

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093597.D
 Acq On : 12 Mar 2017 8:05
 Operator : SJ/MA
 Sample : I2010-07
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412A

Quant Time: Mar 13 18:36:18 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF030717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 13 15:05:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	171228	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	596900	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	204547	20.00	ng	0.01
63) Phenanthrene-d10	11.26	188	325014	20.00	ng	0.01
75) Chrysene-d12	13.89	240	333271	20.00	ng	0.00
86) Perylene-d12	15.29	264	278259	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1058840	102.92	ng	0.00
7) Phenol-d6	6.39	99	1428186	110.08	ng	0.01
23) Nitrobenzene-d5	7.30	82	767869	71.38	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	128608	96.50	ng	0.02
44) 2-Fluorobiphenyl	9.09	172	978147	88.95	ng	0.00
78) Terphenyl-d14	12.84	244	698940	54.53	ng	0.01

Target Compounds

						Qvalue
10) Phenol	6.40	94	95427	6.00	ng	98
15) Benzyl Alcohol	6.88	79	32462	3.51	ng	# 41
18) Hexachloroethane	7.27	117	47784	10.49	ng	# 44
19) n-Nitroso-di-n-propylamine	7.18	70	865991	97.09	ng	# 52
25) Isophorone	7.53	82	121458	5.60	ng	# 1
26) 2-Nitrophenol	7.68	139	59196	10.73	ng	# 53
31) Naphthalene	8.04	128	237641	7.94	ng	# 82
33) 4-Chloroaniline	8.14	127	29628	2.44	ng	# 47
35) Caprolactam	8.45	113	186722	64.76	ng	# 1
36) 4-Chloro-3-methylphenol	8.64	107	36718	4.07	ng	# 39
37) 2-Methylnaphthalene	8.73	142	100630	5.29	ng	# 91
42) 2,4,6-Trichlorophenol	9.01	196	19816	5.68	ng	# 9
43) 2,4,5-Trichlorophenol	9.01	196	19816	5.29	ng	# 1
47) 2-Nitroaniline	9.32	65	9653	2.39	ng	# 29
48) Acenaphthylene	9.64	152	69086	3.67	ng	# 20
49) Dimethylphthalate	9.49	163	94130	6.94	ng	# 55
50) 2,6-Dinitrotoluene	9.54	165	66611	22.39	ng	# 75
51) Acenaphthene	9.81	154	117262	10.54	ng	# 87
52) 3-Nitroaniline	9.72	138	37339	10.44	ng	# 30
54) Dibenzofuran	9.98	168	106818	7.67	ng	# 43
55) 4-Nitrophenol	9.98	139	63500	36.57	ng	# 34
56) 2,4-Dinitrotoluene	9.98	165	14834	4.06	ng	# 59
57) Fluorene	10.32	166	220085	18.65	ng	# 88
58) 2,3,4,6-Tetrachlorophenol	10.08	232	6564	2.48	ng	# 35
61) 4-Nitroaniline	10.22	138	36322	9.93	ng	# 87
62) Azobenzene	10.47	77	70268	4.77	ng	# 1
65) n-Nitrosodiphenylamine	10.44	169	382992	35.29	ng	# 46
68) Atrazine	10.97	200	21350	6.72	ng	# 1
69) Pentachlorophenol	11.08	266	2882	2.54	ng	# 36
70) Phenanthrene	11.28	178	395242	21.30	ng	# 91
71) Anthracene	11.34	178	149379	7.96	ng	# 85
72) Carbazole	11.50	167	36060	2.05	ng	# 23
74) Fluoranthene	12.47	202	792170	44.21	ng	# 97
77) Pyrene	12.70	202	889251	36.69	ng	# 100

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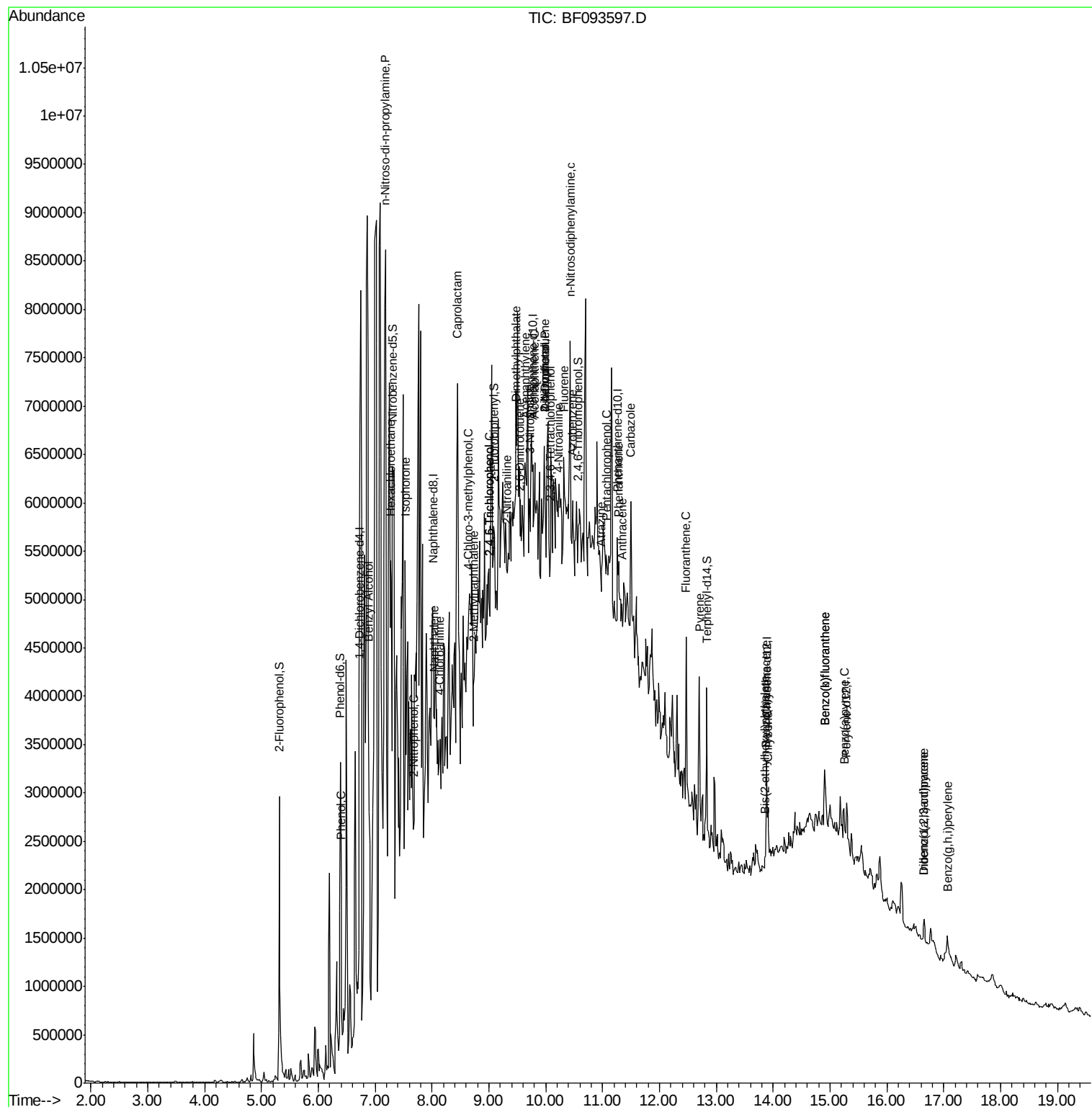
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) Benzo(a)anthracene	13.88	228	393966	20.02	ng	97
82) Chrysene	13.91	228	290387	15.95	ng	96
83) Bis(2-ethylhexyl)phthalate	13.85	149	51237	3.60	ng	# 93
85) Indeno(1,2,3-cd)pyrene	16.65	276	199754	13.11	ng	97
87) Benzo(b)fluoranthene	14.91	252	546796	32.27	ng	# 93
88) Benzo(k)fluoranthene	14.91	252	546796	33.46	ng	# 92
89) Benzo(a)pyrene	15.25	252	280043	18.08	ng	# 89
90) Dibenzo(a,h)anthracene	16.65	278	41274	3.22	ng	# 58
91) Benzo(g,h,i)perylene	17.07	276	193968	14.75	ng	# 86

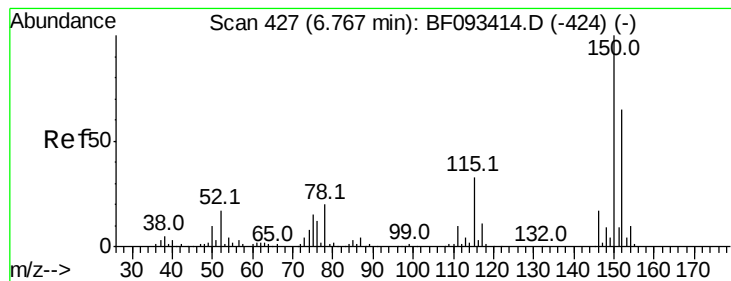
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

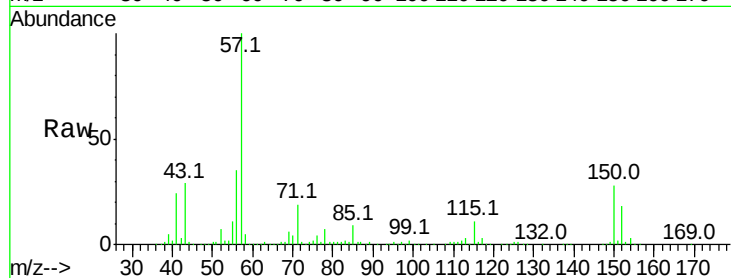
Tot Ion:152 Resp: 171228

Ion Ratio Lower Upper

152 100

150 157.7 124.9 187.3

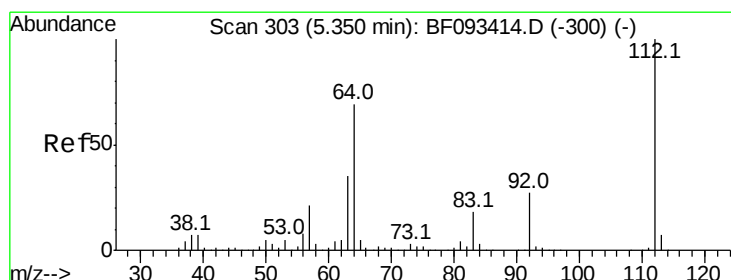
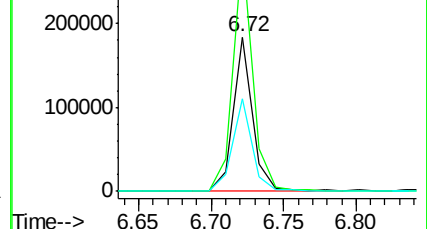
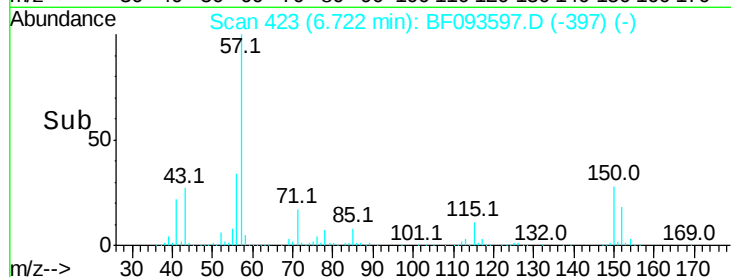
115 60.1 46.0 69.0



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: 102.92 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

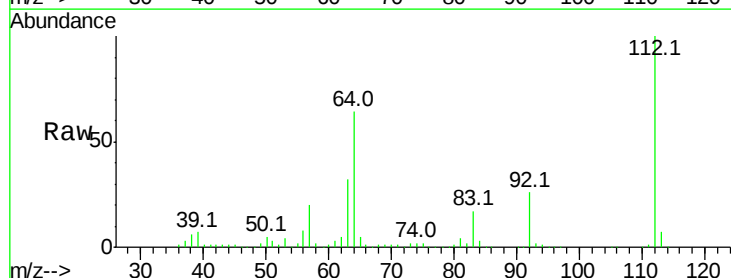
Tgt Ion:112 Resp: 1058840

Ion Ratio Lower Upper

112 100

64 63.7 46.1 69.1

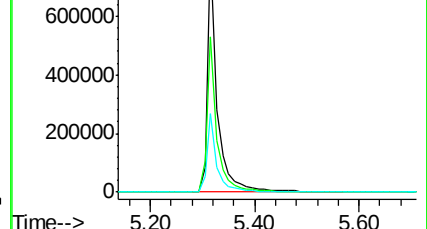
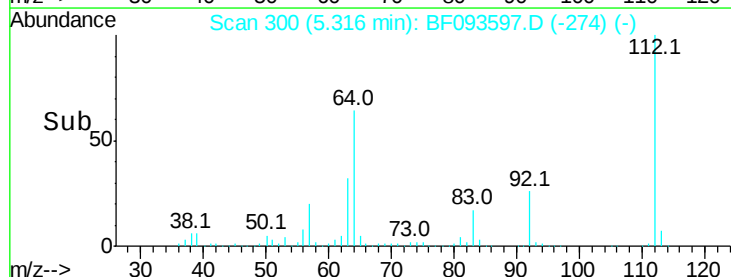
63 32.0 23.8 35.6

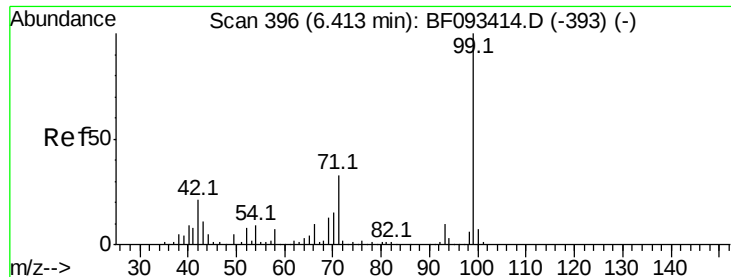


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.08 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

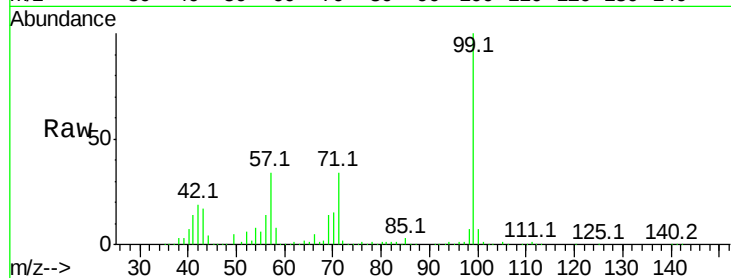
BNA_F

ClientSampleId :

HY-SB412A

Tot Ion: 99 Resp: 1428186

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.6	23.4
71	34.4	27.5	41.3

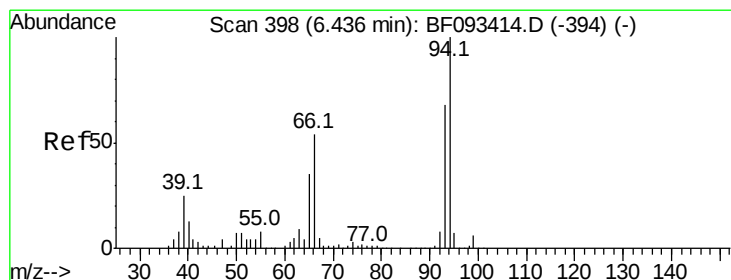
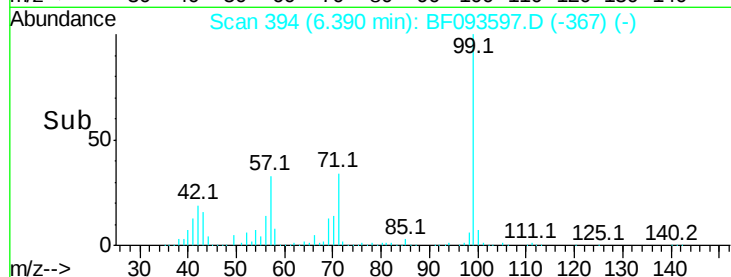
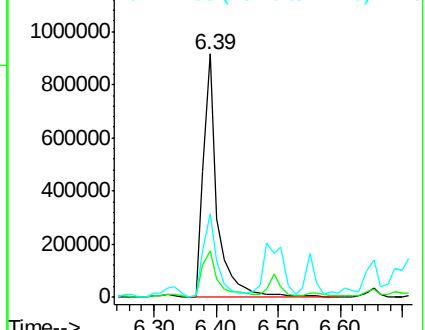


Abundance

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



#10

Phenol

Concen: 6.00 ng

RT: 6.40 min Scan# 395

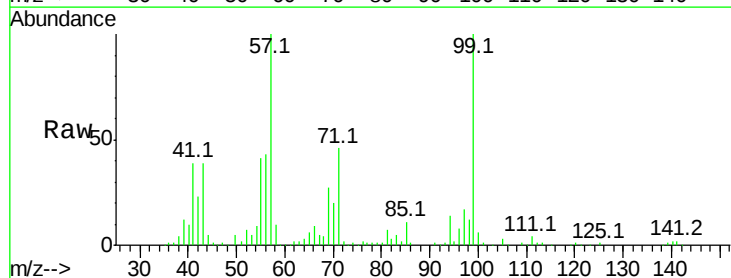
Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Tgt Ion: 94 Resp: 95427

Ion	Ratio	Lower	Upper
94	100		
65	41.8	21.4	61.4
66	66.5	44.0	84.0

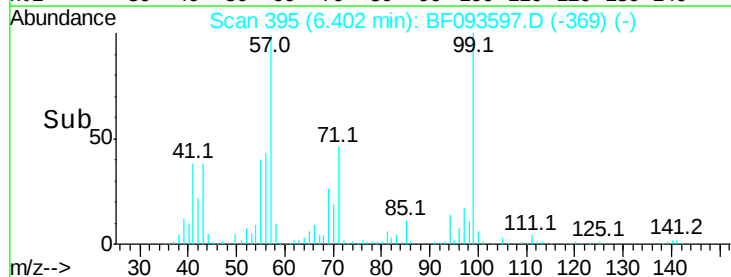
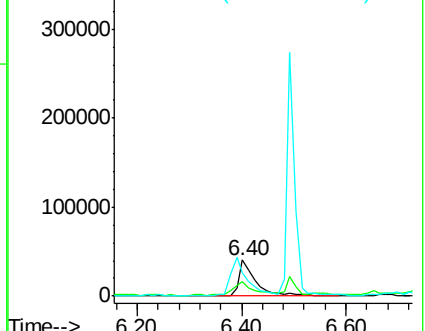


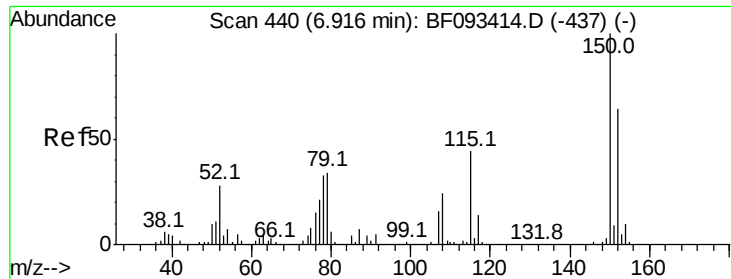
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0





#15

Benzyl Alcohol

Concen: 3.51 ng

RT: 6.88 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampled :

HY-SB412A

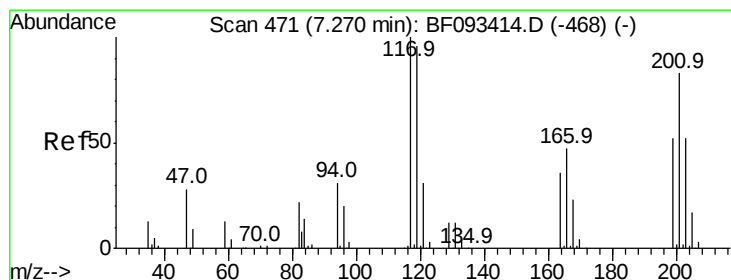
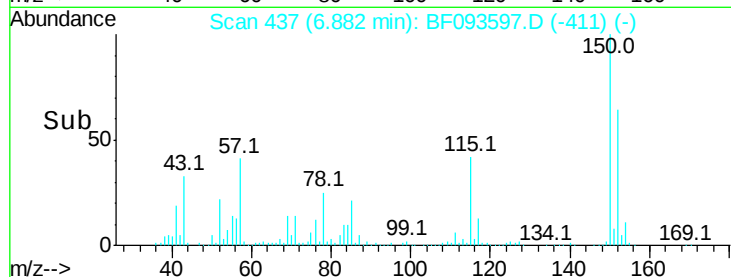
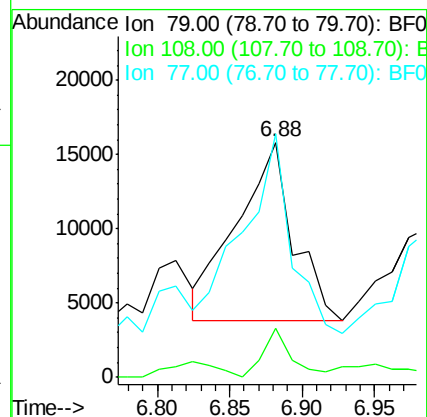
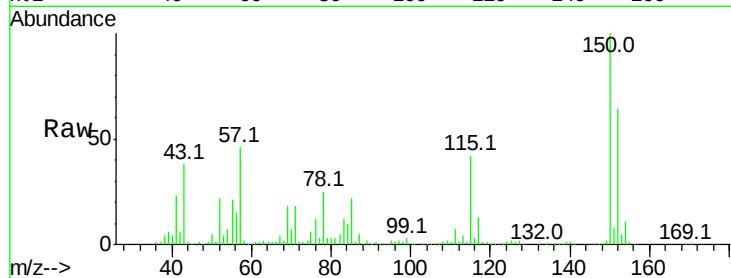
Tot Ion: 79 Resp: 32462

Ion Ratio Lower Upper

79 100

108 20.6 61.4 92.0#

77 103.7 50.9 76.3#



#18

Hexachloroethane

Concen: 10.49 ng

RT: 7.27 min Scan# 471

Delta R.T. 0.05 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

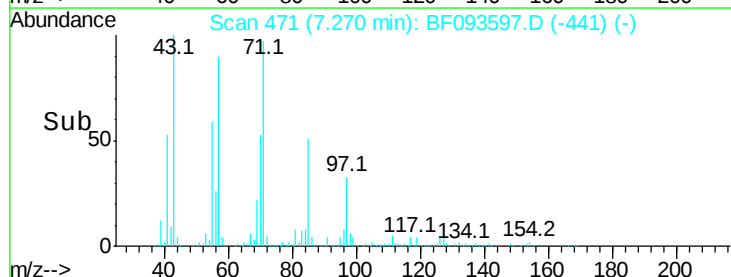
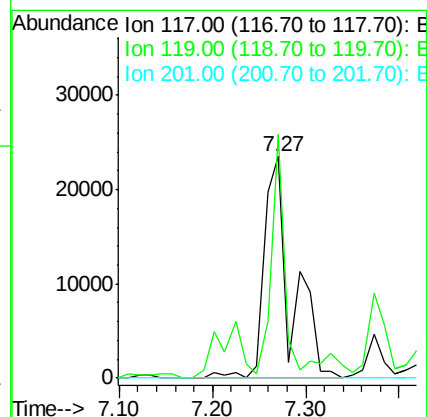
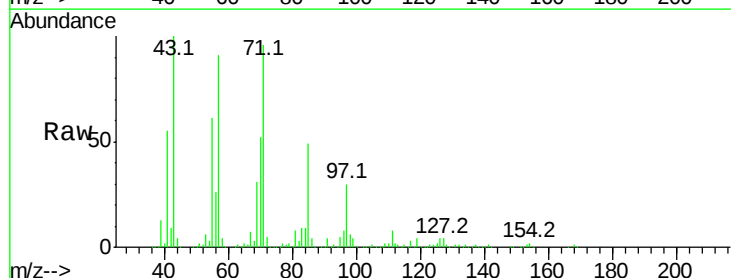
Tgt Ion: 117 Resp: 47784

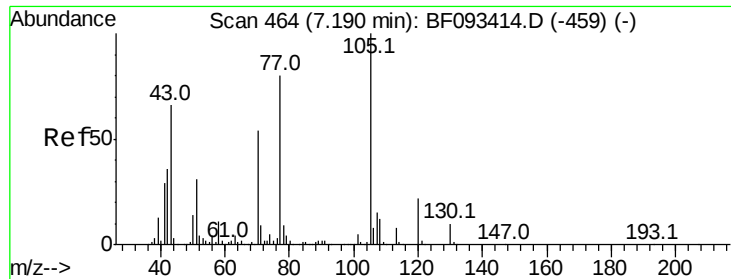
Ion Ratio Lower Upper

117 100

119 110.1 78.1 117.1

201 0.0 78.6 117.8#





#19

n-Nitroso-di-n-propylamine

Concen: 97.09 ng

RT: 7.18 min Scan# 463

Delta R.T. 0.03 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

Tot Ion: 70 Resp: 865991

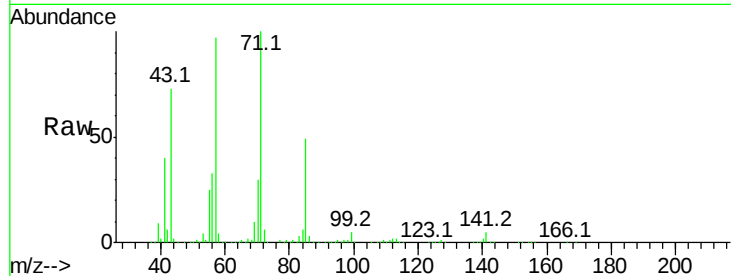
Ion Ratio Lower Upper

70 100

42 21.0 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#



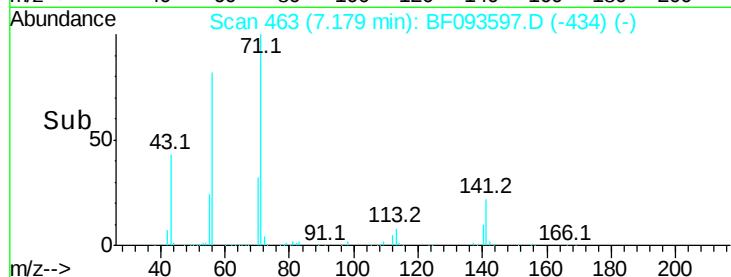
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

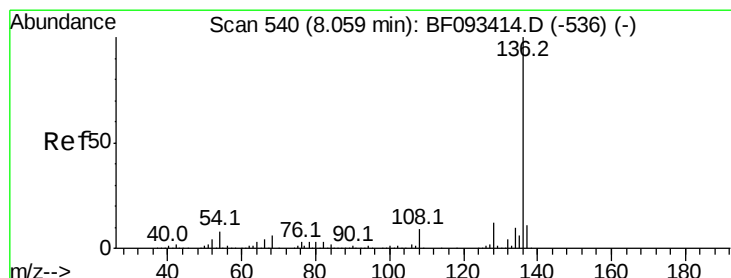
Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Tgt Ion: 136 Resp: 596900

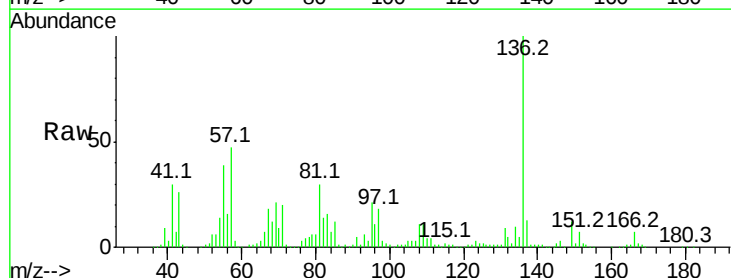
Ion Ratio Lower Upper

136 100

137 12.9 8.4 12.6#

54 13.7 4.5 6.7#

68 11.8 3.6 5.4#



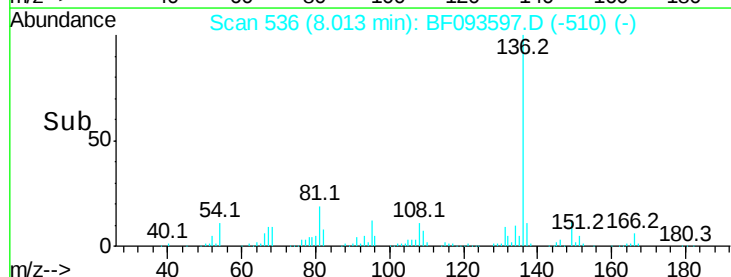
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

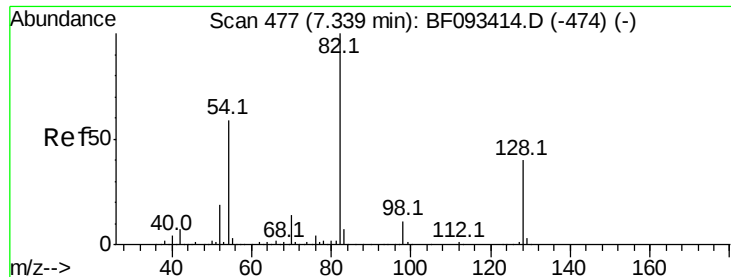
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0

Time-->



Time-->



#23

Nitrobenzene-d5

Concen: 71.38 ng

RT: 7.30 min Scan# 474

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

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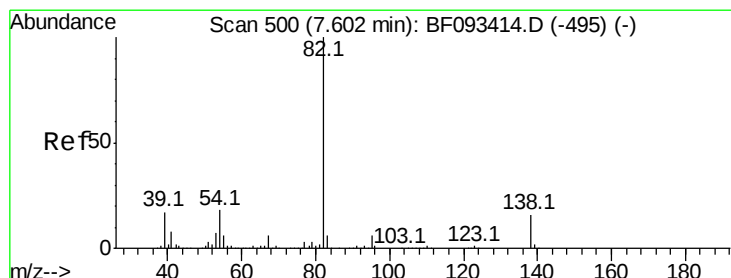
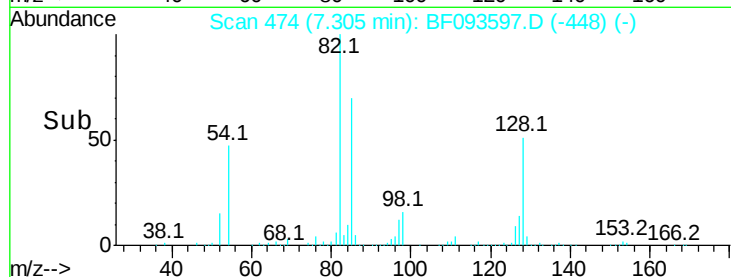
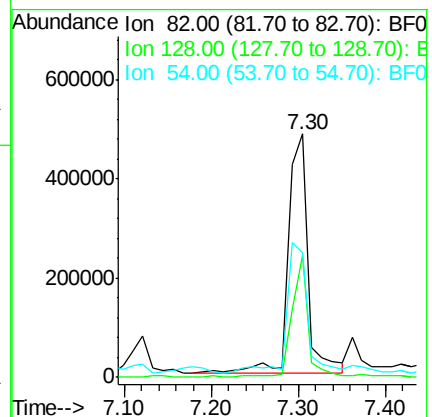
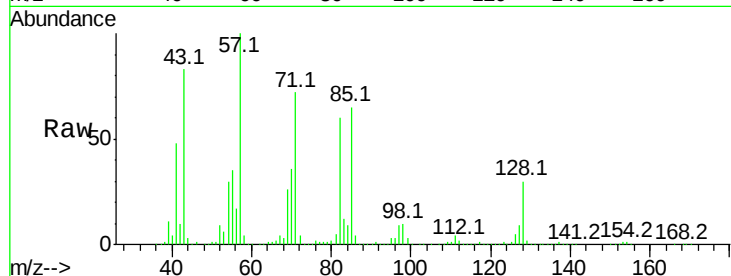
Tot Ion: 82 Resp: 767869

Ion Ratio Lower Upper

82 100

128 50.3 34.6 52.0

54 51.0 39.5 59.3



#25

Isophorone

Concen: 5.60 ng

RT: 7.53 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

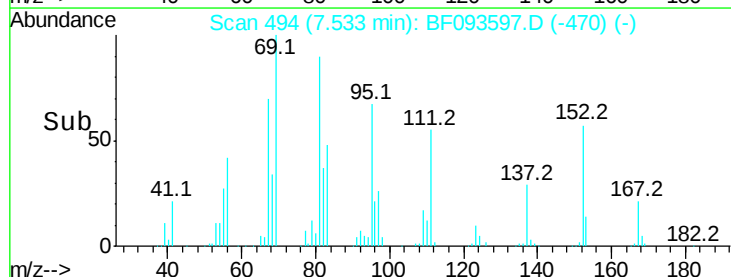
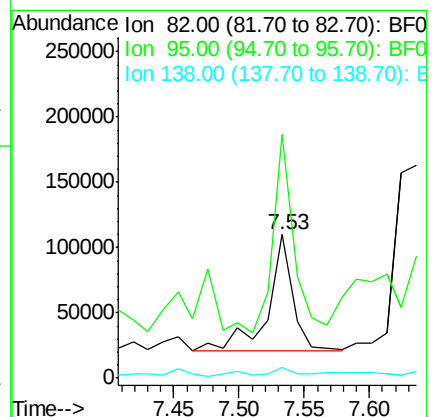
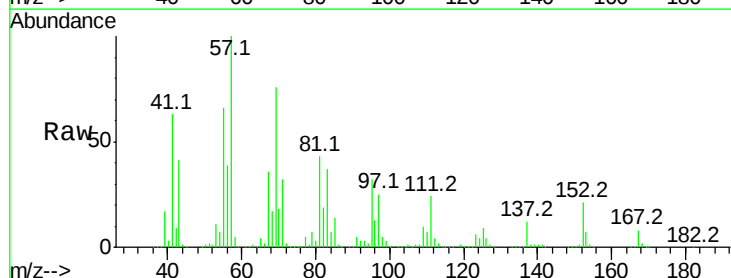
Tgt Ion: 82 Resp: 121458

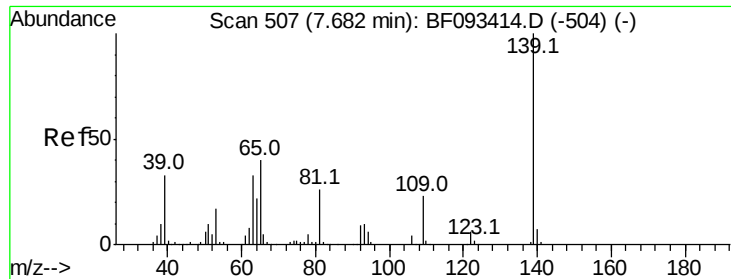
Ion Ratio Lower Upper

82 100

95 169.9 5.6 8.4#

138 7.8 14.6 22.0#

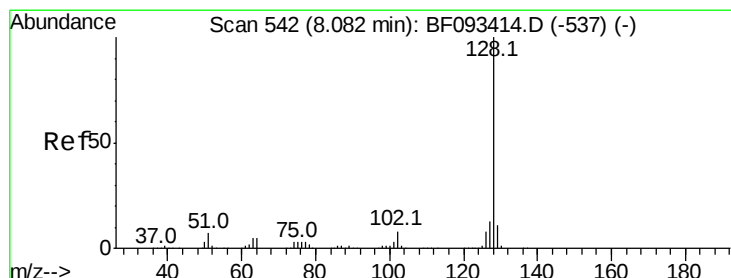
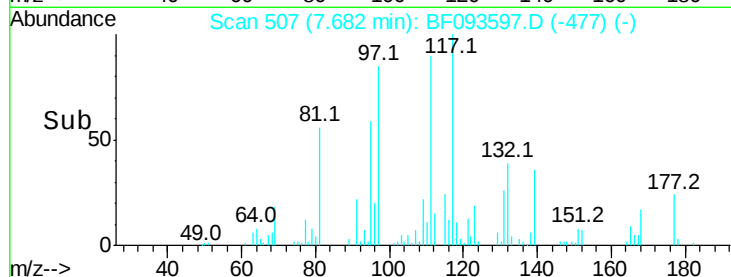
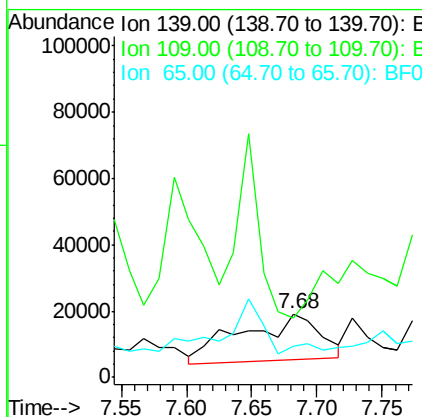
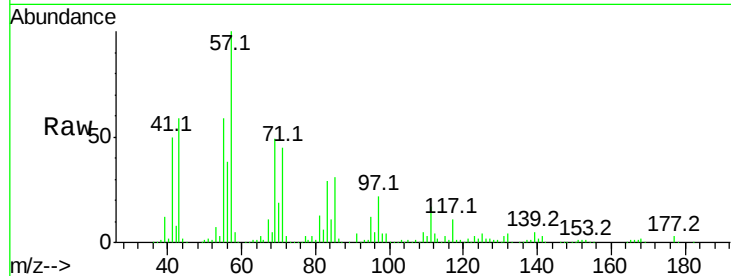




#26
2-Nitrophenol
Concen: 10.73 ng
RT: 7.68 min Scan# 507
Delta R.T. 0.05 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

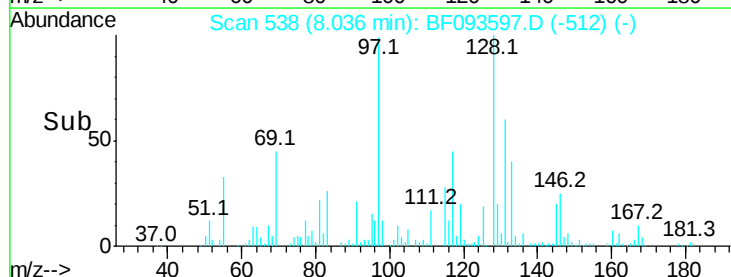
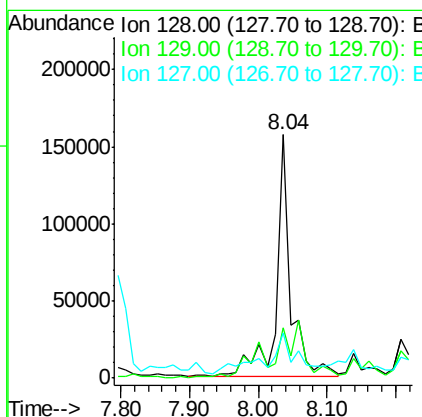
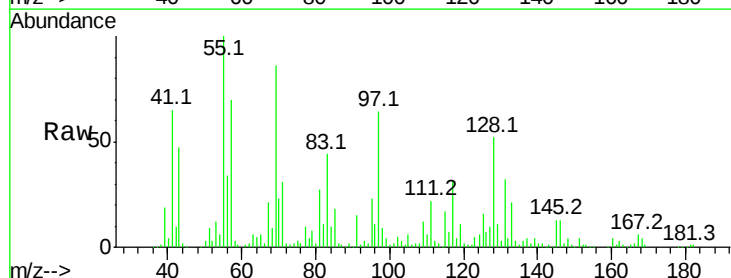
Instrument :
BNA_F
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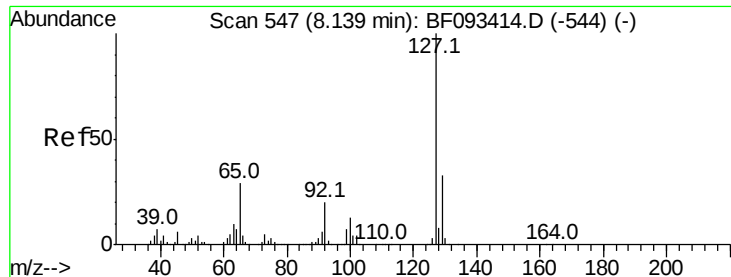
Tot Ion	Ratio	Lower	Upper
139	100		
109	93.5	23.3	34.9#
65	49.0	42.7	64.1



