	85.78	ng	0.01
Target Compounds						
2) 1,4-Dioxane	2.51	88	28514	6.16	ng	# 71
16) 2,2'-oxybis(1-Chloropropan	7.01	45	179596	10.05	ng	93
19) n-Nitroso-di-n-propylamine	7.33	70	16700	2.38	ng	# 35
25) Isophorone	7.46	82	946102	46.15	ng	# 65
27) 2,4-Dimethylphenol	7.94	122	28435	3.02	ng	# 1
32) Benzoic acid	8.02	122	225514	43.07	ng	99
49) Dimethylphthalate	9.63	163	52304	2.37	ng	96
50) 2,6-Dinitrotoluene	9.92	165	77022	16.15	ng	# 32
54) Dibenzofuran	9.95	168	58027	2.26	ng	# 56
56) 2,4-Dinitrotoluene	9.95	165	18838	2.97	ng	# 43
59) Diethylphthalate	10.33	149	241819	11.62	ng	99
64) 4,6-Dinitro-2-methylphenol	10.70	198	622	2.87	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	16959	3.42	ng	# 1
69) Pentachlorophenol	11.21	266	318	7.32	ng	# 18

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

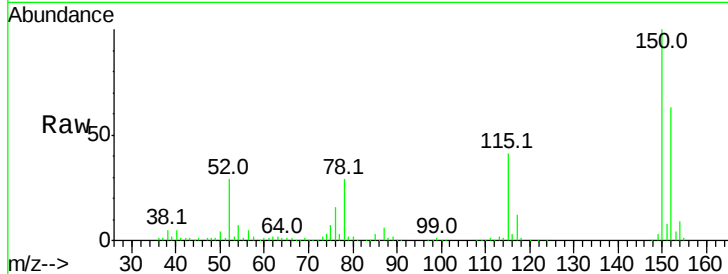


#1

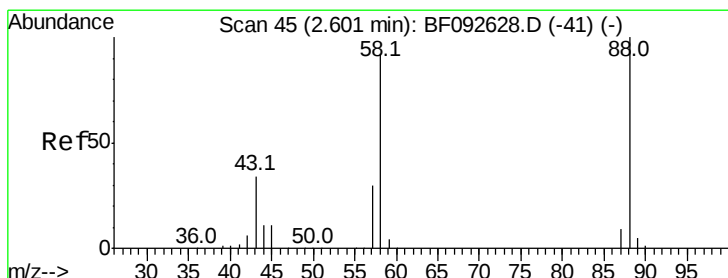
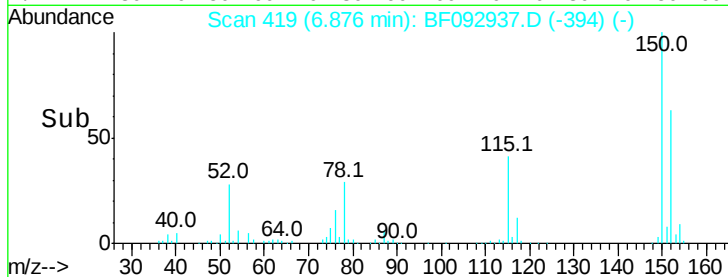
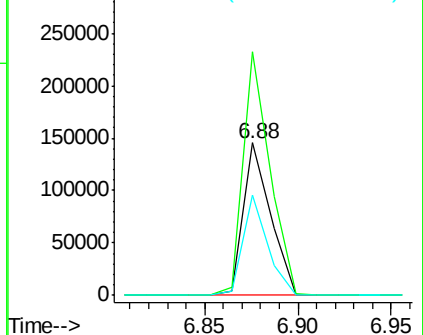
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 419
 Delta R.T. -0.01 min
 Lab File: BF092937.D
 Acq: 14 Feb 2017 12:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 146886
 Ion Ratio Lower Upper
 152 100
 150 159.6 124.9 187.3
 115 65.8 46.0 69.0



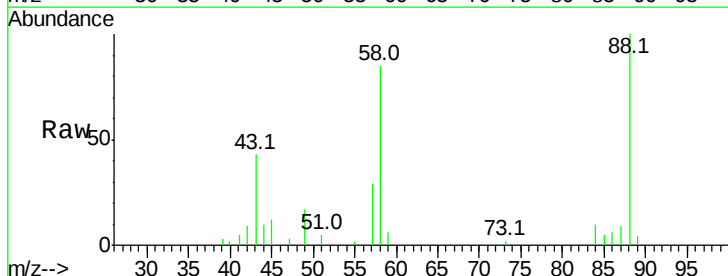
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



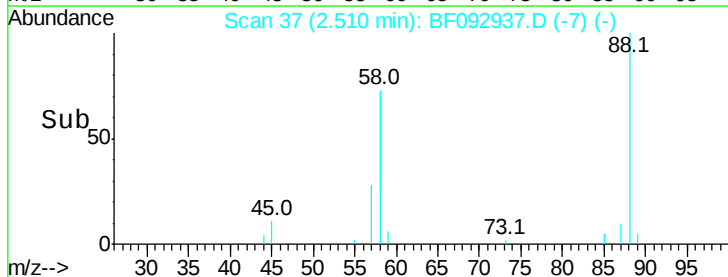
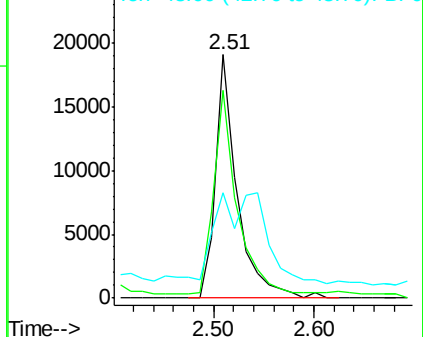
#2

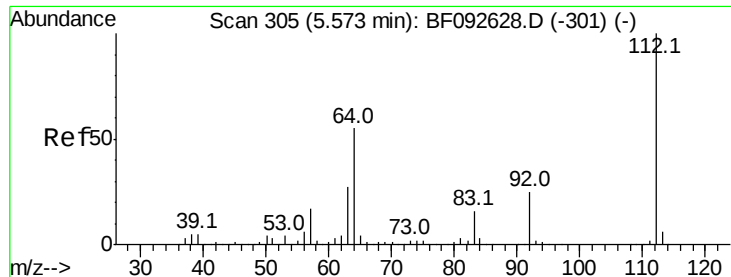
1,4-Dioxane
 Concen: 6.16 ng
 RT: 2.51 min Scan# 37
 Delta R.T. 0.05 min
 Lab File: BF092937.D
 Acq: 14 Feb 2017 12:10

Tgt Ion: 88 Resp: 28514
 Ion Ratio Lower Upper
 88 100
 58 89.0 57.8 86.8#
 43 0.0 22.3 33.5#



Abundance Ion 88.00 (87.70 to 88.70): BF0
 Ion 58.00 (57.70 to 58.70): BF0
 Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 49.53 ng

RT: 5.61 min Scan# 308

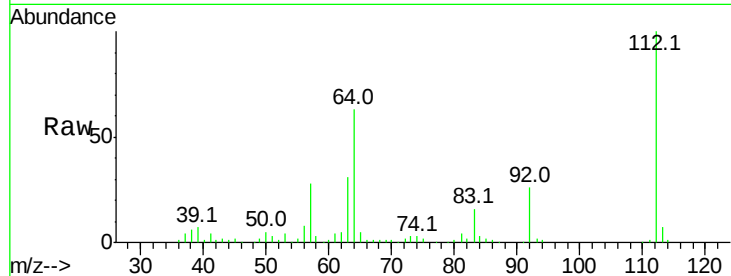
Delta R.T. 0.13 min

Lab File: BF092937.D

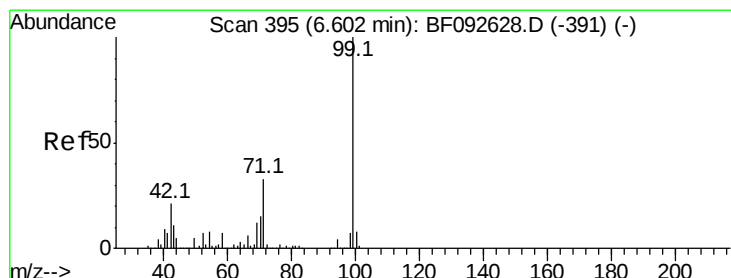
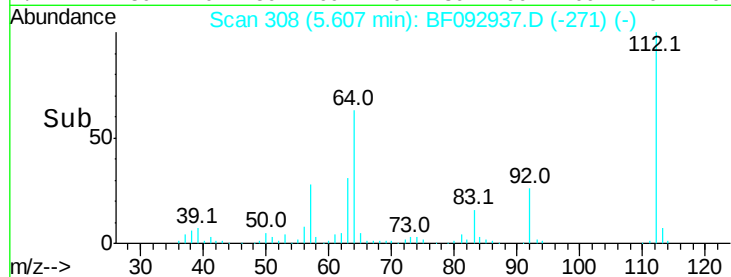
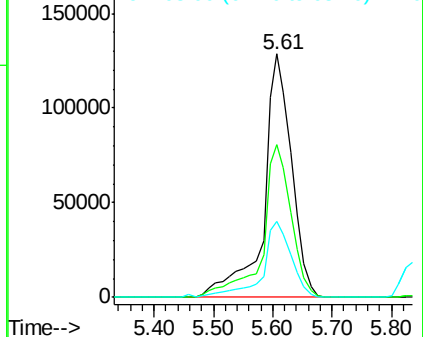
Acq: 14 Feb 2017 12:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	112	Resp:	424034
Ion	Ratio	Lower	Upper
112	100		
64	62.6	46.1	69.1
63	31.3	23.8	35.6



