

Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
 Data File : BF093600.D
 Acq On : 12 Mar 2017 9:27
 Operator : SJ/MA
 Sample : I2133-03DL 5X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422BDL

Quant Time: Mar 13 18:47:14 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	154588	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	456696	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	186406	20.00	ng	0.01
63) Phenanthrene-d10	11.26	188	317168	20.00	ng	0.01
75) Chrysene-d12	13.89	240	354105	20.00	ng	0.00
86) Perylene-d12	15.28	264	260615	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	246282	26.52	ng	0.00
7) Phenol-d6	6.39	99	306107	26.13	ng	0.01
23) Nitrobenzene-d5	7.29	82	207106	25.16	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	28908	23.80	ng	0.02
44) 2-Fluorobiphenyl	9.10	172	282460	28.19	ng	0.01
78) Terphenyl-d14	12.83	244	202956	14.90	ng	0.00

Target Compounds

						Qvalue
15) Benzyl Alcohol	6.88	79	18199	2.18	ng	# 46
18) Hexachloroethane	7.29	117	440964	107.21	ng	# 6
19) n-Nitroso-di-n-propylamine	7.16	70	93060	11.56	ng	# 63
22) Acetophenone	7.06	105	138968	12.64	ng	# 52
24) Nitrobenzene	7.26	77	76910	8.31	ng	# 30
25) Isophorone	7.53	82	179295	10.80	ng	# 1
26) 2-Nitrophenol	7.64	139	13693	3.24	ng	# 1
28) bis(2-Chloroethoxy)methane	7.77	93	29975	2.86	ng	# 1
29) 2,4-Dichlorophenol	7.85	162	26417	4.09	ng	# 16
31) Naphthalene	8.06	128	134028	5.86	ng	# 1
32) Benzoic acid	7.80	122	17530	4.91	ng	# 19
33) 4-Chloroaniline	8.06	127	40105	4.32	ng	# 1
35) Caprolactam	8.45	113	190887	86.53	ng	# 1
36) 4-Chloro-3-methylphenol	8.64	107	29882	4.33	ng	# 36
37) 2-Methylnaphthalene	8.84	142	865495	59.44	ng	# 92
42) 2,4,6-Trichlorophenol	9.02	196	21133	6.65	ng	# 9
43) 2,4,5-Trichlorophenol	9.02	196	21133	6.19	ng	# 1
47) 2-Nitroaniline	9.41	65	9907	2.70	ng	# 22
48) Acenaphthylene	9.65	152	88100	5.14	ng	# 1
49) Dimethylphthalate	9.50	163	157444	12.74	ng	# 89
50) 2,6-Dinitrotoluene	9.58	165	6637	2.45	ng	# 6
51) Acenaphthene	9.81	154	177898	17.55	ng	# 82
52) 3-Nitroaniline	9.75	138	29842	9.16	ng	# 37
53) 2,4-Dinitrophenol	10.07	184	34651	28.06	ng	# 87
54) Dibenzofuran	9.99	168	116359	9.17	ng	# 1
55) 4-Nitrophenol	9.99	139	109899	69.45	ng	# 52
56) 2,4-Dinitrotoluene	9.99	165	43987	13.20	ng	# 59
57) Fluorene	10.33	166	343350	31.94	ng	# 85
61) 4-Nitroaniline	10.23	138	15476	4.64	ng	# 85
62) Azobenzene	10.49	77	49045	3.65	ng	# 1
65) n-Nitrosodiphenylamine	10.41	169	548759	51.82	ng	# 68
68) Atrazine	10.97	200	34194	11.03	ng	# 32
69) Pentachlorophenol	11.10	266	4122	3.73	ng	# 10
70) Phenanthrene	11.28	178	961727	53.12	ng	# 94

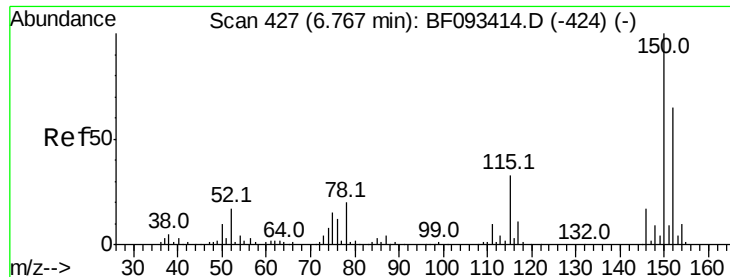
Data Path : Z:\HPCHEM1\BNA F\Data\BF031117\
Data File : BF093600.D
Acq On : 12 Mar 2017 9:27
Operator : SJ/MA
Sample : I2133-03DL 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

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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)
71) Anthracene	11.37	178	274017	14.96	ng	# 1
74) Fluoranthene	12.47	202	83254	4.76	ng	90
77) Pyrene	12.70	202	261398	10.15	ng	# 89
80) Benzo(a)anthracene	13.88	228	41869	2.00	ng	# 77
82) Chrysene	13.88	228	41869	2.16	ng	# 83

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.72 min Scan# 423

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

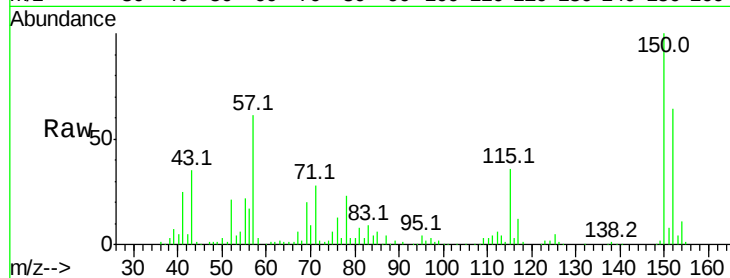
Tot Ion:152 Resp: 154588

Ion Ratio Lower Upper

152 100

150 155.3 124.9 187.3

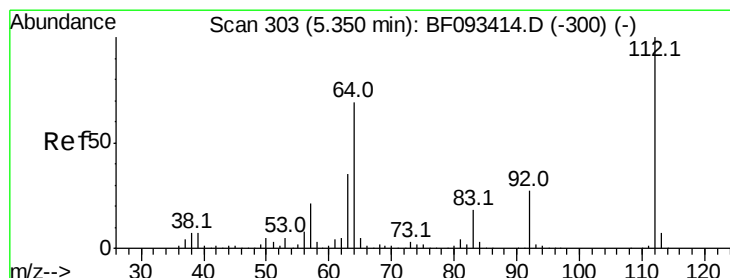
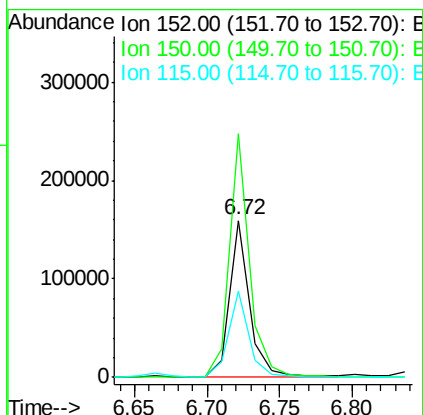
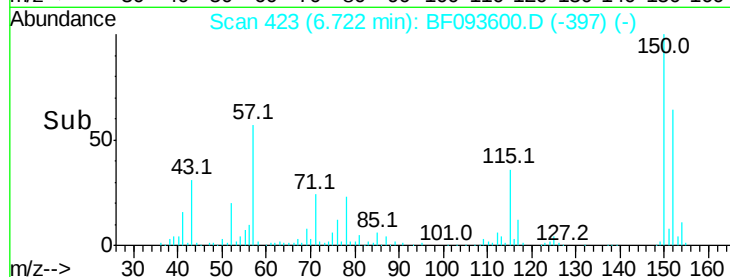
115 55.4 46.0 69.0



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: 26.52 ng

RT: 5.32 min Scan# 300

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

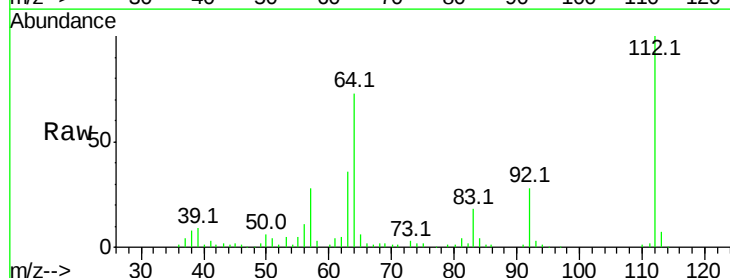
Tgt Ion:112 Resp: 246282

Ion Ratio Lower Upper

112 100

64 73.0 46.1 69.1#

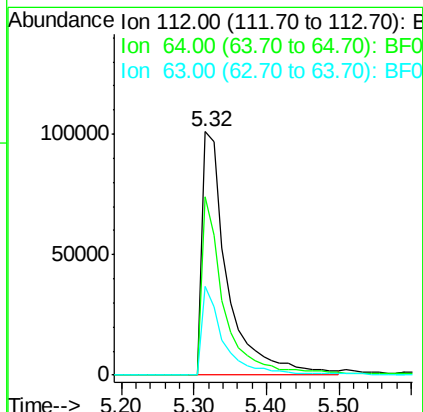
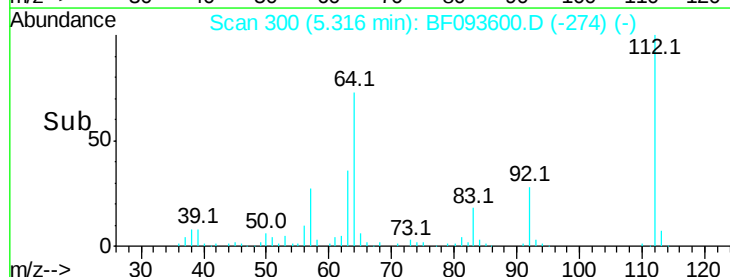
63 36.3 23.8 35.6#

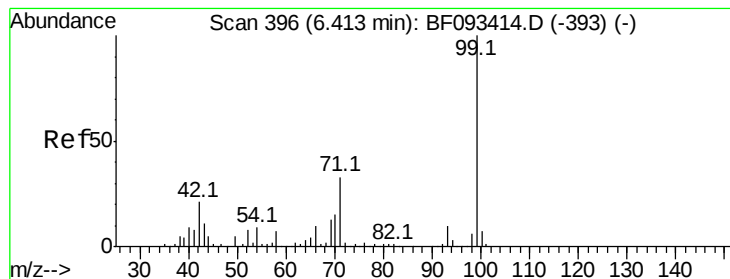


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 26.13 ng

RT: 6.39 min Scan# 394

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

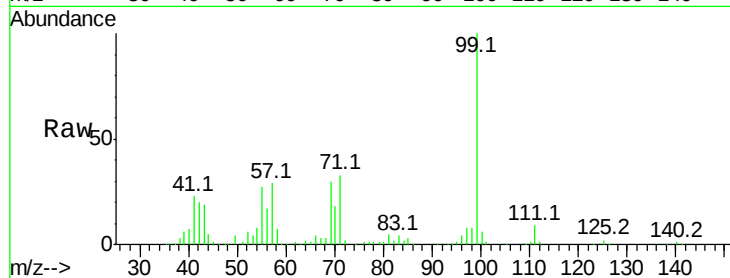
Tot Ion: 99 Resp: 306107

Ion Ratio Lower Upper

99 100

42 20.0 15.6 23.4

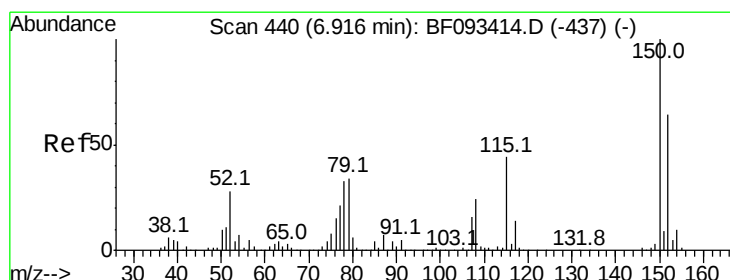
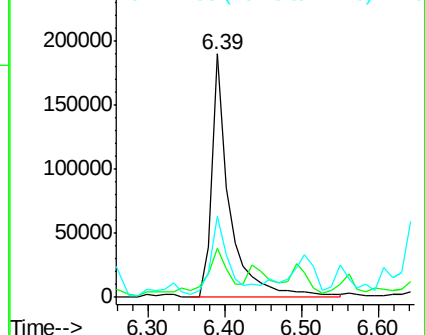
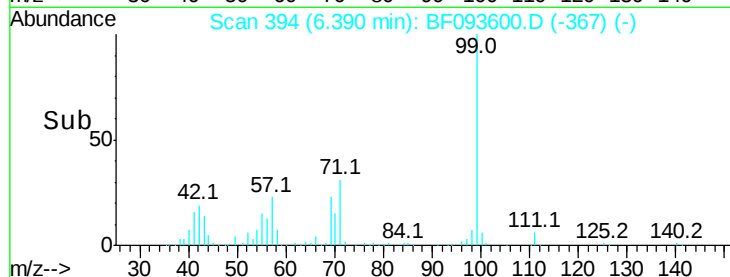
71 33.2 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.18 ng

RT: 6.88 min Scan# 437

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

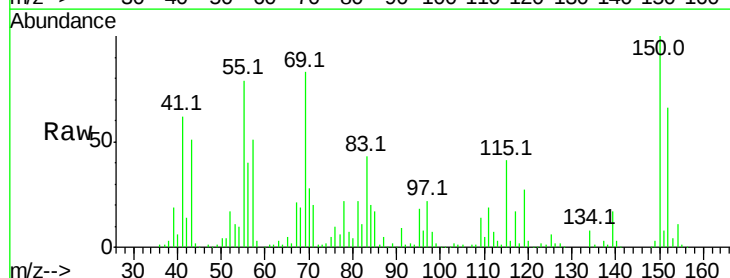
Tgt Ion: 79 Resp: 18199

Ion Ratio Lower Upper

79 100

108 14.8 61.4 92.0#

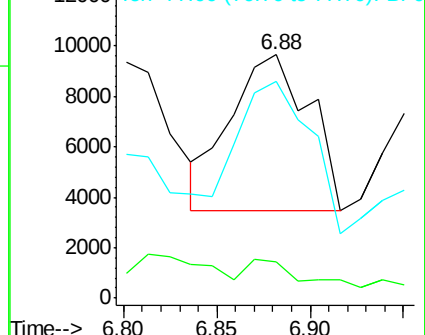
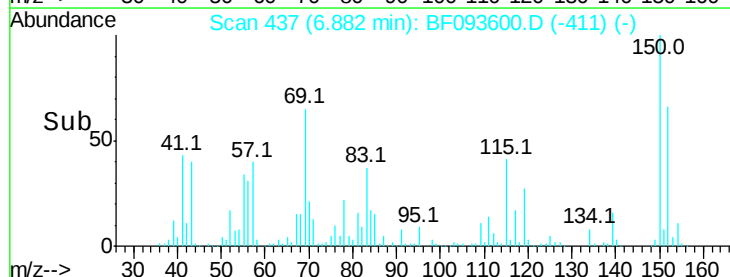
77 88.8 50.9 76.3#

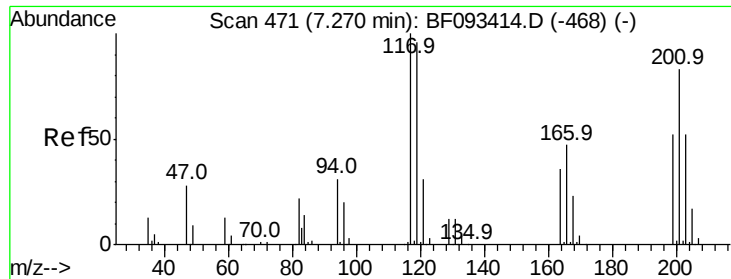


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF0





#18

Hexachloroethane

Concen: 107.21 ng

RT: 7.29 min Scan# 473

Delta R.T. 0.07 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

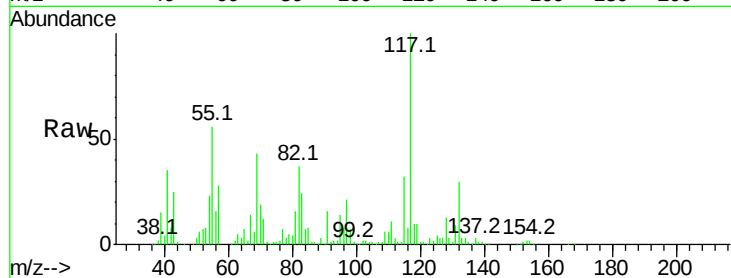
Tot Ion:117 Resp: 440964

Ion Ratio Lower Upper

117 100

119 9.9 78.1 117.1#

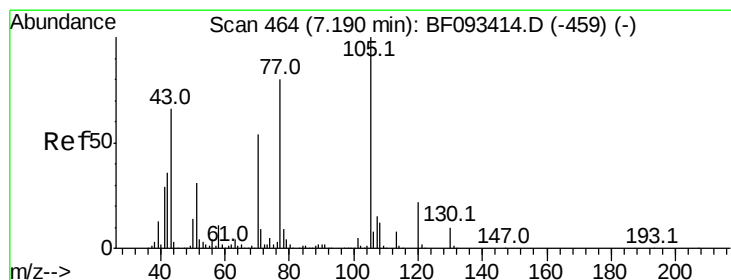
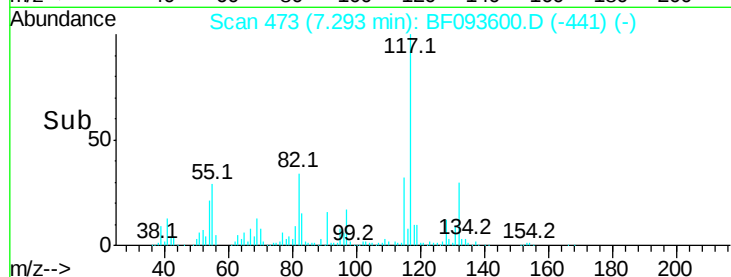
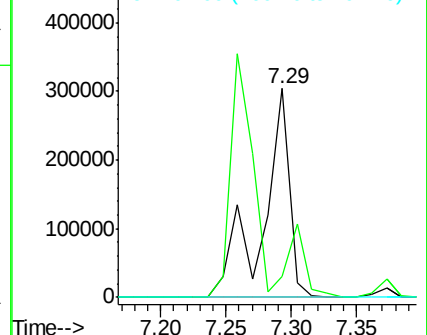
201 0.0 78.6 117.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E



