

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012517\
 Data File : BF092494.D
 Acq On : 25 Jan 2017 23:19
 Operator : SJ/MA
 Sample : I1398-04
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 26 09:58:46 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

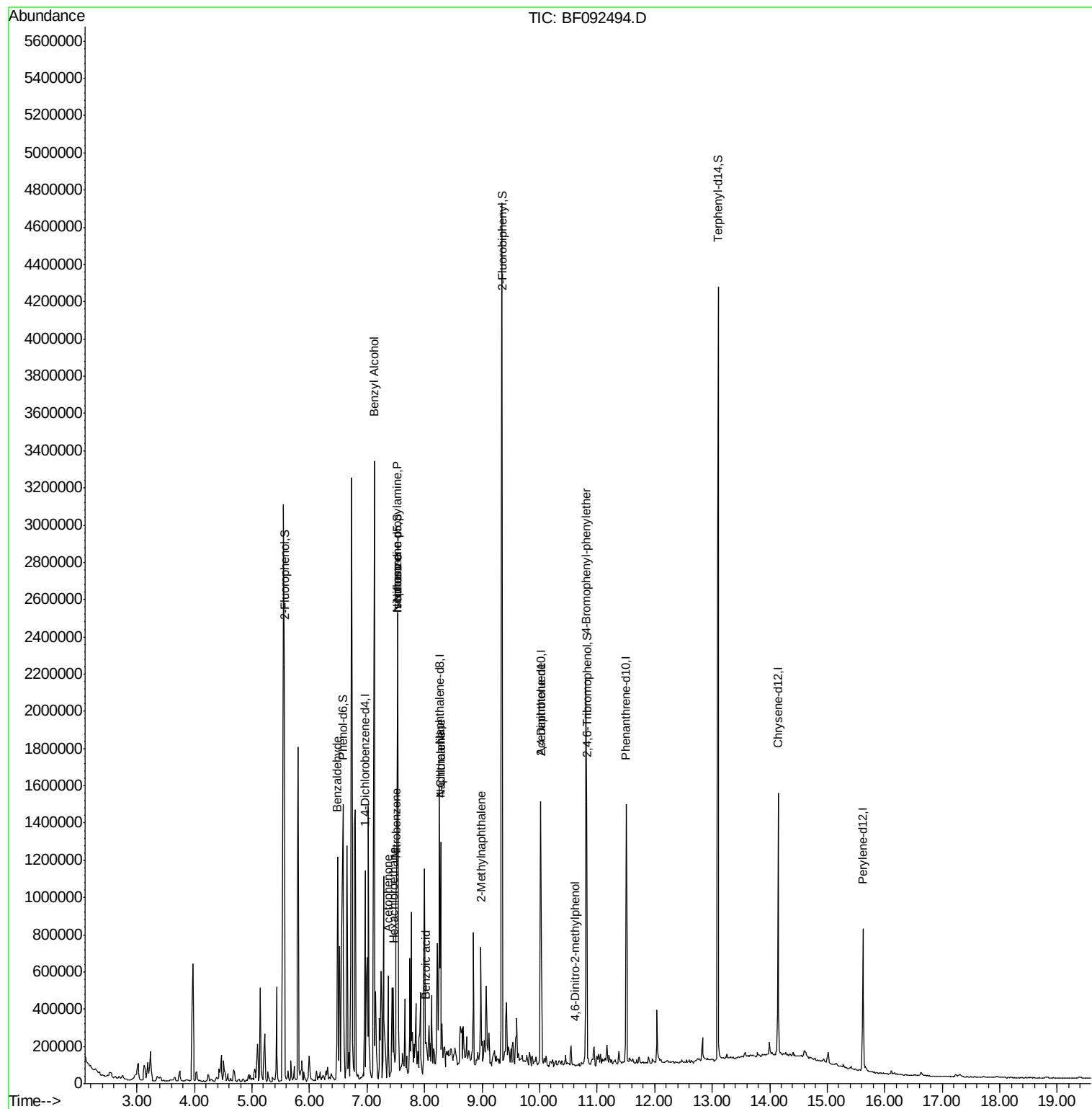
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	160277	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	645769	20.00	ng	-0.01
38) Acenaphthene-d10	10.02	164	339748	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	548754	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	468559	20.00	ng	-0.02
86) Perylene-d12	15.62	264	352441	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.56	112	572645	55.59	ng	0.01
7) Phenol-d6	6.58	99	485847	37.03	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1055936	89.32	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	351488	151.81	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1553148	84.53	ng	-0.01
78) Terphenyl-d14	13.11	244	1642032	93.32	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.49	77	54623	5.87	ng	# 1
15) Benzyl Alcohol	7.13	79	23836	2.41	ng	# 32
18) Hexachloroethane	7.46	117	24314	5.48	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	139333	15.59	ng	# 86
22) Acetophenone	7.37	105	176849	11.50	ng	# 76
24) Nitrobenzene	7.50	77	28064	2.27	ng	# 17
25) Isophorone	7.53	82	932270	40.02	ng	# 65
31) Naphthalene	8.28	128	455912	13.79	ng	100
32) Benzoic acid	8.02	122	7702	5.55	ng	# 15
33) 4-Chloroaniline	8.28	127	69002	4.93	ng	# 35
37) 2-Methylnaphthalene	8.98	142	194047	9.27	ng	96
56) 2,4-Dinitrotoluene	10.02	165	44762	7.64	ng	# 21
64) 4,6-Dinitro-2-methylphenol	10.61	198	546	5.12	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	25042	4.52	ng	# 1

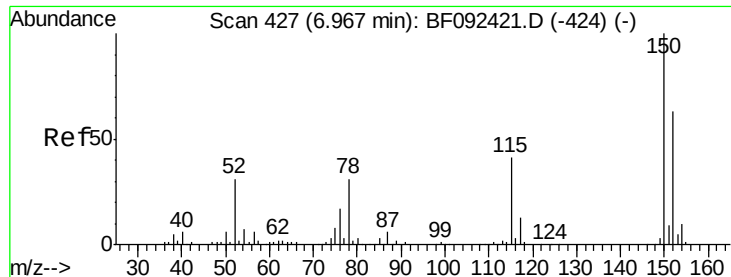
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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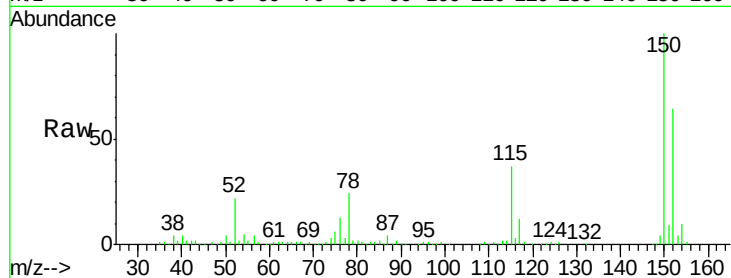


#1

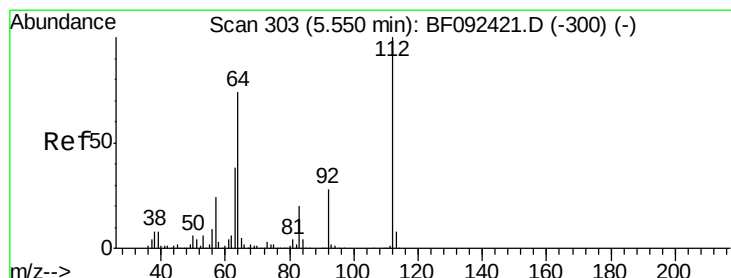
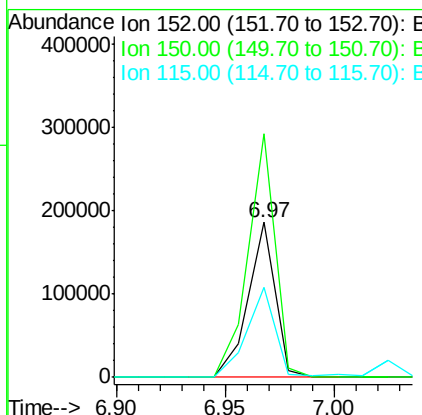
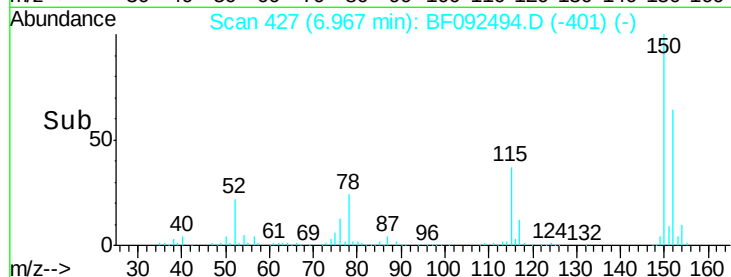
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF092494.D
Acq: 25 Jan 2017 23:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.9	187.3
115	58.6	46.0	69.0



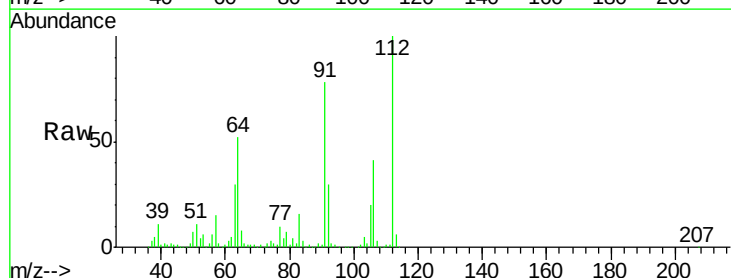
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



