

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012617\
 Data File : BF092563.D
 Acq On : 27 Jan 2017 8:49
 Operator : SJ/MA
 Sample : I1353-01
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 27 09:38:53 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	164730	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	613985	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	305193	20.00	ng	0.00
63) Phenanthrene-d10	11.53	188	470557	20.00	ng	0.00
75) Chrysene-d12	14.17	240	378721	20.00	ng	0.00
86) Perylene-d12	15.64	264	323072	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	666205	62.92	ng	0.02
7) Phenol-d6	6.60	99	503654	37.34	ng	0.01
23) Nitrobenzene-d5	7.54	82	993001	88.35	ng	0.00
41) 2,4,6-Tribromophenol	10.84	330	312692	150.35	ng	0.02
44) 2-Fluorobiphenyl	9.36	172	1577954	95.61	ng	0.00
78) Terphenyl-d14	13.12	244	1303902	91.68	ng	0.00

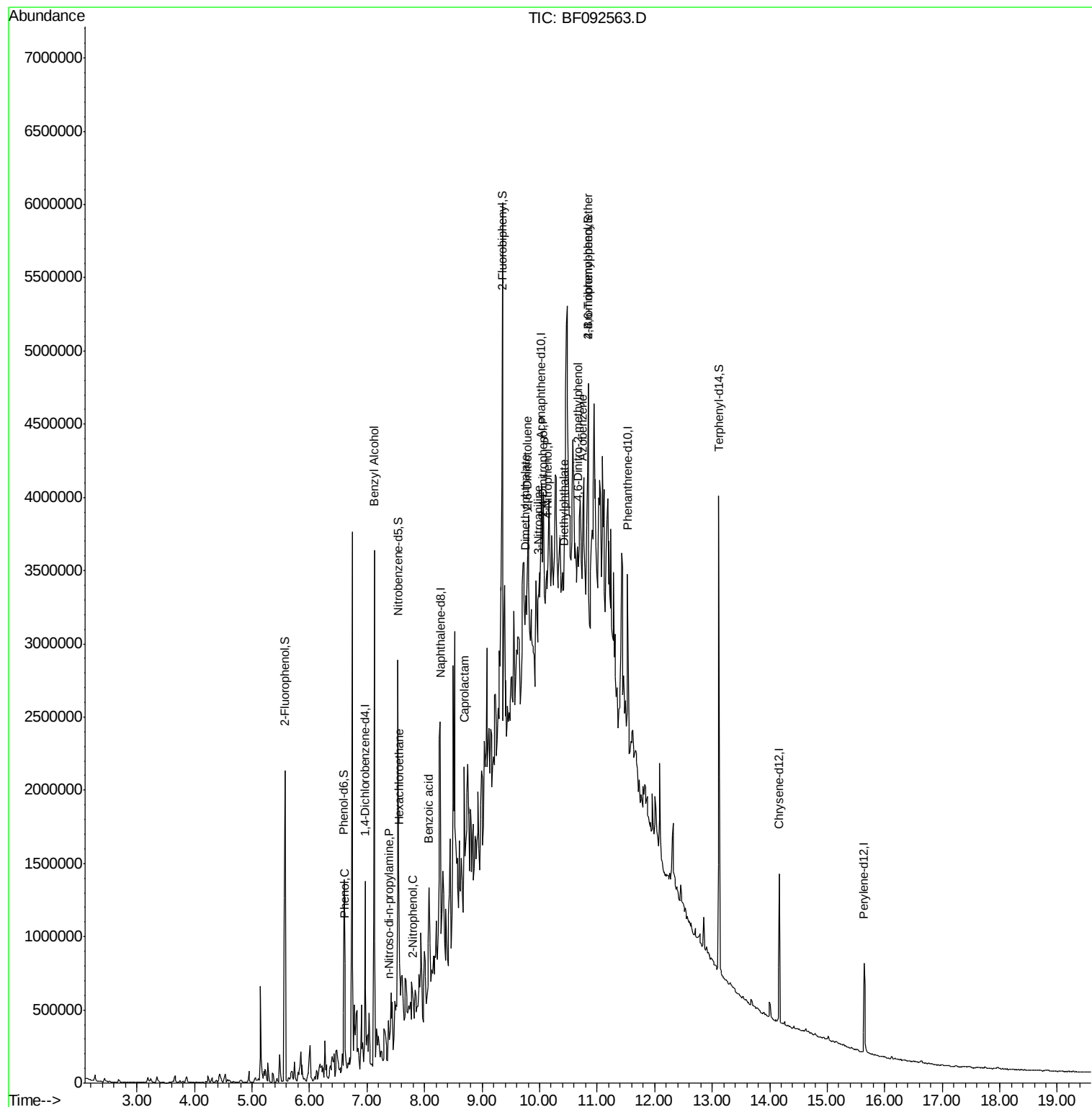
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	54649	3.36	ng	96
15) Benzyl Alcohol	7.13	79	23028	2.27	ng	# 45
18) Hexachloroethane	7.55	117	11581	2.54	ng	# 1
19) n-Nitroso-di-n-propylamine	7.38	70	23895	2.60	ng	# 20
26) 2-Nitrophenol	7.80	139	13641	2.76	ng	# 49
32) Benzoic acid	8.08	122	7582	5.59	ng	# 41
35) Caprolactam	8.69	113	29162	9.82	ng	# 1
49) Dimethylphthalate	9.76	163	75312	3.88	ng	# 51
50) 2,6-Dinitrotoluene	9.79	165	19375	4.88	ng	# 1
52) 3-Nitroaniline	9.97	138	30679	6.18	ng	# 10
53) 2,4-Dinitrophenol	10.05	184	370	3.11	ng	# 1
55) 4-Nitrophenol	10.14	139	18626	4.72	ng	# 1
59) Diethylphthalate	10.42	149	60966	3.28	ng	# 65
62) Azobenzene	10.75	77	80368	3.80	ng	# 34
64) 4,6-Dinitro-2-methylphenol	10.66	198	3684	6.25	ng	# 1
66) 4-Bromophenyl-phenylether	10.84	248	23253	4.89	ng	# 1

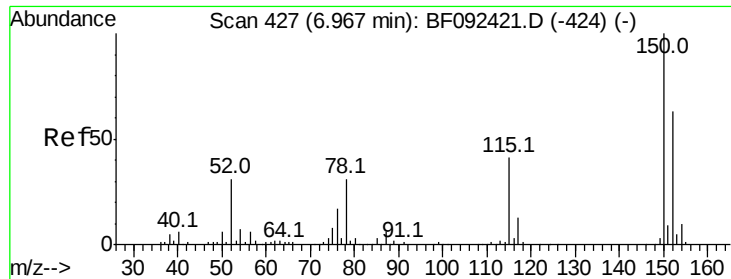
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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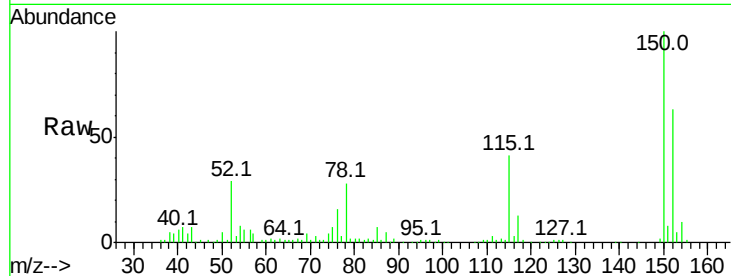


#1

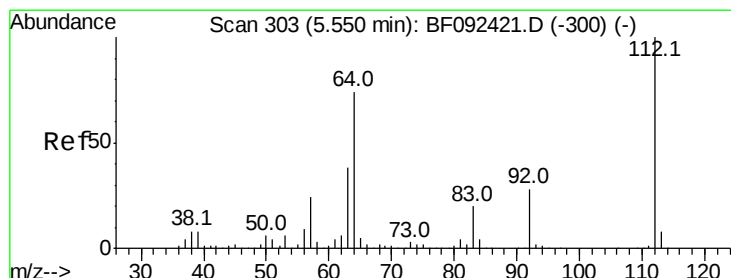
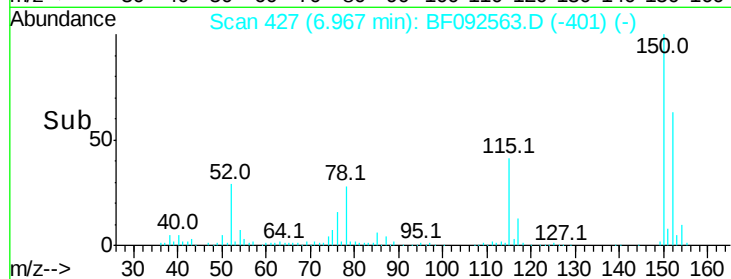
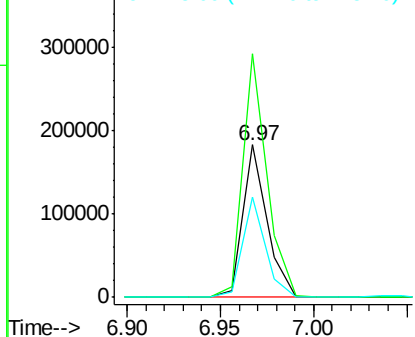
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.97 min Scan# 427
Delta R.T. -0.00 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164730
Ion Ratio Lower Upper
152 100
150 159.9 124.9 187.3
115 65.7 46.0 69.0



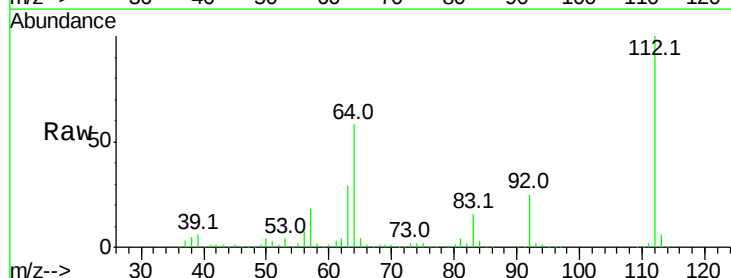
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