Abundance Ion 112.00 (111.70 to 112.70): E



#7

Phenol-d6

Concen: 9.58 ng

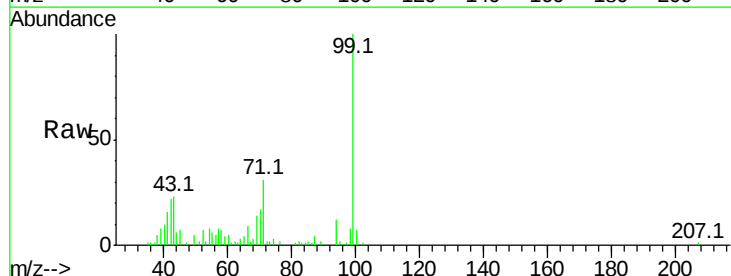
RT: 6.53 min Scan# 389

Delta R.T. -0.00 min

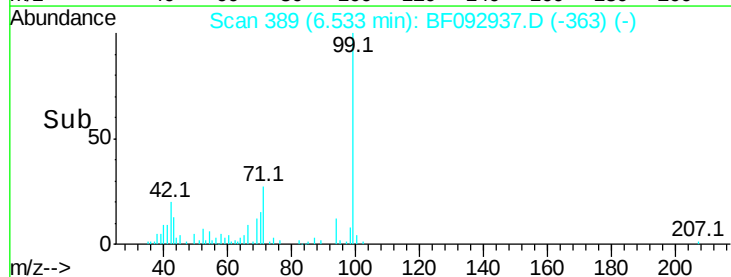
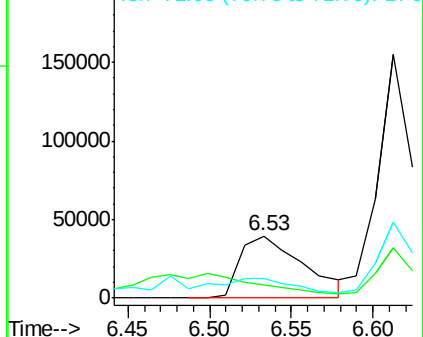
Lab File: BF092937.D

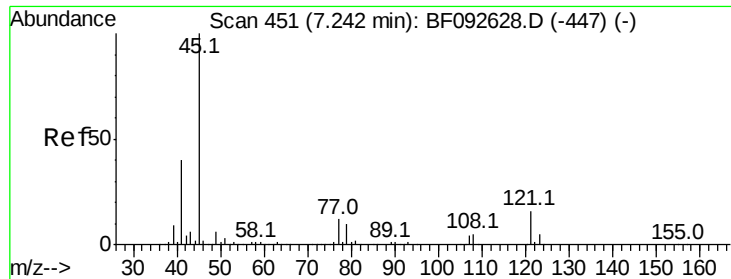
Acq: 14 Feb 2017 12:10

Tgt Ion:	99	Resp:	105549
Ion	Ratio	Lower	Upper
99	100		
42	21.8	15.6	23.4
71	30.8	27.5	41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

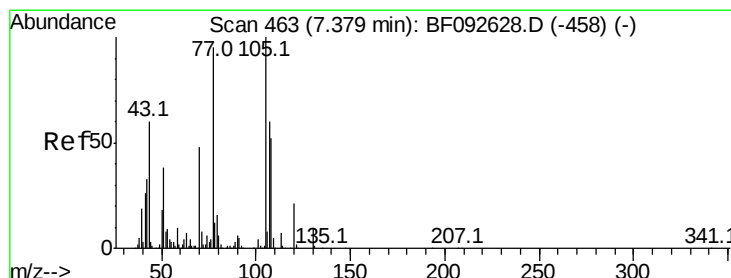
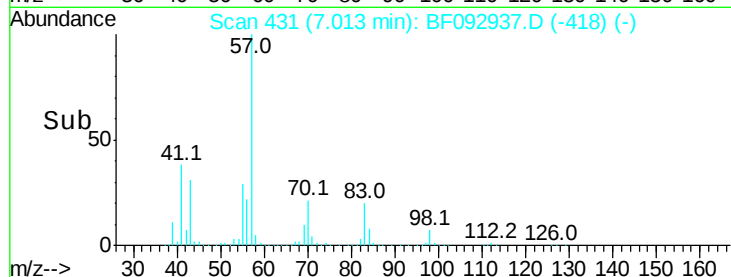
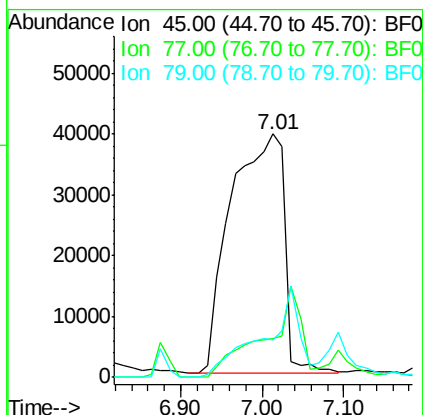
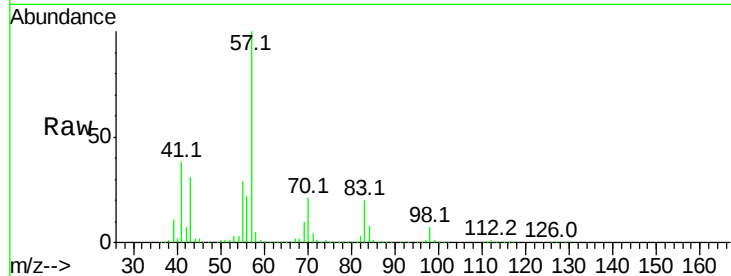




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 10.05 ng
RT: 7.01 min Scan# 431
Delta R.T. -0.15 min
Lab File: BF092937.D
Acq: 14 Feb 2017 12:10

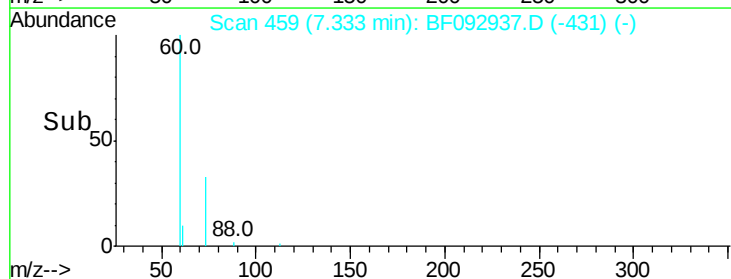
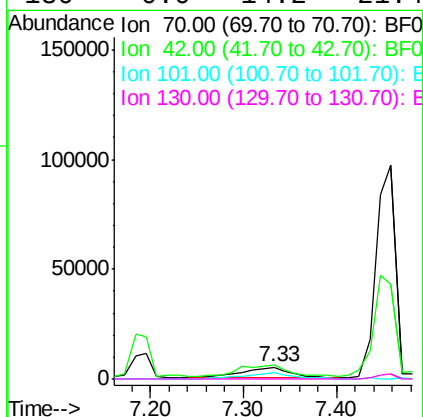
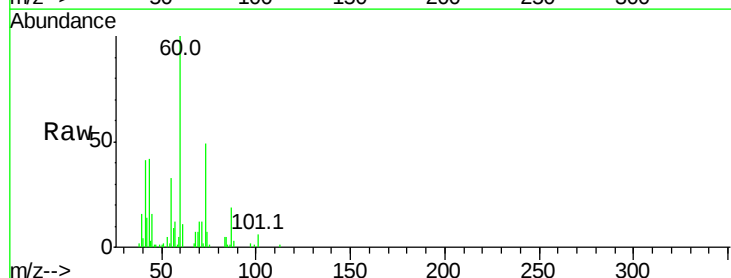
Instrument :
BNA_F
ClientSampleId :

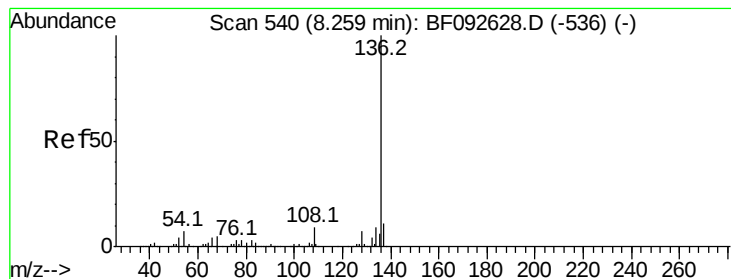
Tot Ion: 45 Resp: 179596
Ion Ratio Lower Upper
45 100
77 16.0 0.0 34.6
79 15.3 0.0 31.2



