

Data File : BF093226.D
Acq On : 28 Feb 2017 1:14
Operator : SJ/MA
Sample : I1997-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSW

Quant Time: Feb 28 02:44:34 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 28 00:51:02 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	164653	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	595241	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	270831	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	395916	20.00	ng	0.00
75) Chrysene-d12	14.00	240	242865	20.00	ng	0.01
86) Perylene-d12	15.44	264	263570	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1047241	109.12	ng	0.01
7) Phenol-d6	6.48	99	1374846	111.34	ng	0.00
23) Nitrobenzene-d5	7.39	82	787628	73.69	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	171086	87.34	ng	-0.01
44) 2-Fluorobiphenyl	9.18	172	1277343	85.45	ng	0.00
78) Terphenyl-d14	12.93	244	801713	77.56	ng	0.00

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	107515	13.68	ng	# 80
25) Isophorone	7.39	82	622967	31.28	ng	# 65
31) Naphthalene	8.12	128	253511	8.40	ng	99
32) Benzoic acid	7.92	122	7179	8.34	ng	# 15
33) 4-Chloroaniline	8.12	127	32572	2.75	ng	# 32
37) 2-Methylnaphthalene	8.82	142	94386	4.87	ng	97
45) 1,1'-Biphenyl	9.28	154	46569	2.37	ng	97
48) Acenaphthylene	9.72	152	256174	9.67	ng	97
49) Dimethylphthalate	9.58	163	399699	21.91	ng	98
51) Acenaphthene	9.89	154	409147	25.82	ng	96
53) 2,4-Dinitrophenol	10.18	184	206	4.83	ng	# 1
54) Dibenzofuran	10.06	168	341316	16.11	ng	92
55) 4-Nitrophenol	10.06	139	125462	38.64	ng	# 5
57) Fluorene	10.41	166	421937	25.88	ng	98
64) 4,6-Dinitro-2-methylphenol	10.65	198	485	2.86	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	29453	2.33	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	12202	2.95	ng	# 1
70) Phenanthrene	11.38	178	4498115	198.31	ng	99
71) Anthracene	11.43	178	1145169	50.27	ng	99
72) Carbazole	11.59	167	418109	19.20	ng	97
74) Fluoranthene	12.58	202	4541866	194.12	ng	97
77) Pyrene	12.81	202	4373849	240.65	ng	98
80) Benzo(a)anthracene	14.00	228	2572562	173.19	ng	97
82) Chrysene	14.00	228	2572562	184.98	ng	97
85) Indeno(1,2,3-cd)pyrene	16.85	276	1182788	109.80	ng	100
87) Benzo(b)fluoranthene	15.04	252	3248858	187.27	ng	98
88) Benzo(k)fluoranthene	15.04	252	3248858	216.90	ng	98
89) Benzo(a)pyrene	15.39	252	1852427	123.44	ng	96
90) Dibenzo(a,h)anthracene	17.00	278	238403	19.66	ng	97
91) Benzo(g,h,i)perylene	17.29	276	1133286	92.50	ng	# 91

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

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Sample : I1997-02

Misc :

ALS Vial : 15 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

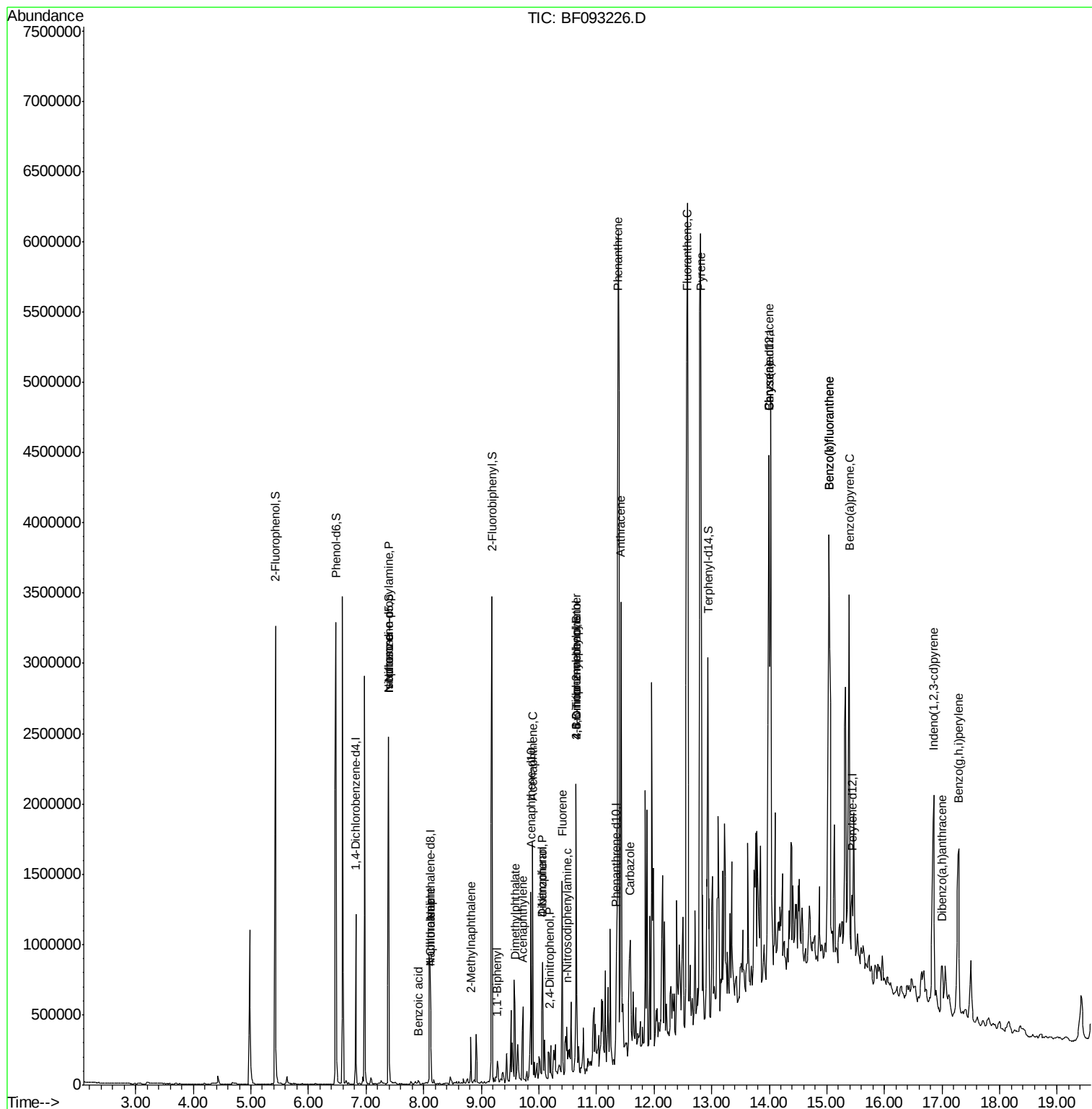
Quant Time: Feb 28 02:44:34 2017

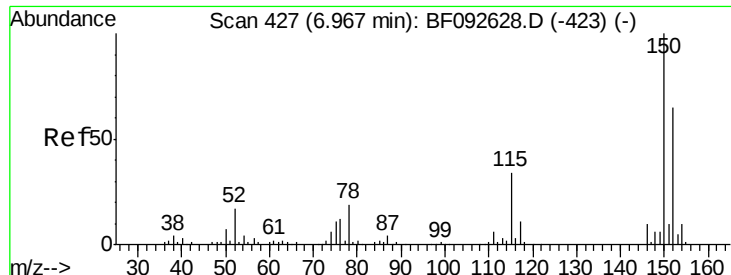
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Tue Feb 28 00:51:02 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.82 min Scan# 414

Delta R.T. 0.00 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

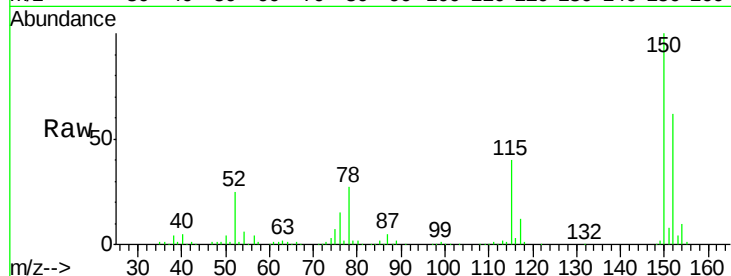
Tgt Ion:152 Resp: 164653

Ion Ratio Lower Upper

152 100

150 160.2 124.9 187.3

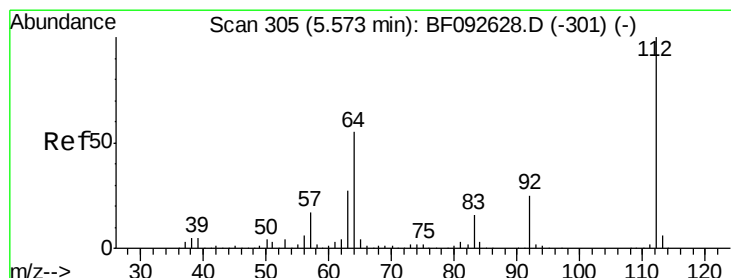
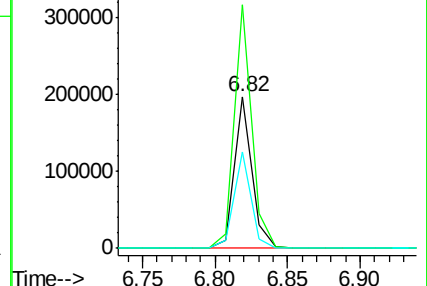
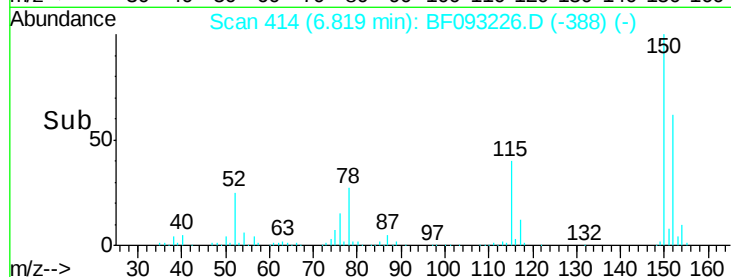
115 63.4 46.0 69.0



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: 109.12 ng

RT: 5.42 min Scan# 292

Delta R.T. 0.01 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

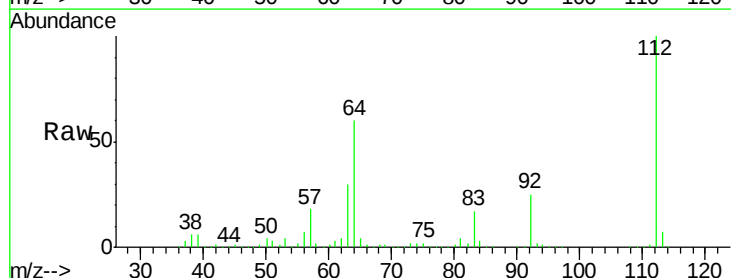
Tgt Ion:112 Resp: 1047241

Ion Ratio Lower Upper

112 100

64 60.1 46.1 69.1

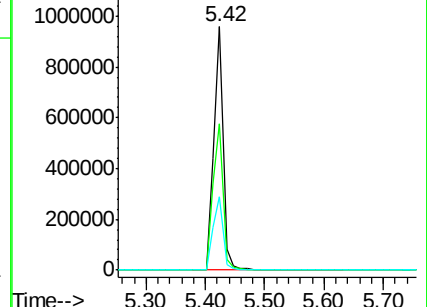
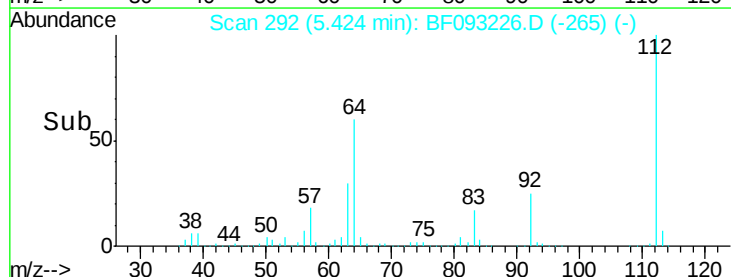
63 30.0 23.8 35.6

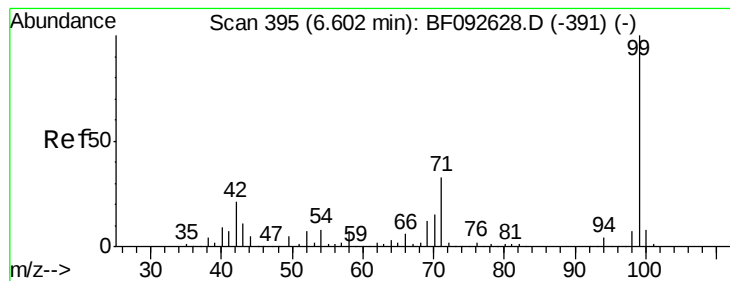


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 111.34 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

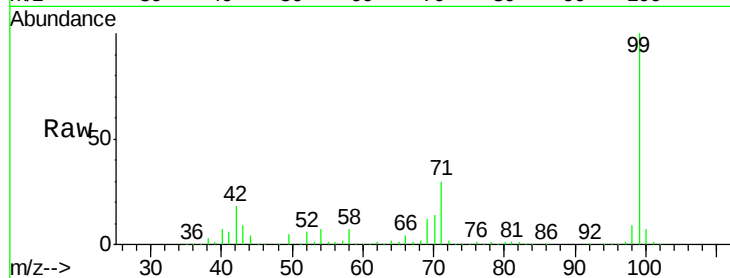
Tgt Ion: 99 Resp: 1374846

Ion Ratio Lower Upper

99 100

42 17.7 15.6 23.4

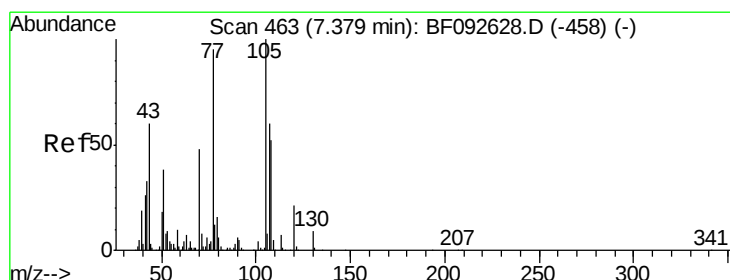
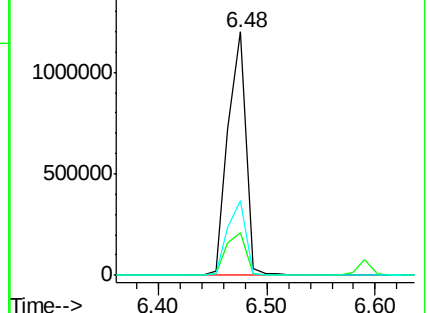
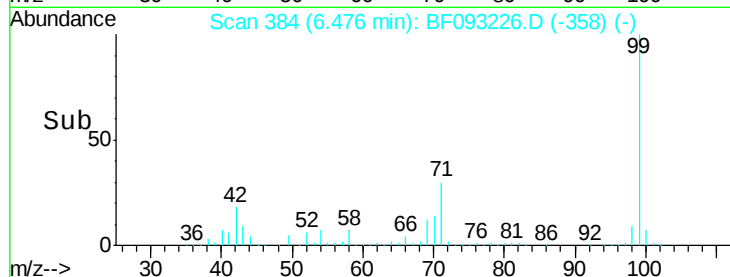
71 30.5 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.68 ng