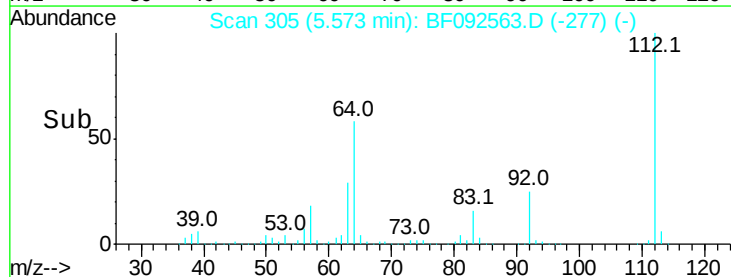
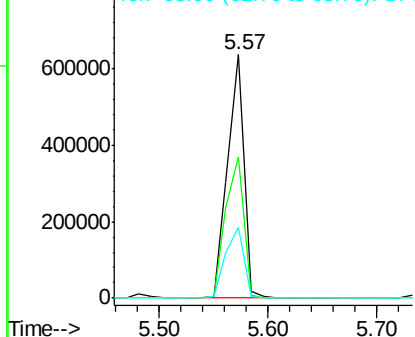
#5

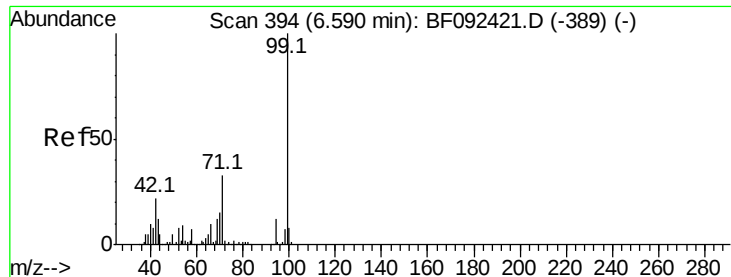
2-Fluorophenol
Concen: 62.92 ng
RT: 5.57 min Scan# 305
Delta R.T. 0.02 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

Tgt Ion:112 Resp: 666205
Ion Ratio Lower Upper
112 100
64 58.0 46.1 69.1
63 29.2 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: 37.34 ng

RT: 6.60 min Scan# 395

Delta R.T. 0.01 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

Instrument :

BNA_F

ClientSampleId :

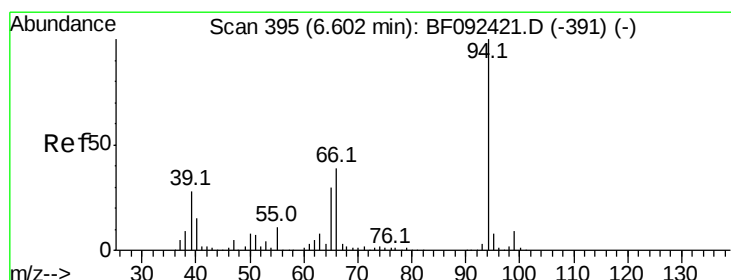
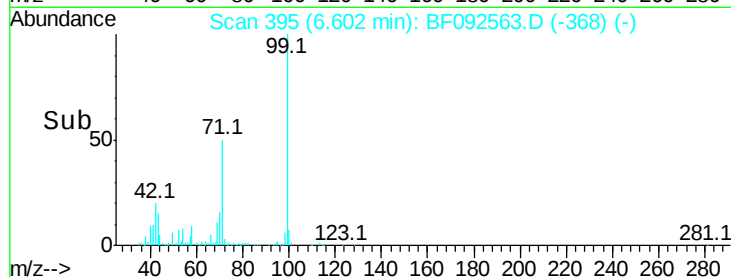
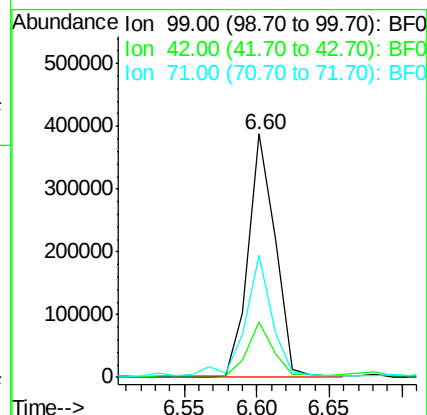
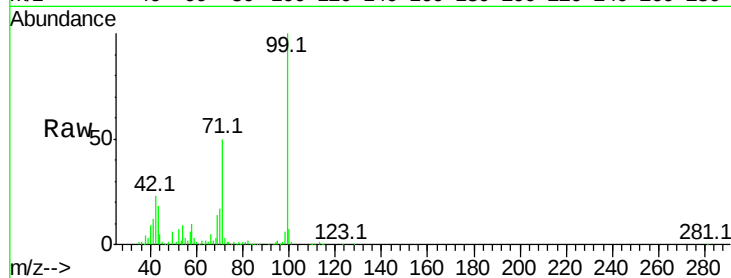
Tot Ion: 99 Resp: 503654

Ion Ratio Lower Upper

99 100

42 22.8 15.6 23.4

71 50.1 27.5 41.3#



#10

Phenol

Concen: 3.36 ng

RT: 6.61 min Scan# 396

Delta R.T. 0.01 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

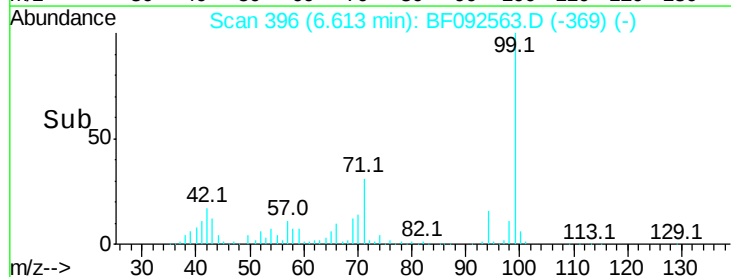
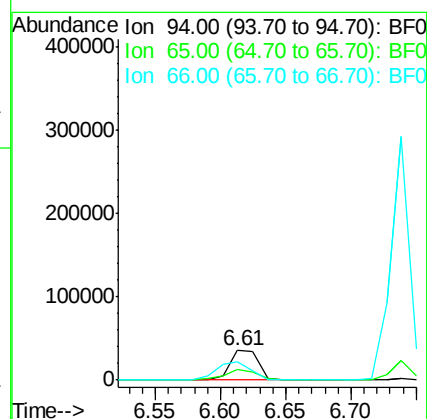
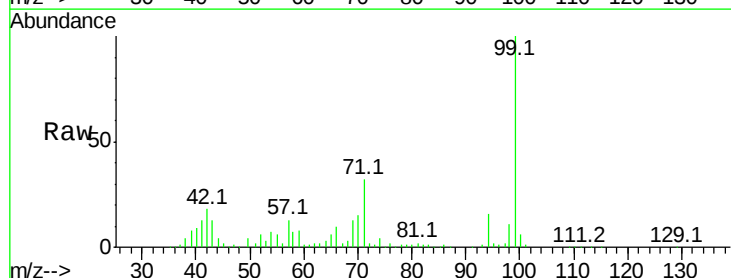
Tgt Ion: 94 Resp: 54649

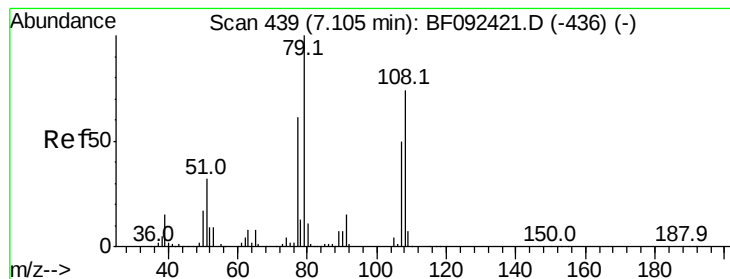
Ion Ratio Lower Upper

94 100

65 37.8 21.4 61.4

66 61.5 44.0 84.0





#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.02 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

Instrument :

BNA_F

ClientSampleId :

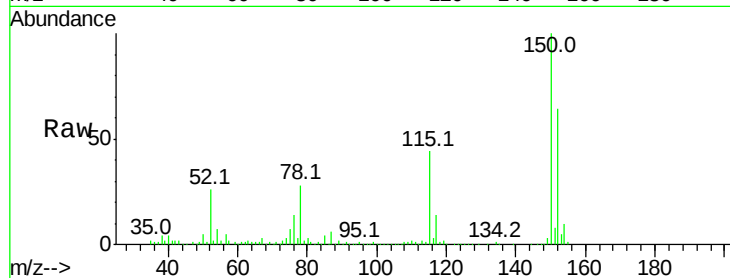
Tot Ion: 79 Resp: 23028

Ion Ratio Lower Upper

79 100

108 26.2 61.4 92.0#

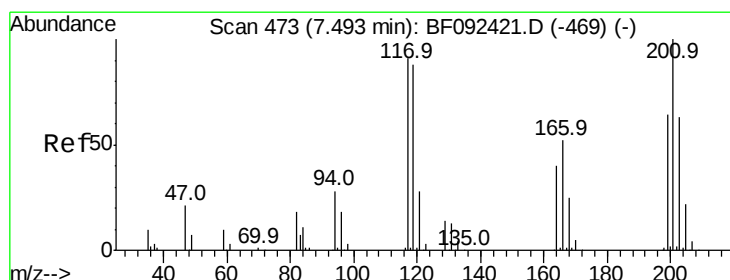
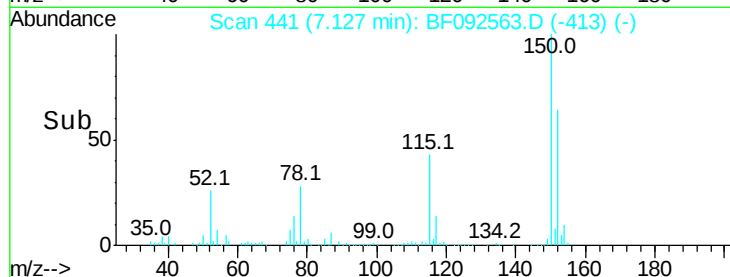
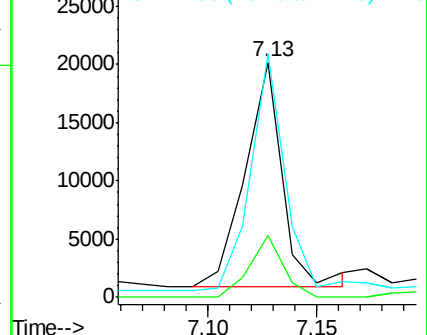
77 103.6 50.9 76.3#



Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0



#18

Hexachloroethane

Concen: 2.54 ng

RT: 7.55 min Scan# 478

Delta R.T. 0.06 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

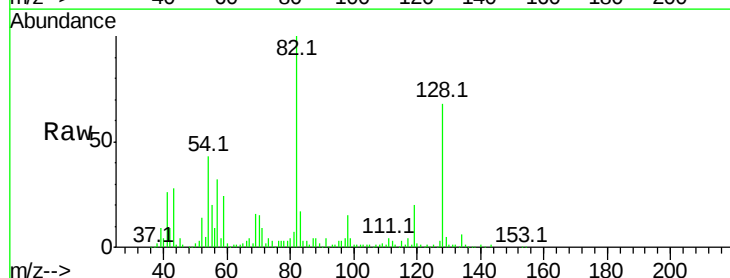
Tgt Ion: 117 Resp: 11581

Ion Ratio Lower Upper

117 100

119 467.5 78.1 117.1#

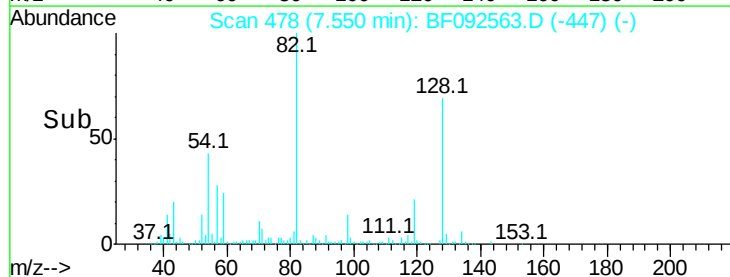
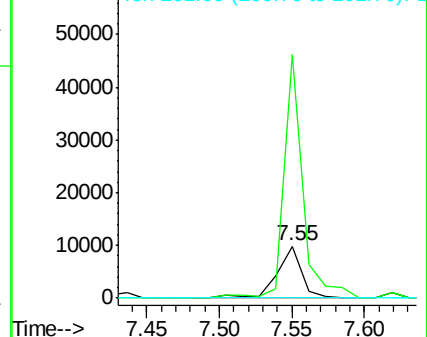
201 0.0 78.6 117.8#

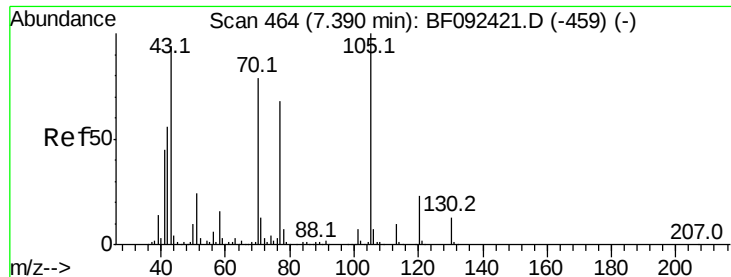


Abundance Ion 117.00 (116.70 to 117.70): BF0

Ion 119.00 (118.70 to 119.70): BF0

Ion 201.00 (200.70 to 201.70): BF0

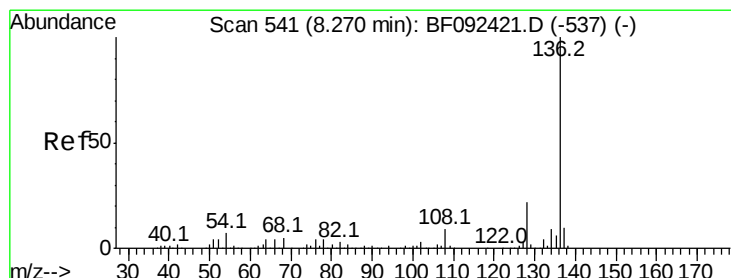
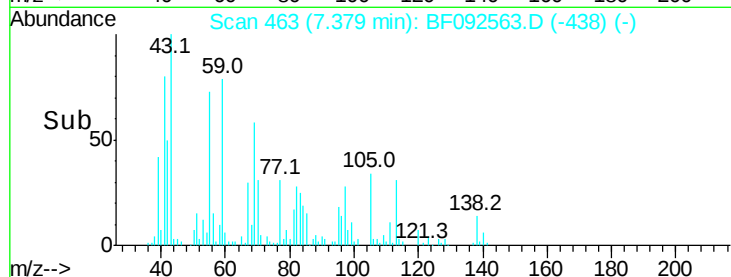
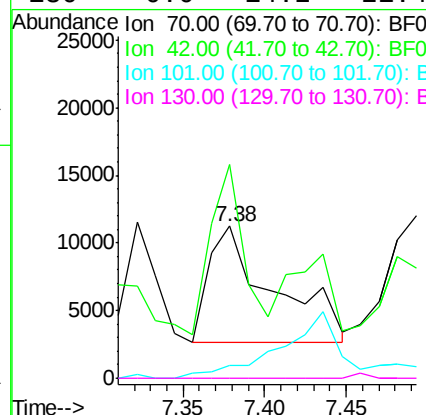
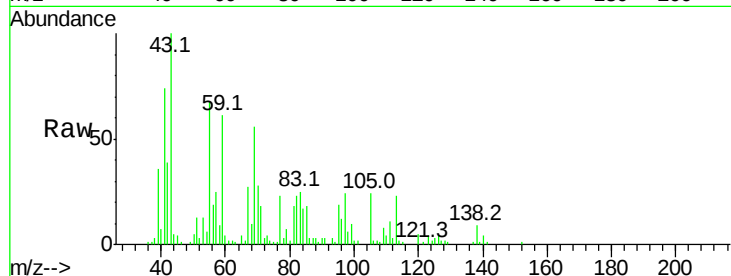




#19
n-Nitroso-di-n-propylamine
Concen: 2.60 ng
RT: 7.38 min Scan# 463
Delta R.T. -0.01 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

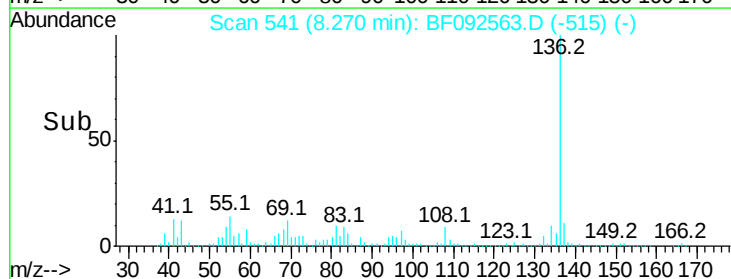
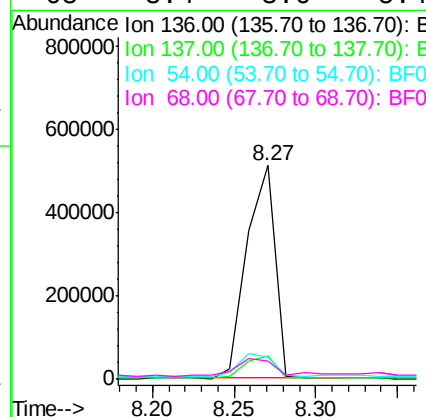
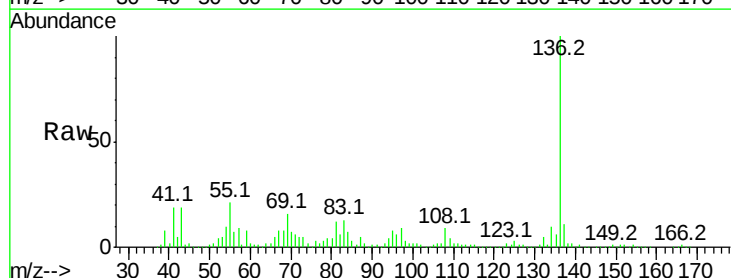
Instrument :
BNA_F
ClientSampled :

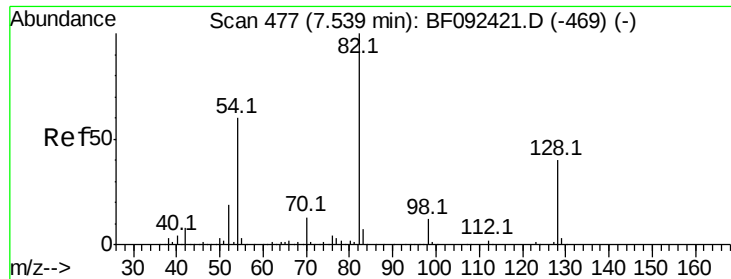
Tot Ion: 70 Resp: 23895
Ion Ratio Lower Upper
70 100
42 140.4 49.4 74.0#
101 8.2 7.4 11.2
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.27 min Scan# 541
Delta R.T. -0.00 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

Tgt Ion: 136 Resp: 613985
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.9 4.5 6.7#
68 8.4 3.6 5.4#

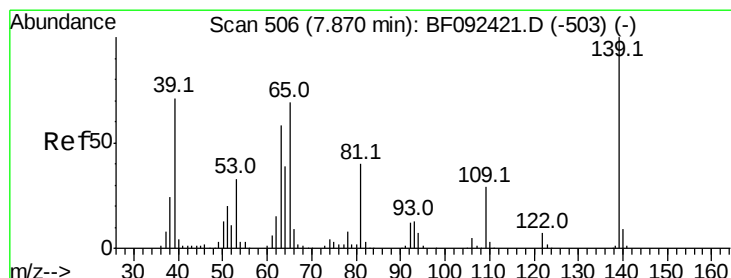
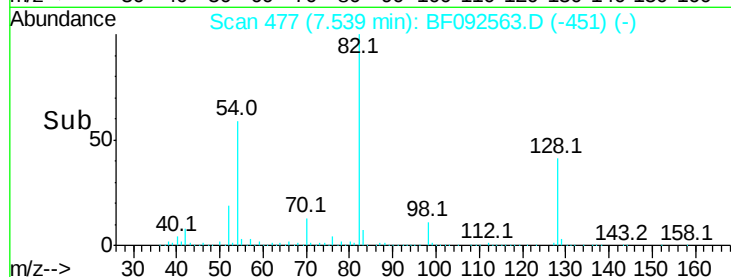
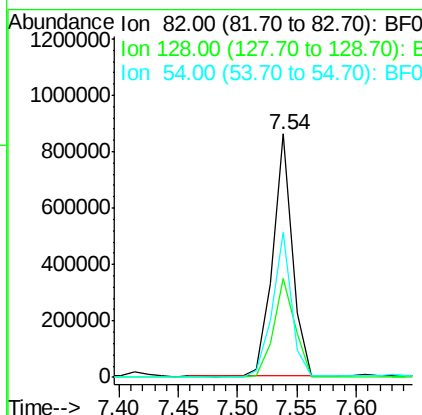
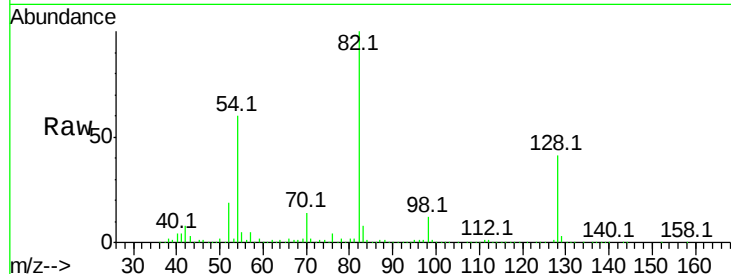