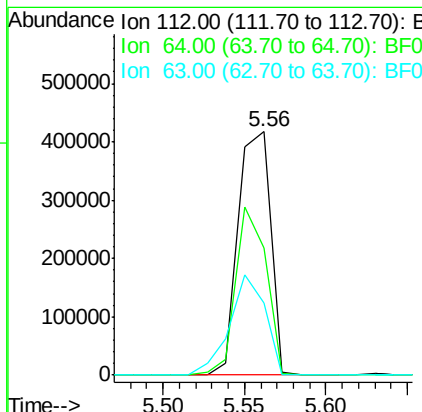
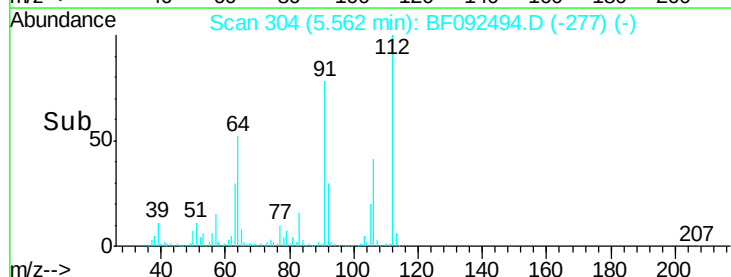
#5

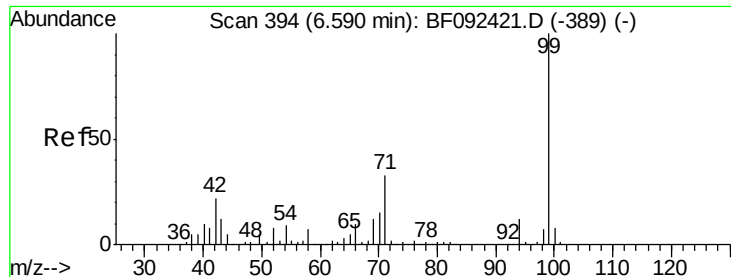
2-Fluorophenol
Concen: 55.59 ng
RT: 5.56 min Scan# 304
Delta R.T. 0.01 min
Lab File: BF092494.D
Acq: 25 Jan 2017 23:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	46.1	69.1
63	29.7	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: 37.03 ng

RT: 6.58 min Scan# 393

Delta R.T. -0.01 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampleId :

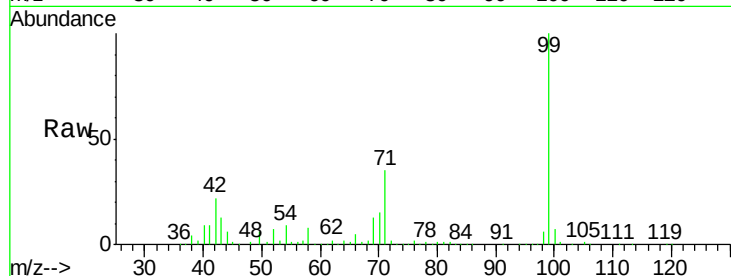
Tot Ion: 99 Resp: 485847

Ion Ratio Lower Upper

99 100

42 22.3 15.6 23.4

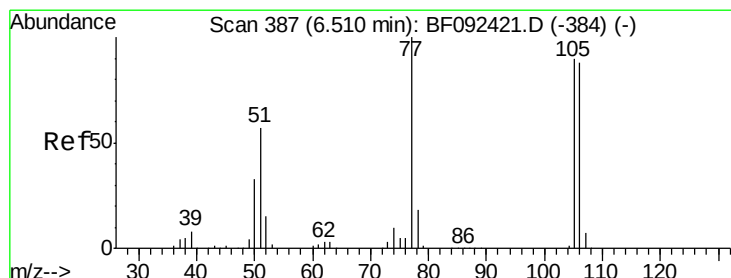
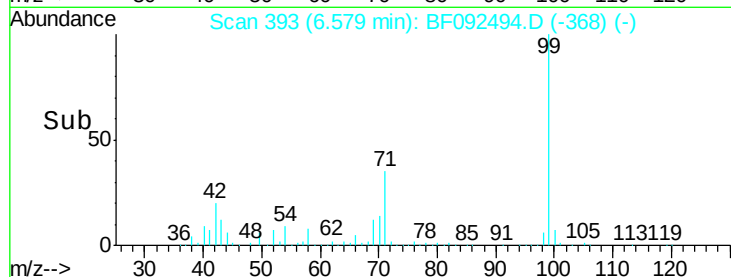
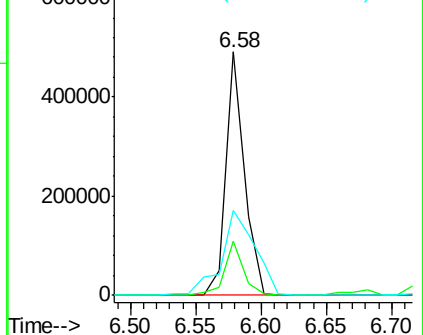
71 35.1 27.5 41.3



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



#9

Benzaldehyde

Concen: 5.87 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

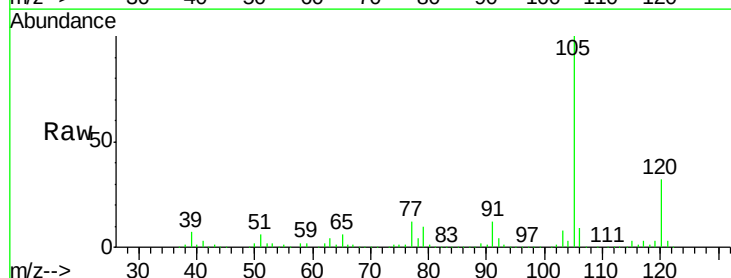
Tgt Ion: 77 Resp: 54623

Ion Ratio Lower Upper

77 100

105 822.4 83.9 123.9#

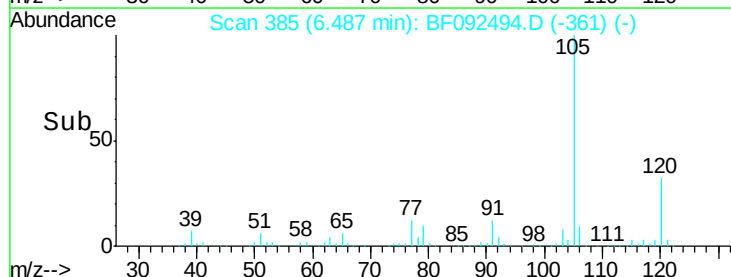
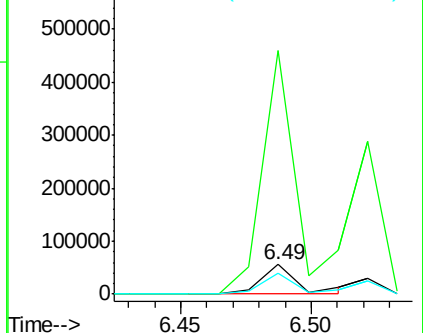
106 71.7 77.6 117.6#

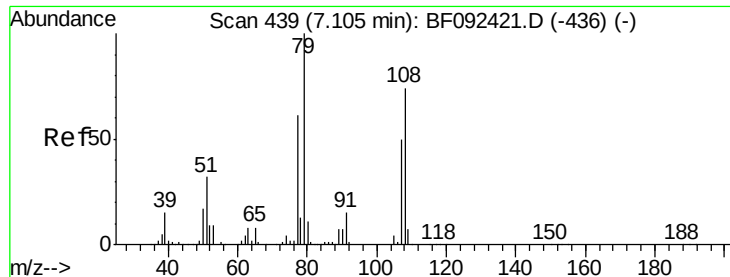


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 2.41 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.02 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampled :

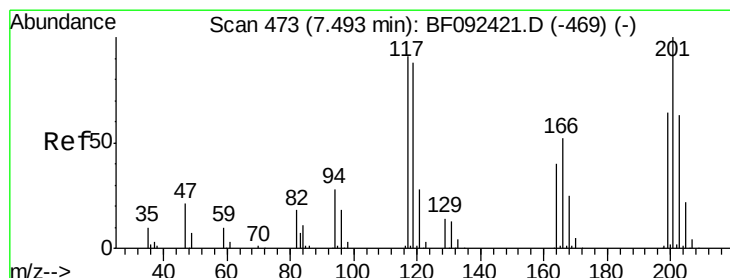
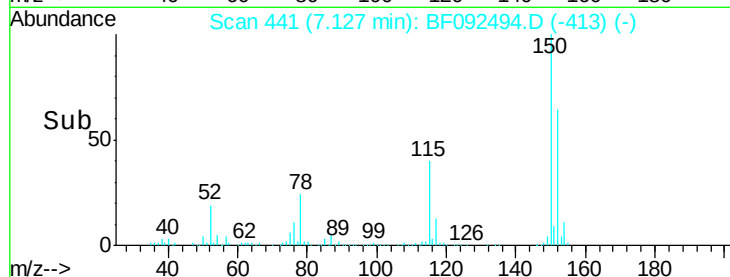
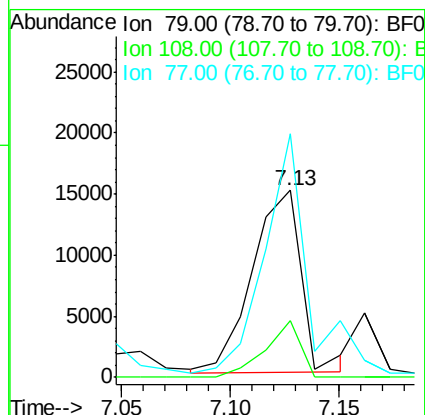
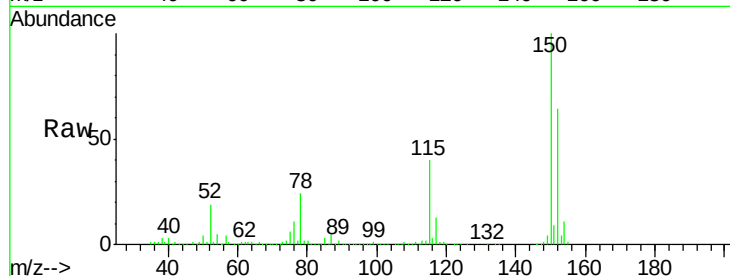
Tot Ion: 79 Resp: 23836

