

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF012617\
 Data File : BF092558.D
 Acq On : 27 Jan 2017 6:32
 Operator : SJ/MA
 Sample : I1364-02
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W-26

Quant Time: Jan 27 07:00:01 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

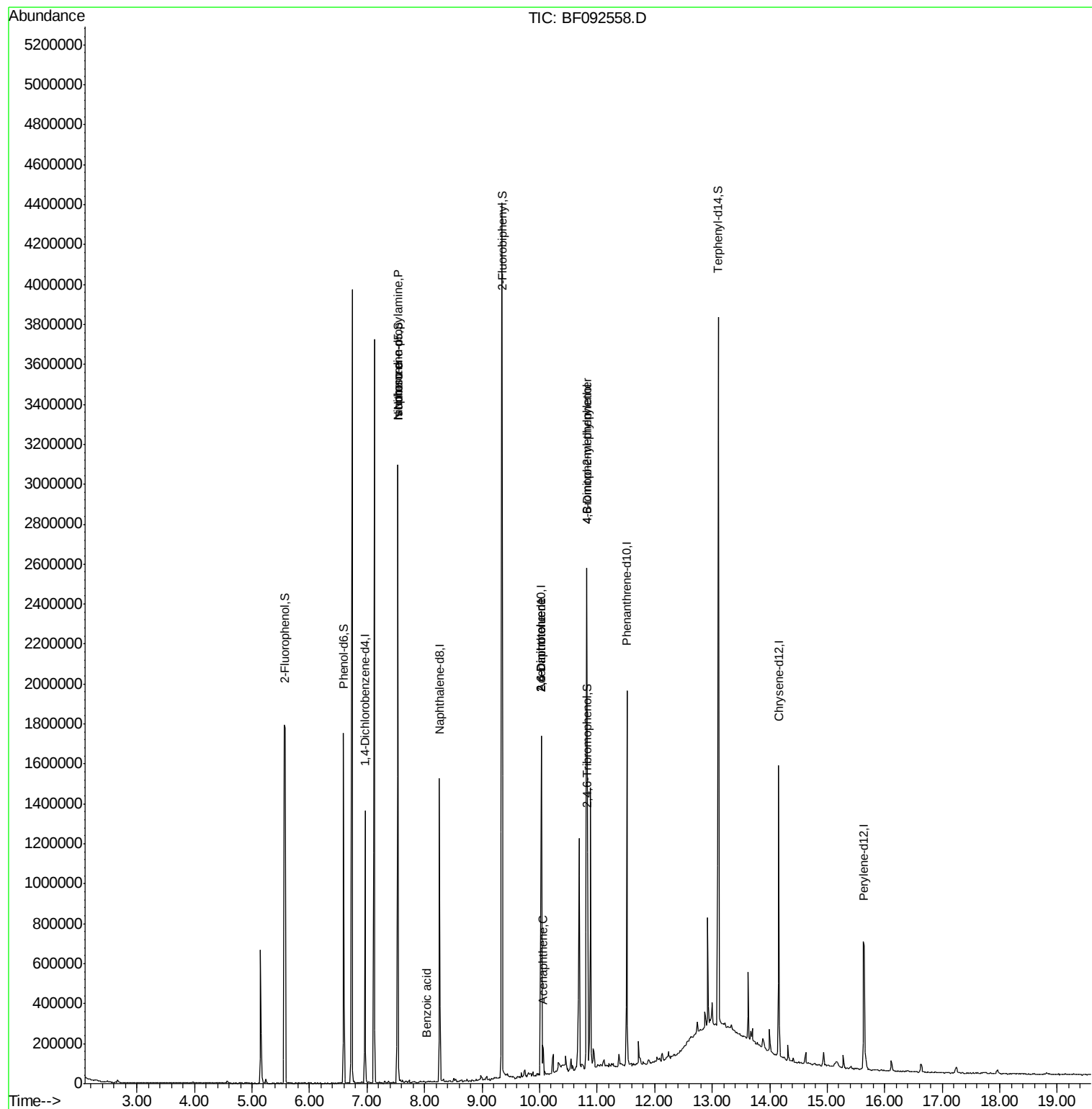
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	180424	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	699271	20.00	ng	-0.01
38) Acenaphthene-d10	10.03	164	411923	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	645149	20.00	ng	-0.01
75) Chrysene-d12	14.16	240	497419	20.00	ng	-0.01
86) Perylene-d12	15.64	264	371203	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	716977	61.83	ng	0.02
7) Phenol-d6	6.59	99	537058	36.36	ng	0.00
23) Nitrobenzene-d5	7.54	82	1121775	87.63	ng	0.00
41) 2,4,6-Tribromophenol	10.83	330	362100	128.99	ng	0.01
44) 2-Fluorobiphenyl	9.34	172	1721225	77.27	ng	-0.01
78) Terphenyl-d14	13.10	244	1728282	92.52	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.54	70	151737	15.08	ng	# 81
25) Isophorone	7.54	82	1078030	42.73	ng	# 65
32) Benzoic acid	8.04	122	264	4.72	ng	# 82
50) 2,6-Dinitrotoluene	10.03	165	52397	9.79	ng	# 31
51) Acenaphthene	10.06	154	47854	2.16	ng	# 95
56) 2,4-Dinitrotoluene	10.03	165	52675	7.41	ng	# 20
64) 4,6-Dinitro-2-methylphenol	10.82	198	635	5.11	ng	# 1
66) 4-Bromophenyl-phenylether	10.82	248	24939	3.83	ng	# 1

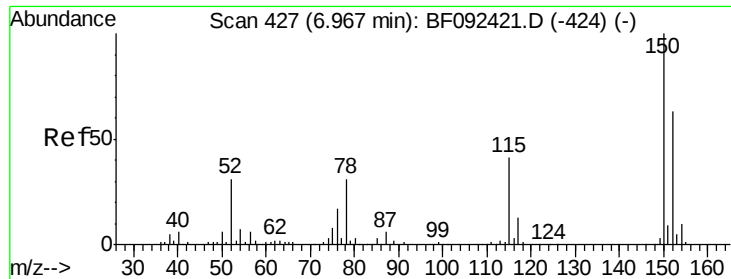
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092558.D

Acq: 27 Jan 2017 6:32

Instrument :

BNA_F

ClientSampled :

