

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030317\
 Data File : BF093398.D
 Acq On : 4 Mar 2017 11:11
 Operator : SJ/MA
 Sample : I2057-20 5X
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 18B-23

Quant Time: Mar 05 23:43:59 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

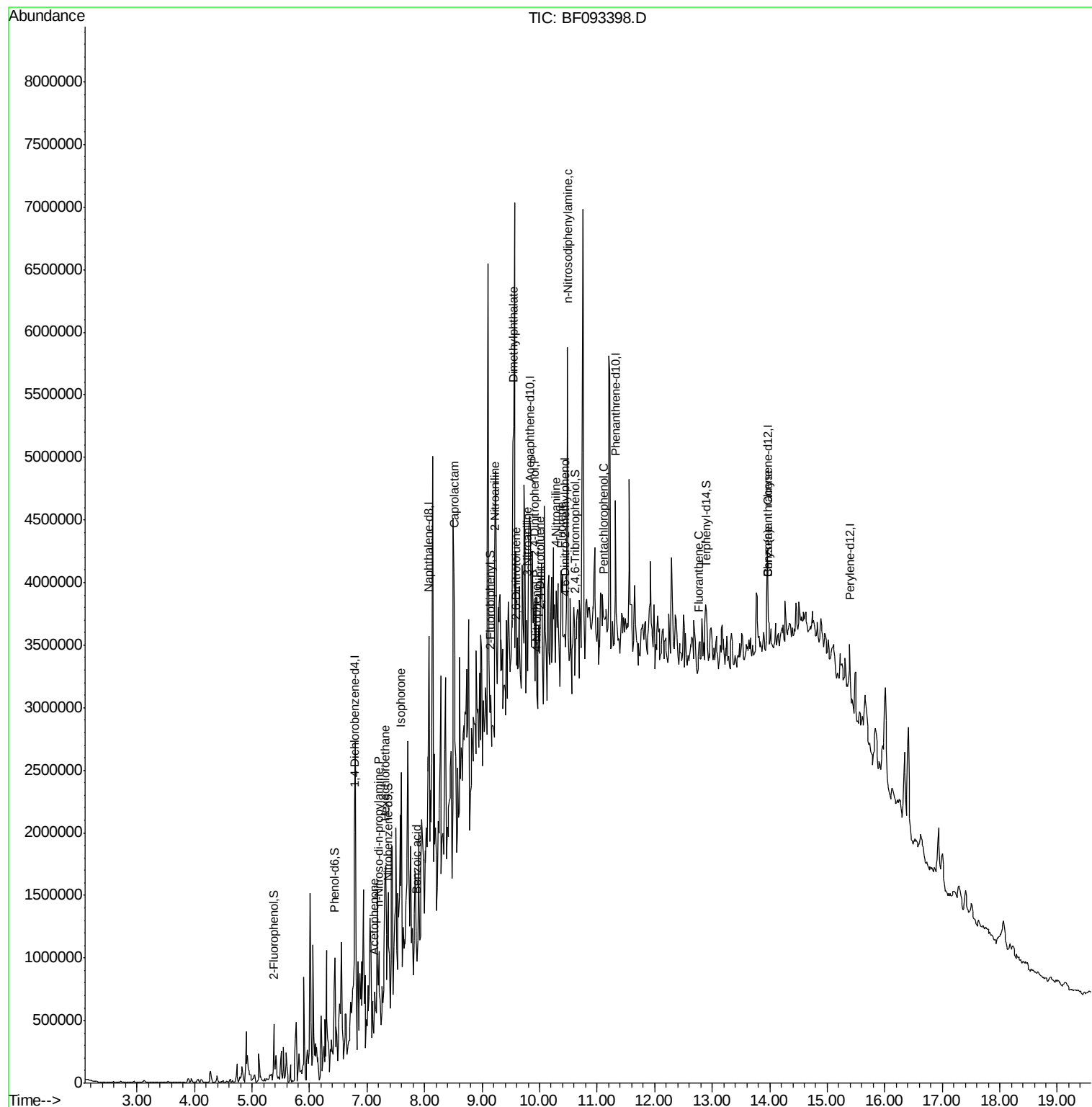
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	203611	20.00	ng	-0.07
21) Naphthalene-d8	8.08	136	711949	20.00	ng	-0.07
38) Acenaphthene-d10	9.84	164	273295	20.00	ng	-0.06
63) Phenanthrene-d10	11.32	188	389343	20.00	ng	-0.06
75) Chrysene-d12	13.96	240	344494	20.00	ng	-0.06
86) Perylene-d12	15.39	264	291398	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	169740	14.30	ng	-0.07
7) Phenol-d6	6.44	99	223058	14.61	ng	-0.05
23) Nitrobenzene-d5	7.36	82	162687	12.73	ng	-0.07
41) 2,4,6-Tribromophenol	10.62	330	23895	12.09	ng	-0.06
44) 2-Fluorobiphenyl	9.15	172	213167	14.13	ng	-0.07
78) Terphenyl-d14	12.90	244	115635	7.89	ng	-0.07
Target Compounds						Qvalue
18) Hexachloroethane	7.32	117	27402	5.17	ng	# 1
19) n-Nitroso-di-n-propylamine	7.21	70	40149	4.13	ng	# 66
22) Acetophenone	7.13	105	73537	4.52	ng	# 66
25) Isophorone	7.60	82	103226	4.33	ng	# 1
32) Benzoic acid	7.86	122	12533	8.88	ng	# 31
35) Caprolactam	8.51	113	101090	31.44	ng	# 1
47) 2-Nitroaniline	9.22	65	13424	2.58	ng	# 97
49) Dimethylphthalate	9.55	163	41544	2.26	ng	# 74
50) 2,6-Dinitrotoluene	9.60	165	18489	4.65	ng	# 64
52) 3-Nitroaniline	9.78	138	24075	5.29	ng	# 30
53) 2,4-Dinitrophenol	9.90	184	3546	6.38	ng	# 1
55) 4-Nitrophenol	9.95	139	10967	3.35	ng	# 1
56) 2,4-Dinitrotoluene	10.01	165	25672	4.85	ng	# 55
57) Fluorene	10.38	166	78610	4.78	ng	# 55
61) 4-Nitroaniline	10.28	138	24829	5.33	ng	# 89
64) 4,6-Dinitro-2-methylphenol	10.44	198	2437	3.64	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	137343	11.04	ng	# 47
69) Pentachlorophenol	11.12	266	1985	8.07	ng	# 46
74) Fluoranthene	12.76	202	47864	2.08	ng	# 78
80) Benzo(a)anthracene	13.97	228	66660	3.16	ng	# 32
82) Chrysene	13.97	228	66660	3.38	ng	# 39

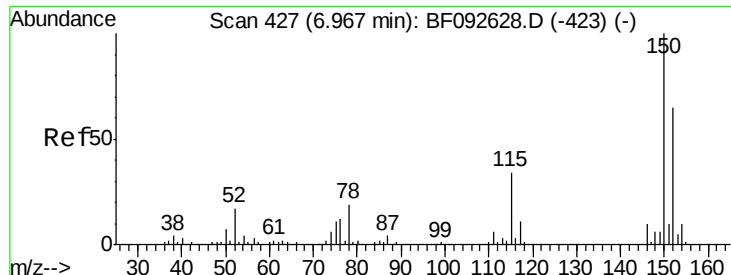
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.07 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

Instrument :

BNA_F

ClientSampled :

18B-23

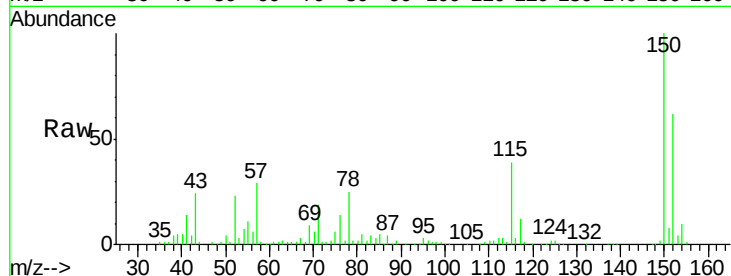
Tgt Ion:152 Resp: 203611

Ion Ratio Lower Upper

152 100

150 160.8 124.9 187.3

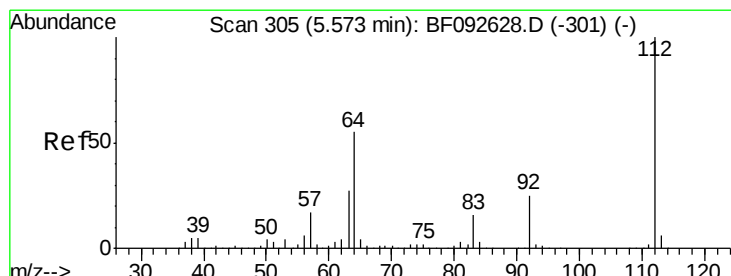
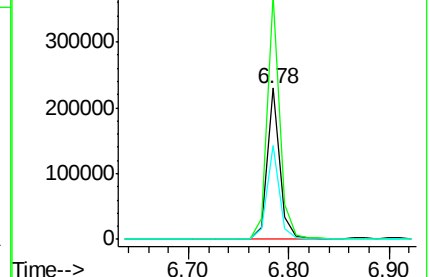
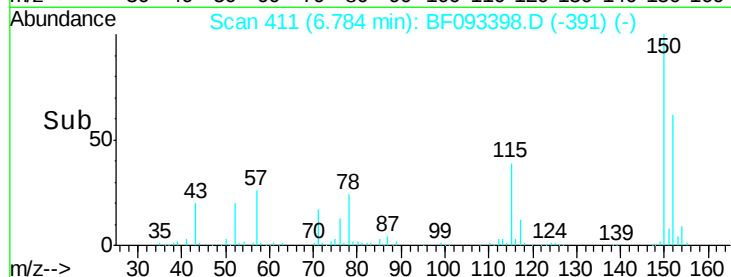
115 62.2 46.0 69.0



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: 14.30 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.07 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

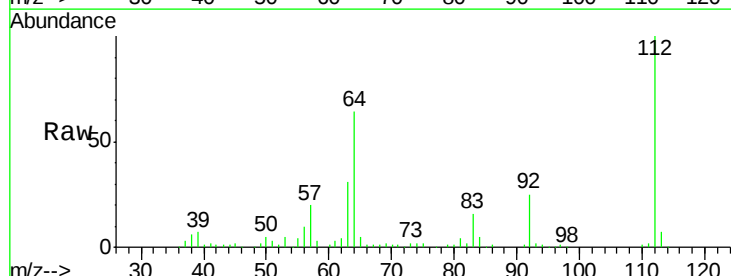
Tgt Ion:112 Resp: 169740

Ion Ratio Lower Upper

112 100

64 63.7 46.1 69.1

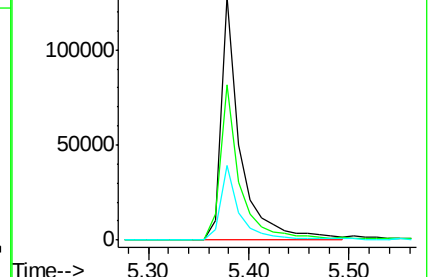
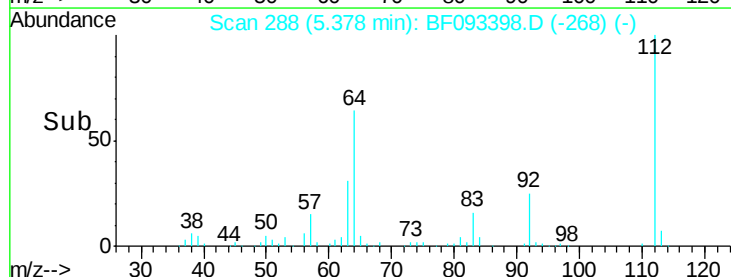
63 30.9 23.8 35.6

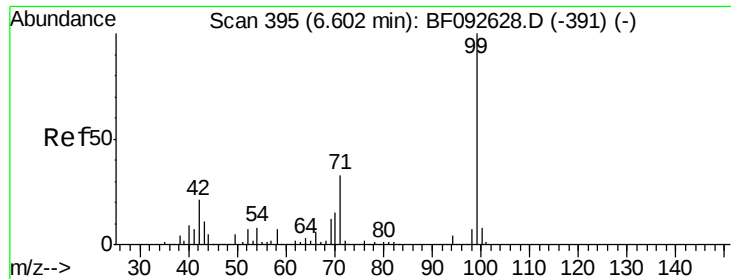


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 14.61 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.05 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