#19

n-Nitroso-di-n-propylamine

Concen: 11.56 ng

RT: 7.16 min Scan# 461

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Tgt Ion: 70 Resp: 93060

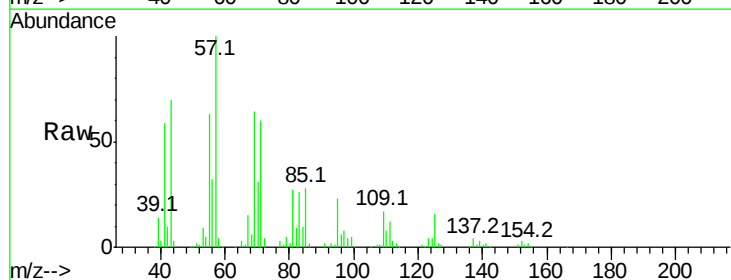
Ion Ratio Lower Upper

70 100

42 32.3 49.4 74.0#

101 0.0 7.4 11.2#

130 0.0 14.2 21.4#

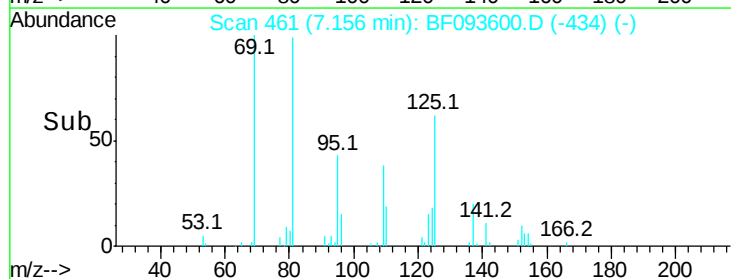
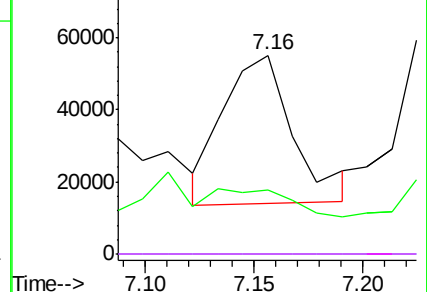


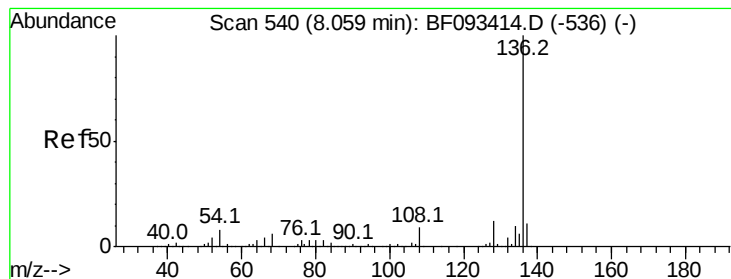
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 536

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

Tot Ion:136 Resp: 456696

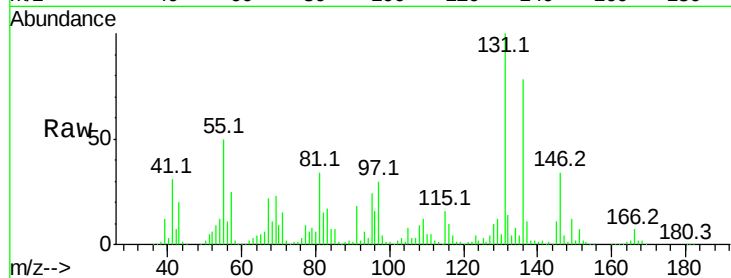
Ion Ratio Lower Upper

136 100

137 13.5 8.4 12.6#

54 15.9 4.5 6.7#

68 14.3 3.6 5.4#

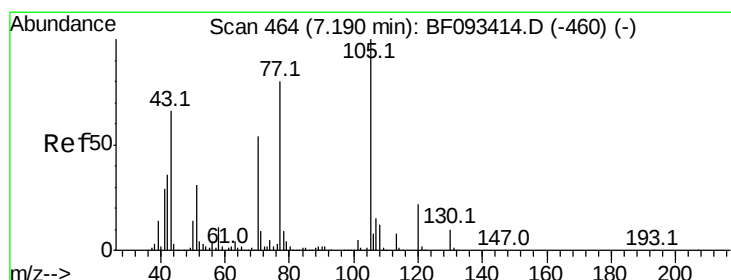
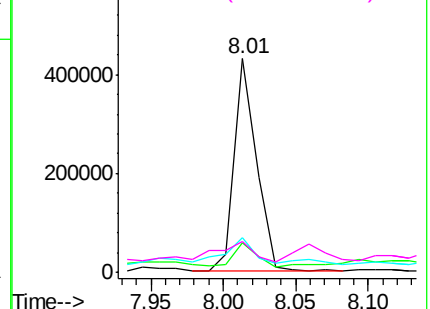
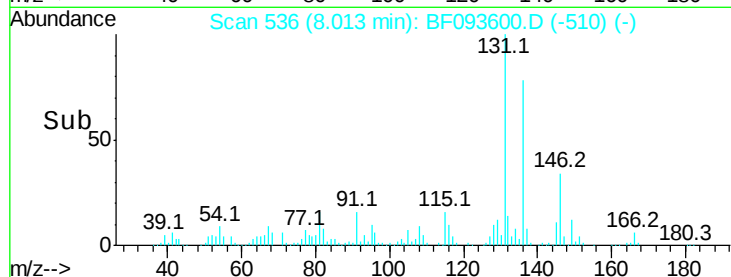


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 12.64 ng

RT: 7.06 min Scan# 453

Delta R.T. -0.08 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Tgt Ion:105 Resp: 138968

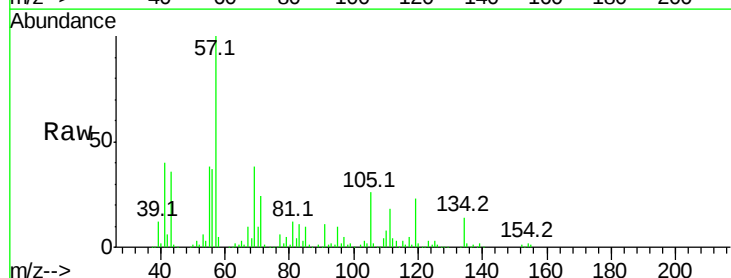
Ion Ratio Lower Upper

105 100

71 91.7 3.2 4.8#

51 13.2 26.2 39.4#

120 8.5 16.6 24.8#

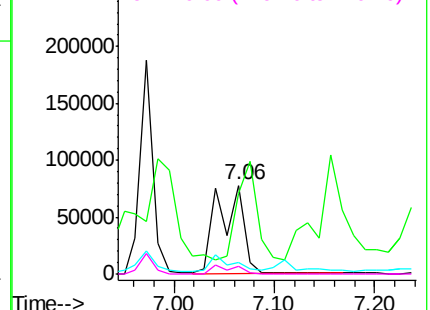
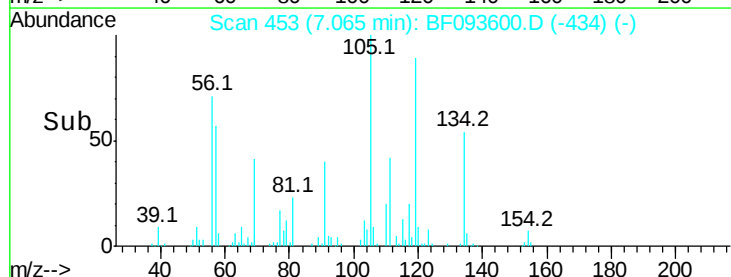


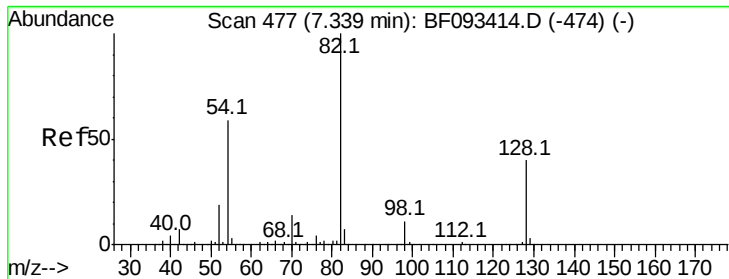
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

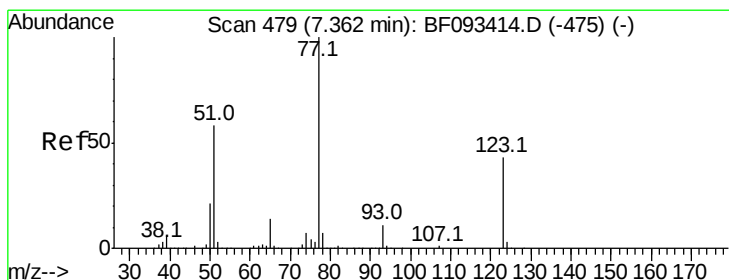
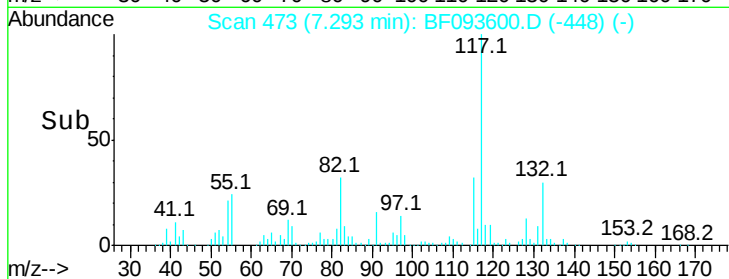
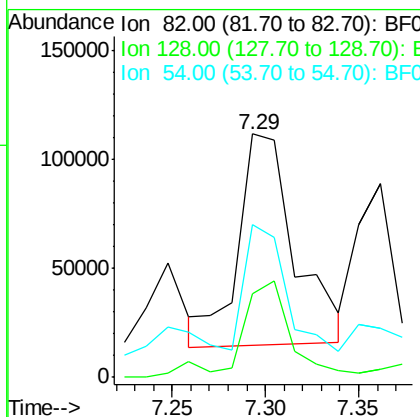
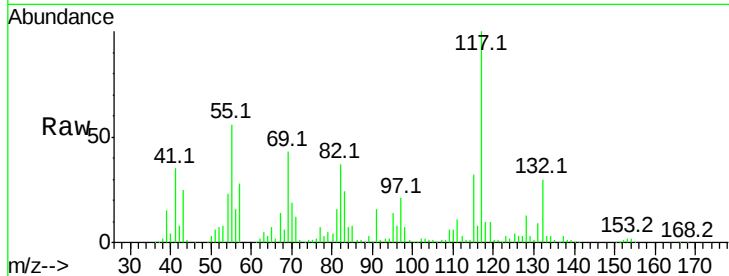




#23
Nitrobenzene-d5
Concen: 25.16 ng
RT: 7.29 min Scan# 473
Delta R.T. -0.01 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

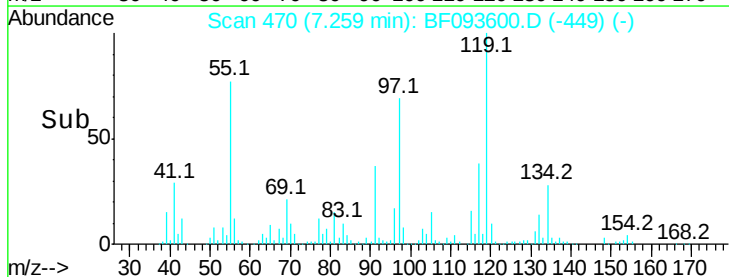
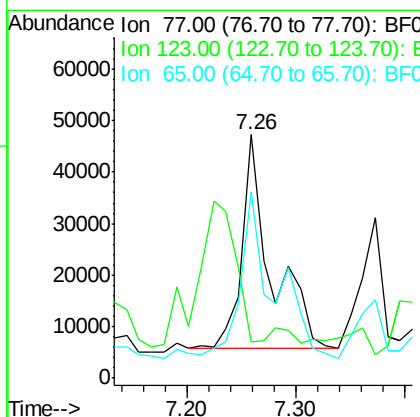
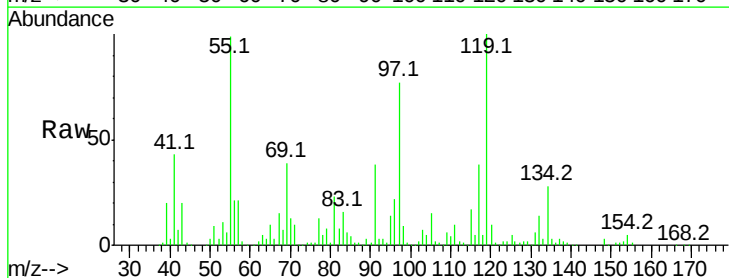
Instrument :
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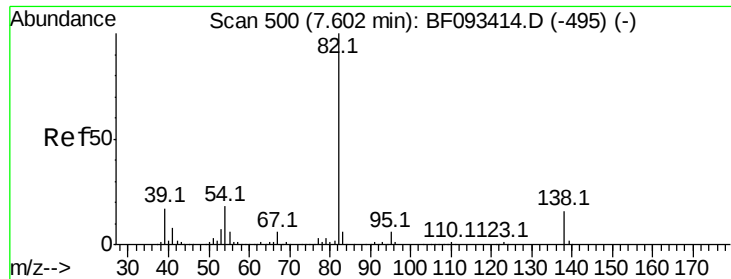
Tot Ion: 82 Resp: 207106
Ion Ratio Lower Upper
82 100
128 34.1 34.6 52.0#
54 62.5 39.5 59.3#



#24
Nitrobenzene
Concen: 8.31 ng
RT: 7.26 min Scan# 470
Delta R.T. -0.06 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

Tgt Ion: 77 Resp: 76910
Ion Ratio Lower Upper
77 100
123 15.0 33.0 49.4#
65 76.3 11.2 16.8#





#25

Isophorone

Concen: 10.80 ng

RT: 7.53 min Scan# 494

Delta R.T. -0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

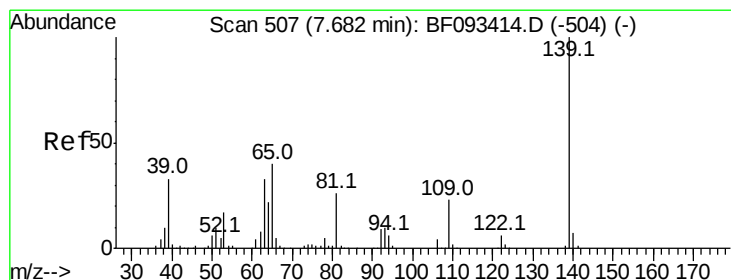
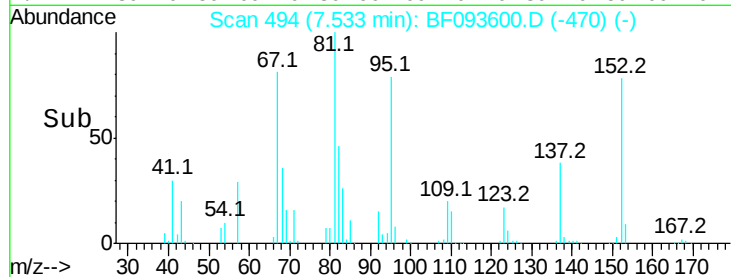
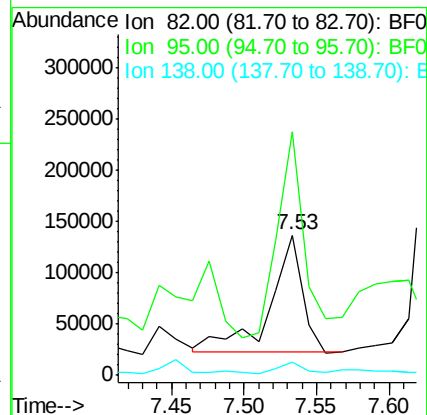
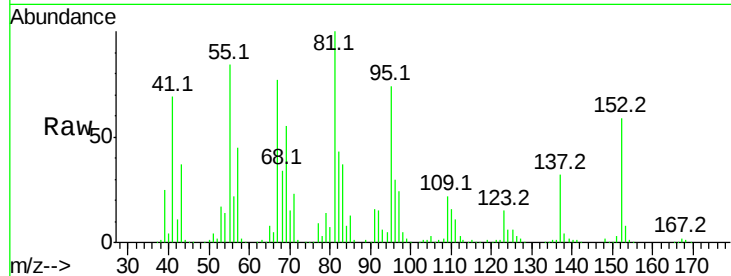
Tot Ion: 82 Resp: 179295