W-26

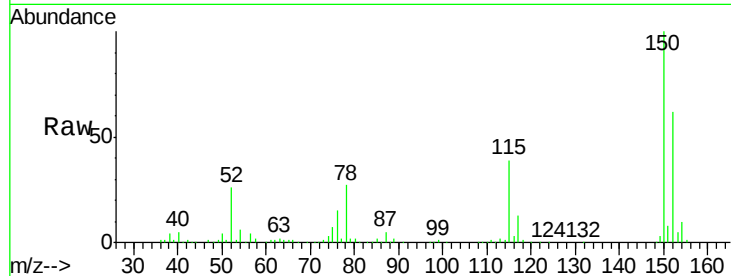
Tgt Ion:152 Resp: 180424

Ion Ratio Lower Upper

152 100

150 161.5 124.9 187.3

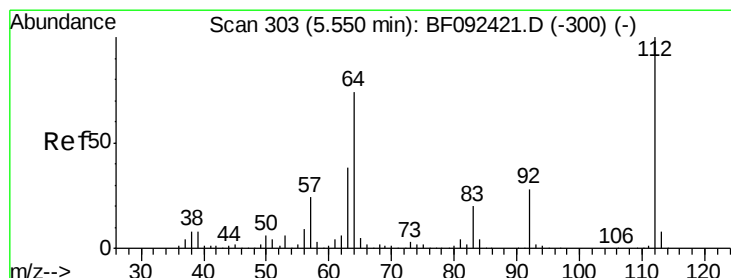
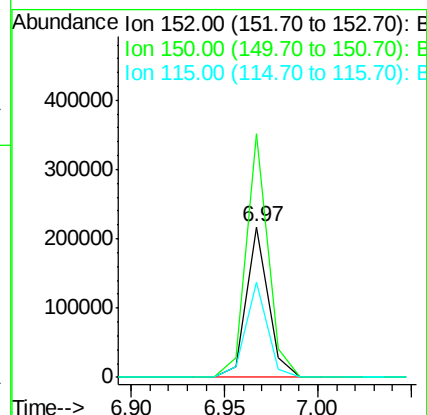
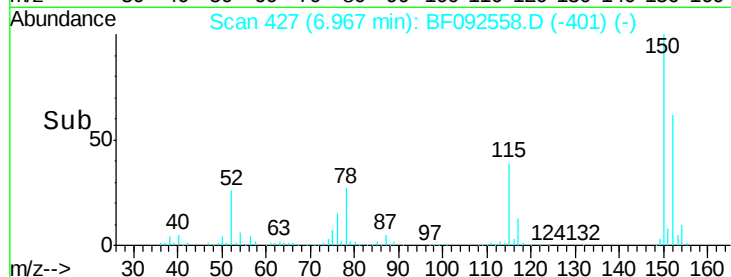
115 63.1 46.0 69.0



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: 61.83 ng

RT: 5.57 min Scan# 305

Delta R.T. 0.02 min

Lab File: BF092558.D

Acq: 27 Jan 2017 6:32

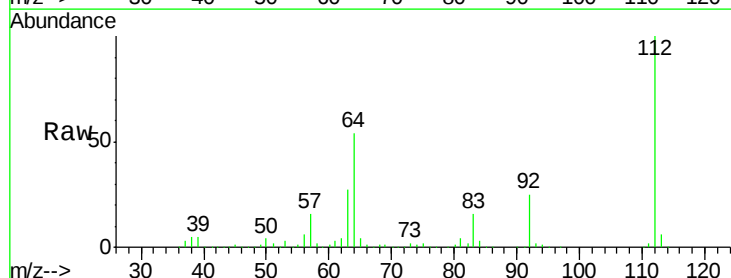
Tgt Ion:112 Resp: 716977

Ion Ratio Lower Upper

112 100

64 54.1 46.1 69.1

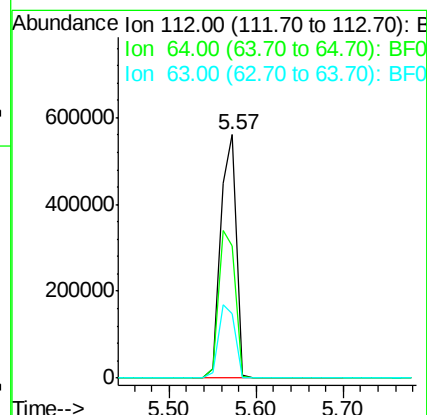
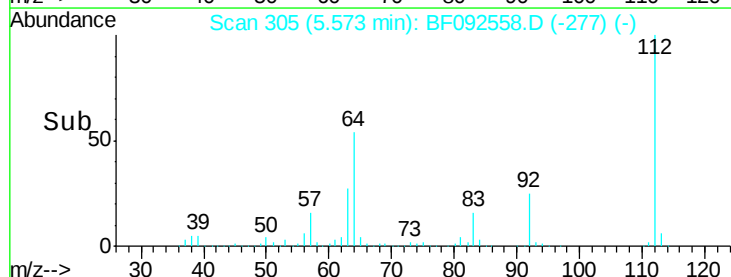
63 26.6 23.8 35.6

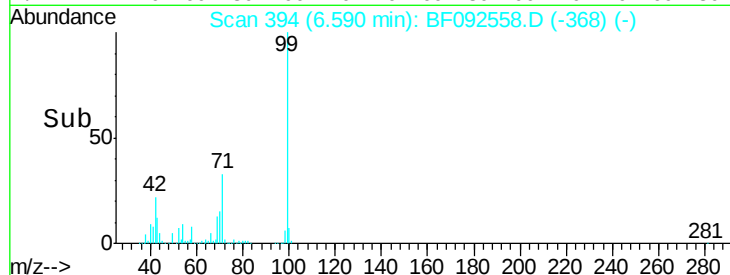
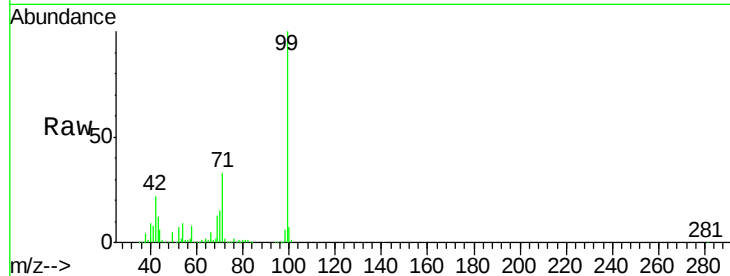
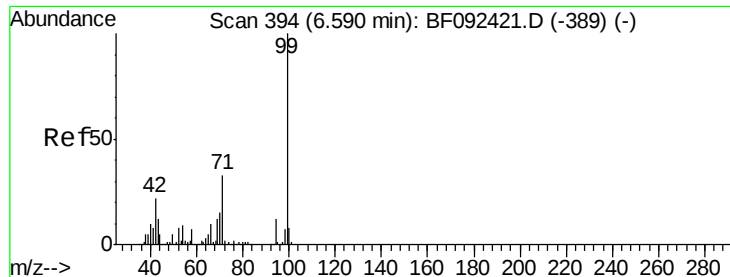


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 36.36 ng

RT: 6.59 min Scan# 394

Delta R.T. -0.00 min

Lab File: BF092558.D

Acq: 27 Jan 2017 6:32

Instrument :

BNA_F

ClientSampleId :

W-26

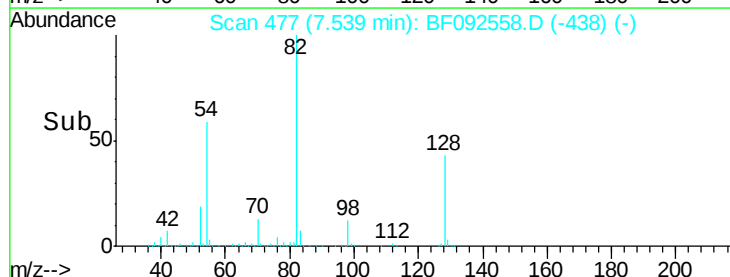
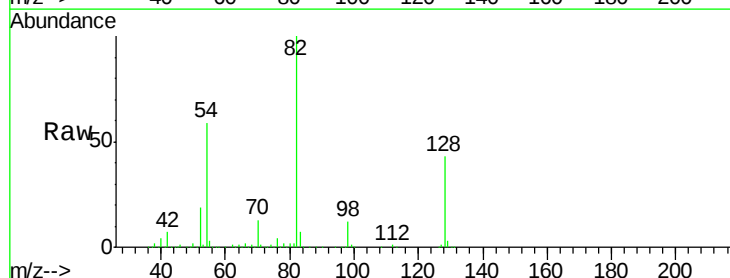
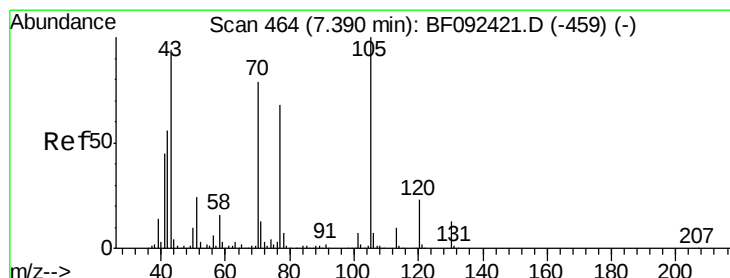
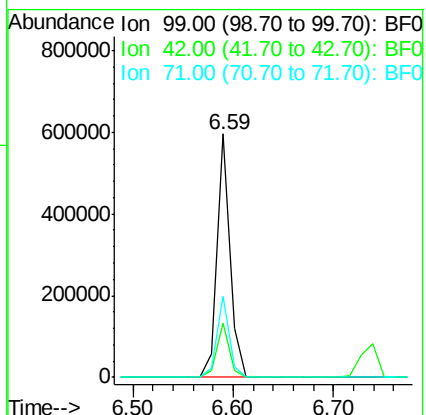
Tgt Ion: 99 Resp: 537058