Instrument :

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ClientSampleId :

18B-23

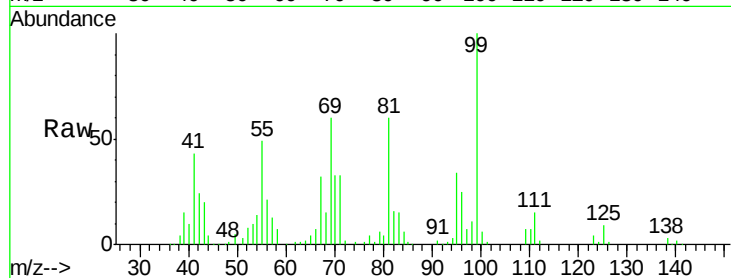
Tgt Ion: 99 Resp: 223058

Ion Ratio Lower Upper

99 100

42 23.6 15.6 23.4#

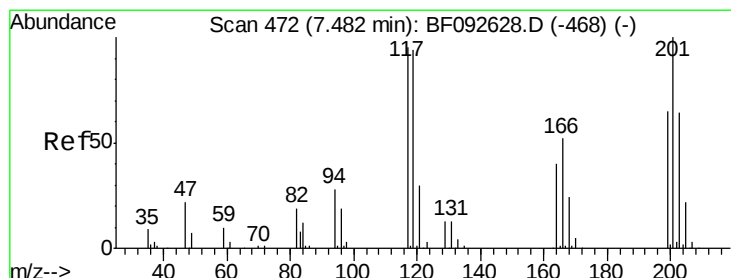
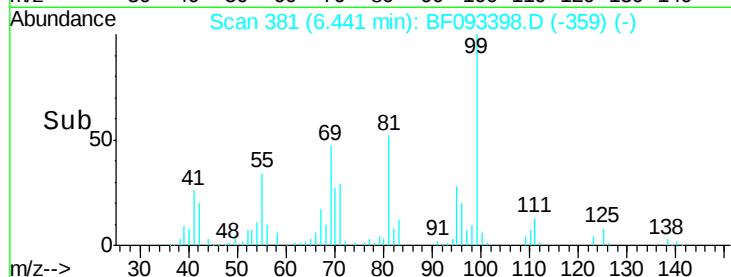
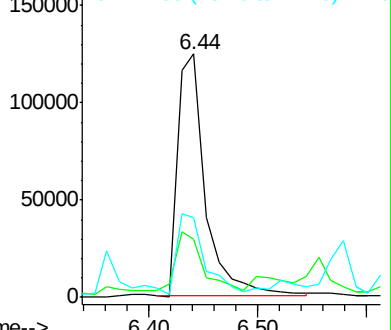
71 32.9 27.5 41.3



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



#18

Hexachloroethane

Concen: 5.17 ng

RT: 7.32 min Scan# 458

Delta R.T. -0.05 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

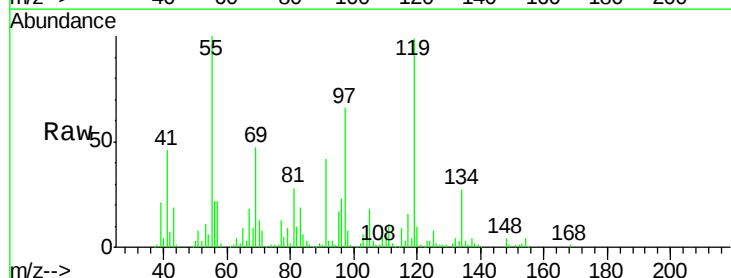
Tgt Ion: 117 Resp: 27402

Ion Ratio Lower Upper

117 100

119 618.2 78.1 117.1#

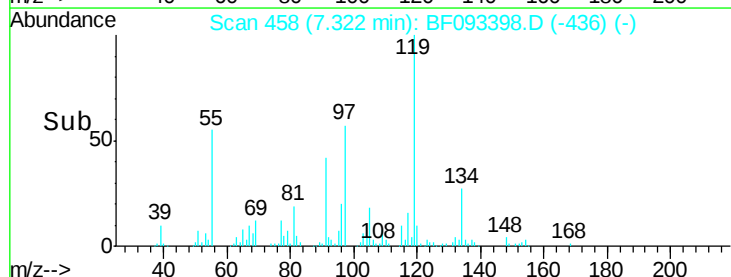
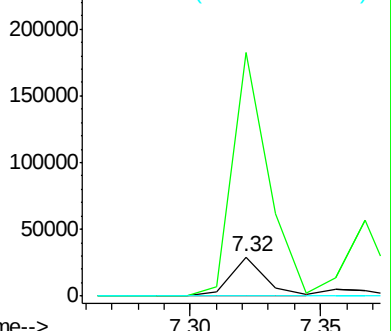
201 0.0 78.6 117.8#

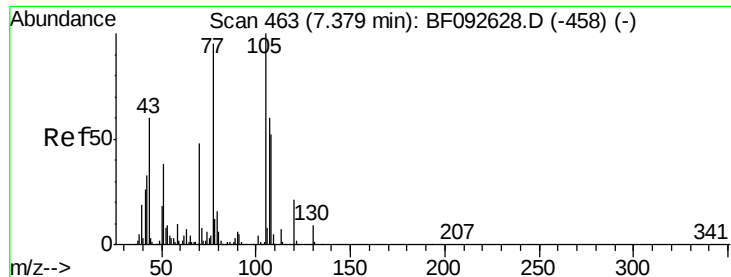


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

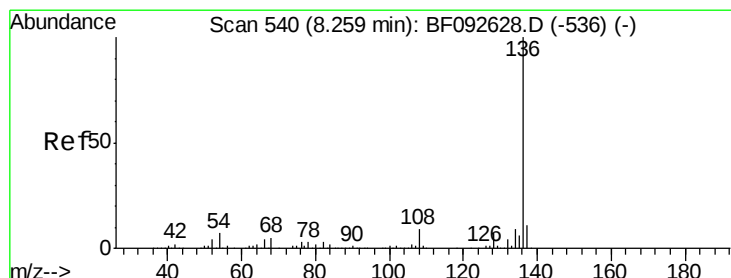
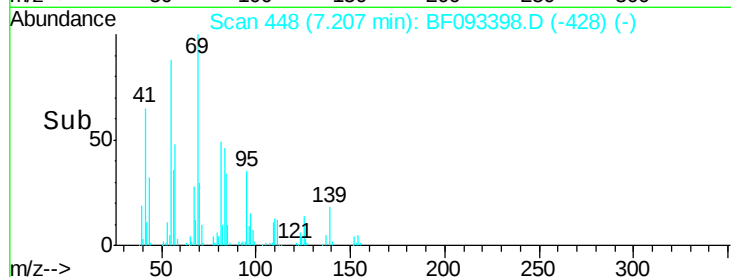
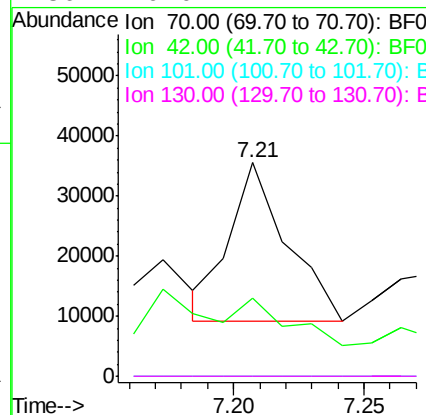
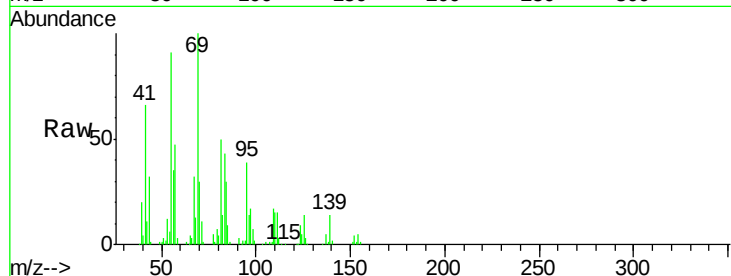




#19
n-Nitroso-di-n-propylamine
Concen: 4.13 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.07 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

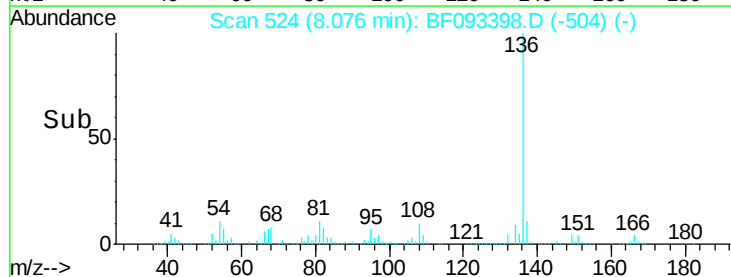
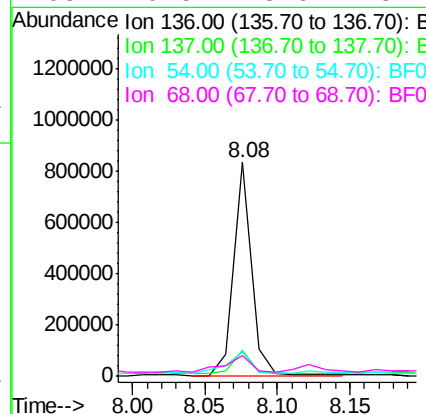
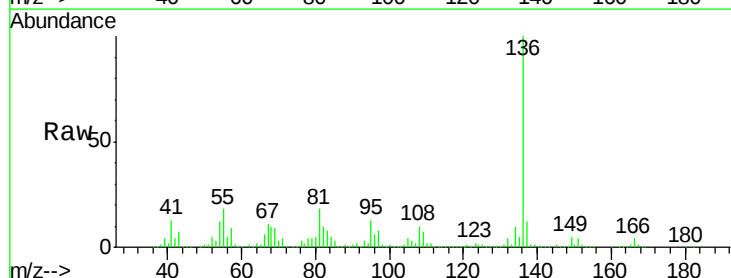
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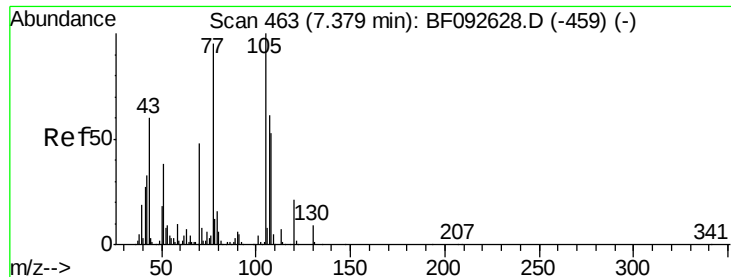
Tgt Ion: 70 Resp: 40149
Ion Ratio Lower Upper
70 100
42 36.4 49.4 74.0#
101 0.0 7.4 11.2#
130 0.0 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.07 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

Tgt Ion: 136 Resp: 711949
Ion Ratio Lower Upper
136 100
137 12.1 8.4 12.6
54 11.6 4.5 6.7#
68 9.5 3.6 5.4#