Ion Ratio Lower Upper

79 100

108 30.1 61.4 92.0#

77 130.2 50.9 76.3#



#18

Hexachloroethane

Concen: 5.48 ng

RT: 7.46 min Scan# 470

Delta R.T. -0.03 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

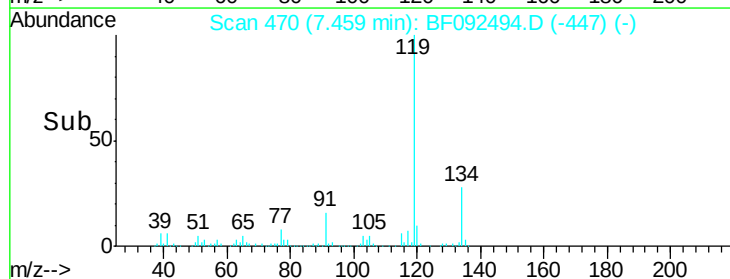
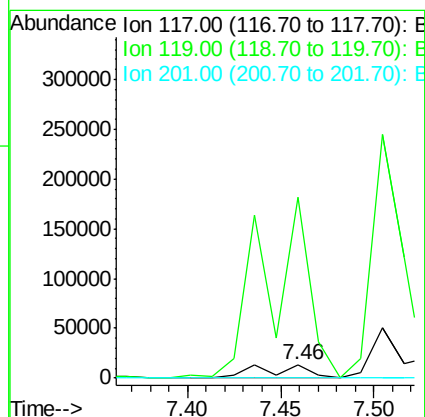
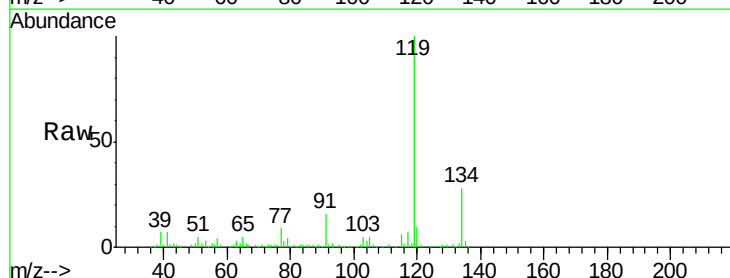
Tgt Ion: 117 Resp: 24314

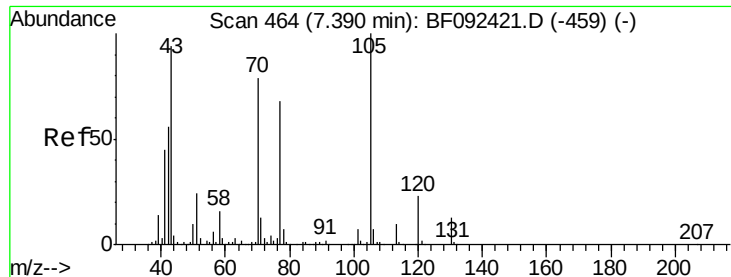
Ion Ratio Lower Upper

117 100

119 1356.8 78.1 117.1#

201 0.0 78.6 117.8#

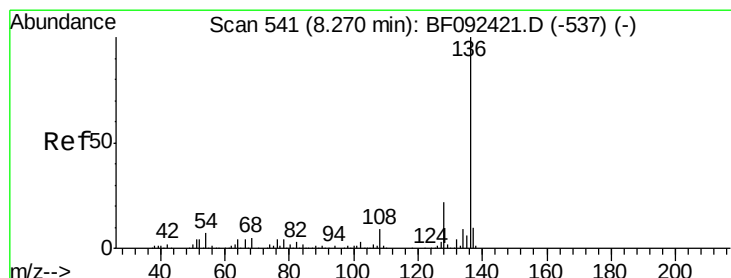
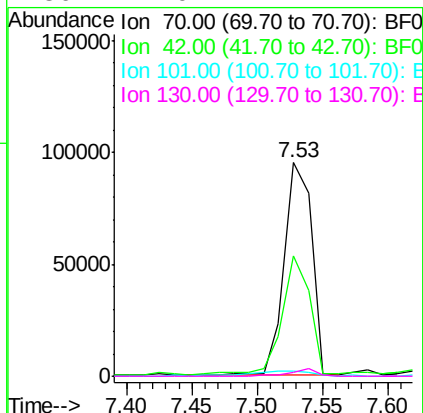
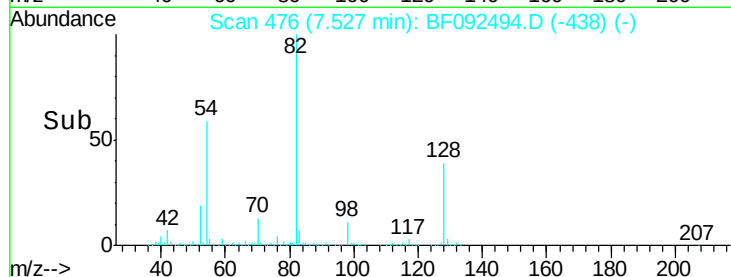
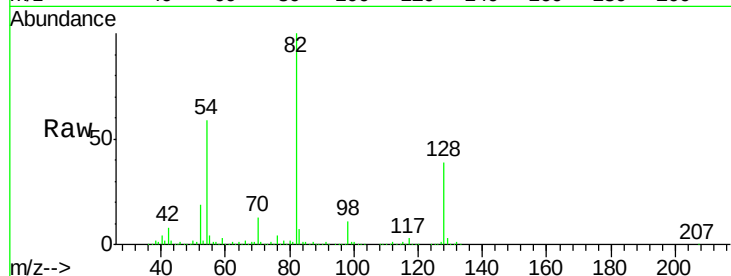




#19
n-Nitroso-di-n-propylamine
Concen: 15.59 ng
RT: 7.53 min Scan# 476
Delta R.T. 0.14 min
Lab File: BF092494.D
Acq: 25 Jan 2017 23:19

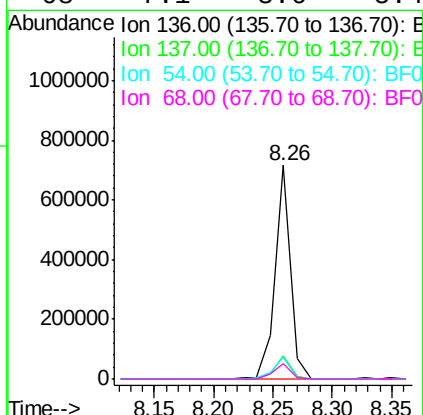
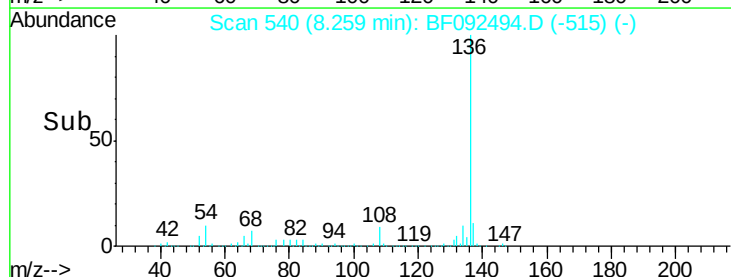
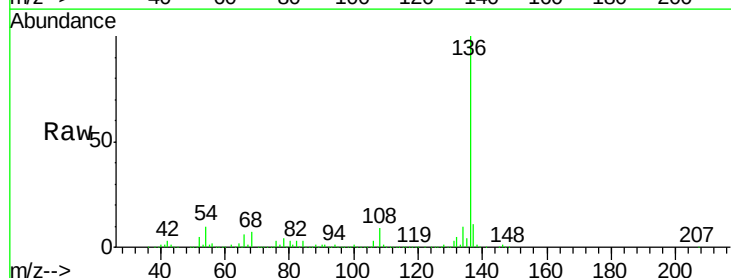
Instrument :
BNA_F
ClientSampled :

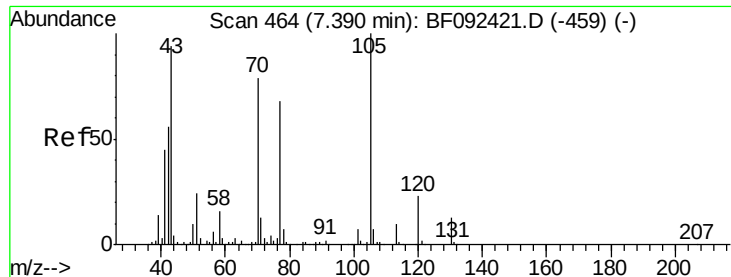
Tot Ion: 70 Resp: 139333
Ion Ratio Lower Upper
70 100
42 56.4 49.4 74.0
101 2.3 7.4 11.2#
130 2.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092494.D
Acq: 25 Jan 2017 23:19

Tgt Ion:136 Resp: 645769
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 10.0 4.5 6.7#
68 7.1 3.6 5.4#





