

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF030117\
 Data File : BF093306.D
 Acq On : 1 Mar 2017 23:04
 Operator : SJ/MA
 Sample : I2003-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB438

Quant Time: Mar 02 00:06:14 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 17 17:31:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	111613	20.00	ng	-0.05
21) Naphthalene-d8	8.11	136	229683	20.00	ng	-0.03
38) Acenaphthene-d10	9.90	164	62160	20.00	ng	0.01
63) Phenanthrene-d10	11.38	188	133921	20.00	ng	0.00
75) Chrysene-d12	13.99	240	279883	20.00	ng	-0.03
86) Perylene-d12	15.41	264	272933	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	962788	147.99	ng	-0.05
7) Phenol-d6	6.45	99	1001105	119.60	ng	-0.03
23) Nitrobenzene-d5	7.38	82	604563	146.58	ng	-0.05
41) 2,4,6-Tribromophenol	10.69	330	73817	164.19	ng	0.01
44) 2-Fluorobiphenyl	9.21	172	421873	122.96	ng	-0.01
78) Terphenyl-d14	12.93	244	555514	46.64	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	18575	3.10	ng	# 8
10) Phenol	6.46	94	25056	2.56	ng	# 1
15) Benzyl Alcohol	7.00	79	26288	4.24	ng	# 54
18) Hexachloroethane	7.39	117	193611	66.66	ng	# 15
19) n-Nitroso-di-n-propylamine	7.24	70	115236	21.63	ng	# 68
20) 3+4-Methylphenols	7.23	107	16734	2.27	ng	# 1
22) Acetophenone	7.21	105	14038	2.68	ng	# 1
24) Nitrobenzene	7.46	77	56699	13.39	ng	# 51
25) Isophorone	7.63	82	309200	40.23	ng	# 1
26) 2-Nitrophenol	7.68	139	17515	8.70	ng	# 1
27) 2,4-Dimethylphenol	7.76	122	65154	18.43	ng	# 1
28) bis(2-Chloroethoxy)methane	7.90	93	64460	12.66	ng	# 1
29) 2,4-Dichlorophenol	7.96	162	43333	13.14	ng	# 1
30) 1,2,4-Trichlorobenzene	8.03	180	35614	10.02	ng	# 68
31) Naphthalene	8.16	128	61990	5.32	ng	# 1
32) Benzoic acid	7.90	122	41418	24.75	ng	# 23
33) 4-Chloroaniline	8.16	127	13123	2.87	ng	# 1
35) Caprolactam	8.56	113	342807	330.50	ng	# 1
36) 4-Chloro-3-methylphenol	8.59	107	130011	37.82	ng	# 32
37) 2-Methylnaphthalene	8.83	142	15513	2.08	ng	# 1
42) 2,4,6-Trichlorophenol	9.13	196	14061	12.26	ng	# 9
43) 2,4,5-Trichlorophenol	9.21	196	4328	3.45	ng	# 1
45) 1,1'-Biphenyl	9.30	154	11943	2.65	ng	# 1
46) 2-Chloronaphthalene	9.37	162	10407	2.96	ng	# 1
47) 2-Nitroaniline	9.38	65	11409	9.64	ng	# 60
48) Acenaphthylene	9.76	152	16234	2.67	ng	# 1
49) Dimethylphthalate	9.60	163	114158	27.27	ng	# 49
50) 2,6-Dinitrotoluene	9.68	165	79480	87.90	ng	# 80
51) Acenaphthene	9.93	154	47345	13.02	ng	# 57
52) 3-Nitroaniline	9.86	138	69770	67.42	ng	# 36
53) 2,4-Dinitrophenol	9.97	184	4562	14.07	ng	# 1
54) Dibenzofuran	10.11	168	18423	3.79	ng	# 1
55) 4-Nitrophenol	10.01	139	48158	64.62	ng	# 1
56) 2,4-Dinitrotoluene	10.12	165	43855	36.43	ng	# 61

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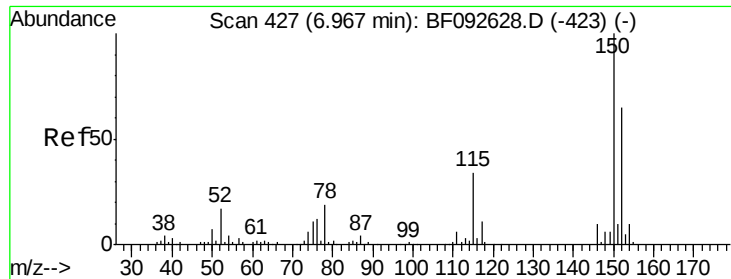
Instrument :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

57) Fluorene	10.44	166	98862	26.42	ng	# 24
59) Diethylphthalate	10.34	149	21737	5.51	ng	# 13
60) 4-Chlorophenyl-phenylether	10.44	204	6636	3.69	ng	# 1
61) 4-Nitroaniline	10.35	138	30926	29.18	ng	# 89
62) Azobenzene	10.61	77	87842	21.55	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.53	198	6052	9.68	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	370537	86.61	ng	# 90
66) 4-Bromophenyl-phenylether	10.91	248	6965	4.98	ng	# 1
68) Atrazine	11.11	200	51295	37.36	ng	# 1
69) Pentachlorophenol	11.17	266	2729	10.68	ng	# 1
70) Phenanthrene	11.40	178	215325	28.06	ng	# 36
71) Anthracene	11.49	178	176300	22.88	ng	# 1
72) Carbazole	11.64	167	24457	3.32	ng	# 1
73) Di-n-butylphthalate	11.92	149	33181	4.17	ng	# 6
74) Fluoranthene	12.58	202	140778	17.79	ng	# 86
77) Pyrene	12.81	202	490256	23.41	ng	# 93
80) Benzo(a)anthracene	13.97	228	52707	3.08	ng	# 59
82) Chrysene	13.97	228	52707	3.29	ng	# 65
83) Bis(2-ethylhexyl)phthalate	13.95	149	43443	3.73	ng	# 87
87) Benzo(b)fluoranthene	15.00	252	51636	2.87	ng	# 14
88) Benzo(k)fluoranthene	15.00	252	51636	3.33	ng	# 16

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 413

Delta R.T. -0.05 min

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HY-SB438

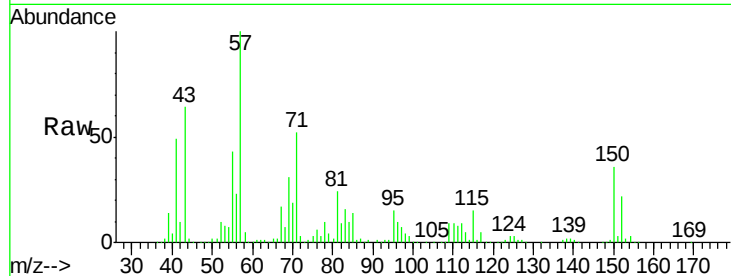
Tgt Ion:152 Resp: 111613

Ion Ratio Lower Upper

152 100

150 159.0 124.9 187.3

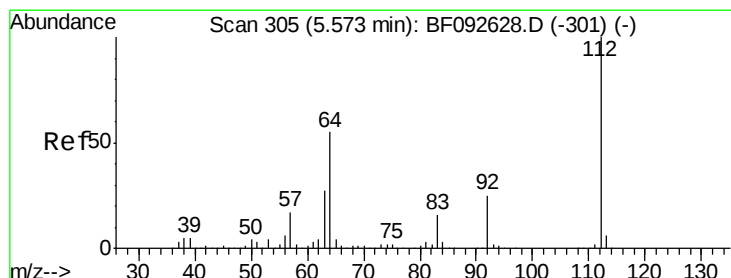
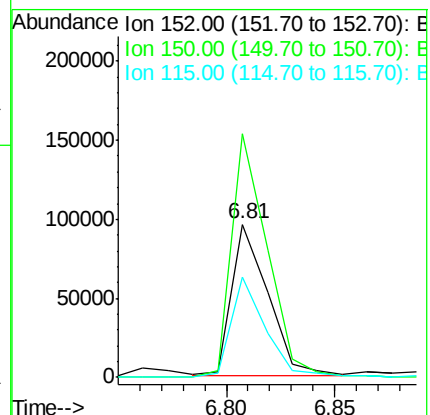
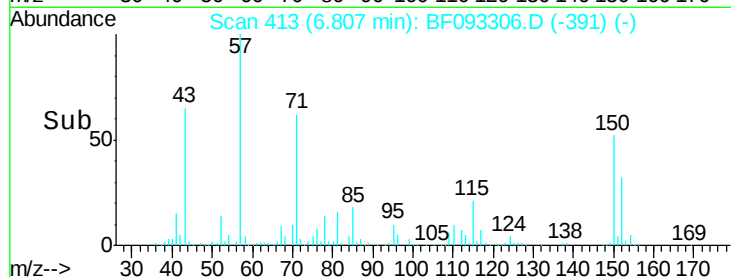
115 65.7 46.0 69.0