Ion Ratio Lower Upper

99 100

42 22.4 15.6 23.4

71 33.1 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 15.08 ng

RT: 7.54 min Scan# 477

Delta R.T. 0.15 min

Lab File: BF092558.D

Acq: 27 Jan 2017 6:32

Tgt Ion: 70 Resp: 151737

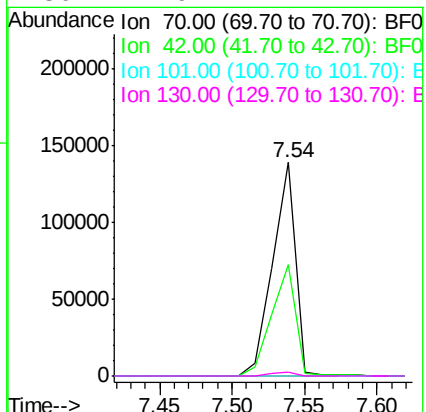
Ion Ratio Lower Upper

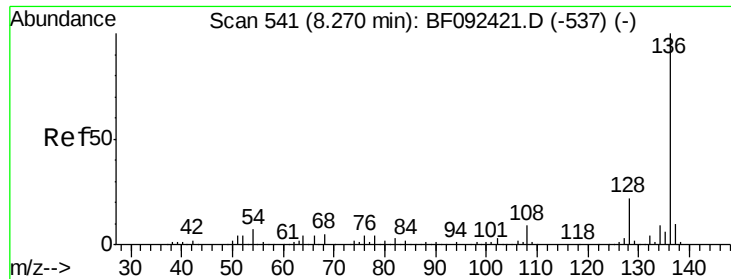
70 100

42 52.1 49.4 74.0

101 0.0 7.4 11.2#

130 1.9 14.2 21.4#

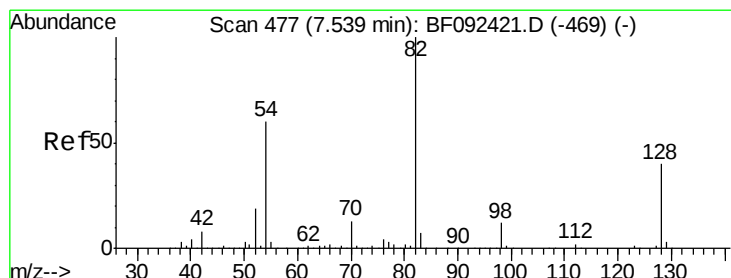
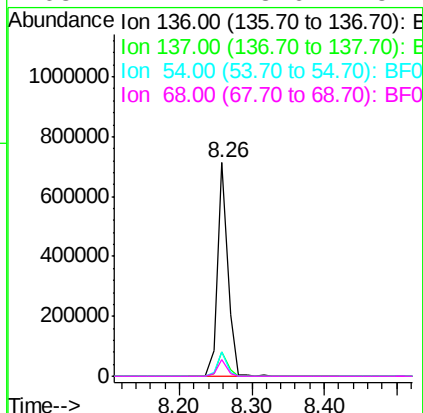
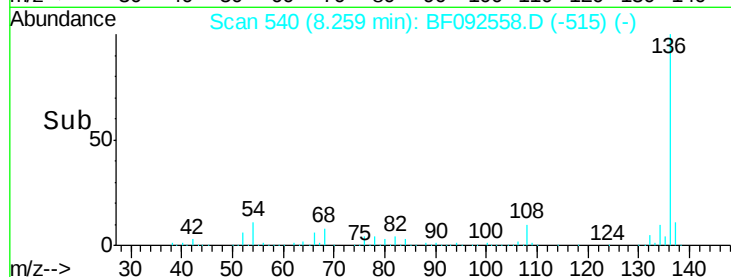
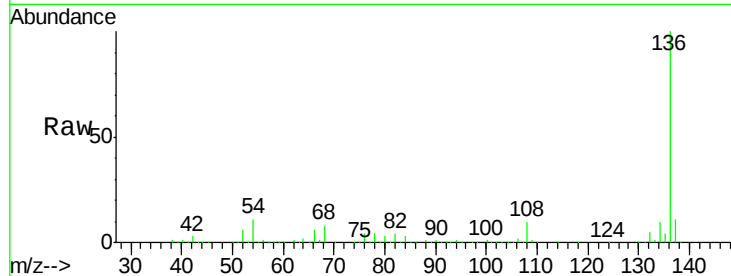




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.26 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

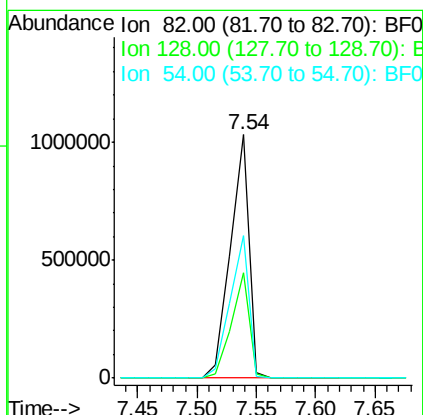
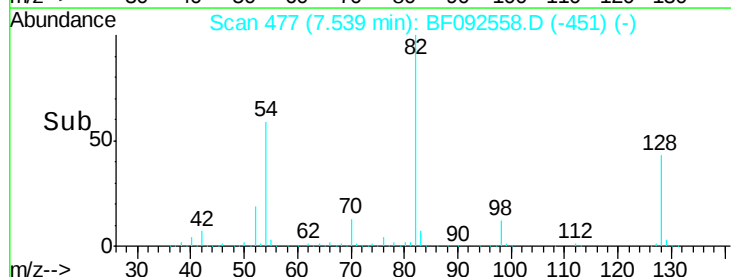
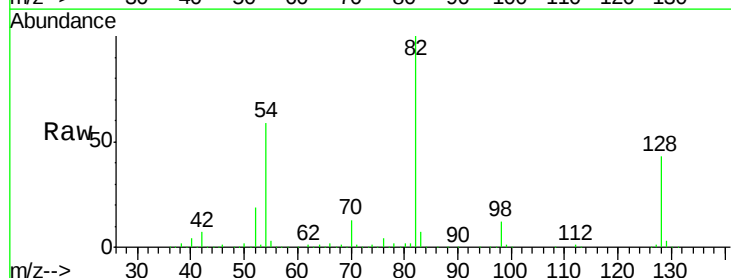
Instrument :
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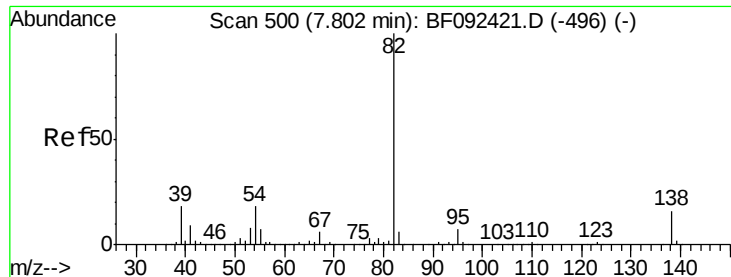
Tgt Ion: 136 Resp: 699271
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 11.4 4.5 6.7#
68 7.7 3.6 5.4#