#31
Naphthalene
Concen: 7.94 ng
RT: 8.04 min Scan# 538
Delta R.T. 0.00 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

Tgt Ion	Ratio	Lower	Upper
128	100		
129	20.9	9.5	14.3#
127	18.6	10.8	16.2#

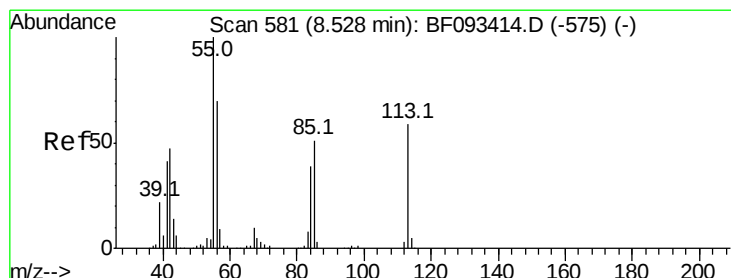
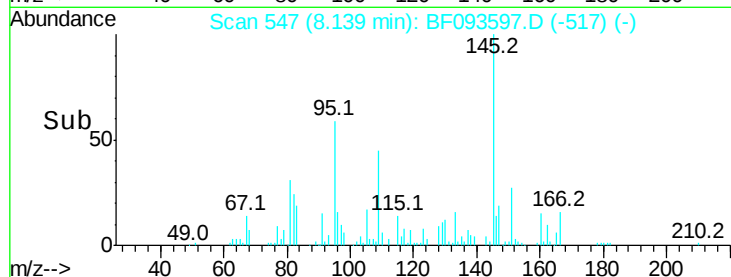
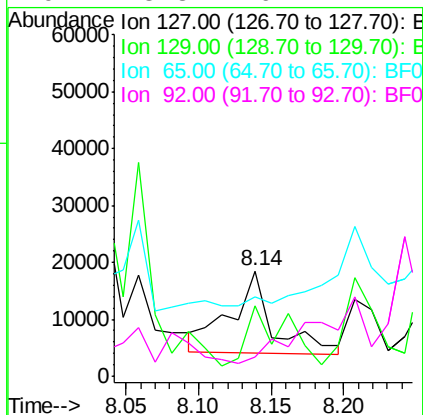
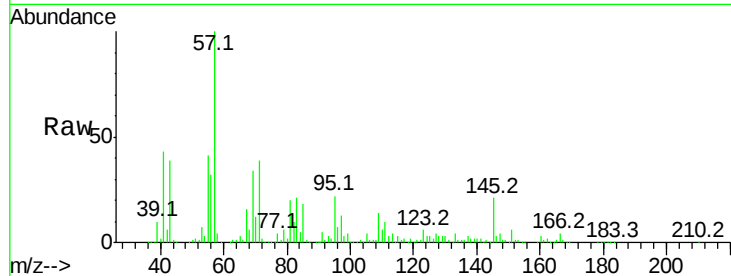




#33
4-Chloroaniline
Concen: 2.44 ng
RT: 8.14 min Scan# 547
Delta R.T. 0.05 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

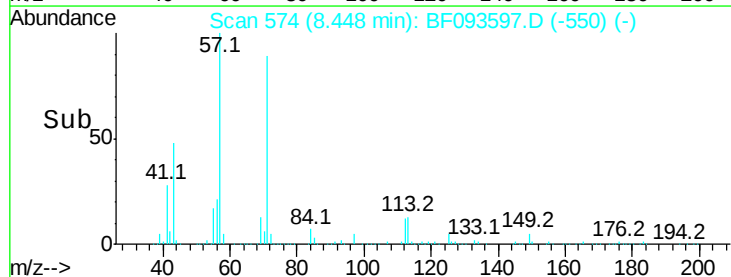
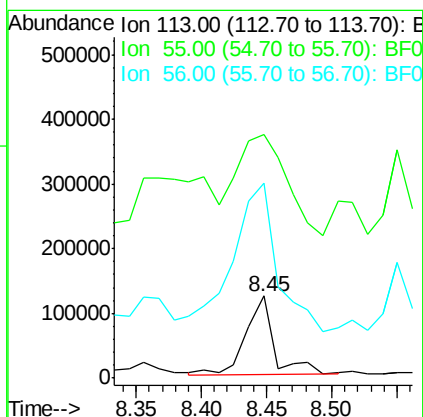
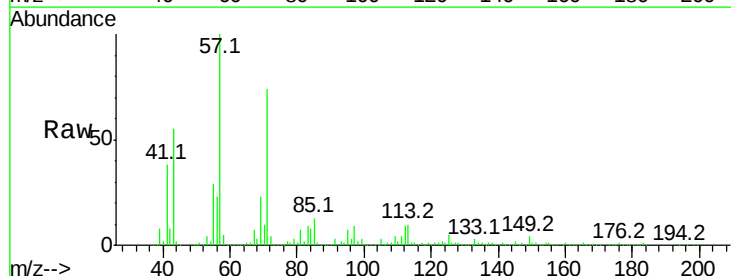
Instrument :
BNA_F
ClientSampleId :
HY-SB412A

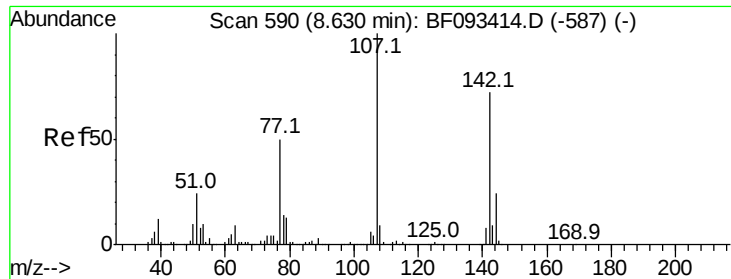
Tot Ion:127 Resp: 29628
Ion Ratio Lower Upper
127 100
129 66.9 26.3 39.5#
65 75.5 25.8 38.8#
92 18.3 16.1 24.1



#35
Caprolactam
Concen: 64.76 ng
RT: 8.45 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

Tgt Ion:113 Resp: 186722
Ion Ratio Lower Upper
113 100
55 297.0 119.2 159.2#
56 237.7 83.8 123.8#

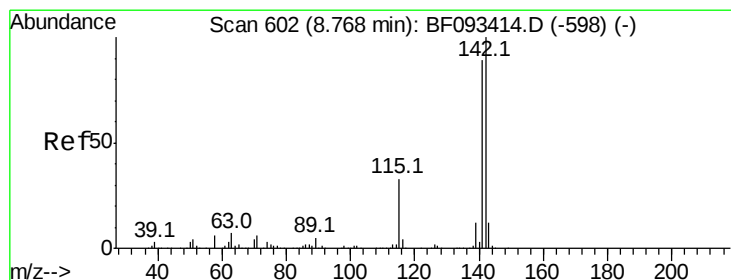
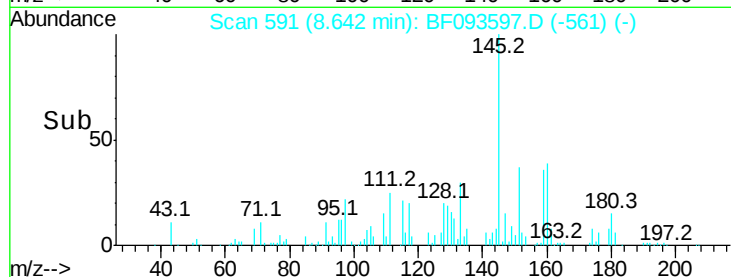
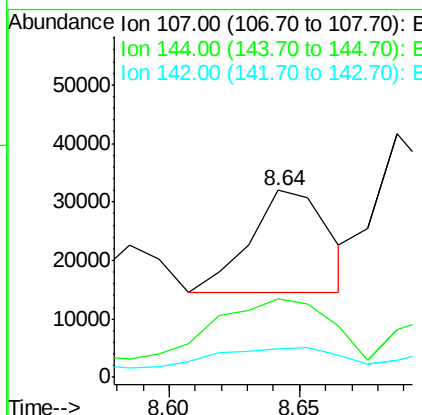
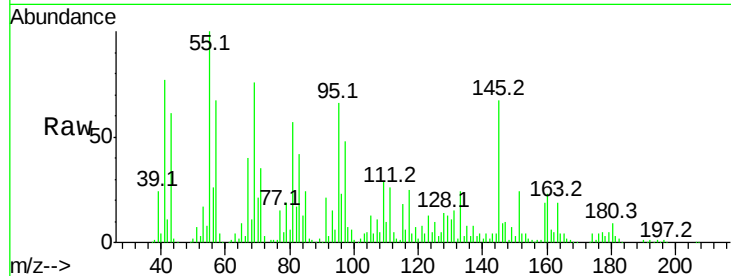




#36
4-Chloro-3-methylphenol
Concen: 4.07 ng
RT: 8.64 min Scan# 591
Delta R.T. 0.05 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

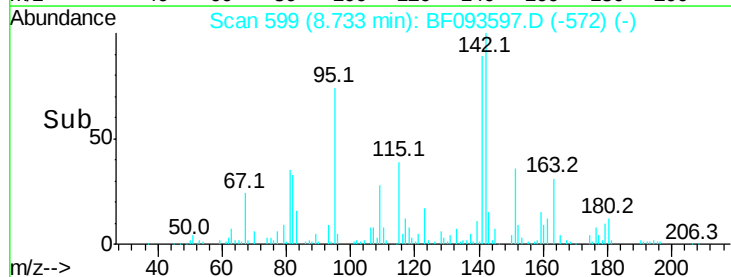
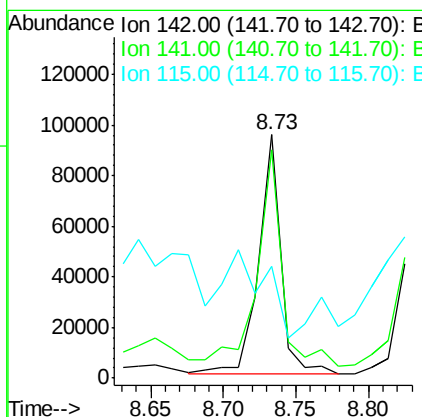
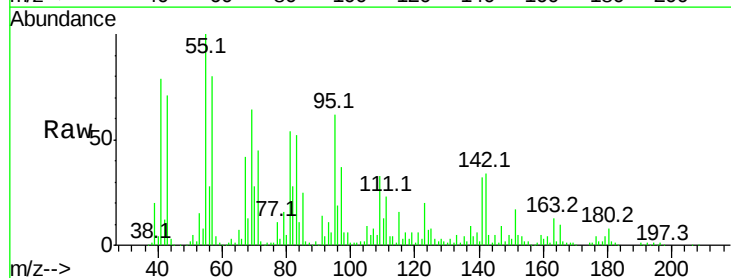
Instrument :
BNA_F
ClientSampled :
HY-SB412A

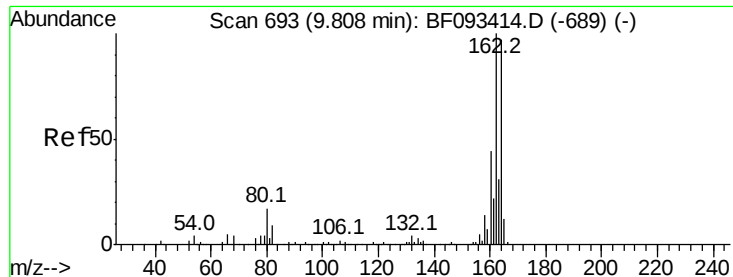
Tot Ion:107 Resp: 36718
Ion Ratio Lower Upper
107 100
144 41.8 19.3 28.9#
142 15.5 59.0 88.6#



#37
2-Methylnaphthalene
Concen: 5.29 ng
RT: 8.73 min Scan# 599
Delta R.T. 0.01 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

Tgt Ion:142 Resp: 100630
Ion Ratio Lower Upper
142 100
141 94.0 71.0 106.6
115 45.7 28.3 42.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 690

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

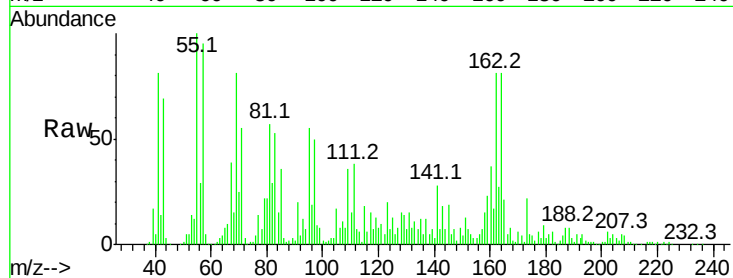
Tot Ion:164 Resp: 204547

Ion Ratio Lower Upper

164 100

162 100.2 80.2 120.2

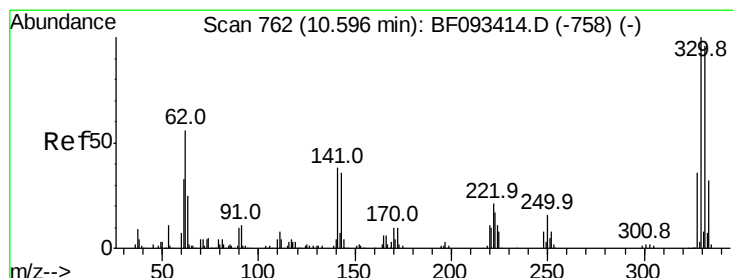
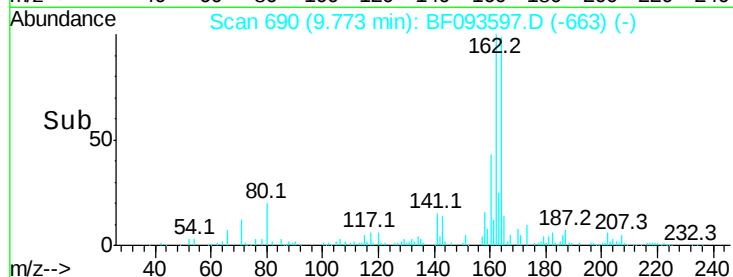
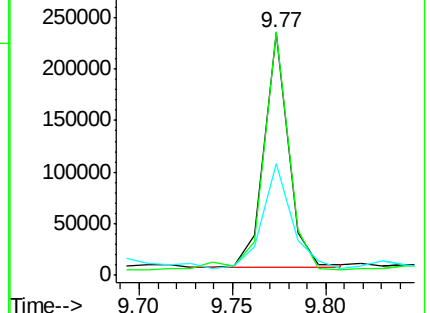
160 46.3 36.9 55.3



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: 96.50 ng

RT: 10.57 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

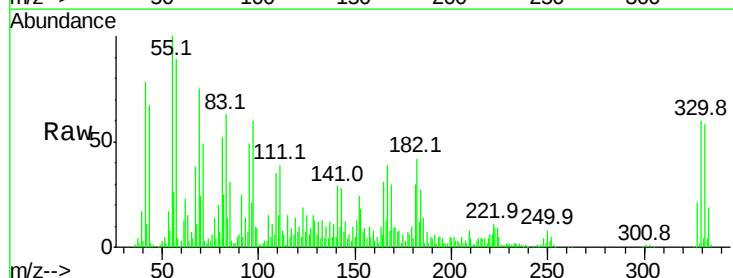
Tgt Ion:330 Resp: 128608

Ion Ratio Lower Upper

330 100

332 97.5 77.4 116.2

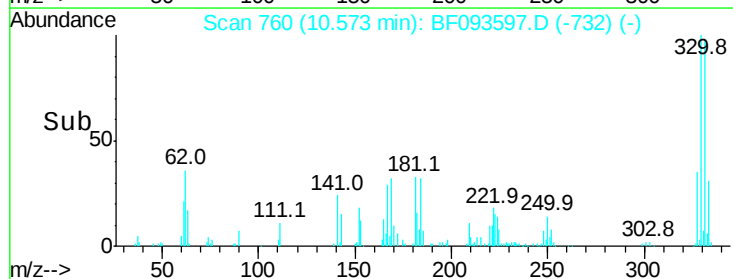
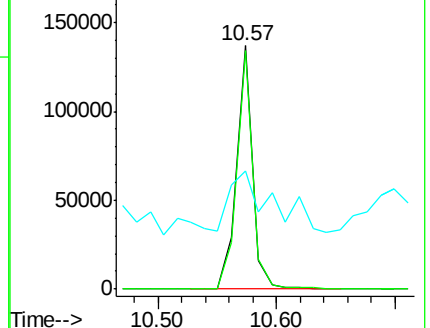
141 65.2 34.1 51.1#

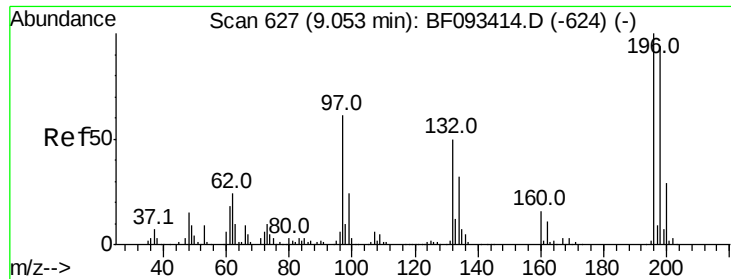


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

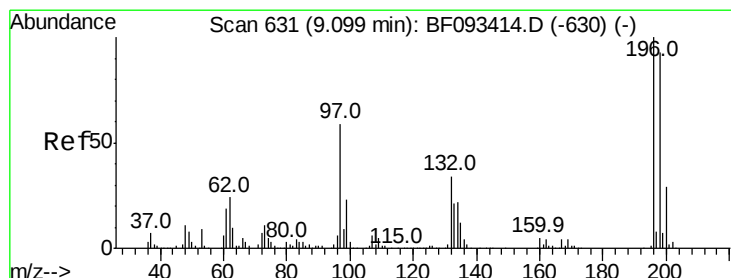
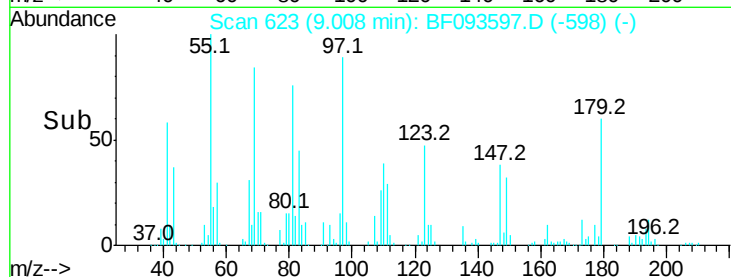
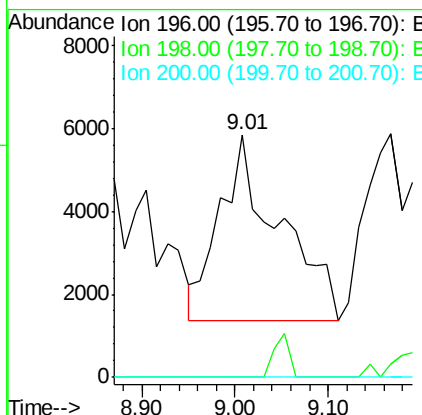
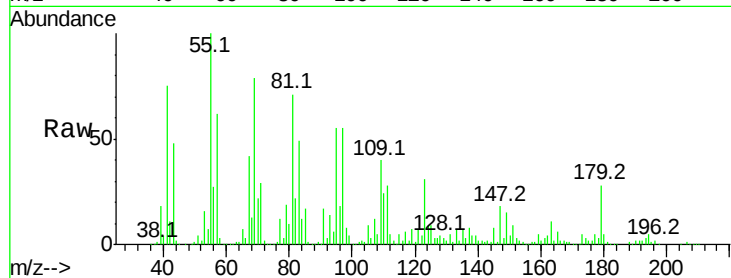