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: 147.99 ng

RT: 5.40 min Scan# 290

Delta R.T. -0.05 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

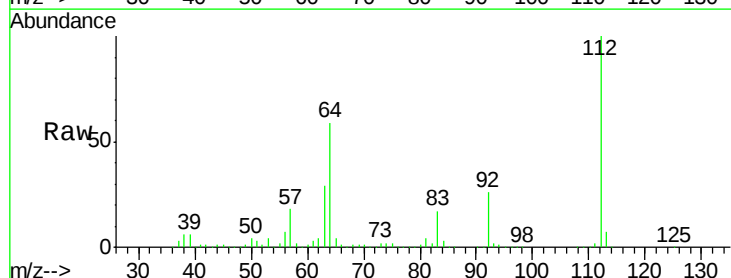
Tgt Ion:112 Resp: 962788

Ion Ratio Lower Upper

112 100

64 58.9 46.1 69.1

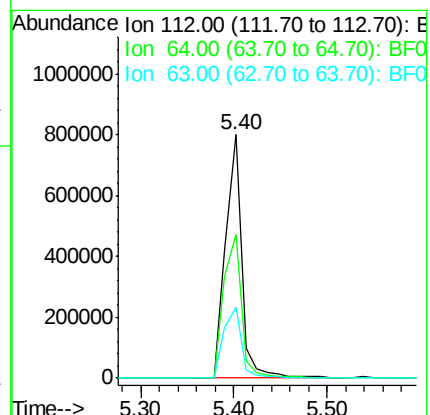
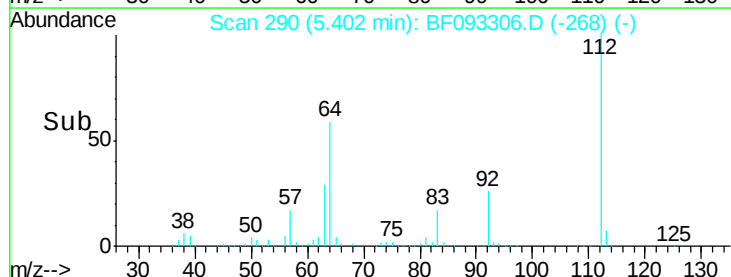
63 29.3 23.8 35.6

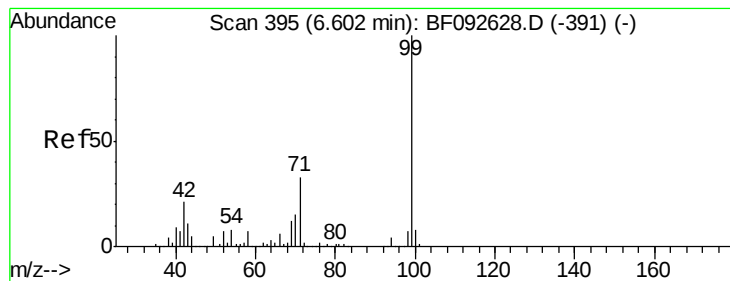


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 119.60 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.03 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

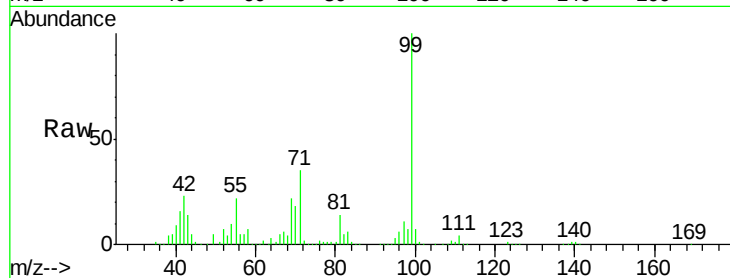
Tgt Ion: 99 Resp: 1001105

Ion Ratio Lower Upper

99 100

42 22.6 15.6 23.4

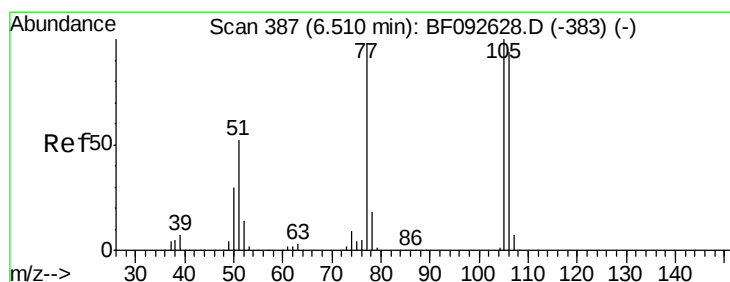
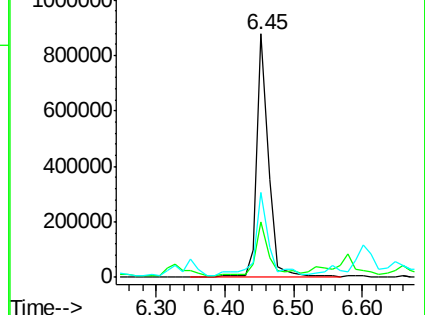
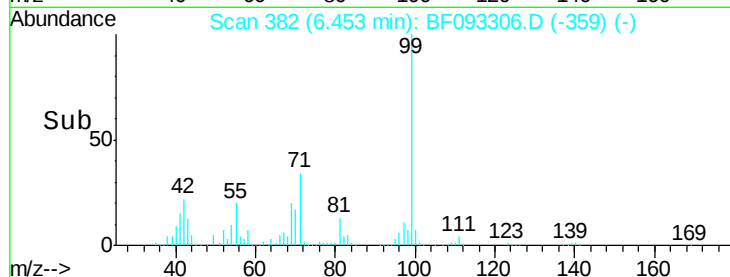
71 34.6 27.5 41.3



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



#9

Benzaldehyde

Concen: 3.10 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.07 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

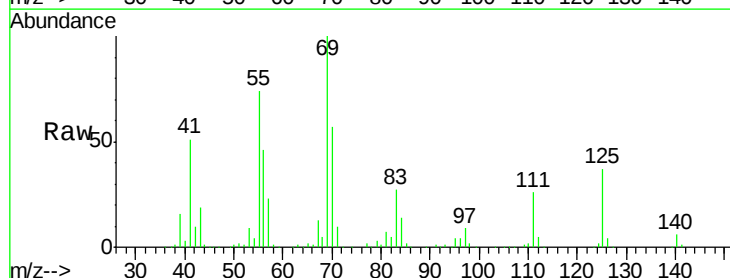
Tgt Ion: 77 Resp: 18575

Ion Ratio Lower Upper

77 100

105 13.5 83.9 123.9#

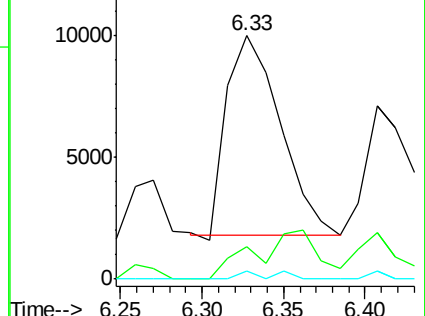
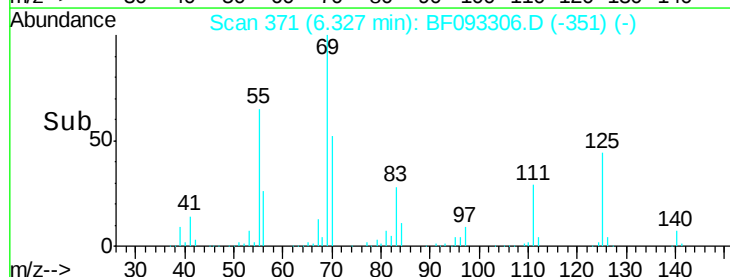
106 3.3 77.6 117.6#

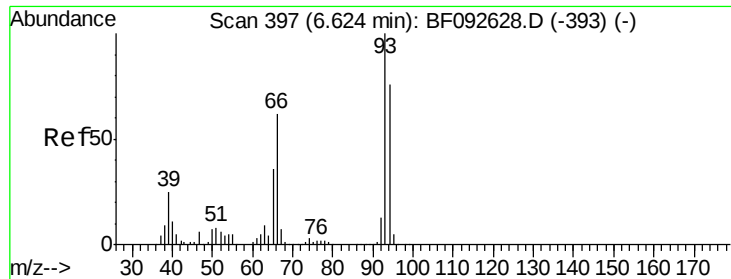


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.56 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.05 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

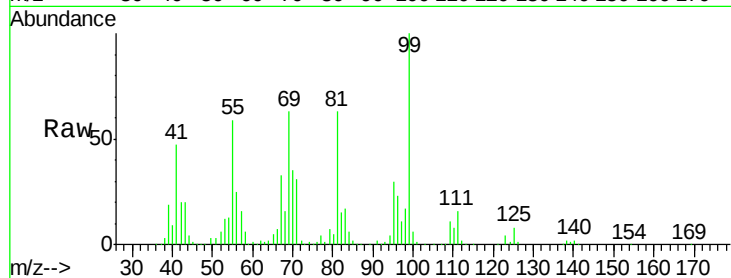
Tgt Ion: 94 Resp: 25056

Ion Ratio Lower Upper

94 100

65 127.7 21.4 61.4#

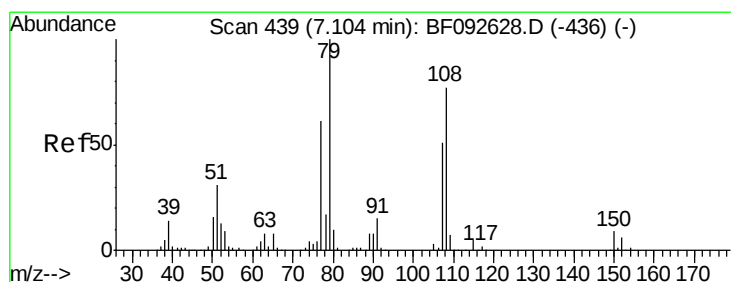
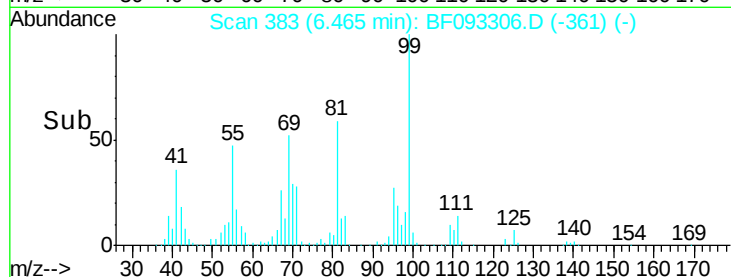
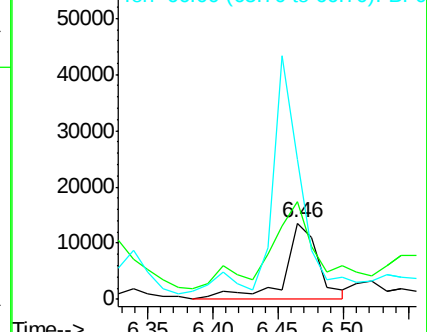
66 183.4 44.0 84.0#