#19
n-Nitroso-di-n-propylamine
Concen: 2.38 ng
RT: 7.33 min Scan# 459
Delta R.T. 0.02 min
Lab File: BF092937.D
Acq: 14 Feb 2017 12:10

Tgt Ion: 70 Resp: 16700
Ion Ratio Lower Upper
70 100
42 112.1 49.4 74.0#
101 49.7 7.4 11.2#
130 0.0 14.2 21.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.17 min Scan# 532

Delta R.T. -0.00 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 612667

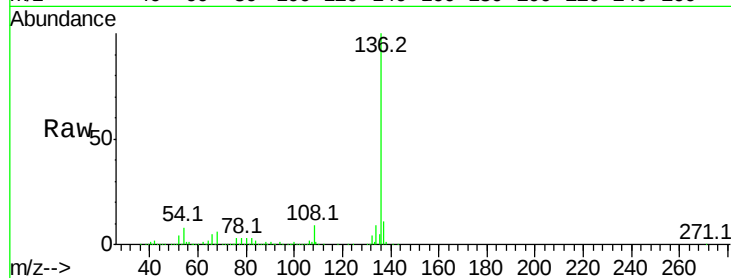
Ion Ratio Lower Upper

136 100

137 10.7 8.4 12.6

54 8.3 4.5 6.7#

68 5.5 3.6 5.4#

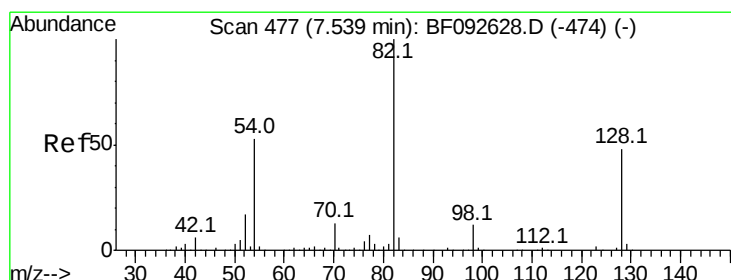
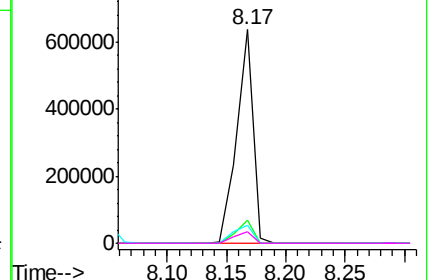
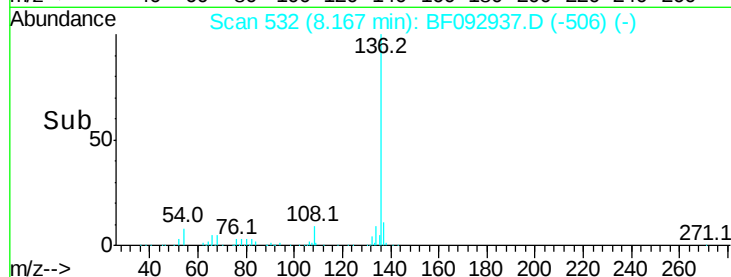


Abundance Ion 136.00 (135.70 to 136.70): E

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: 94.58 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.00 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

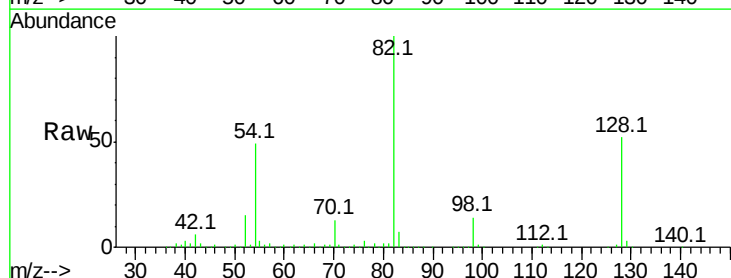
Tgt Ion: 82 Resp: 1040546

Ion Ratio Lower Upper

82 100

128 51.9 34.6 52.0

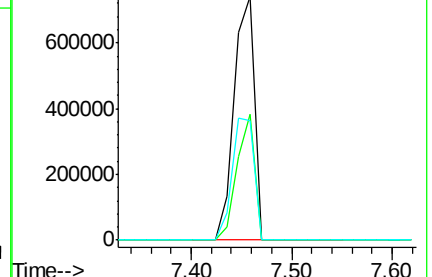
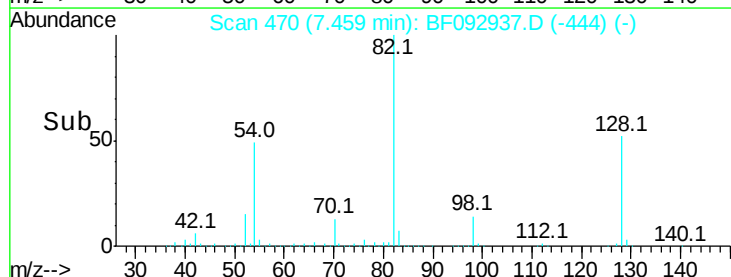
54 49.2 39.5 59.3

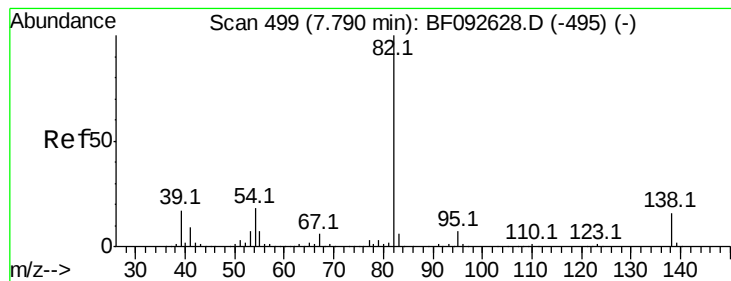


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 46.15 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.25 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

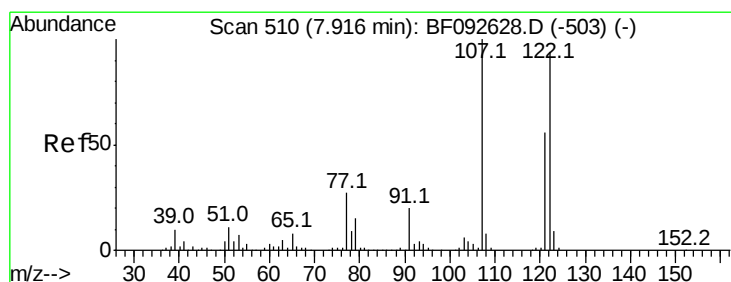
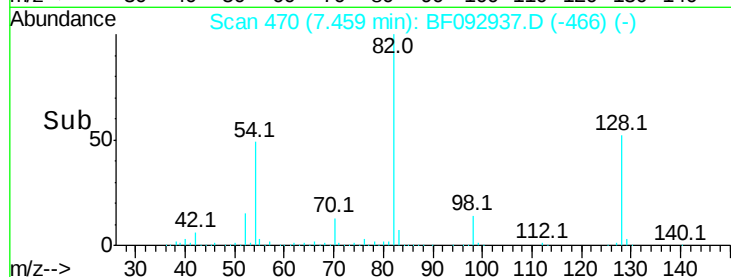
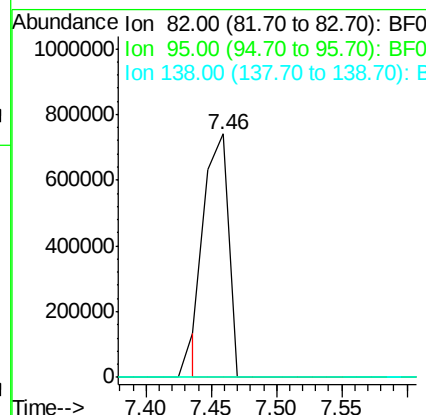
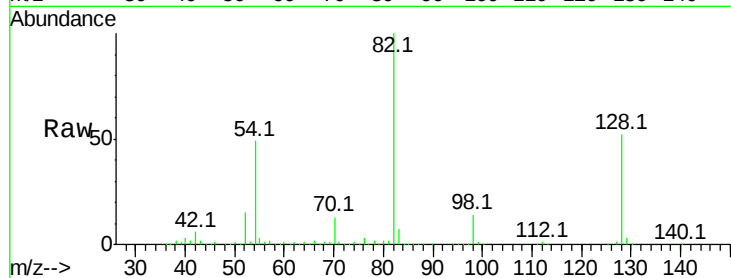
Tot Ion: 82 Resp: 946102