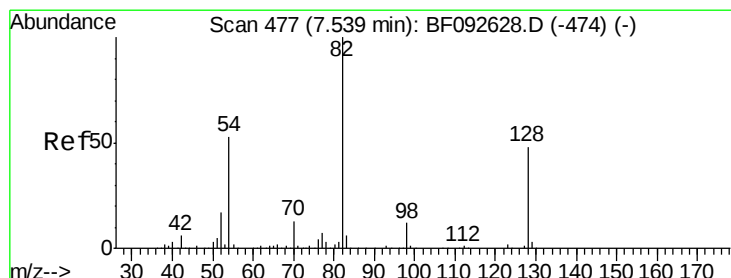
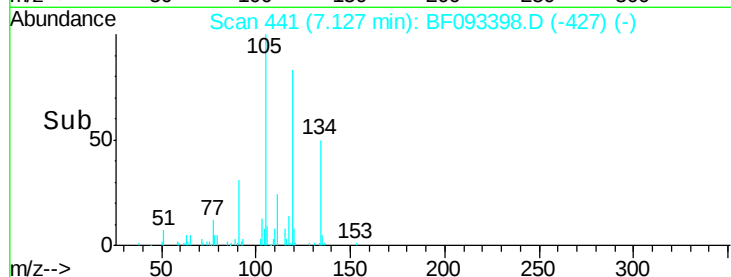
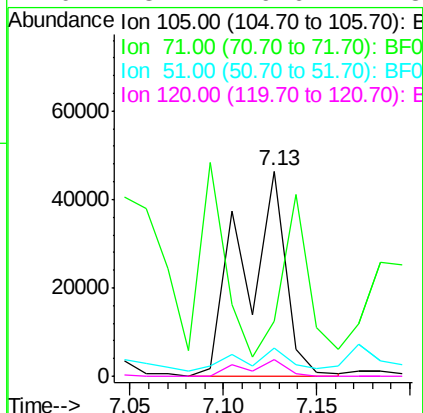
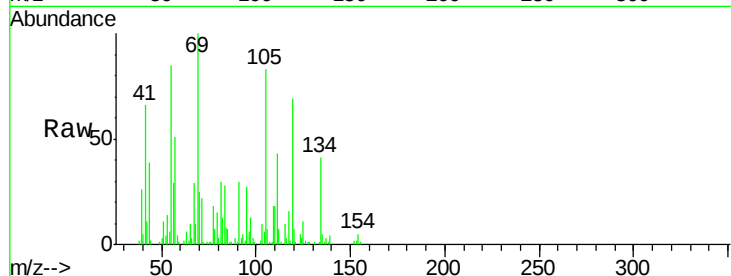




#22
Acetophenone
Concen: 4.52 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.14 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

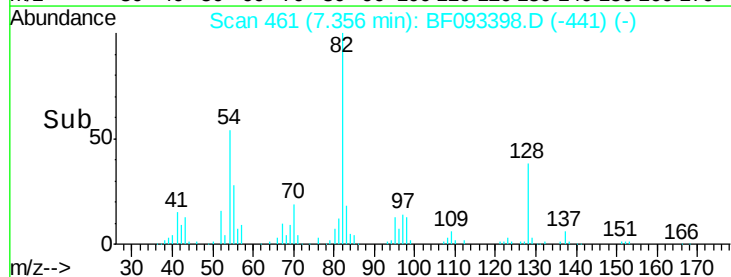
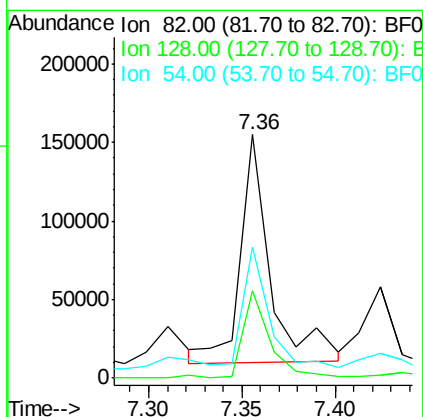
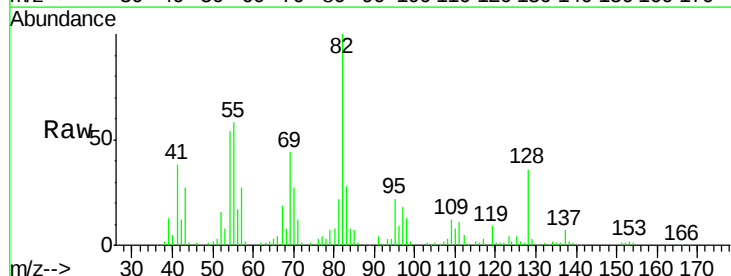
Instrument :
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ClientSampleId :
18B-23

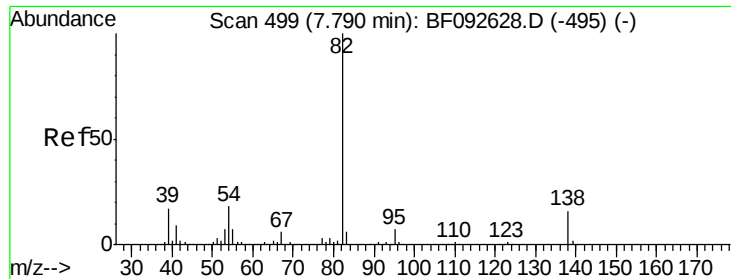
Tgt Ion:105 Resp: 73537
Ion Ratio Lower Upper
105 100
71 27.0 3.2 4.8#
51 13.4 26.2 39.4#
120 8.4 16.6 24.8#



#23
Nitrobenzene-d5
Concen: 12.73 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.07 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

Tgt Ion: 82 Resp: 162687
Ion Ratio Lower Upper
82 100
128 36.1 34.6 52.0
54 54.0 39.5 59.3

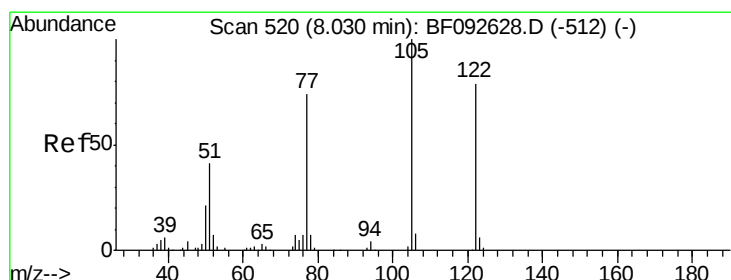
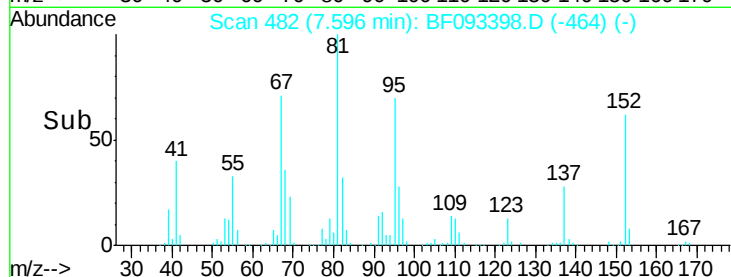
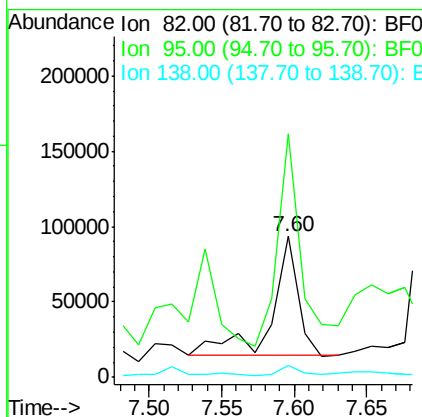
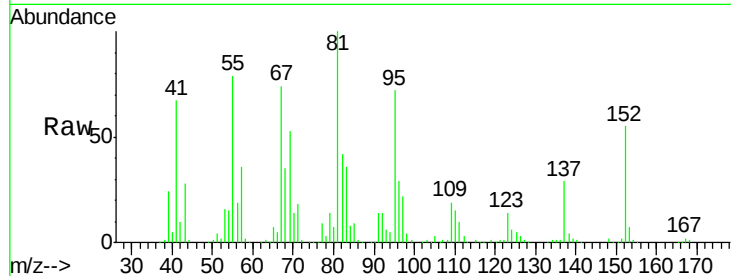




#25
Isophorone
Concen: 4.33 ng
RT: 7.60 min Scan# 482
Delta R.T. -0.09 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

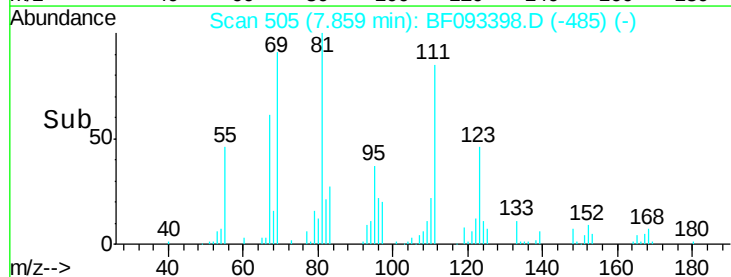
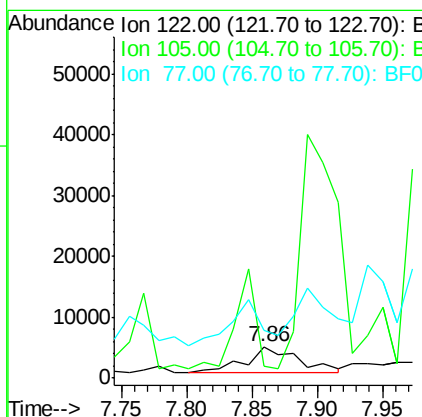
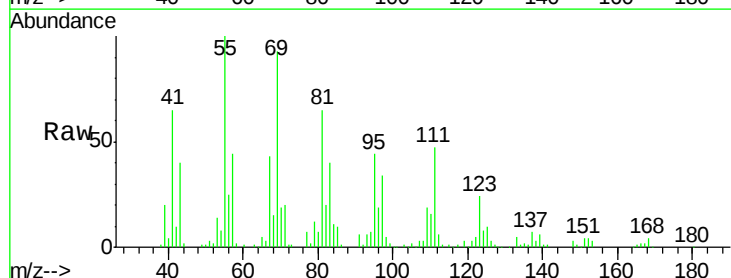
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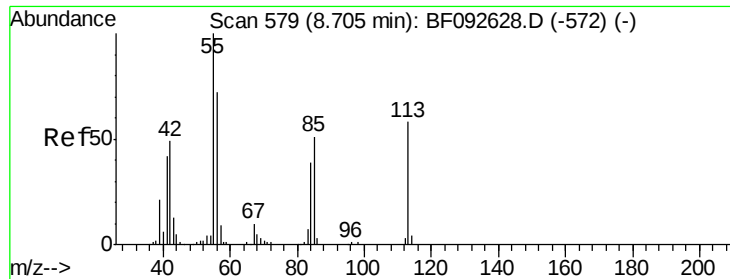
Tgt Ion: 82 Resp: 103226
Ion Ratio Lower Upper
82 100
95 172.6 5.6 8.4#
138 8.3 14.6 22.0#



#32
Benzoic acid
Concen: 8.88 ng
RT: 7.86 min Scan# 505
Delta R.T. -0.07 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

Tgt Ion: 122 Resp: 12533
Ion Ratio Lower Upper
122 100
105 38.4 107.2 147.2#
77 150.0 74.5 114.5#

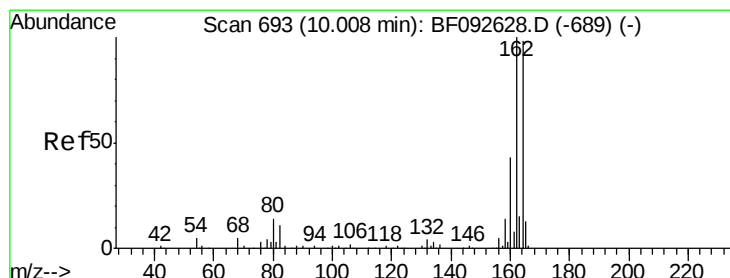
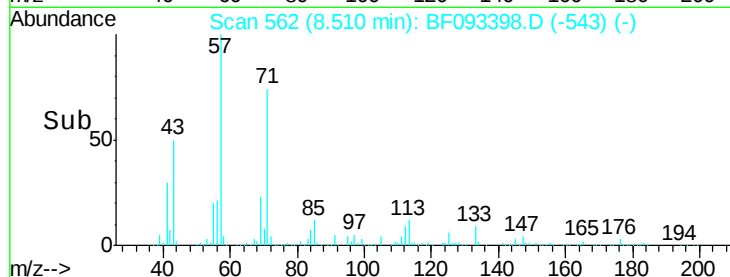
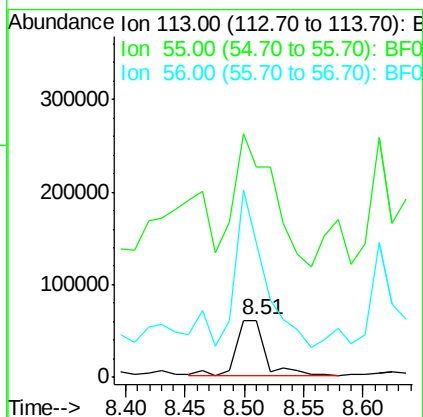
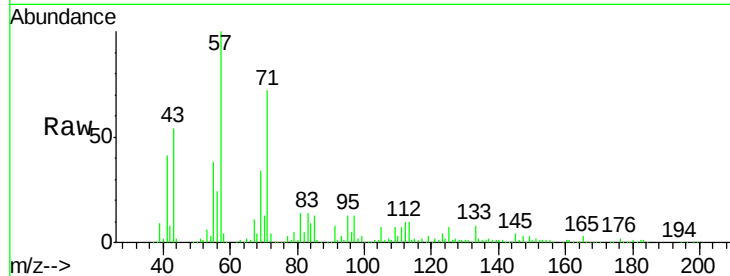