#22

Acetophenone

Concen: 11.50 ng

RT: 7.37 min Scan# 462

Delta R.T. -0.02 min

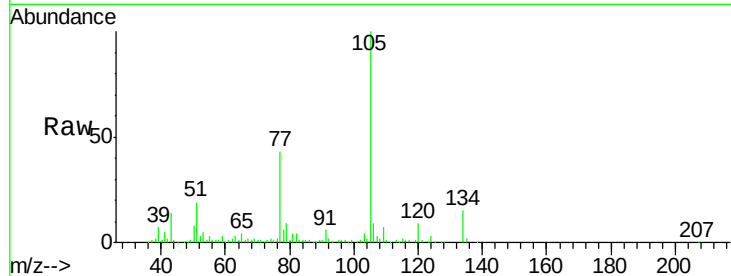
Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampled :



Tot Ion: 105 Resp: 176849

Ion Ratio Lower Upper

105 100

71 0.9 3.2 4.8#

51 18.7 26.2 39.4#

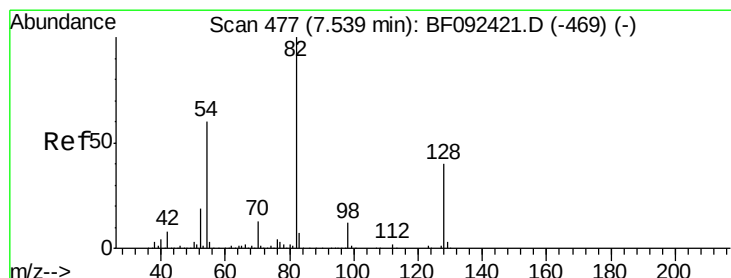
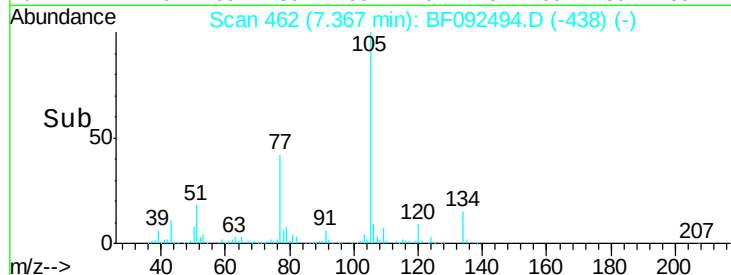
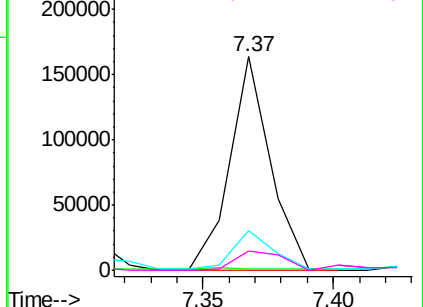
120 8.8 16.6 24.8#

Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 89.32 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.01 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Tgt Ion: 82 Resp: 1055936

Ion Ratio Lower Upper

82 100

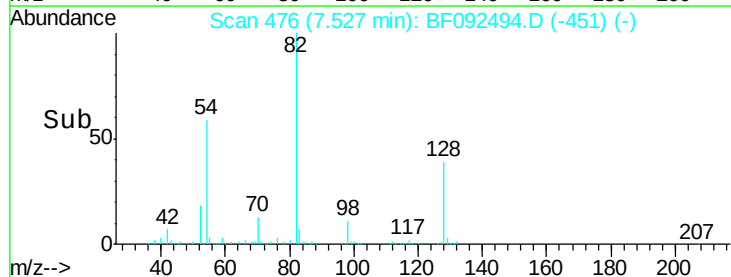
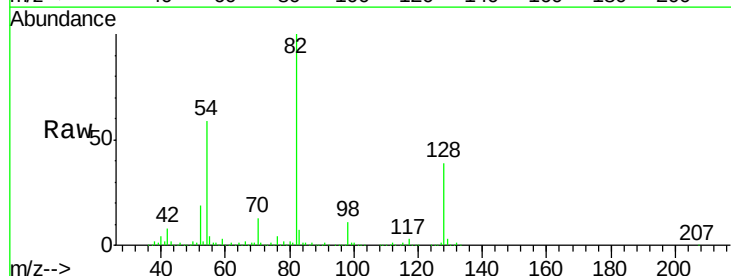
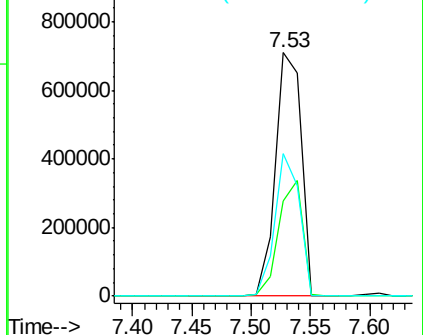
128 39.2 34.6 52.0

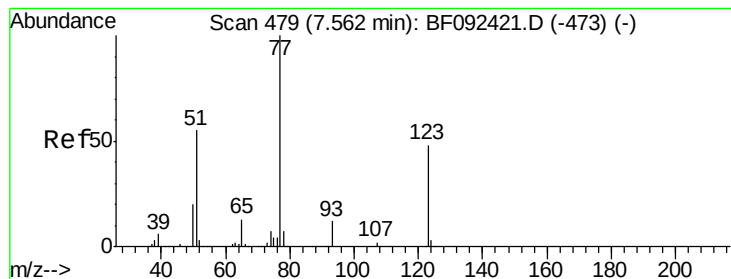
54 58.8 39.5 59.3

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





#24

Nitrobenzene

Concen: 2.27 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.06 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampleId :

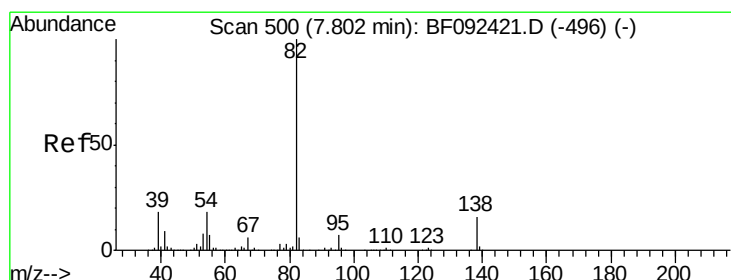
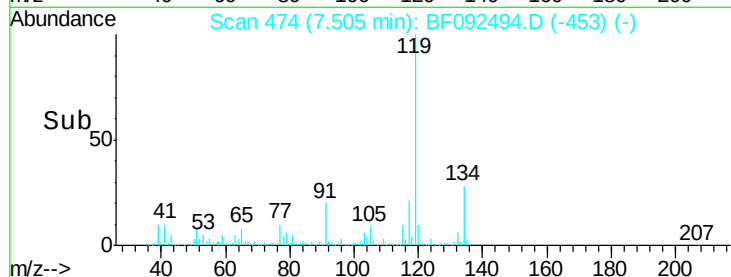
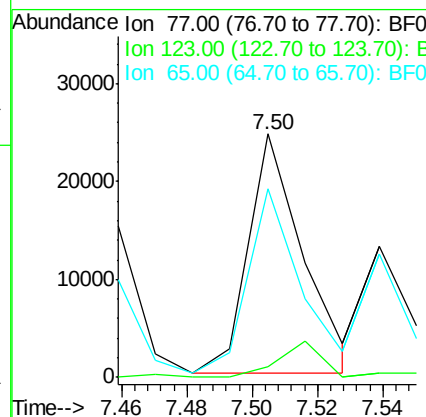
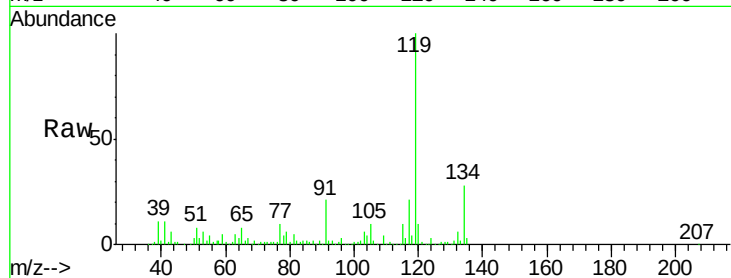
Tot Ion: 77 Resp: 28064

Ion Ratio Lower Upper

77 100

123 4.6 33.0 49.4#

65 77.4 11.2 16.8#



#25

Isophorone

Concen: 40.02 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.27 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

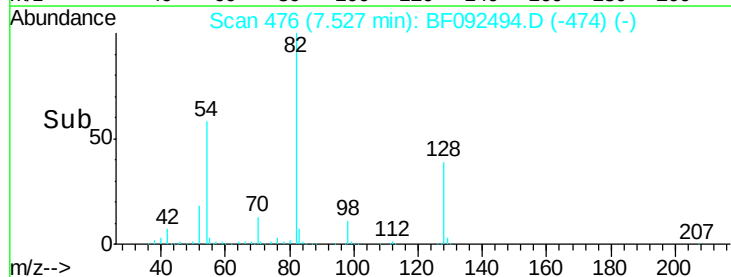
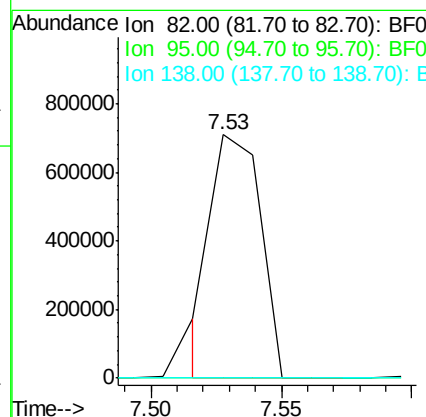
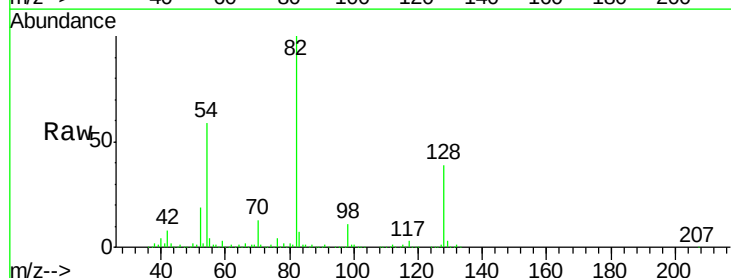
Tgt Ion: 82 Resp: 932270