#23
Nitrobenzene-d5
Concen: 87.63 ng
RT: 7.54 min Scan# 477
Delta R.T. -0.00 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion: 82 Resp: 1121775
Ion Ratio Lower Upper
82 100
128 43.2 34.6 52.0
54 58.8 39.5 59.3





#25

Isophorone

Concen: 42.73 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.26 min

Lab File: BF092558.D

Acq: 27 Jan 2017 6:32

Instrument :

BNA_F

ClientSampleId :

W-26

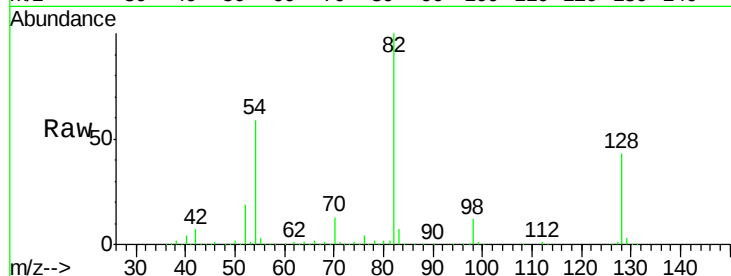
Tgt Ion: 82 Resp: 1078030

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

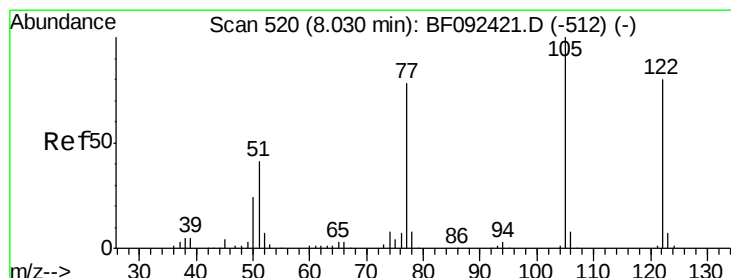
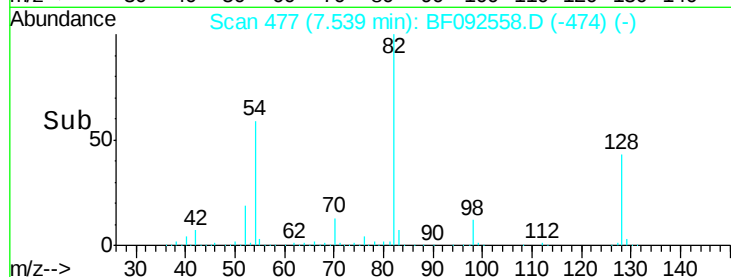
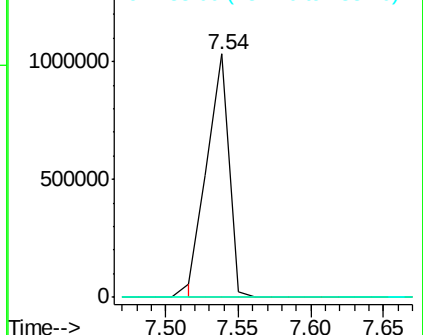
138 0.0 14.6 22.0#



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: 4.72 ng

RT: 8.04 min Scan# 521

Delta R.T. 0.01 min

Lab File: BF092558.D

Acq: 27 Jan 2017 6:32

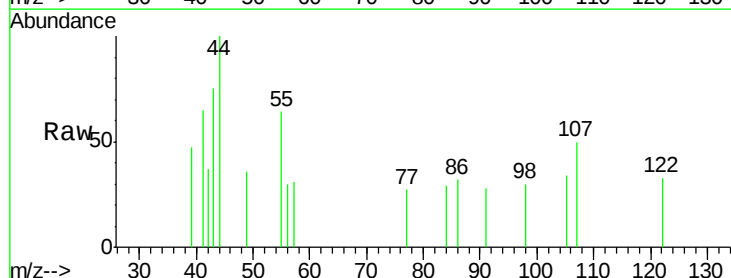
Tgt Ion: 122 Resp: 264

Ion Ratio Lower Upper

122 100

105 103.1 107.2 147.2#

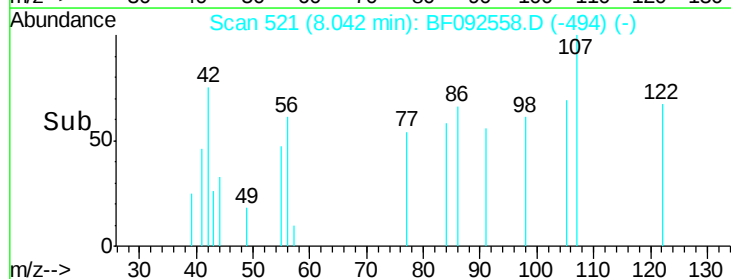
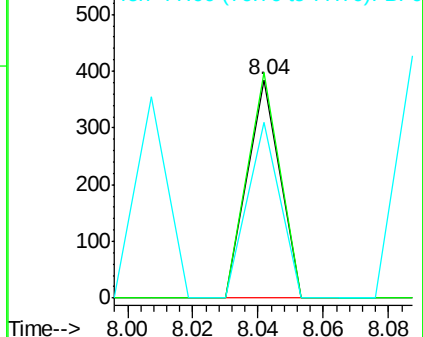
77 80.5 74.5 114.5