RT: 7.39 min Scan# 464

Delta R.T. 0.15 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Tgt Ion: 70 Resp: 107515

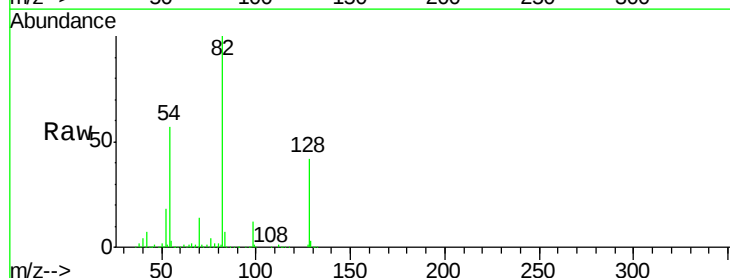
Ion Ratio Lower Upper

70 100

42 51.0 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

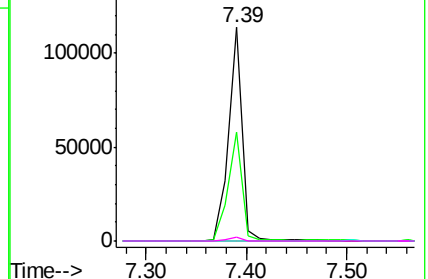
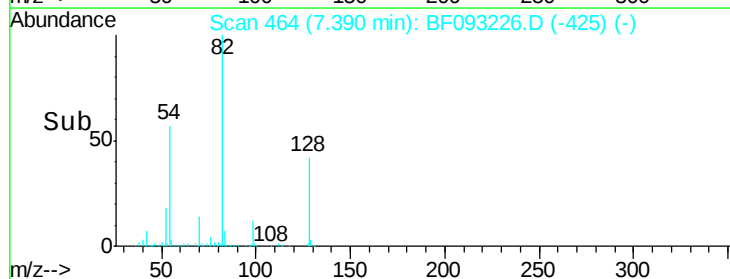


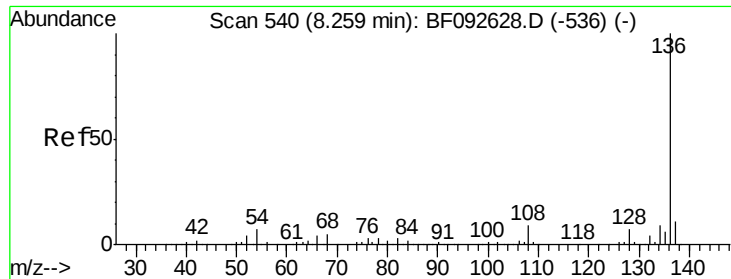
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

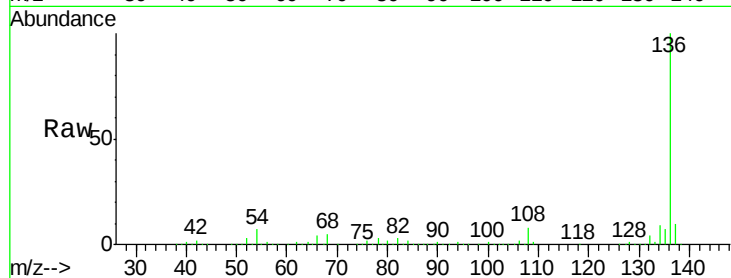




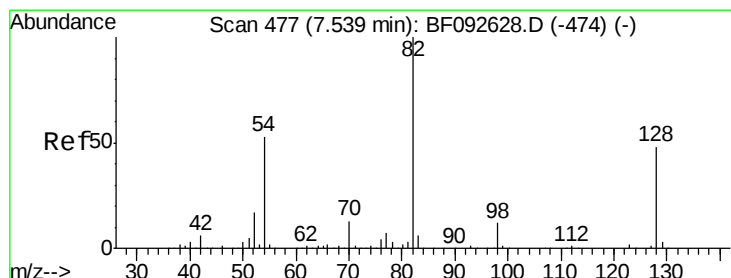
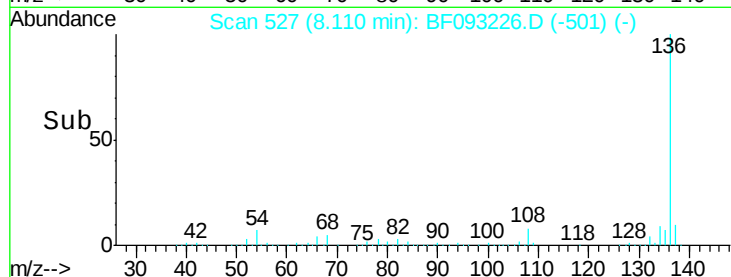
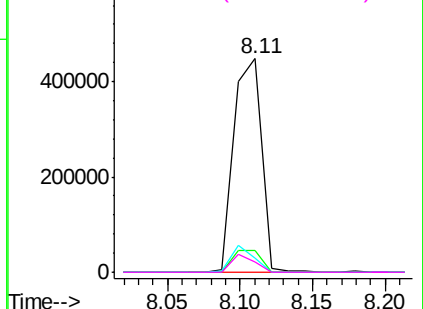
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. 0.00 min
Lab File: BF093226.D
Acq: 28 Feb 2017 1:14

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSW

Tgt Ion:	136	Resp:	595241
Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.4	12.6
54	6.5	4.5	6.7
68	5.0	3.6	5.4

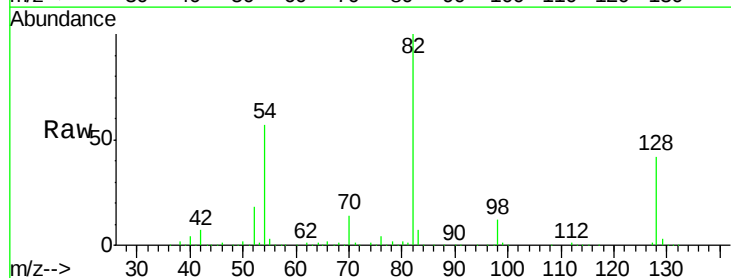


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

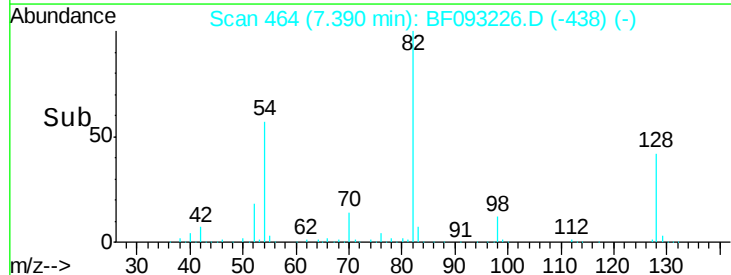
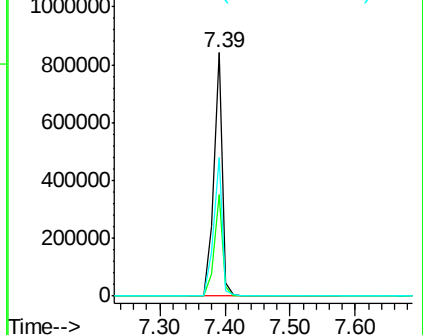


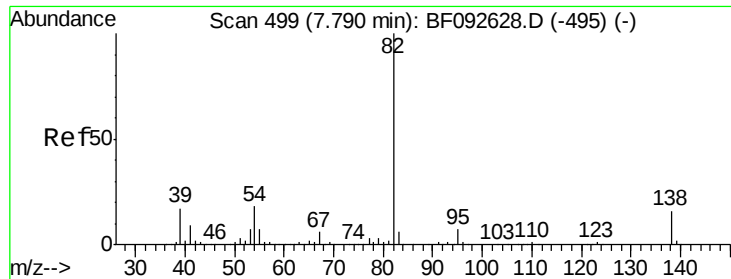
#23
Nitrobenzene-d5
Concen: 73.69 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.00 min
Lab File: BF093226.D
Acq: 28 Feb 2017 1:14

Tgt Ion:	82	Resp:	787628
Ion	Ratio	Lower	Upper
82	100		
128	41.7	34.6	52.0
54	56.9	39.5	59.3



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

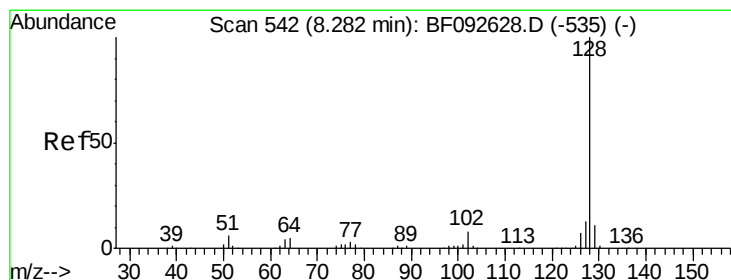
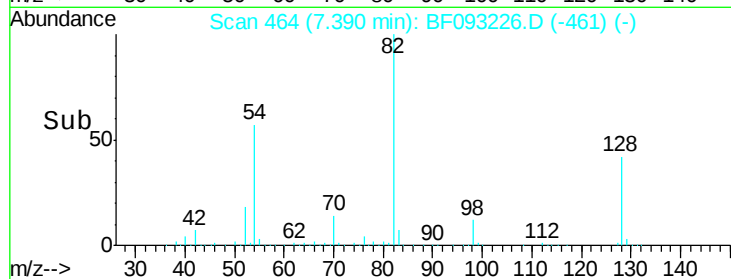
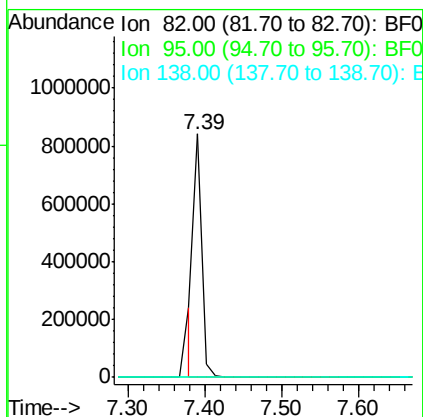
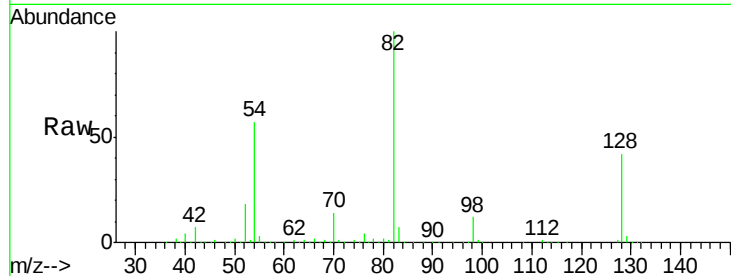




#25
Isophorone
Concen: 31.28 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.26 min
Lab File: BF093226.D
Acq: 28 Feb 2017 1:14

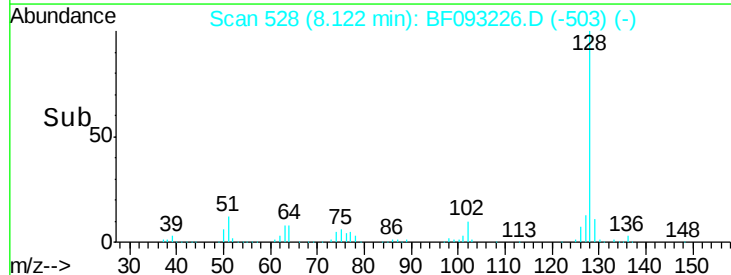
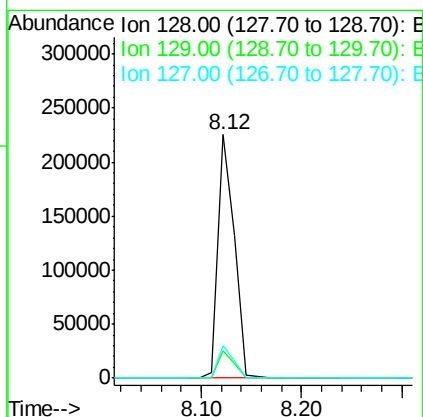
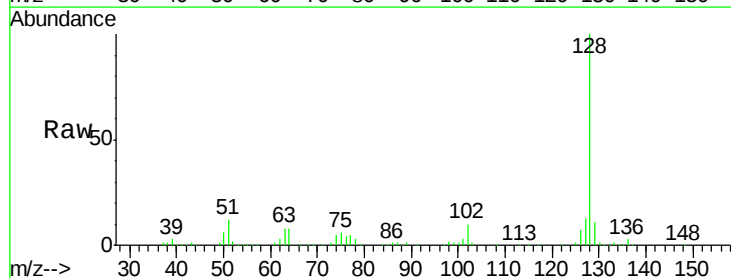
Instrument :
BNA_F
ClientSampleId :
E2-W4-WSW

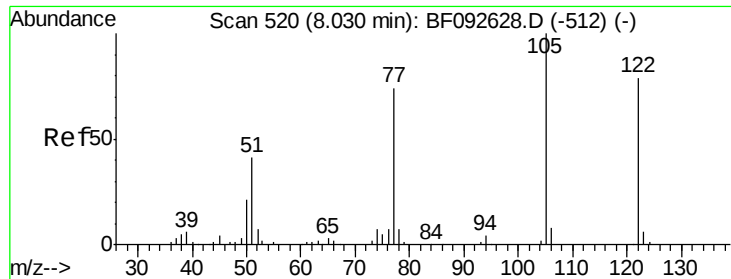
Tgt Ion: 82 Resp: 622967
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.6 22.0#



#31
Naphthalene
Concen: 8.40 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.01 min
Lab File: BF093226.D
Acq: 28 Feb 2017 1:14

Tgt Ion: 128 Resp: 253511
Ion Ratio Lower Upper
128 100
129 11.4 9.5 14.3
127 13.4 10.8 16.2