#42
 2,4,6-Trichlorophenol
 Concen: 5.68 ng
 RT: 9.01 min Scan# 623
 Delta R.T. -0.01 min
 Lab File: BF093597.D
 Acq: 12 Mar 2017 8:05

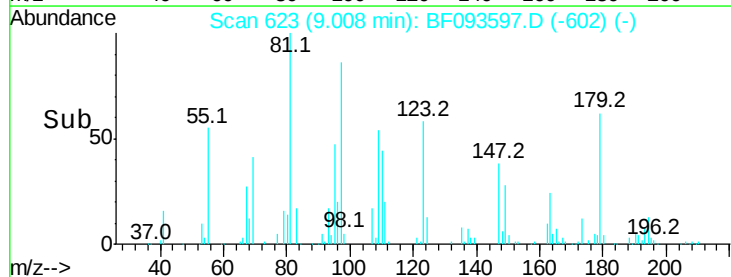
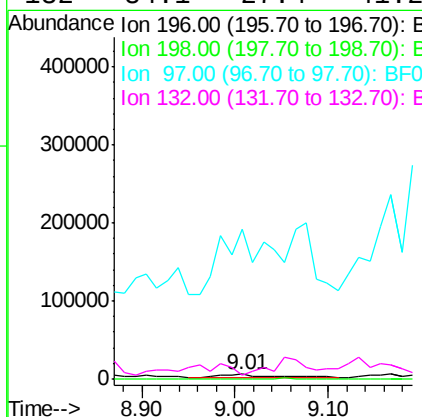
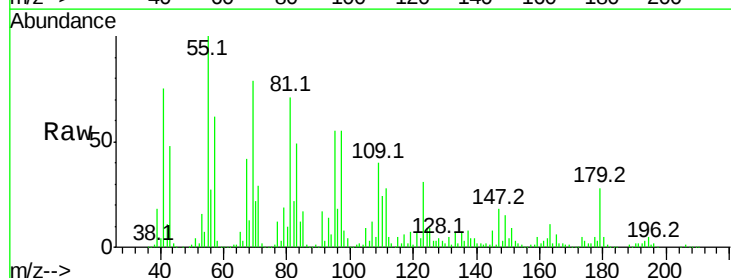
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412A

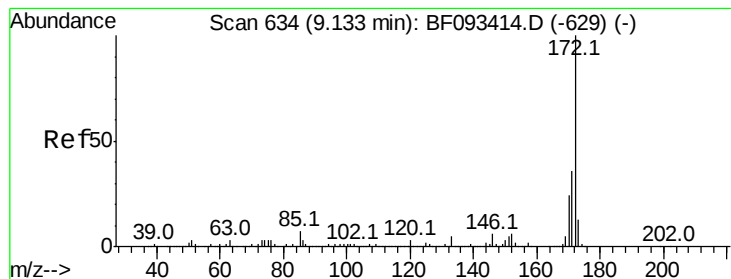
Tot Ion:196 Resp: 19816
 Ion Ratio Lower Upper
 196 100
 198 0.0 82.1 123.1#
 200 0.0 27.0 40.4#



#43
 2,4,5-Trichlorophenol
 Concen: 5.29 ng
 RT: 9.01 min Scan# 623
 Delta R.T. -0.06 min
 Lab File: BF093597.D
 Acq: 12 Mar 2017 8:05

Tgt Ion:196 Resp: 19816
 Ion Ratio Lower Upper
 196 100
 198 0.0 79.4 119.2#
 97 3290.8 51.5 77.3#
 132 84.1 27.4 41.2#





#44

2-Fluorobiphenyl

Concen: 88.95 ng

RT: 9.09 min Scan# 630

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

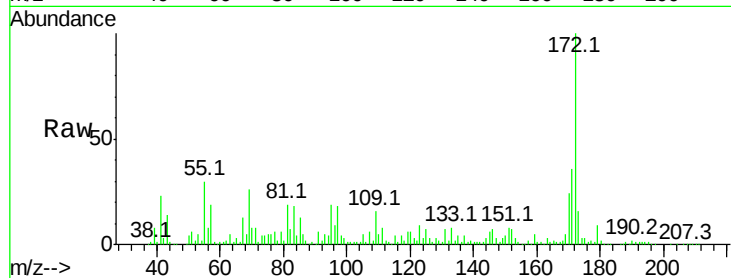
Tot Ion:172 Resp: 978147

Ion Ratio Lower Upper

172 100

171 36.1 29.4 44.0

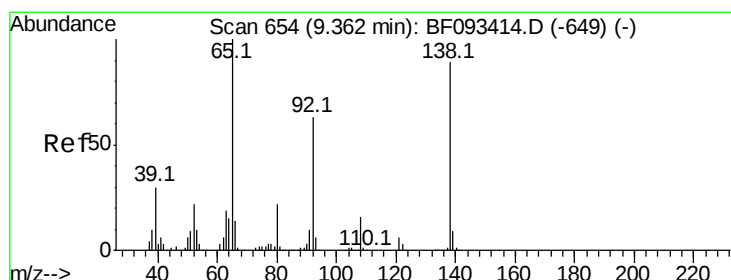
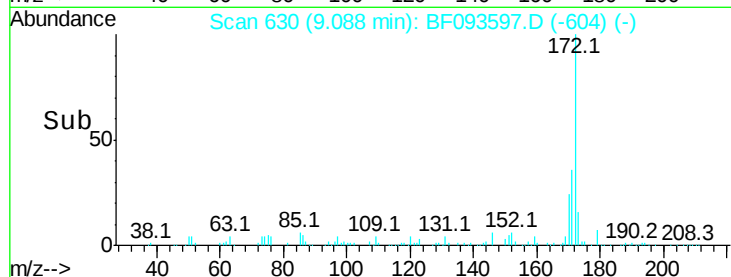
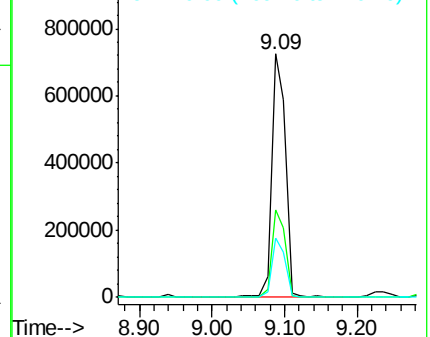
170 24.2 20.2 30.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#47

2-Nitroaniline

Concen: 2.39 ng

RT: 9.32 min Scan# 650

Delta R.T. -0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

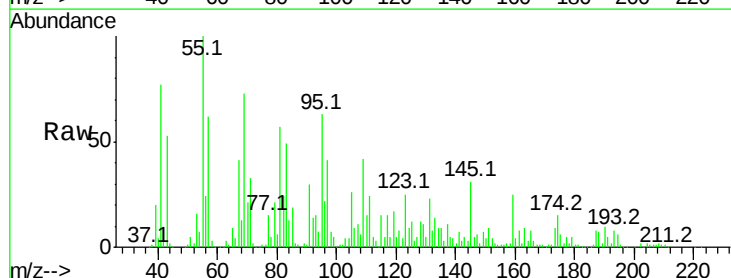
Tgt Ion: 65 Resp: 9653

Ion Ratio Lower Upper

65 100

92 151.1 53.9 80.9#

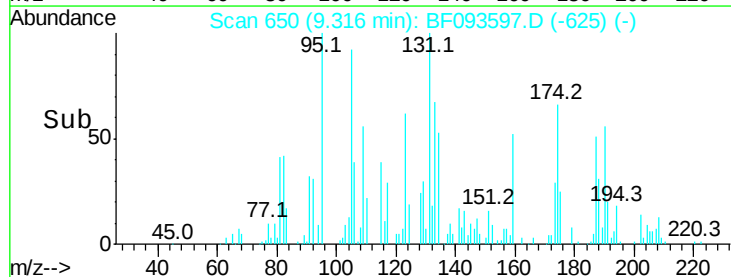
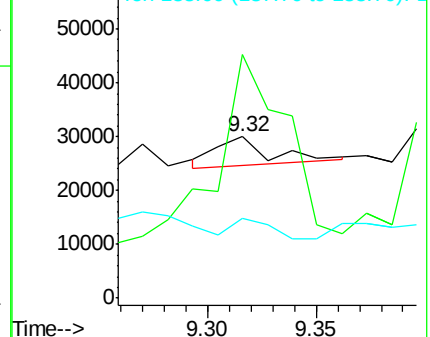
138 49.8 76.8 115.2#

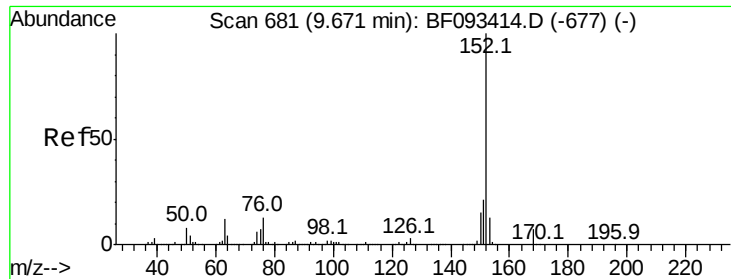


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 3.67 ng

RT: 9.64 min Scan# 678

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

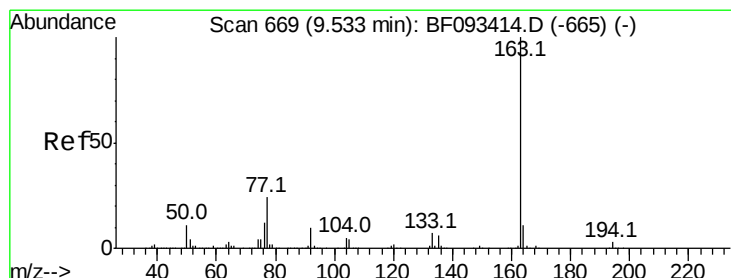
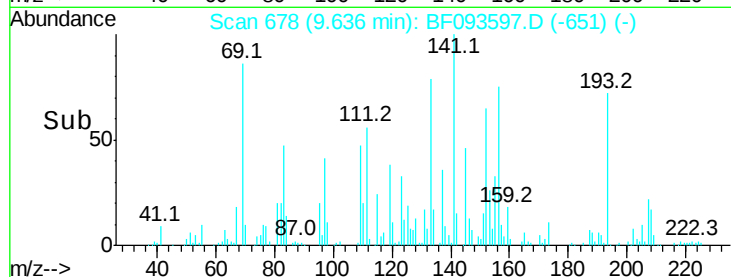
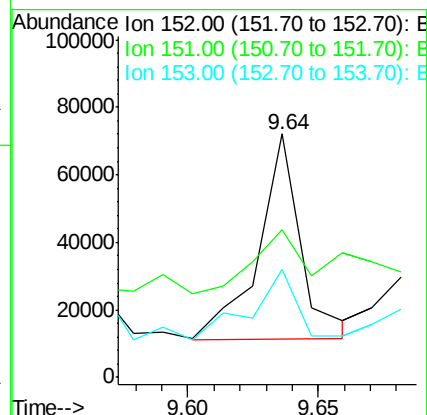
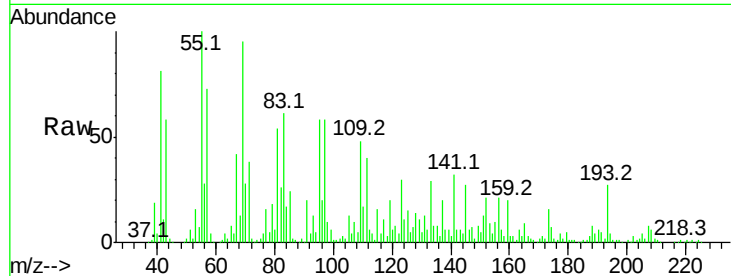
Tot Ion:152 Resp: 69086

Ion Ratio Lower Upper

152 100

151 60.6 16.9 25.3#

153 44.2 11.4 17.2#



#49

Dimethylphthalate

Concen: 6.94 ng

RT: 9.49 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

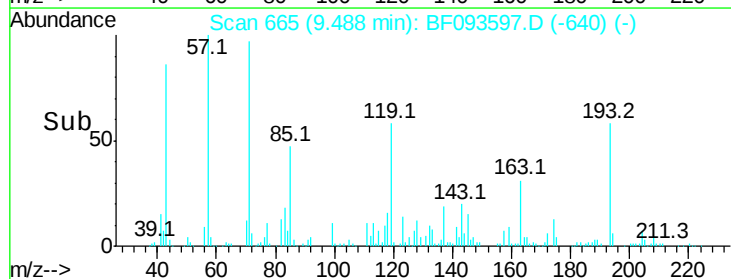
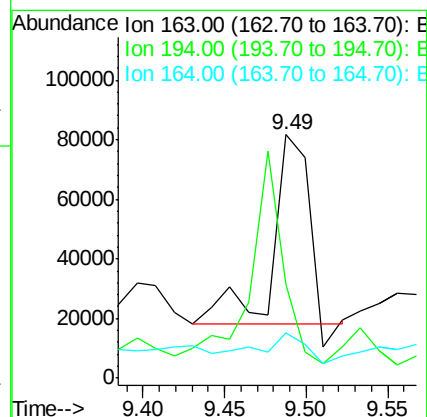
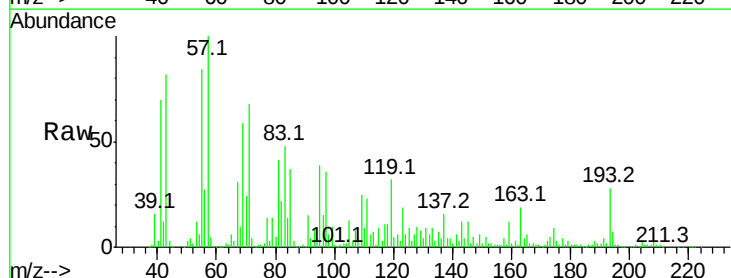
Tgt Ion:163 Resp: 94130

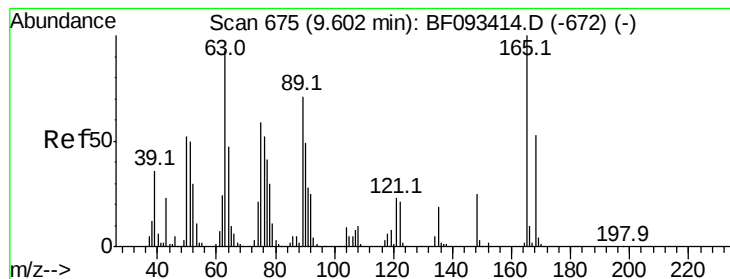
Ion Ratio Lower Upper

163 100

194 38.3 3.0 4.4#

164 18.7 8.0 12.0#





#50

2,6-Dinitrotoluene

Concen: 22.39 ng

RT: 9.54 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

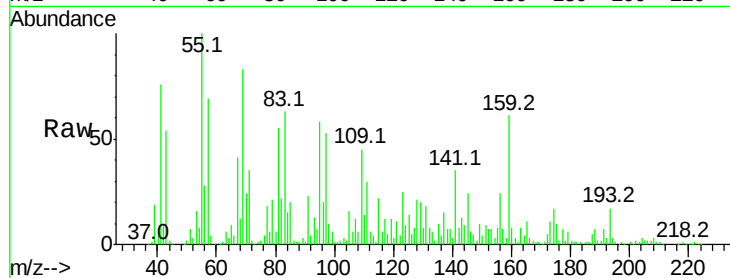
Tot Ion:165 Resp: 66611

Ion Ratio Lower Upper

165 100

63 50.9 36.2 54.4

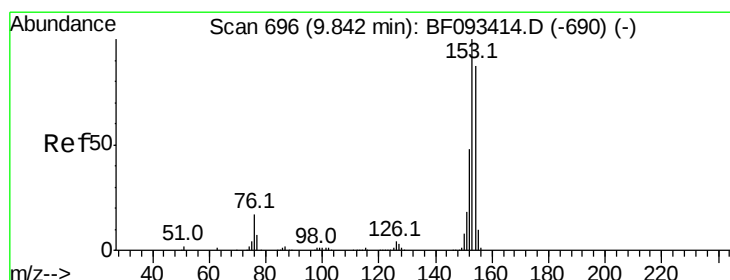
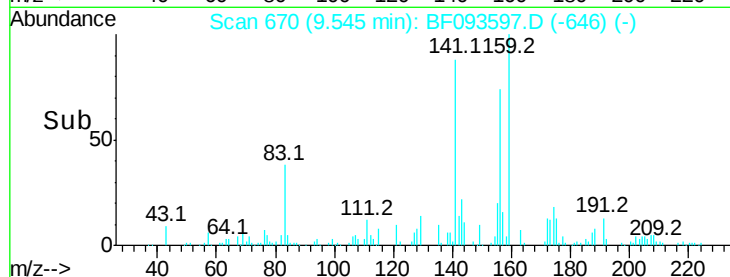
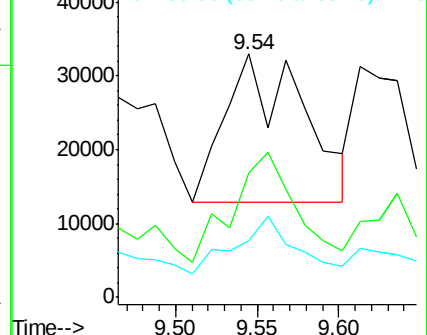
89 23.5 40.2 60.4#



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: 10.54 ng

RT: 9.81 min Scan# 693

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

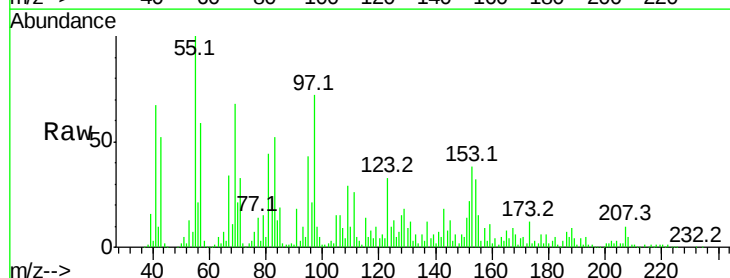
Tgt Ion:154 Resp: 117262

Ion Ratio Lower Upper

154 100

153 120.5 88.6 133.0

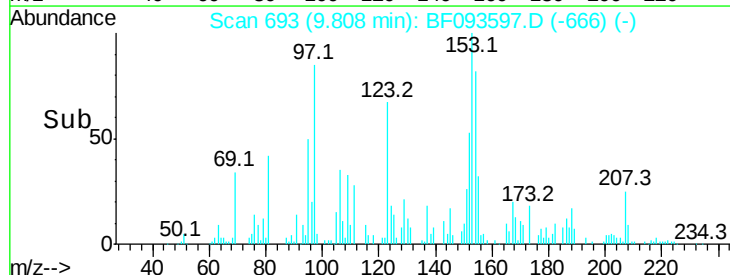
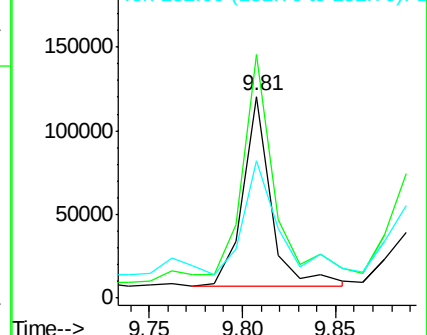
152 67.8 41.6 62.4#