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: 4.24 ng

RT: 7.00 min Scan# 430

Delta R.T. 0.00 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

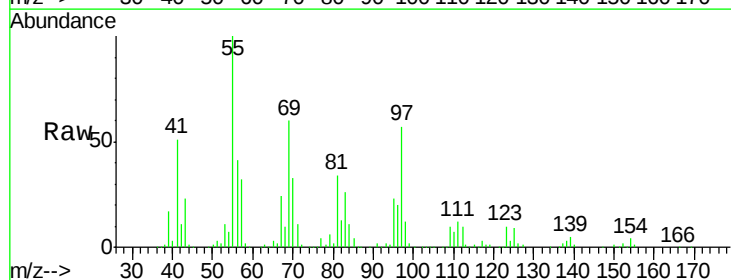
Tgt Ion: 79 Resp: 26288

Ion Ratio Lower Upper

79 100

108 7.7 61.4 92.0#

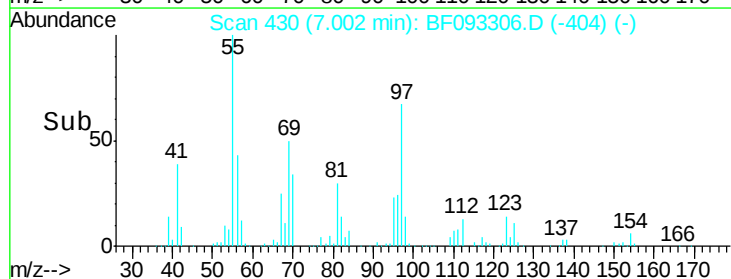
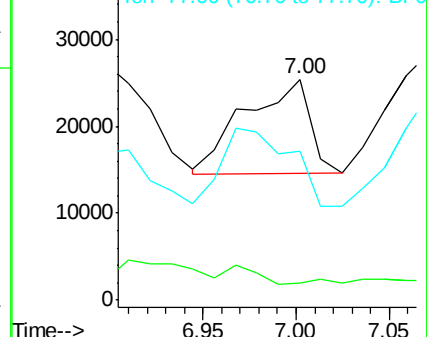
77 67.2 50.9 76.3

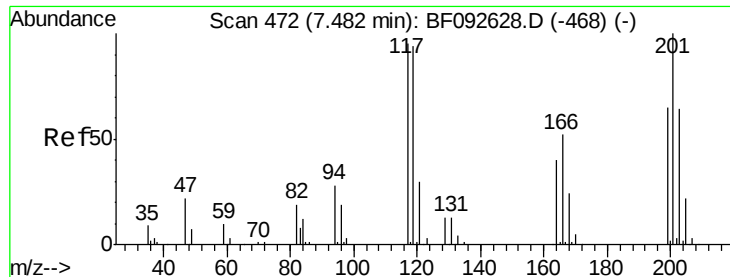


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

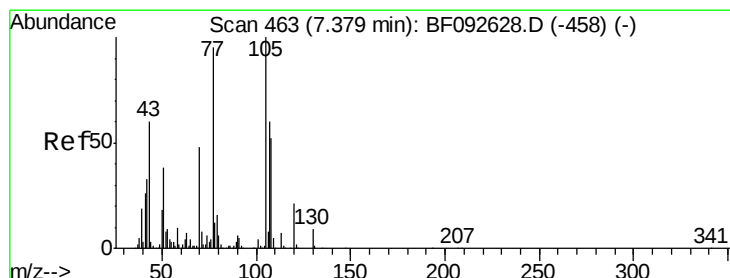
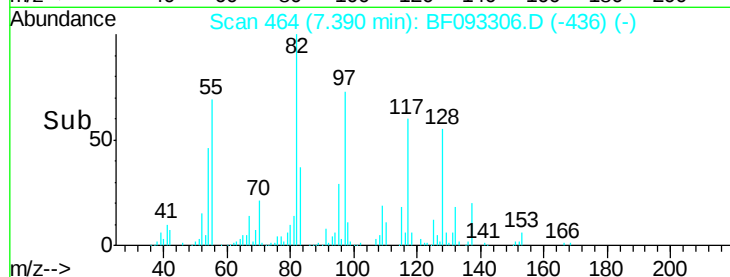
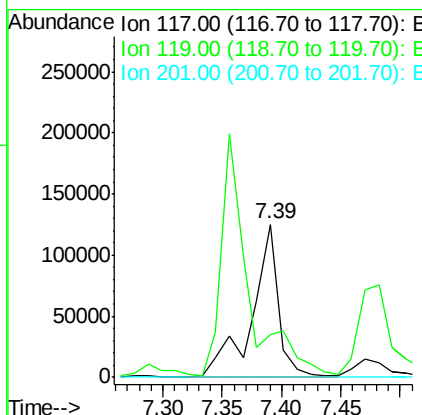
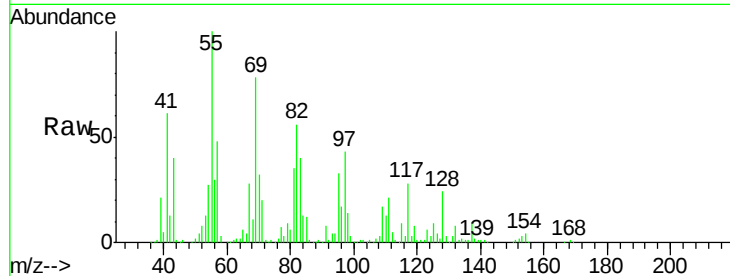




#18
Hexachloroethane
Concen: 66.66 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.02 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

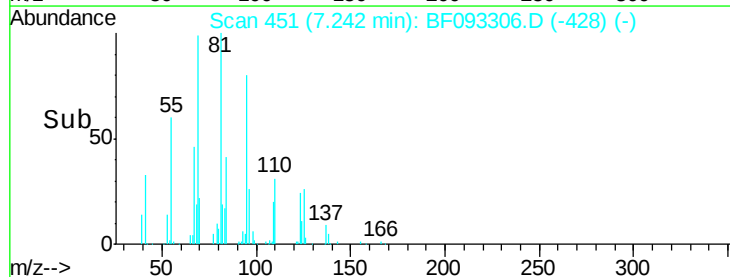
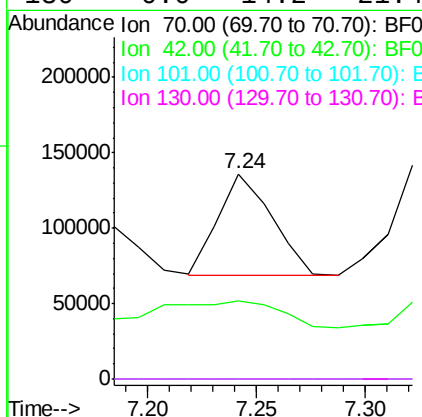
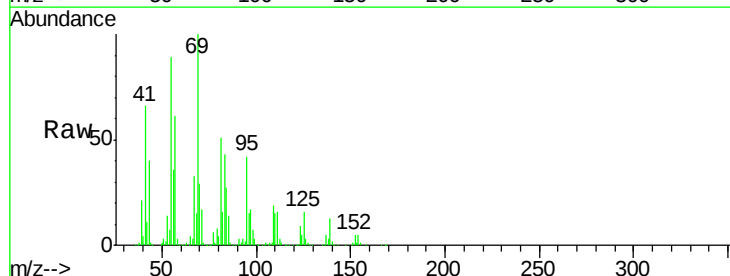
Instrument :
BNA_F
ClientSampled :
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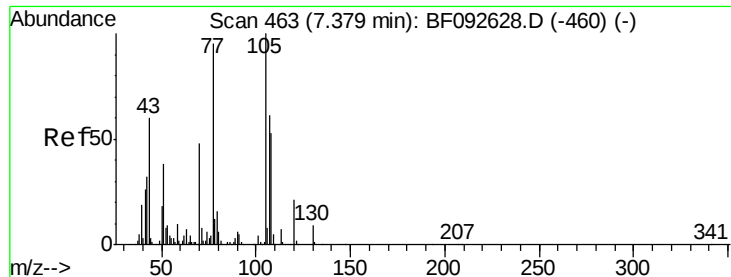
Tgt Ion: 117 Resp: 193611
Ion Ratio Lower Upper
117 100
119 28.1 78.1 117.1#
201 0.0 78.6 117.8#



#19
n-Nitroso-di-n-propylamine
Concen: 21.63 ng
RT: 7.24 min Scan# 451
Delta R.T. -0.03 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

Tgt Ion: 70 Resp: 115236
Ion Ratio Lower Upper
70 100
42 38.1 49.4 74.0#
101 0.2 7.4 11.2#
130 0.0 14.2 21.4#