#32

Benzoic acid

Concen: 8.34 ng

RT: 7.92 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

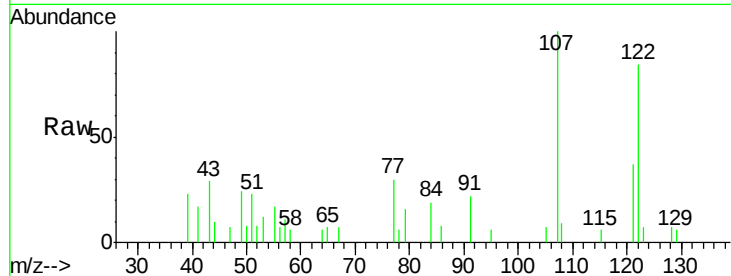
Tgt Ion:122 Resp: 7179

Ion Ratio Lower Upper

122 100

105 8.3 107.2 147.2#

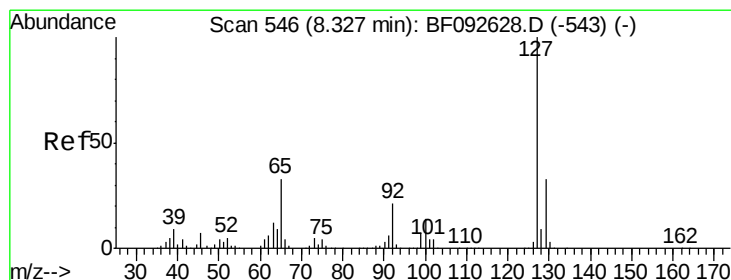
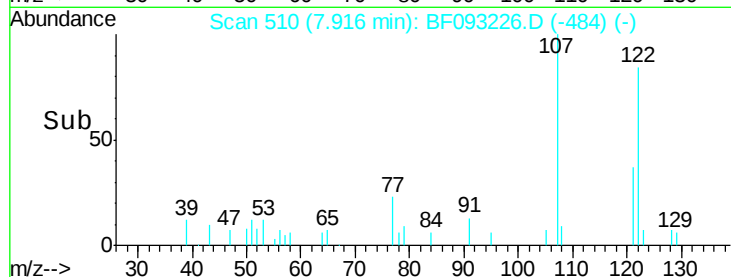
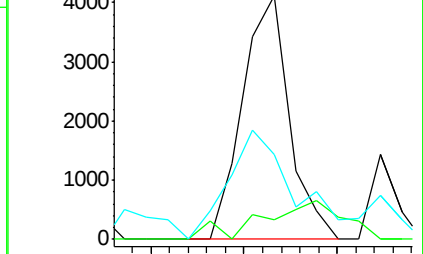
77 35.1 74.5 114.5#



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: 2.75 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.06 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Tgt Ion:127 Resp: 32572

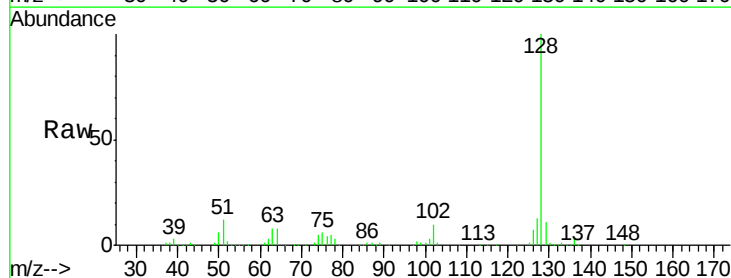
Ion Ratio Lower Upper

127 100

129 85.0 26.3 39.5#

65 0.0 25.8 38.8#

92 0.0 16.1 24.1#

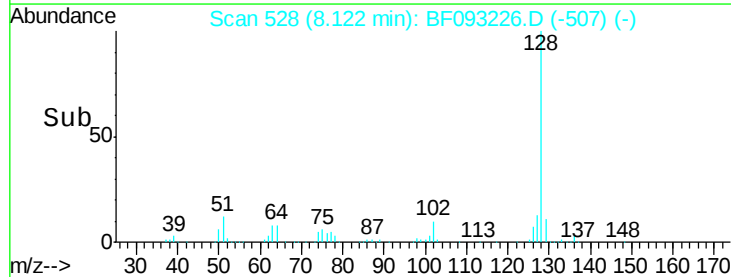
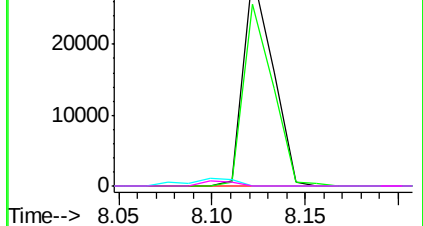


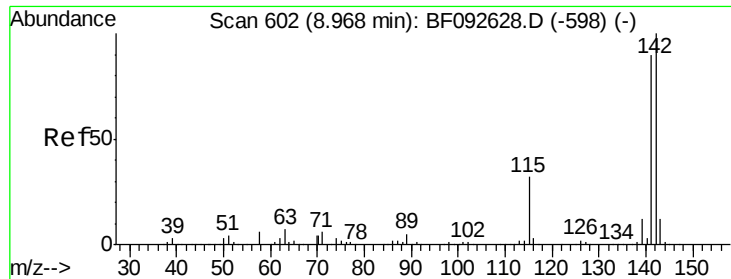
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

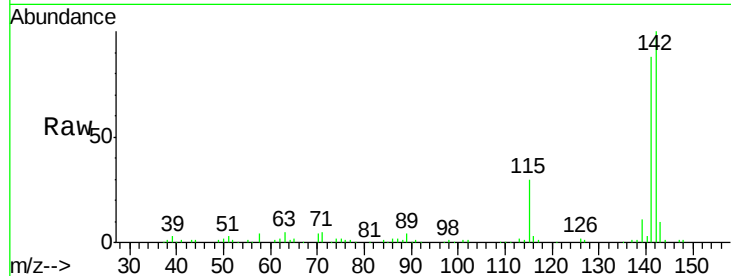




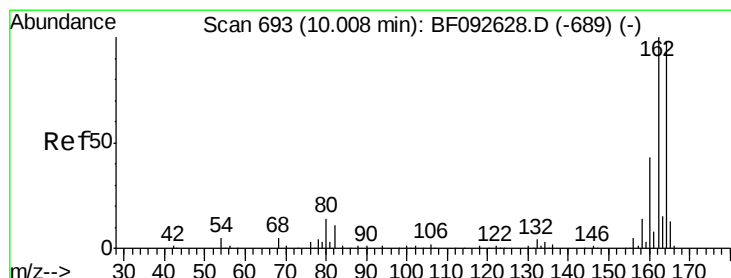
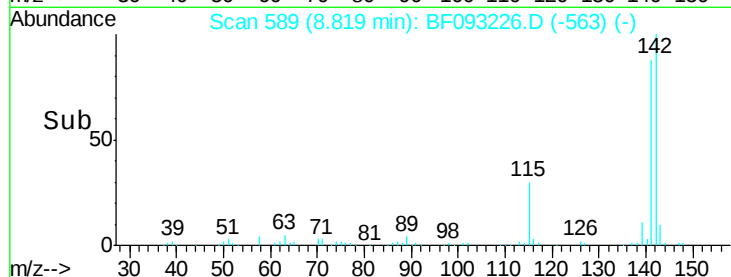
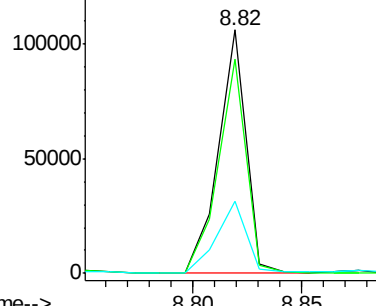
#37
 2-Methylnaphthalene
 Concen: 4.87 ng
 RT: 8.82 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: BF093226.D
 Acq: 28 Feb 2017 1:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-W4-WSW

Tgt Ion:142 Resp: 94386
 Ion Ratio Lower Upper
 142 100
 141 88.0 71.0 106.6
 115 29.9 28.3 42.5

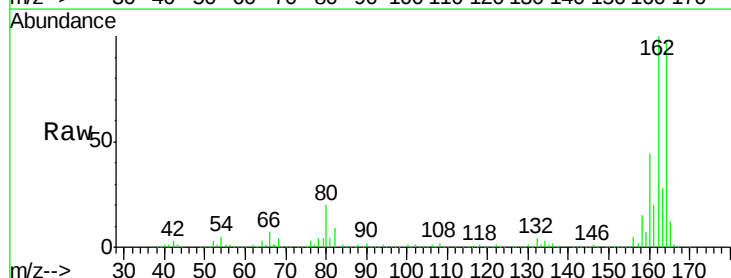


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

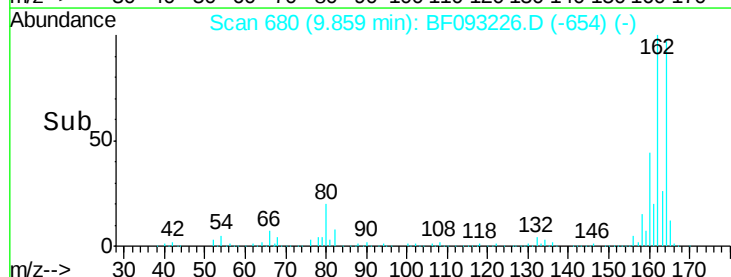
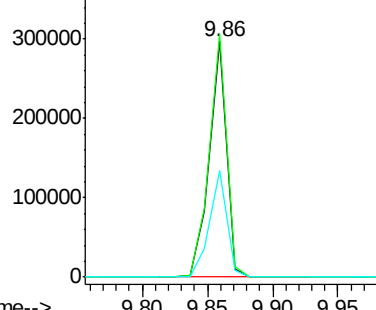


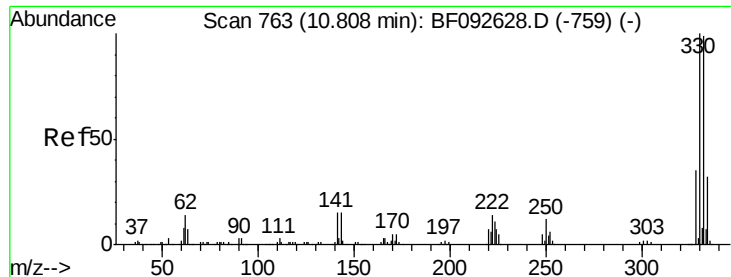
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.86 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: BF093226.D
 Acq: 28 Feb 2017 1:14

Tgt Ion:164 Resp: 270831
 Ion Ratio Lower Upper
 164 100
 162 103.2 80.2 120.2
 160 45.2 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

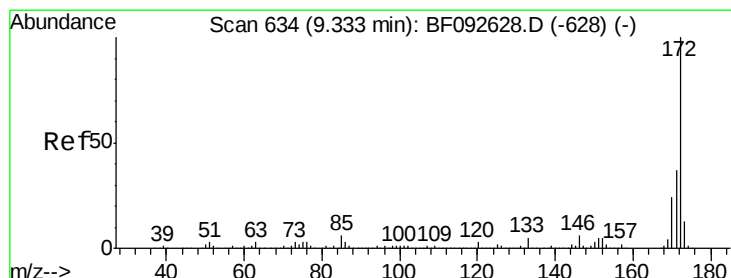
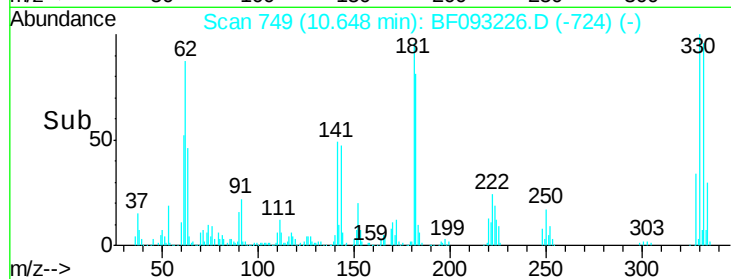
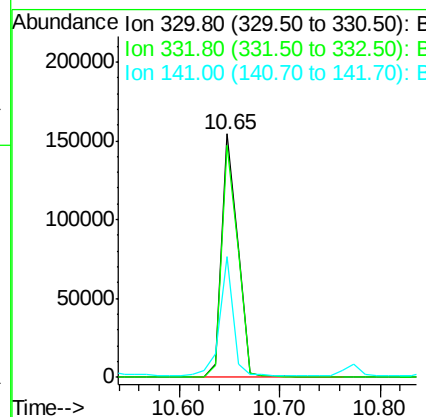
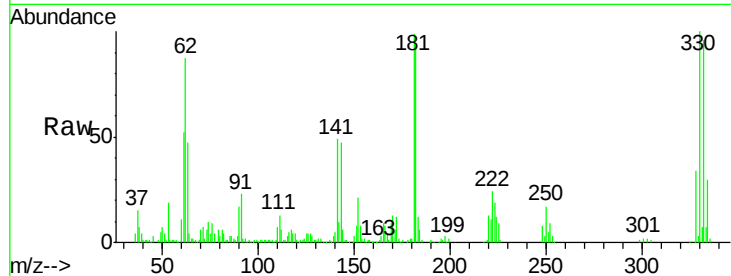




#41
 2,4,6-Tribromophenol
 Concen: 87.34 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.01 min
 Lab File: BF093226.D
 Acq: 28 Feb 2017 1:14

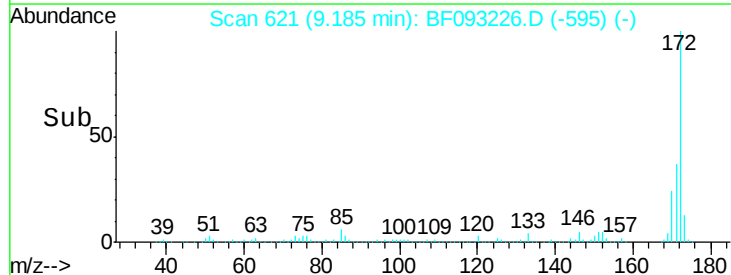
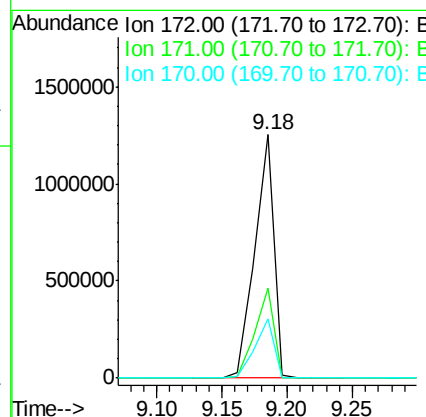
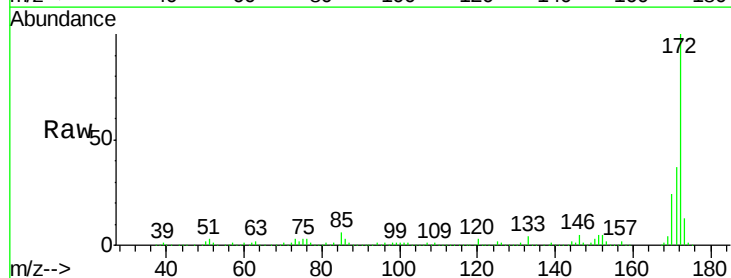
Instrument :
 BNA_F
 ClientSampleId :
 E2-W4-WSW

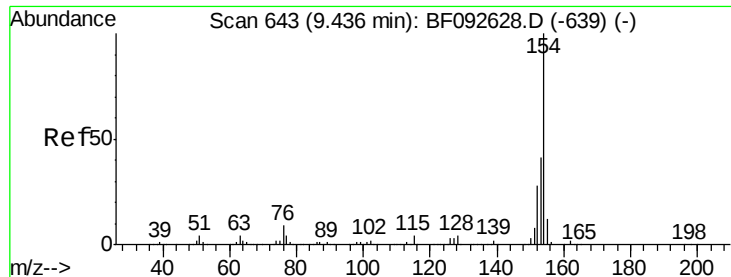
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.4	116.2
141	42.0	34.1	51.1