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#



#27

2,4-Dimethylphenol

Concen: 3.02 ng

RT: 7.94 min Scan# 512

Delta R.T. 0.10 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

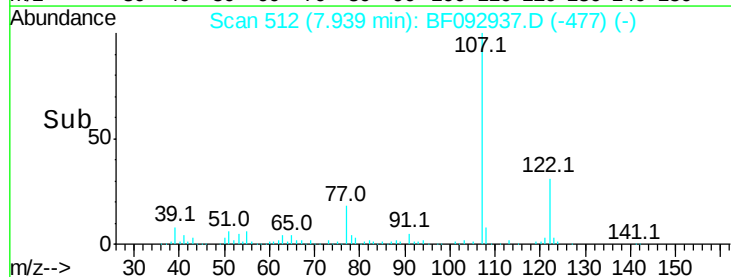
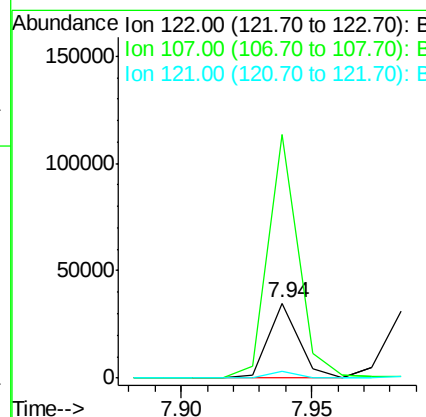
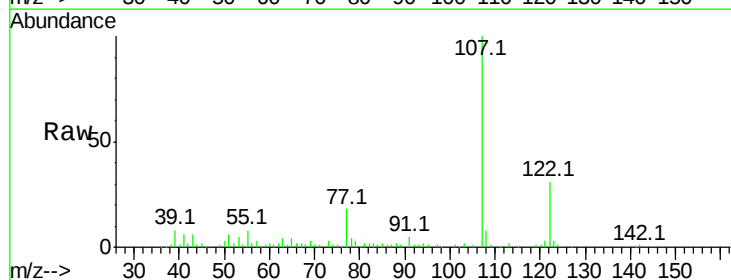
Tgt Ion: 122 Resp: 28435

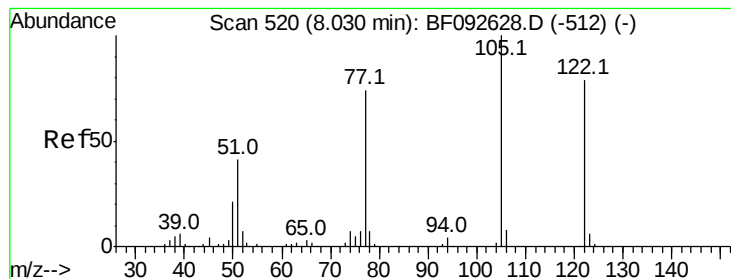
Ion Ratio Lower Upper

122 100

107 323.5 94.1 141.1#

121 9.3 46.0 69.0#





#32

Benzoic acid

Concen: 43.07 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.05 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

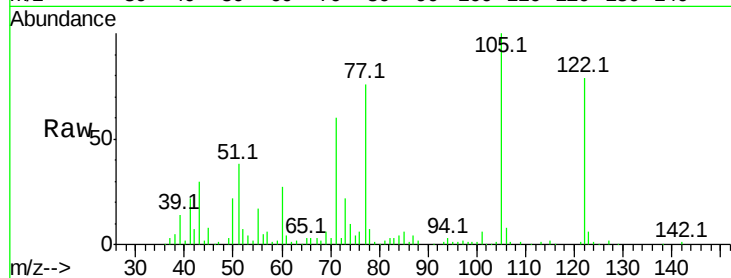
Tot Ion:122 Resp: 225514

Ion Ratio Lower Upper

122 100

105 127.1 107.2 147.2

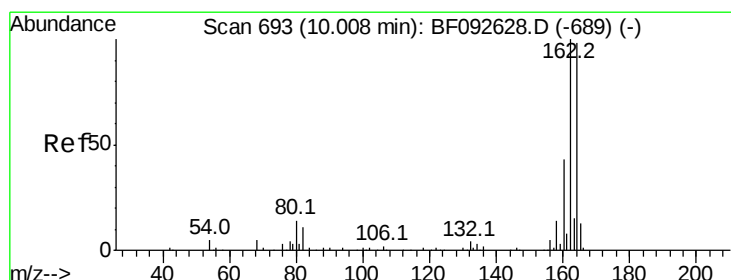
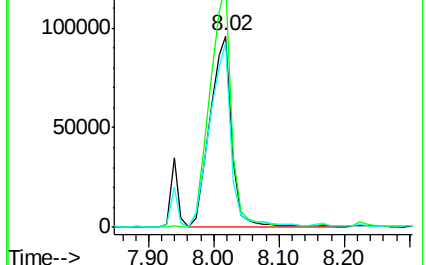
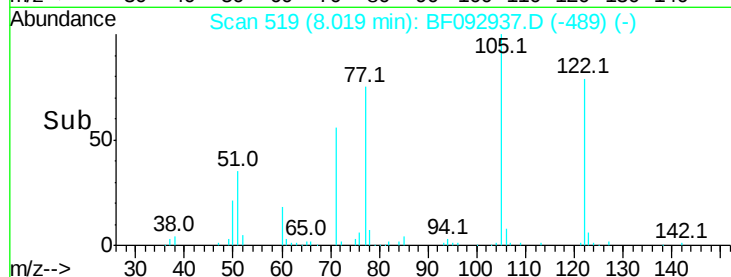
77 96.3 74.5 114.5



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: 9.92 min Scan# 685

Delta R.T. -0.01 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

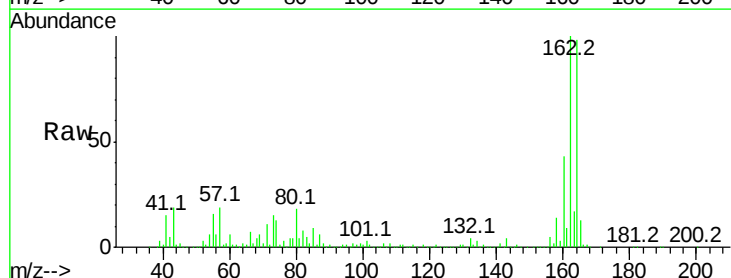
Tgt Ion:164 Resp: 327916

Ion Ratio Lower Upper

164 100

162 102.0 80.2 120.2

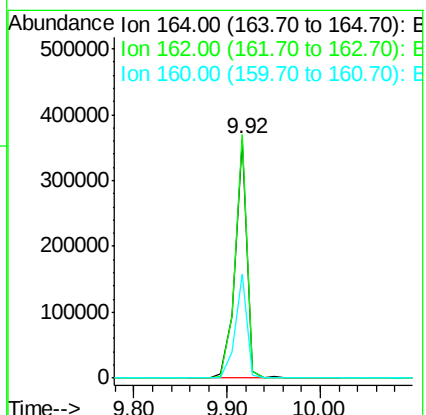
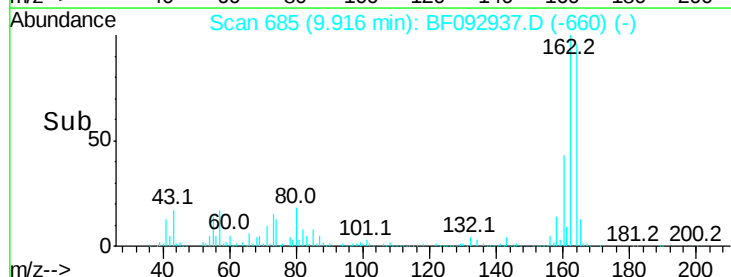
160 43.4 36.9 55.3