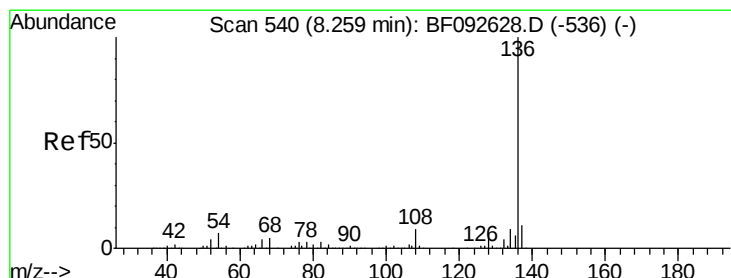
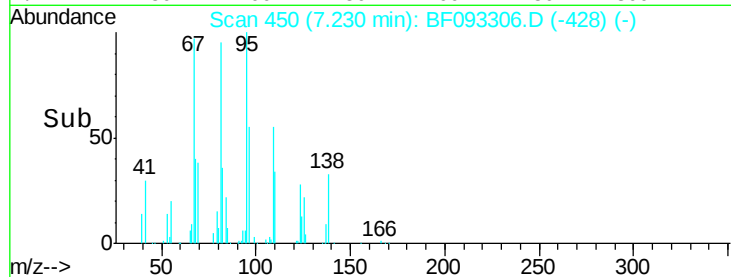
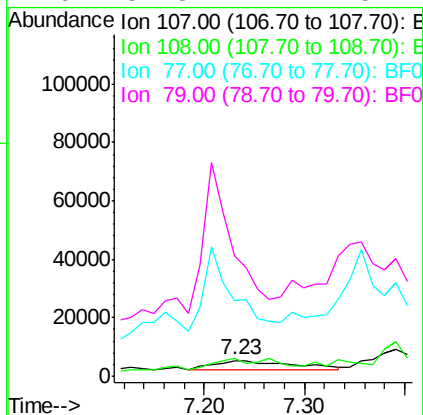
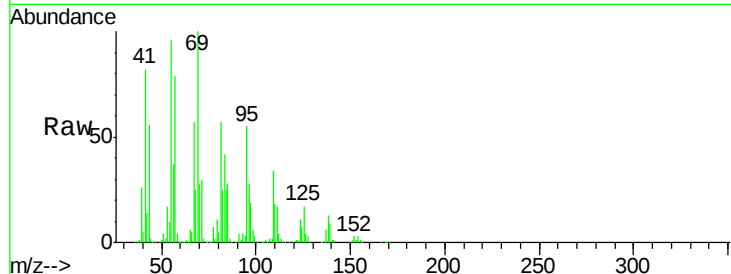




#20
3+4-Methylphenols
Concen: 2.27 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.05 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

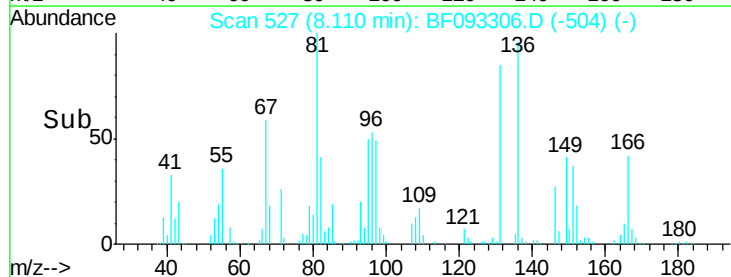
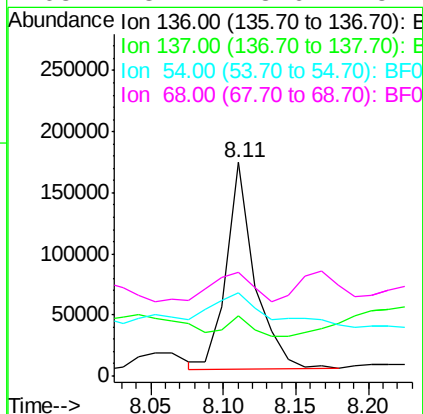
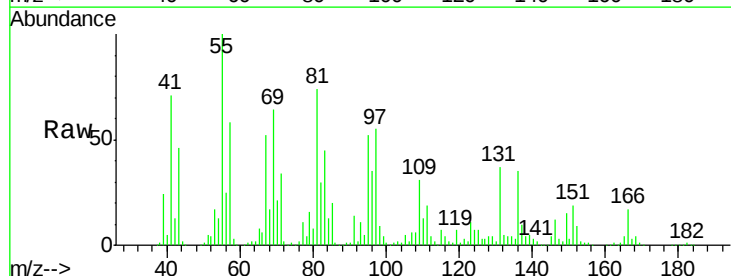
Instrument :
BNA_F
ClientSampled :
HY-SB438

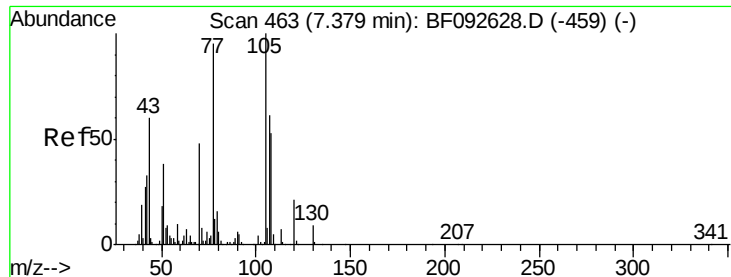
Tgt Ion:107 Resp: 16734
Ion Ratio Lower Upper
107 100
108 115.8 73.0 113.0#
77 472.7 71.3 111.3#
79 751.8 11.1 51.1#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

Tgt Ion:136 Resp: 229683
Ion Ratio Lower Upper
136 100
137 28.1 8.4 12.6#
54 38.9 4.5 6.7#
68 48.4 3.6 5.4#





#22

Acetophenone

Concen: 2.68 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.06 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

Tgt Ion: 105 Resp: 14038

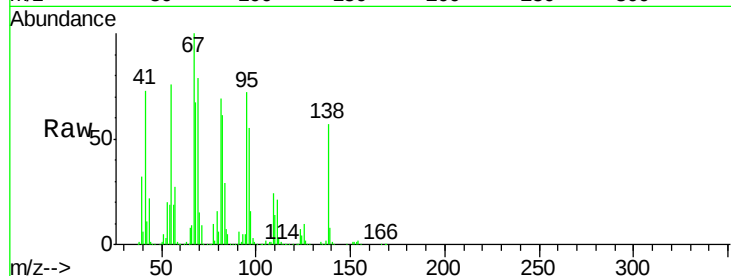
Ion Ratio Lower Upper

105 100

71 369.8 3.2 4.8#

51 209.8 26.2 39.4#

120 0.0 16.6 24.8#

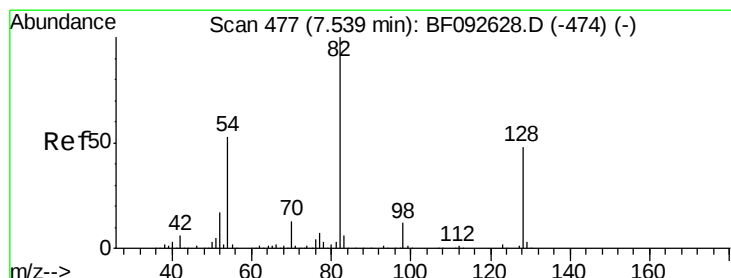
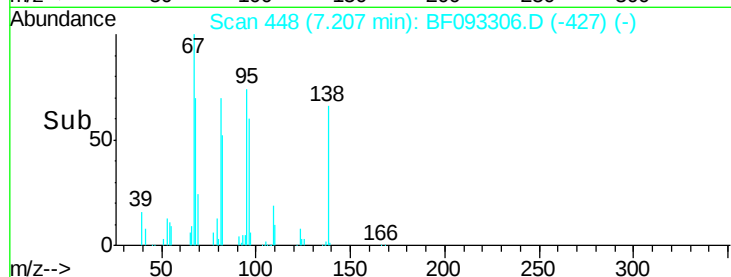
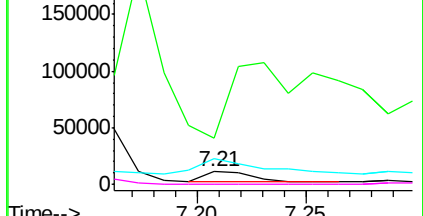


Abundance Ion 105.00 (104.70 to 105.70): E

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: 146.58 ng

RT: 7.38 min Scan# 463

Delta R.T. -0.05 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

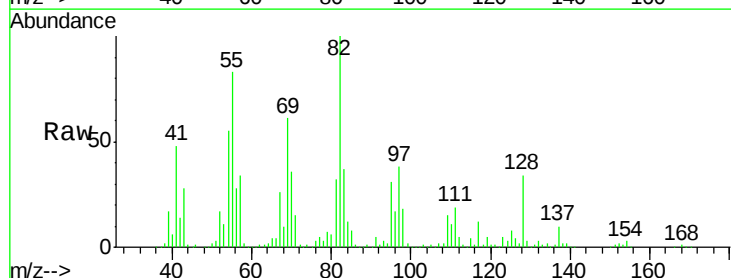
Tgt Ion: 82 Resp: 604563

Ion Ratio Lower Upper

82 100

128 33.5 34.6 52.0#

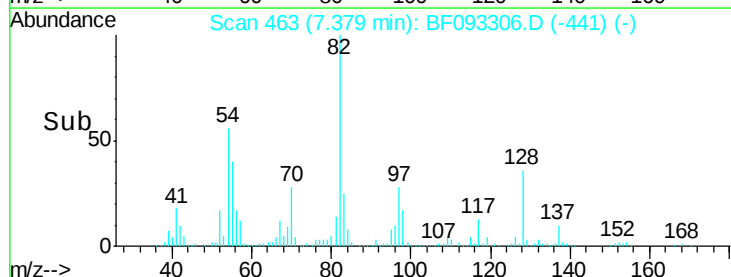
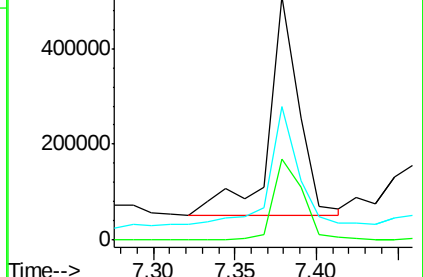
54 54.6 39.5 59.3