Ion Ratio Lower Upper

82 100

95 173.3 5.6 8.4#

138 9.3 14.6 22.0#



#26

2-Nitrophenol

Concen: 3.24 ng

RT: 7.64 min Scan# 503

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

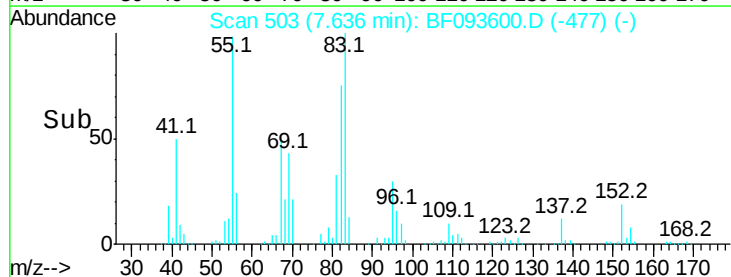
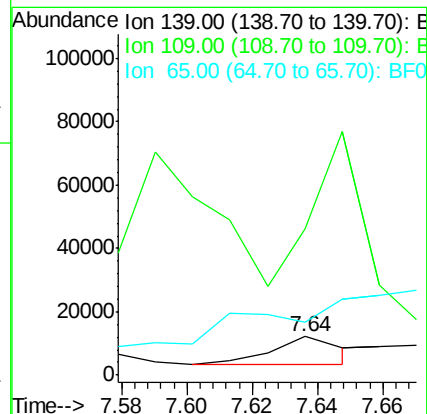
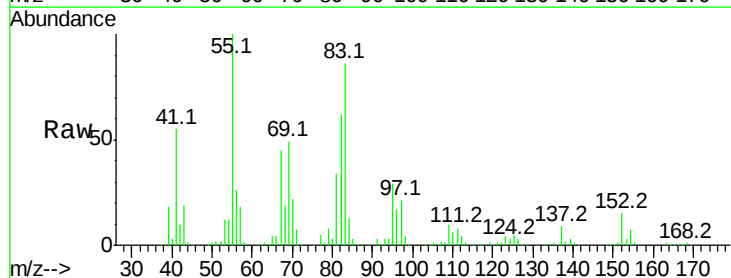
Tgt Ion: 139 Resp: 13693

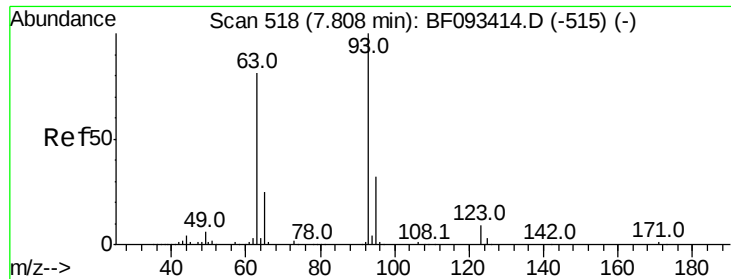
Ion Ratio Lower Upper

139 100

109 379.4 23.3 34.9#

65 135.9 42.7 64.1#

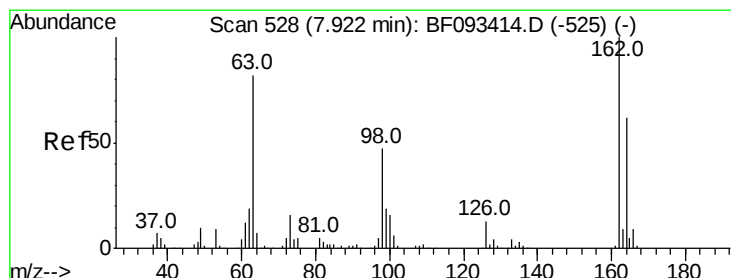
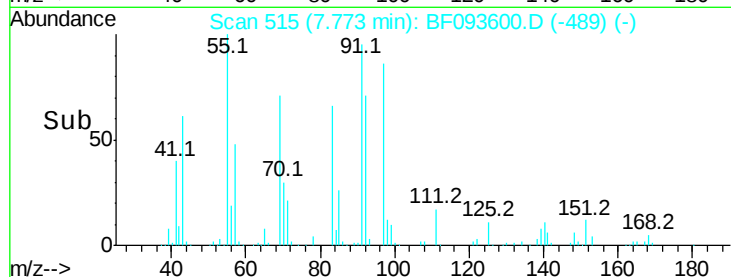
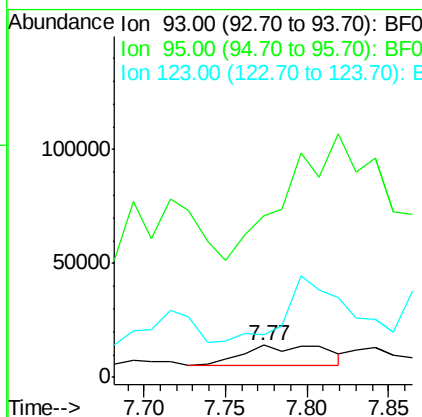
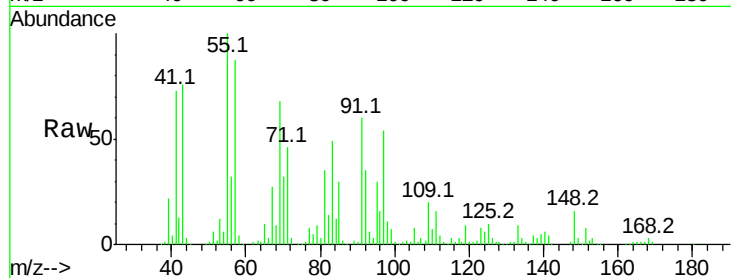




#28
 bis(2-Chloroethoxy)methane
 Concen: 2.86 ng
 RT: 7.77 min Scan# 515
 Delta R.T. 0.00 min
 Lab File: BF093600.D
 Acq: 12 Mar 2017 9:27

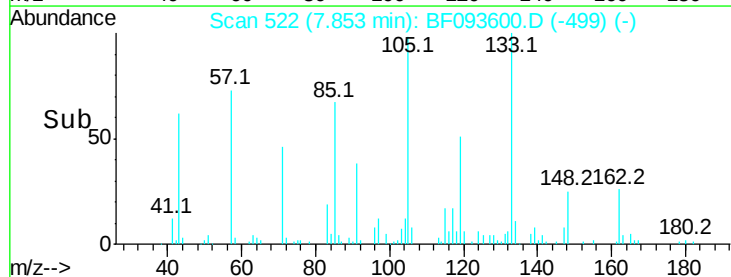
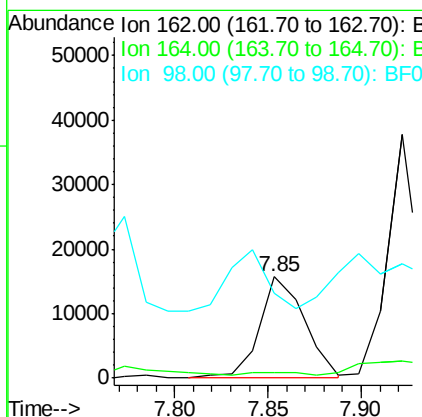
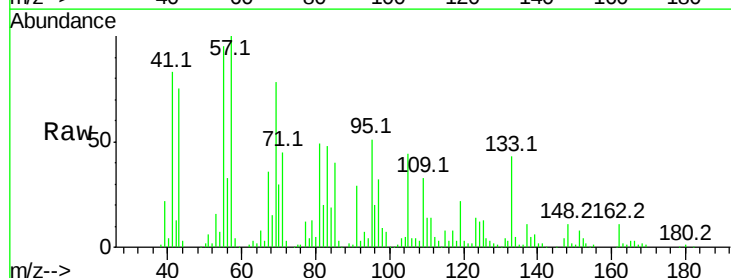
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB422BDL

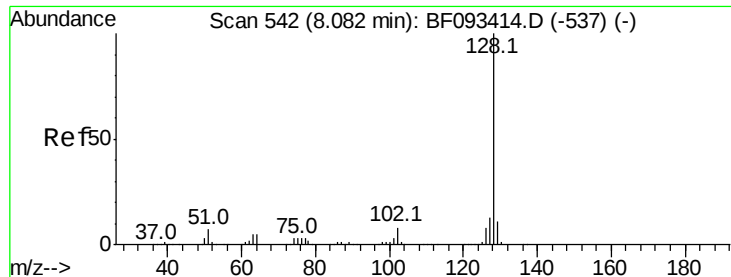
Tot Ion: 93 Resp: 29975
 Ion Ratio Lower Upper
 93 100
 95 507.4 26.5 39.7#
 123 134.9 8.6 13.0#



#29
 2,4-Dichlorophenol
 Concen: 4.09 ng
 RT: 7.85 min Scan# 522
 Delta R.T. -0.03 min
 Lab File: BF093600.D
 Acq: 12 Mar 2017 9:27

Tgt Ion:162 Resp: 26417
 Ion Ratio Lower Upper
 162 100
 164 5.7 46.8 86.8#
 98 83.6 9.1 49.1#

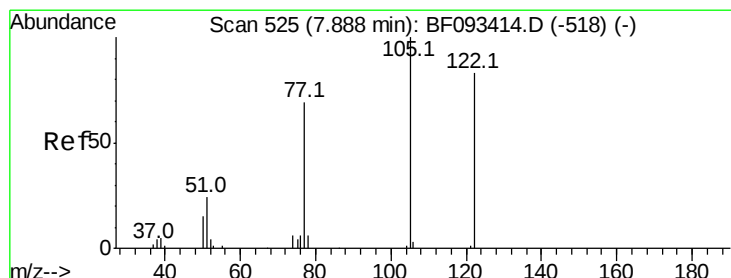
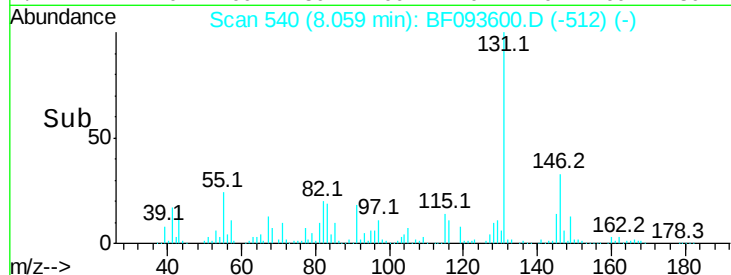
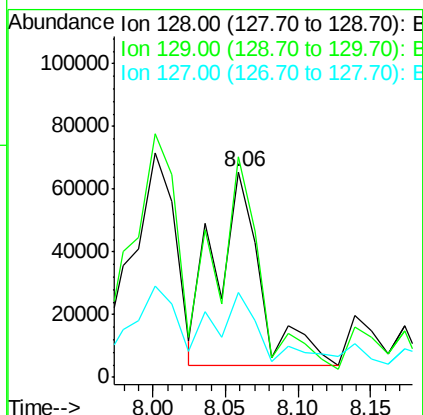
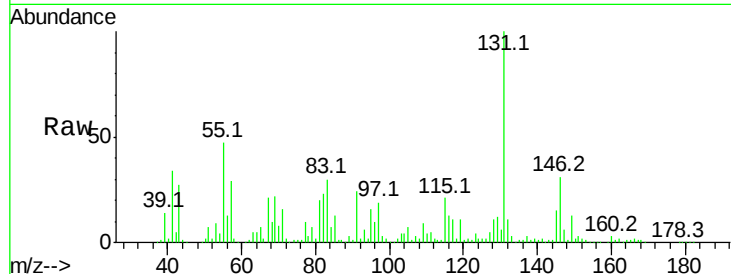




#31
Naphthalene
Concen: 5.86 ng
RT: 8.06 min Scan# 540
Delta R.T. 0.02 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

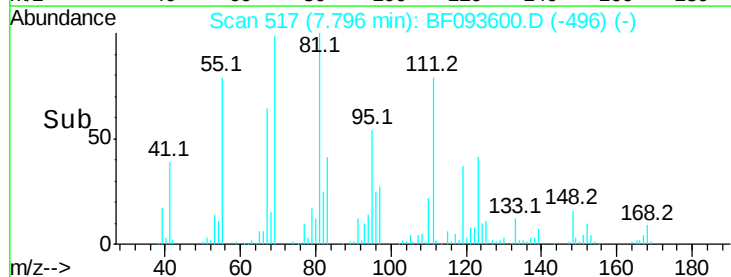
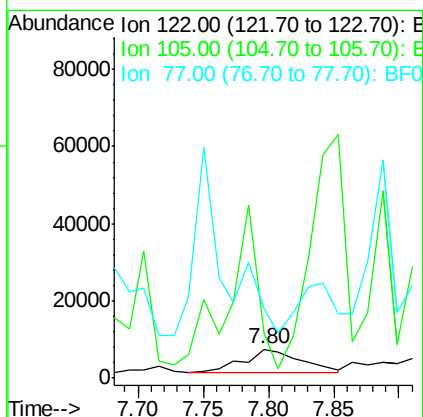
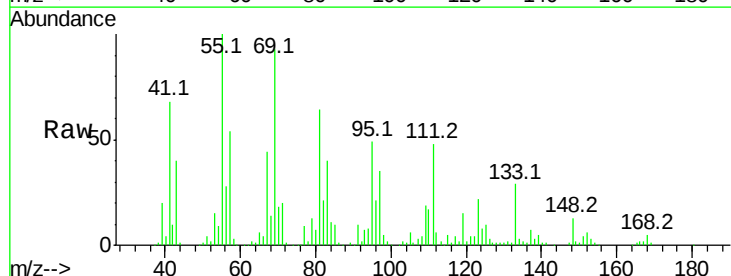
Instrument :
BNA_F
ClientSampleId :
HY-SB422BDL

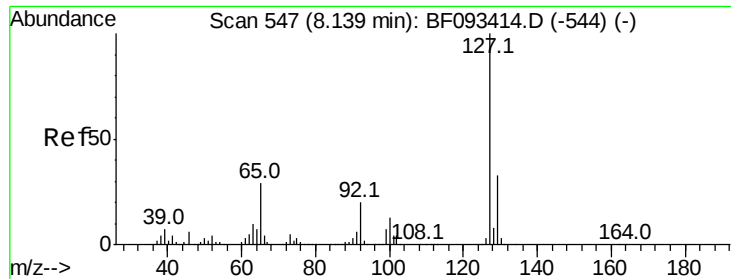
Tot Ion:128 Resp: 134028
Ion Ratio Lower Upper
128 100
129 107.7 9.5 14.3#
127 41.3 10.8 16.2#



#32
Benzoic acid
Concen: 4.91 ng
RT: 7.80 min Scan# 517
Delta R.T. -0.06 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

Tgt Ion:122 Resp: 17530
Ion Ratio Lower Upper
122 100
105 158.8 107.2 147.2#
77 242.5 74.5 114.5#

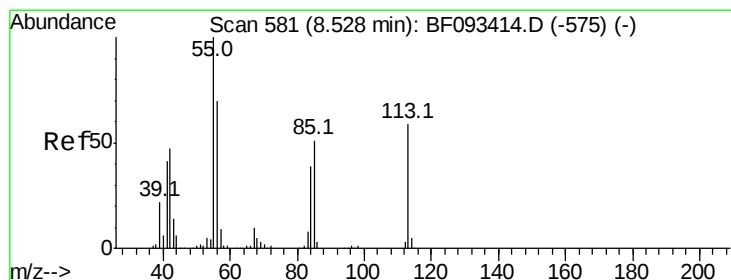
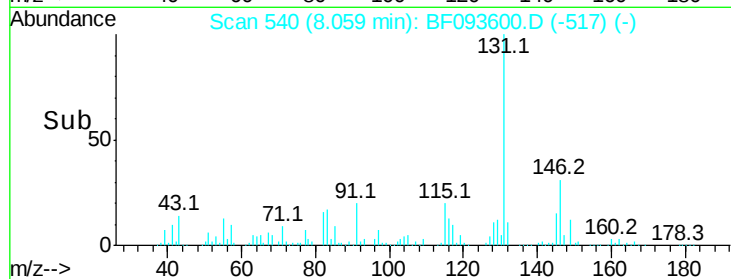
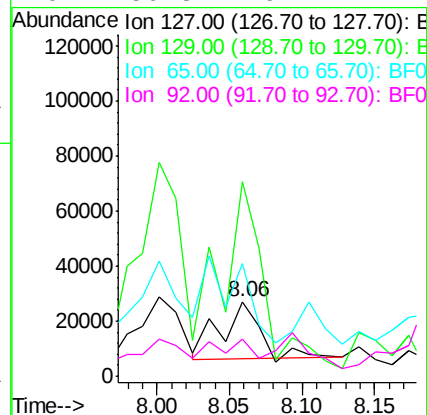
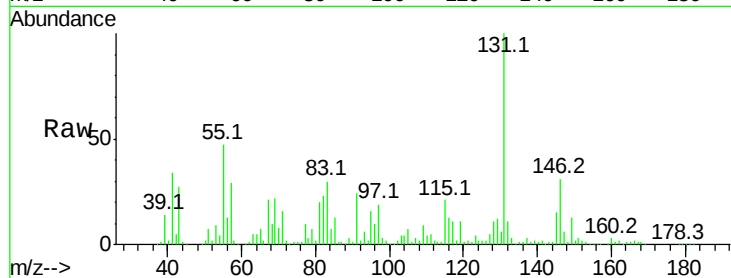




#33
4-Chloroaniline
Concen: 4.32 ng
RT: 8.06 min Scan# 540
Delta R.T. -0.03 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

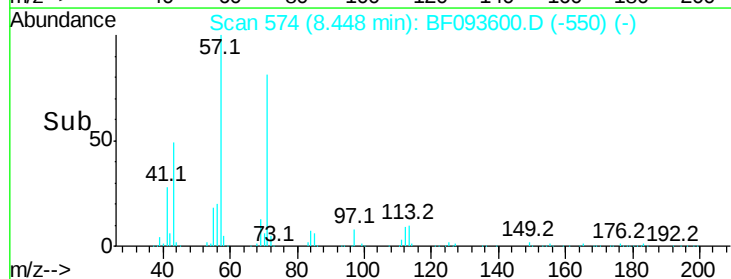
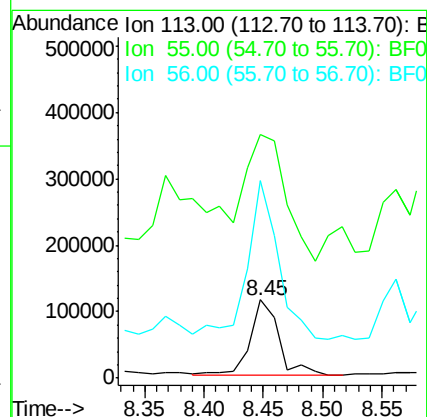
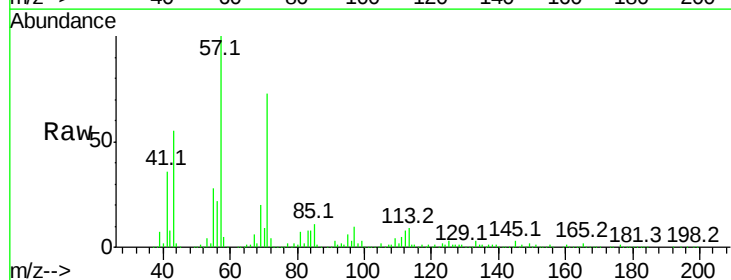
Instrument :
BNA_F
ClientSampleId :
HY-SB422BDL