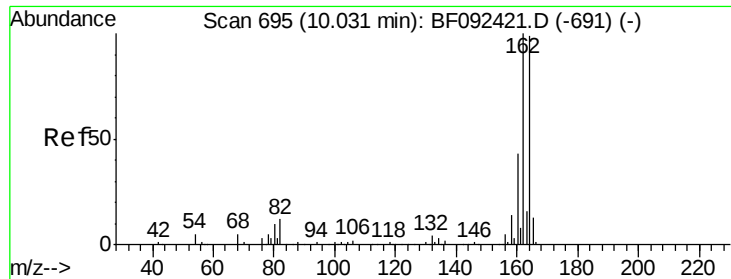


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

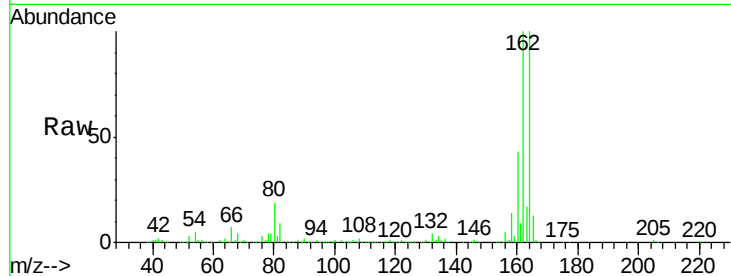




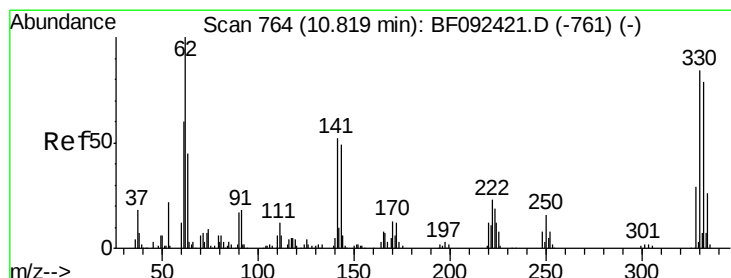
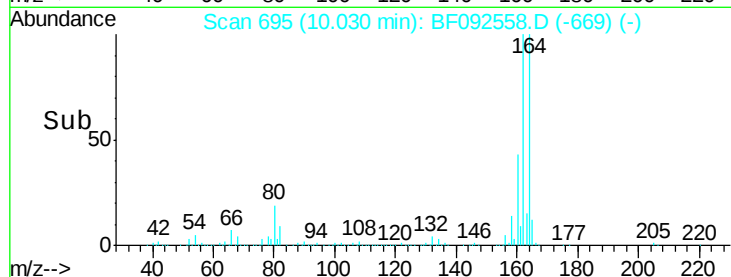
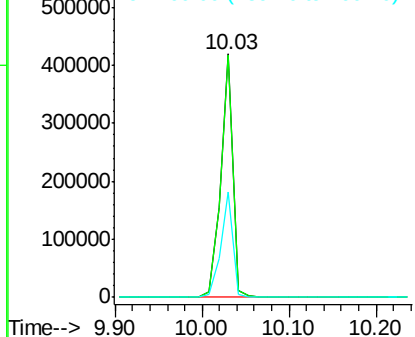
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.03 min Scan# 695
Delta R.T. -0.00 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:164 Resp: 411923
Ion Ratio Lower Upper
164 100
162 99.8 80.2 120.2
160 43.1 36.9 55.3

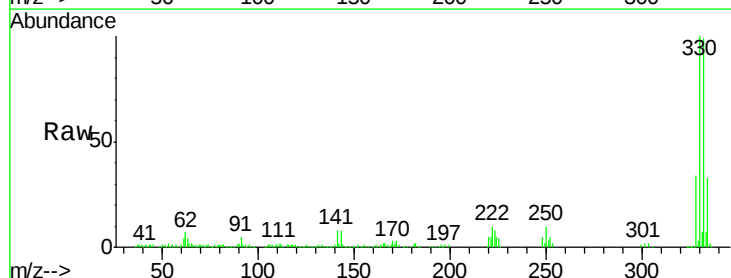


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

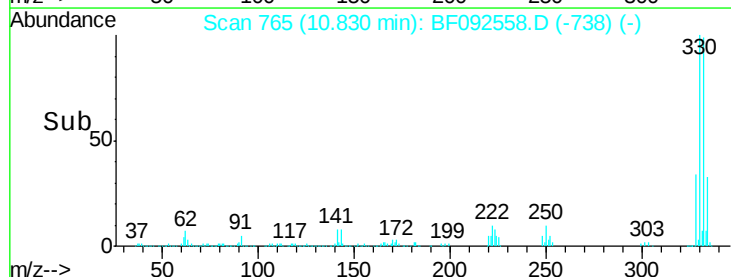
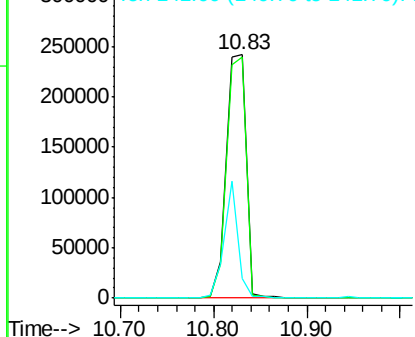


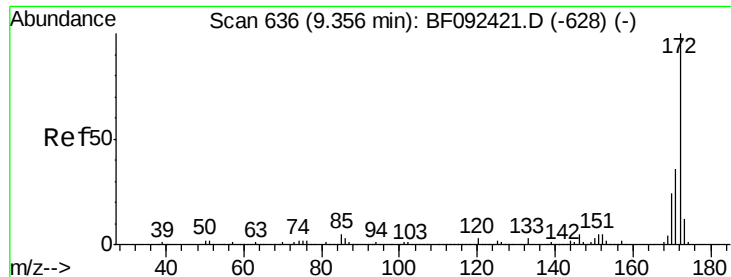
#41
2,4,6-Tribromophenol
Concen: 128.99 ng
RT: 10.83 min Scan# 765
Delta R.T. 0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:330 Resp: 362100
Ion Ratio Lower Upper
330 100
332 97.5 77.4 116.2
141 33.3 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

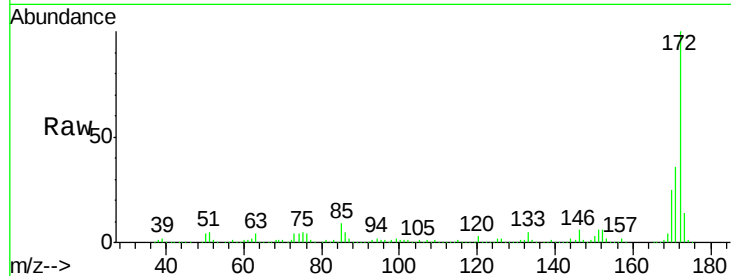




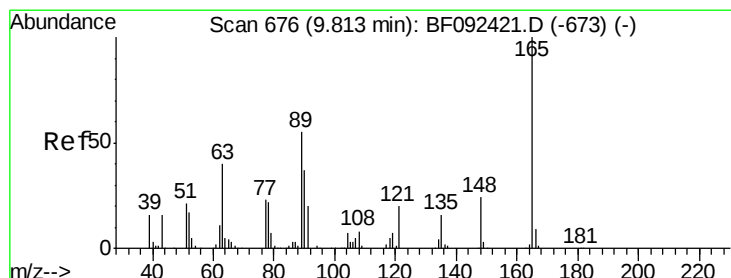
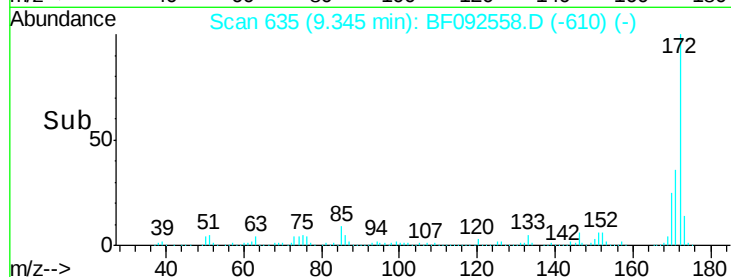
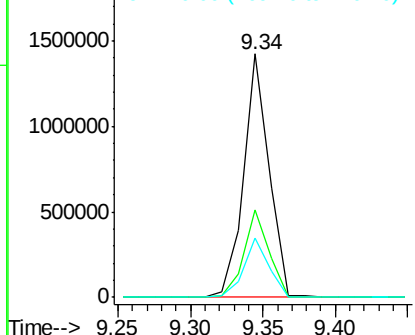
#44
 2-Fluorobiphenyl
 Concen: 77.27 ng
 RT: 9.34 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF092558.D
 Acq: 27 Jan 2017 6:32

Instrument :
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 ClientSampleId :
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Tgt Ion:172 Resp: 1721225
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 24.6 20.2 30.4