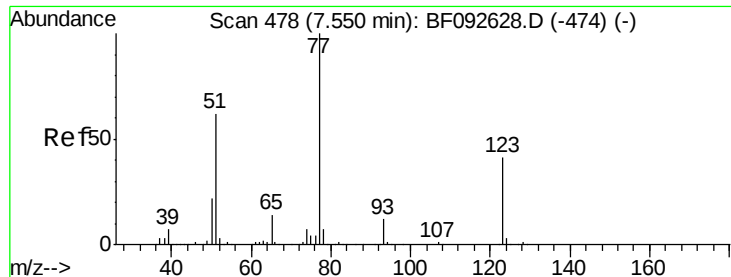


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#24

Nitrobenzene

Concen: 13.39 ng

RT: 7.46 min Scan# 470

Delta R.T. 0.01 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampled :

HY-SB438

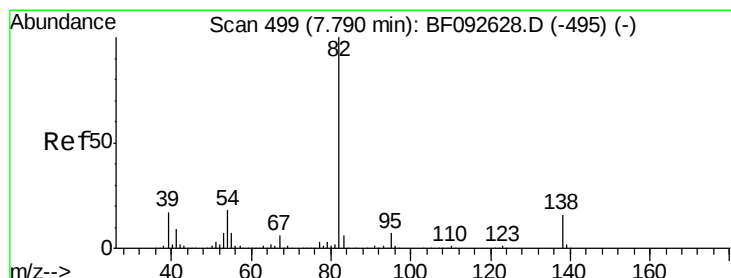
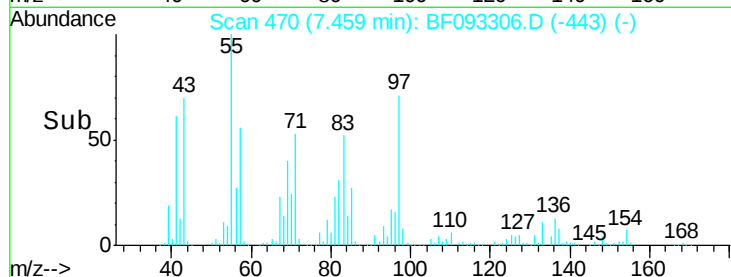
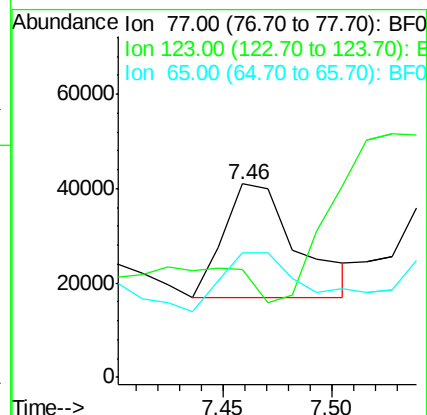
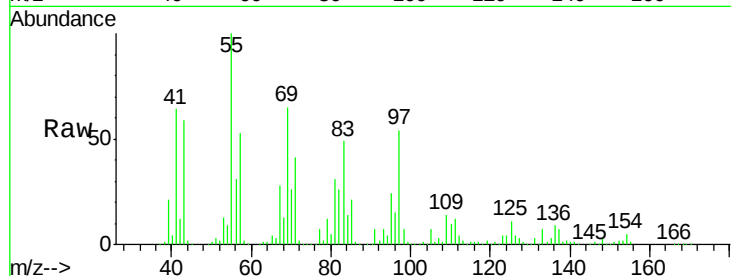
Tgt Ion: 77 Resp: 56699

Ion Ratio Lower Upper

77 100

123 56.1 33.0 49.4#

65 64.7 11.2 16.8#



#25

Isophorone

Concen: 40.23 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.06 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

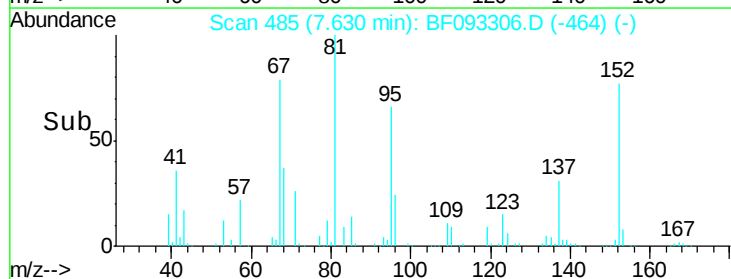
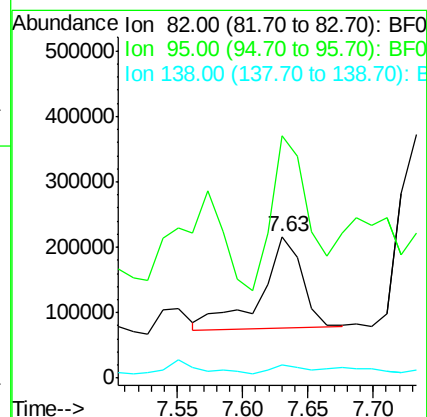
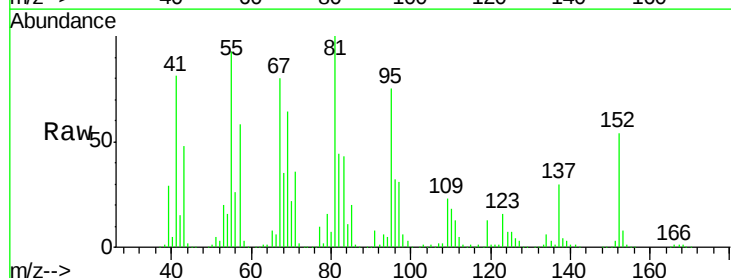
Tgt Ion: 82 Resp: 309200

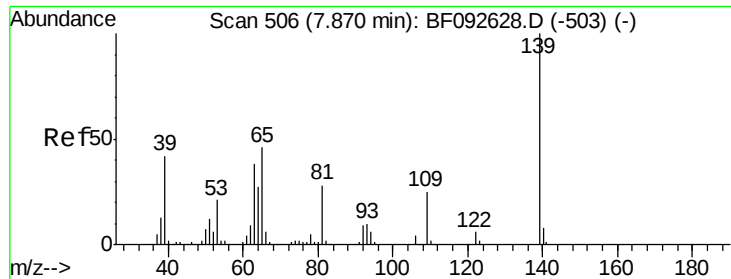
Ion Ratio Lower Upper

82 100

95 171.5 5.6 8.4#

138 9.3 14.6 22.0#

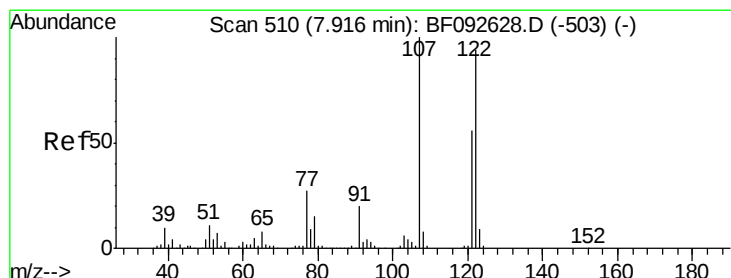
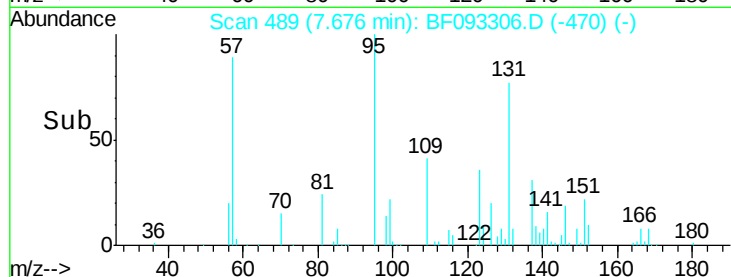
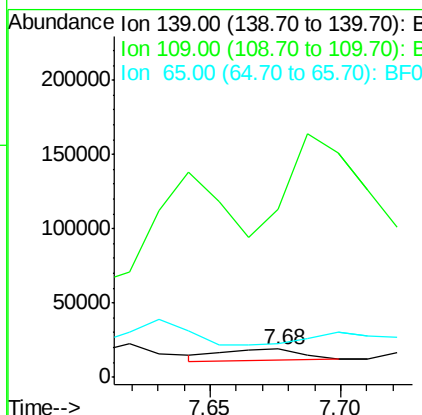
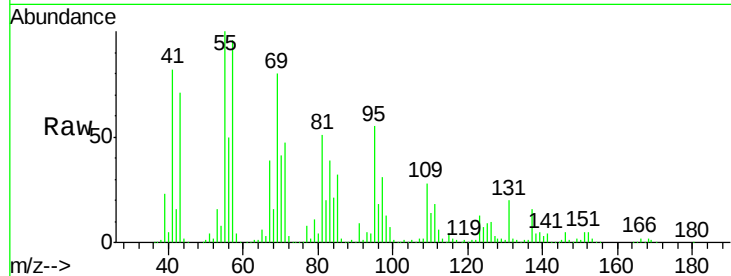




#26
 2-Nitrophenol
 Concen: 8.70 ng
 RT: 7.68 min Scan# 489
 Delta R.T. -0.08 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