#23
 Nitrobenzene-d5
 Concen: 88.35 ng
 RT: 7.54 min Scan# 477
 Delta R.T. -0.00 min
 Lab File: BF092563.D
 Acq: 27 Jan 2017 8:49

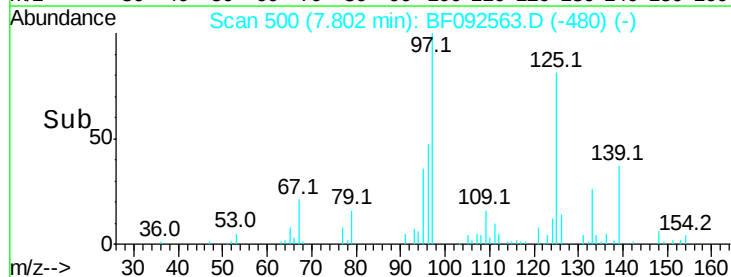
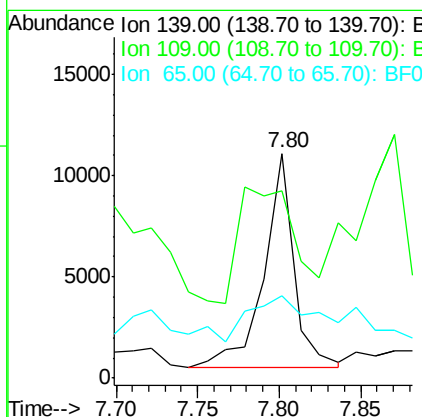
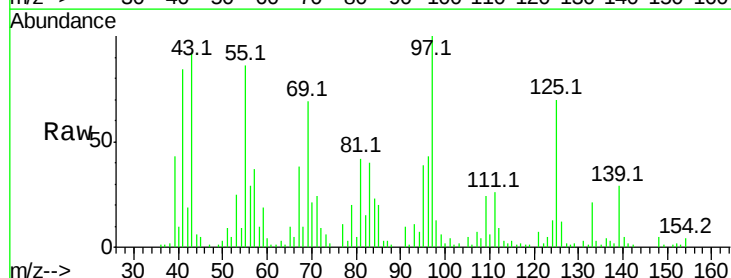
Instrument :
 BNA_F
 ClientSampled :

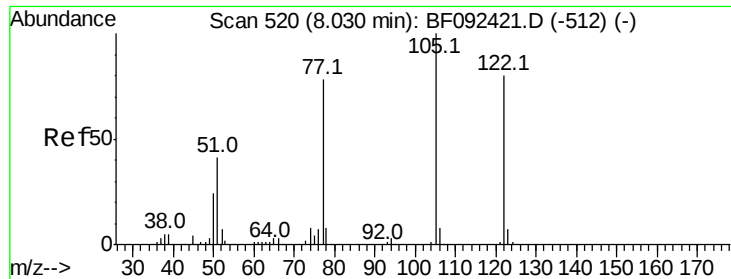
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.7	34.6	52.0
54	59.5	39.5	59.3#



#26
 2-Nitrophenol
 Concen: 2.76 ng
 RT: 7.80 min Scan# 500
 Delta R.T. -0.07 min
 Lab File: BF092563.D
 Acq: 27 Jan 2017 8:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	83.4	23.3	34.9#
65	36.4	42.7	64.1#





#32

Benzoic acid

Concen: 5.59 ng

RT: 8.08 min Scan# 524

Delta R.T. 0.05 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

Instrument :

BNA_F

ClientSampled :

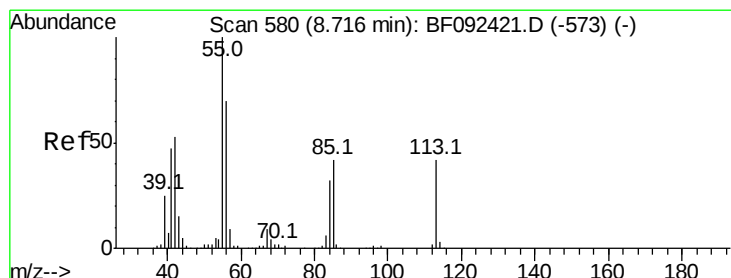
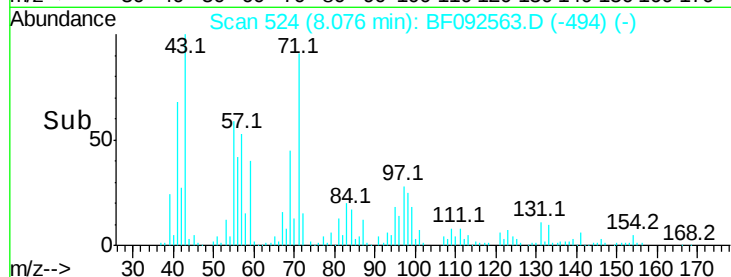
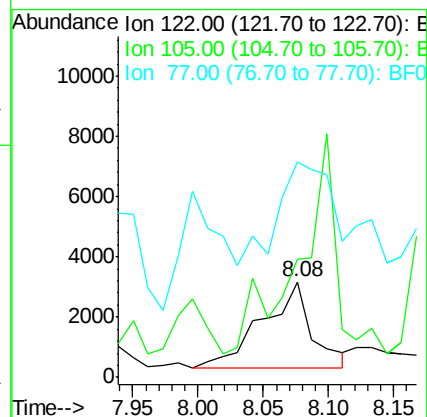
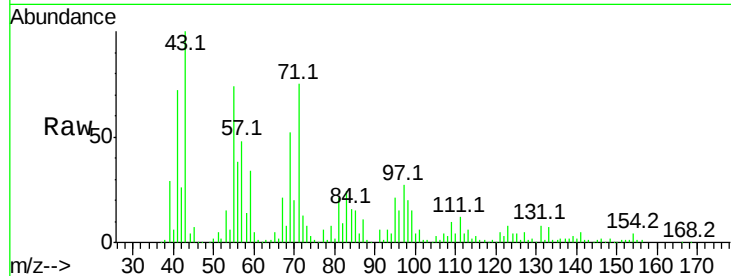
Tot Ion:122 Resp: 7582

Ion Ratio Lower Upper

122 100

105 123.5 107.2 147.2

77 224.6 74.5 114.5#



#35

Caprolactam

Concen: 9.82 ng

RT: 8.69 min Scan# 578

Delta R.T. -0.02 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

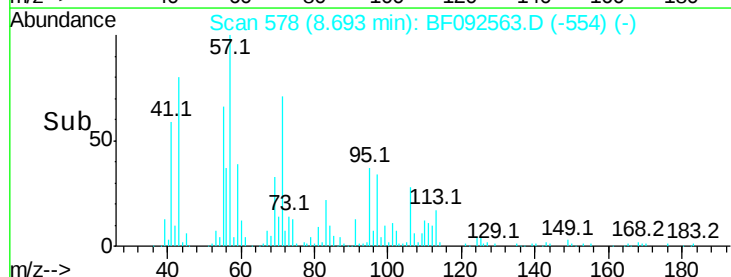
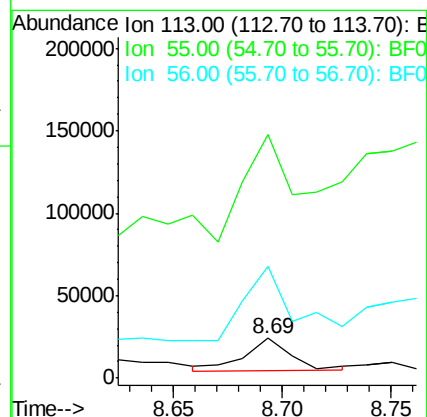
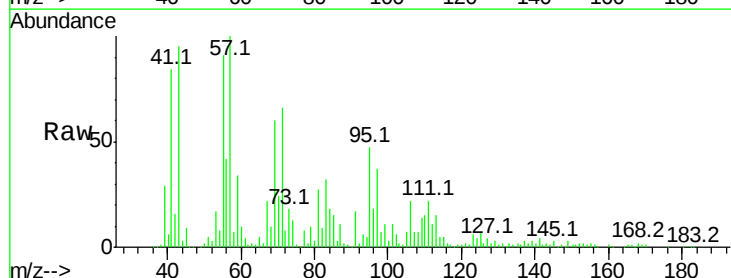
Tgt Ion:113 Resp: 29162

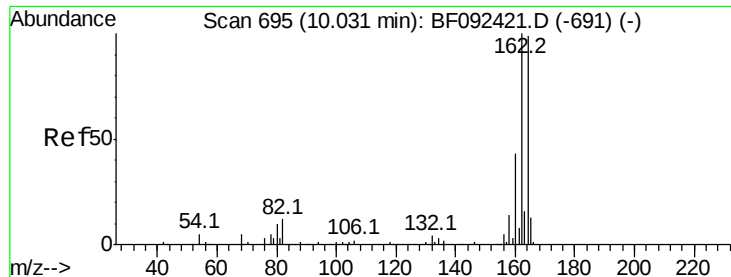
Ion Ratio Lower Upper

113 100

55 610.3 119.2 159.2#

56 279.6 83.8 123.8#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.00 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

Instrument :

BNA_F

ClientSampleId :