#35
 Caprolactam
 Concen: 31.44 ng
 RT: 8.51 min Scan# 562
 Delta R.T. -0.08 min
 Lab File: BF093398.D
 Acq: 4 Mar 2017 11:11

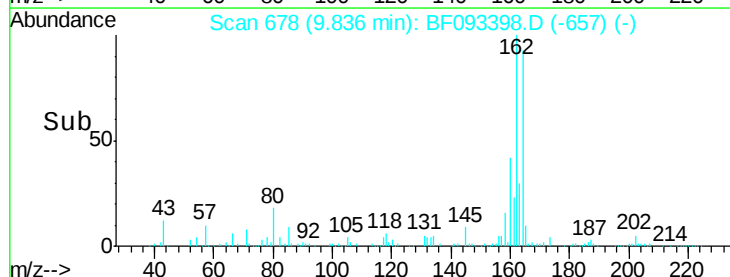
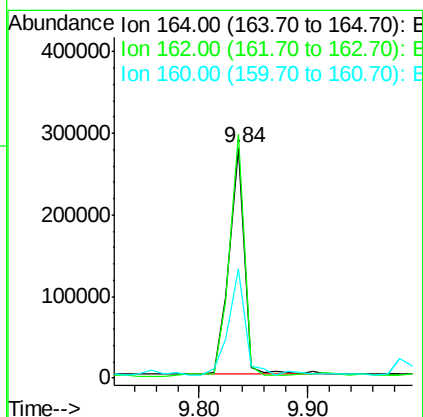
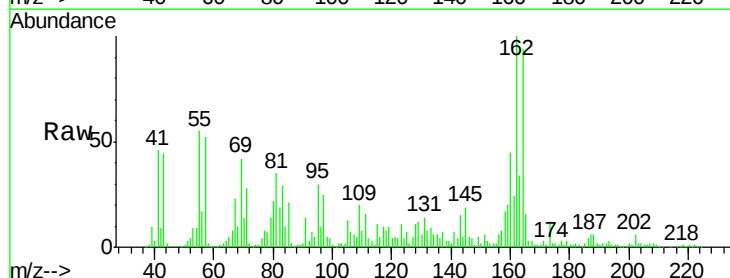
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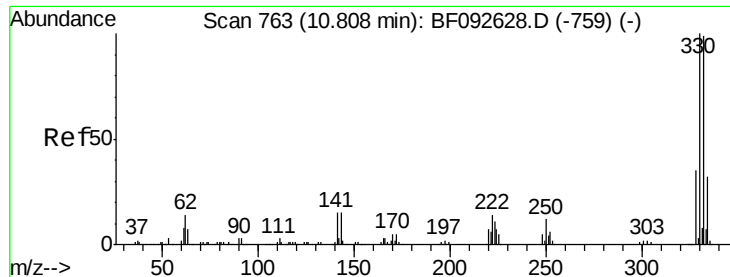
Tgt Ion:113 Resp: 101090
 Ion Ratio Lower Upper
 113 100
 55 367.5 119.2 159.2#
 56 234.6 83.8 123.8#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.06 min
 Lab File: BF093398.D
 Acq: 4 Mar 2017 11:11

Tgt Ion:164 Resp: 273295
 Ion Ratio Lower Upper
 164 100
 162 106.0 80.2 120.2
 160 47.3 36.9 55.3

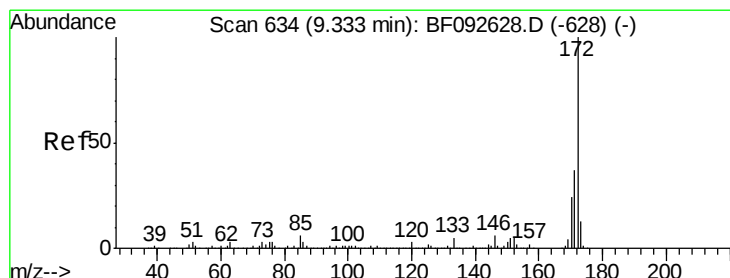
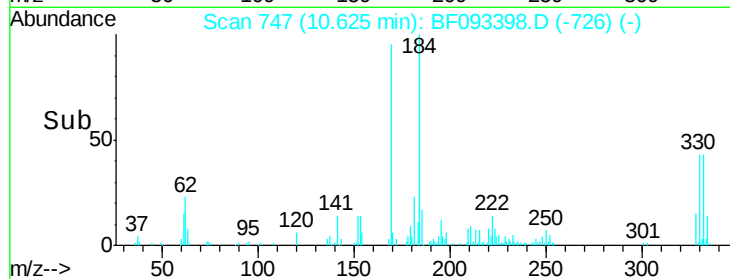
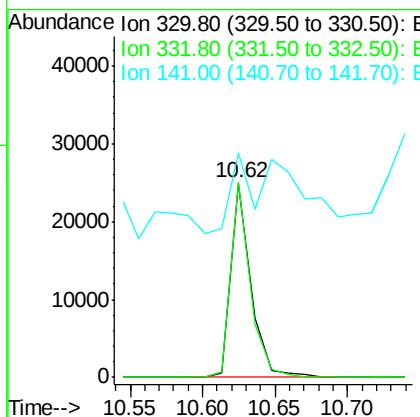
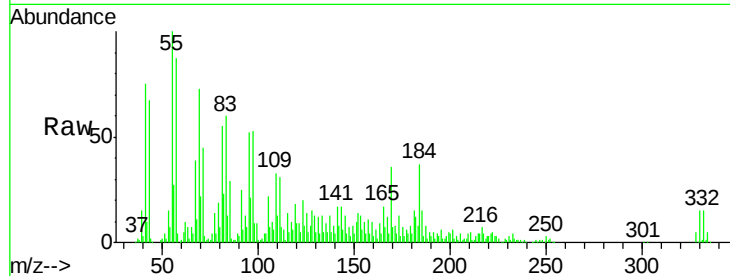




#41
 2,4,6-Tribromophenol
 Concen: 12.09 ng
 RT: 10.62 min Scan# 747
 Delta R.T. -0.06 min
 Lab File: BF093398.D
 Acq: 4 Mar 2017 11:11

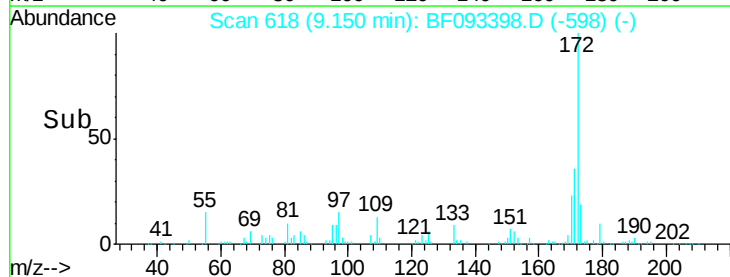
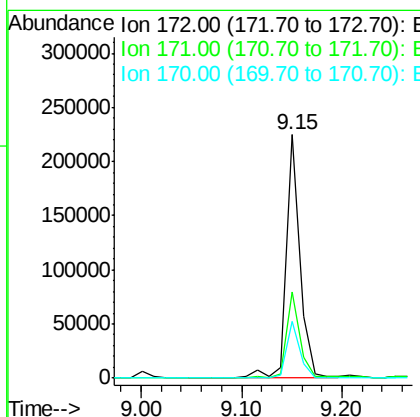
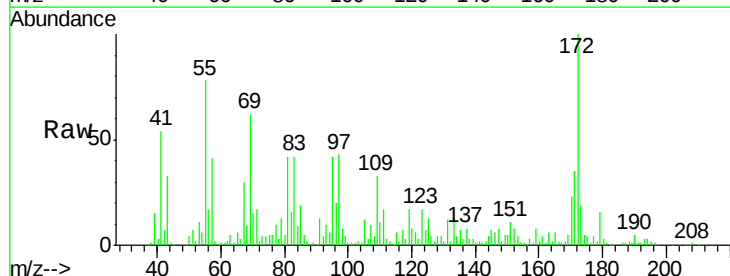
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 ClientSampleId :
 18B-23

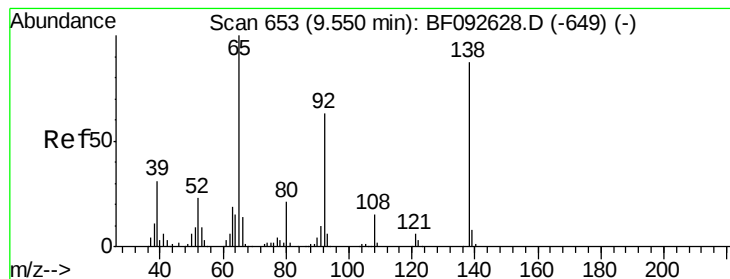
Tgt Ion:330 Resp: 23895
 Ion Ratio Lower Upper
 330 100
 332 97.5 77.4 116.2
 141 122.5 34.1 51.1#



#44
 2-Fluorobiphenyl
 Concen: 14.13 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.07 min
 Lab File: BF093398.D
 Acq: 4 Mar 2017 11:11

Tgt Ion:172 Resp: 213167
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.4 44.0
 170 23.4 20.2 30.4





#47

2-Nitroaniline

Concen: 2.58 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.23 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

Instrument :

BNA_F

ClientSampleId :

18B-23

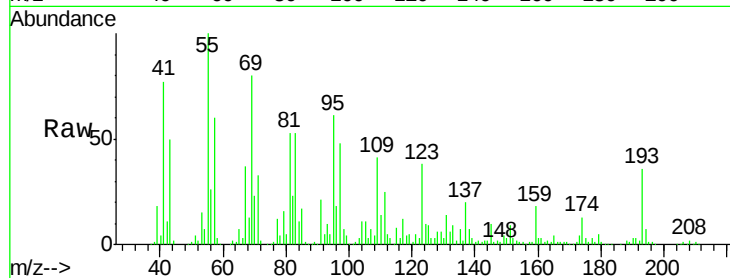
Tgt Ion: 65 Resp: 13424

Ion Ratio Lower Upper

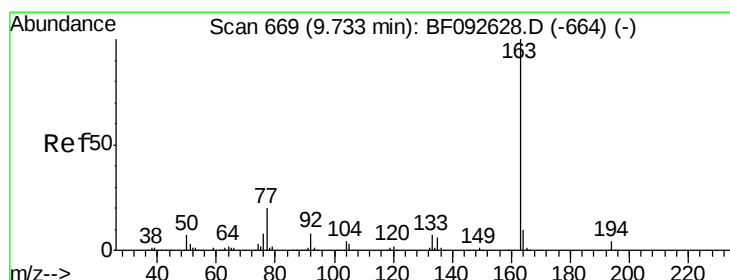
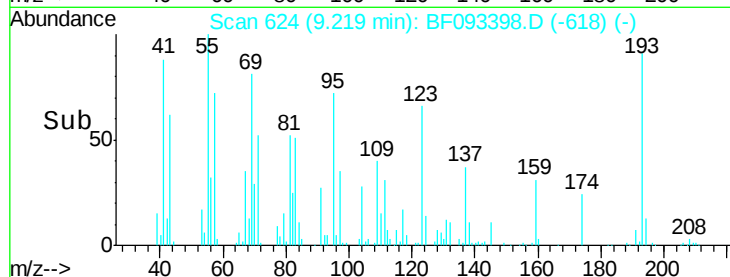
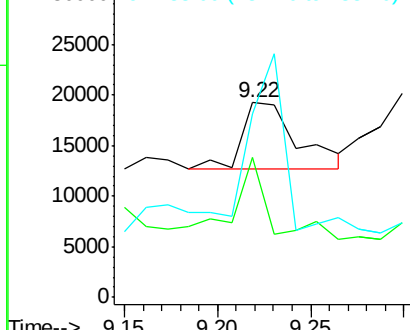
65 100