#44
 2-Fluorobiphenyl
 Concen: 85.45 ng
 RT: 9.18 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BF093226.D
 Acq: 28 Feb 2017 1:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.4	44.0
170	24.3	20.2	30.4

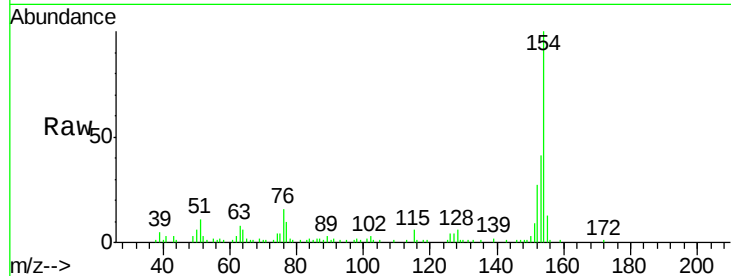




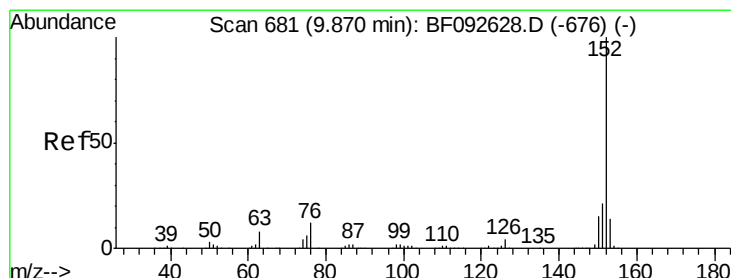
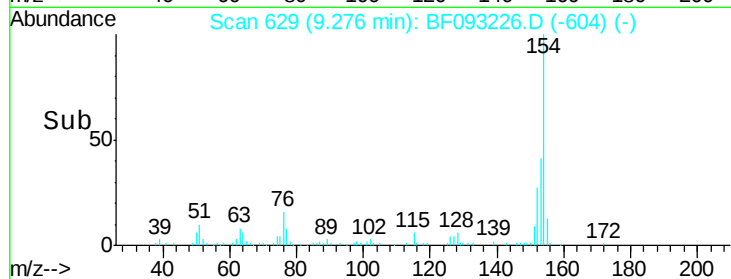
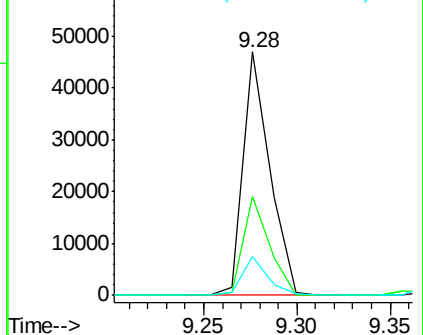
#45
 1,1'-Biphenyl
 Concen: 2.37 ng
 RT: 9.28 min Scan# 629
 Delta R.T. -0.01 min
 Lab File: BF093226.D
 Acq: 28 Feb 2017 1:14

Instrument :
 BNA_F
 ClientSampleId :
 E2-W4-WSW

Tgt Ion:	154	Resp:	46569
Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.9	60.9
76	16.0	0.0	30.5

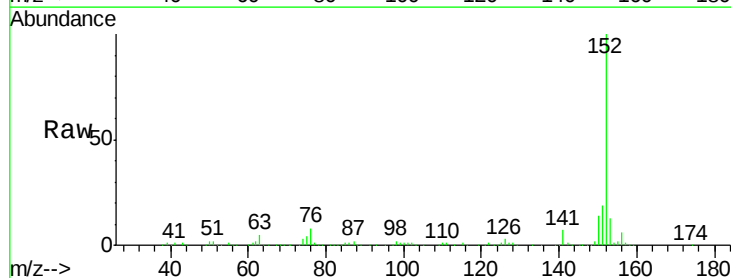


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

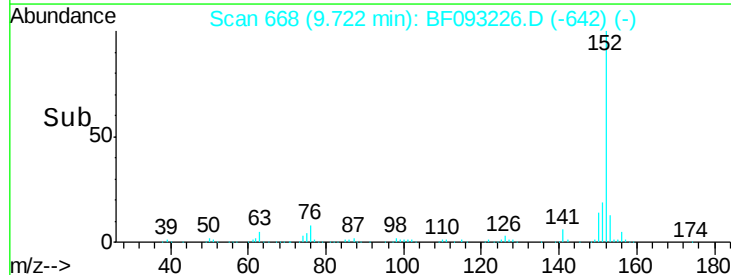
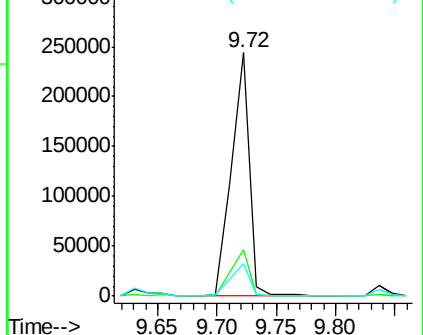


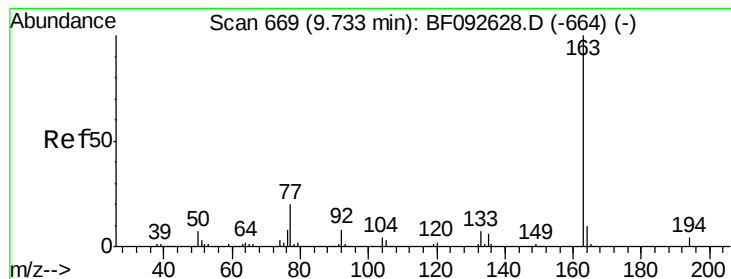
#48
 Acenaphthylene
 Concen: 9.67 ng
 RT: 9.72 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: BF093226.D
 Acq: 28 Feb 2017 1:14

Tgt Ion:	152	Resp:	256174
Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.9	25.3
153	13.3	11.4	17.2



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 21.91 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

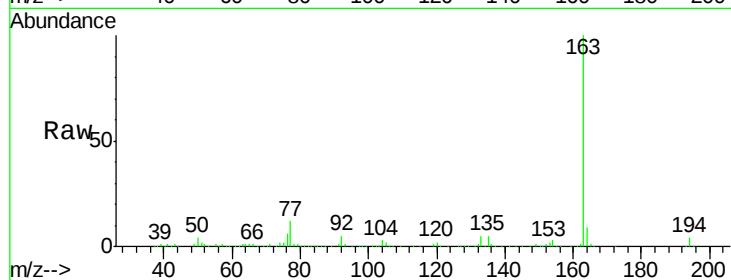
Tgt Ion:163 Resp: 399699

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.4

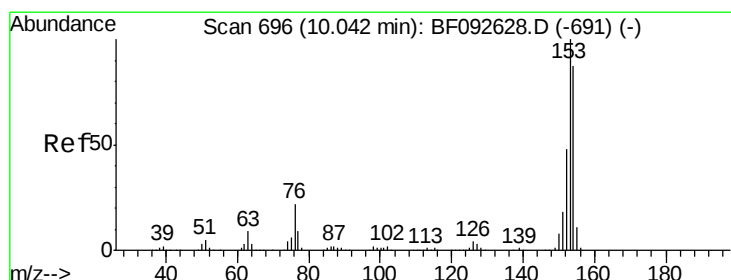
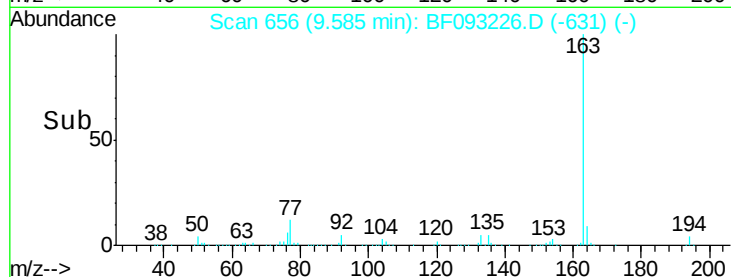
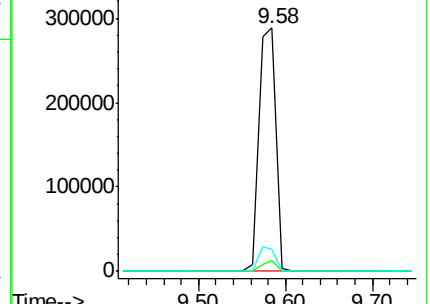
164 9.4 8.0 12.0



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



#51

Acenaphthene

Concen: 25.82 ng

RT: 9.89 min Scan# 683

Delta R.T. 0.00 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

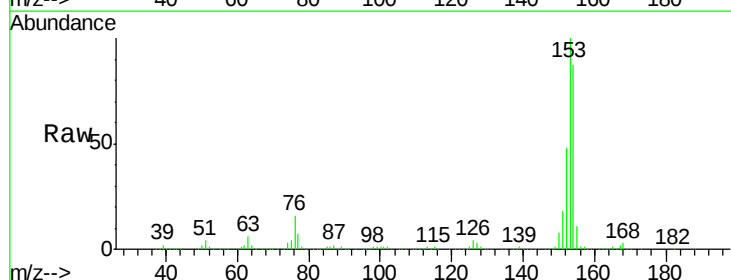
Tgt Ion:154 Resp: 409147

Ion Ratio Lower Upper

154 100

153 115.6 88.6 133.0

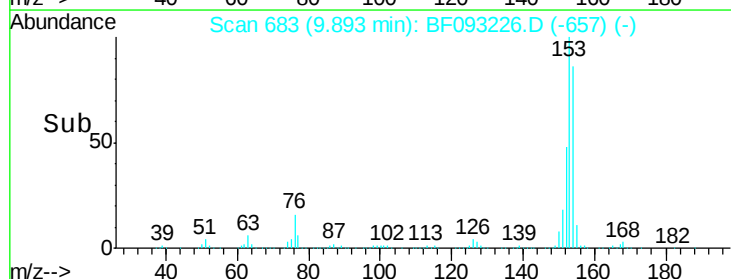
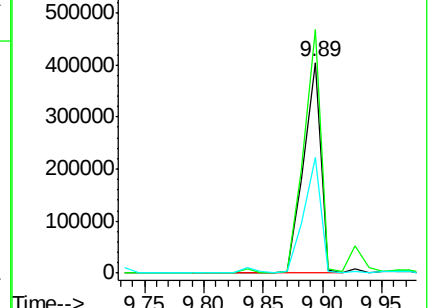
152 55.1 41.6 62.4

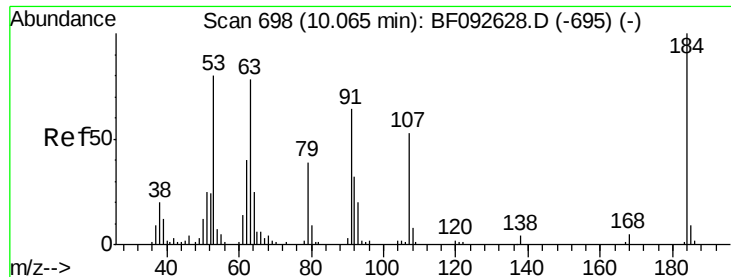


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

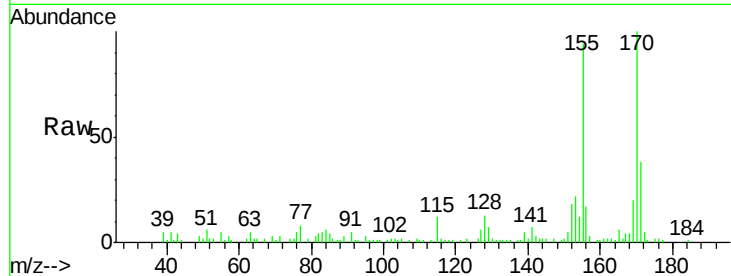




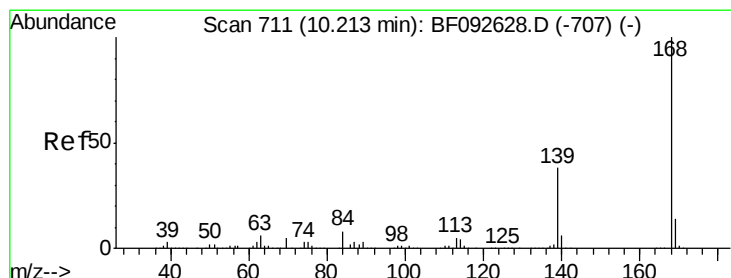
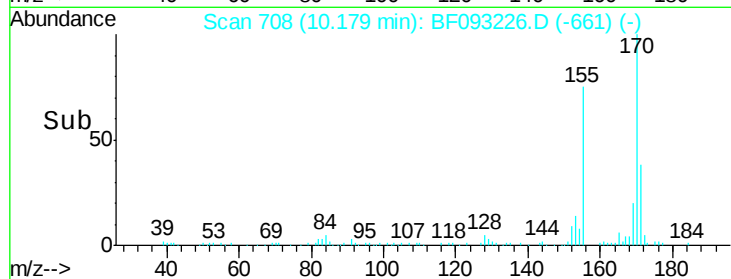
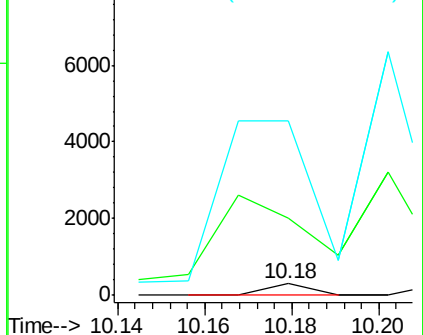
#53
2,4-Dinitrophenol
Concen: 4.83 ng
RT: 10.18 min Scan# 708
Delta R.T. 0.24 min
Lab File: BF093226.D
Acq: 28 Feb 2017 1:14

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSW

Tgt Ion:184 Resp: 206
Ion Ratio Lower Upper
184 100
63 671.4 28.4 42.6#
154 1510.6 44.3 66.5#

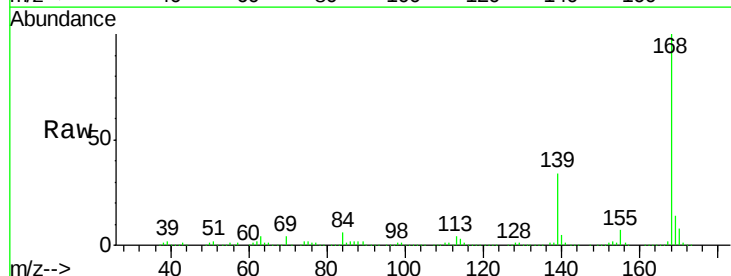


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

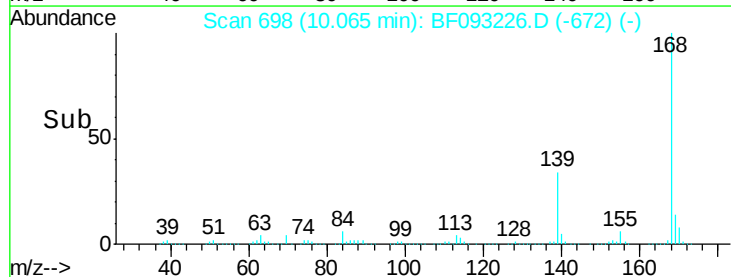
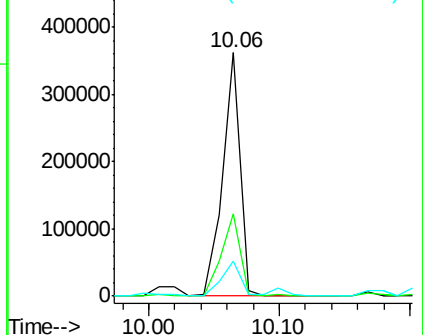