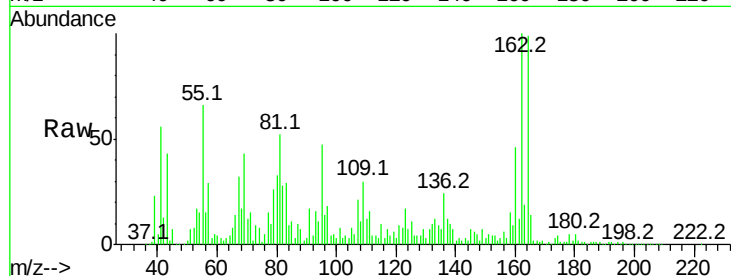
Tot Ion:164 Resp: 305193

Ion Ratio Lower Upper

164 100

162 101.3 80.2 120.2

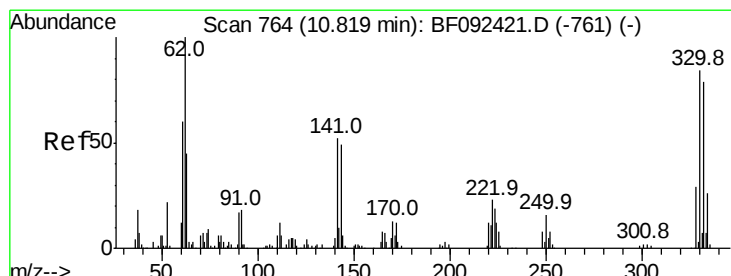
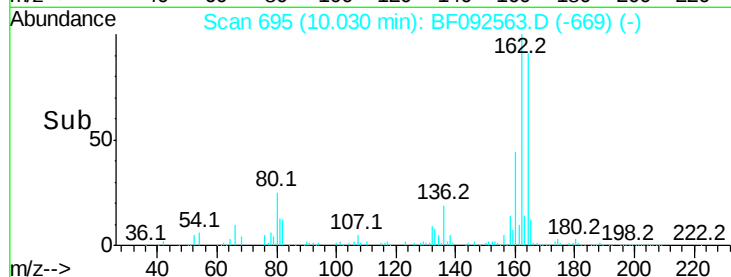
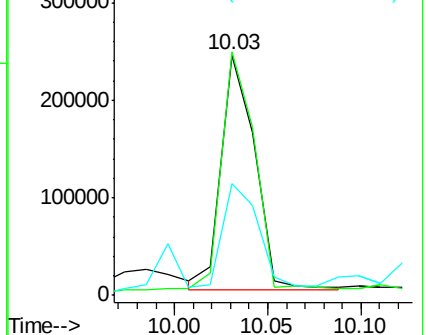
160 46.5 36.9 55.3



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: 150.35 ng

RT: 10.84 min Scan# 766

Delta R.T. 0.02 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

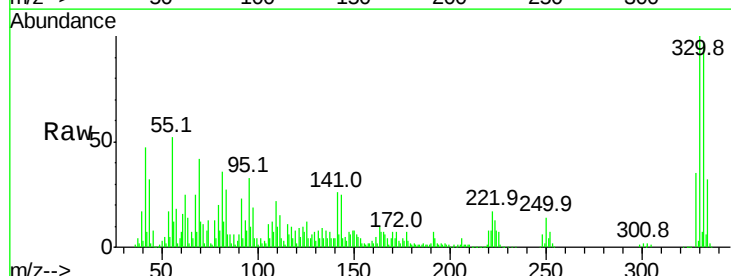
Tgt Ion:330 Resp: 312692

Ion Ratio Lower Upper

330 100

332 96.3 77.4 116.2

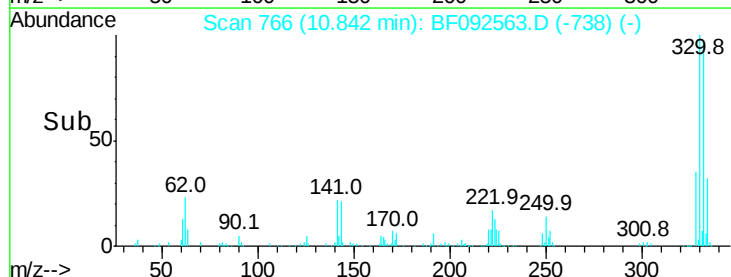
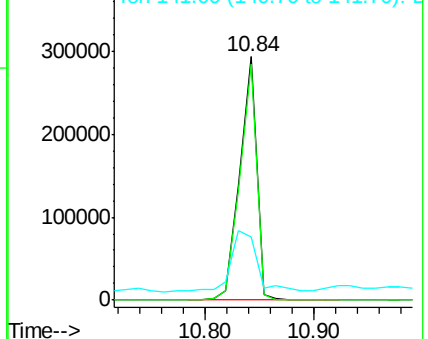
141 38.5 34.1 51.1

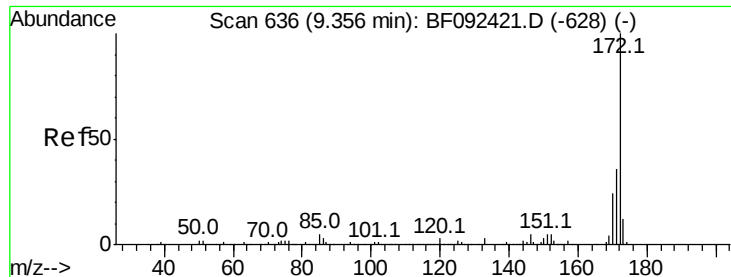


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 95.61 ng

RT: 9.36 min Scan# 636

Delta R.T. -0.00 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

Instrument :

BNA_F

ClientSampleId :

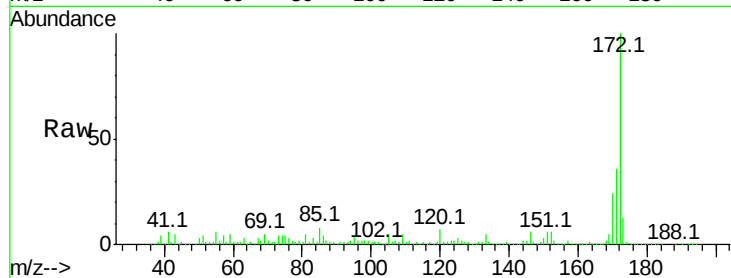
Tot Ion:172 Resp: 1577954

Ion Ratio Lower Upper

172 100

171 36.2 29.4 44.0

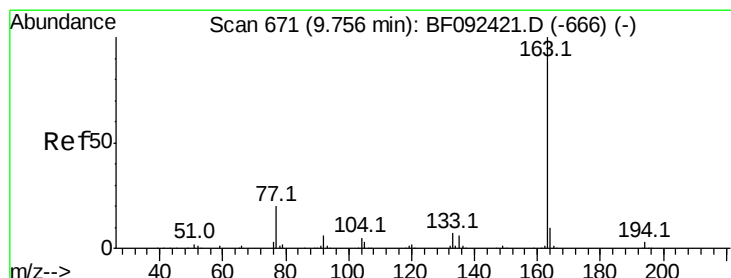
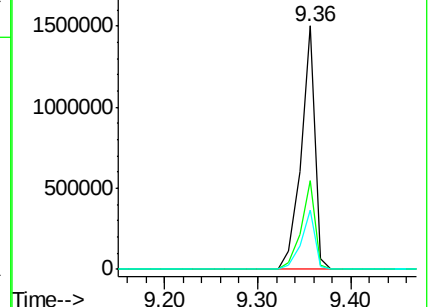
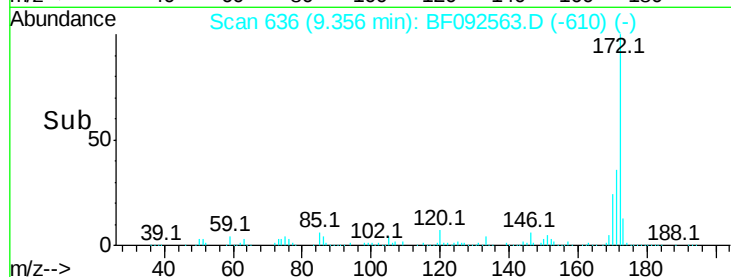
170 24.2 20.2 30.4



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: 3.88 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.00 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

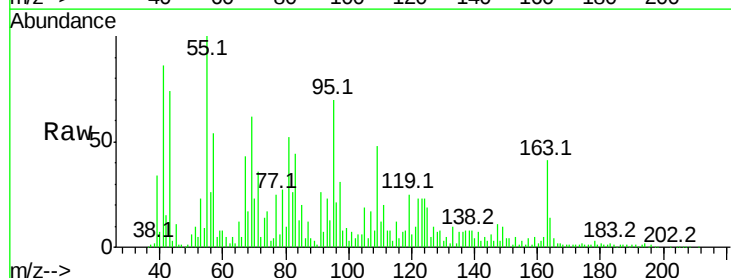
Tgt Ion:163 Resp: 75312

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

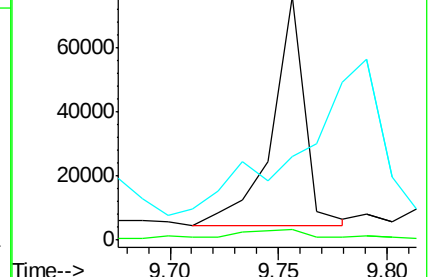
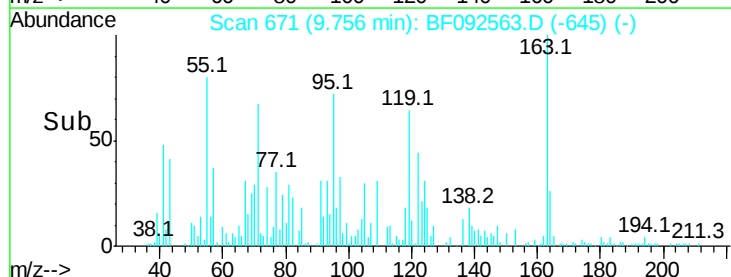
164 34.5 8.0 12.0#

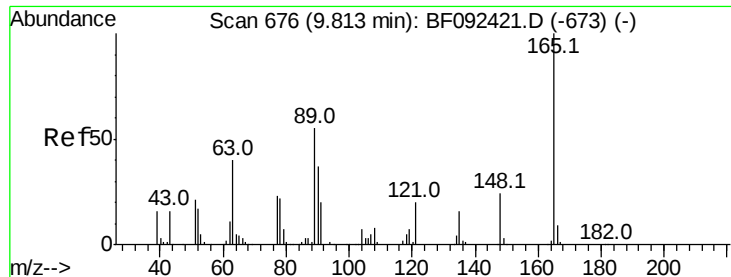


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 4.88 ng

RT: 9.79 min Scan# 674

Delta R.T. -0.02 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

Instrument :

BNA_F

ClientSampled :