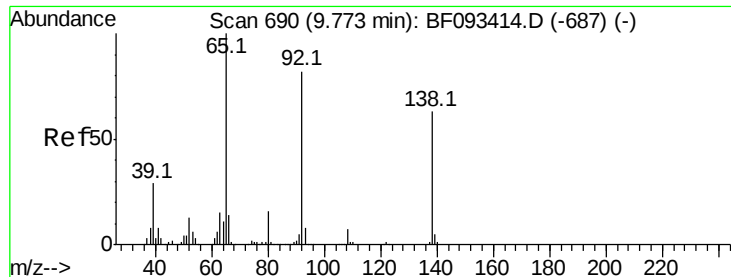


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#52

3-Nitroaniline

Concen: 10.44 ng

RT: 9.72 min Scan# 685

Delta R.T. -0.02 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

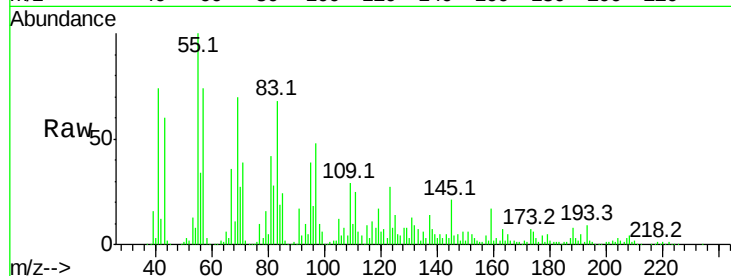
Tot Ion:138 Resp: 37339

Ion Ratio Lower Upper

138 100

108 60.1 8.5 12.7#

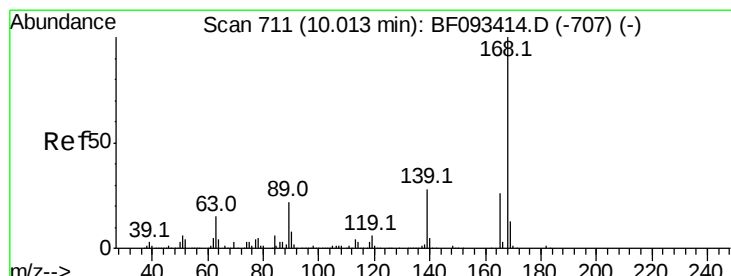
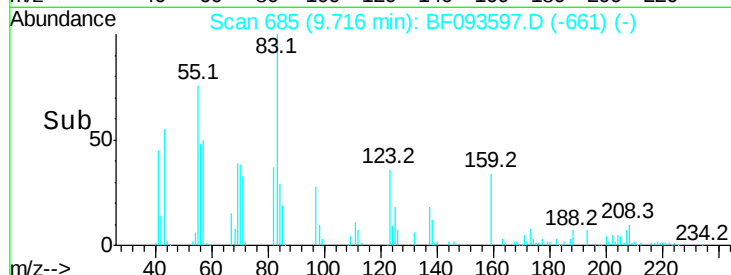
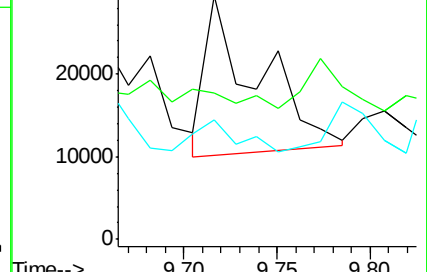
92 49.1 97.8 146.8#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0



#54

Dibenzofuran

Concen: 7.67 ng

RT: 9.98 min Scan# 708

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

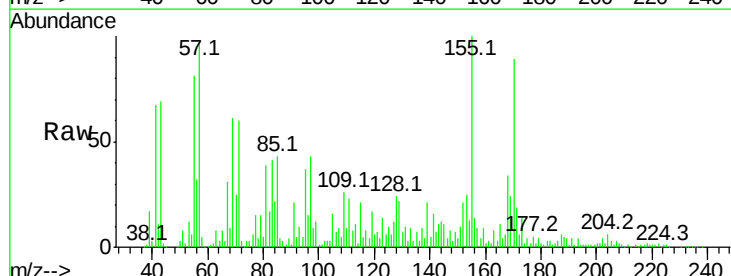
Tgt Ion:168 Resp: 106818

Ion Ratio Lower Upper

168 100

139 59.9 32.6 49.0#

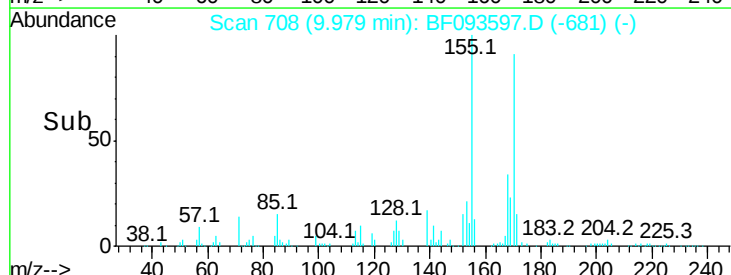
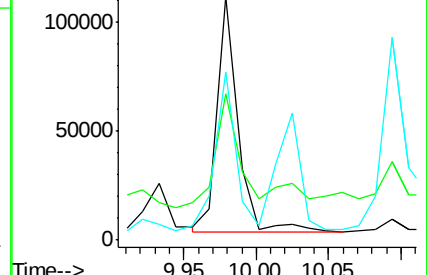
169 69.1 11.3 16.9#

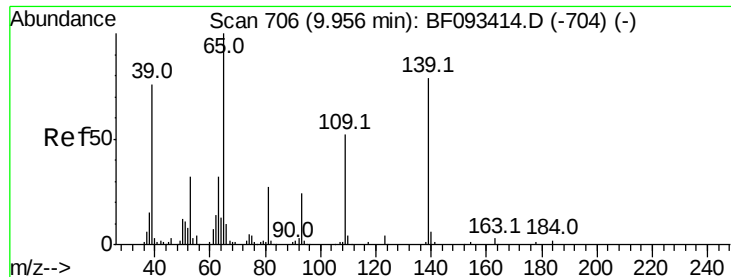


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 36.57 ng

RT: 9.98 min Scan# 708

Delta R.T. 0.05 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

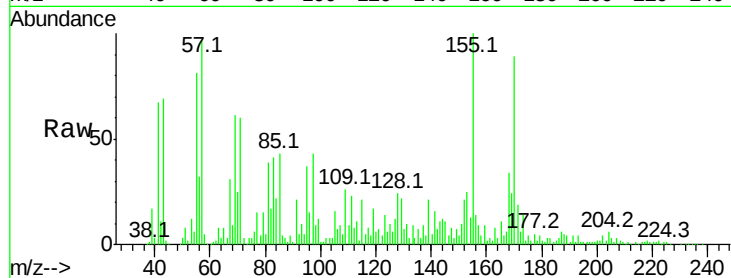
Tot Ion:139 Resp: 63500

Ion Ratio Lower Upper

139 100

109 126.1 52.2 92.2#

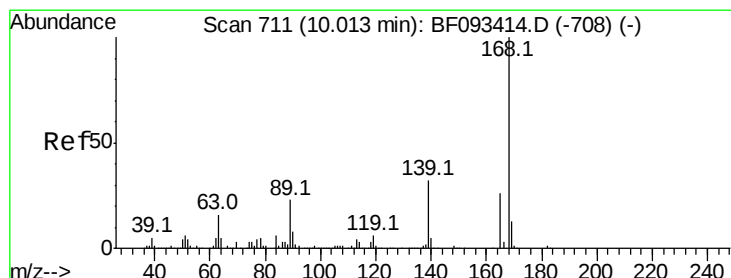
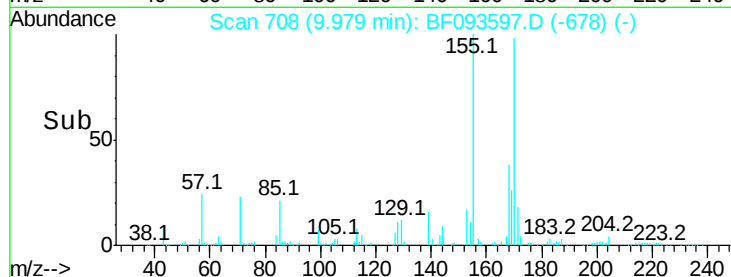
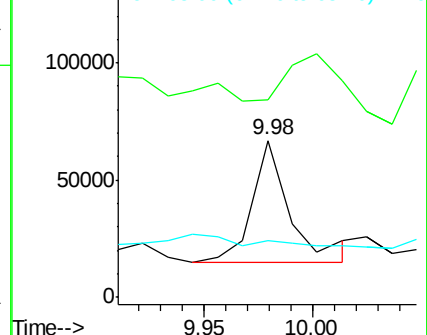
65 36.6 85.8 125.8#



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



#56

2,4-Dinitrotoluene

Concen: 4.06 ng

RT: 9.98 min Scan# 708

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Tgt Ion:165 Resp: 14834

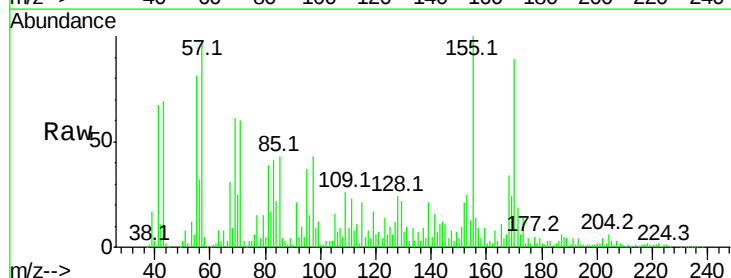
Ion Ratio Lower Upper

165 100

63 68.4 40.2 60.4#

89 34.4 62.5 93.7#

182 23.6 1.8 2.8#

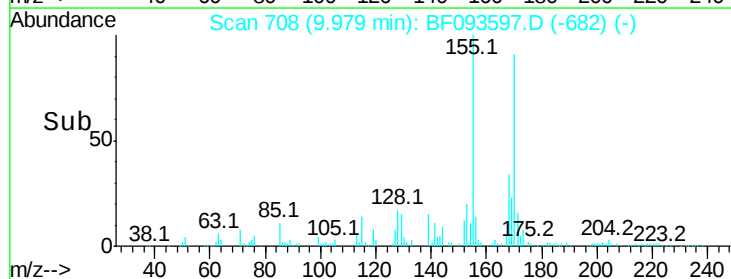
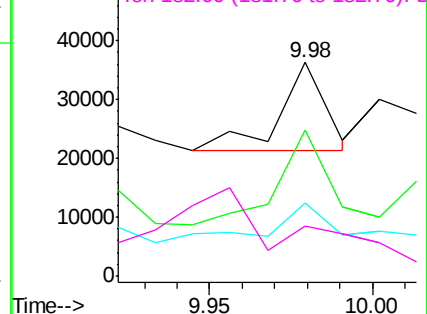


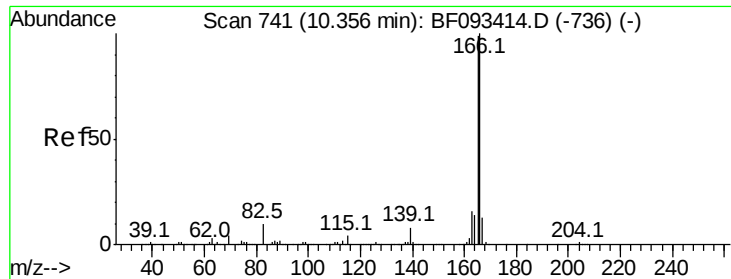
Abundance Ion 165.00 (164.70 to 165.70): E

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

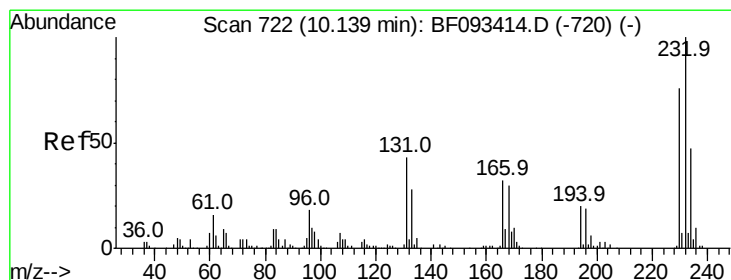
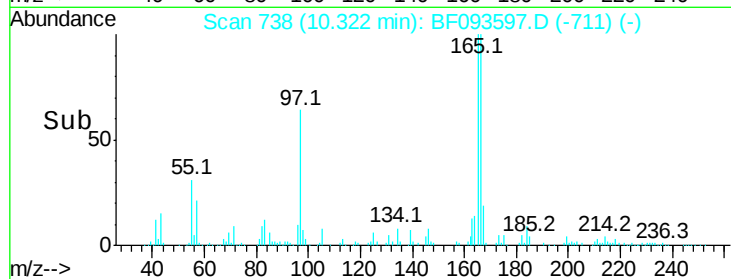
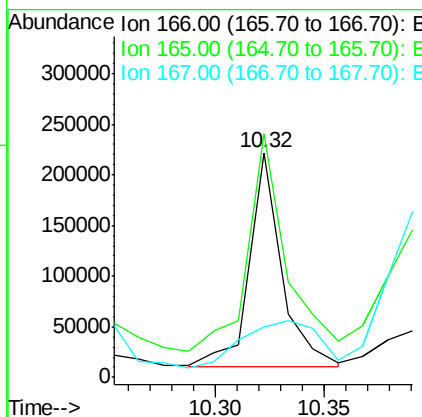
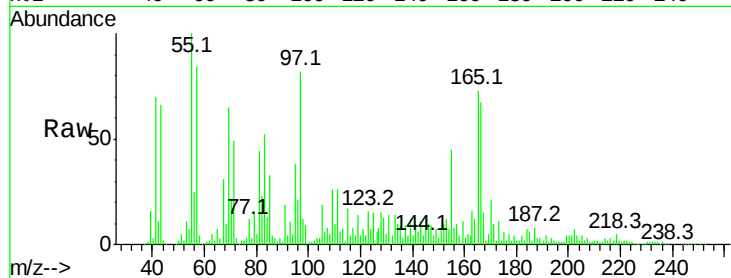




#57
Fluorene
 Concen: 18.65 ng
 RT: 10.32 min Scan# 738
 Delta R.T. 0.01 min
 Lab File: BF093597.D
 Acq: 12 Mar 2017 8:05

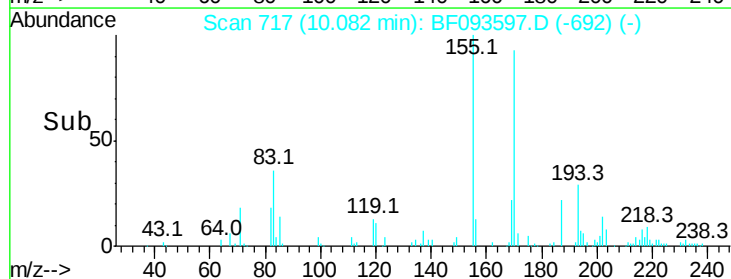
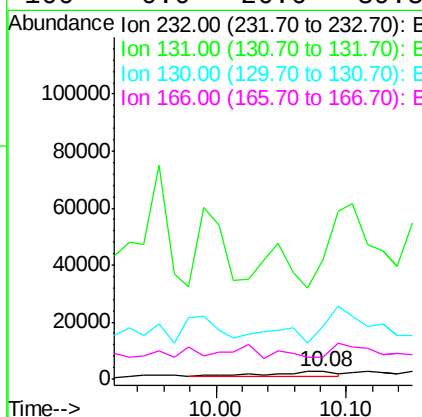
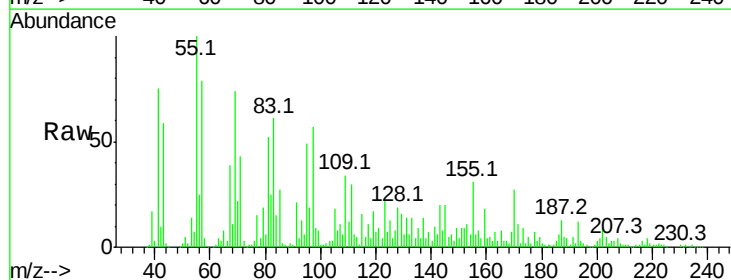
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412A

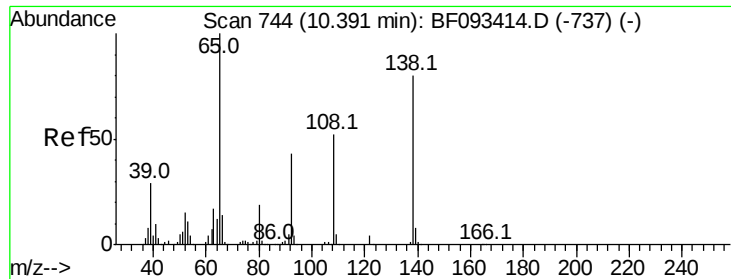
Tot Ion:166 Resp: 220085
 Ion Ratio Lower Upper
 166 100
 165 108.4 77.8 116.8
 167 22.1 10.8 16.2#



#58
2,3,4,6-Tetrachlorophenol
 Concen: 2.48 ng
 RT: 10.08 min Scan# 717
 Delta R.T. -0.01 min
 Lab File: BF093597.D
 Acq: 12 Mar 2017 8:05

Tgt Ion:232 Resp: 6564
 Ion Ratio Lower Upper
 232 100
 131 0.0 40.1 60.1#
 130 0.0 1.8 2.8#
 166 0.0 26.6 39.8#

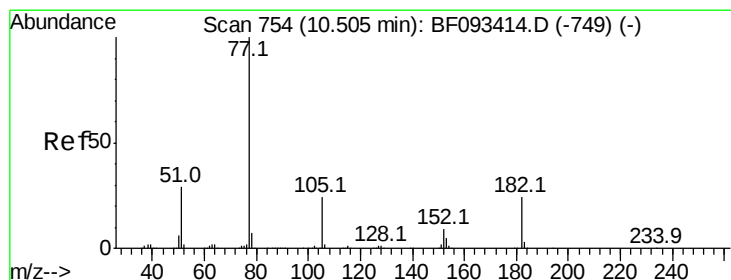
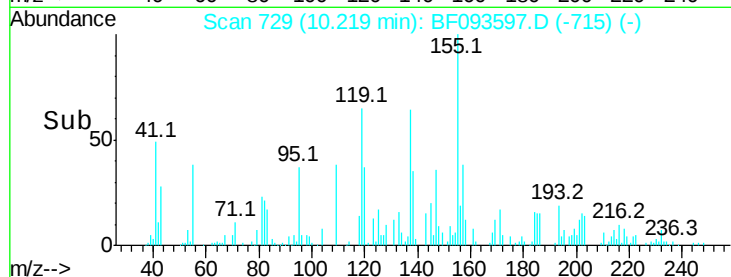
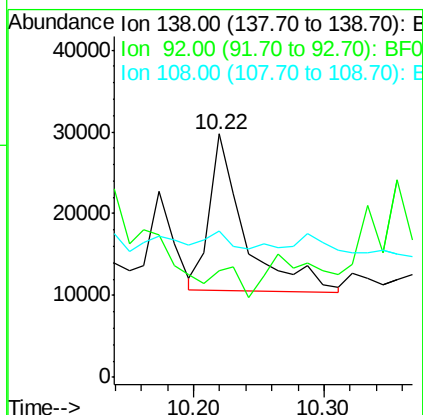
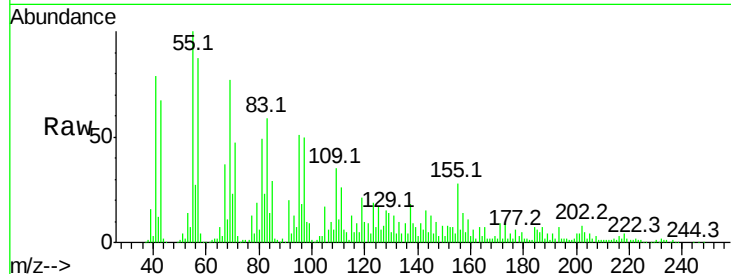