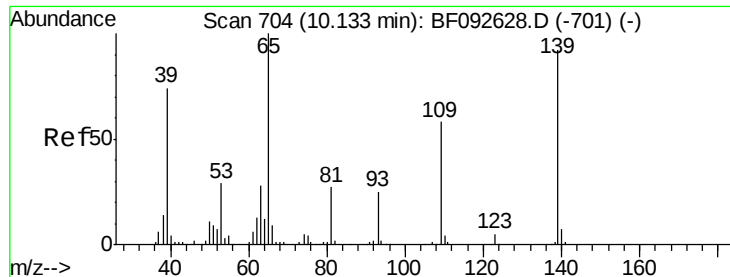
#54
Dibenzofuran
Concen: 16.11 ng
RT: 10.06 min Scan# 698
Delta R.T. 0.00 min
Lab File: BF093226.D
Acq: 28 Feb 2017 1:14

Tgt Ion:168 Resp: 341316
Ion Ratio Lower Upper
168 100
139 33.8 32.6 49.0
169 14.2 11.3 16.9



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 38.64 ng

RT: 10.06 min Scan# 698

Delta R.T. 0.06 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

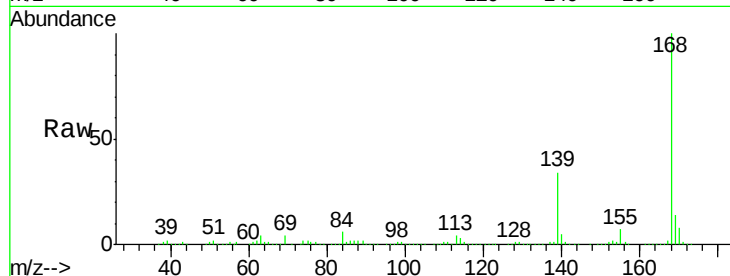
Tgt Ion:139 Resp: 125462

Ion Ratio Lower Upper

139 100

109 1.1 52.2 92.2#

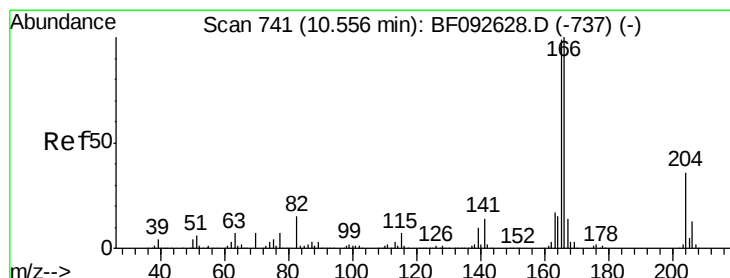
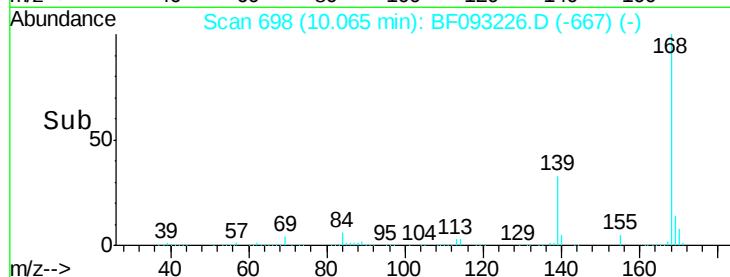
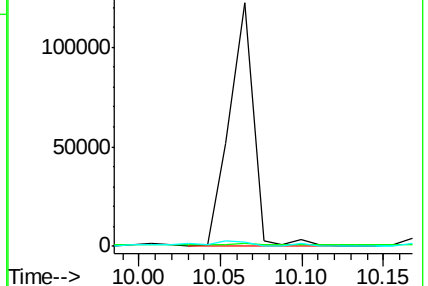
65 1.6 85.8 125.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#57

Fluorene

Concen: 25.88 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.00 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

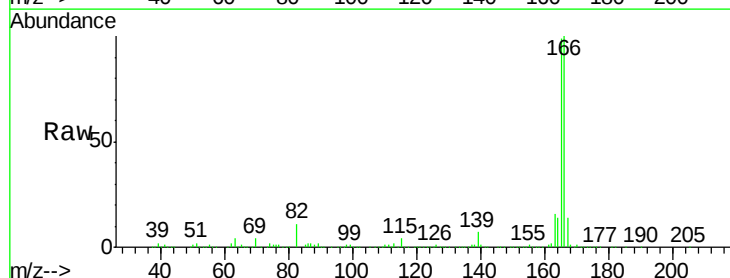
Tgt Ion:166 Resp: 421937

Ion Ratio Lower Upper

166 100

165 99.0 77.8 116.8

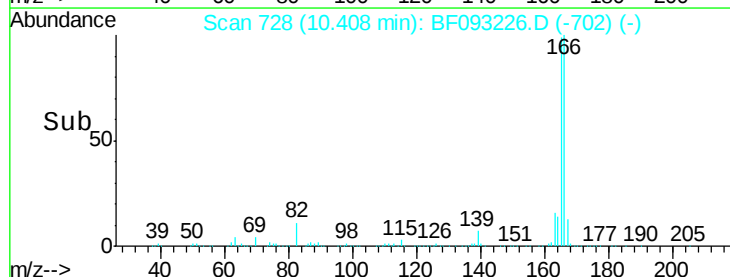
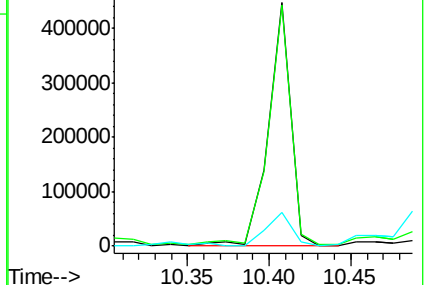
167 14.1 10.8 16.2

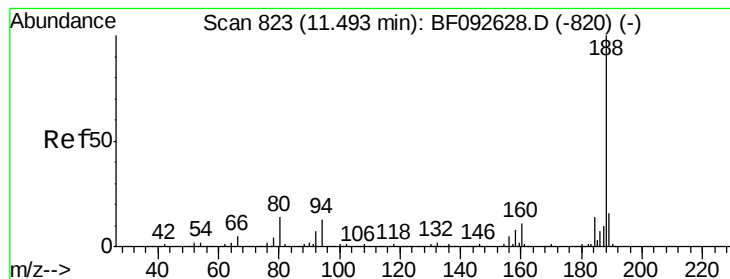


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.35 min Scan# 810

Delta R.T. 0.00 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

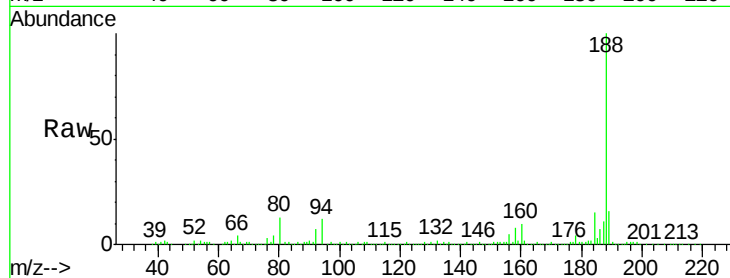
Tgt Ion:188 Resp: 395916

Ion Ratio Lower Upper

188 100

94 12.5 10.0 15.0

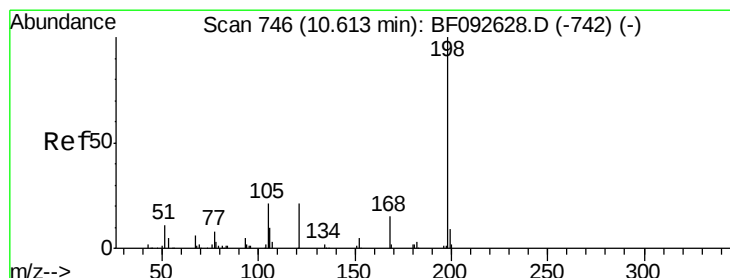
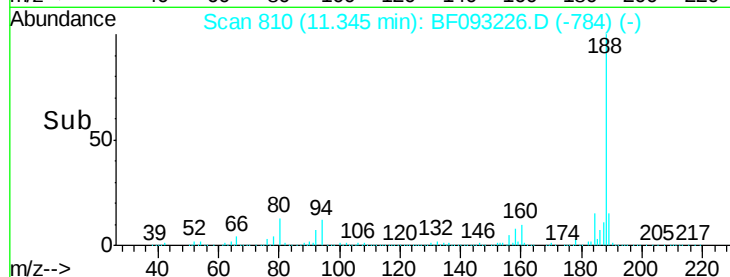
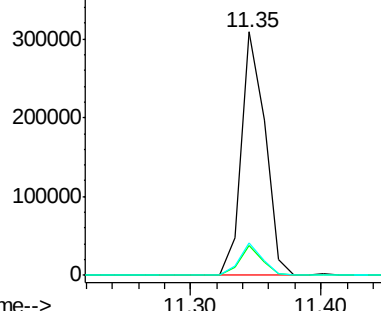
80 13.4 11.2 16.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 2.86 ng

RT: 10.65 min Scan# 749

Delta R.T. 0.17 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

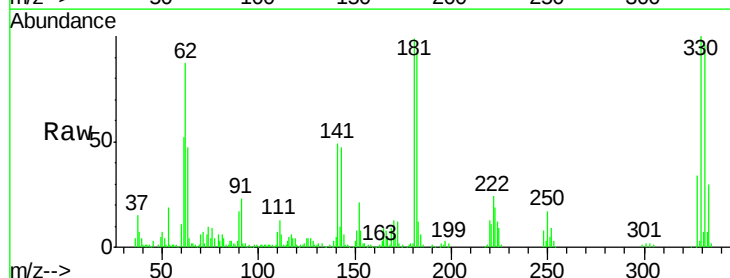
Tgt Ion:198 Resp: 485

Ion Ratio Lower Upper

198 100

51 931.5 6.7 46.7#

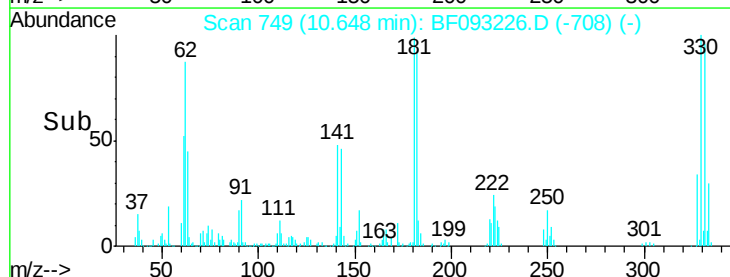
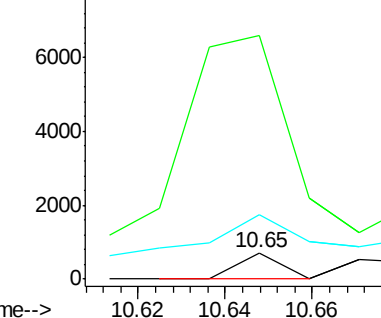
105 244.4 16.6 56.6#

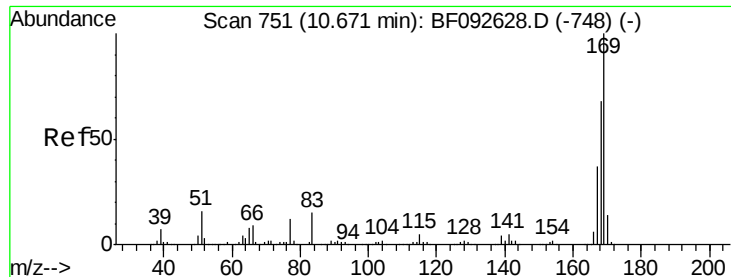


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 2.33 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.03 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

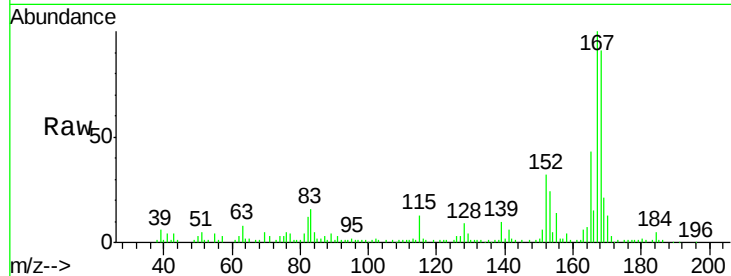
Tgt Ion:169 Resp: 29453

Ion Ratio Lower Upper

169 100

168 424.5 54.2 81.2#

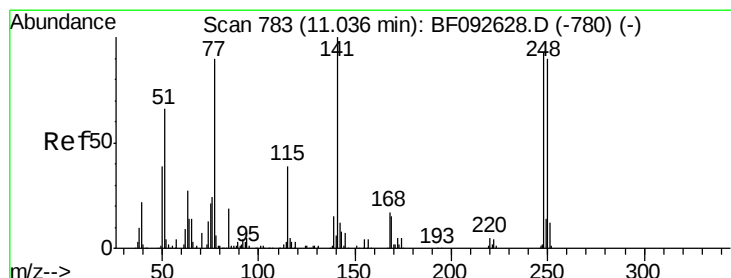
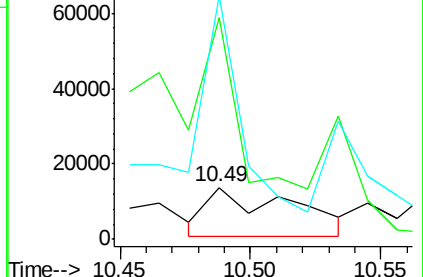
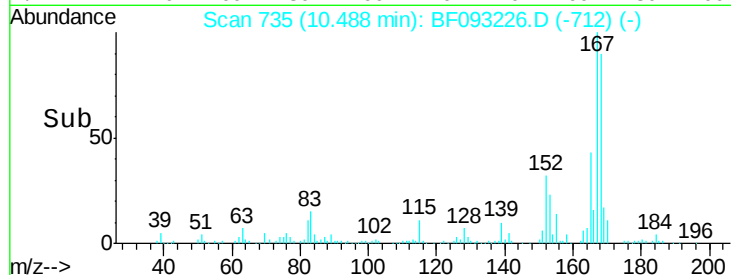
167 465.9 30.2 45.4#