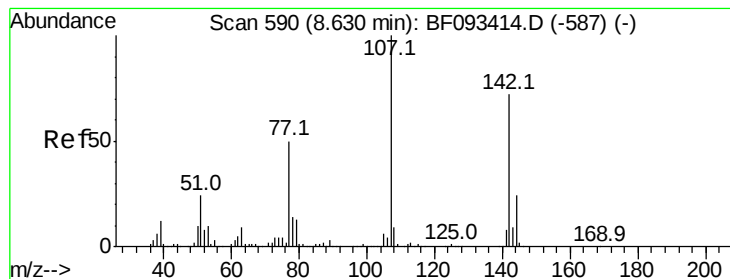
Tot Ion:127	Resp:	40105
Ion Ratio	Lower	Upper
127	100	
129	260.9	26.3 39.5#
65	151.4	25.8 38.8#
92	50.8	16.1 24.1#



#35
Caprolactam
Concen: 86.53 ng
RT: 8.45 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

Tgt Ion:113	Resp:	190887
Ion Ratio	Lower	Upper
113	100	
55	310.6	119.2 159.2#
56	251.5	83.8 123.8#





#36

4-Chloro-3-methylphenol

Concen: 4.33 ng

RT: 8.64 min Scan# 591

Delta R.T. 0.05 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

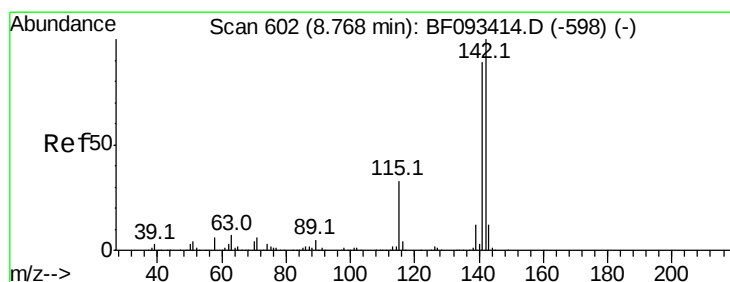
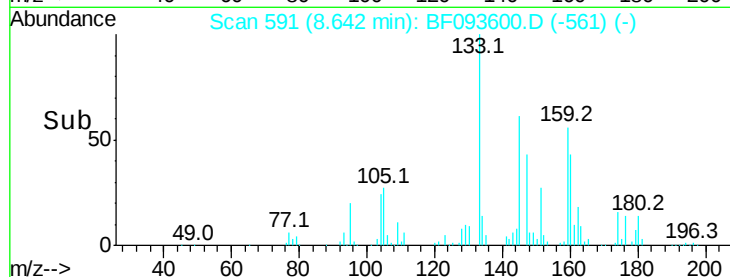
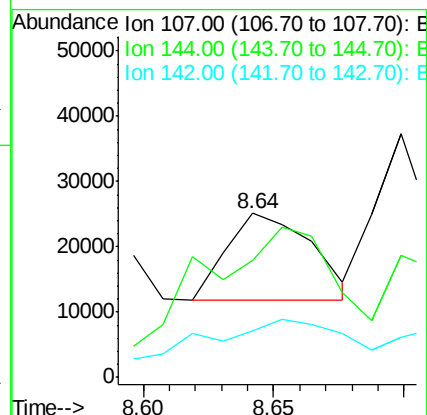
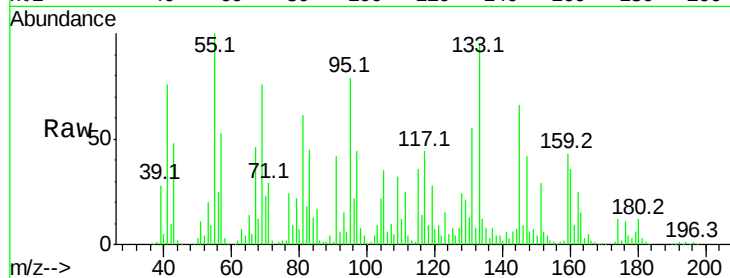
Tot Ion:107 Resp: 29882

Ion Ratio Lower Upper

107 100

144 71.0 19.3 28.9#

142 28.6 59.0 88.6#



#37

2-Methylnaphthalene

Concen: 59.44 ng

RT: 8.84 min Scan# 608

Delta R.T. 0.11 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

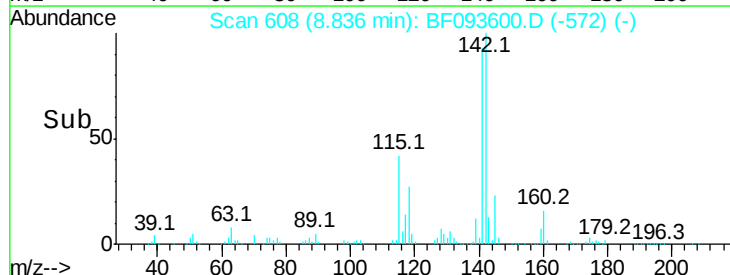
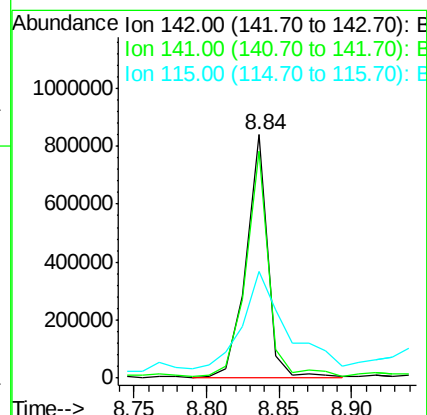
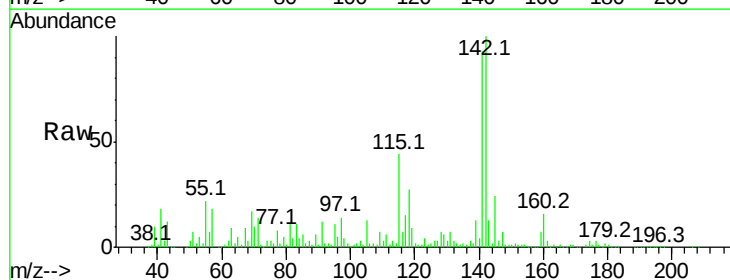
Tgt Ion:142 Resp: 865495

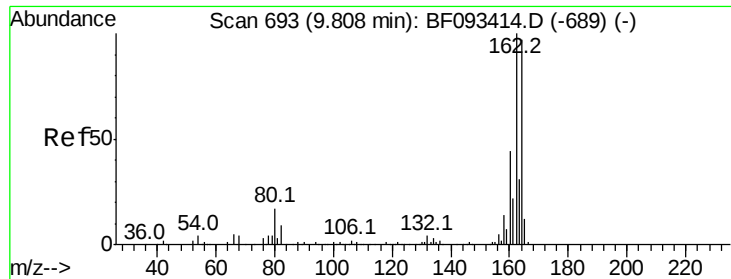
Ion Ratio Lower Upper

142 100

141 93.4 71.0 106.6

115 43.9 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: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

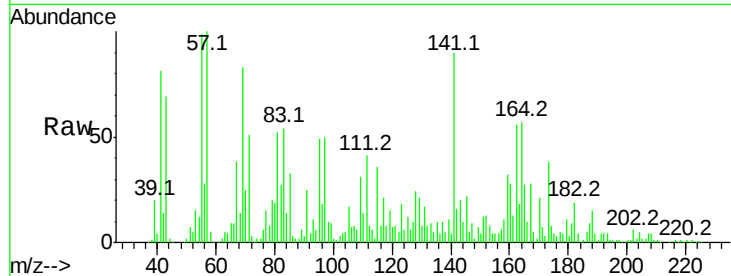
Tot Ion:164 Resp: 186406

Ion Ratio Lower Upper

164 100

162 97.7 80.2 120.2

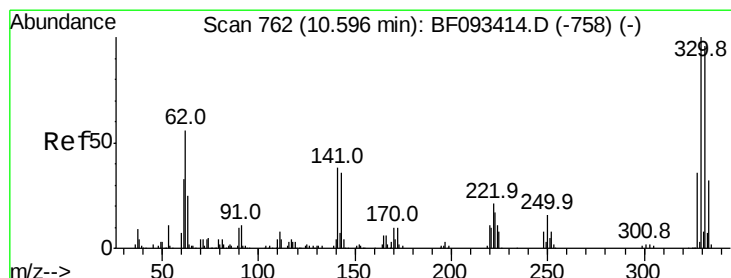
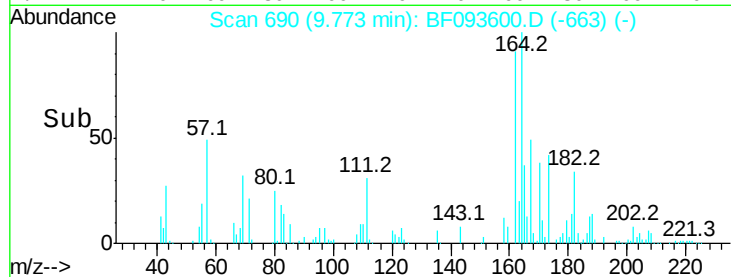
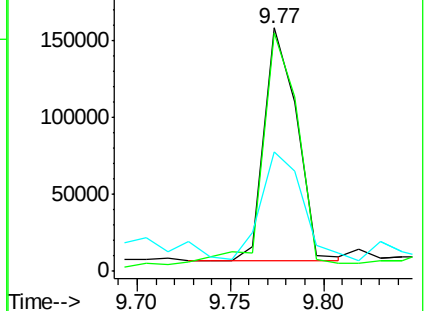
160 49.0 36.9 55.3



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: 23.80 ng

RT: 10.57 min Scan# 760

Delta R.T. 0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

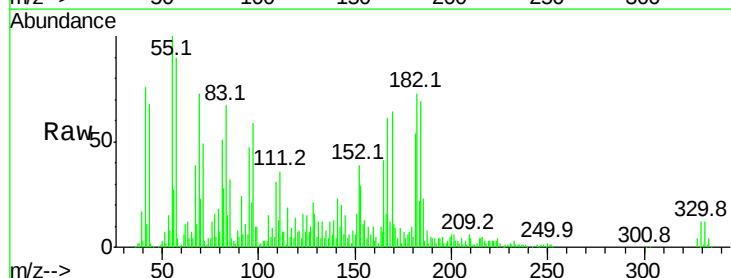
Tgt Ion:330 Resp: 28908

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

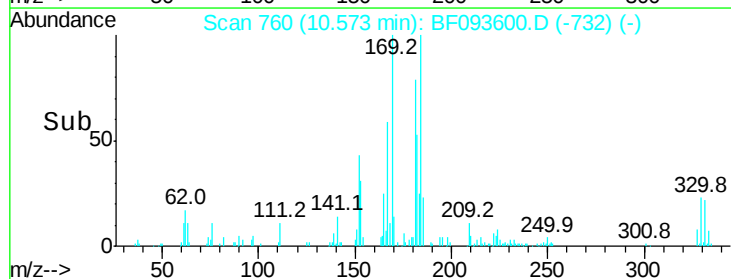
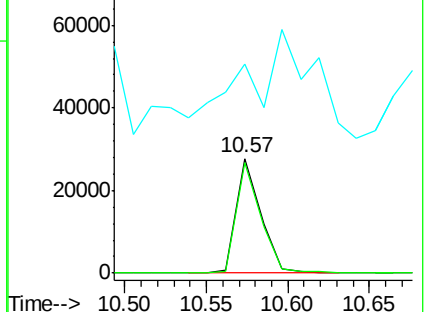
141 0.0 34.1 51.1#

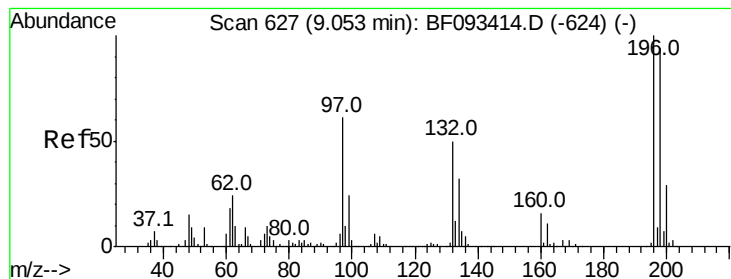


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#42

2,4,6-Trichlorophenol

Concen: 6.65 ng

RT: 9.02 min Scan# 624

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

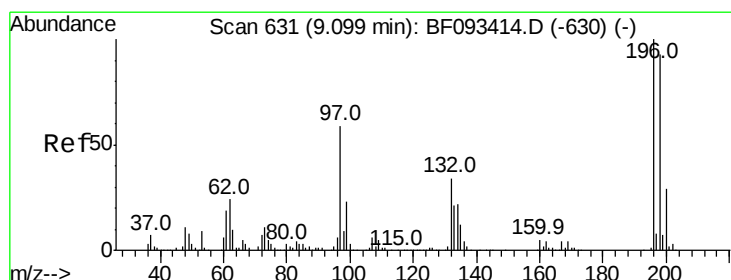
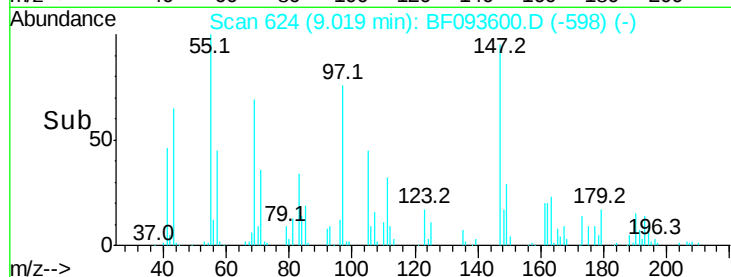
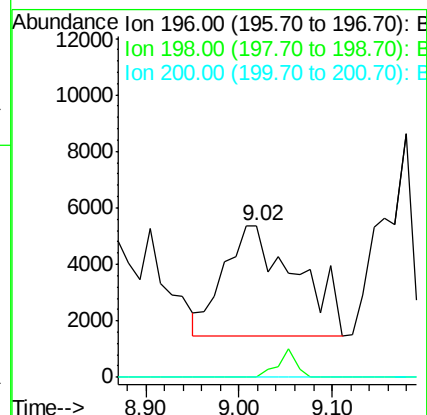
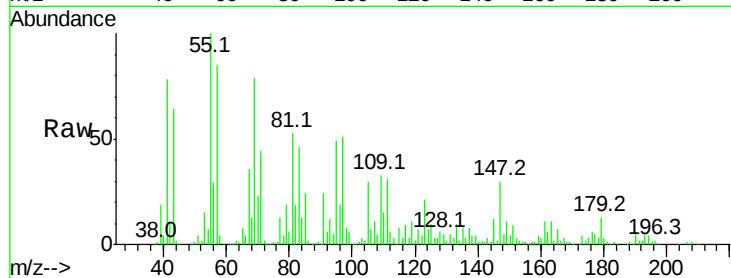
Tot Ion:196 Resp: 21133

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: 6.19 ng

RT: 9.02 min Scan# 624

Delta R.T. -0.05 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Tgt Ion:196 Resp: 21133

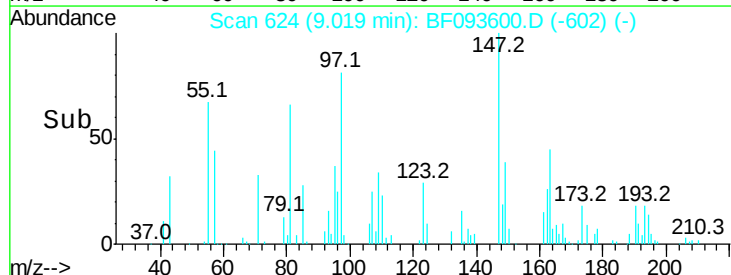
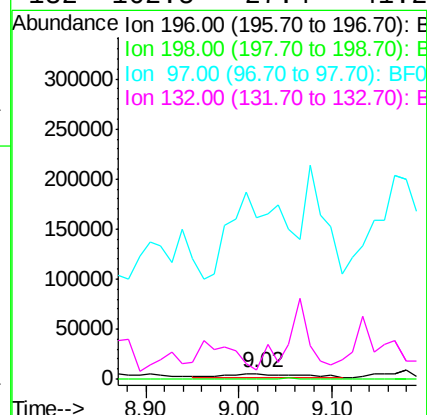
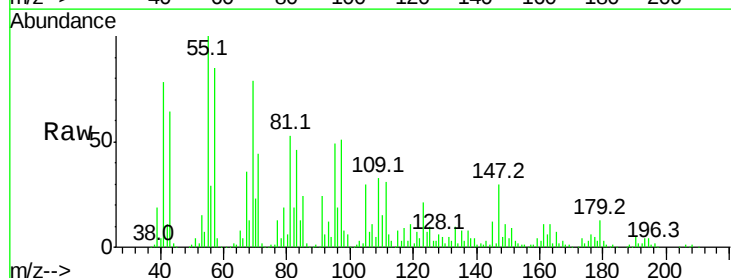
Ion Ratio Lower Upper