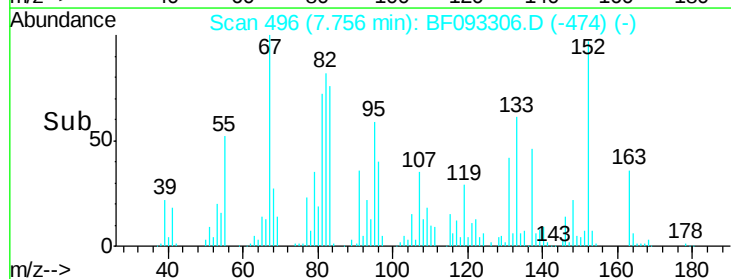
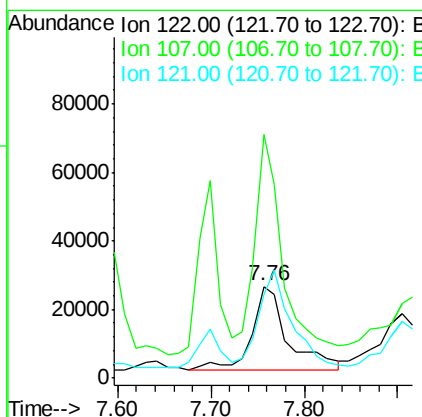
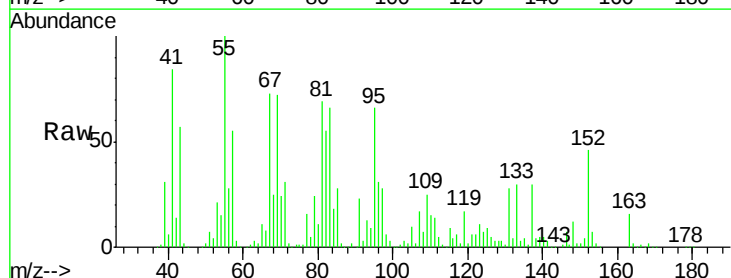
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB438

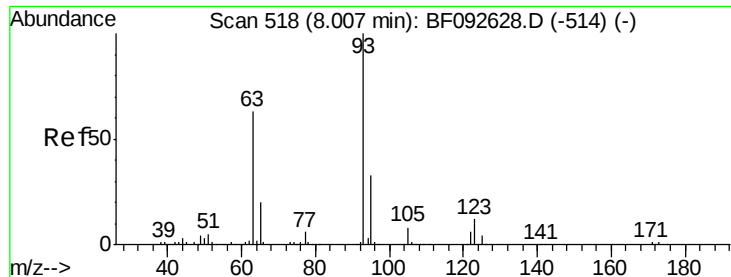
Tgt Ion:139 Resp: 17515
 Ion Ratio Lower Upper
 139 100
 109 591.4 23.3 34.9#
 65 117.1 42.7 64.1#



#27
 2,4-Dimethylphenol
 Concen: 18.43 ng
 RT: 7.76 min Scan# 496
 Delta R.T. -0.05 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:122 Resp: 65154
 Ion Ratio Lower Upper
 122 100
 107 266.5 94.1 141.1#
 121 91.7 46.0 69.0#

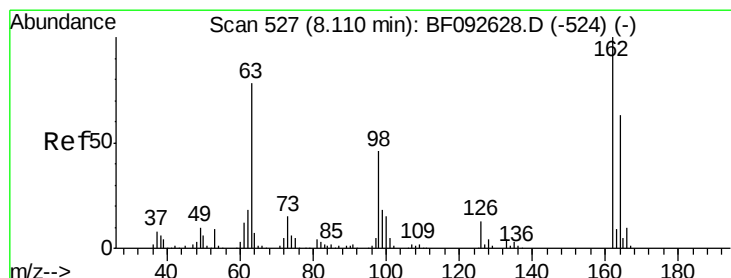
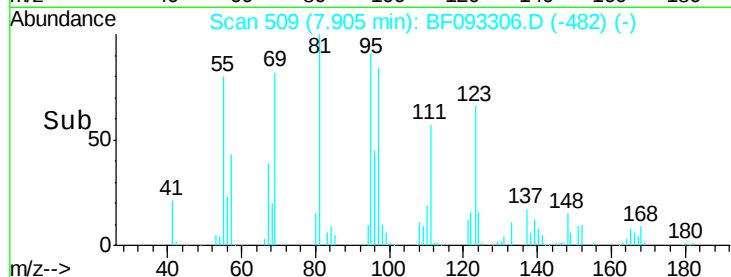
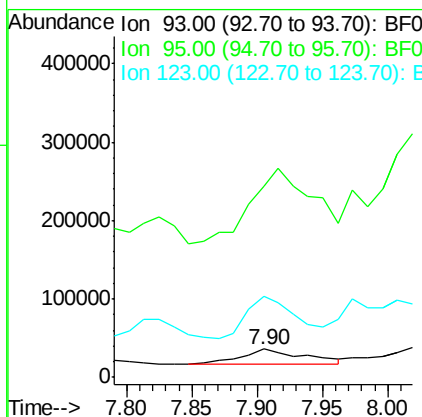
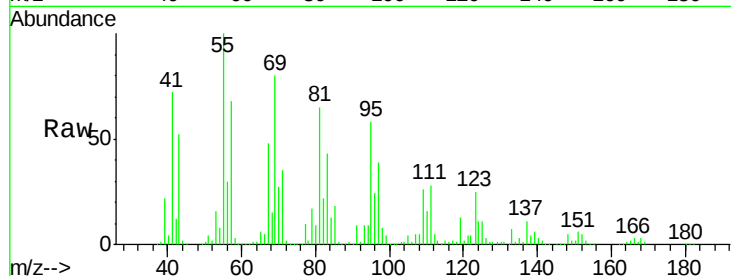




#28
bis(2-Chloroethoxy)methane
Concen: 12.66 ng
RT: 7.90 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

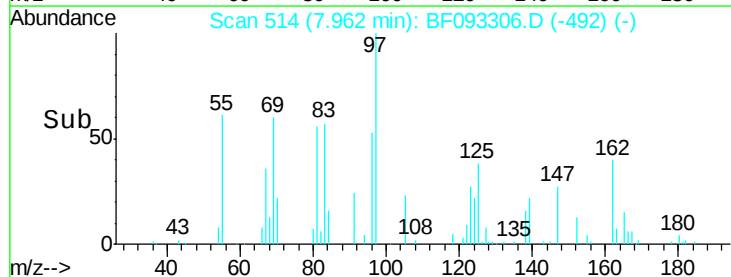
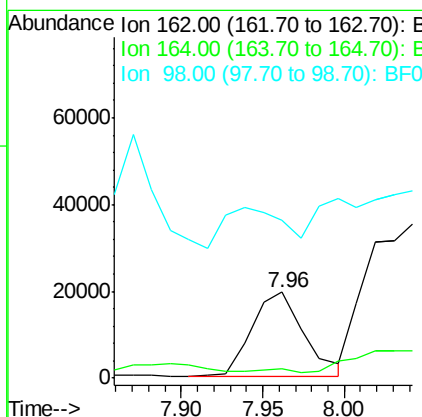
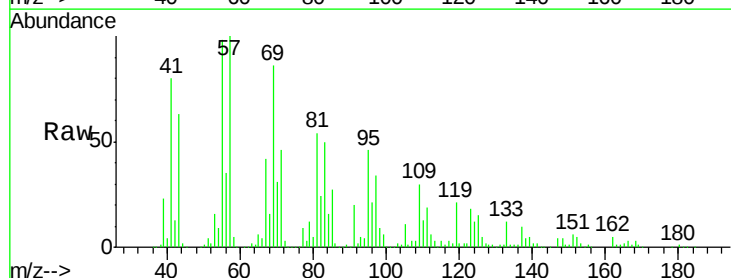
Instrument :
BNA_F
ClientSampleId :
HY-SB438

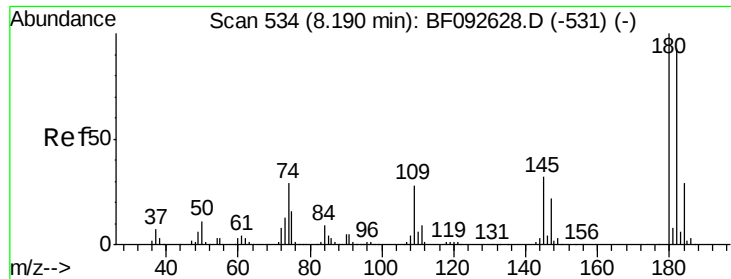
Tgt Ion: 93 Resp: 64460
Ion Ratio Lower Upper
93 100
95 680.3 26.5 39.7#
123 287.0 8.6 13.0#



#29
2,4-Dichlorophenol
Concen: 13.14 ng
RT: 7.96 min Scan# 514
Delta R.T. -0.05 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

Tgt Ion: 162 Resp: 43333
Ion Ratio Lower Upper
162 100
164 11.6 46.8 86.8#
98 184.0 9.1 49.1#