92 72.0 53.9 80.9

138 94.6 76.8 115.2



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#49

Dimethylphthalate

Concen: 2.26 ng

RT: 9.55 min Scan# 653

Delta R.T. -0.07 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

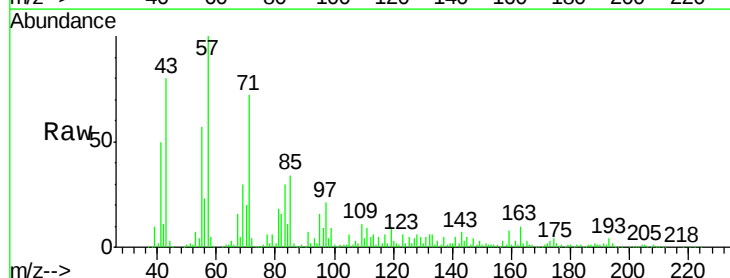
Tgt Ion: 163 Resp: 41544

Ion Ratio Lower Upper

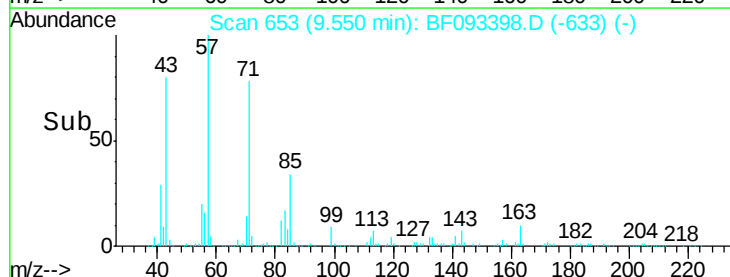
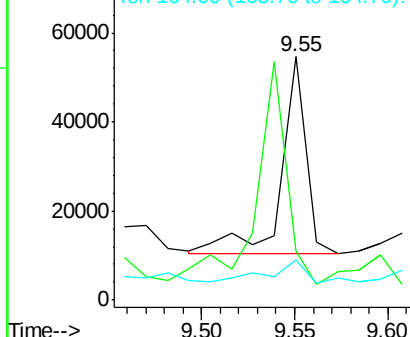
163 100

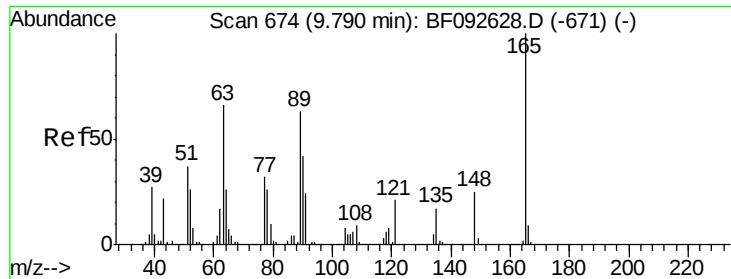
194 20.0 3.0 4.4#

164 16.5 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

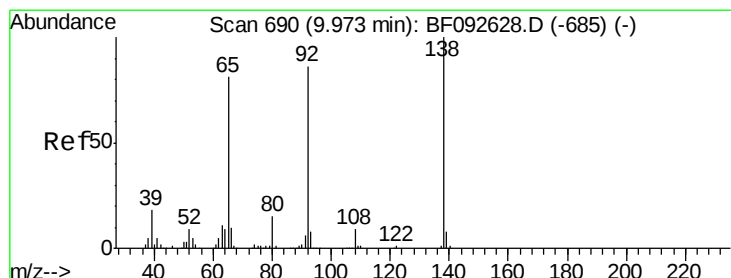
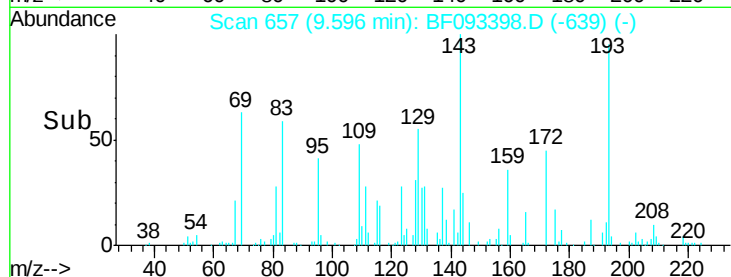
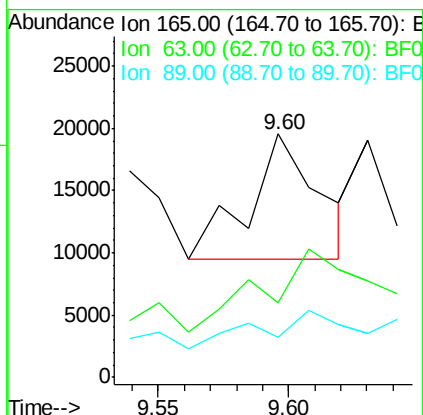
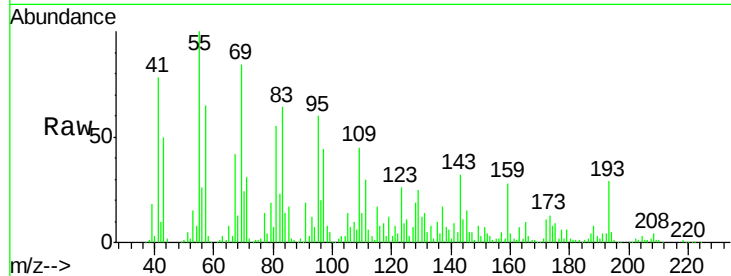




#50
 2,6-Dinitrotoluene
 Concen: 4.65 ng
 RT: 9.60 min Scan# 657
 Delta R.T. -0.09 min
 Lab File: BF093398.D
 Acq: 4 Mar 2017 11:11

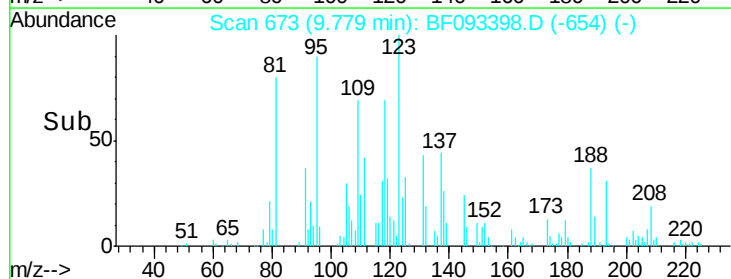
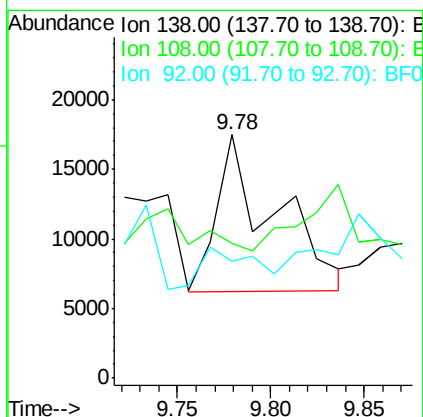
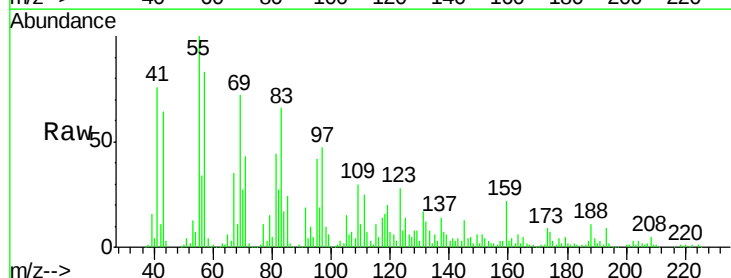
Instrument :
 BNA_F
 ClientSampleId :
 18B-23

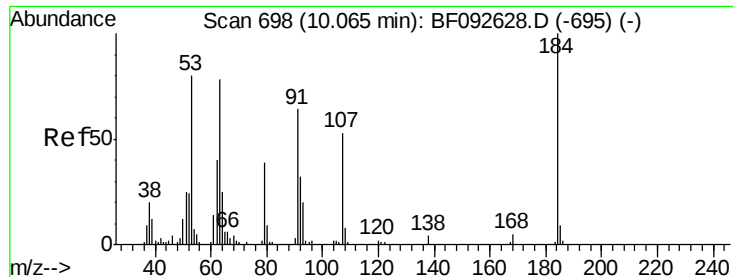
Tgt Ion:165 Resp: 18489
 Ion Ratio Lower Upper
 165 100
 63 30.9 36.2 54.4#
 89 16.6 40.2 60.4#



#52
 3-Nitroaniline
 Concen: 5.29 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.08 min
 Lab File: BF093398.D
 Acq: 4 Mar 2017 11:11

Tgt Ion:138 Resp: 24075
 Ion Ratio Lower Upper
 138 100
 108 55.5 8.5 12.7#
 92 48.3 97.8 146.8#

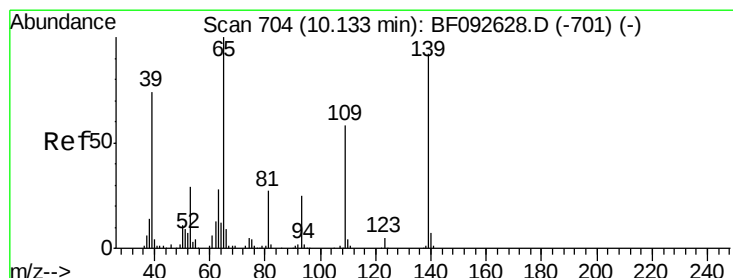
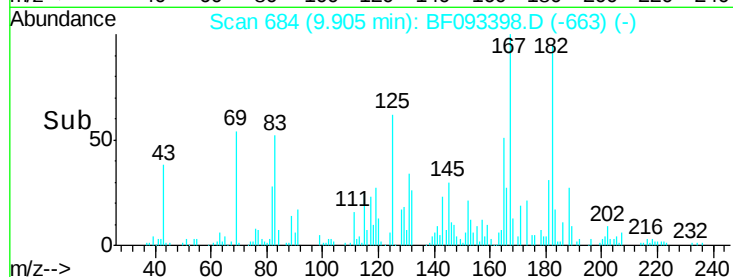
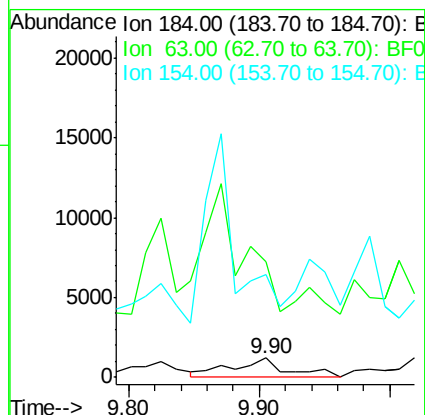
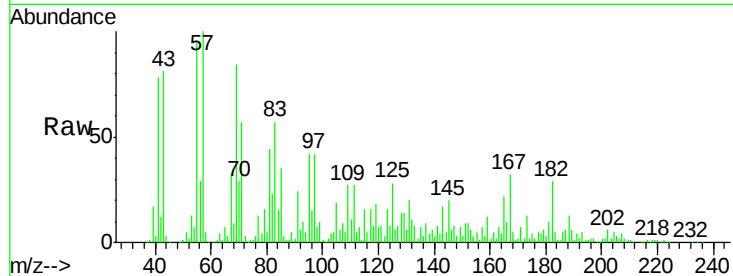




#53
2,4-Dinitrophenol
Concen: 6.38 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.06 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