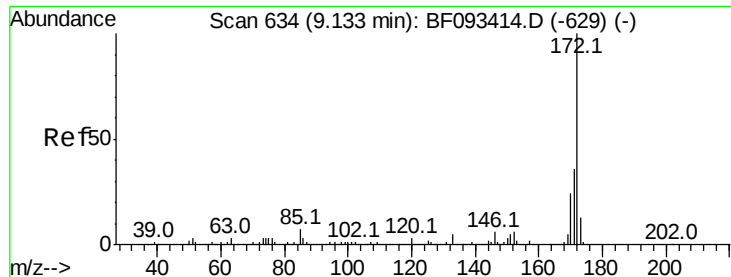
196 100

198 0.0 79.4 119.2#

97 2998.9 51.5 77.3#

132 162.5 27.4 41.2#





#44

2-Fluorobiphenyl

Concen: 28.19 ng

RT: 9.10 min Scan# 631

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

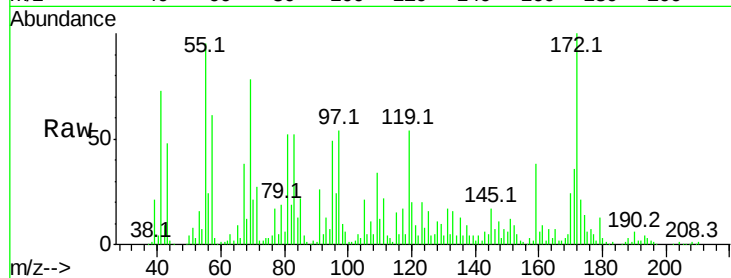
Tot Ion:172 Resp: 282460

Ion Ratio Lower Upper

172 100

171 35.6 29.4 44.0

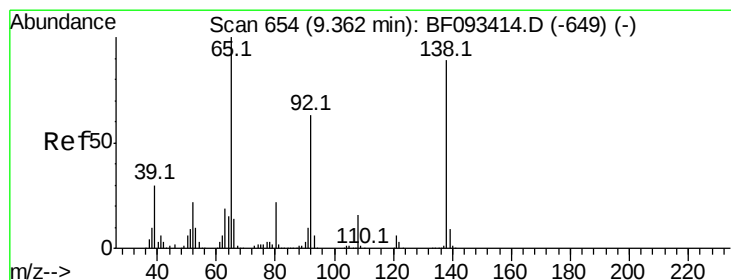
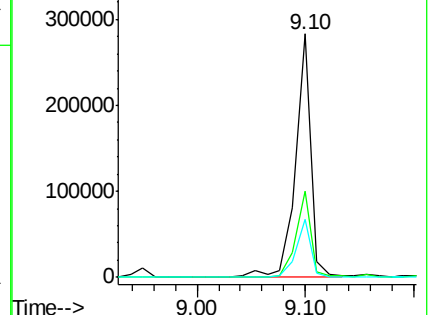
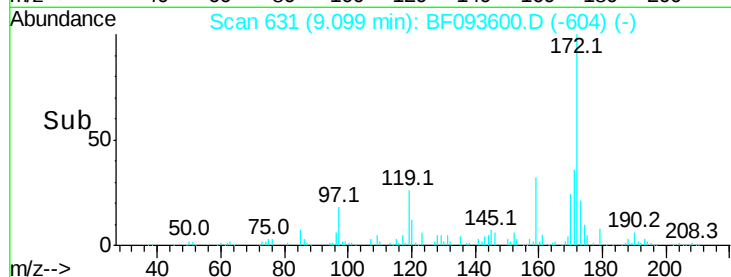
170 23.7 20.2 30.4



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: 2.70 ng

RT: 9.41 min Scan# 658

Delta R.T. 0.08 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

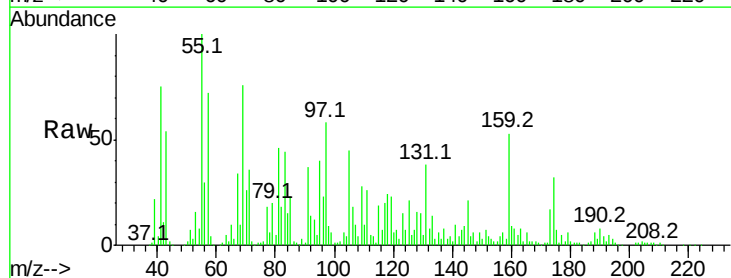
Tgt Ion: 65 Resp: 9907

Ion Ratio Lower Upper

65 100

92 138.2 53.9 80.9#

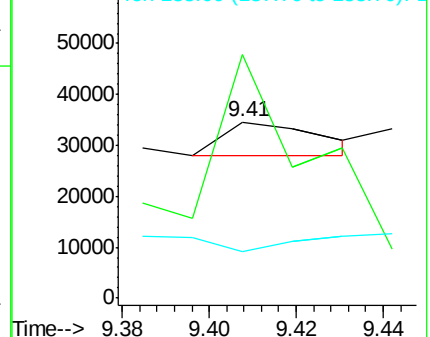
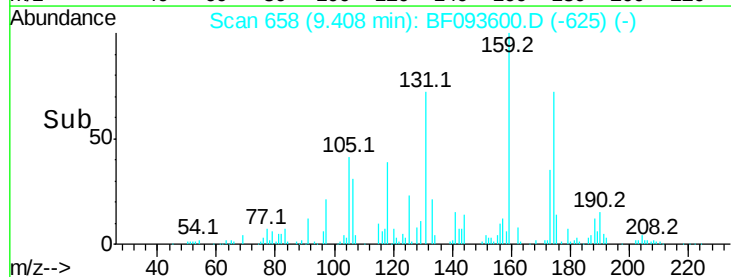
138 26.5 76.8 115.2#

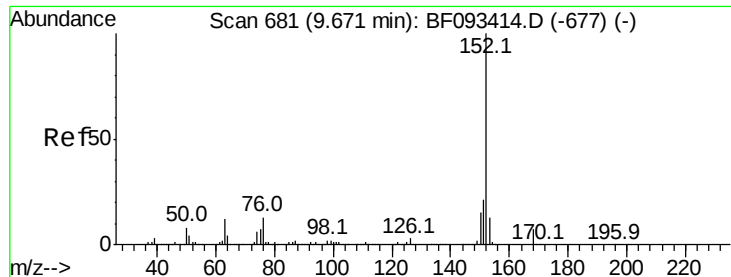


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 5.14 ng

RT: 9.65 min Scan# 679

Delta R.T. 0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

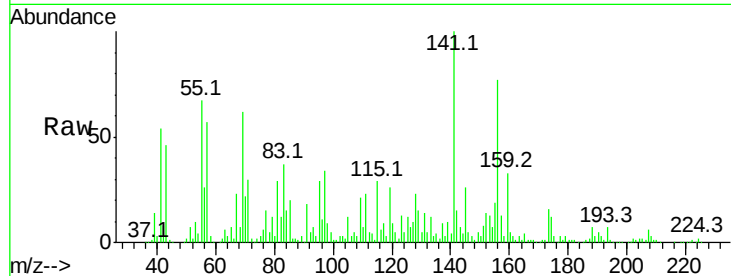
Tot Ion:152 Resp: 88100

Ion Ratio Lower Upper

152 100

151 60.2 16.9 25.3#

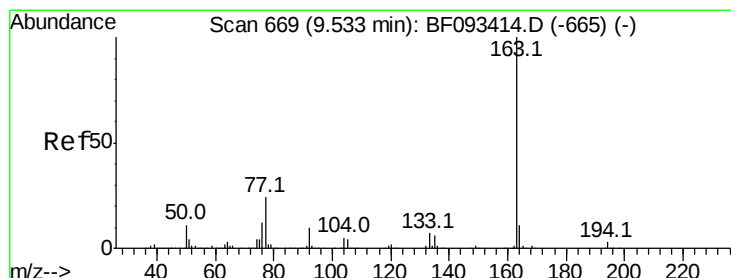
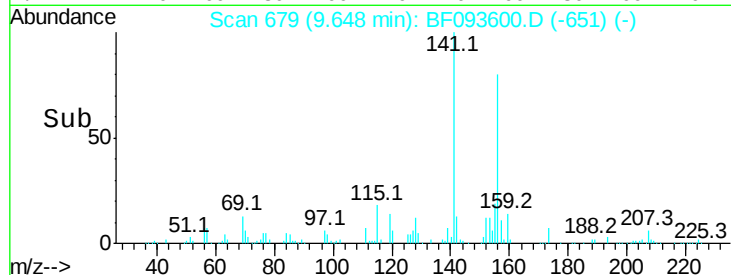
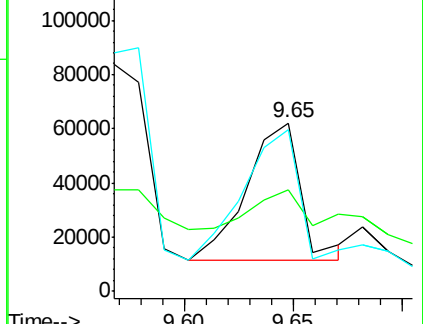
153 95.8 11.4 17.2#



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: 12.74 ng

RT: 9.50 min Scan# 666

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

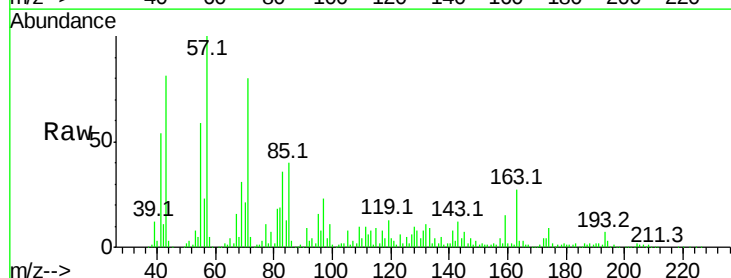
Tgt Ion:163 Resp: 157444

Ion Ratio Lower Upper

163 100

194 11.0 3.0 4.4#

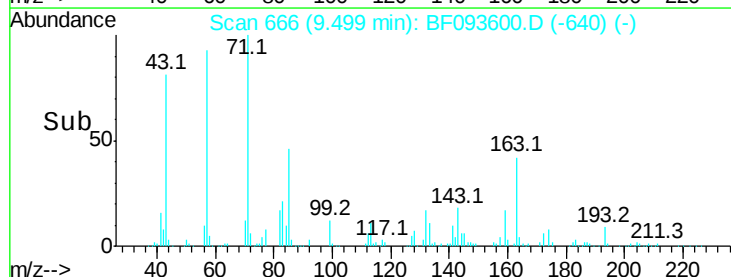
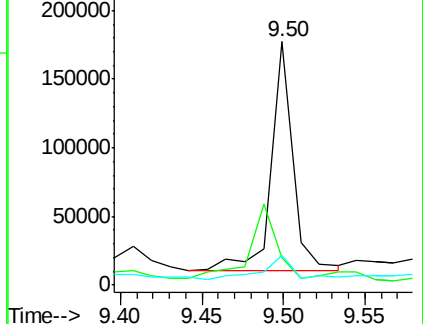
164 12.3 8.0 12.0#

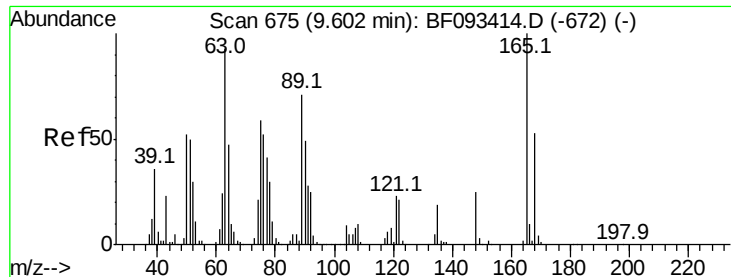


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

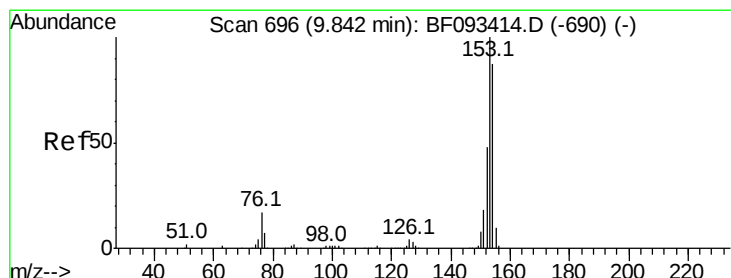
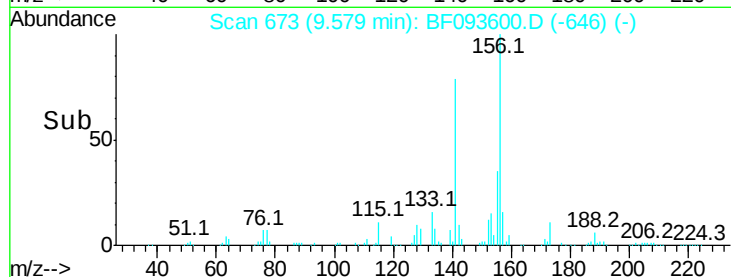
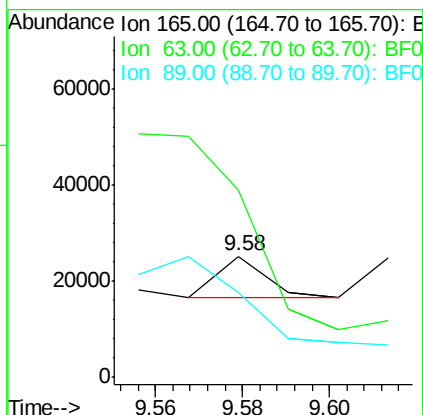
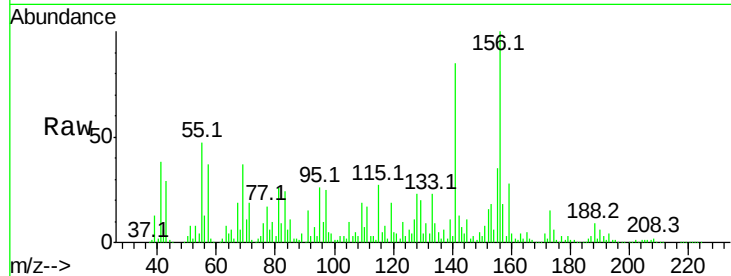




#50
2,6-Dinitrotoluene
Concen: 2.45 ng
RT: 9.58 min Scan# 673
Delta R.T. 0.01 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

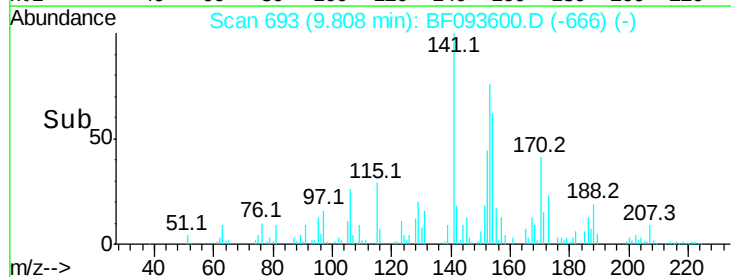
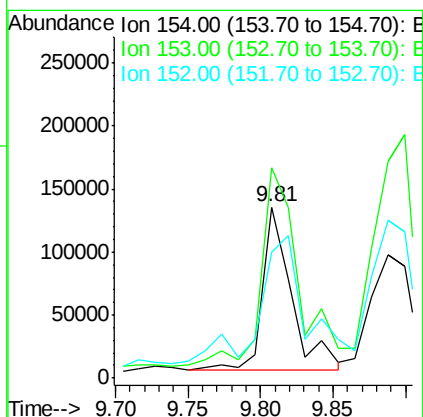
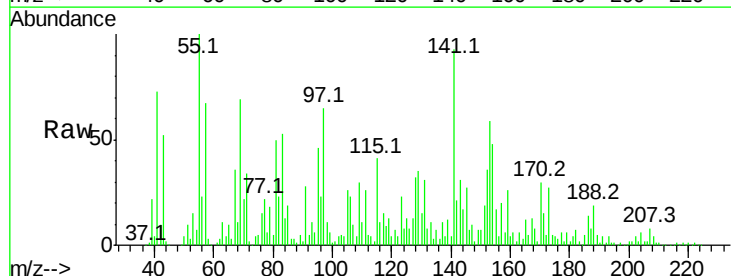
Instrument :
BNA_F
ClientSampleId :
HY-SB422BDL

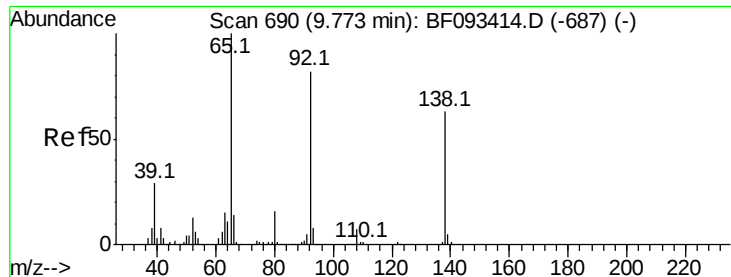
Tot Ion:165 Resp: 6637
Ion Ratio Lower Upper
165 100
63 154.9 36.2 54.4#
89 70.2 40.2 60.4#



#51
Acenaphthene
Concen: 17.55 ng
RT: 9.81 min Scan# 693
Delta R.T. 0.01 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

Tgt Ion:154 Resp: 177898
Ion Ratio Lower Upper
154 100
153 122.8 88.6 133.0
152 74.0 41.6 62.4#