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



#66

4-Bromophenyl-phenylether

Concen: 2.95 ng

RT: 10.65 min Scan# 749

Delta R.T. -0.24 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

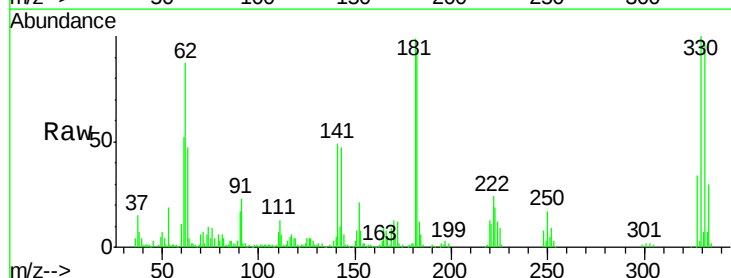
Tgt Ion:248 Resp: 12202

Ion Ratio Lower Upper

248 100

250 201.4 76.9 115.3#

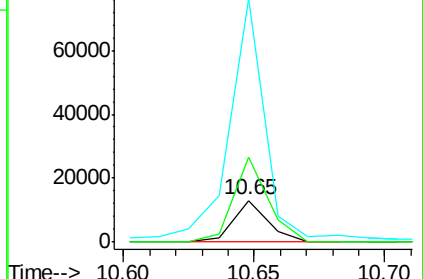
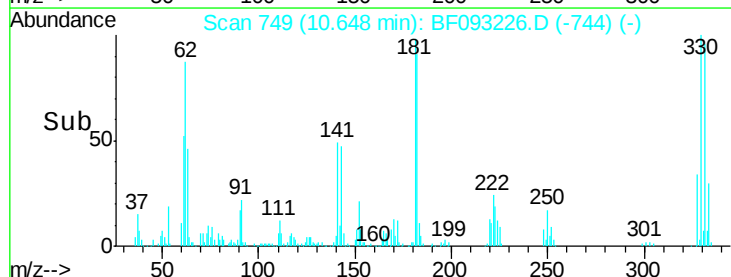
141 581.0 68.2 102.4#

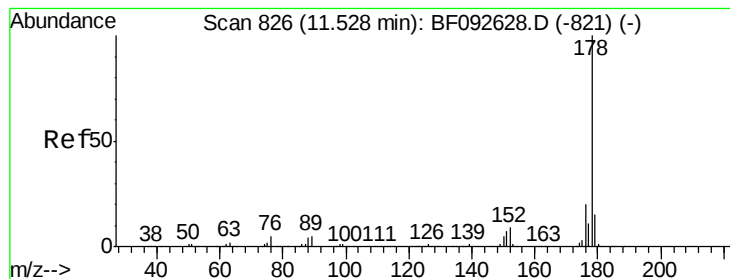


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 198.31 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

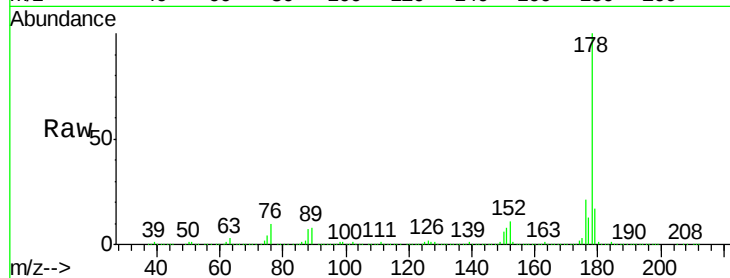
Tgt Ion:178 Resp: 4498115

Ion Ratio Lower Upper

178 100

176 20.8 16.6 25.0

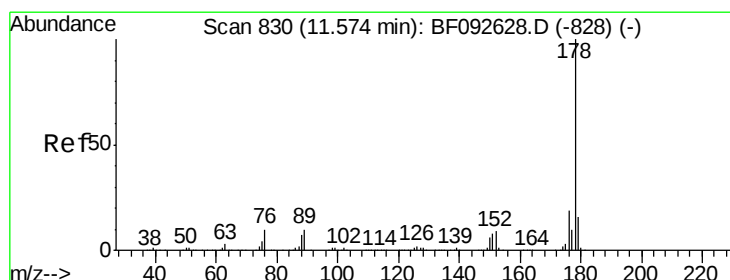
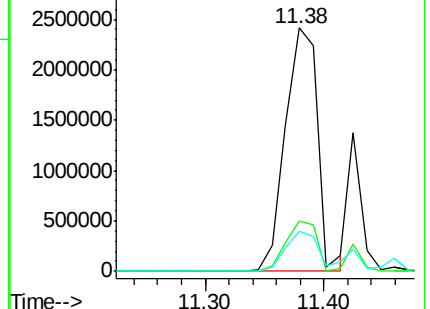
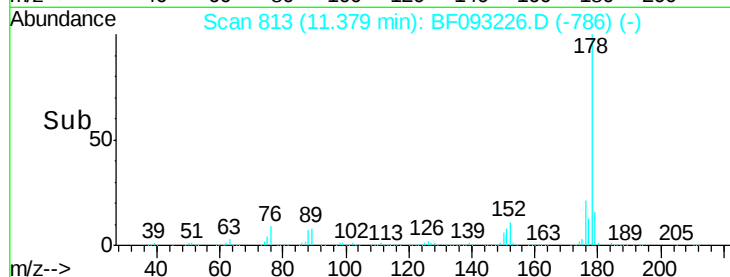
179 16.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 50.27 ng

RT: 11.43 min Scan# 817

Delta R.T. 0.00 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

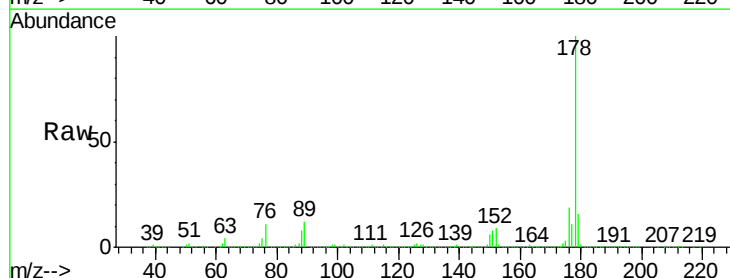
Tgt Ion:178 Resp: 1145169

Ion Ratio Lower Upper

178 100

176 19.5 15.9 23.9

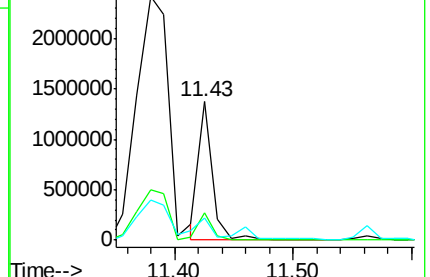
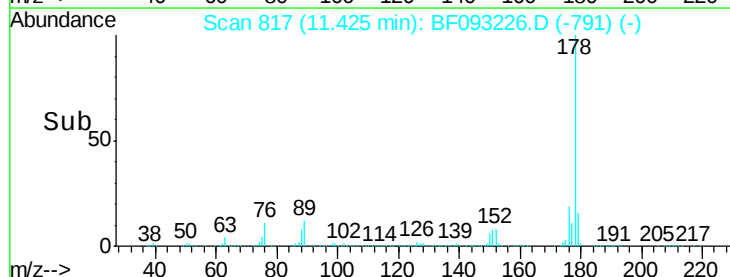
179 16.0 13.2 19.8

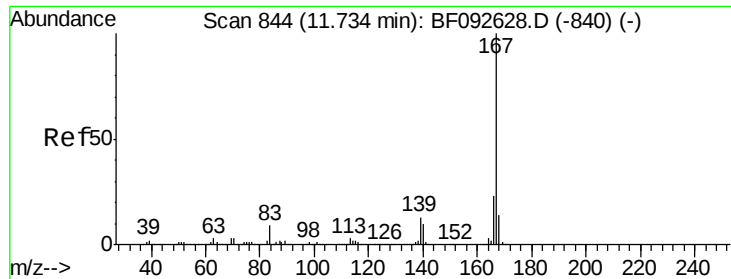


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 19.20 ng

RT: 11.59 min Scan# 831

Delta R.T. 0.00 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

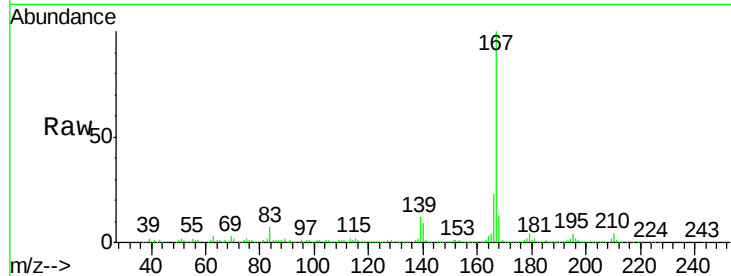
Tgt Ion:167 Resp: 418109

Ion Ratio Lower Upper

167 100

166 22.8 18.2 27.2

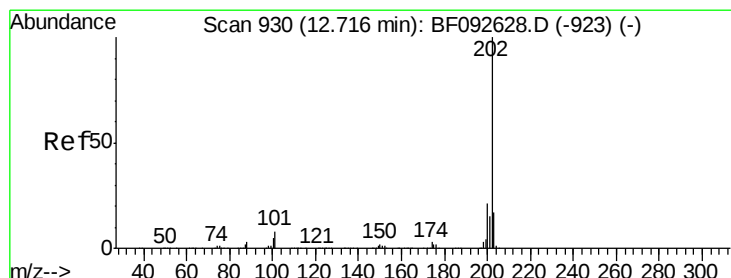
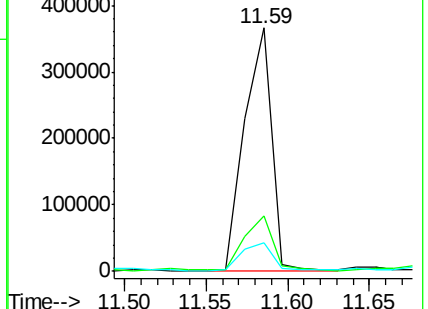
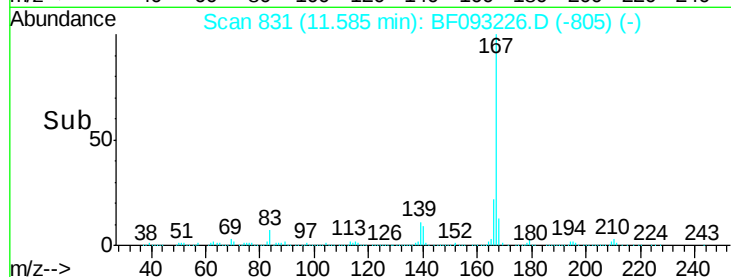
139 11.6 11.4 17.2



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 194.12 ng

RT: 12.58 min Scan# 918

Delta R.T. 0.02 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

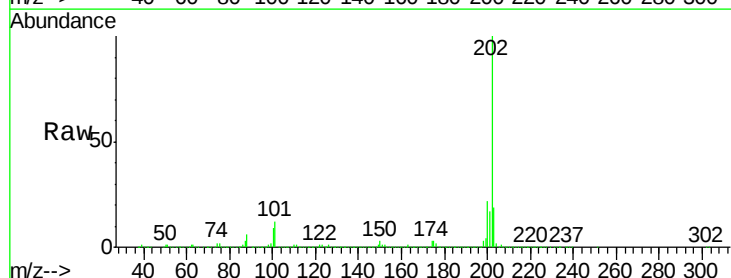
Tgt Ion:202 Resp: 4541866

Ion Ratio Lower Upper

202 100

101 11.7 0.0 34.6

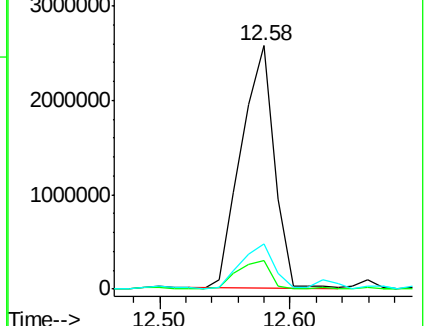
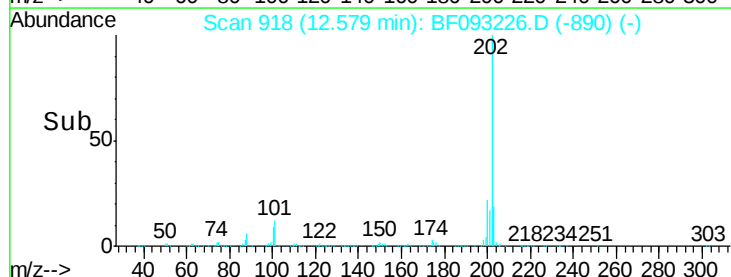
203 18.7 0.0 38.7

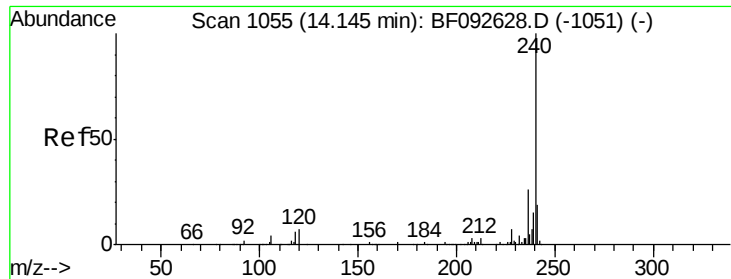


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 1042

Delta R.T. 0.01 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

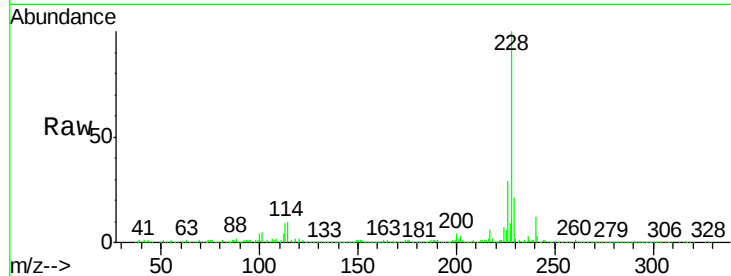
Tgt Ion:240 Resp: 242865

Ion Ratio Lower Upper

240 100

120 18.7 12.9 19.3

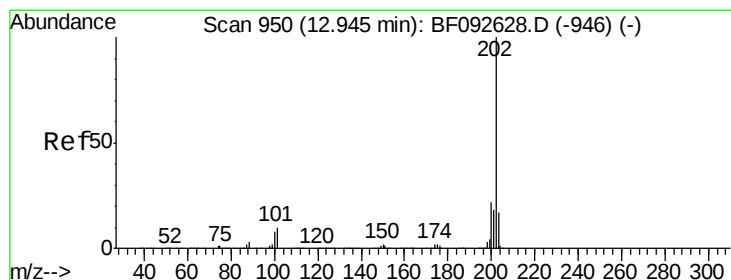
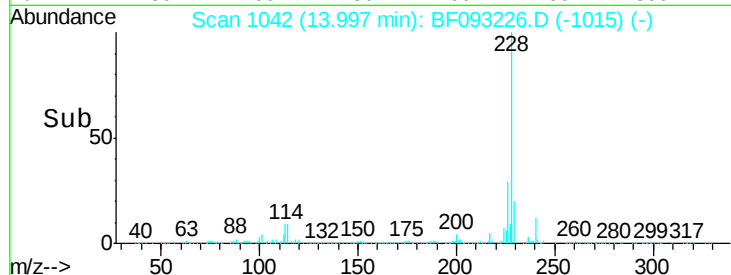
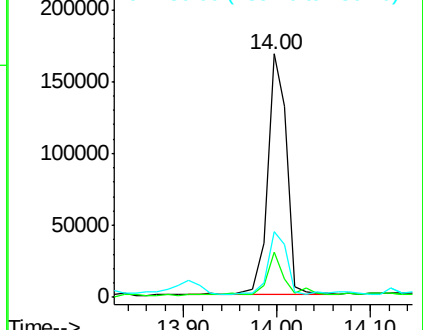
236 26.9 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 240.65 ng