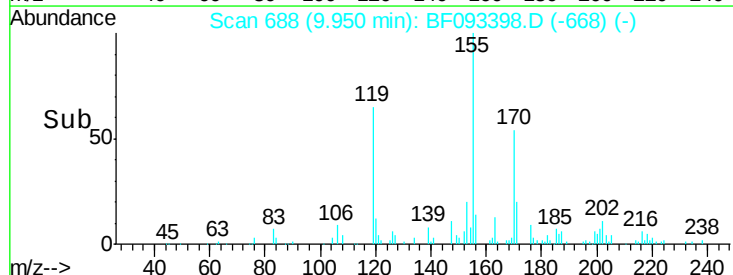
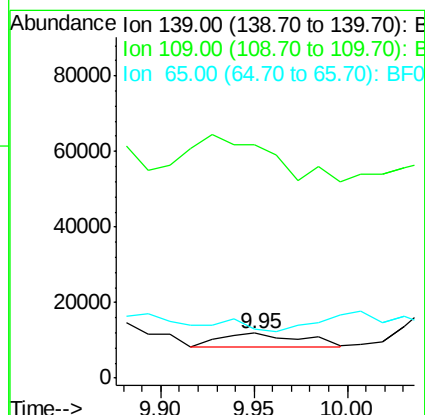
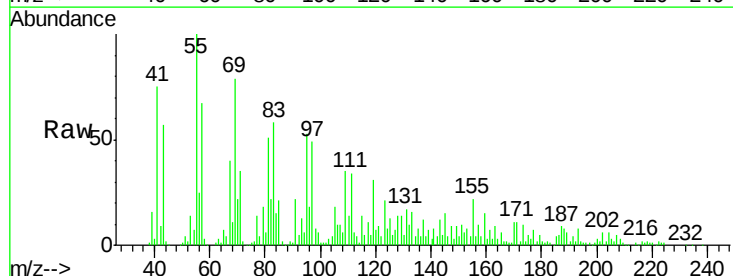
Instrument :
BNA_F
ClientSampleId :
18B-23

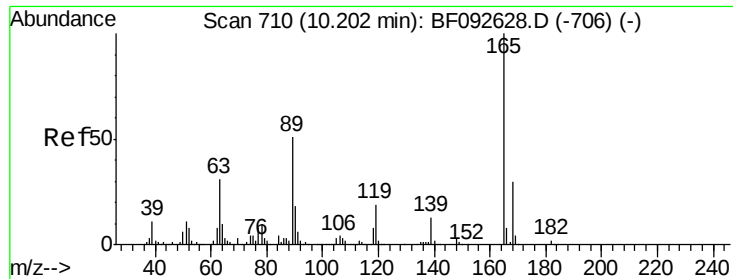
Tgt Ion:184 Resp: 3546
Ion Ratio Lower Upper
184 100
63 612.0 28.4 42.6#
154 544.6 44.3 66.5#



#55
4-Nitrophenol
Concen: 3.35 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.07 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

Tgt Ion:139 Resp: 10967
Ion Ratio Lower Upper
139 100
109 517.7 52.2 92.2#
65 108.2 85.8 125.8

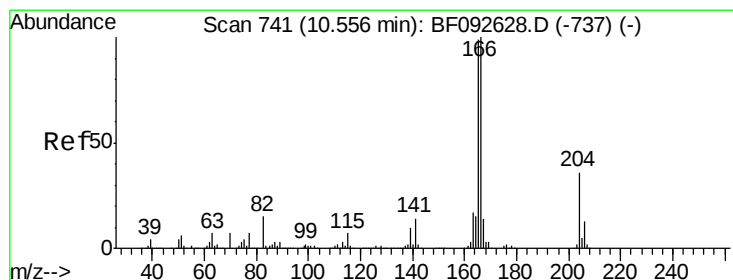
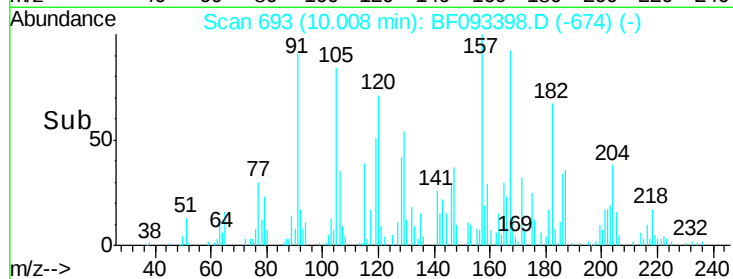
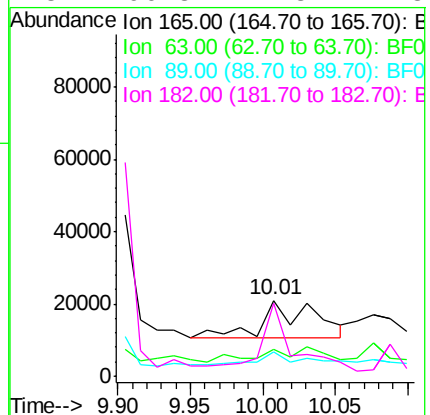
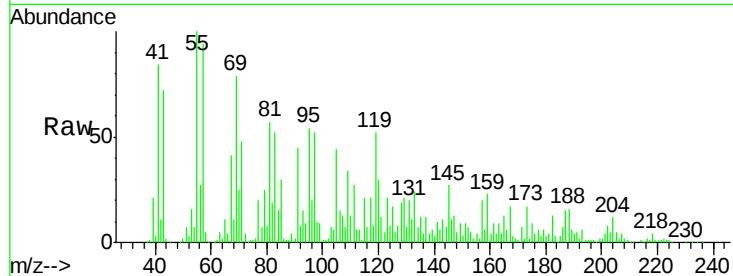




#56
2,4-Dinitrotoluene
Concen: 4.85 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.08 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

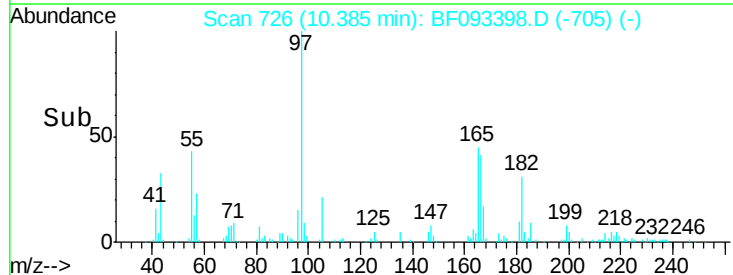
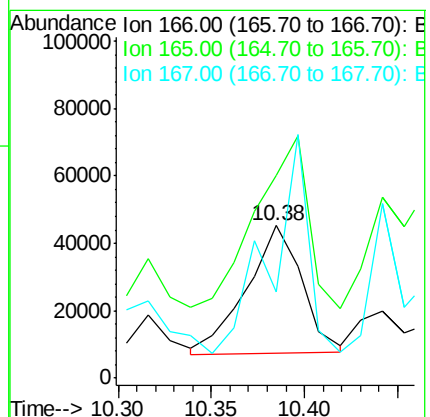
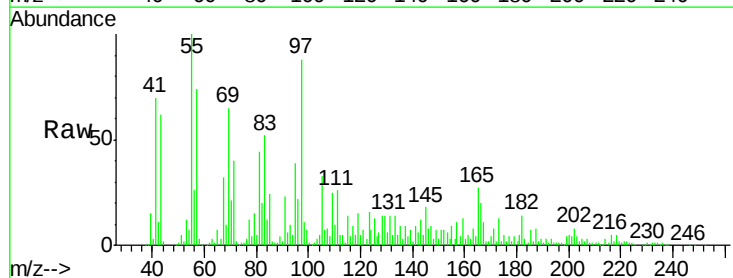
Instrument :
BNA_F
ClientSampleId :
18B-23

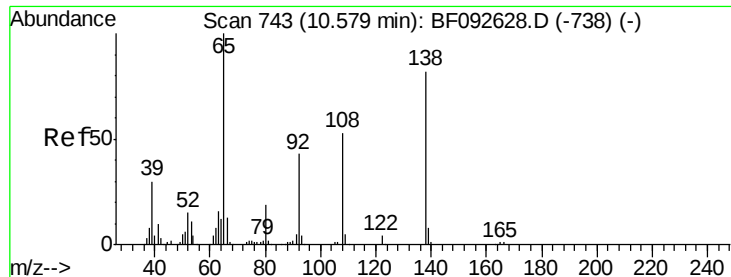
Tgt Ion:165 Resp: 25672
Ion Ratio Lower Upper
165 100
63 34.9 40.2 60.4#
89 32.0 62.5 93.7#
182 96.3 1.8 2.8#



#57
Fluorene
Concen: 4.78 ng
RT: 10.38 min Scan# 726
Delta R.T. -0.06 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

Tgt Ion:166 Resp: 78610
Ion Ratio Lower Upper
166 100
165 132.5 77.8 116.8#
167 56.8 10.8 16.2#

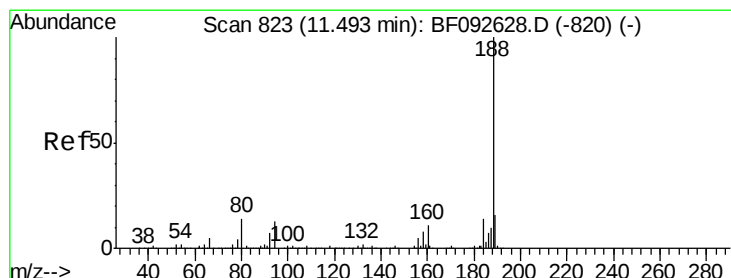
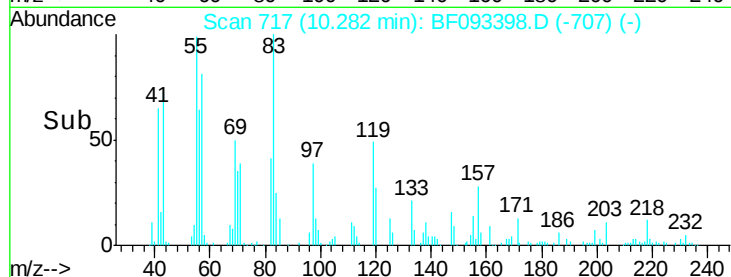
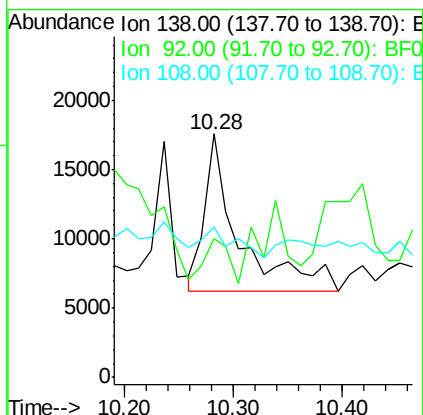
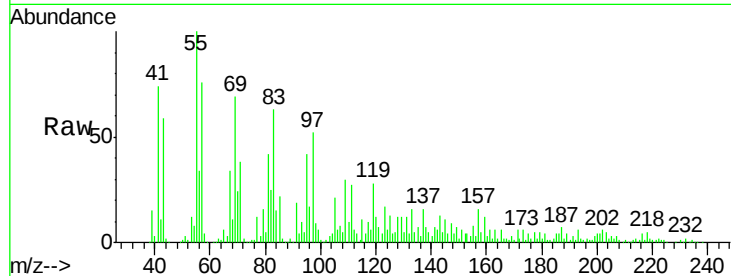




#61
4-Nitroaniline
Concen: 5.33 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.18 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

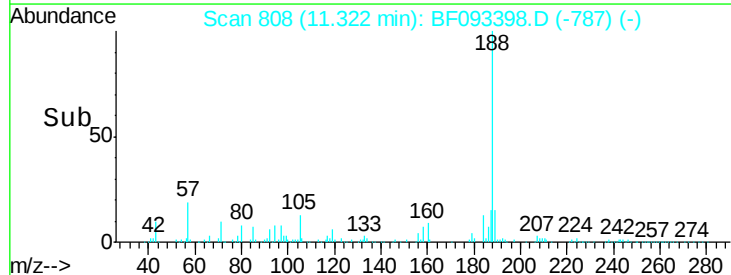
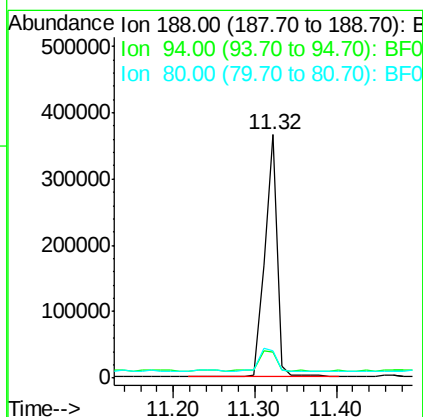
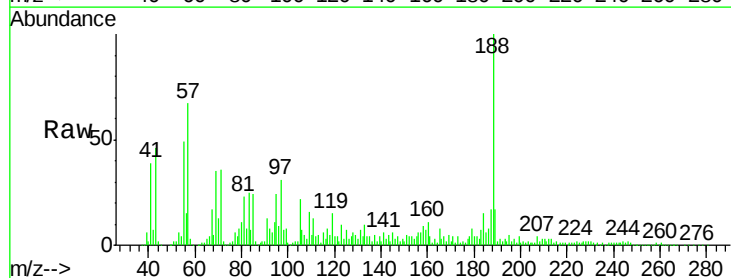
Instrument :
BNA_F
ClientSampleId :
18B-23