#52

3-Nitroaniline

Concen: 9.16 ng

RT: 9.75 min Scan# 688

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

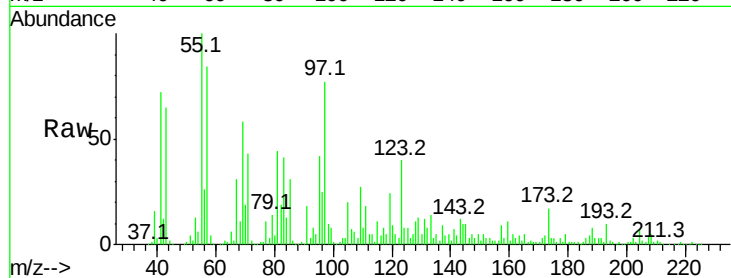
Tot Ion:138 Resp: 29842

Ion Ratio Lower Upper

138 100

108 72.6 8.5 12.7#

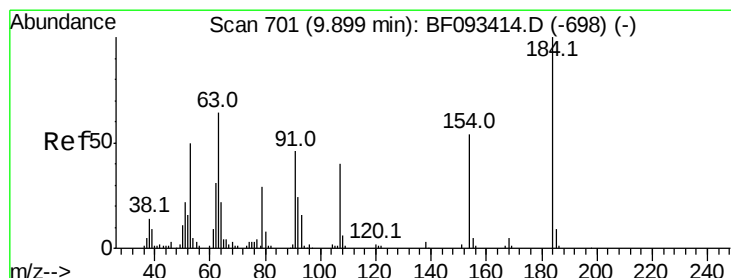
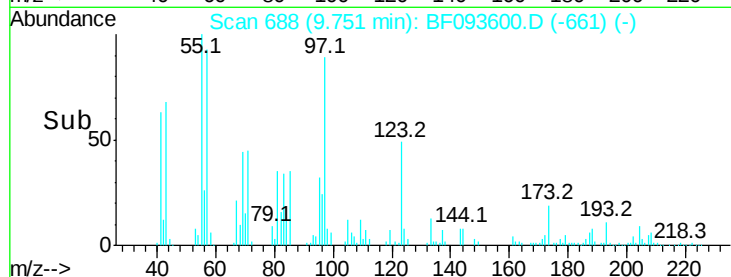
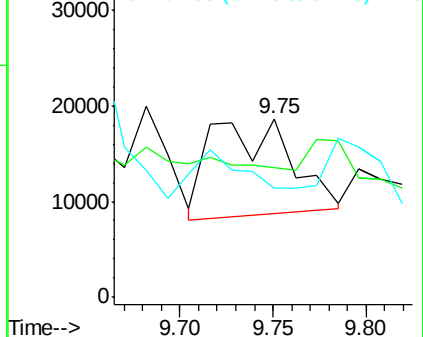
92 60.9 97.8 146.8#



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



#53

2,4-Dinitrophenol

Concen: 28.06 ng

RT: 10.07 min Scan# 716

Delta R.T. 0.21 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

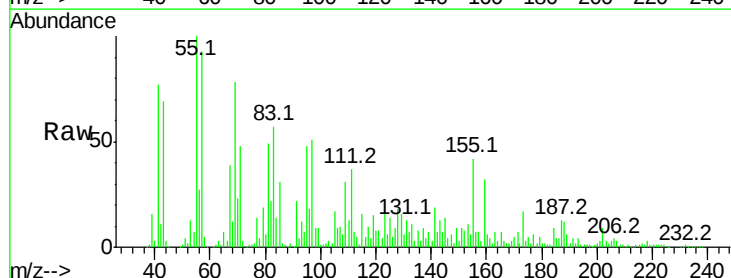
Tgt Ion:184 Resp: 34651

Ion Ratio Lower Upper

184 100

63 29.8 28.4 42.6

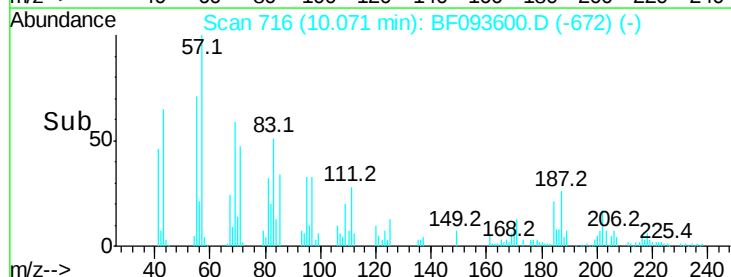
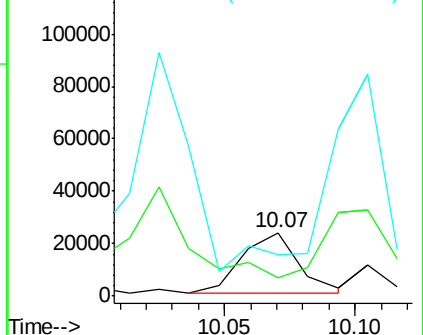
154 66.3 44.3 66.5

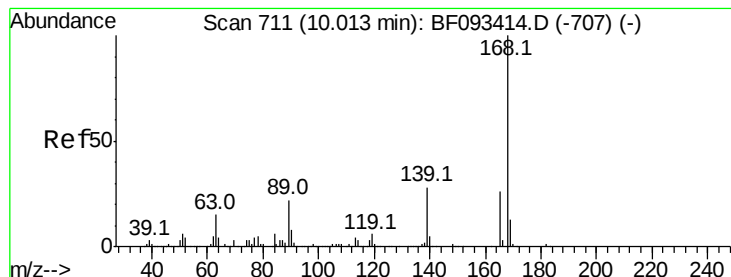


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzofuran

Concen: 9.17 ng

RT: 9.99 min Scan# 709

Delta R.T. 0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

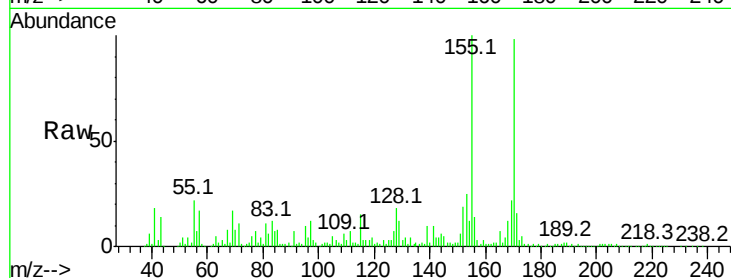
Tot Ion:168 Resp: 116359

Ion Ratio Lower Upper

168 100

139 83.9 32.6 49.0#

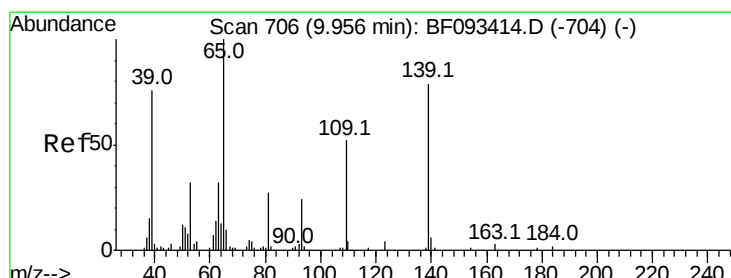
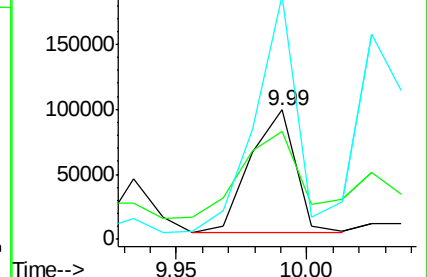
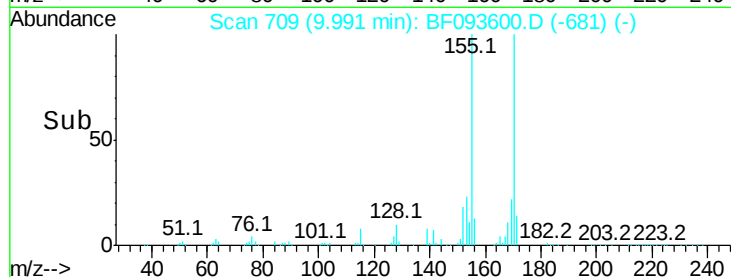
169 188.2 11.3 16.9#



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: 69.45 ng

RT: 9.99 min Scan# 709

Delta R.T. 0.06 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

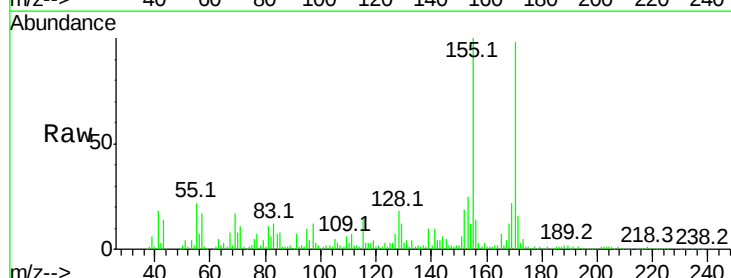
Tgt Ion:139 Resp: 109899

Ion Ratio Lower Upper

139 100

109 61.5 52.2 92.2

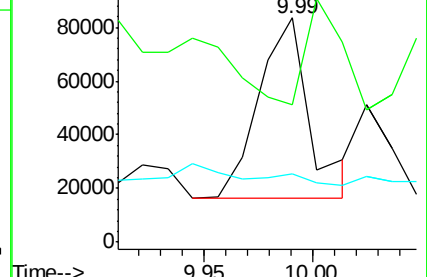
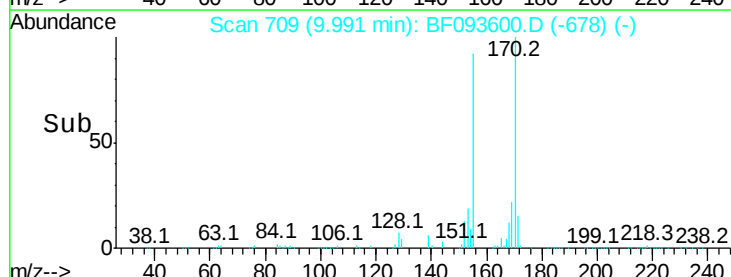
65 30.7 85.8 125.8#

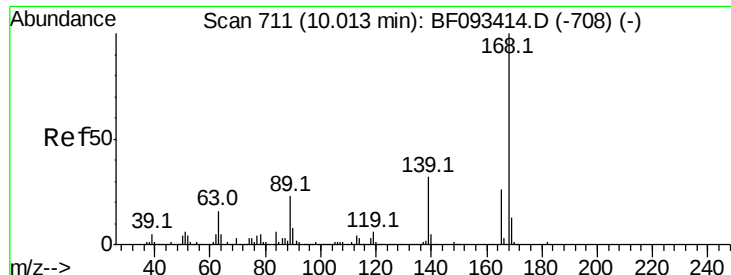


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 13.20 ng

RT: 9.99 min Scan# 709

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

Tot Ion:165 Resp: 43987

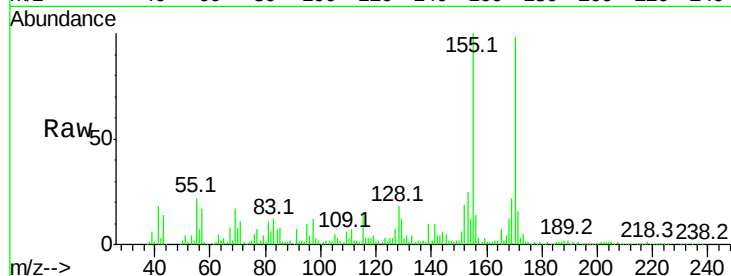
Ion Ratio Lower Upper

165 100

63 68.8 40.2 60.4#

89 34.7 62.5 93.7#

182 11.8 1.8 2.8#

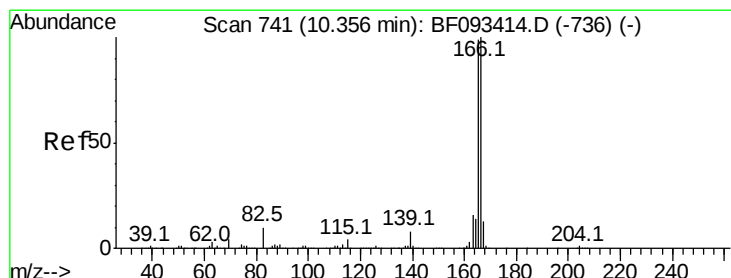
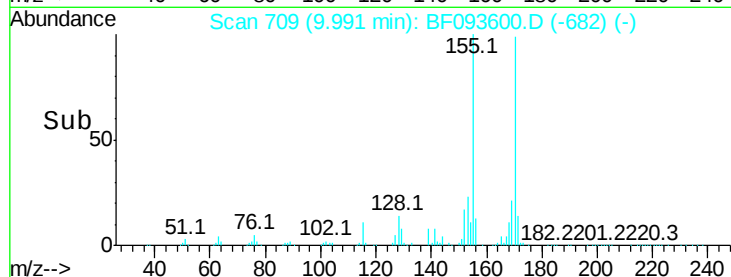
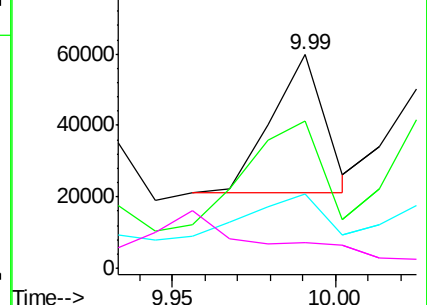


Abundance Ion 165.00 (164.70 to 165.70): E

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: 31.94 ng

RT: 10.33 min Scan# 739

Delta R.T. 0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

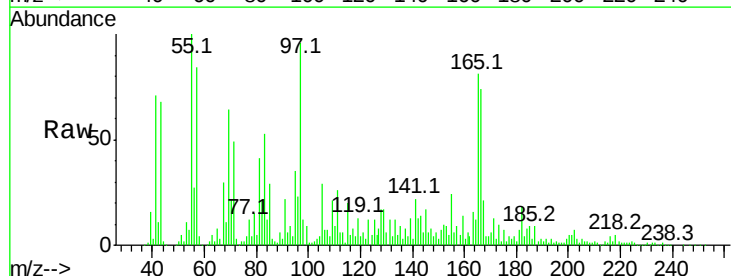
Tgt Ion:166 Resp: 343350

Ion Ratio Lower Upper

166 100

165 109.4 77.8 116.8

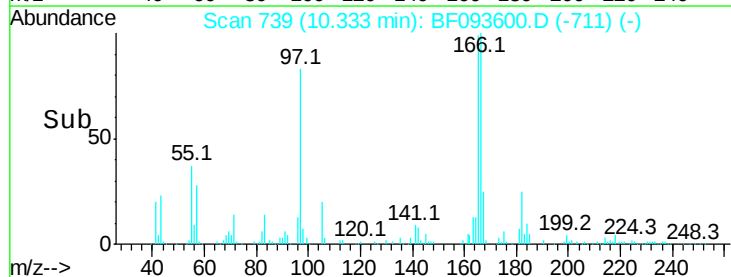
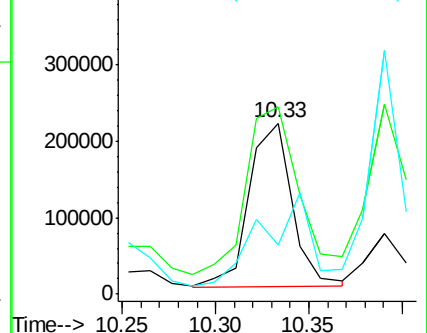
167 28.6 10.8 16.2#

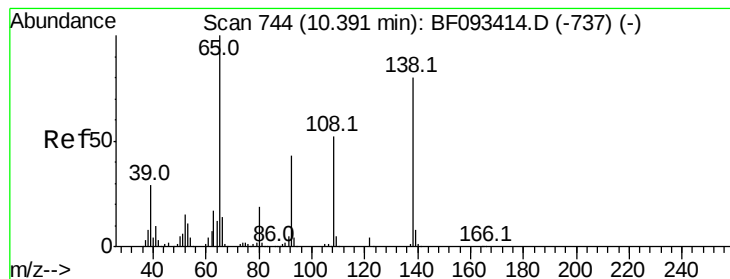


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#61

4-Nitroaniline

Concen: 4.64 ng

RT: 10.23 min Scan# 730

Delta R.T. -0.13 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

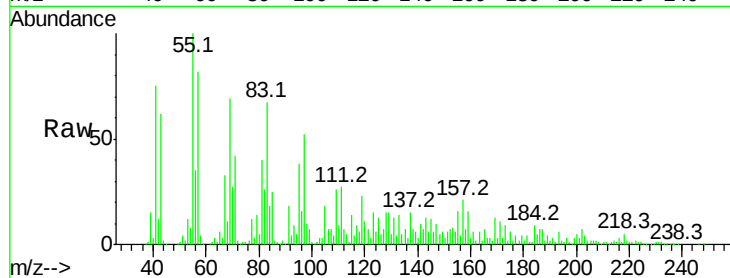
Tot Ion:138 Resp: 15476

Ion Ratio Lower Upper

138 100

92 60.7 31.7 71.7

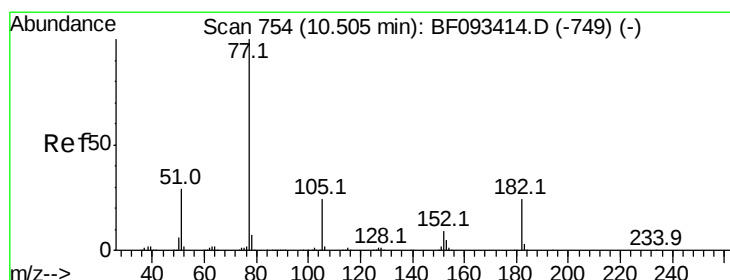
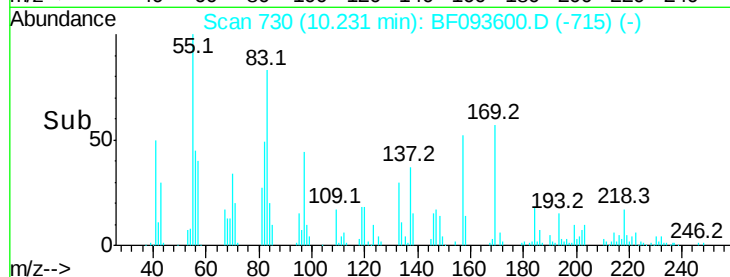
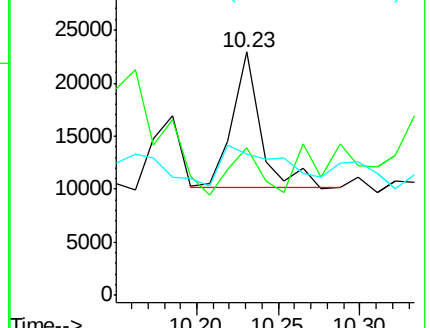
108 58.2 52.6 92.6