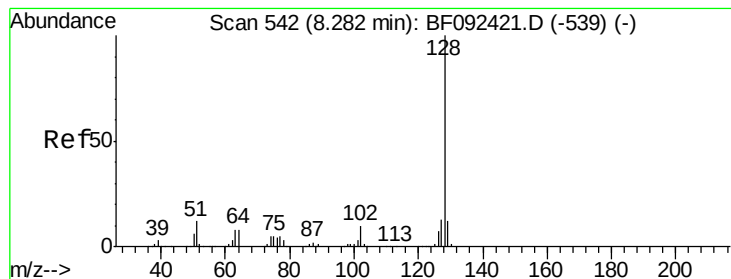
Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 14.6 22.0#





#31

Naphthalene

Concen: 13.79 ng

RT: 8.28 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampleId :

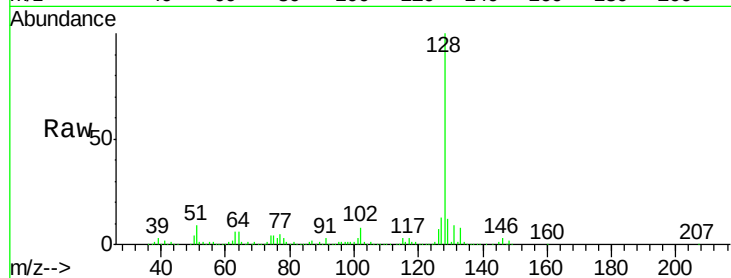
Tot Ion:128 Resp: 455912

Ion Ratio Lower Upper

128 100

129 12.0 9.5 14.3

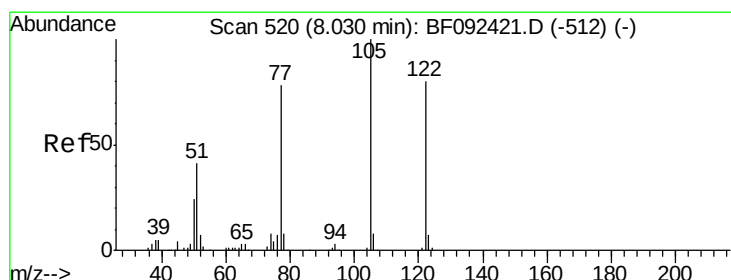
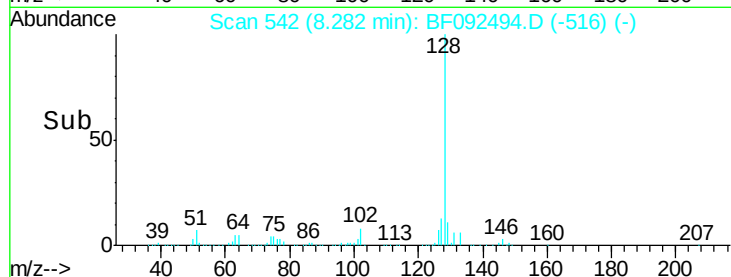
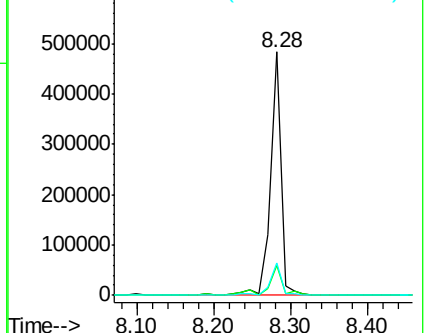
127 13.3 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 5.55 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.01 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

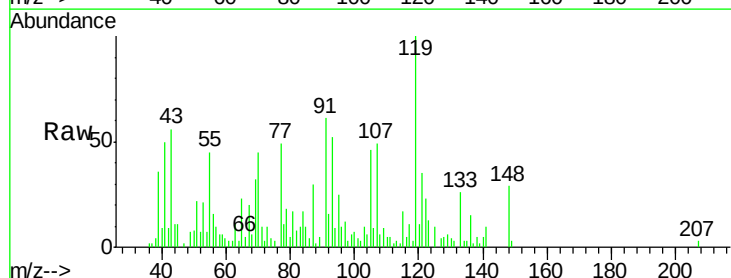
Tgt Ion:122 Resp: 7702

Ion Ratio Lower Upper

122 100

105 195.7 107.2 147.2#

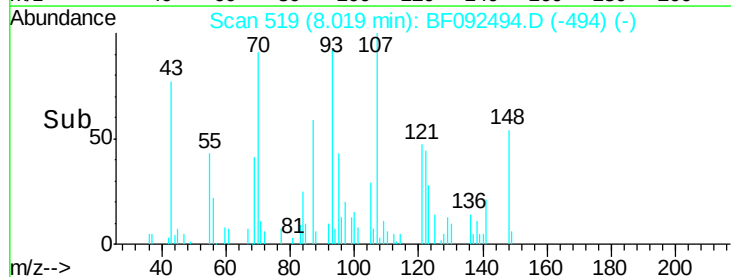
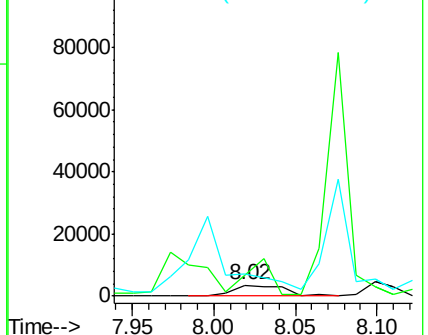
77 209.6 74.5 114.5#

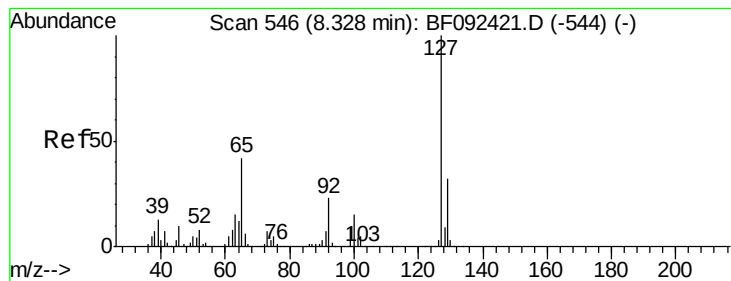


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 4.93 ng

RT: 8.28 min Scan# 542

Delta R.T. -0.05 min

Lab File: BF092494.D

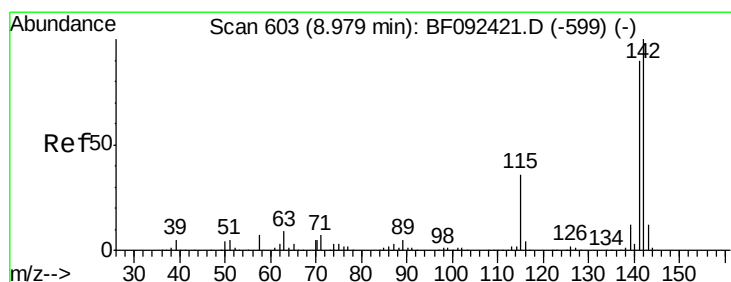
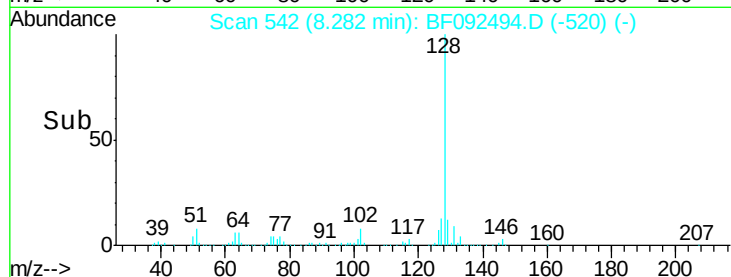
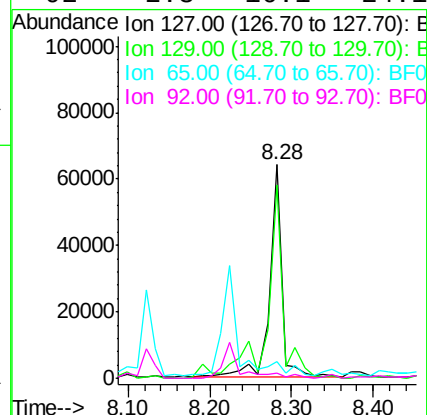
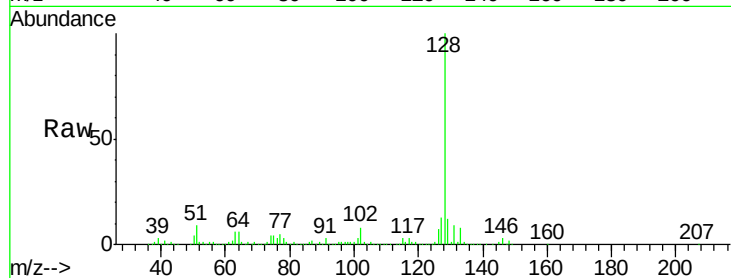
Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:127	Resp:	69002
Ion Ratio	Lower	Upper
127	100	
129	90.5	26.3 39.5#
65	8.1	25.8 38.8#
92	2.3	16.1 24.1#