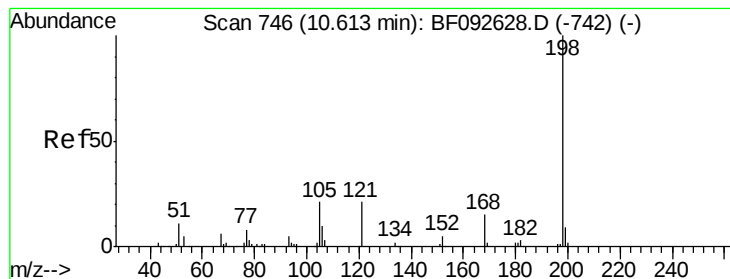
Tgt Ion:138 Resp: 24829
Ion Ratio Lower Upper
138 100
92 56.9 31.7 71.7
108 61.9 52.6 92.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.06 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

Tgt Ion:188 Resp: 389343
Ion Ratio Lower Upper
188 100
94 10.9 10.0 15.0
80 11.0 11.2 16.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 3.64 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.06 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

Instrument :

BNA_F

ClientSampled :

18B-23

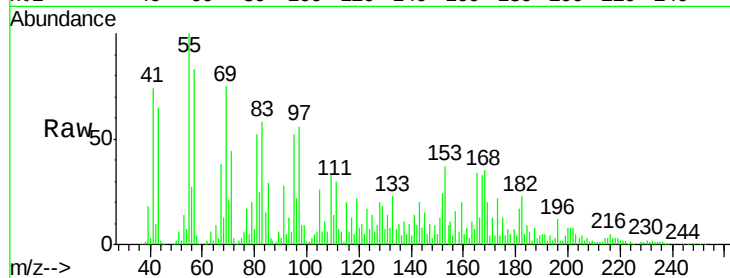
Tgt Ion:198 Resp: 2437

Ion Ratio Lower Upper

198 100

51 408.3 6.7 46.7#

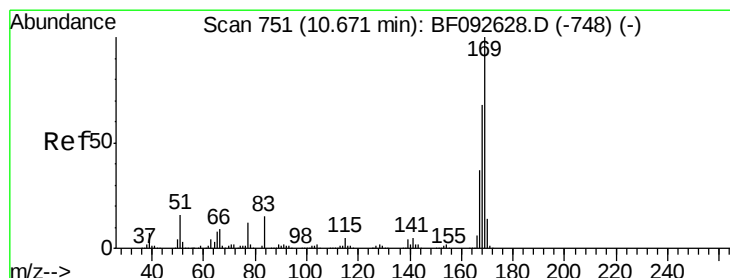
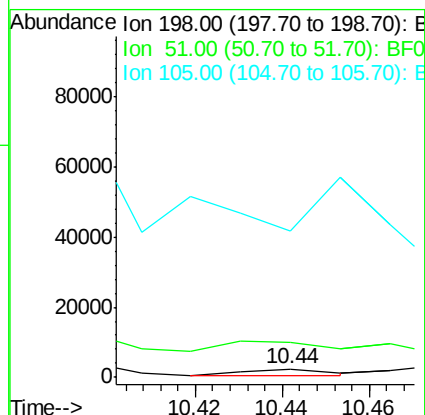
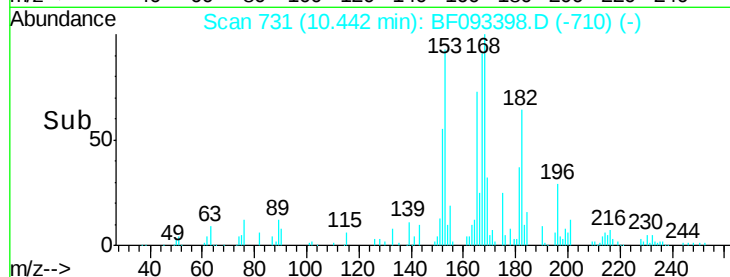
105 1697.6 16.6 56.6#



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



#65

n-Nitrosodiphenylamine

Concen: 11.04 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.07 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

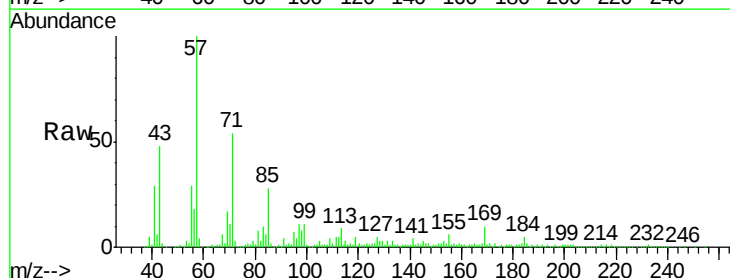
Tgt Ion:169 Resp: 137343

Ion Ratio Lower Upper

169 100

168 20.5 54.2 81.2#

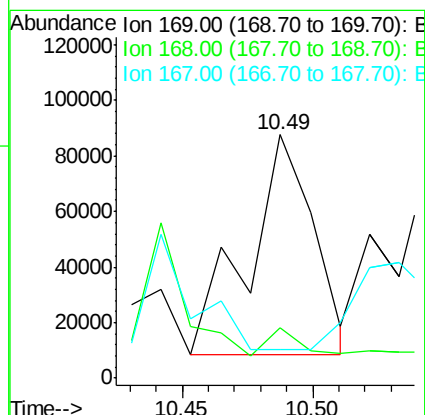
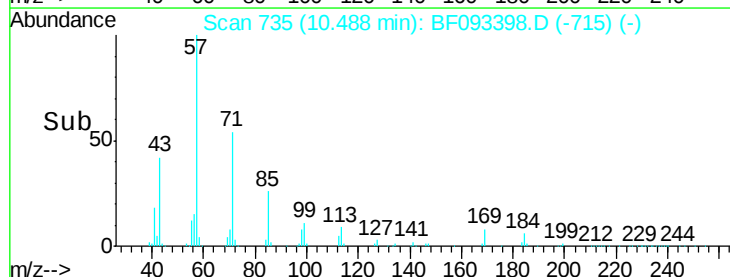
167 11.5 30.2 45.4#

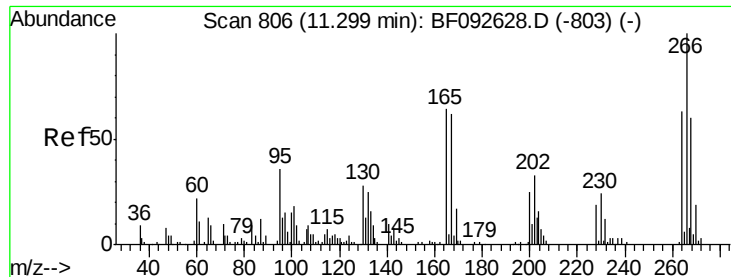


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

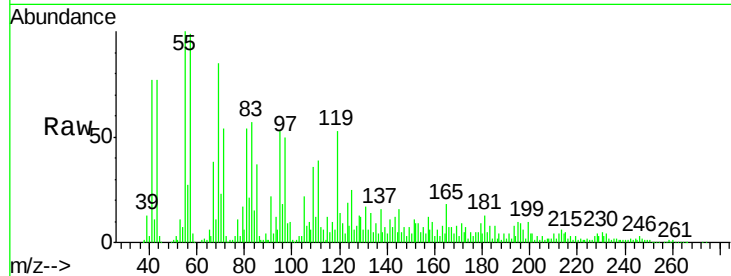




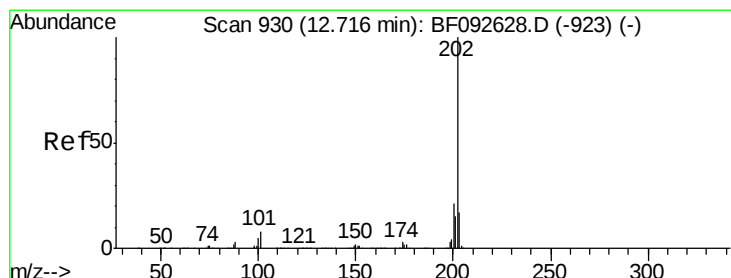
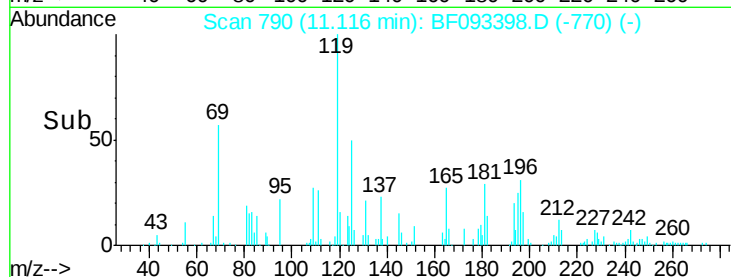
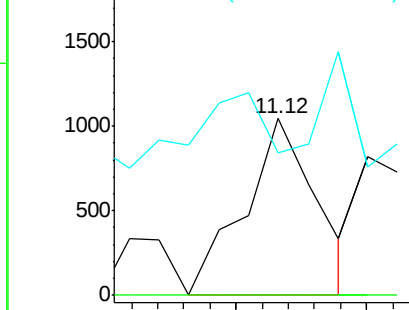
#69
 Pentachlorophenol
 Concen: 8.07 ng
 RT: 11.12 min Scan# 790
 Delta R.T. -0.07 min
 Lab File: BF093398.D
 Acq: 4 Mar 2017 11:11

Instrument :
 BNA_F
 ClientSampleId :
 18B-23

Tgt Ion: 266 Resp: 1985
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.3 79.9#
 264 80.7 50.3 75.5#

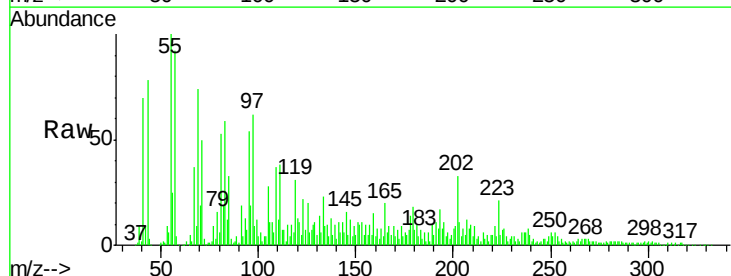


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

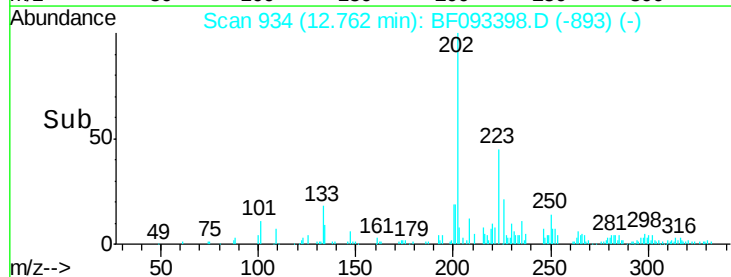
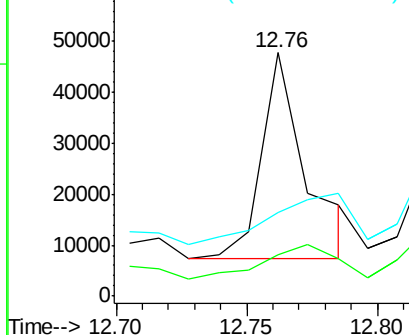