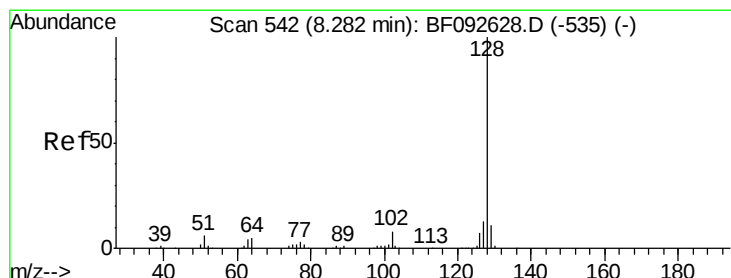
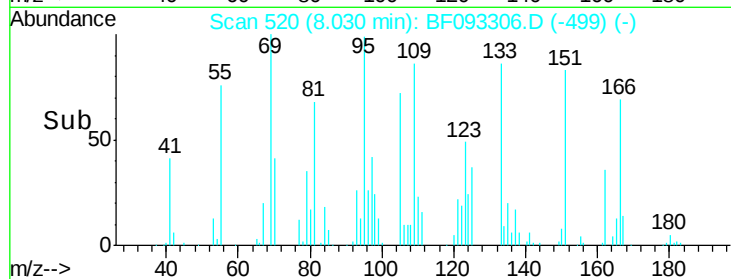
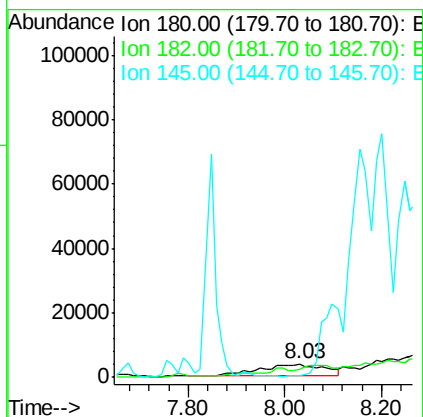
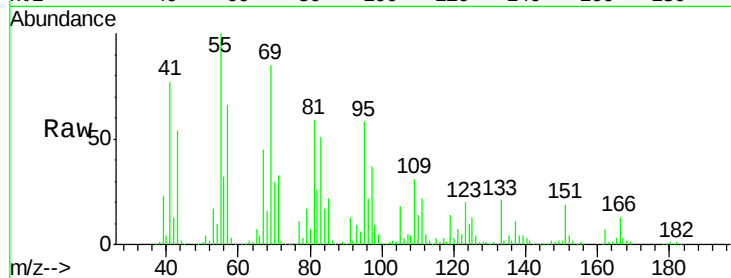




#30
 1,2,4-Trichlorobenzene
 Concen: 10.02 ng
 RT: 8.03 min Scan# 520
 Delta R.T. -0.06 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

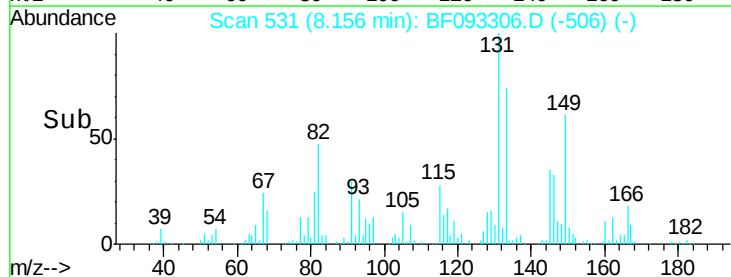
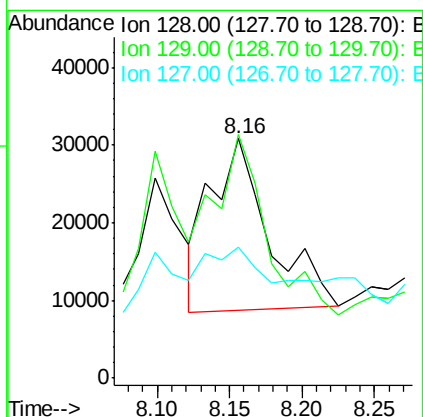
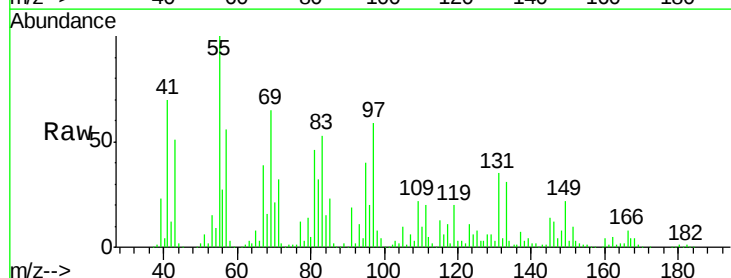
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB438

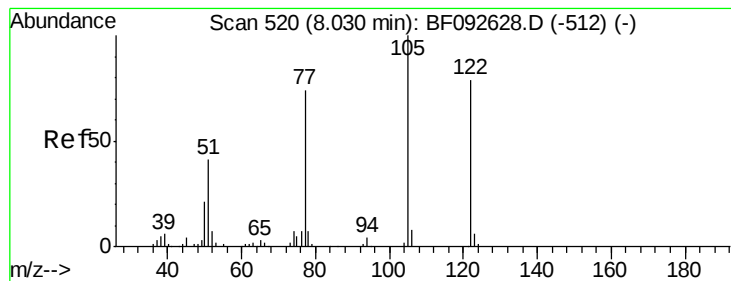
Tgt Ion:180 Resp: 35614
 Ion Ratio Lower Upper
 180 100
 182 65.6 78.2 117.4#
 145 12.1 21.6 32.4#



#31
 Naphthalene
 Concen: 5.32 ng
 RT: 8.16 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:128 Resp: 61990
 Ion Ratio Lower Upper
 128 100
 129 101.7 9.5 14.3#
 127 54.8 10.8 16.2#





#32

Benzoic acid

Concen: 24.75 ng

RT: 7.90 min Scan# 509

Delta R.T. -0.02 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

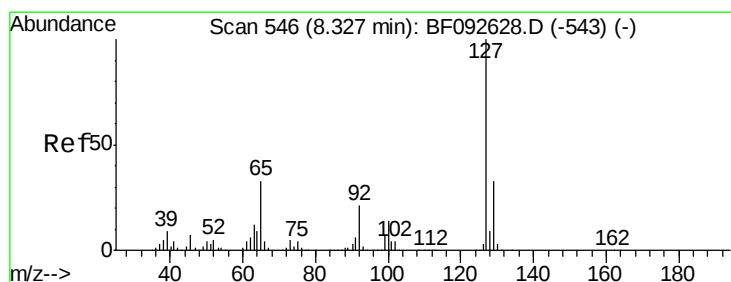
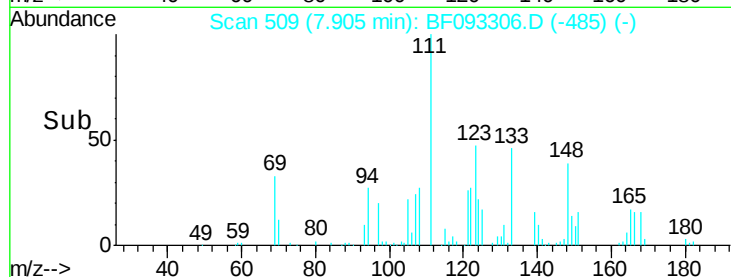
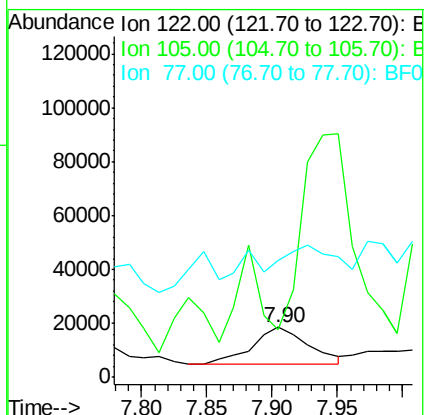
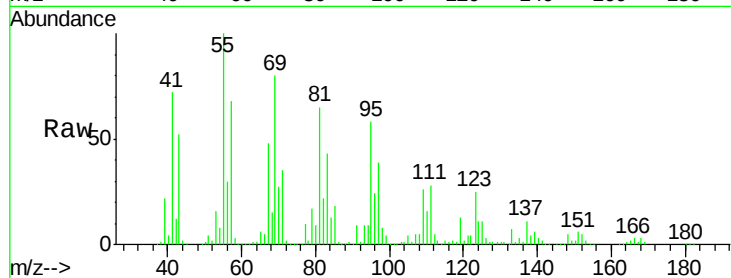
Tgt Ion:122 Resp: 41418

Ion Ratio Lower Upper

122 100

105 94.5 107.2 147.2#

77 232.3 74.5 114.5#



#33

4-Chloroaniline

Concen: 2.87 ng

RT: 8.16 min Scan# 531

Delta R.T. -0.06 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Tgt Ion:127 Resp: 13123

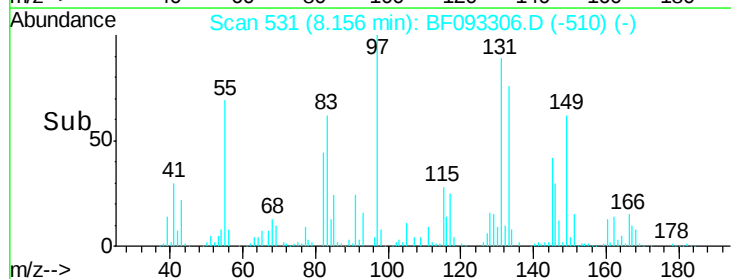
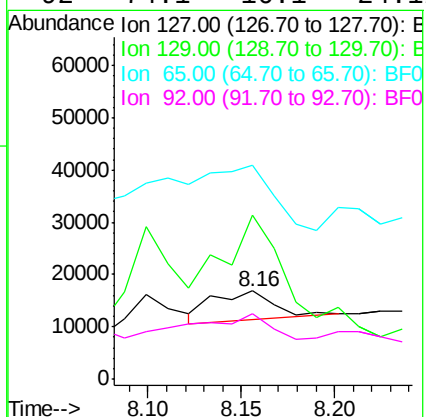
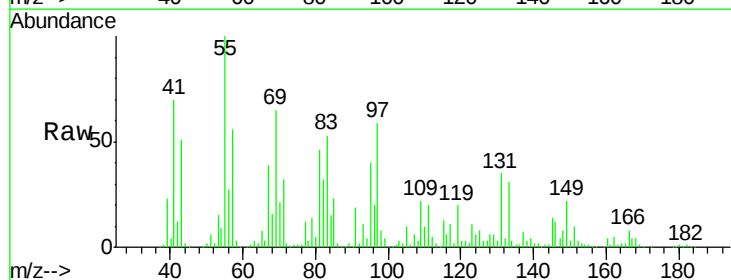
Ion Ratio Lower Upper