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 3.65 ng

RT: 10.49 min Scan# 753

Delta R.T. 0.03 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Tgt Ion: 77 Resp: 49045

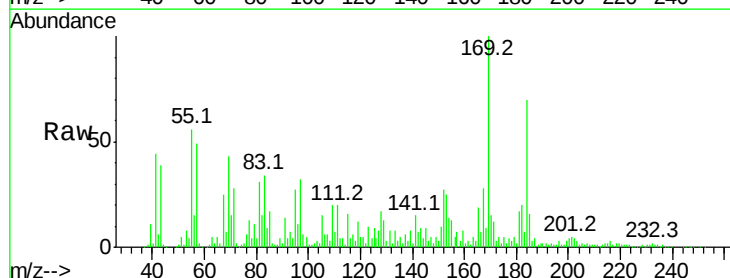
Ion Ratio Lower Upper

77 100

182 148.1 0.0 39.3#

105 111.7 2.3 42.3#

51 35.2 8.9 48.9

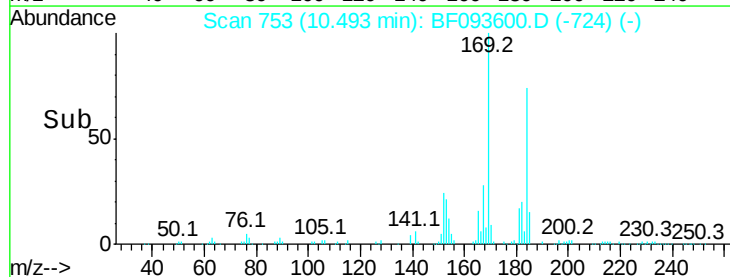
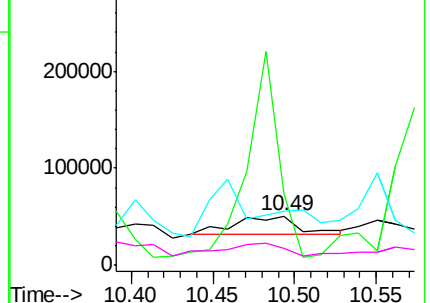


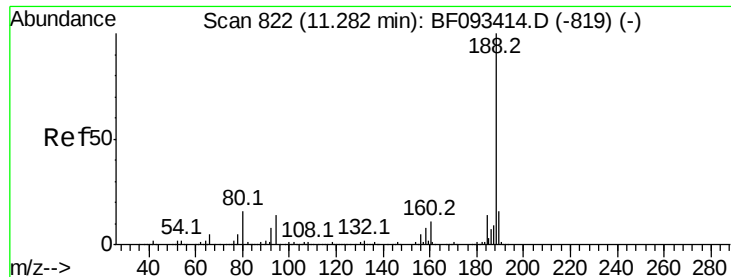
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.26 min Scan# 820

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

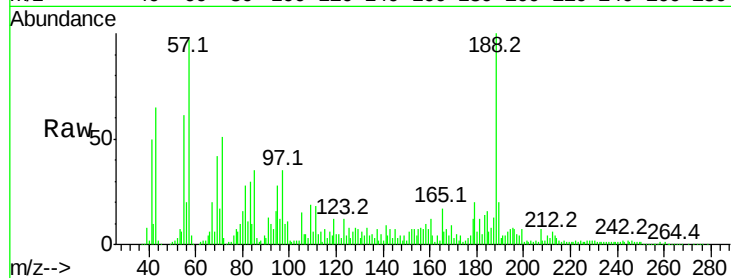
Tot Ion:188 Resp: 317168

Ion Ratio Lower Upper

188 100

94 15.5 10.0 15.0#

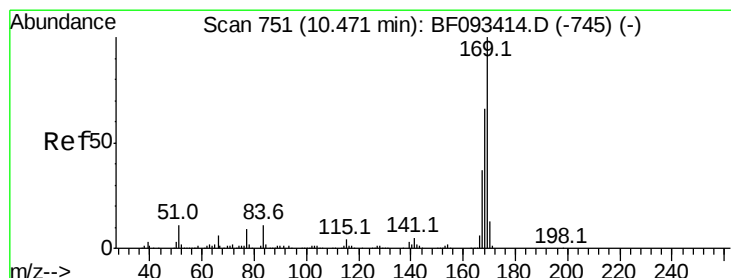
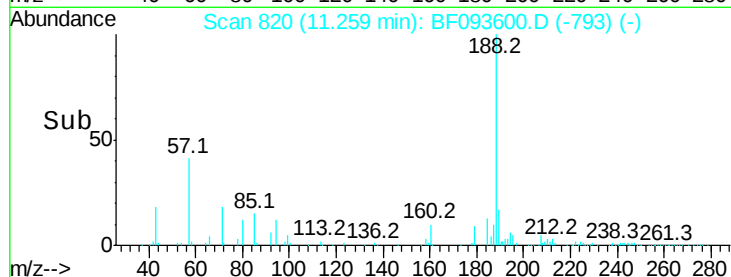
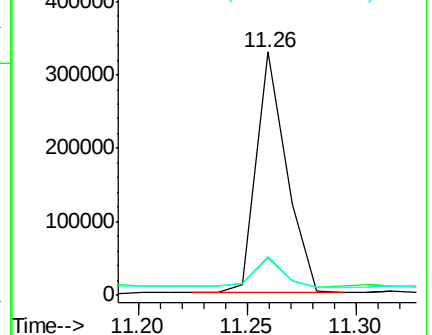
80 15.8 11.2 16.8



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: 51.82 ng

RT: 10.41 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

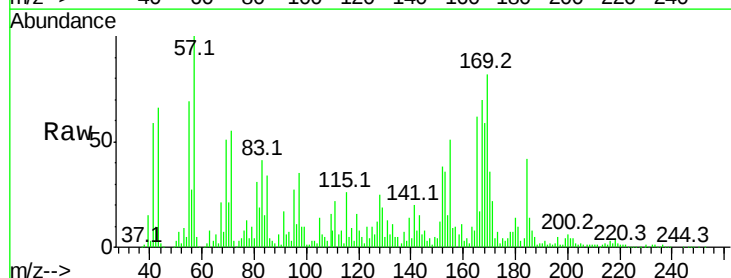
Tgt Ion:169 Resp: 548759

Ion Ratio Lower Upper

169 100

168 71.8 54.2 81.2

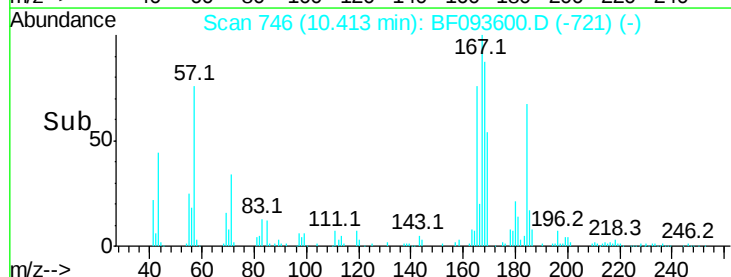
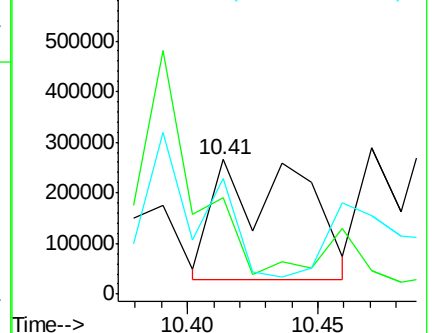
167 85.9 30.2 45.4#

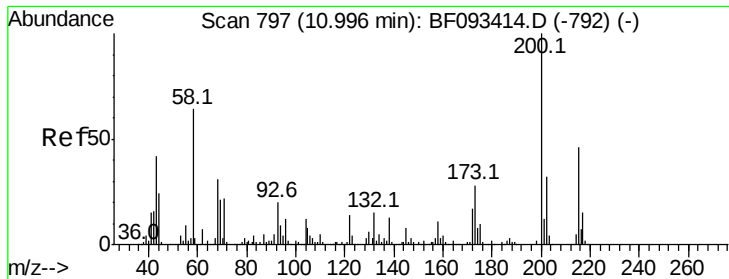


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 11.03 ng

RT: 10.97 min Scan# 795

Delta R.T. 0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

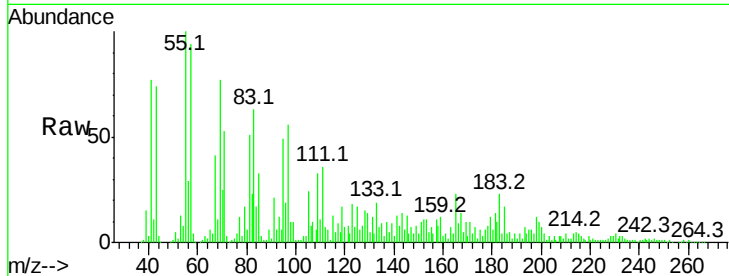
Tot Ion:200 Resp: 34194

Ion Ratio Lower Upper

200 100

173 101.3 9.6 49.6#

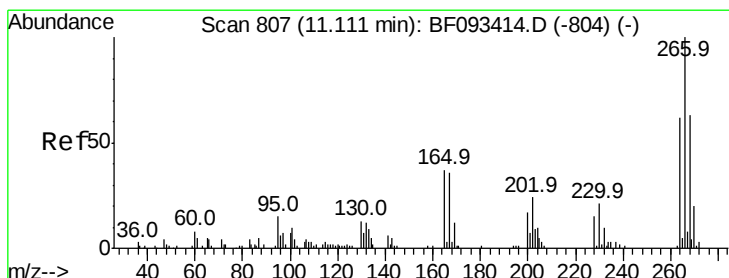
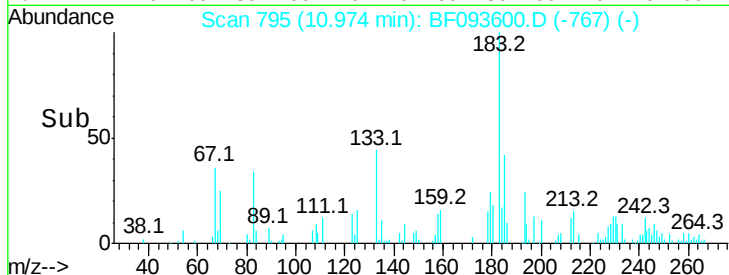
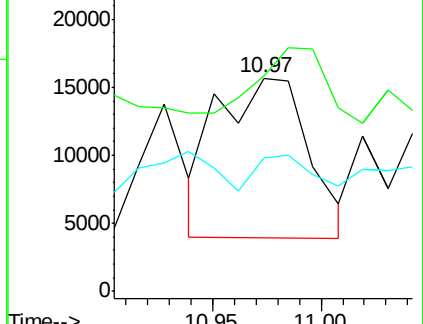
215 62.8 25.7 65.7



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 3.73 ng

RT: 11.10 min Scan# 806

Delta R.T. 0.03 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

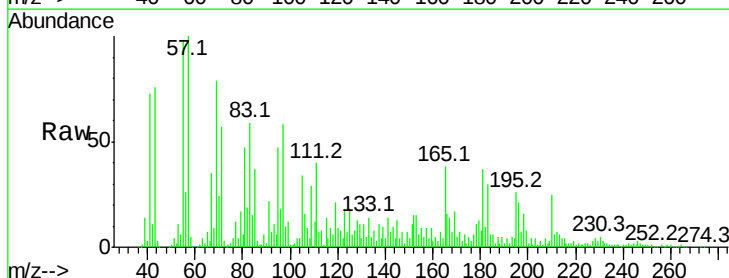
Tgt Ion:266 Resp: 4122

Ion Ratio Lower Upper

266 100

268 0.0 53.3 79.9#

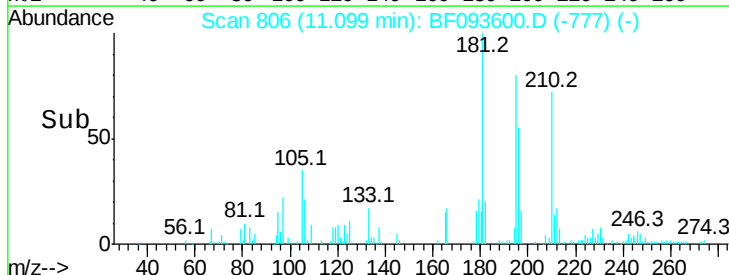
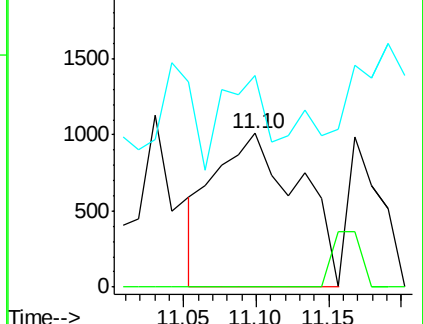
264 137.8 50.3 75.5#

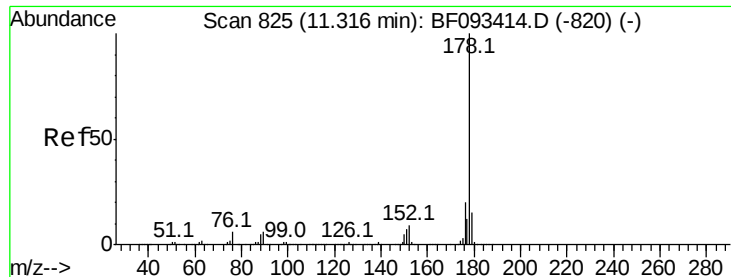


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 53.12 ng

RT: 11.28 min Scan# 822

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

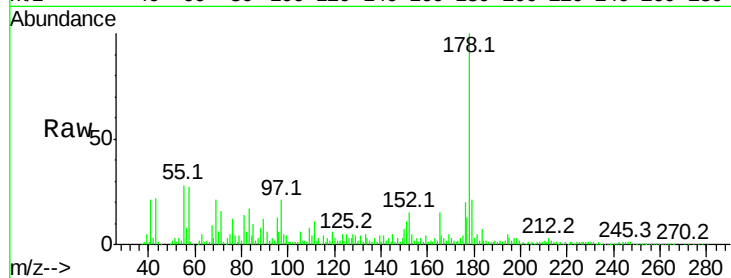
Tot Ion:178 Resp: 961727

Ion Ratio Lower Upper

178 100

176 20.3 16.6 25.0

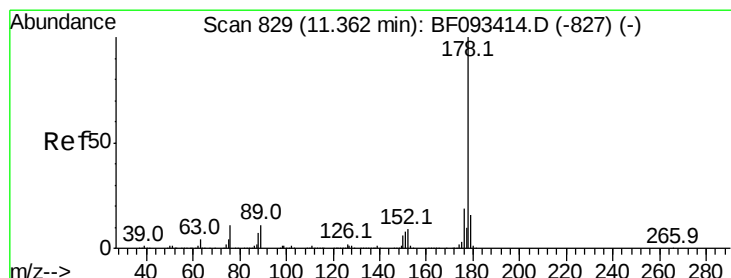
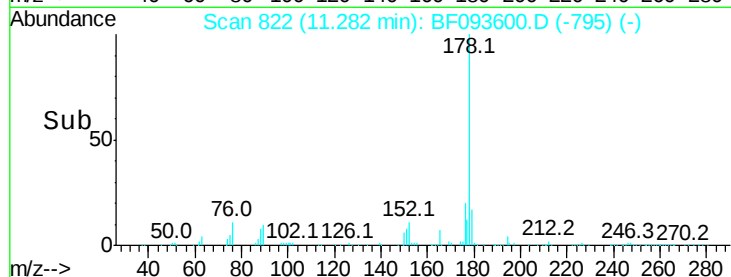
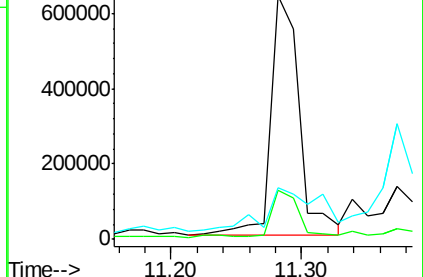
179 21.1 12.8 19.2#



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: 14.96 ng

RT: 11.37 min Scan# 830

Delta R.T. 0.06 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

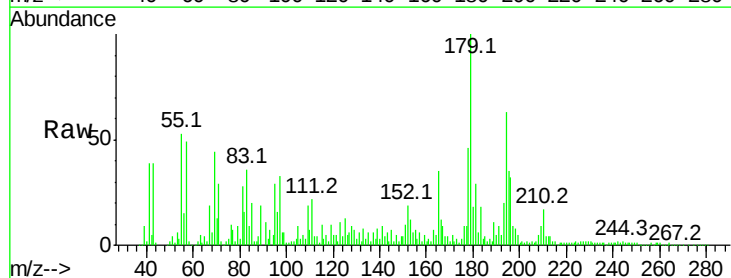
Tgt Ion:178 Resp: 274017

Ion Ratio Lower Upper

178 100

176 20.6 15.9 23.9

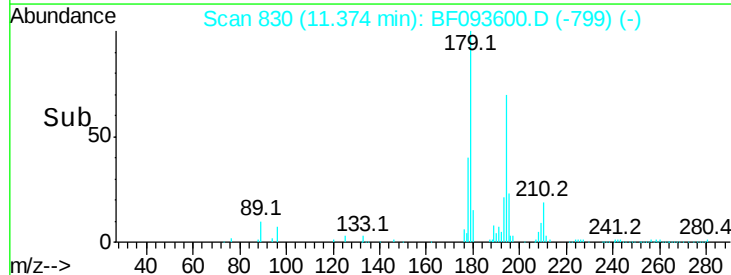
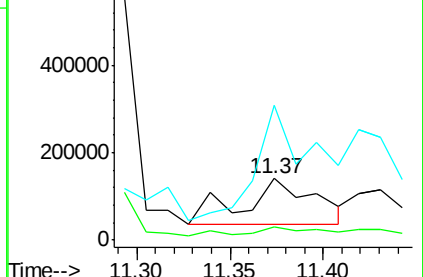
179 218.0 13.2 19.8#