#61
4-Nitroaniline
Concen: 9.93 ng
RT: 10.22 min Scan# 729
Delta R.T. -0.14 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

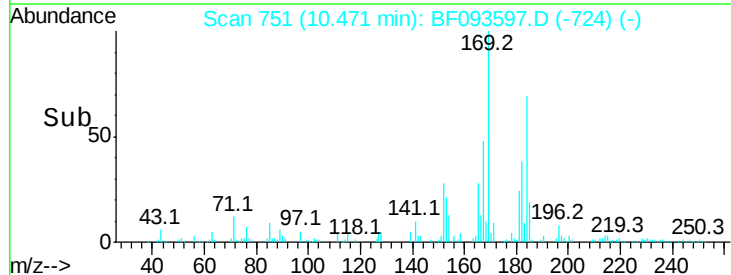
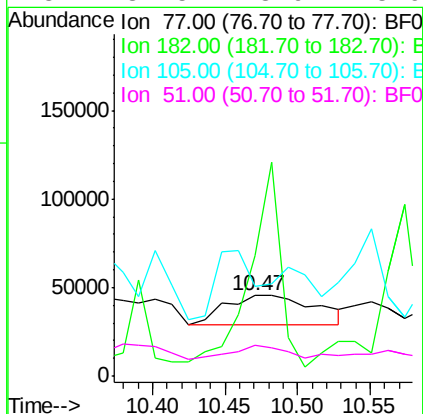
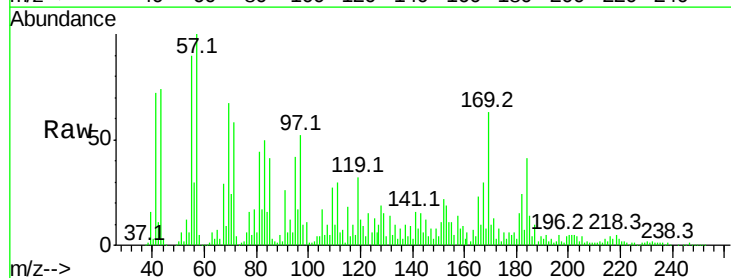
Instrument :
BNA_F
ClientSampleId :
HY-SB412A

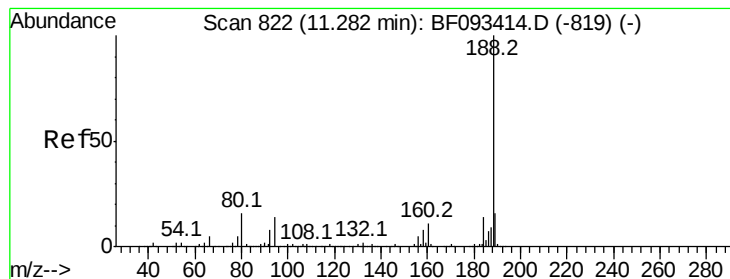
Tot Ion:138 Resp: 36322
Ion Ratio Lower Upper
138 100
92 43.9 31.7 71.7
108 60.3 52.6 92.6



#62
Azobenzene
Concen: 4.77 ng
RT: 10.47 min Scan# 751
Delta R.T. 0.01 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

Tgt Ion: 77 Resp: 70268
Ion Ratio Lower Upper
77 100
182 149.9 0.0 39.3#
105 110.6 2.3 42.3#
51 37.5 8.9 48.9





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

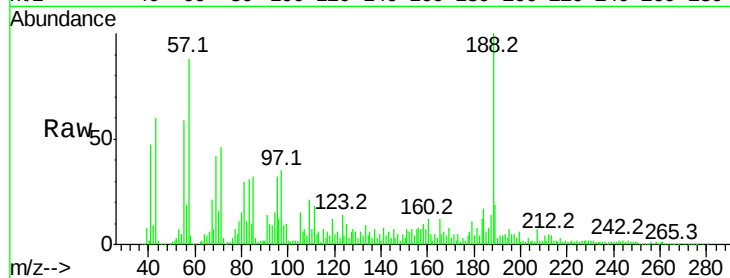
Tot Ion:188 Resp: 325014

Ion Ratio Lower Upper

188 100

94 14.9 10.0 15.0

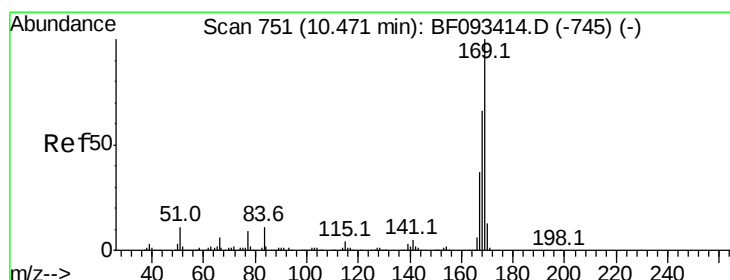
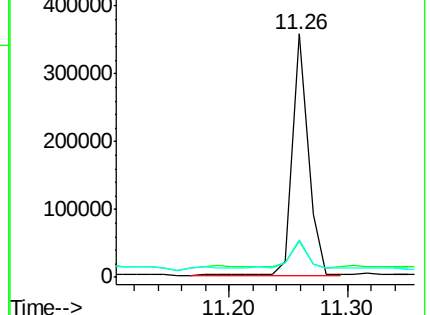
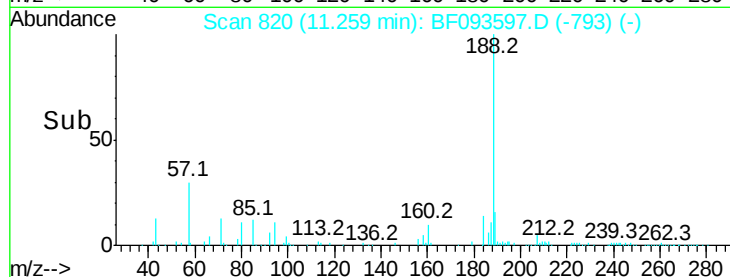
80 15.3 11.2 16.8



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



#65

n-Nitrosodiphenylamine

Concen: 35.29 ng

RT: 10.44 min Scan# 748

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

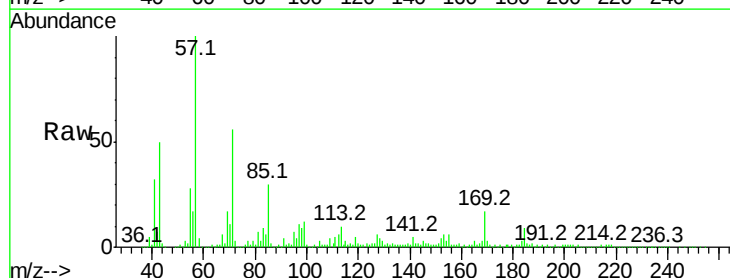
Tgt Ion:169 Resp: 382992

Ion Ratio Lower Upper

169 100

168 19.7 54.2 81.2#

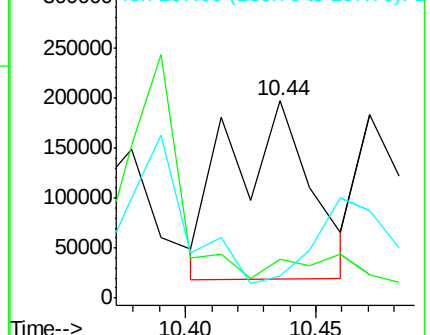
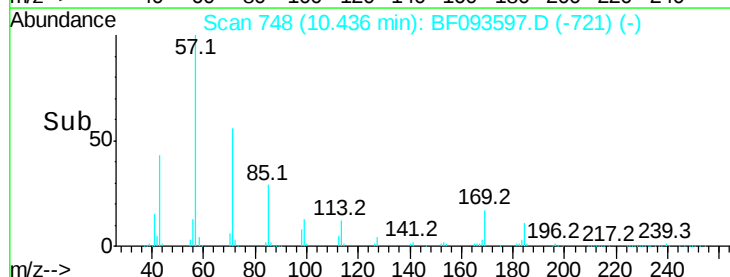
167 11.5 30.2 45.4#

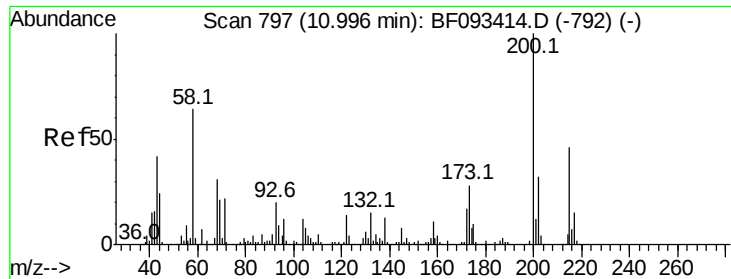


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

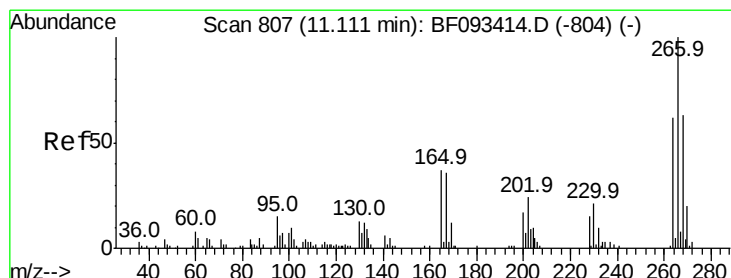
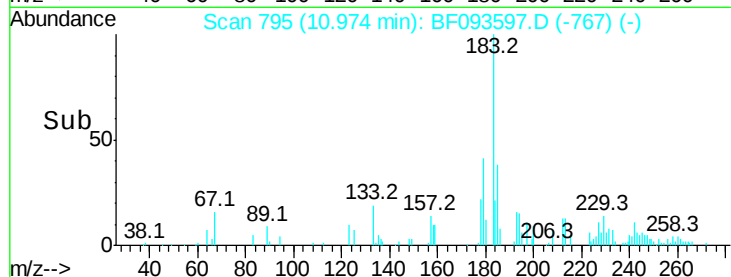
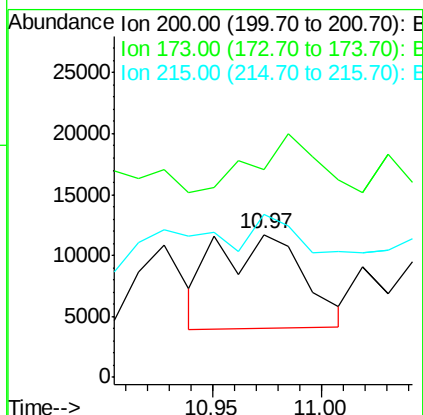
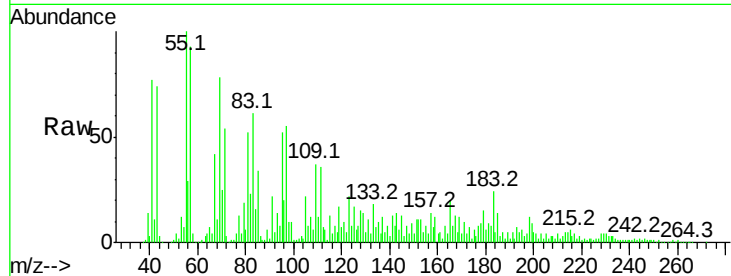




#68
Atrazine
Concen: 6.72 ng
RT: 10.97 min Scan# 795
Delta R.T. 0.02 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

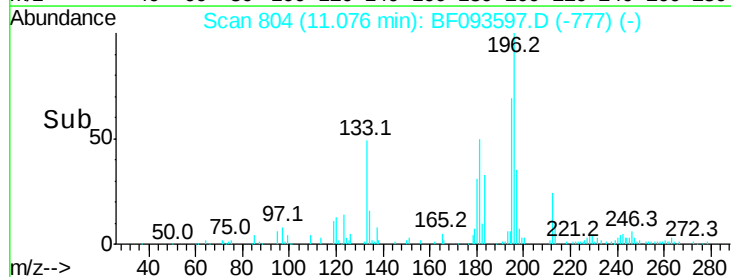
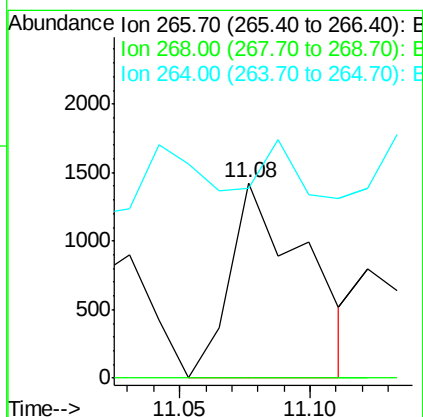
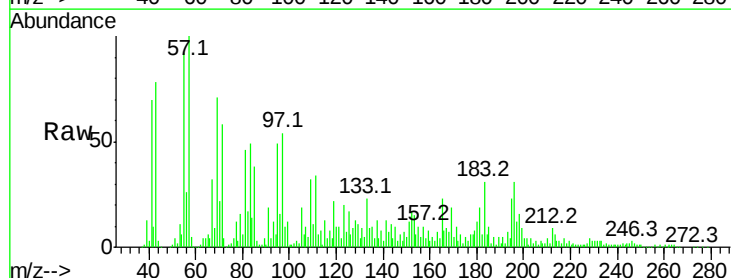
Instrument :
BNA_F
ClientSampleId :
HY-SB412A

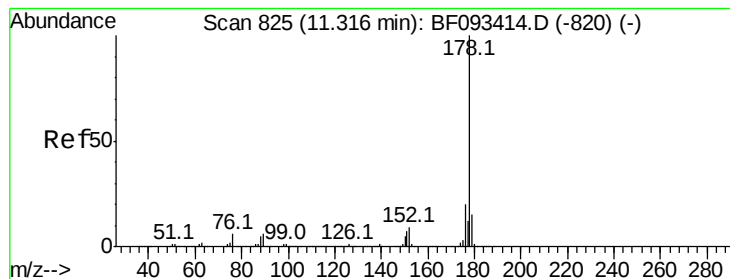
Tot Ion:200 Resp: 21350
Ion Ratio Lower Upper
200 100
173 146.2 9.6 49.6#
215 114.2 25.7 65.7#



#69
Pentachlorophenol
Concen: 2.54 ng
RT: 11.08 min Scan# 804
Delta R.T. 0.01 min
Lab File: BF093597.D
Acq: 12 Mar 2017 8:05

Tgt Ion:266 Resp: 2882
Ion Ratio Lower Upper
266 100
268 0.0 53.3 79.9#
264 97.3 50.3 75.5#





#70

Phenanthrene

Concen: 21.30 ng

RT: 11.28 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

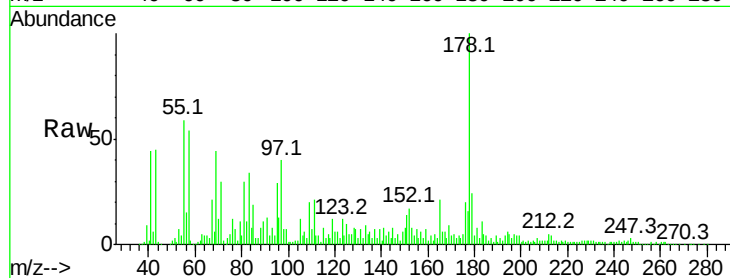
Tot Ion:178 Resp: 395242

Ion Ratio Lower Upper

178 100

176 20.1 16.6 25.0

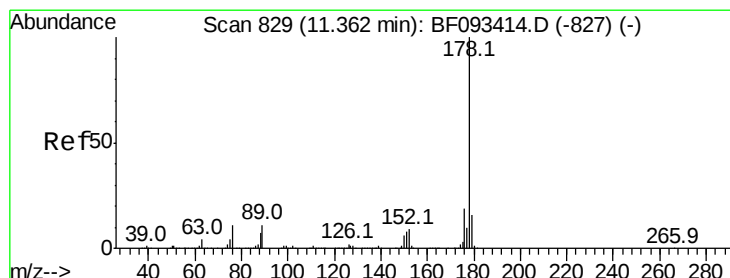
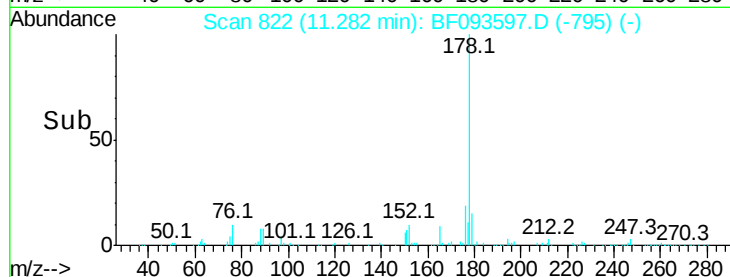
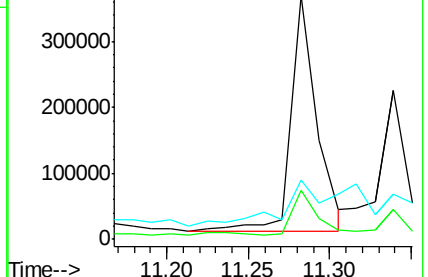
179 24.2 12.8 19.2#



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: 7.96 ng

RT: 11.34 min Scan# 827

Delta R.T. 0.02 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

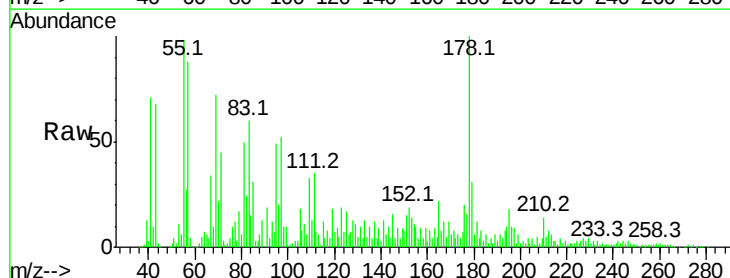
Tgt Ion:178 Resp: 149379

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

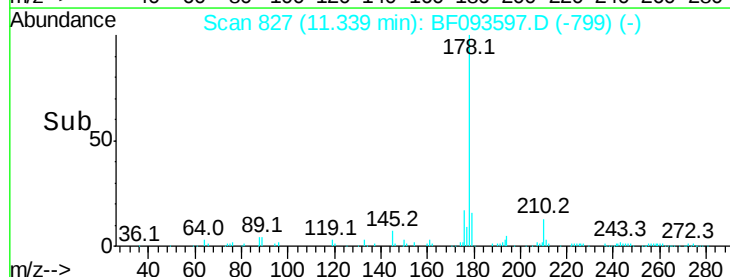
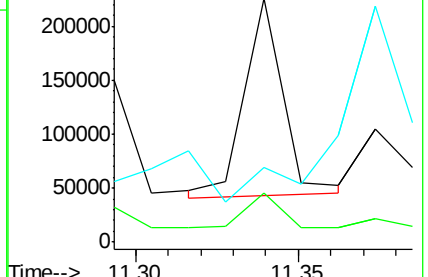
179 30.7 13.2 19.8#