#37

2-Methylnaphthalene

Concen: 9.27 ng

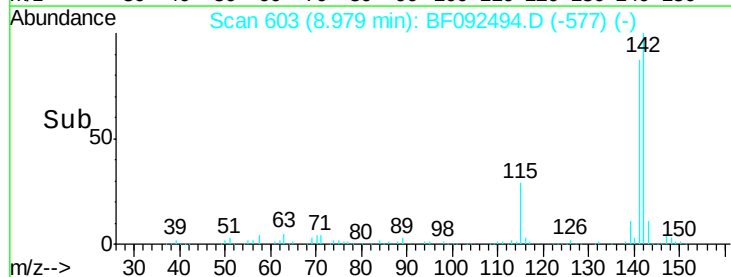
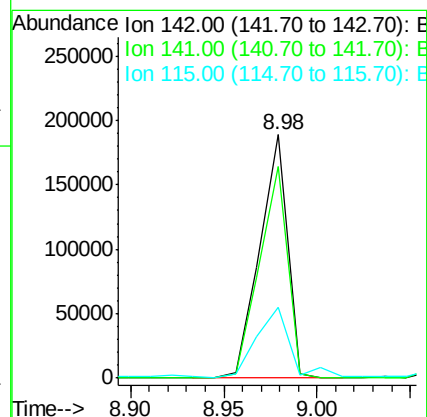
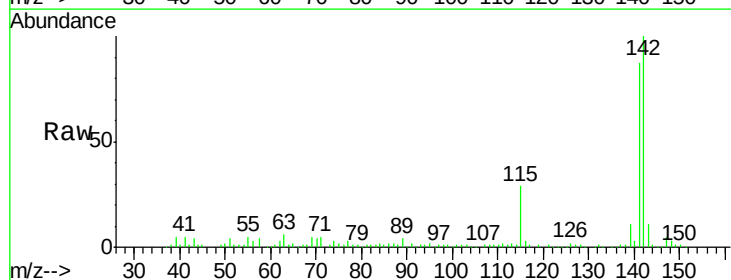
RT: 8.98 min Scan# 603

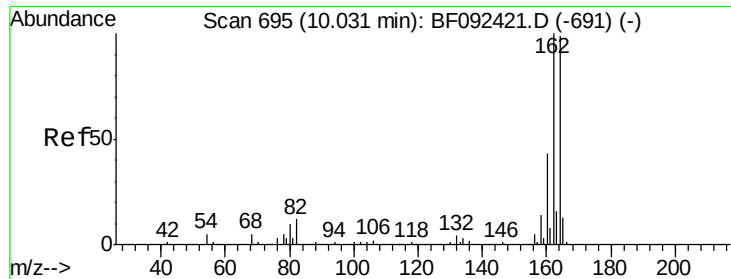
Delta R.T. 0.00 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Tgt Ion:142	Resp:	194047
Ion Ratio	Lower	Upper
142	100	
141	87.1	71.0 106.6
115	29.3	28.3 42.5





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.02 min Scan# 694

Delta R.T. -0.01 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampleId :

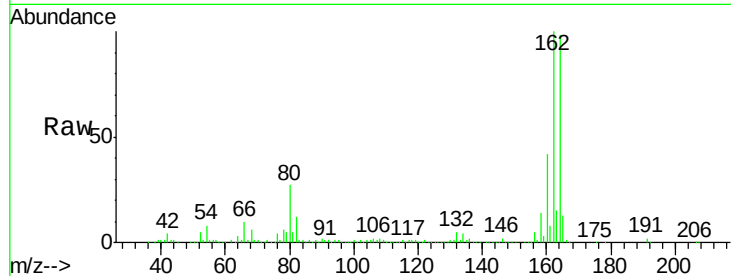
Tot Ion:164 Resp: 339748

Ion Ratio Lower Upper

164 100

162 102.1 80.2 120.2

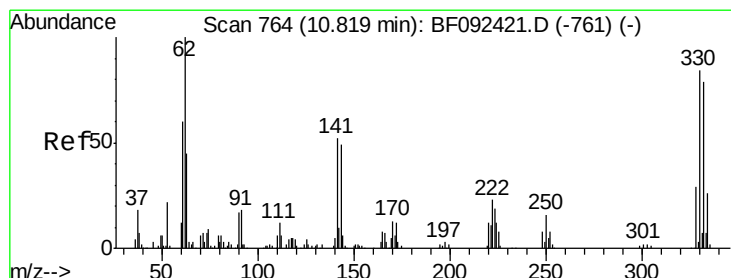
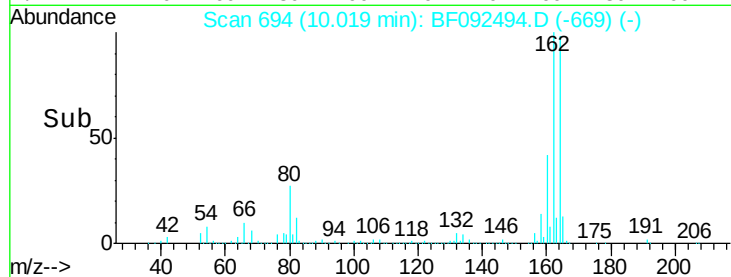
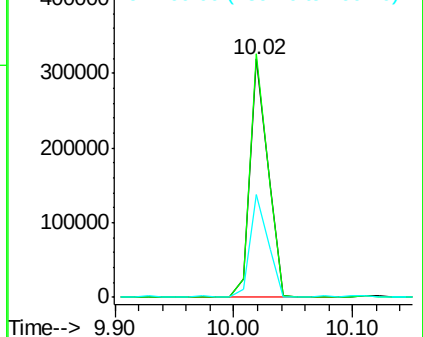
160 43.1 36.9 55.3



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: 151.81 ng

RT: 10.82 min Scan# 764

Delta R.T. 0.00 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

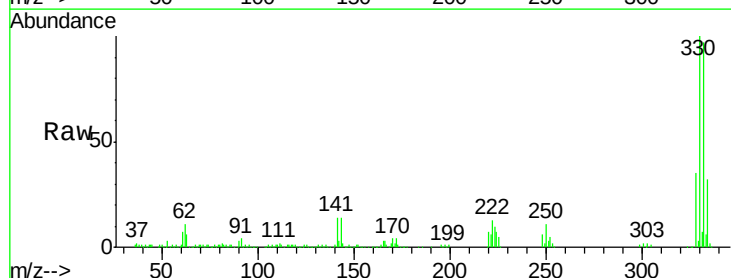
Tgt Ion:330 Resp: 351488

Ion Ratio Lower Upper

330 100

332 96.2 77.4 116.2

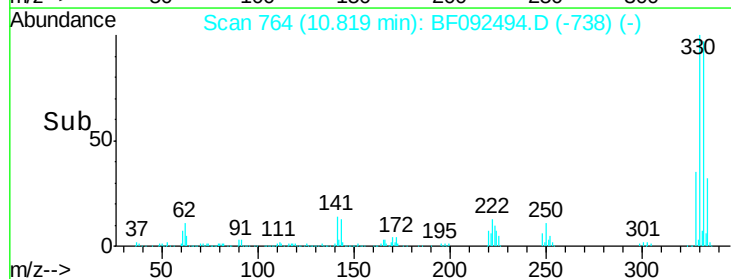
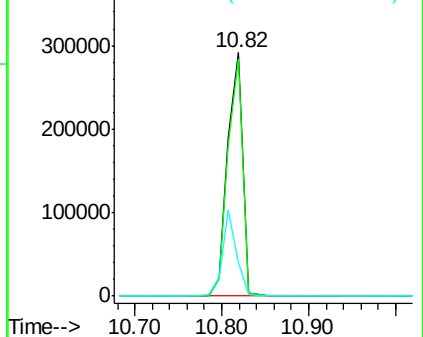
141 33.4 34.1 51.1#