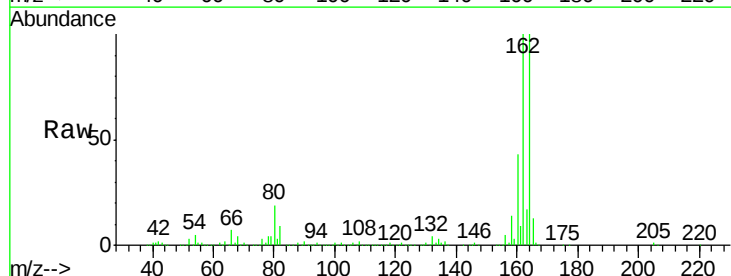


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

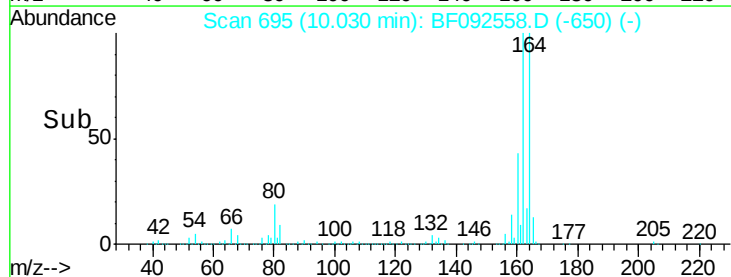
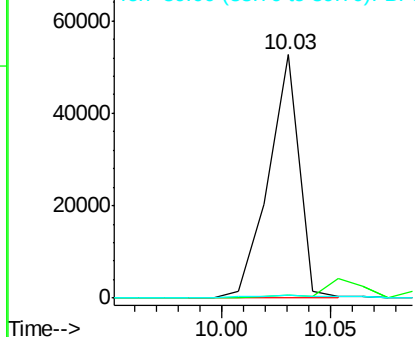


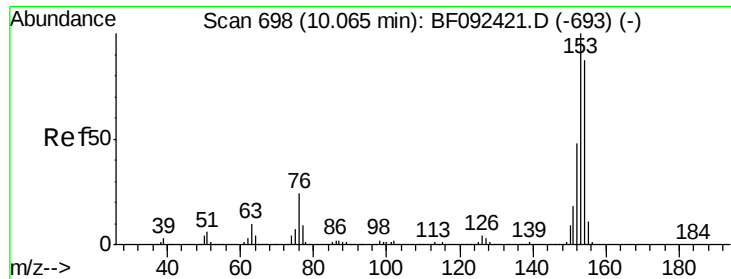
#50
 2,6-Dinitrotoluene
 Concen: 9.79 ng
 RT: 10.03 min Scan# 695
 Delta R.T. 0.22 min
 Lab File: BF092558.D
 Acq: 27 Jan 2017 6:32

Tgt Ion:165 Resp: 52397
 Ion Ratio Lower Upper
 165 100
 63 1.3 36.2 54.4#
 89 1.2 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





#51

Acenaphthene

Concen: 2.16 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.00 min

Lab File: BF092558.D

Acq: 27 Jan 2017 6:32

Instrument :

BNA_F

ClientSampled :

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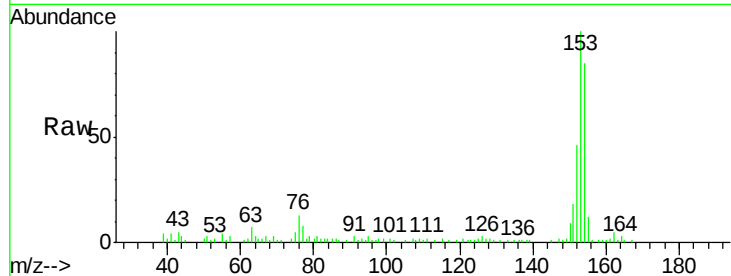
Tgt Ion:154 Resp: 47854

Ion Ratio Lower Upper

154 100

153 117.1 88.6 133.0

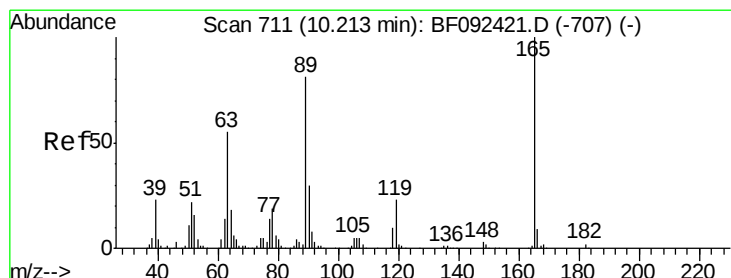
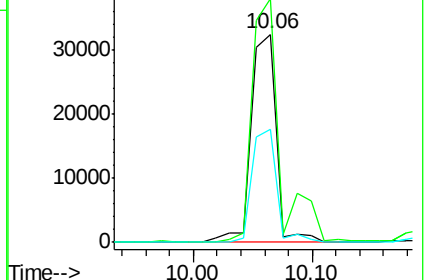
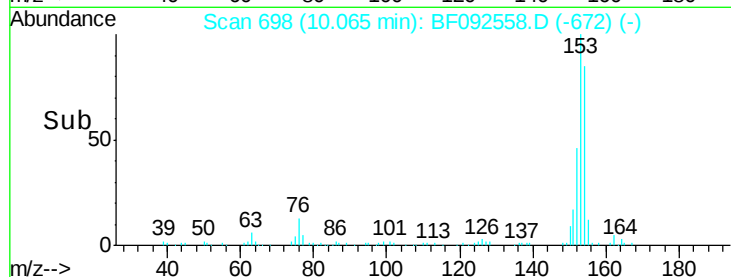
152 54.4 41.6 62.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

2,4-Dinitrotoluene

Concen: 7.41 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.18 min

Lab File: BF092558.D

Acq: 27 Jan 2017 6:32

Tgt Ion:165 Resp: 52675

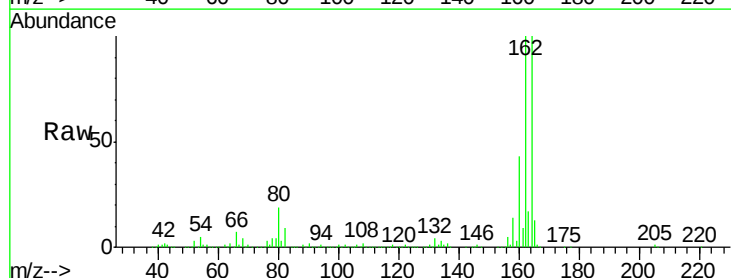
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.2 62.5 93.7#

182 0.0 1.8 2.8#

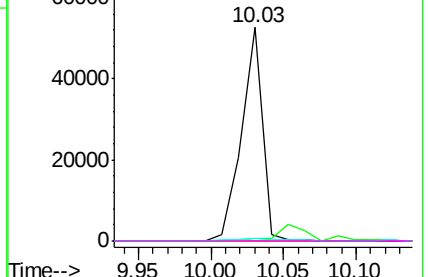
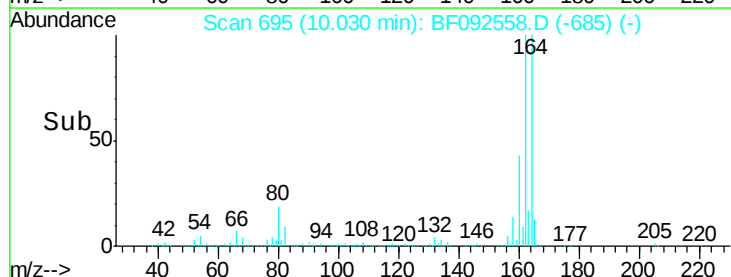


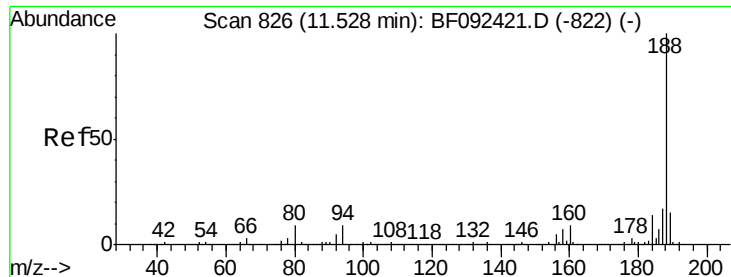
Abundance Ion 165.00 (164.70 to 165.70): E