RT: 12.81 min Scan# 938

Delta R.T. 0.02 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

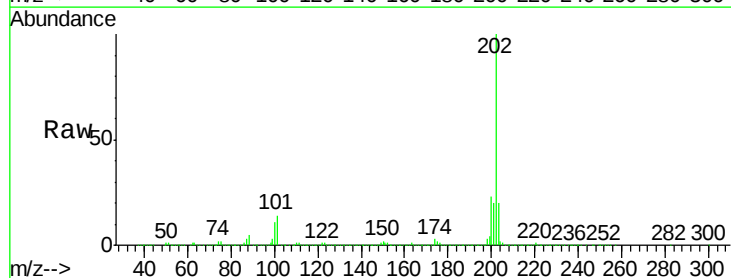
Tgt Ion:202 Resp: 4373849

Ion Ratio Lower Upper

202 100

200 22.9 17.7 26.5

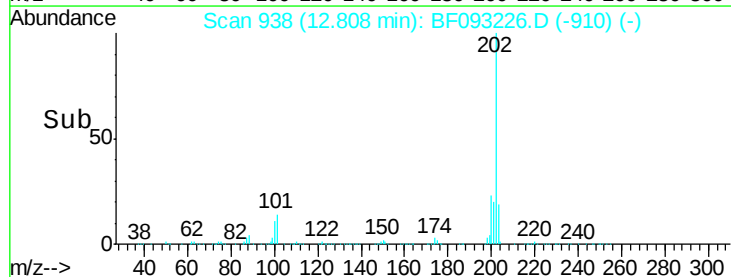
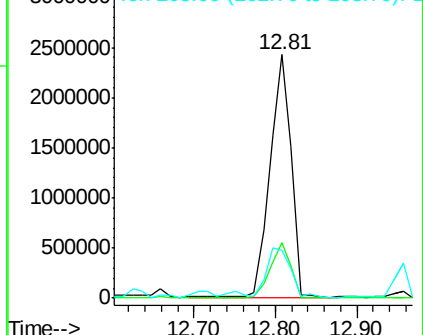
203 19.7 14.7 22.1

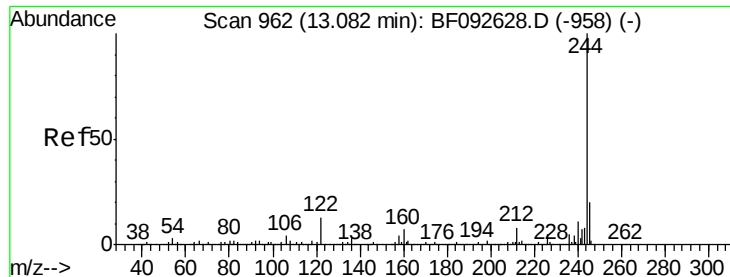


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

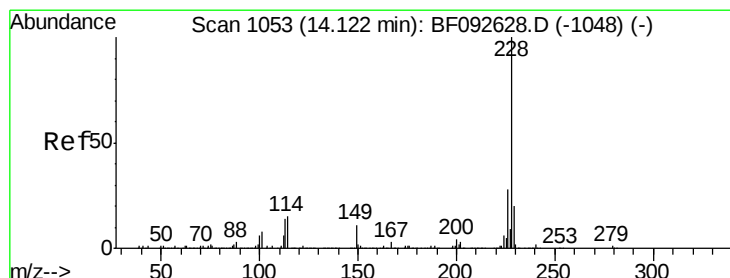
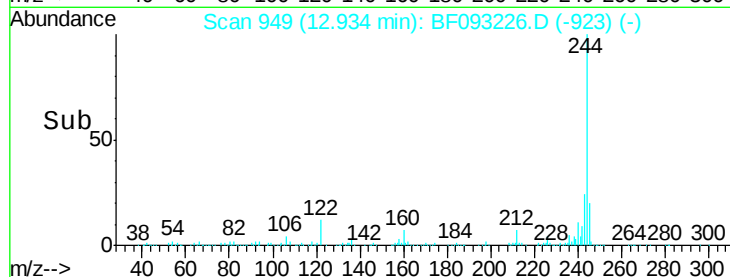
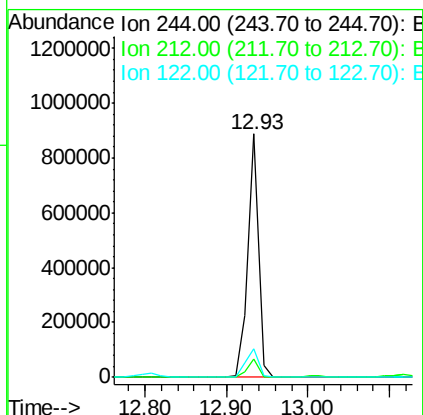
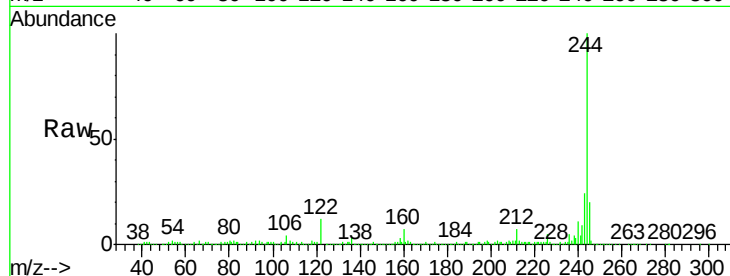




#78
 Terphenyl-d14
 Concen: 77.56 ng
 RT: 12.93 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: BF093226.D
 Acq: 28 Feb 2017 1:14

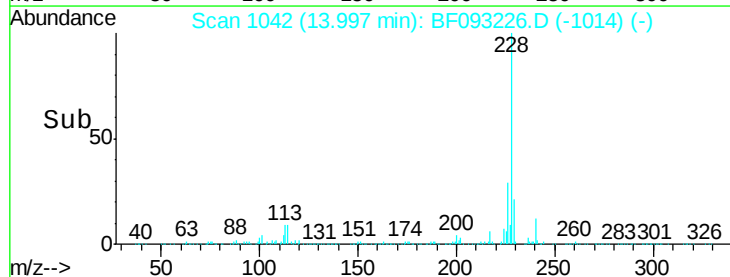
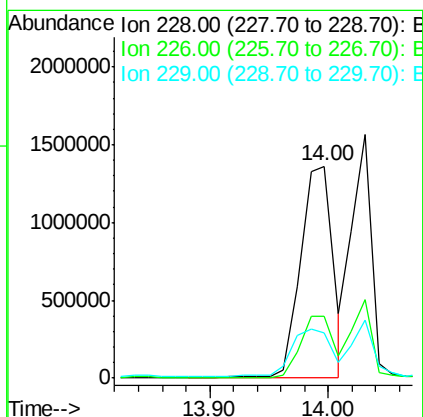
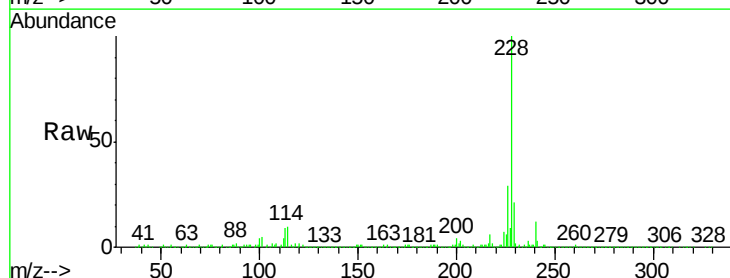
Instrument :
 BNA_F
 ClientSampleId :
 E2-W4-WSW

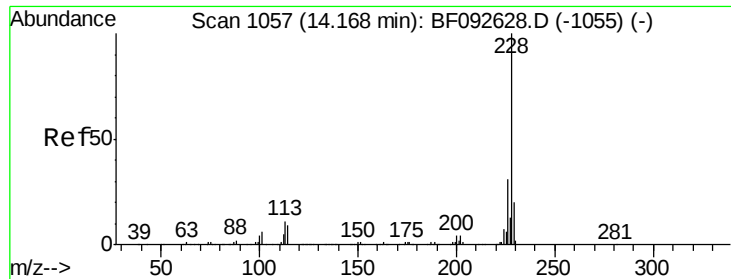
Tgt Ion:244 Resp: 801713
 Ion Ratio Lower Upper
 244 100
 212 7.4 6.2 9.2
 122 11.8 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 173.19 ng
 RT: 14.00 min Scan# 1042
 Delta R.T. 0.02 min
 Lab File: BF093226.D
 Acq: 28 Feb 2017 1:14

Tgt Ion:228 Resp: 2572562
 Ion Ratio Lower Upper
 228 100
 226 29.5 22.4 33.6
 229 21.4 16.2 24.4





#82

Chrysene

Concen: 184.98 ng

RT: 14.00 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

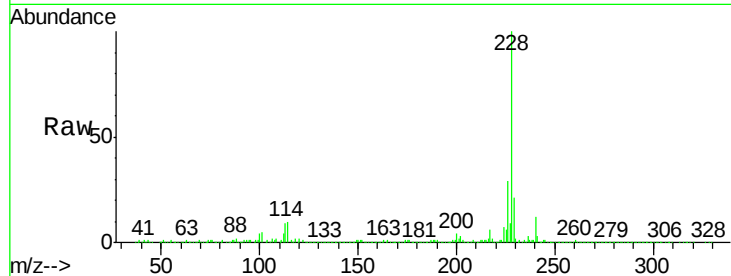
Tgt Ion:228 Resp: 2572562

Ion Ratio Lower Upper

228 100

226 29.5 25.4 38.0

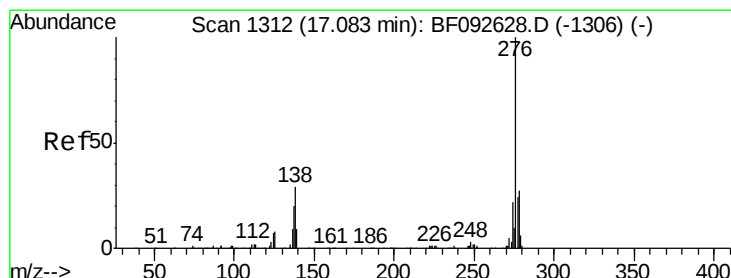
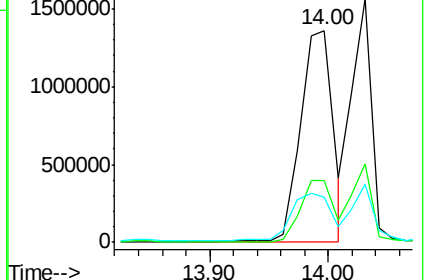
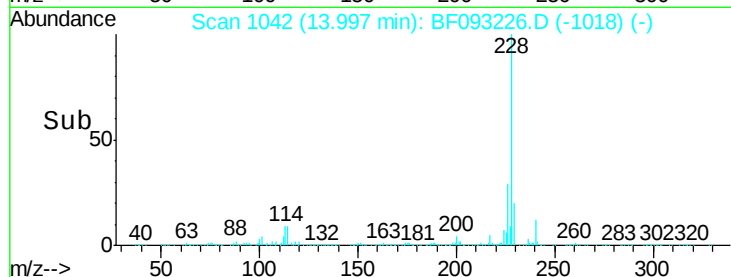
229 21.4 16.2 24.2



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 109.80 ng

RT: 16.85 min Scan# 1292

Delta R.T. 0.03 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

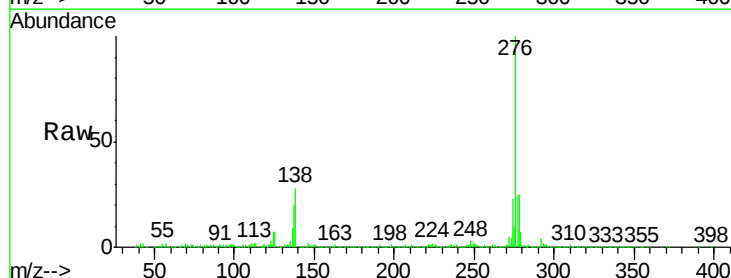
Tgt Ion:276 Resp: 1182788

Ion Ratio Lower Upper

276 100

138 26.9 21.8 32.6

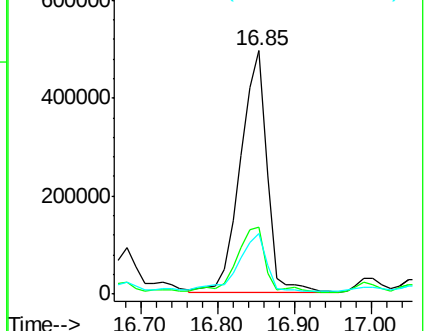
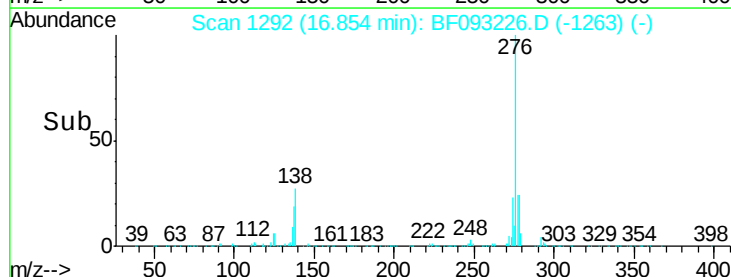
277 25.2 20.2 30.4