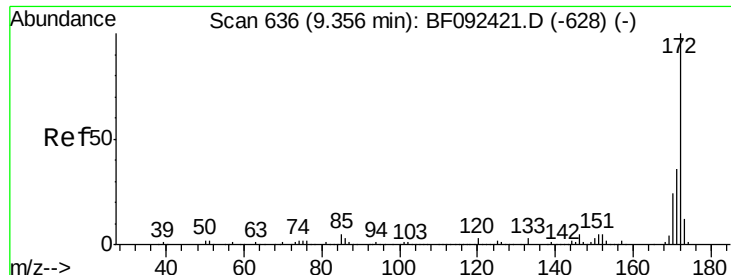


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

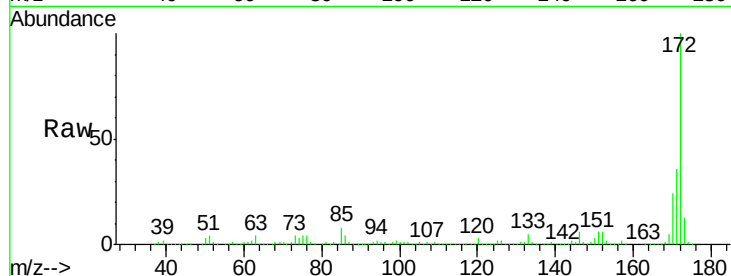




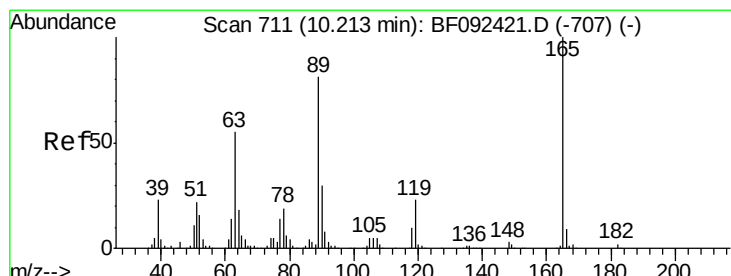
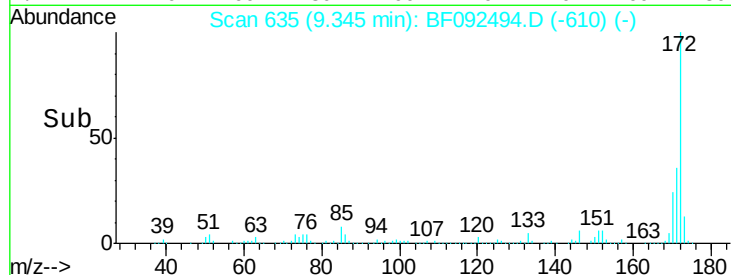
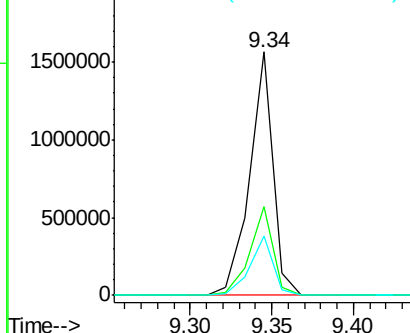
#44
2-Fluorobiphenyl
Concen: 84.53 ng
RT: 9.34 min Scan# 635
Delta R.T. -0.01 min
Lab File: BF092494.D
Acq: 25 Jan 2017 23:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1553148
Ion Ratio Lower Upper
172 100
171 36.4 29.4 44.0
170 24.4 20.2 30.4

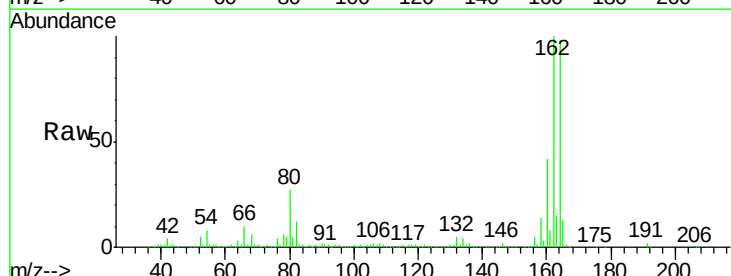


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

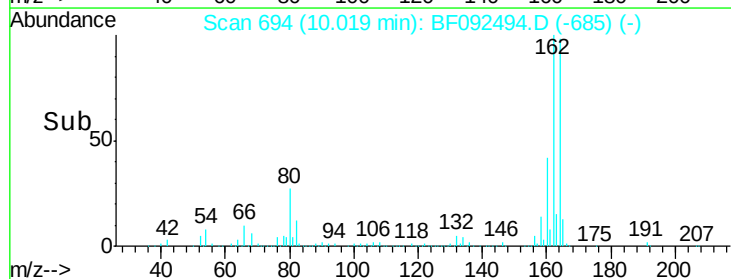
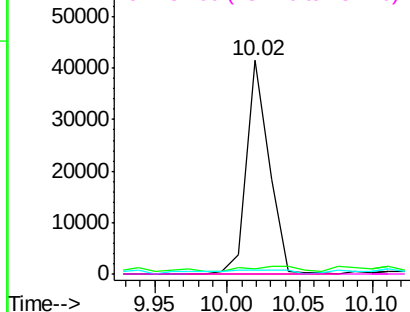


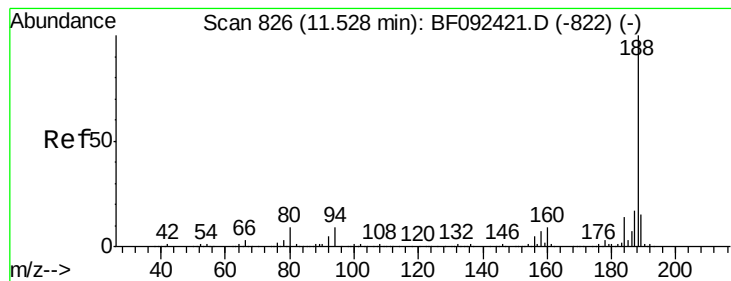
#56
2,4-Dinitrotoluene
Concen: 7.64 ng
RT: 10.02 min Scan# 694
Delta R.T. -0.19 min
Lab File: BF092494.D
Acq: 25 Jan 2017 23:19

Tgt Ion:165 Resp: 44762
Ion Ratio Lower Upper
165 100
63 2.3 40.2 60.4#
89 1.7 62.5 93.7#
182 0.0 1.8 2.8#



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
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.51 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampleId :

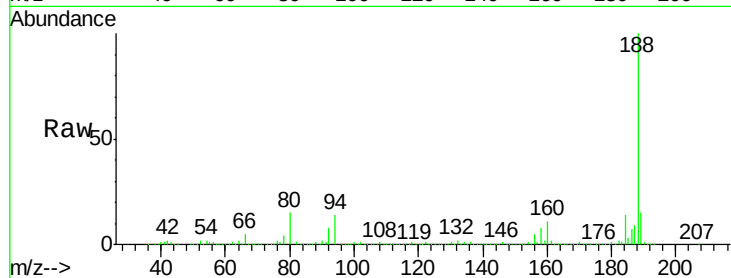
Tot Ion:188 Resp: 548754

Ion Ratio Lower Upper

188 100

94 13.8 10.0 15.0

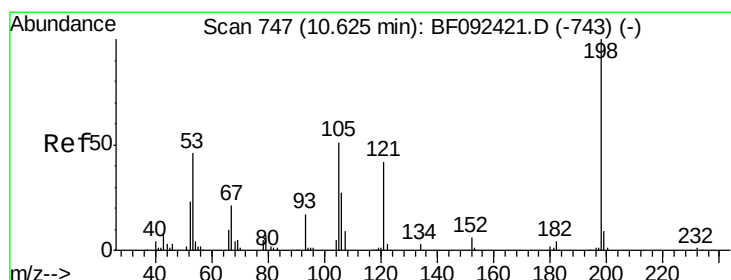
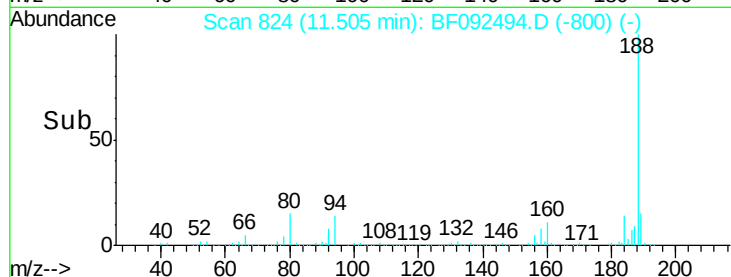
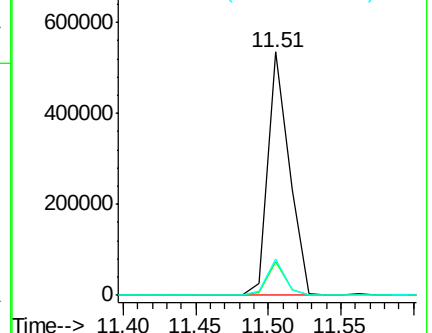
80 15.1 11.2 16.8



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: 5.12 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

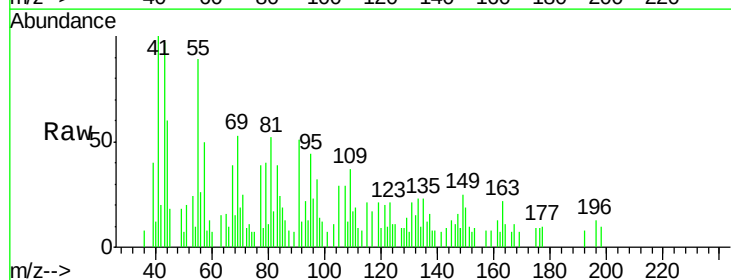
Tgt Ion:198 Resp: 546

Ion Ratio Lower Upper

198 100

51 204.2 6.7 46.7#

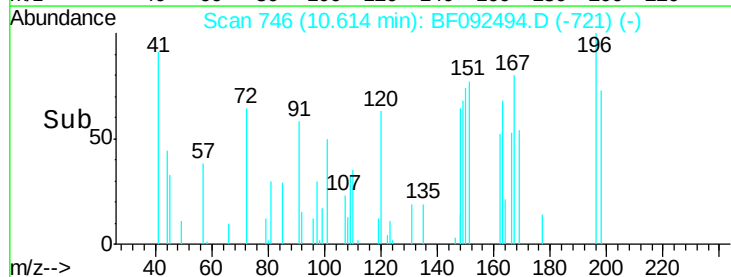
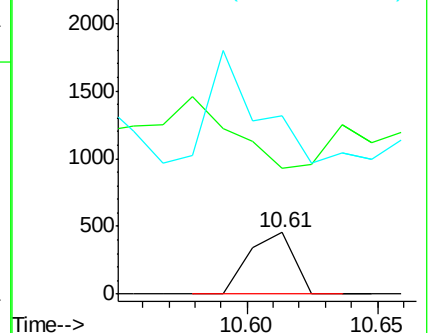
105 290.7 16.6 56.6#