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

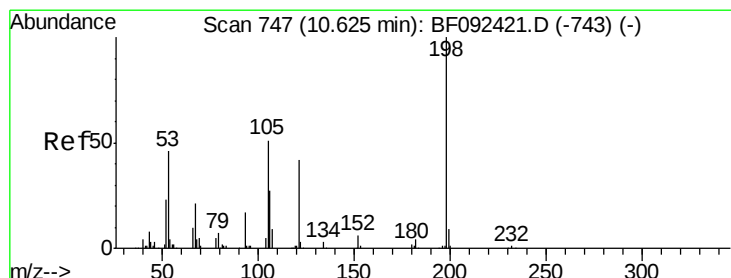
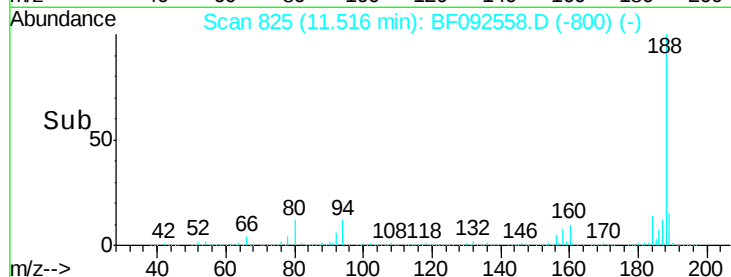
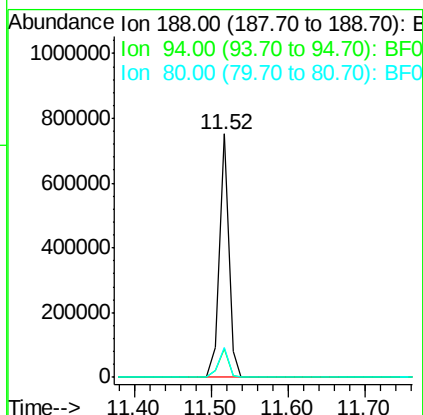
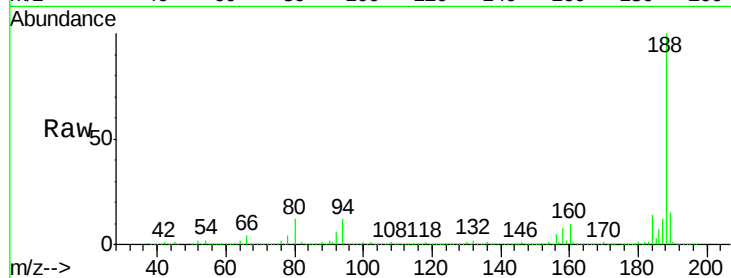




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.52 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

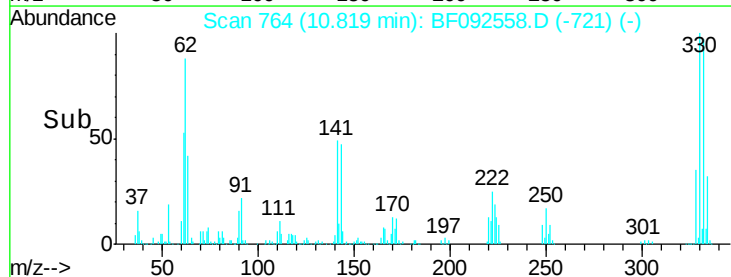
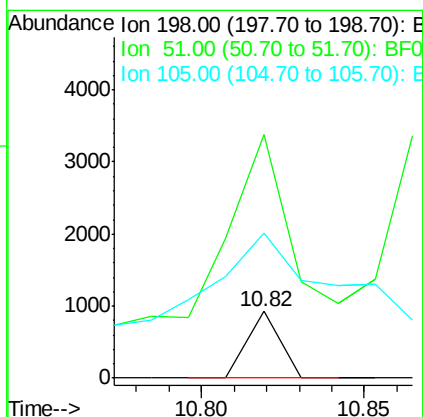
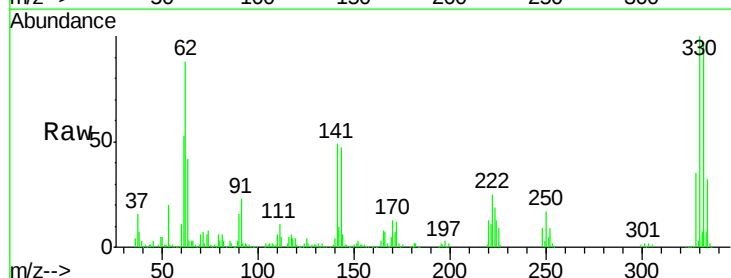
Instrument :
BNA_F
ClientSampleId :
W-26

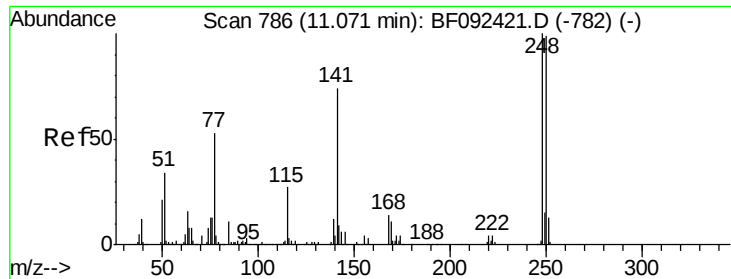
Tgt Ion:188 Resp: 645149
Ion Ratio Lower Upper
188 100
94 11.6 10.0 15.0
80 12.3 11.2 16.8



#64
4,6-Dinitro-2-methylphenol
Concen: 5.11 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.20 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:198 Resp: 635
Ion Ratio Lower Upper
198 100
51 364.9 6.7 46.7#
105 217.2 16.6 56.6#

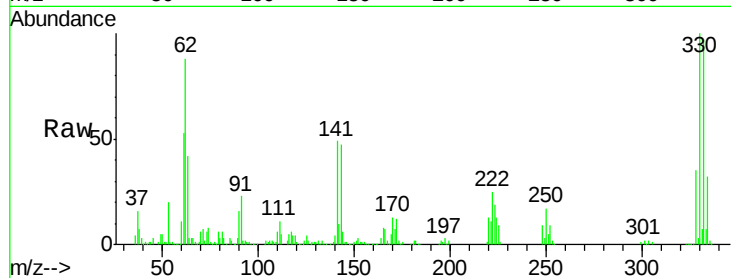




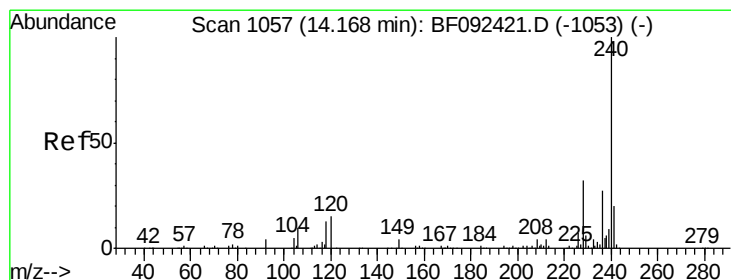
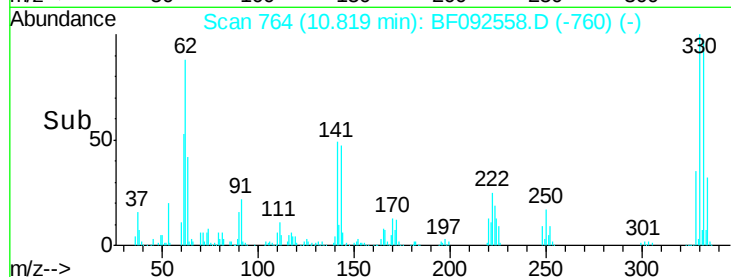
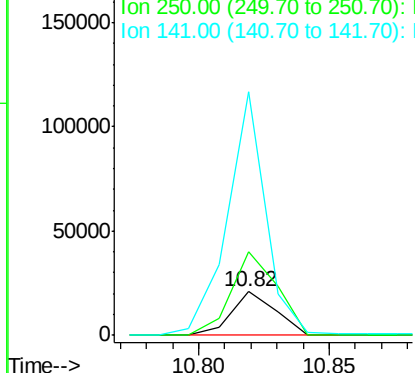
#66
4-Bromophenyl-phenylether
Concen: 3.83 ng
RT: 10.82 min Scan# 764
Delta R.T. -0.25 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Instrument :
BNA_F
ClientSampleId :
W-26