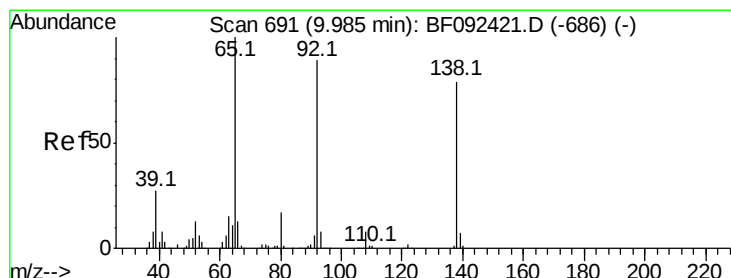
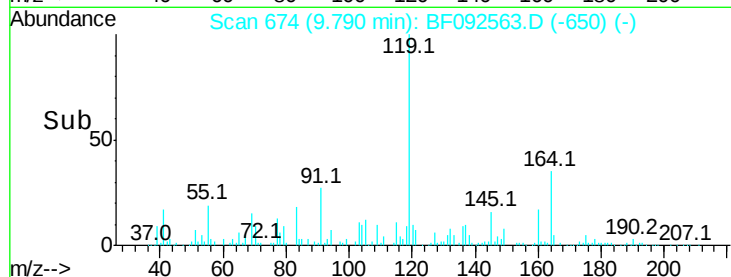
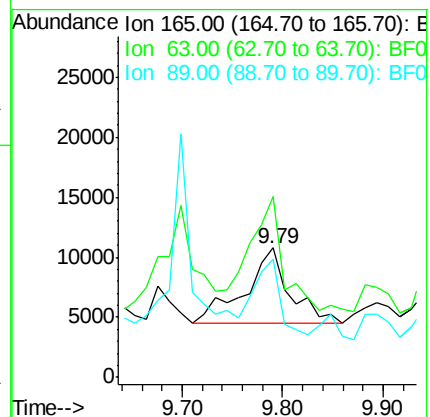
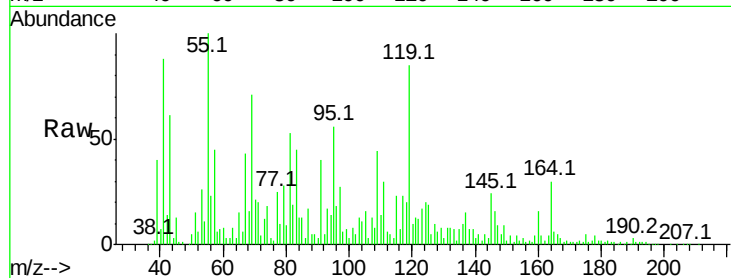
Tot Ion:165 Resp: 19375

Ion Ratio Lower Upper

165 100

63 140.3 36.2 54.4#

89 91.7 40.2 60.4#



#52

3-Nitroaniline

Concen: 6.18 ng

RT: 9.97 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

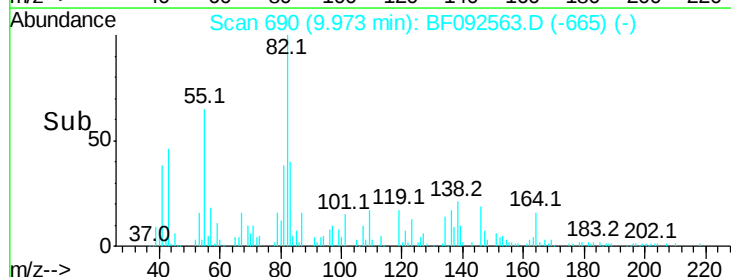
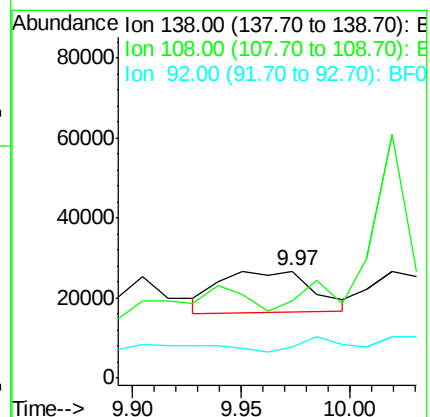
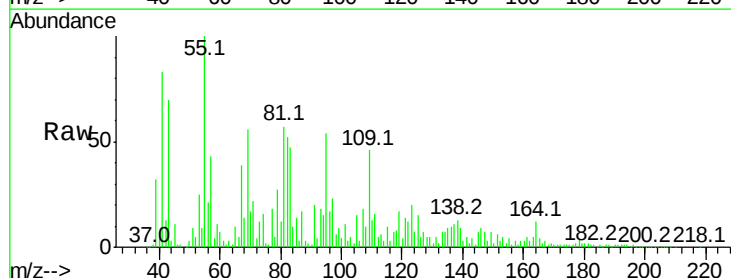
Tgt Ion:138 Resp: 30679

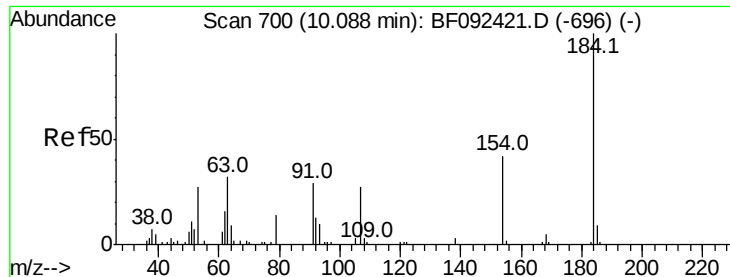
Ion Ratio Lower Upper

138 100

108 71.9 8.5 12.7#

92 28.6 97.8 146.8#

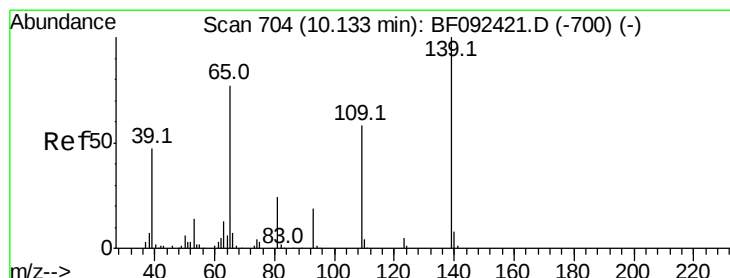
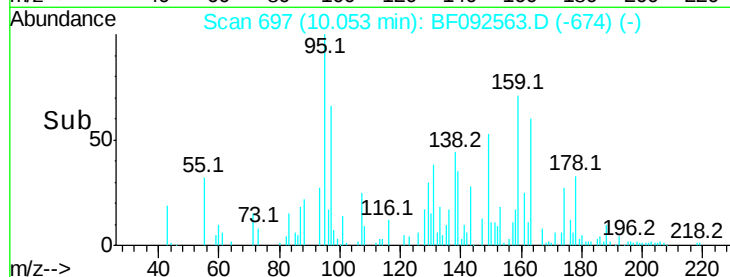
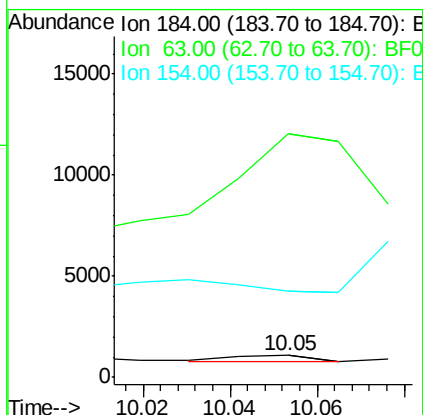
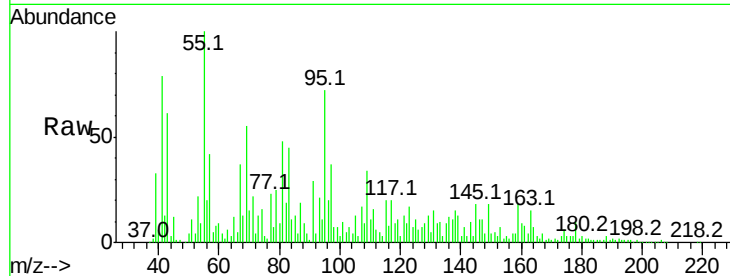




#53
2,4-Dinitrophenol
Concen: 3.11 ng
RT: 10.05 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

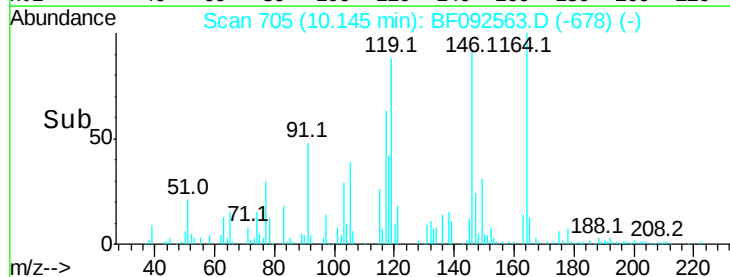
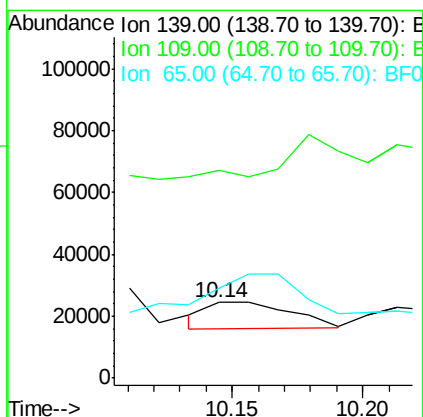
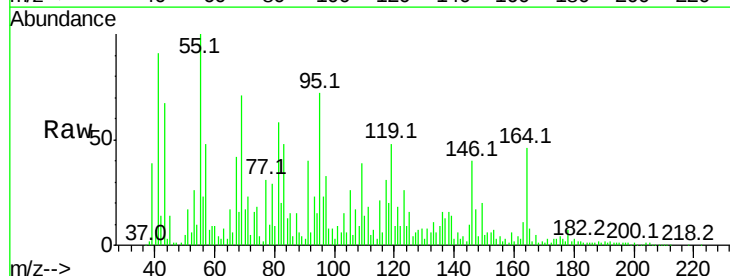
Instrument :
BNA_F
ClientSampled :

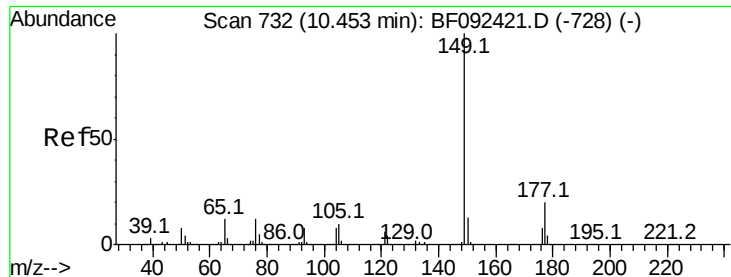
Tot Ion:184 Resp: 370
Ion Ratio Lower Upper
184 100
63 1105.7 28.4 42.6#
154 391.8 44.3 66.5#