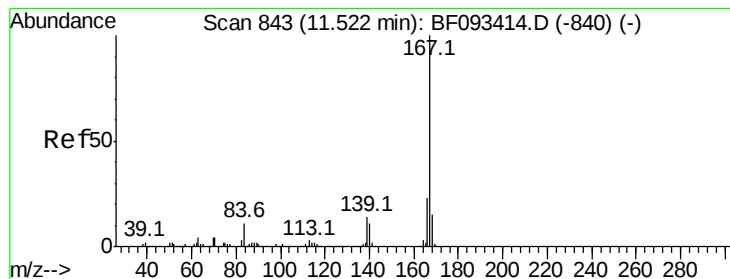


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.05 ng

RT: 11.50 min Scan# 841

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

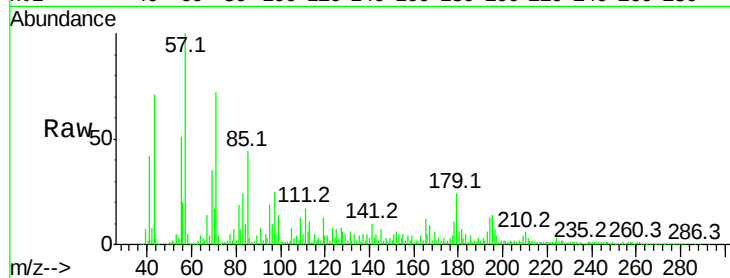
Tot Ion:167 Resp: 36060

Ion Ratio Lower Upper

167 100

166 57.0 18.2 27.2#

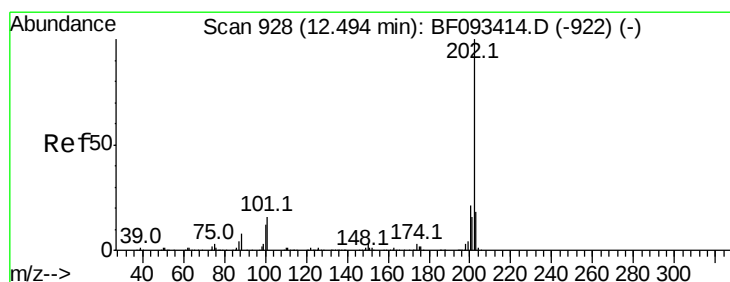
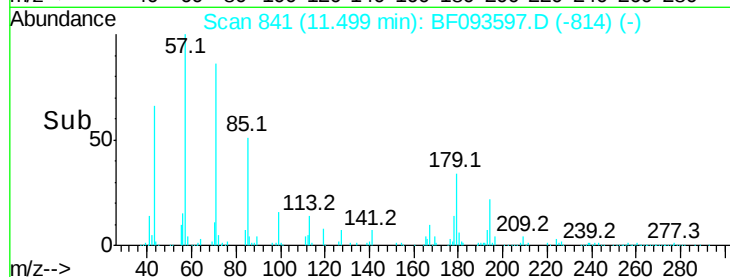
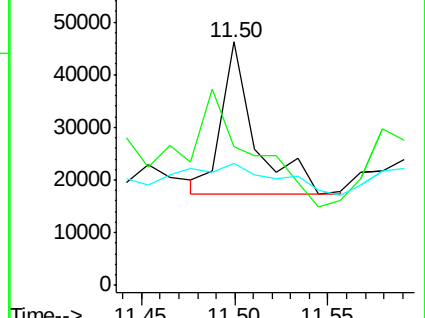
139 50.0 11.4 17.2#



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: 44.21 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

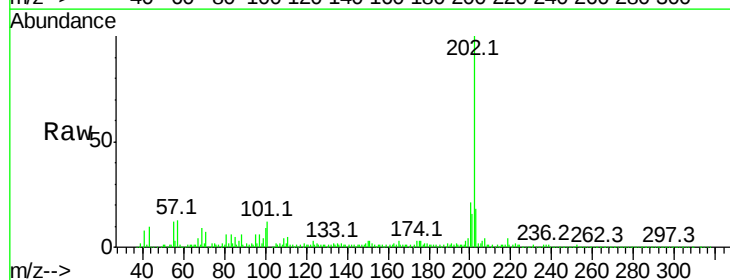
Tgt Ion:202 Resp: 792170

Ion Ratio Lower Upper

202 100

101 12.4 0.0 34.6

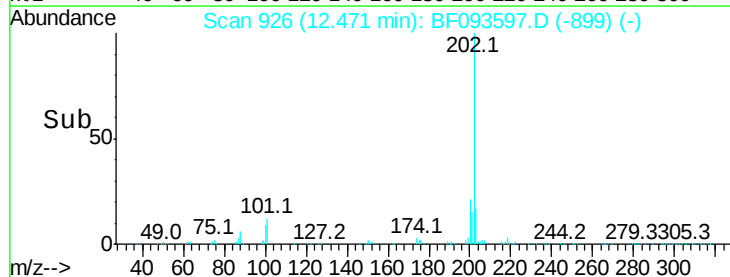
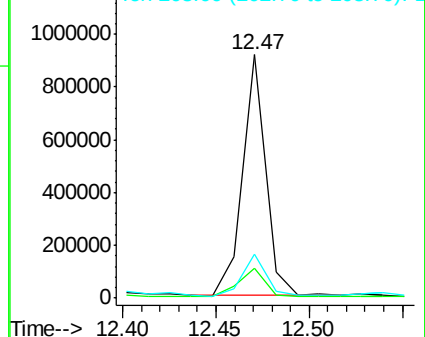
203 18.3 0.0 38.7

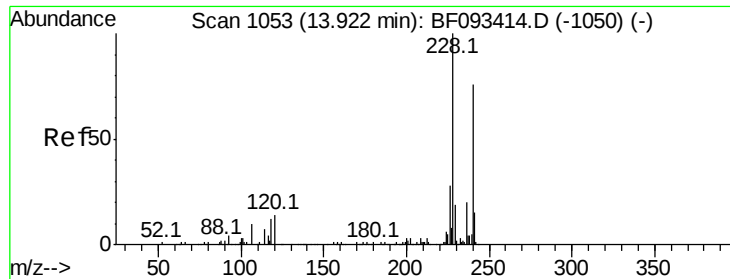


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 1050

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

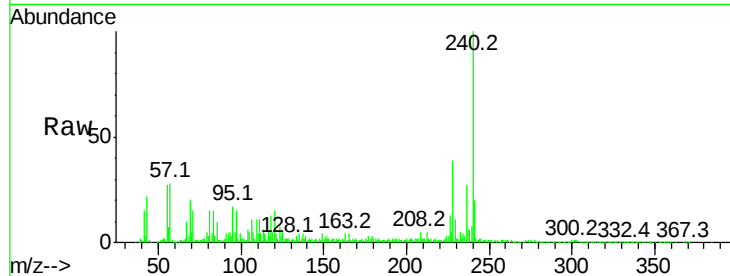
Tot Ion:240 Resp: 333271

Ion Ratio Lower Upper

240 100

120 15.3 12.9 19.3

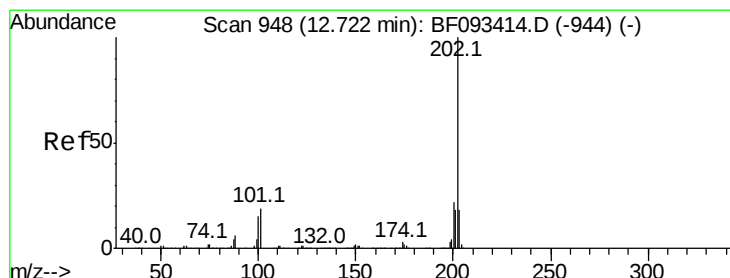
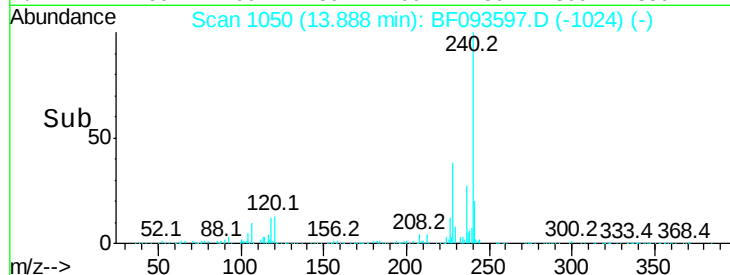
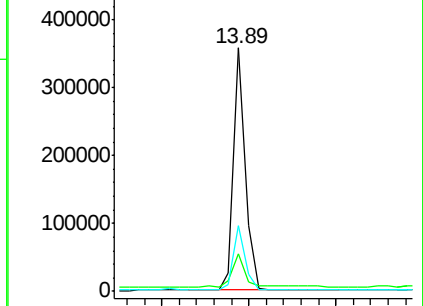
236 27.2 20.9 31.3



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: 36.69 ng

RT: 12.70 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

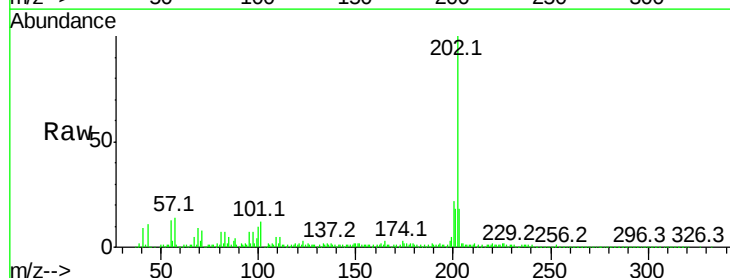
Tgt Ion:202 Resp: 889251

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

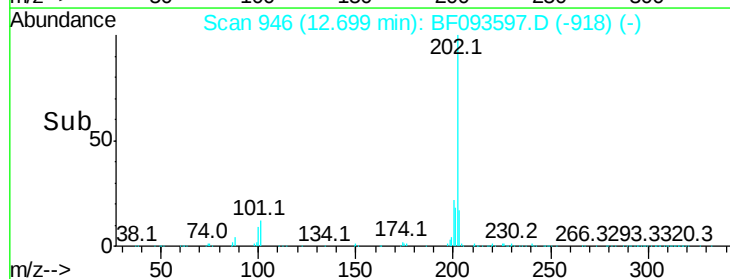
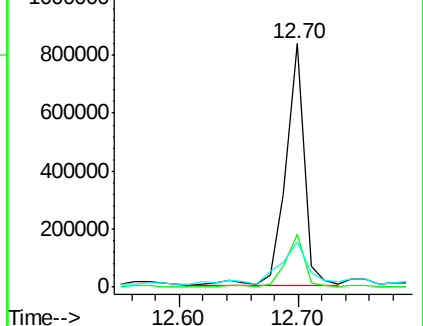
203 18.4 14.7 22.1

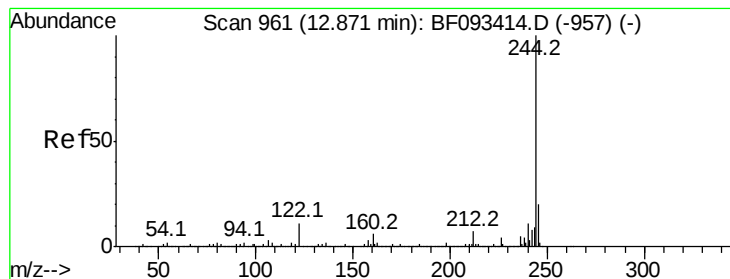


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 54.53 ng

RT: 12.84 min Scan# 958

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

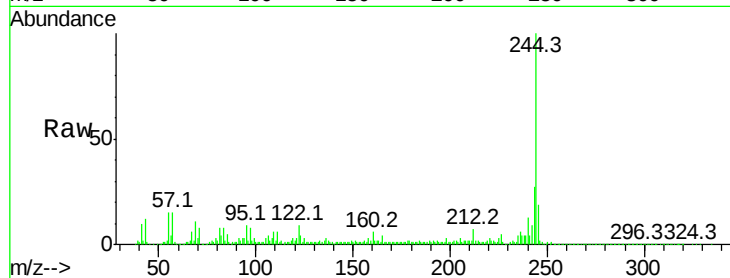
Tot Ion:244 Resp: 698940

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

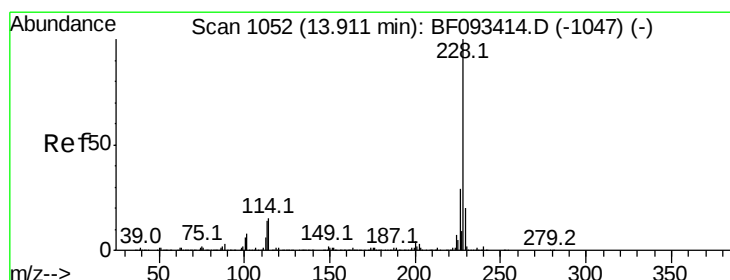
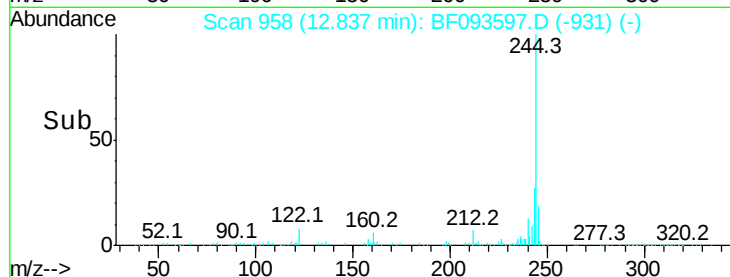
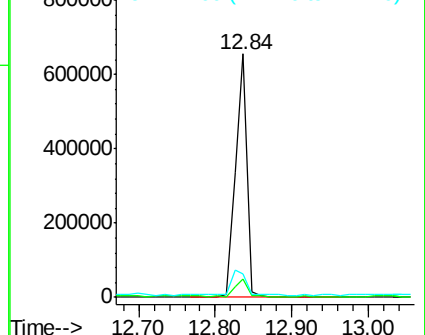
122 9.4 11.4 17.2#



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: 20.02 ng

RT: 13.88 min Scan# 1049

Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

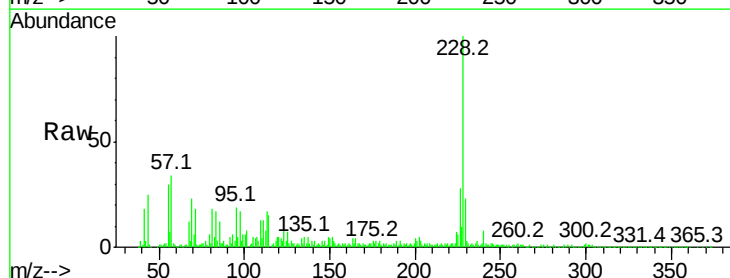
Tgt Ion:228 Resp: 393966

Ion Ratio Lower Upper

228 100

226 28.1 22.4 33.6

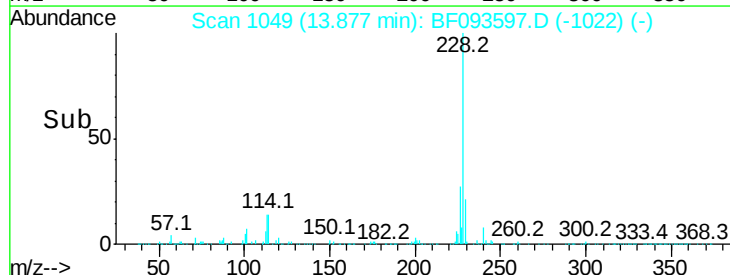
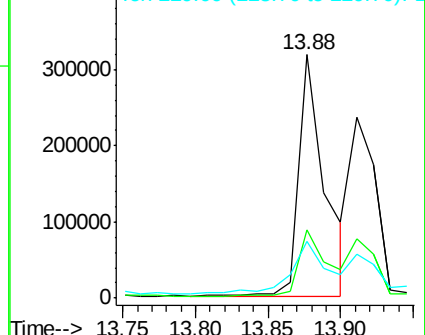
229 23.2 16.2 24.4

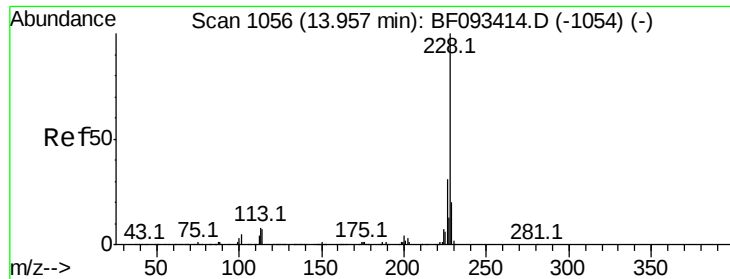


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.95 ng

RT: 13.91 min Scan# 1052

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

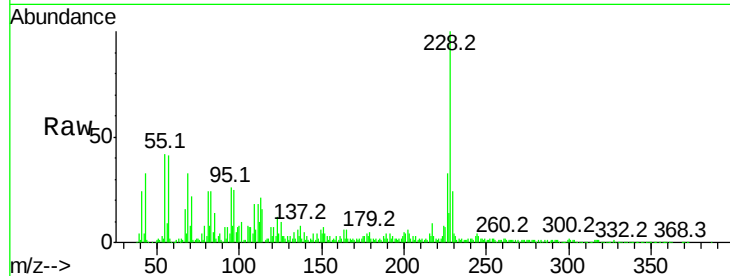
Tot Ion:228 Resp: 290387

Ion Ratio Lower Upper

228 100

226 32.6 25.4 38.0

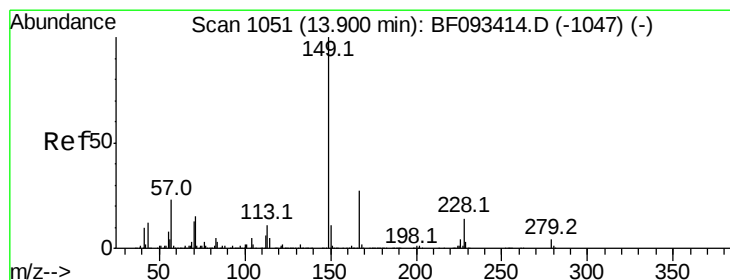
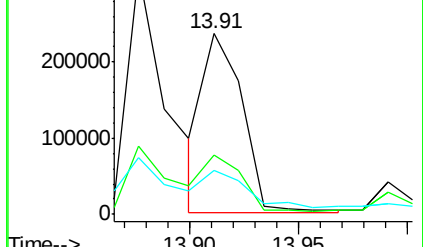
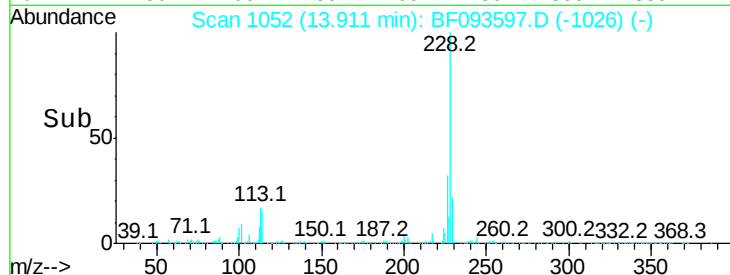
229 24.2 16.2 24.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.60 ng