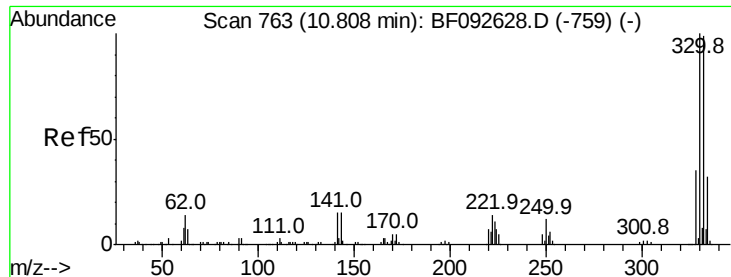


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

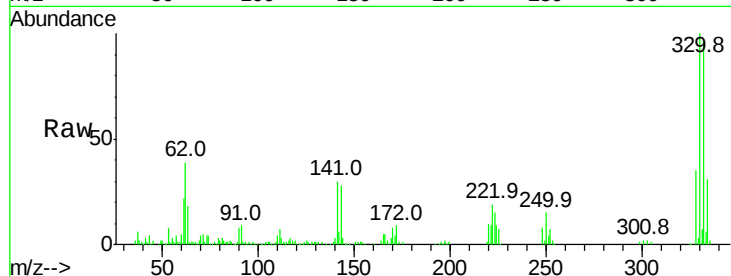




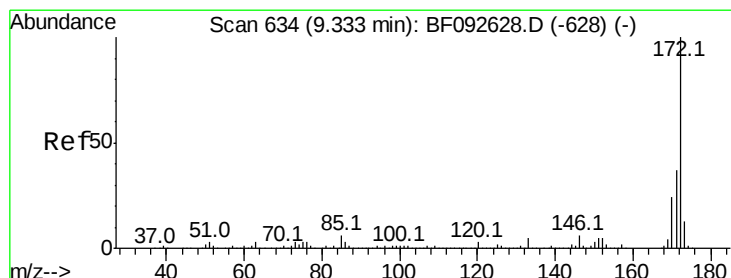
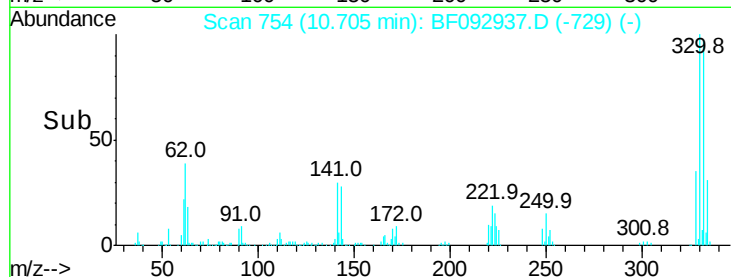
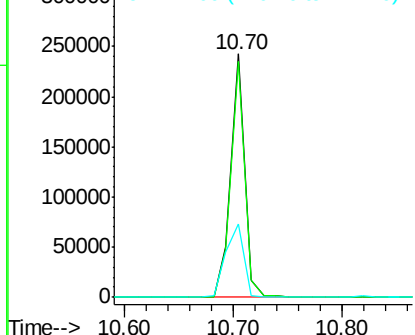
#41
 2,4,6-Tribromophenol
 Concen: 90.75 ng
 RT: 10.70 min Scan# 754
 Delta R.T. -0.01 min
 Lab File: BF092937.D
 Acq: 14 Feb 2017 12:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 215221
 Ion Ratio Lower Upper
 330 100
 332 97.0 77.4 116.2
 141 40.4 34.1 51.1

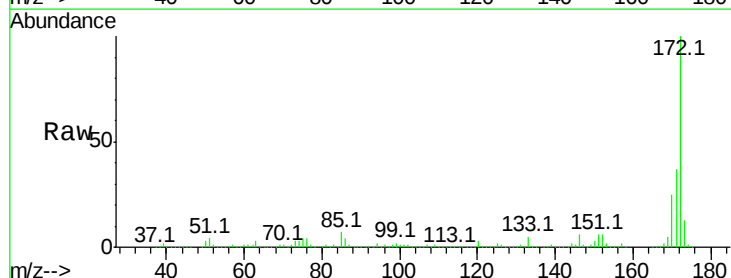


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

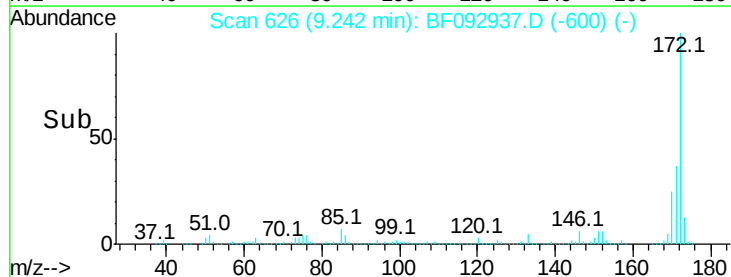
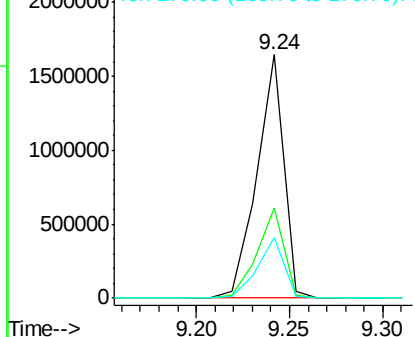


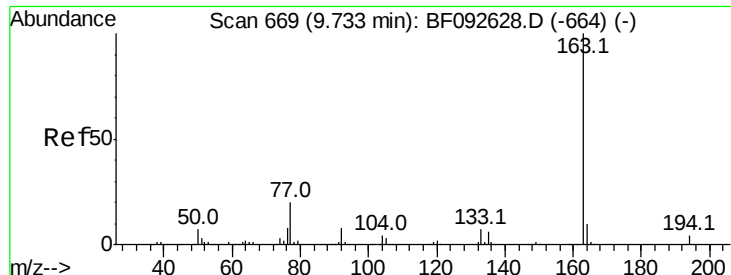
#44
 2-Fluorobiphenyl
 Concen: 90.23 ng
 RT: 9.24 min Scan# 626
 Delta R.T. -0.00 min
 Lab File: BF092937.D
 Acq: 14 Feb 2017 12:10

Tgt Ion:172 Resp: 1633205
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.4 44.0
 170 24.9 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

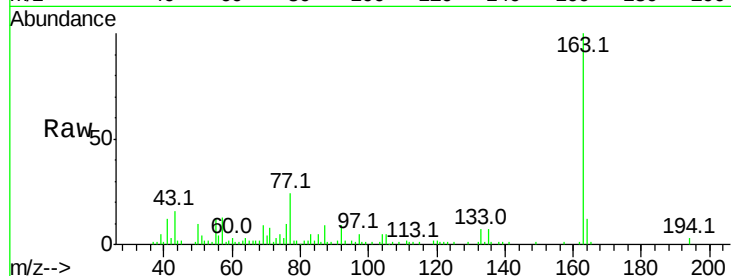




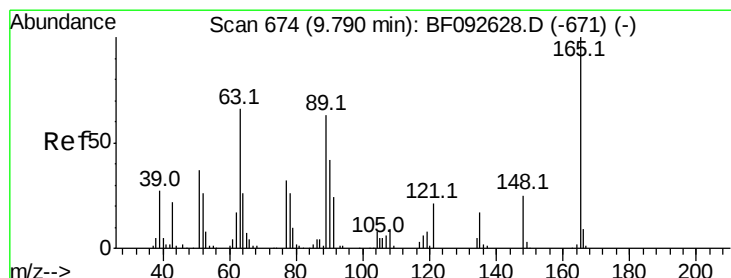
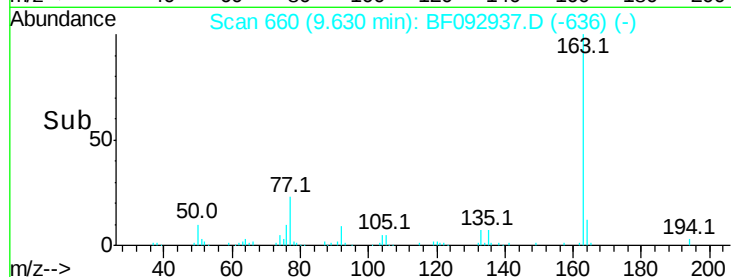
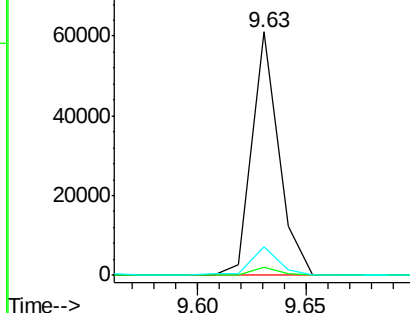
#49
Dimethylphthalate
Concen: 2.37 ng
RT: 9.63 min Scan# 660
Delta R.T. -0.02 min
Lab File: BF092937.D
Acq: 14 Feb 2017 12:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 52304
Ion Ratio Lower Upper
163 100
194 3.5 3.0 4.4
164 11.7 8.0 12.0

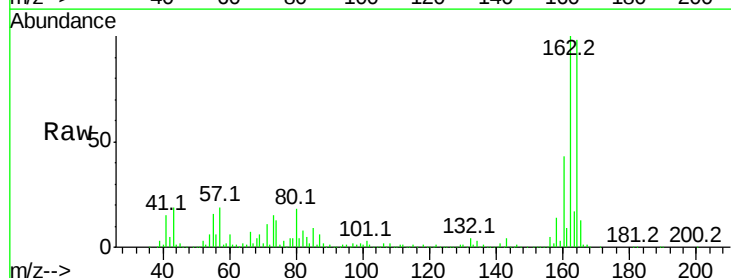


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

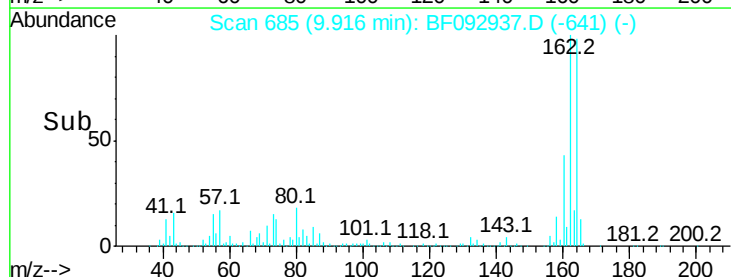
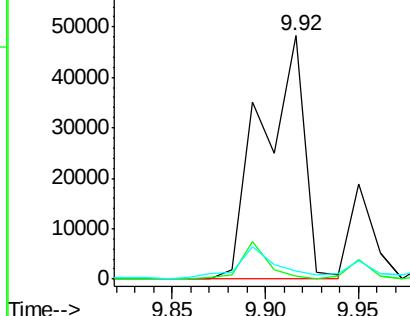