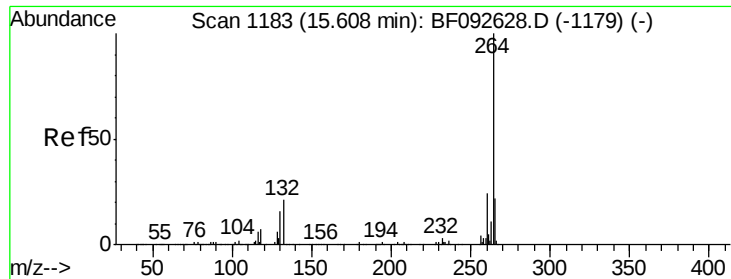


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

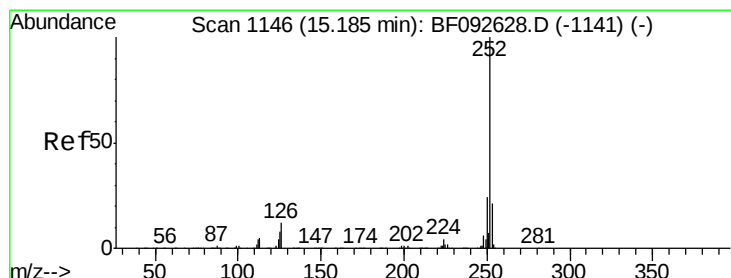
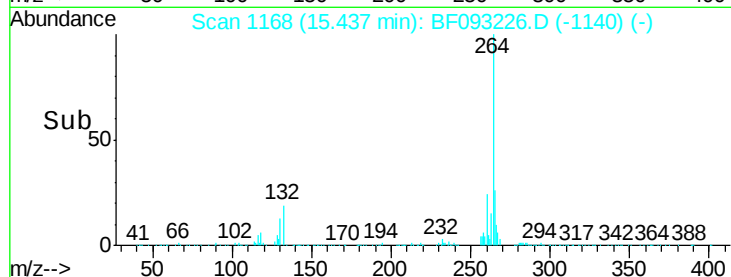
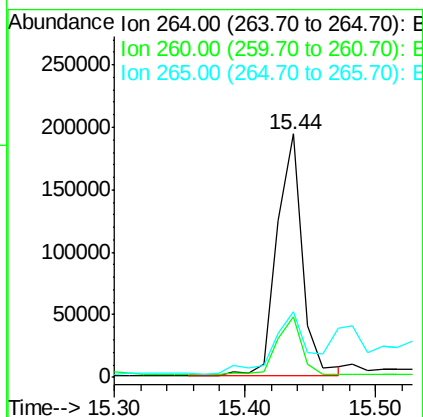
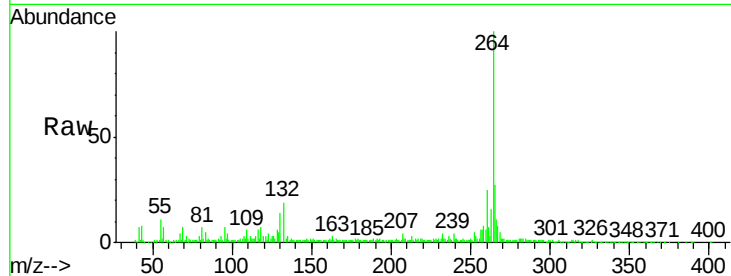




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. 0.02 min
Lab File: BF093226.D
Acq: 28 Feb 2017 1:14

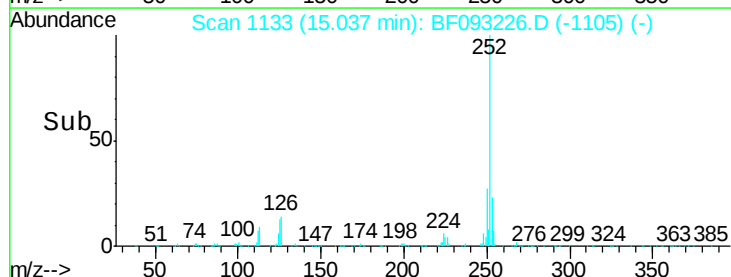
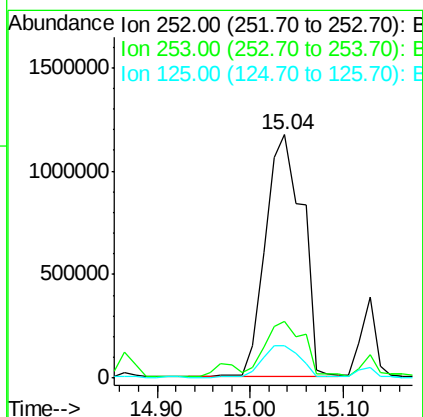
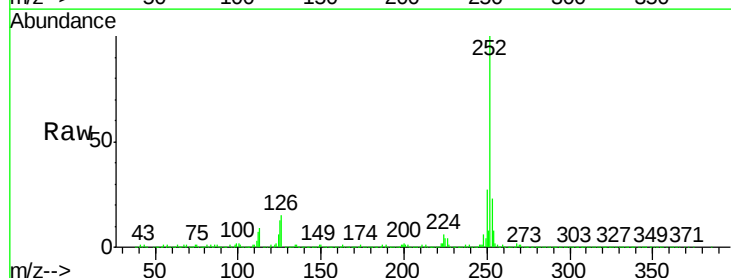
Instrument :
BNA_F
ClientSampleId :
E2-W4-WSW

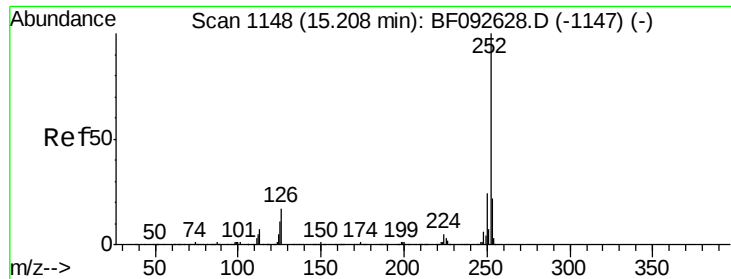
Tgt Ion:264 Resp: 263570
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 26.9 17.4 26.0#



#87
Benzo(b)fluoranthene
Concen: 187.27 ng
RT: 15.04 min Scan# 1133
Delta R.T. 0.02 min
Lab File: BF093226.D
Acq: 28 Feb 2017 1:14

Tgt Ion:252 Resp: 3248858
Ion Ratio Lower Upper
252 100
253 23.3 18.2 27.4
125 13.3 9.8 14.6





#88

Benzo(k)fluoranthene

Concen: 216.90 ng

RT: 15.04 min Scan# 1133

Delta R.T. 0.00 min

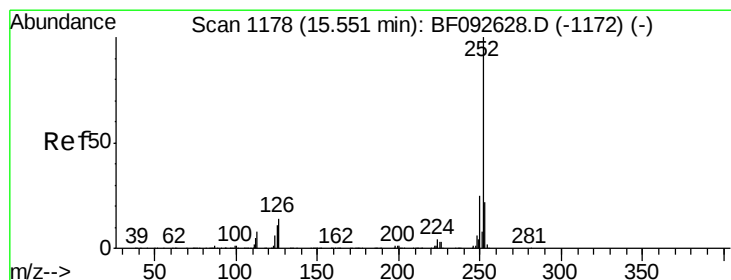
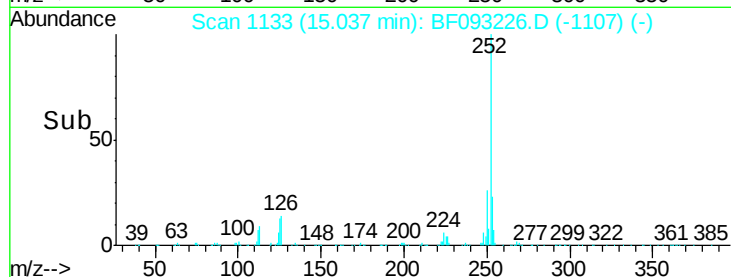
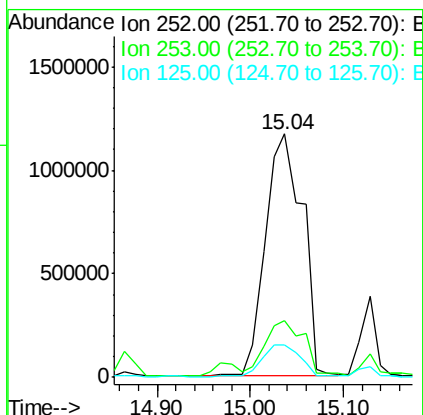
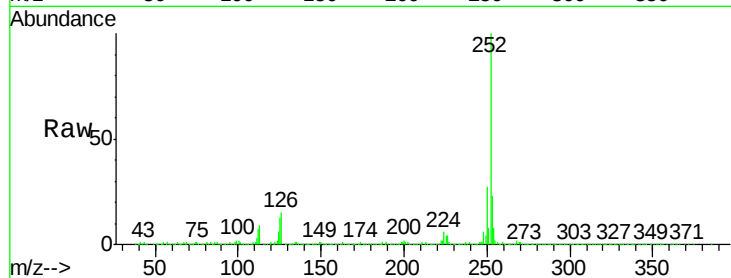
Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :
BNA_F
ClientSampleId :
E2-W4-WSW

Tgt Ion:252 Resp: 3248858

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.5	27.7
125	13.3	8.9	13.3



#89

Benzo(a)pyrene

Concen: 123.44 ng

RT: 15.39 min Scan# 1164

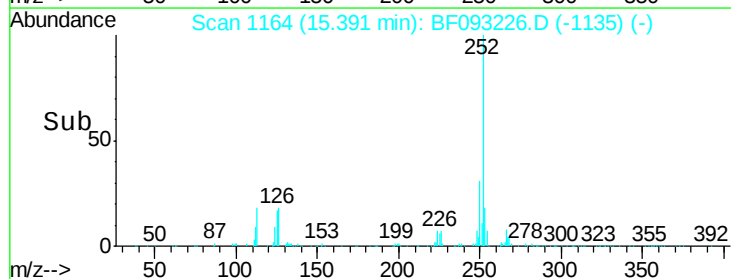
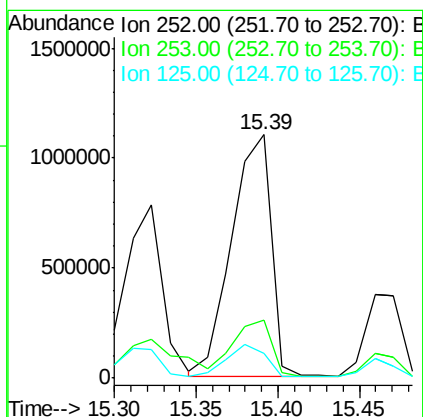
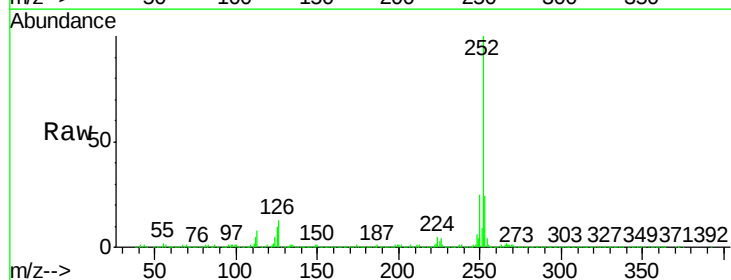
Delta R.T. 0.03 min

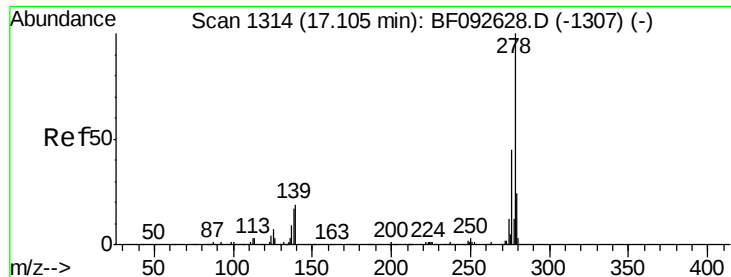
Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Tgt Ion:252 Resp: 1852427

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.2	27.2
125	10.2	10.0	15.0





#90

Dibenzo(a,h)anthracene

Concen: 19.66 ng

RT: 17.00 min Scan# 1305

Delta R.T. 0.17 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

Instrument :

BNA_F

ClientSampleId :

E2-W4-WSW

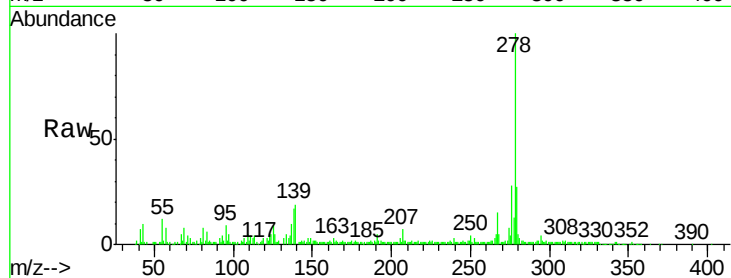
Tgt Ion:278 Resp: 238403

Ion Ratio Lower Upper

278 100

139 19.3 14.8 22.2

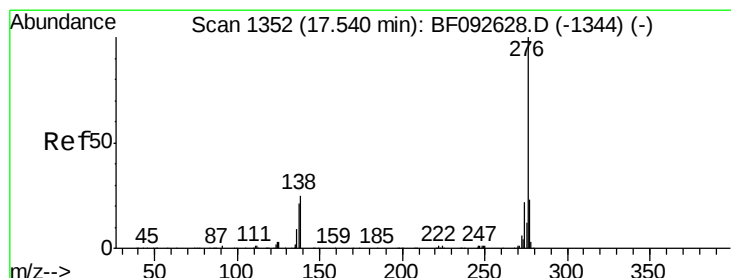
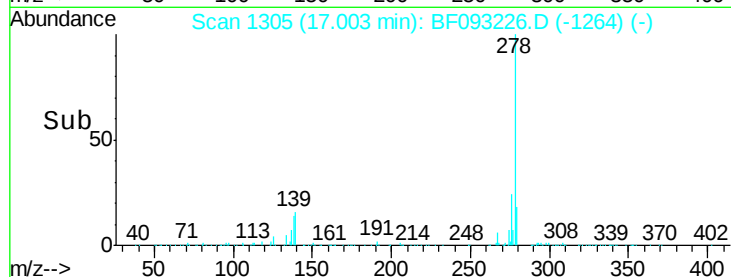
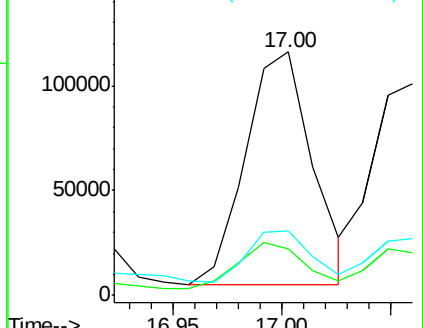
279 26.7 19.8 29.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 92.50 ng

RT: 17.29 min Scan# 1330

Delta R.T. 0.05 min

Lab File: BF093226.D

Acq: 28 Feb 2017 1:14

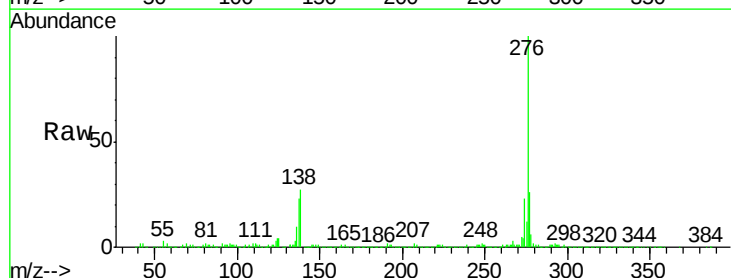
Tgt Ion:276 Resp: 1133286

Ion Ratio Lower Upper

276 100

277 26.2 19.2 28.8

138 26.9 16.0 24.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