#55
4-Nitrophenol
Concen: 4.72 ng
RT: 10.14 min Scan# 705
Delta R.T. 0.01 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

Tgt Ion:139 Resp: 18626
Ion Ratio Lower Upper
139 100
109 273.8 52.2 92.2#
65 118.9 85.8 125.8

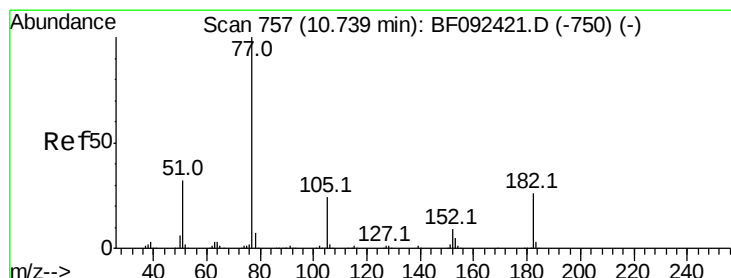
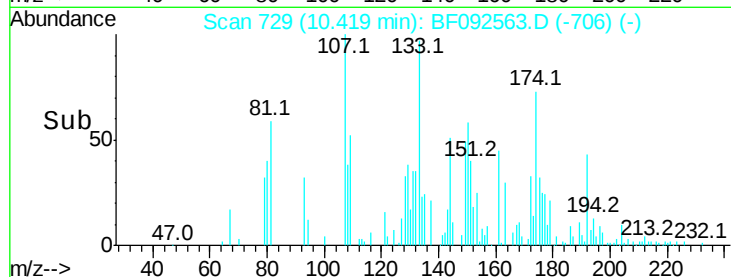
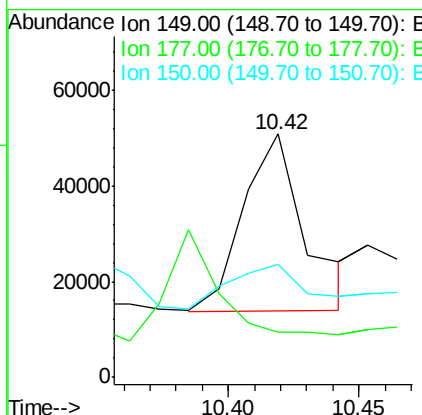
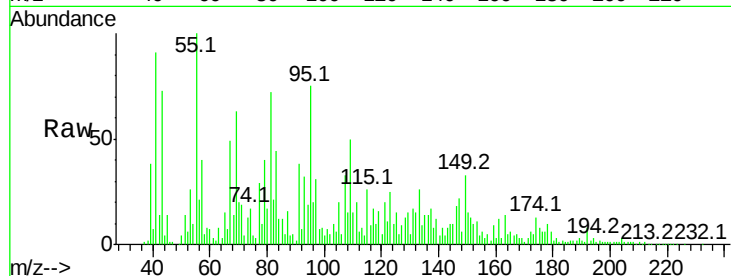




#59
Diethylphthalate
Concen: 3.28 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.03 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

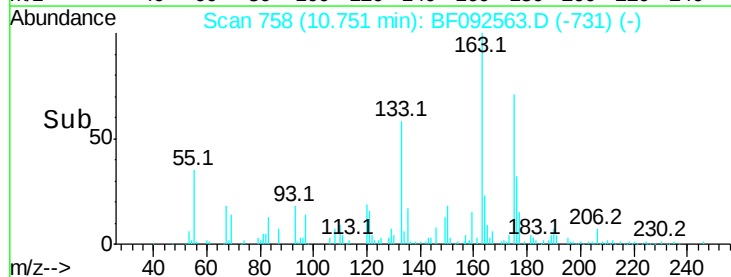
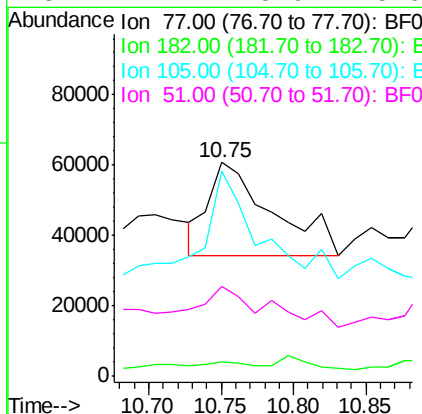
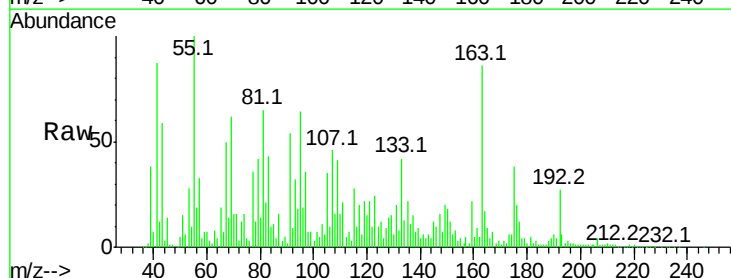
Instrument :
BNA_F
ClientSampled :

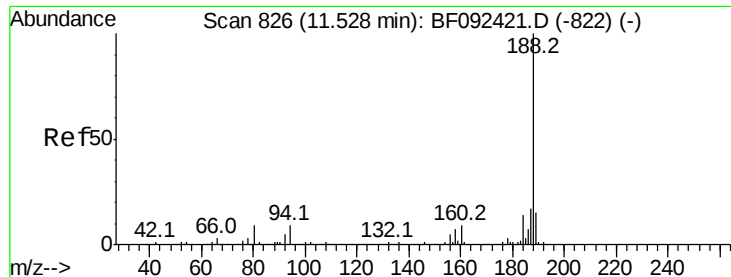
Tot Ion:149 Resp: 60966
Ion Ratio Lower Upper
149 100
177 18.7 16.6 25.0
150 46.4 10.4 15.6#



#62
Azobenzene
Concen: 3.80 ng
RT: 10.75 min Scan# 758
Delta R.T. 0.01 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

Tgt Ion: 77 Resp: 80368
Ion Ratio Lower Upper
77 100
182 6.4 0.0 39.3
105 95.7 2.3 42.3#
51 41.7 8.9 48.9

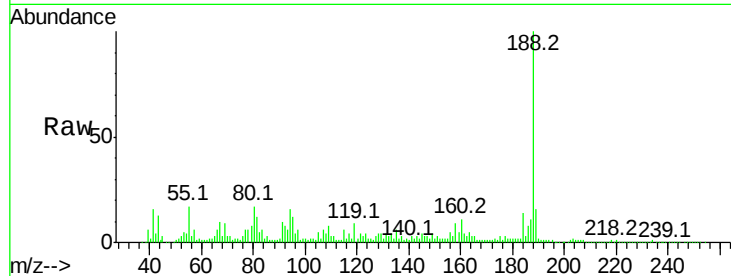




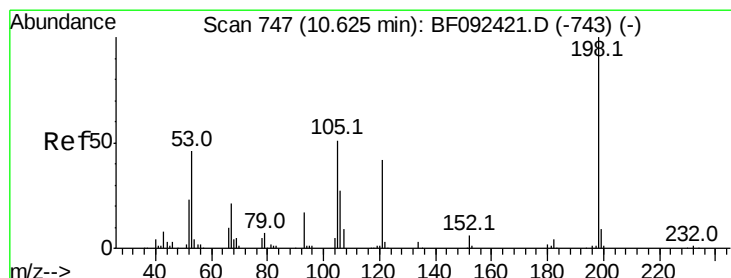
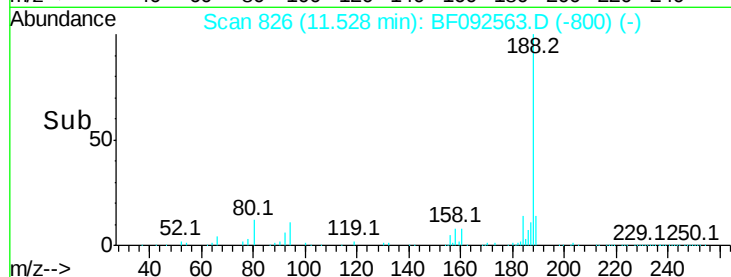
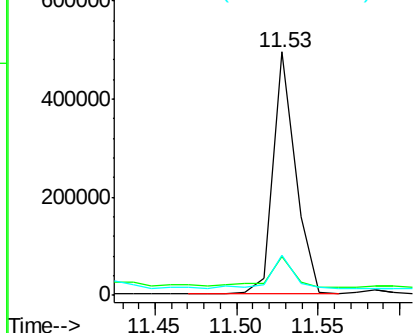
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.53 min Scan# 826
Delta R.T. -0.00 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 470557
Ion Ratio Lower Upper
188 100
94 15.8 10.0 15.0#
80 16.6 11.2 16.8

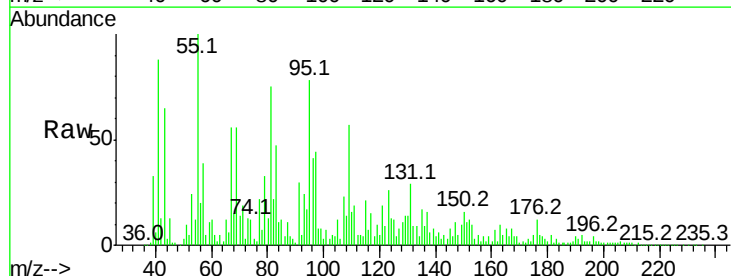


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

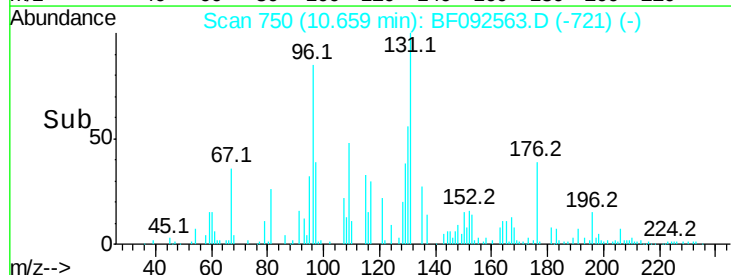
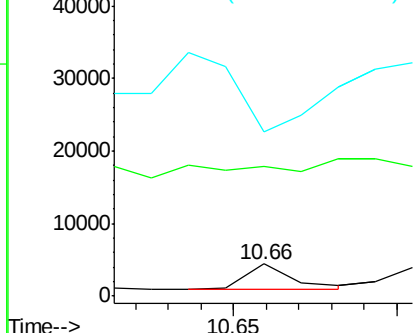