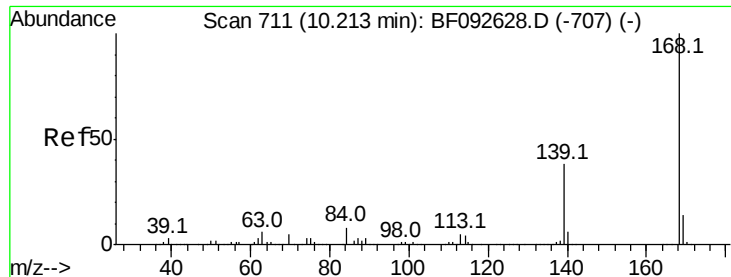
#50
2,6-Dinitrotoluene
Concen: 16.15 ng
RT: 9.92 min Scan# 685
Delta R.T. 0.21 min
Lab File: BF092937.D
Acq: 14 Feb 2017 12:10

Tgt Ion:165 Resp: 77022
Ion Ratio Lower Upper
165 100
63 1.4 36.2 54.4#
89 3.2 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0

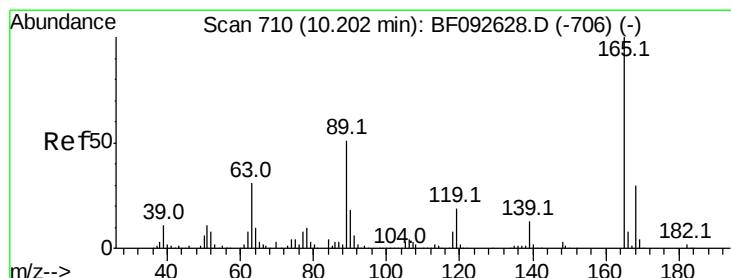
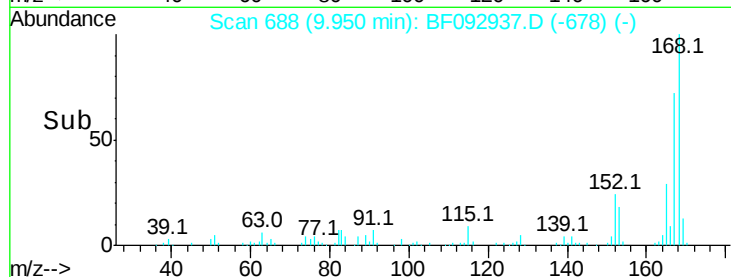
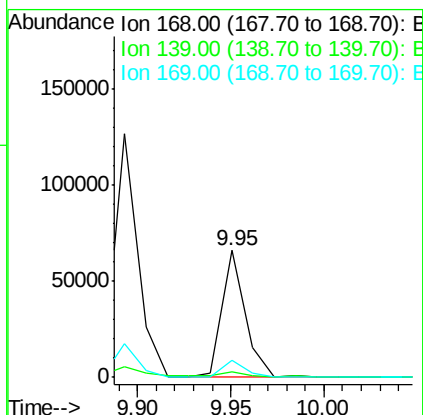
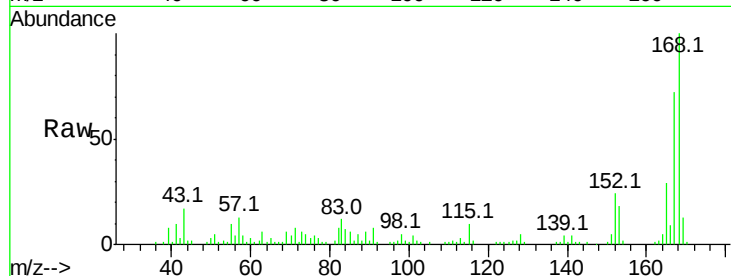




#54
Dibenzofuran
Concen: 2.26 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.18 min
Lab File: BF092937.D
Acq: 14 Feb 2017 12:10

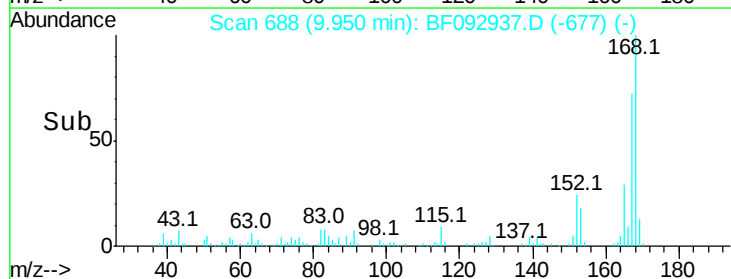
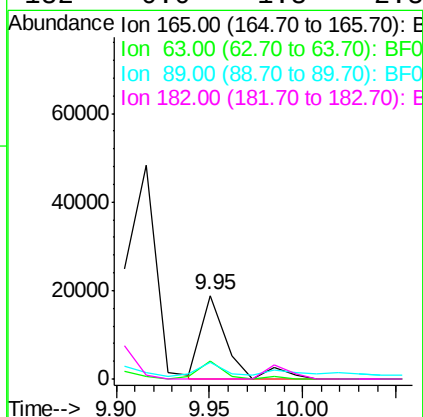
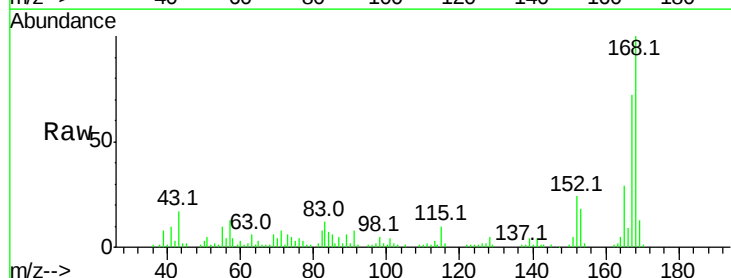
Instrument :
BNA_F
ClientSampleId :

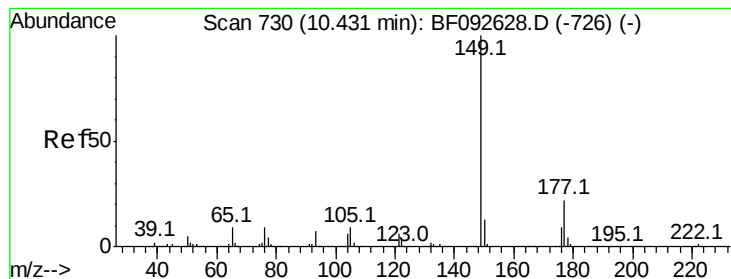
Tot Ion:168 Resp: 58027
Ion Ratio Lower Upper
168 100
139 4.4 32.6 49.0#
169 13.3 11.3 16.9



#56
2,4-Dinitrotoluene
Concen: 2.97 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.17 min
Lab File: BF092937.D
Acq: 14 Feb 2017 12:10

Tgt Ion:165 Resp: 18838
Ion Ratio Lower Upper
165 100
63 21.1 40.2 60.4#
89 19.6 62.5 93.7#
182 0.0 1.8 2.8#





#59

Diethylphthalate

Concen: 11.62 ng

RT: 10.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

Instrument :

BNA_F

ClientSampled :

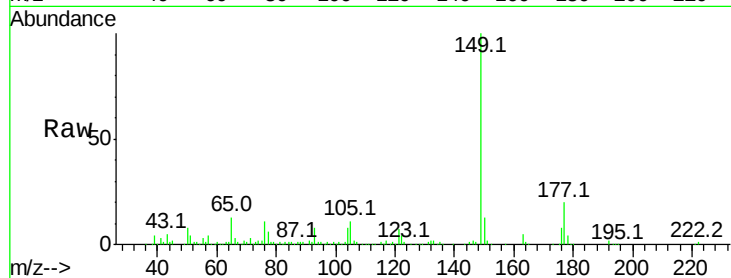
Tot Ion:149 Resp: 241819

Ion Ratio Lower Upper

149 100

177 20.1 16.6 25.0

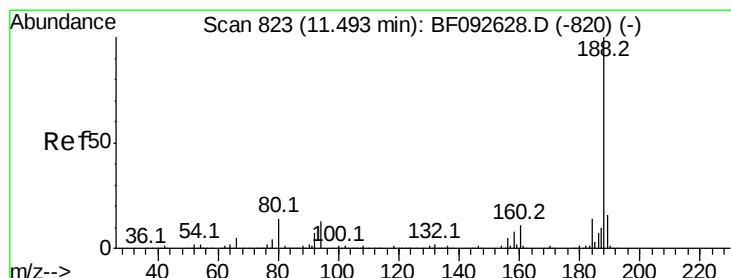
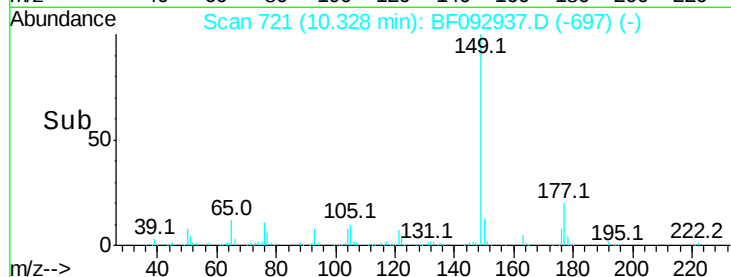
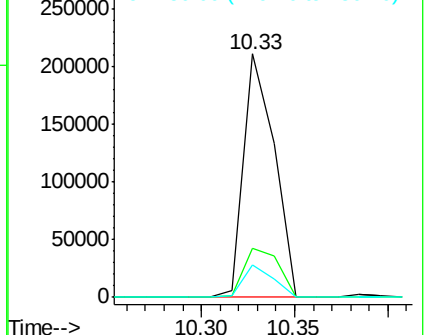
150 13.2 10.4 15.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.39 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