Tgt Ion:248 Resp: 24939
Ion Ratio Lower Upper
248 100
250 192.0 76.9 115.3#
141 555.2 68.2 102.4#

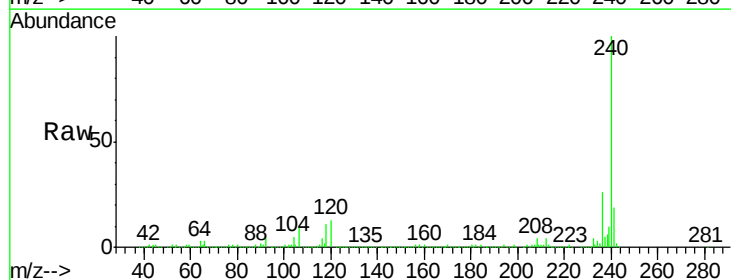


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

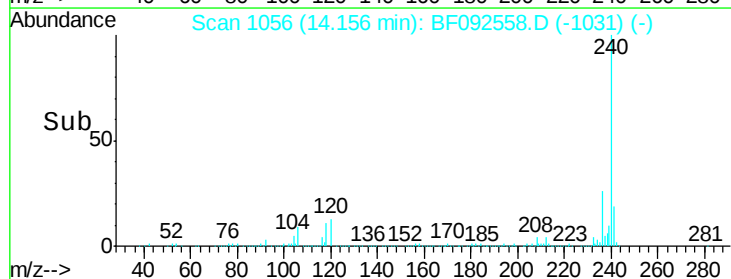
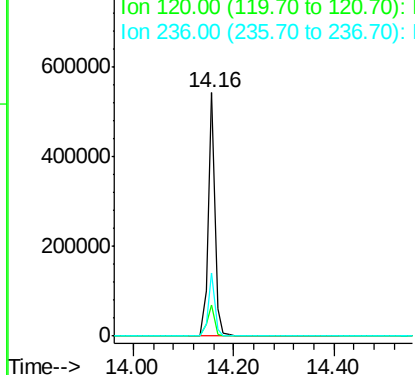


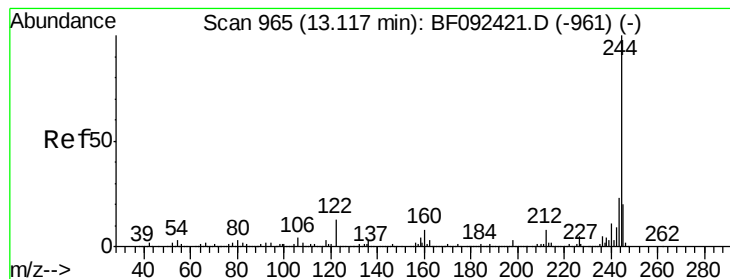
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.16 min Scan# 1056
Delta R.T. -0.01 min
Lab File: BF092558.D
Acq: 27 Jan 2017 6:32

Tgt Ion:240 Resp: 497419
Ion Ratio Lower Upper
240 100
120 12.5 12.9 19.3#
236 26.0 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: 92.52 ng

RT: 13.10 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF092558.D

Acq: 27 Jan 2017 6:32

Instrument :

BNA_F

ClientSampleId :

W-26

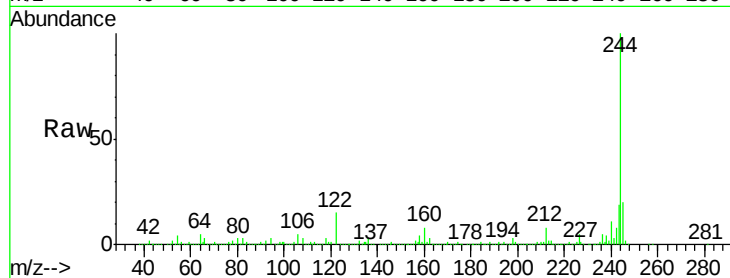
Tgt Ion:244 Resp: 1728282

Ion Ratio Lower Upper

244 100

212 7.6 6.2 9.2

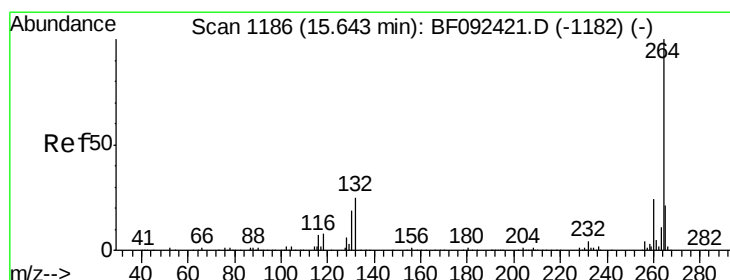
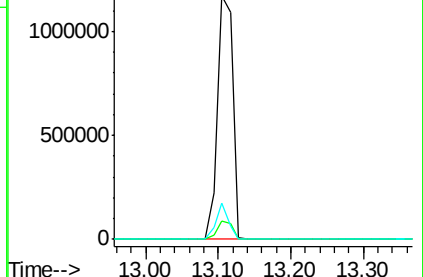
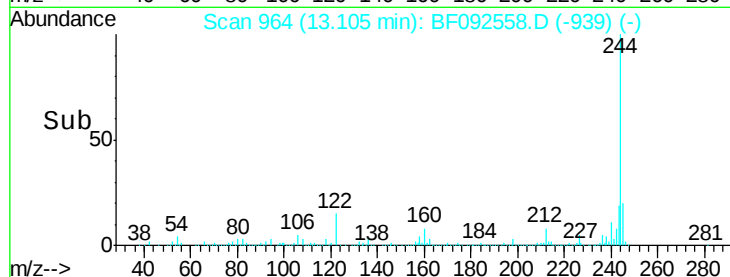
122 14.8 11.4 17.2



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: BF092558.D

Acq: 27 Jan 2017 6:32

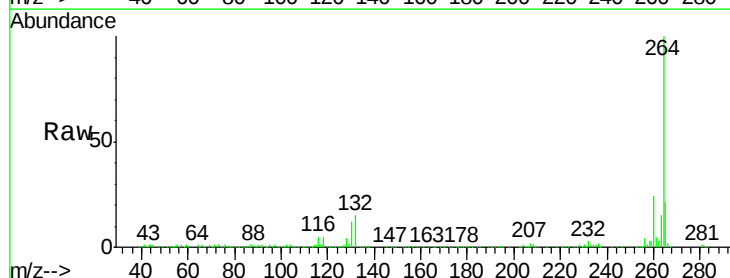
Tgt Ion:264 Resp: 371203

Ion Ratio Lower Upper

264 100

260 24.2 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