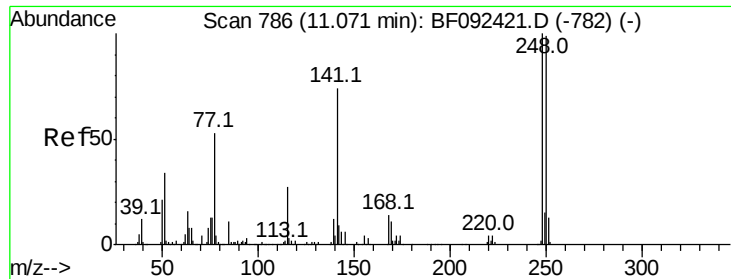
#64
4,6-Dinitro-2-methylphenol
Concen: 6.25 ng
RT: 10.66 min Scan# 750
Delta R.T. 0.04 min
Lab File: BF092563.D
Acq: 27 Jan 2017 8:49

Tgt Ion:198 Resp: 3684
Ion Ratio Lower Upper
198 100
51 409.6 6.7 46.7#
105 517.5 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: 4.89 ng

RT: 10.84 min Scan# 766

Delta R.T. -0.23 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

Instrument :

BNA_F

ClientSampled :

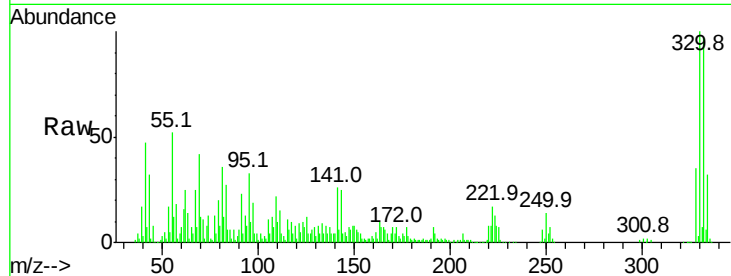
Tot Ion:248 Resp: 23253

Ion Ratio Lower Upper

248 100

250 209.3 76.9 115.3#

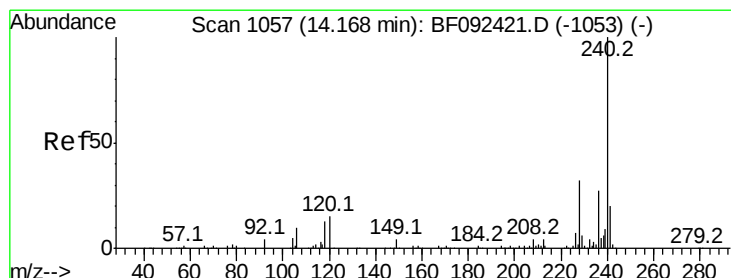
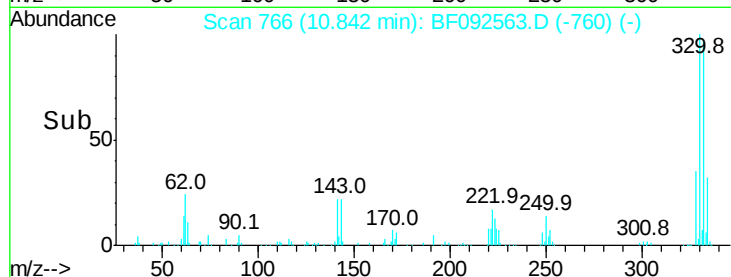
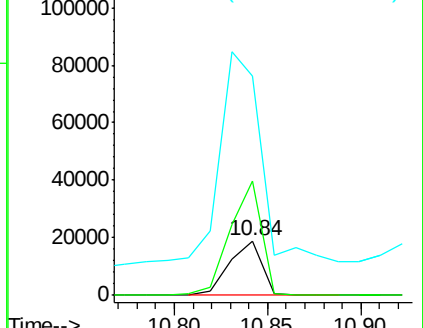
141 400.3 68.2 102.4#



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: 14.17 min Scan# 1057

Delta R.T. -0.00 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

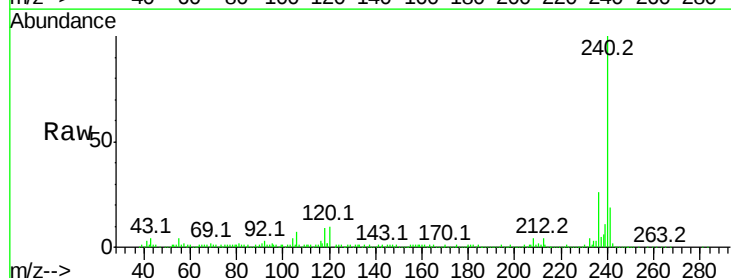
Tgt Ion:240 Resp: 378721

Ion Ratio Lower Upper

240 100

120 10.4 12.9 19.3#

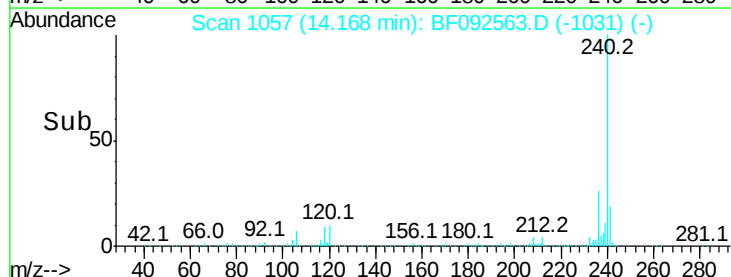
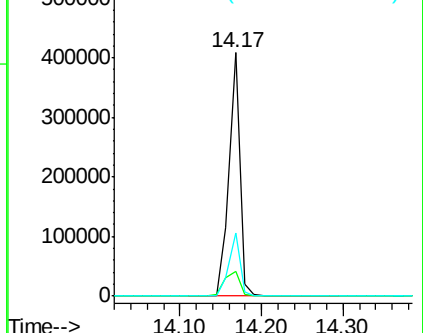
236 25.7 20.9 31.3

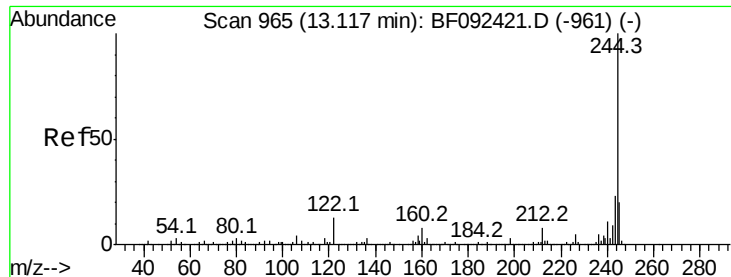


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Terphenyl-d14

Concen: 91.68 ng

RT: 13.12 min Scan# 965

Delta R.T. -0.00 min

Lab File: BF092563.D

Acq: 27 Jan 2017 8:49

Instrument :

BNA_F

ClientSampleId :

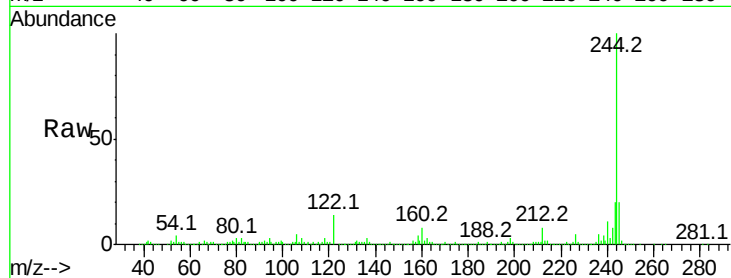
Tot Ion:244 Resp: 1303902

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

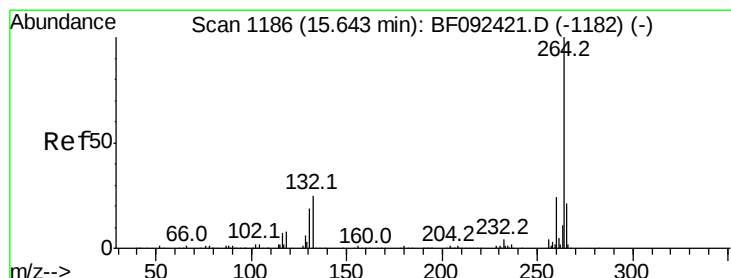
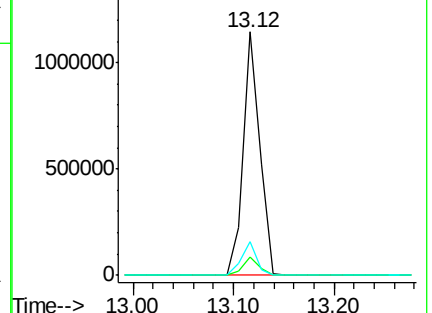
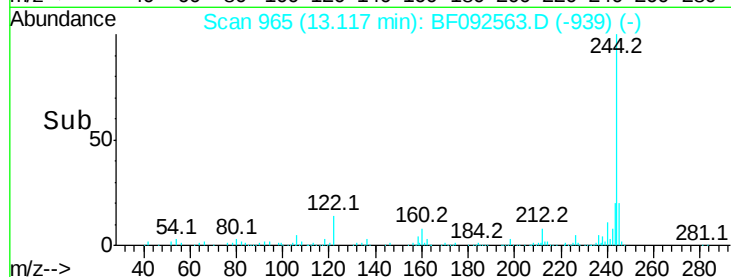
122 14.1 11.4 17.2



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: BF092563.D

Acq: 27 Jan 2017 8:49

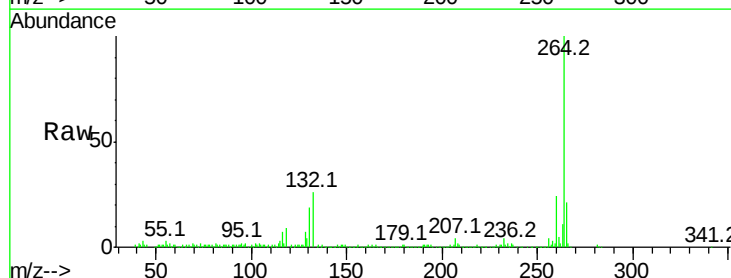
Tgt Ion:264 Resp: 323072

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.2 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