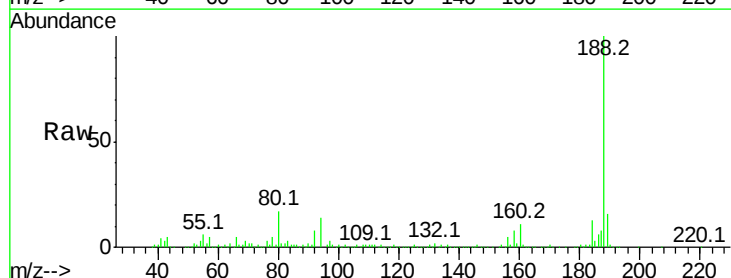
Tgt Ion:188 Resp: 475029

Ion Ratio Lower Upper

188 100

94 14.3 10.0 15.0

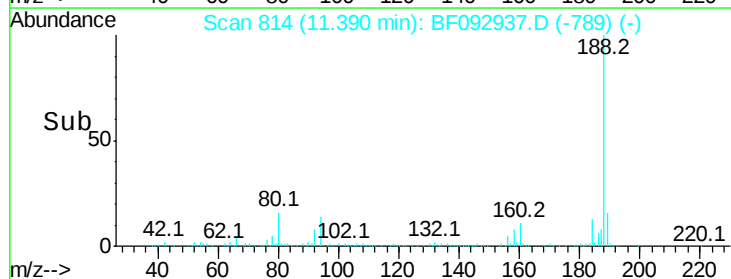
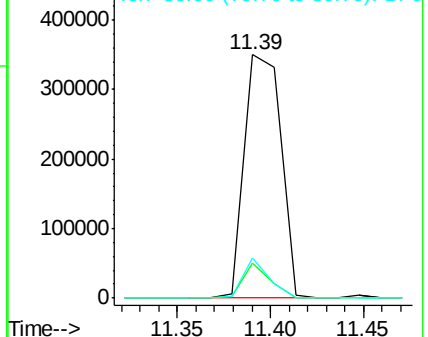
80 16.5 11.2 16.8

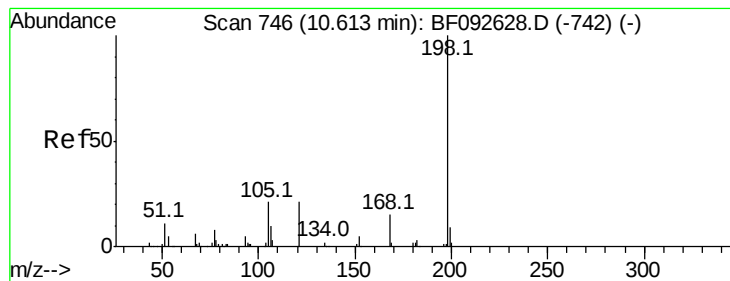


Abundance Ion 188.00 (187.70 to 188.70): E

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: 2.87 ng

RT: 10.70 min Scan# 754

Delta R.T. 0.17 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

Instrument :

BNA_F

ClientSampleId :

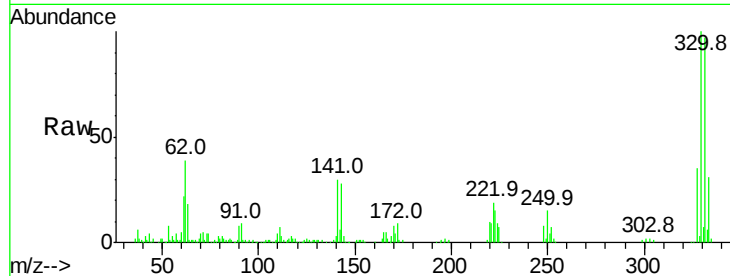
Tot Ion:198 Resp: 622

Ion Ratio Lower Upper

198 100

51 182.9 6.7 46.7#

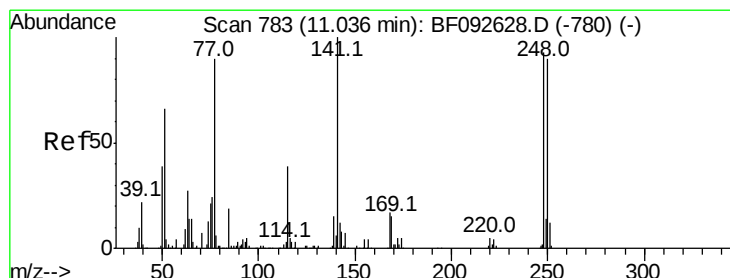
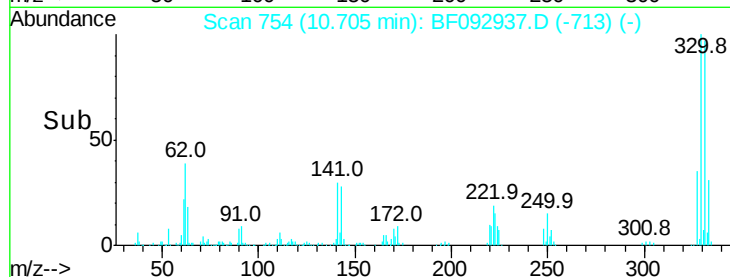
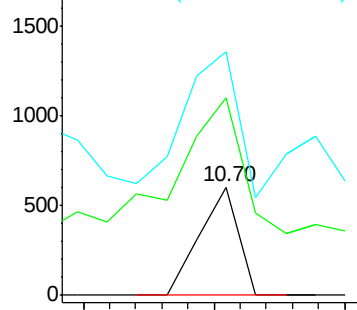
105 225.3 16.6 56.6#



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: 3.42 ng

RT: 10.70 min Scan# 754

Delta R.T. -0.25 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

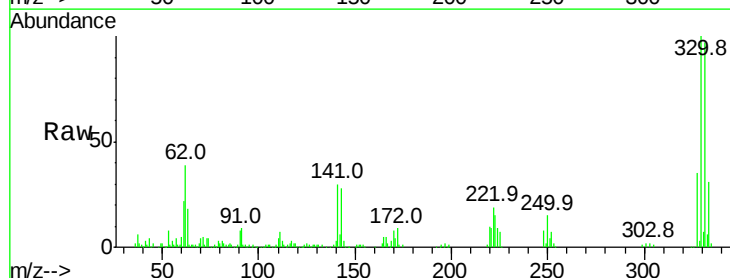
Tgt Ion:248 Resp: 16959

Ion Ratio Lower Upper

248 100

250 193.1 76.9 115.3#

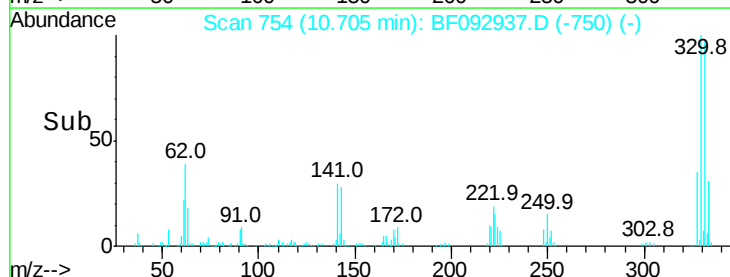
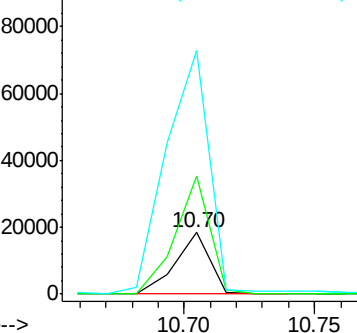
141 397.0 68.2 102.4#