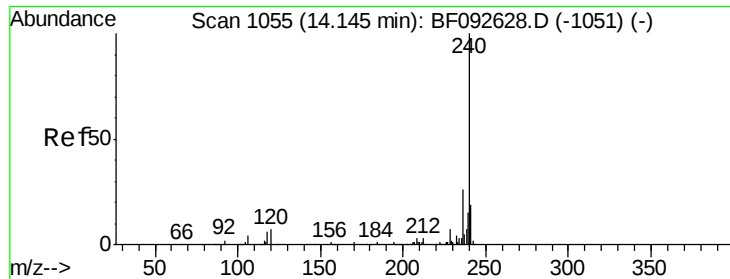
#74
 Fluoranthene
 Concen: 2.08 ng
 RT: 12.76 min Scan# 934
 Delta R.T. 0.17 min
 Lab File: BF093398.D
 Acq: 4 Mar 2017 11:11

Tgt Ion: 202 Resp: 47864
 Ion Ratio Lower Upper
 202 100
 101 17.1 0.0 34.6
 203 34.2 0.0 38.7



Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.96 min Scan# 1039

Delta R.T. -0.06 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

Instrument :

BNA_F

ClientSampleId :

18B-23

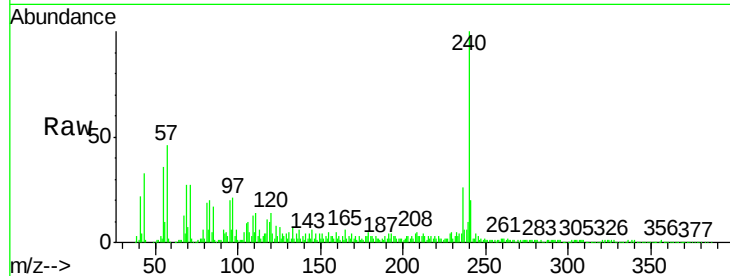
Tgt Ion:240 Resp: 344494

Ion Ratio Lower Upper

240 100

120 14.1 12.9 19.3

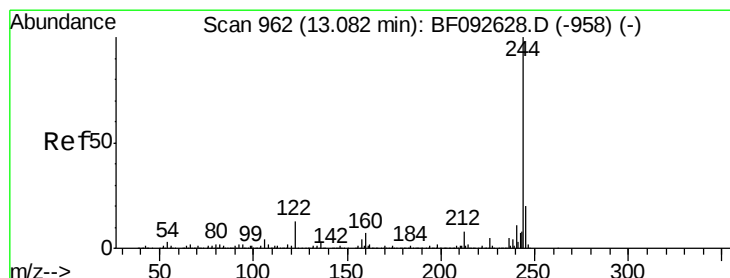
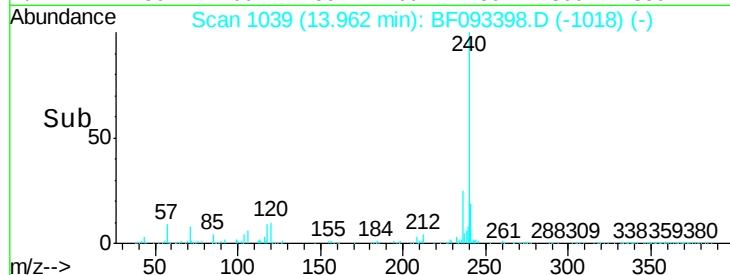
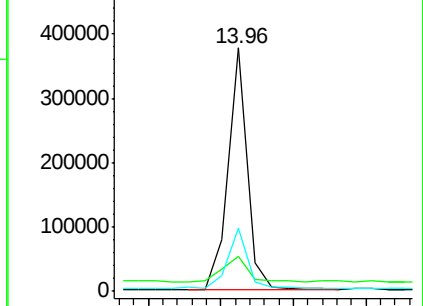
236 26.0 20.9 31.3



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: 7.89 ng

RT: 12.90 min Scan# 946

Delta R.T. -0.07 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

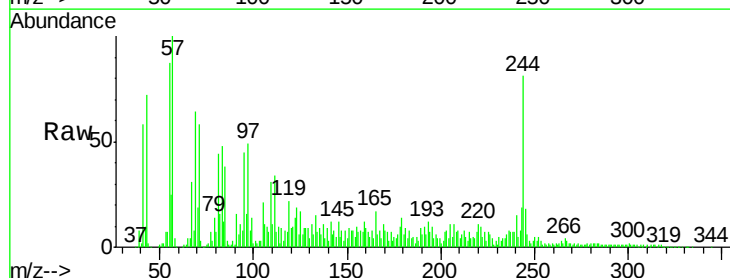
Tgt Ion:244 Resp: 115635

Ion Ratio Lower Upper

244 100

212 9.9 6.2 9.2#

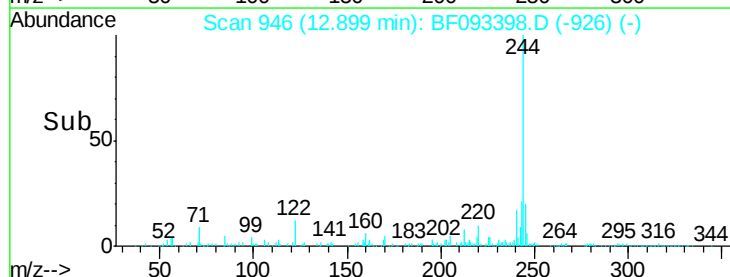
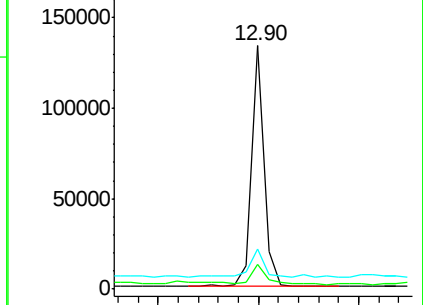
122 16.7 11.4 17.2

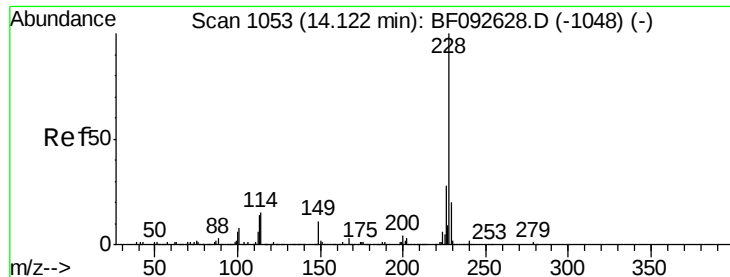


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.16 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

Instrument :

BNA_F

ClientSampleId :

18B-23

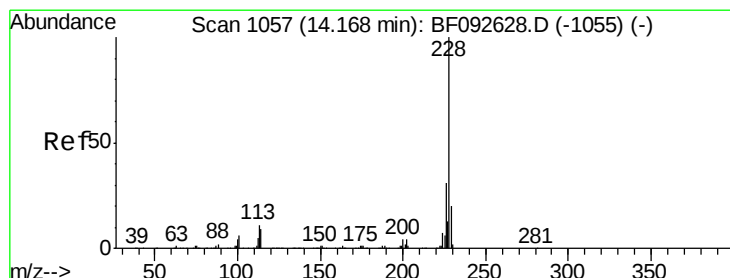
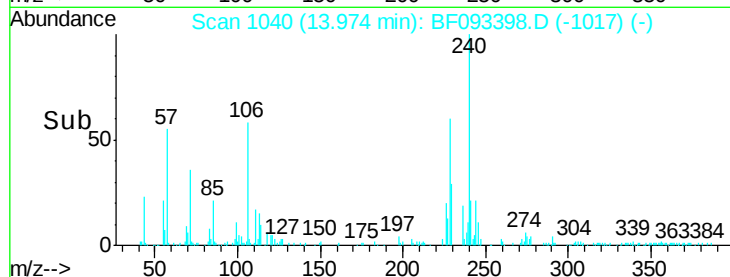
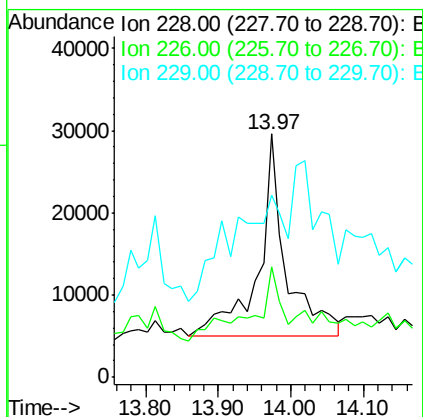
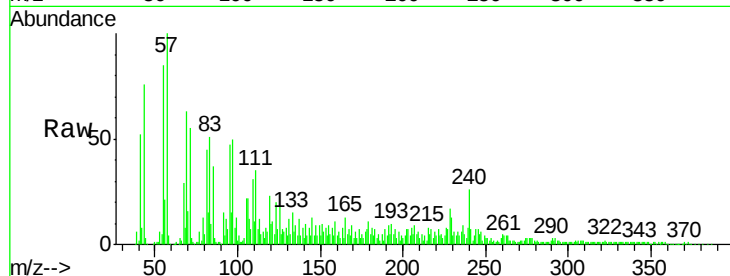
Tgt Ion:228 Resp: 66660

Ion Ratio Lower Upper

228 100

226 45.3 22.4 33.6#

229 74.6 16.2 24.4#



#82

Chrysene

Concen: 3.38 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.07 min

Lab File: BF093398.D

Acq: 4 Mar 2017 11:11

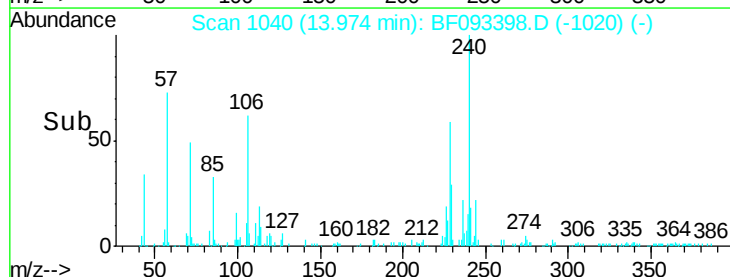
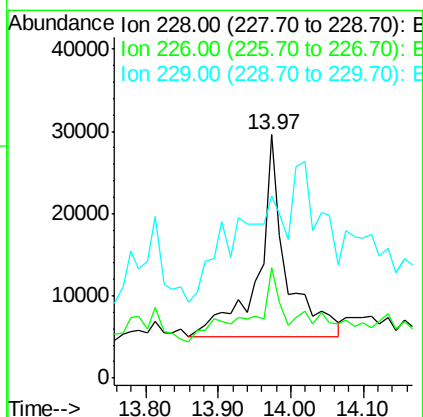
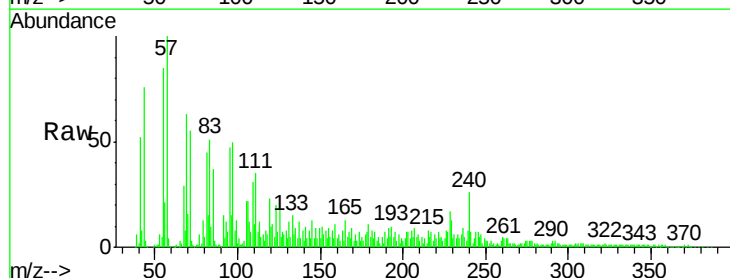
Tgt Ion:228 Resp: 66660

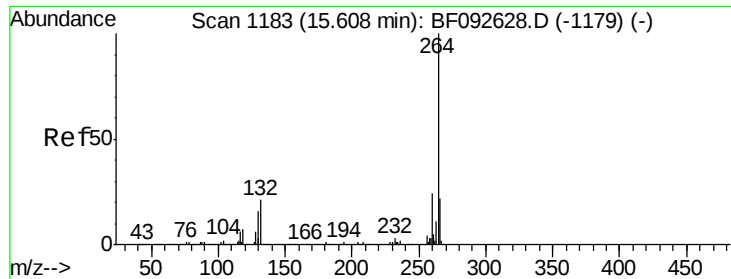
Ion Ratio Lower Upper

228 100

226 45.3 25.4 38.0#

229 74.6 16.2 24.2#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.39 min Scan# 1164
Delta R.T. -0.06 min
Lab File: BF093398.D
Acq: 4 Mar 2017 11:11

Instrument :
BNA_F
ClientSampleId :
18B-23

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.4	17.4	26.0