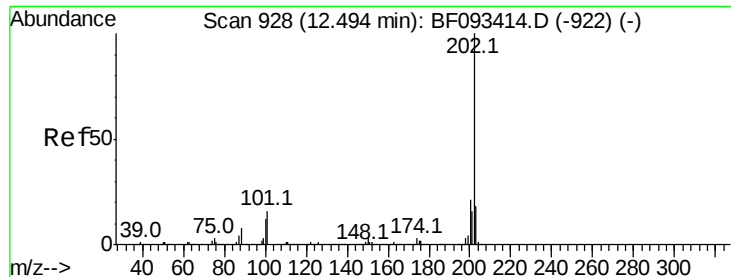


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 4.76 ng

RT: 12.47 min Scan# 926

Delta R.T. 0.01 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

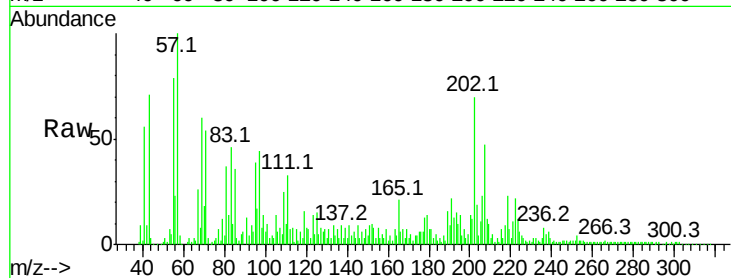
Tot Ion:202 Resp: 83254

Ion Ratio Lower Upper

202 100

101 14.7 0.0 34.6

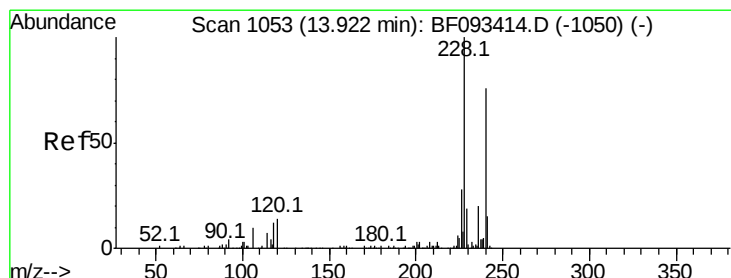
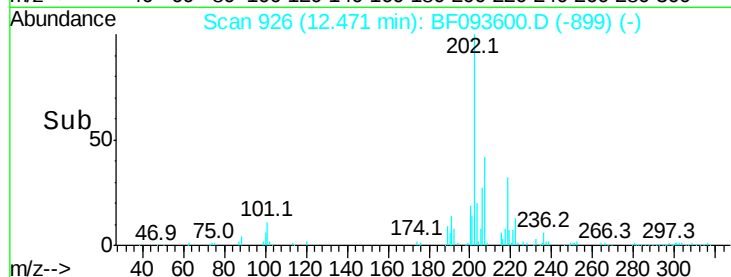
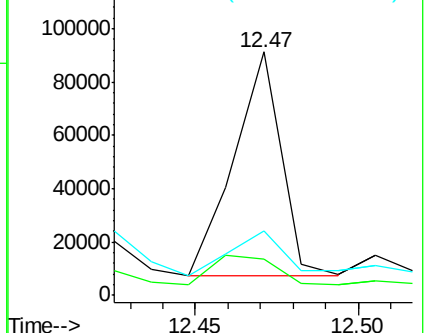
203 26.5 0.0 38.7



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: BF093600.D

Acq: 12 Mar 2017 9:27

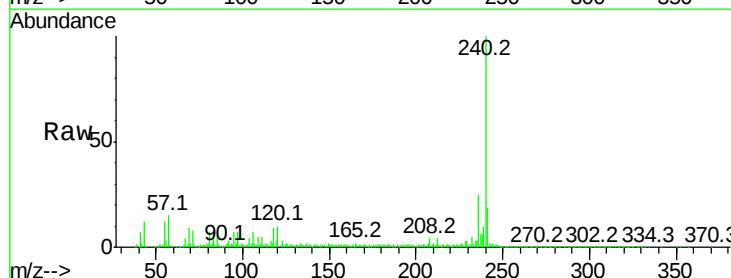
Tgt Ion:240 Resp: 354105

Ion Ratio Lower Upper

240 100

120 9.9 12.9 19.3#

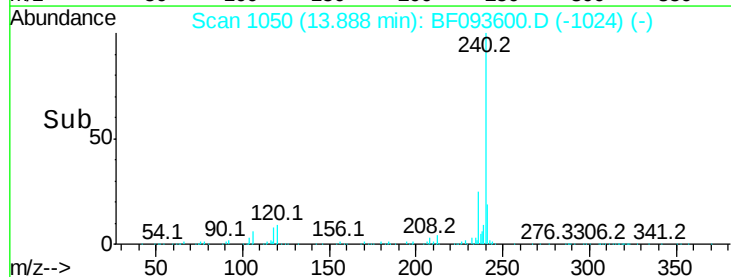
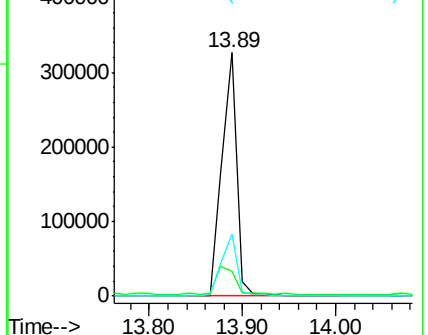
236 25.3 20.9 31.3

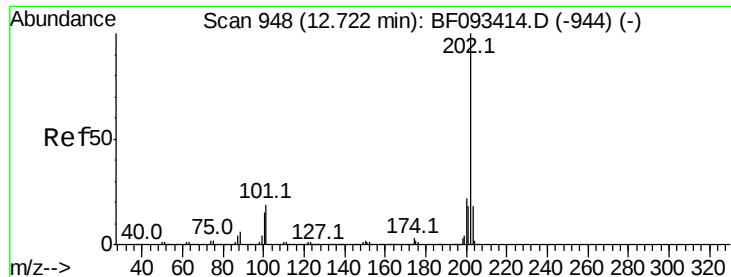


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 10.15 ng

RT: 12.70 min Scan# 946

Delta R.T. 0.02 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

Instrument :

BNA_F

ClientSampleId :

HY-SB422BDL

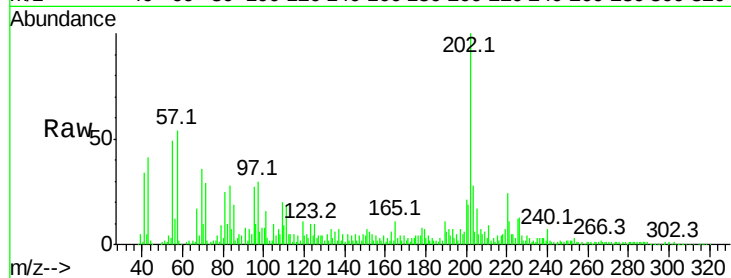
Tot Ion:202 Resp: 261398

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

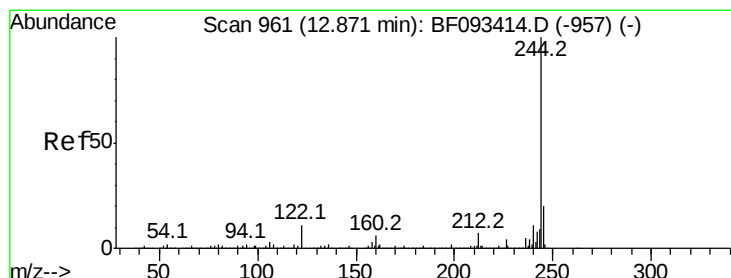
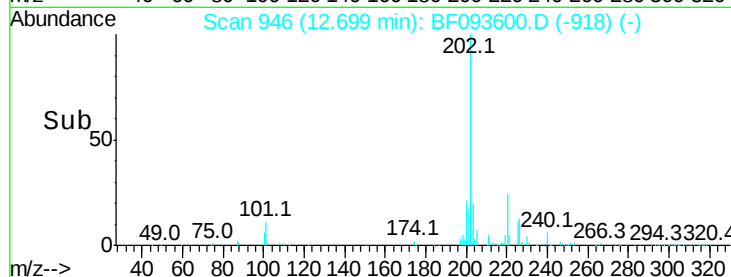
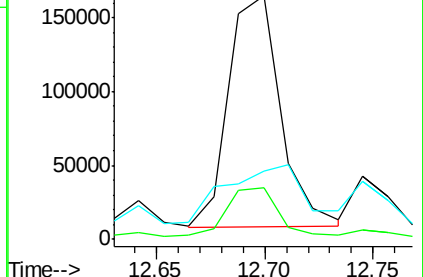
203 27.8 14.7 22.1#



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: 14.90 ng

RT: 12.83 min Scan# 957

Delta R.T. 0.00 min

Lab File: BF093600.D

Acq: 12 Mar 2017 9:27

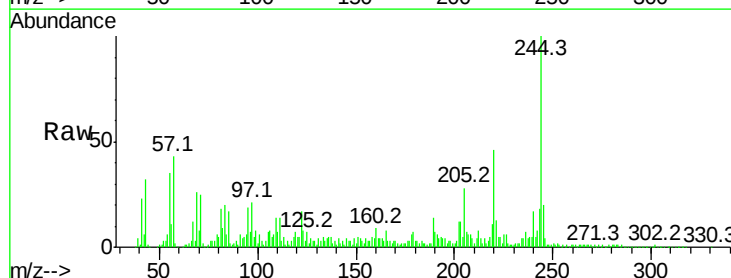
Tgt Ion:244 Resp: 202956

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

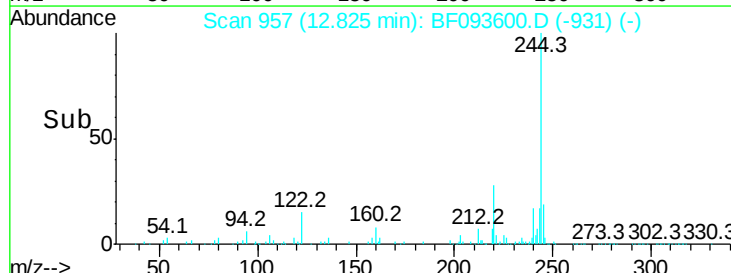
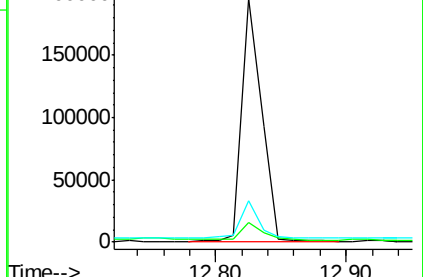
122 17.0 11.4 17.2

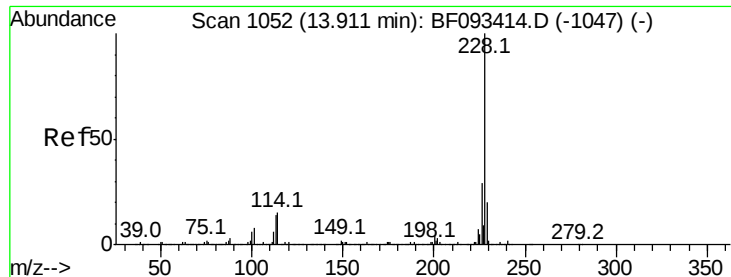


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

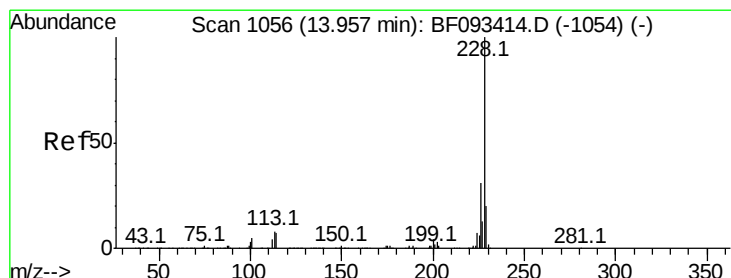
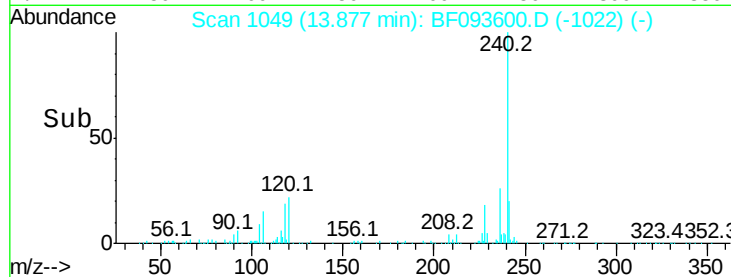
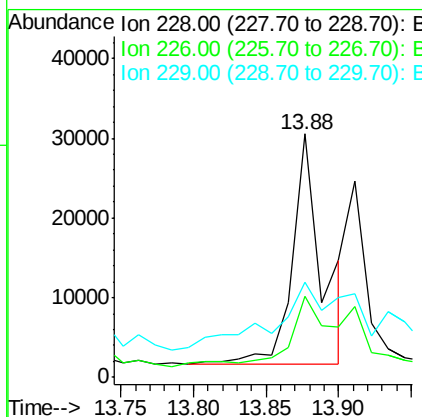
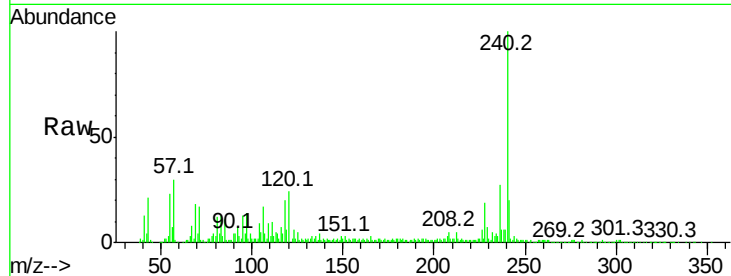




#80
Benzo(a)anthracene
Concen: 2.00 ng
RT: 13.88 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

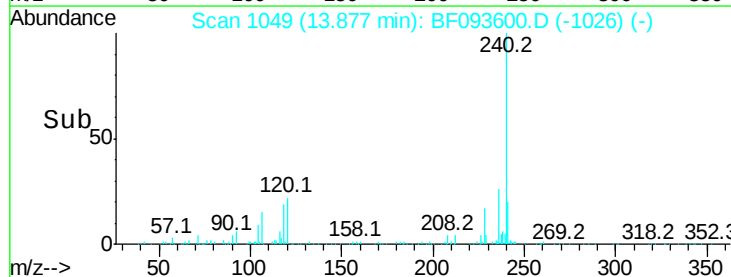
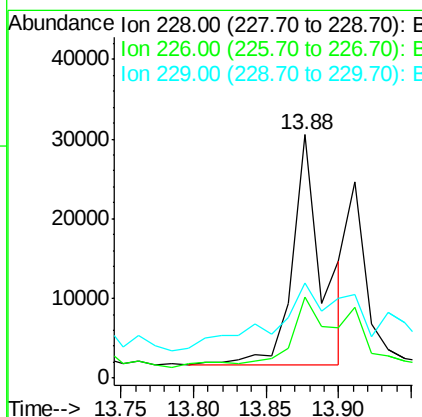
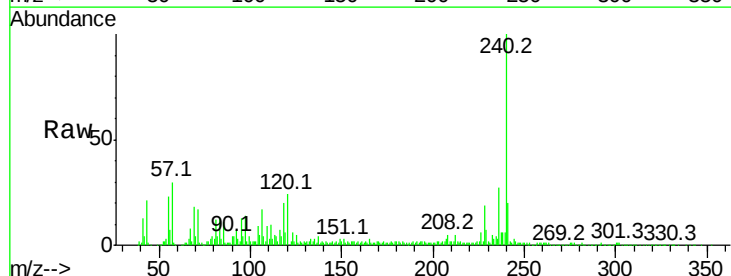
Instrument :
BNA_F
ClientSampleId :
HY-SB422BDL

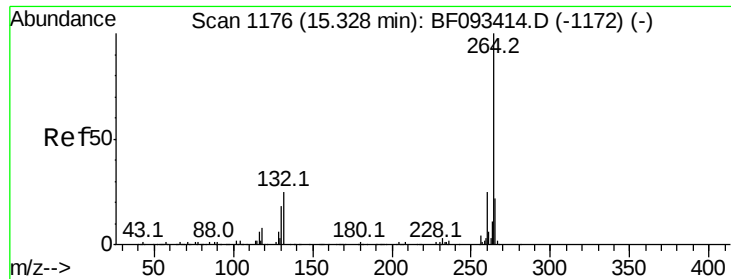
Tot Ion:228 Resp: 41869
Ion Ratio Lower Upper
228 100
226 33.1 22.4 33.6
229 38.9 16.2 24.4#



#82
Chrysene
Concen: 2.16 ng
RT: 13.88 min Scan# 1049
Delta R.T. -0.03 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

Tgt Ion:228 Resp: 41869
Ion Ratio Lower Upper
228 100
226 33.1 25.4 38.0
229 38.9 16.2 24.2#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.28 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BF093600.D
Acq: 12 Mar 2017 9:27

Instrument :
BNA_F
ClientSampleId :
HY-SB422BDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	21.7	17.4	26.0