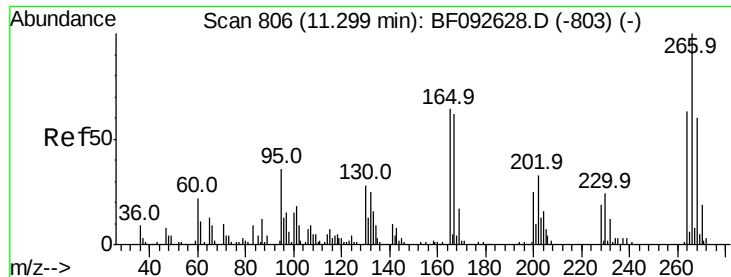


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

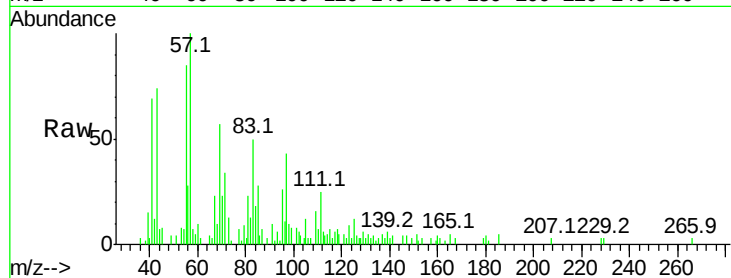




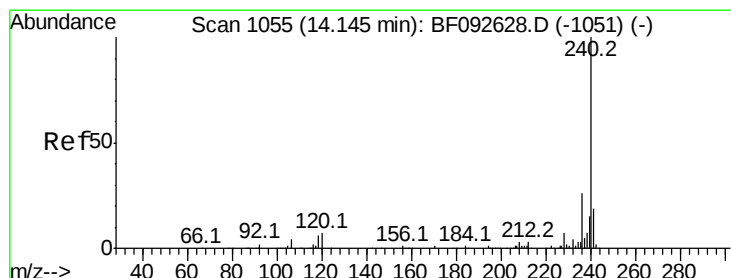
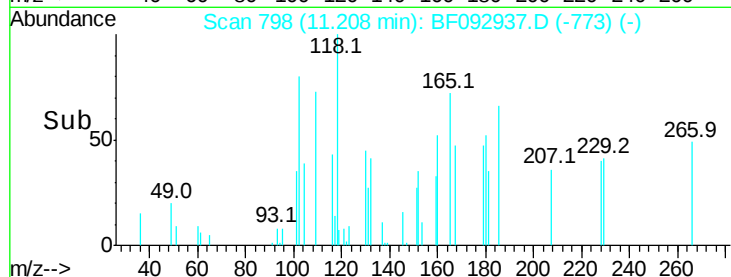
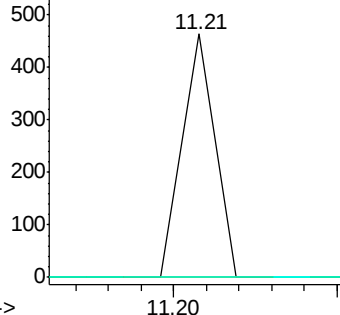
#69
 Pentachlorophenol
 Concen: 7.32 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.01 min
 Lab File: BF092937.D
 Acq: 14 Feb 2017 12:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:266 Resp: 318
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.3 79.9#
 264 0.0 50.3 75.5#

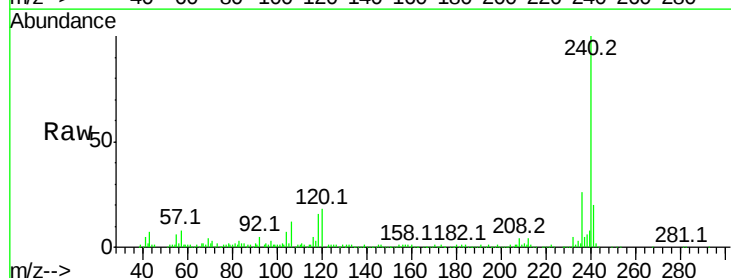


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

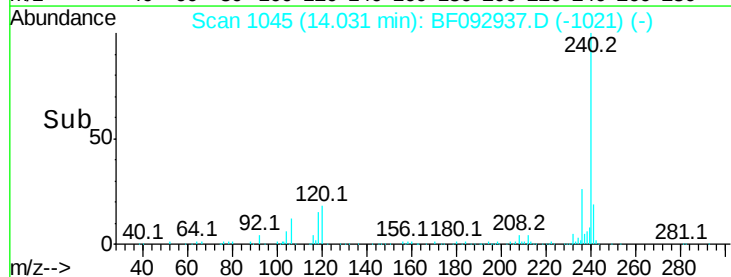
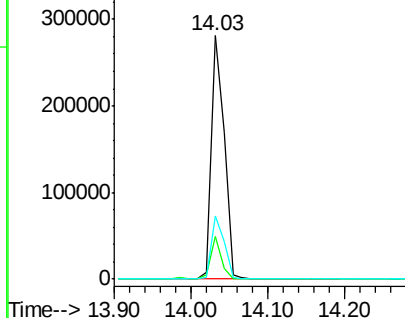


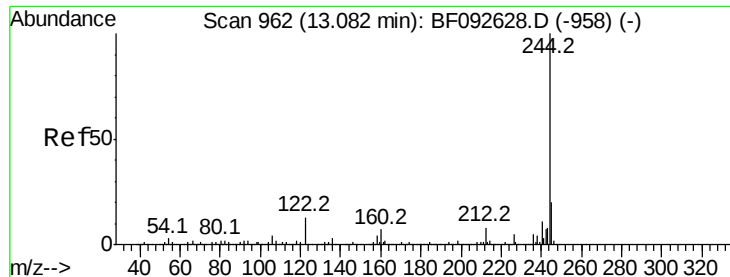
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.03 min Scan# 1045
 Delta R.T. -0.02 min
 Lab File: BF092937.D
 Acq: 14 Feb 2017 12:10

Tgt Ion:240 Resp: 322277
 Ion Ratio Lower Upper
 240 100
 120 17.8 12.9 19.3
 236 25.9 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: 85.78 ng

RT: 13.00 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

Instrument :
BNA_F
ClientSampled :

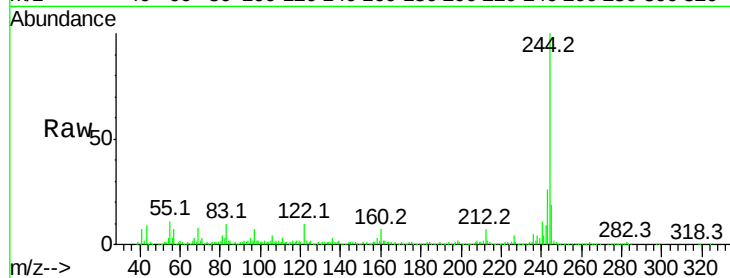
Tot Ion:244 Resp: 1176594

Ion Ratio Lower Upper

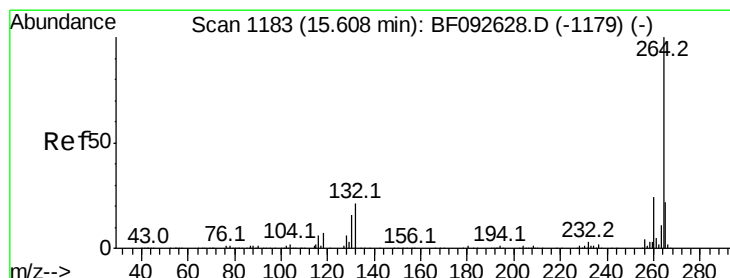
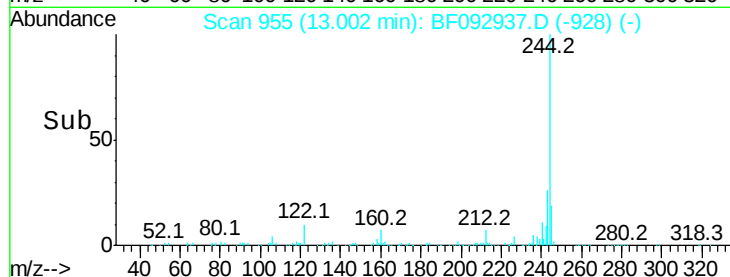
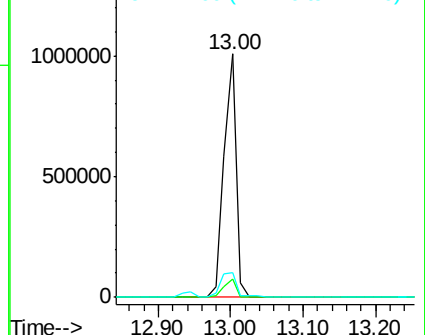
244 100

212 7.4 6.2 9.2

122 10.4 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: 15.47 min Scan# 1171

Delta R.T. -0.01 min

Lab File: BF092937.D

Acq: 14 Feb 2017 12:10

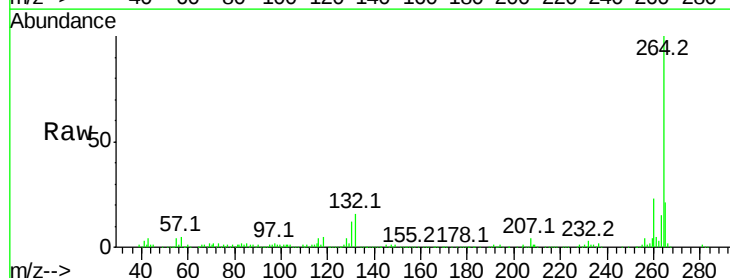
Tgt Ion:264 Resp: 278931

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.3 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