RT: 13.85 min Scan# 1047

Delta R.T. 0.00 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

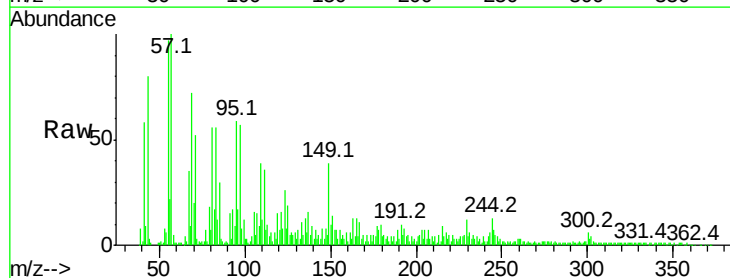
Tgt Ion:149 Resp: 51237

Ion Ratio Lower Upper

149 100

167 28.8 20.2 30.4

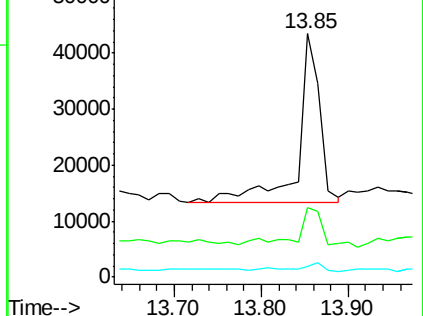
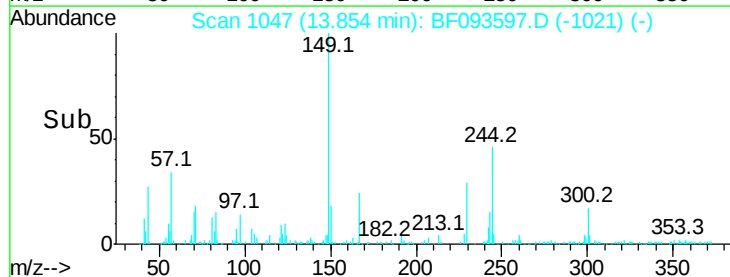
279 4.4 1.8 2.8#

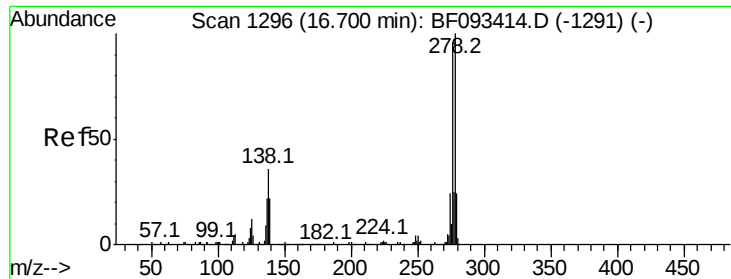


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

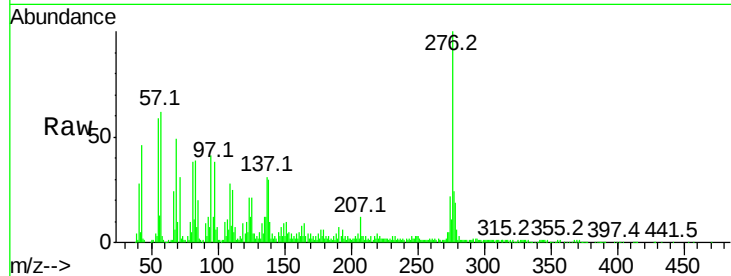




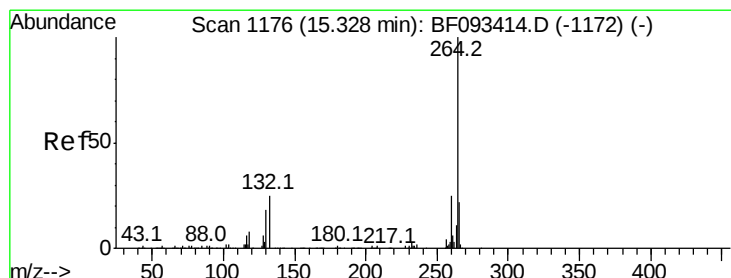
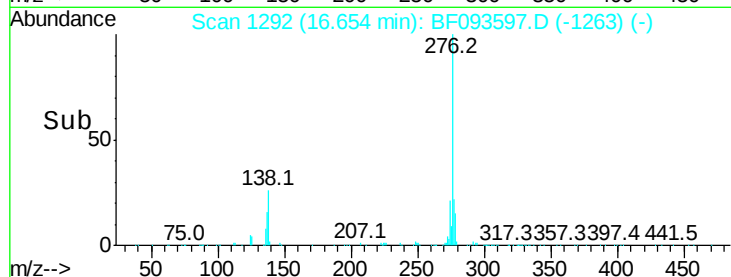
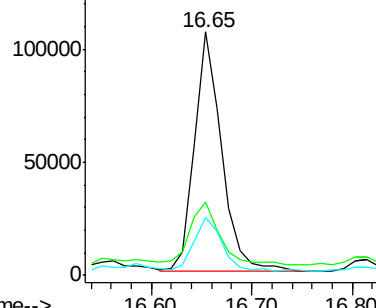
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 13.11 ng
 RT: 16.65 min Scan# 1292
 Delta R.T. 0.03 min
 Lab File: BF093597.D
 Acq: 12 Mar 2017 8:05

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB412A

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.2	21.8	32.6
277	23.3	20.2	30.4

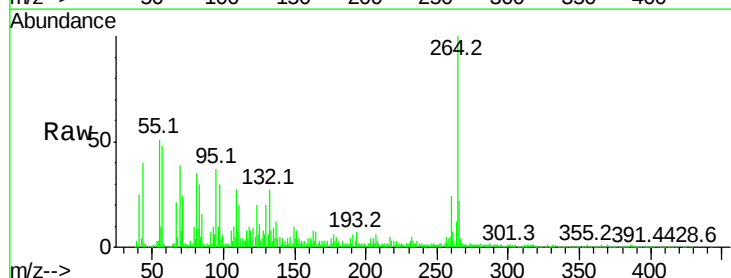


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

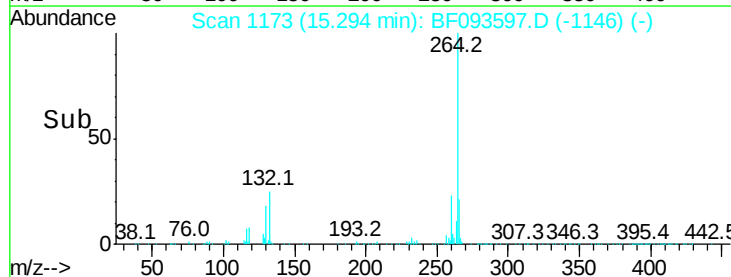
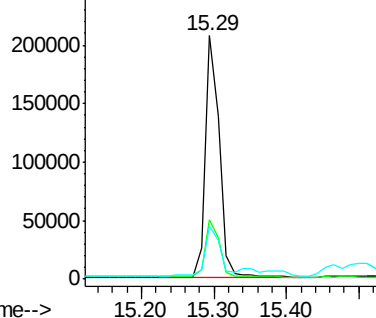


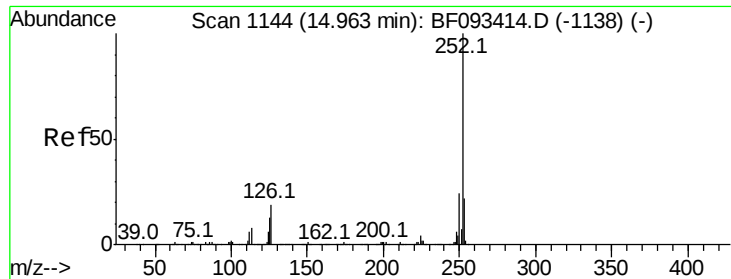
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1173
 Delta R.T. 0.01 min
 Lab File: BF093597.D
 Acq: 12 Mar 2017 8:05

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.8	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





#87

Benzo(b)fluoranthene

Concen: 32.27 ng

RT: 14.91 min Scan# 1139

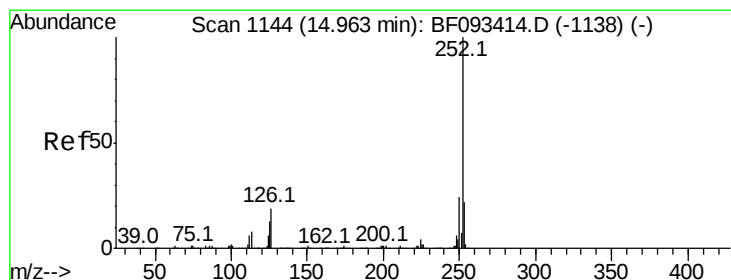
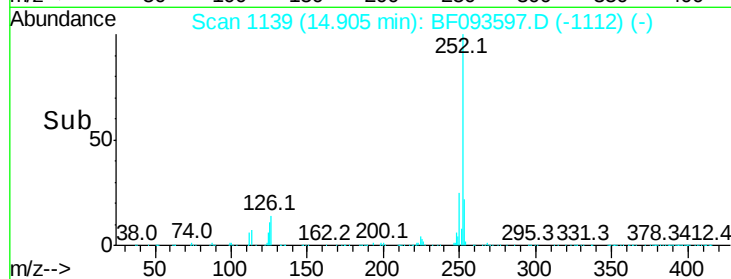
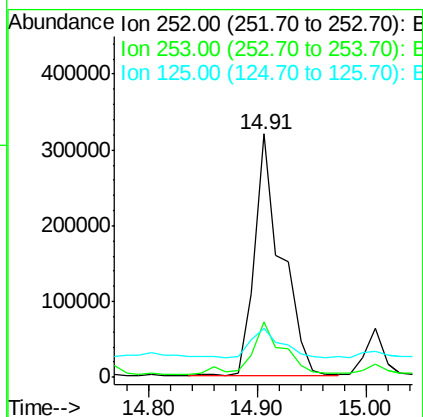
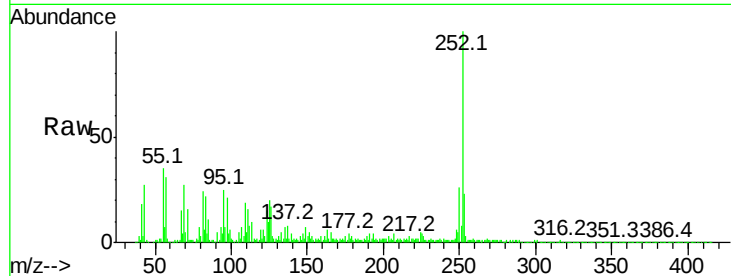
Delta R.T. 0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :
BNA_F
ClientSampleId :
HY-SB412A

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	20.2	9.8	14.6#



#88

Benzo(k)fluoranthene

Concen: 33.46 ng

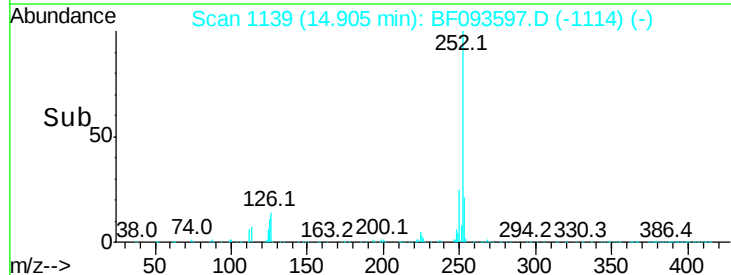
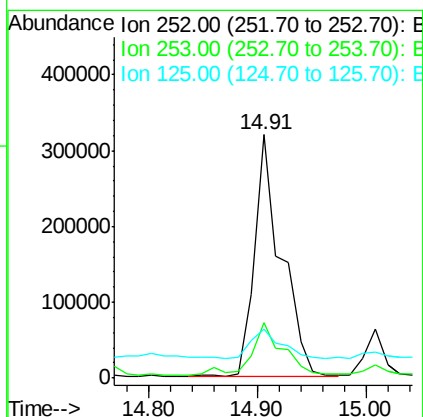
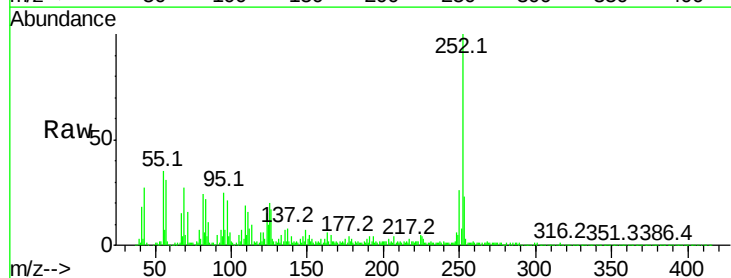
RT: 14.91 min Scan# 1139

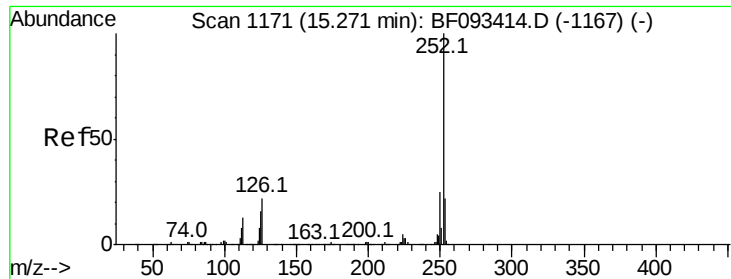
Delta R.T. -0.01 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.5	27.7
125	20.2	8.9	13.3#





#89

Benzo(a)pyrene

Concen: 18.08 ng

RT: 15.25 min Scan# 1169

Delta R.T. 0.02 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

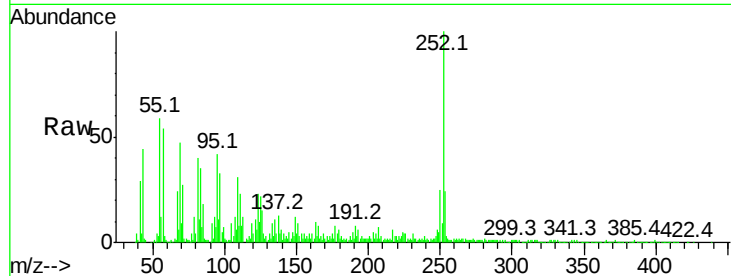
Tot Ion:252 Resp: 280043

Ion Ratio Lower Upper

252 100

253 24.3 18.2 27.2

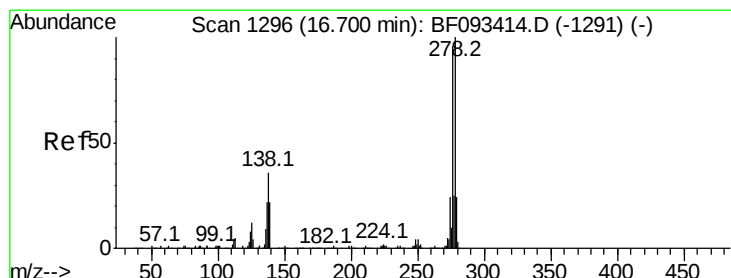
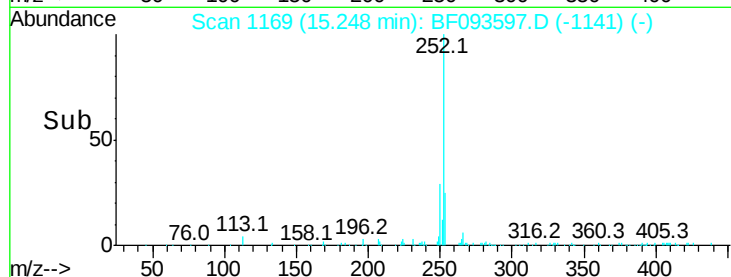
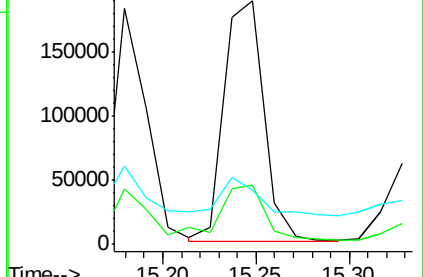
125 22.1 10.0 15.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 3.22 ng

RT: 16.65 min Scan# 1292

Delta R.T. 0.03 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

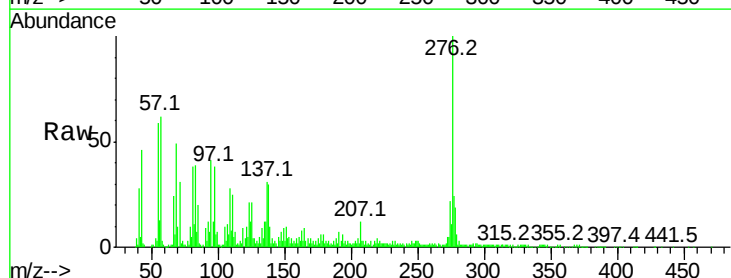
Tgt Ion:278 Resp: 41274

Ion Ratio Lower Upper

278 100

139 53.2 14.8 22.2#

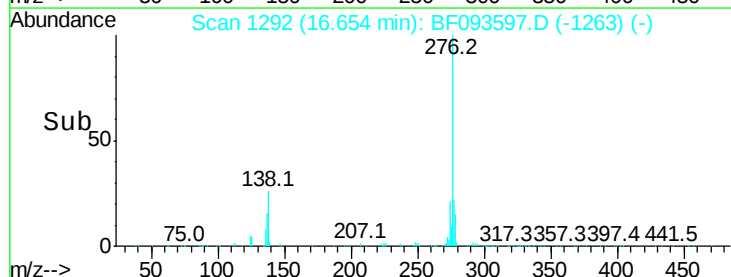
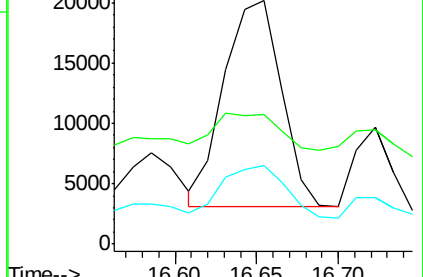
279 32.0 19.8 29.6#

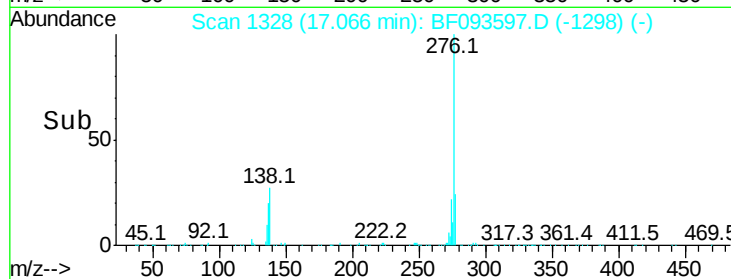
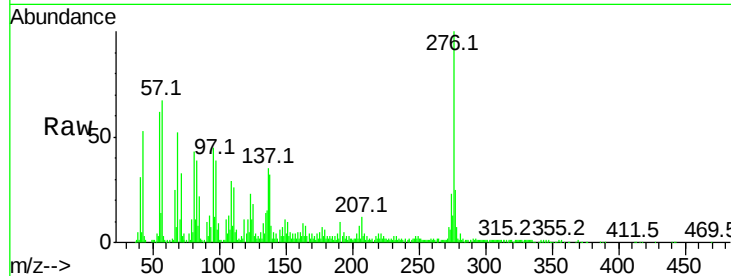
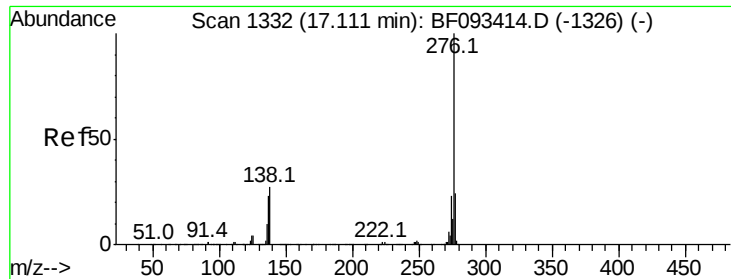


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 14.75 ng

RT: 17.07 min Scan# 1328

Delta R.T. 0.05 min

Lab File: BF093597.D

Acq: 12 Mar 2017 8:05

Instrument :

BNA_F

ClientSampleId :

HY-SB412A

Tot Ion:276 Resp: 193968

Ion Ratio Lower Upper

276 100

277 25.5 19.2 28.8

138 32.5 16.0 24.0