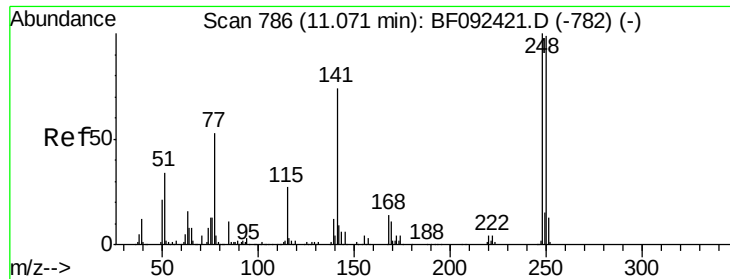


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#66

4-Bromophenyl-phenylether

Concen: 4.52 ng

RT: 10.81 min Scan# 763

Delta R.T. -0.26 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

Instrument :

BNA_F

ClientSampled :

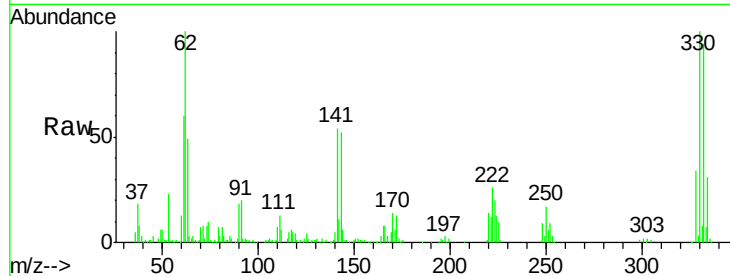
Tot Ion:248 Resp: 25042

Ion Ratio Lower Upper

248 100

250 181.3 76.9 115.3#

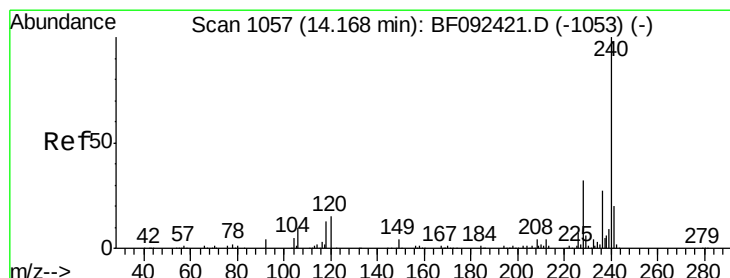
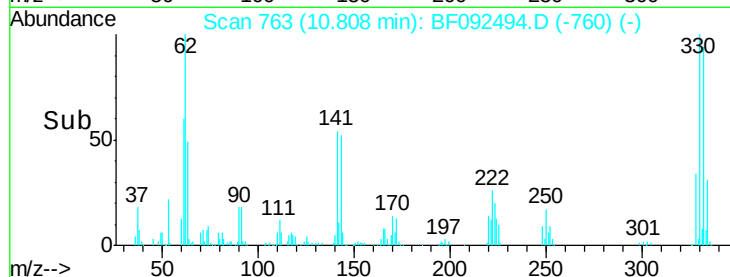
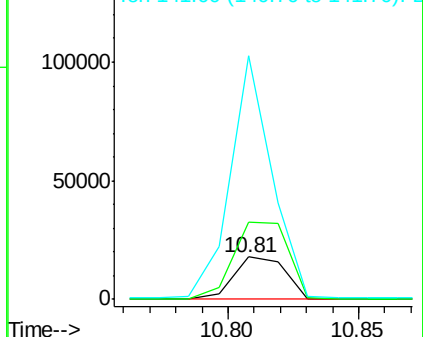
141 574.7 68.2 102.4#



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: 14.15 min Scan# 1055

Delta R.T. -0.02 min

Lab File: BF092494.D

Acq: 25 Jan 2017 23:19

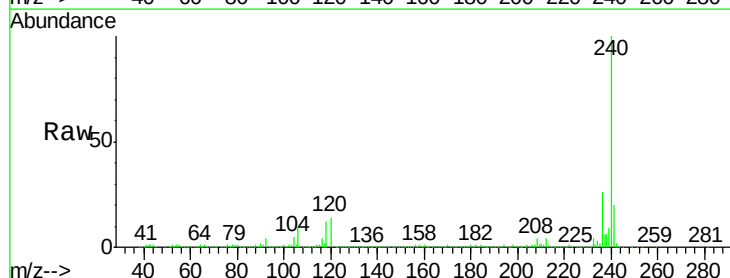
Tgt Ion:240 Resp: 468559

Ion Ratio Lower Upper

240 100

120 14.3 12.9 19.3

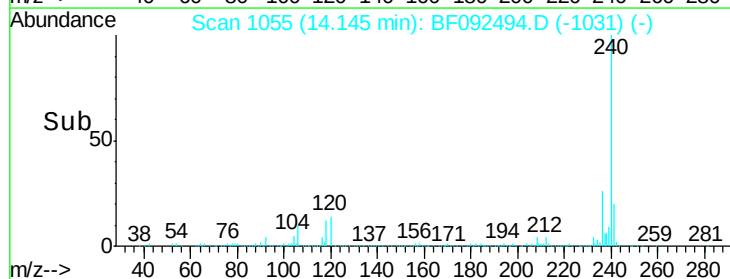
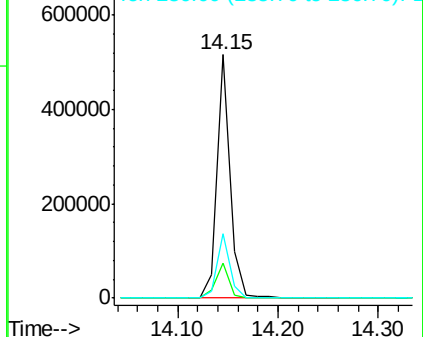
236 26.5 20.9 31.3

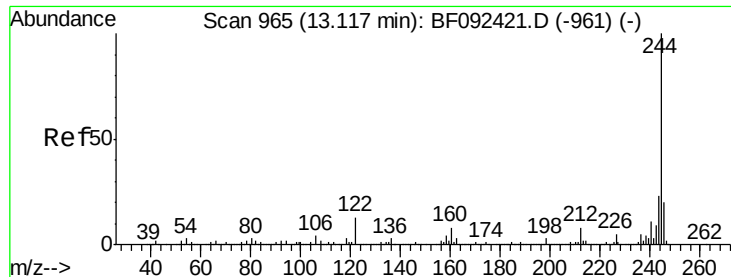


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

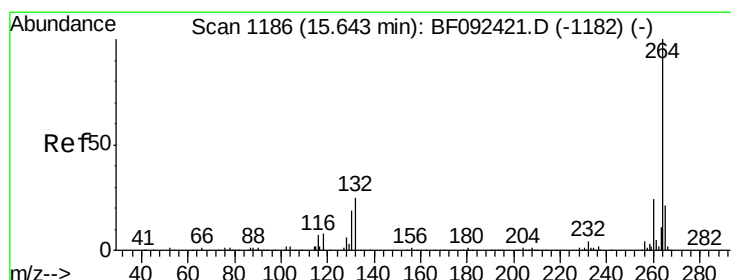
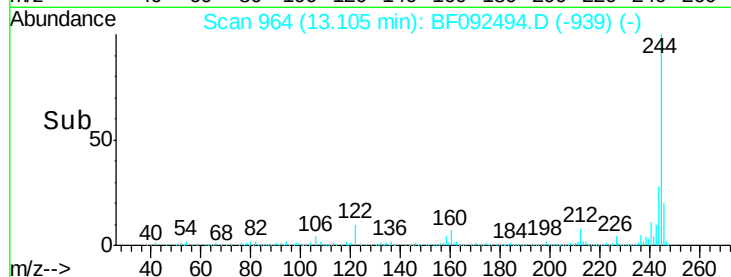
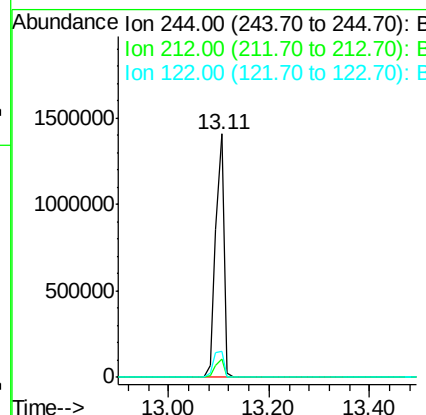
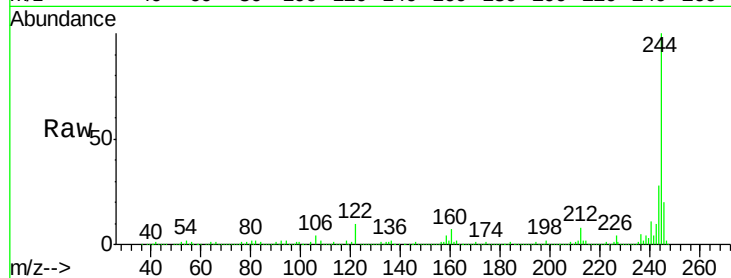




#78
 Terphenyl-d14
 Concen: 93.32 ng
 RT: 13.11 min Scan# 964
 Delta R.T. -0.01 min
 Lab File: BF092494.D
 Acq: 25 Jan 2017 23:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1642032
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 10.4 11.4 17.2#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.62 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF092494.D
 Acq: 25 Jan 2017 23:19

Tgt Ion:264 Resp: 352441
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.2 28.8
 265 21.5 17.4 26.0