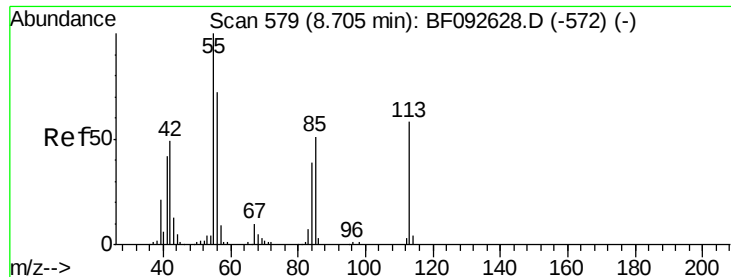
127 100

129 185.7 26.3 39.5#

65 242.1 25.8 38.8#

92 74.1 16.1 24.1#

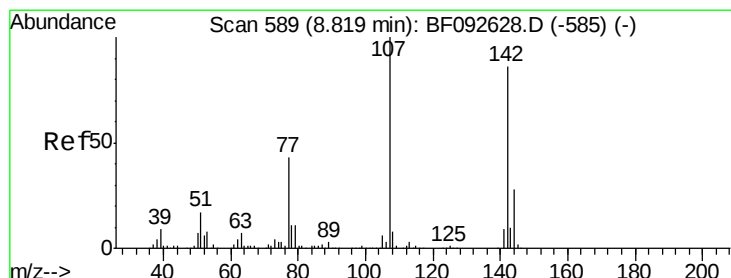
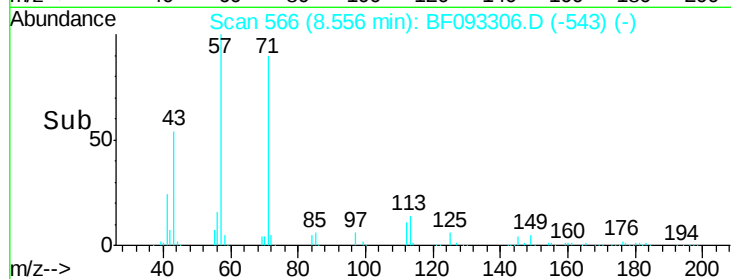
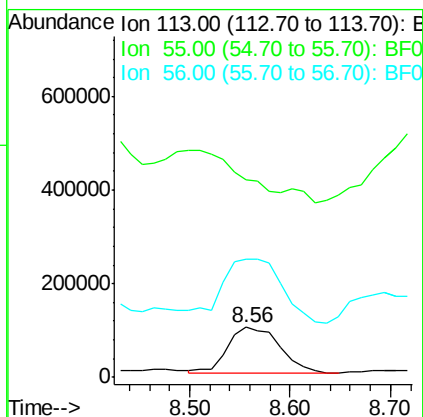
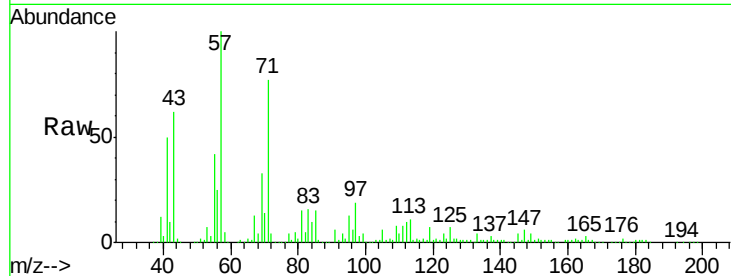




#35
 Caprolactam
 Concen: 330.50 ng
 RT: 8.56 min Scan# 566
 Delta R.T. -0.03 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

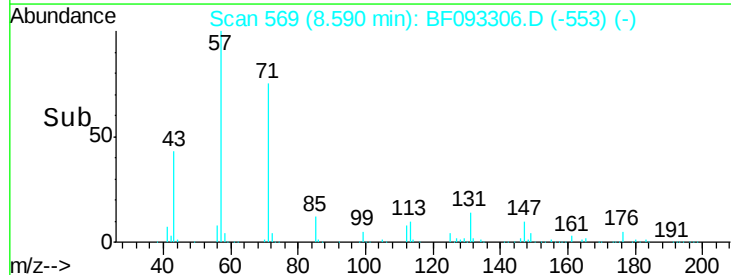
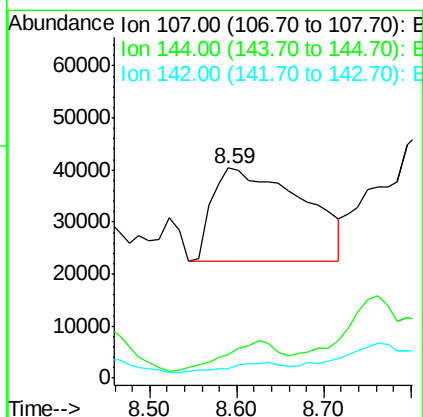
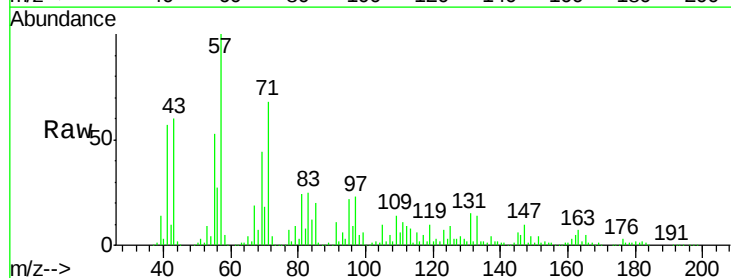
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB438

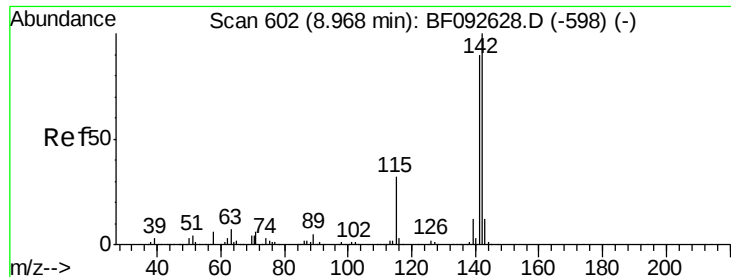
Tgt Ion:113 Resp: 342807
 Ion Ratio Lower Upper
 113 100
 55 394.6 119.2 159.2#
 56 237.3 83.8 123.8#



#36
 4-Chloro-3-methylphenol
 Concen: 37.82 ng
 RT: 8.59 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:107 Resp: 130011
 Ion Ratio Lower Upper
 107 100
 144 11.4 19.3 28.9#
 142 4.2 59.0 88.6#

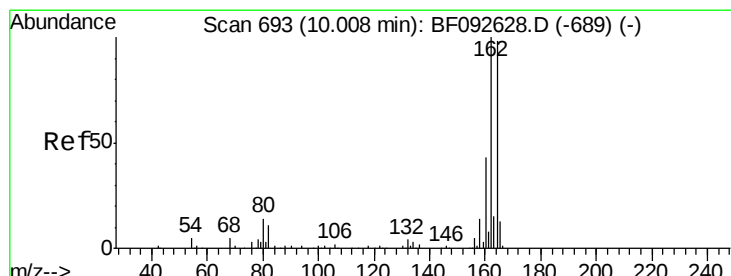
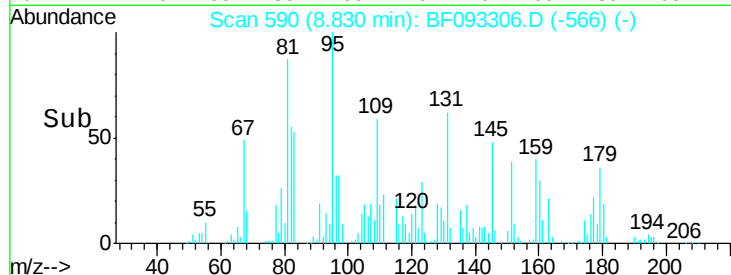
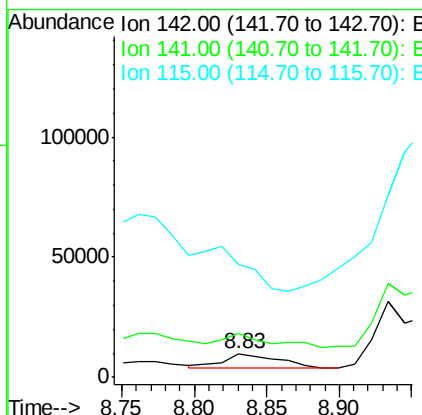
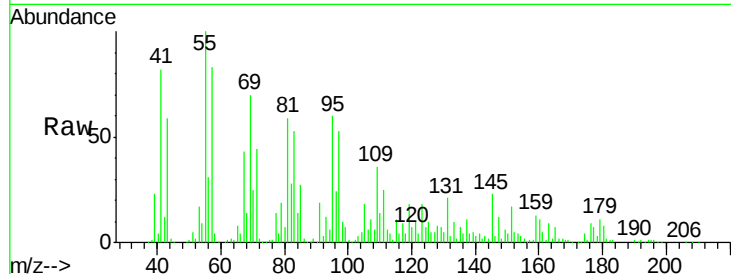




#37
 2-Methylnaphthalene
 Concen: 2.08 ng
 RT: 8.83 min Scan# 590
 Delta R.T. -0.02 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

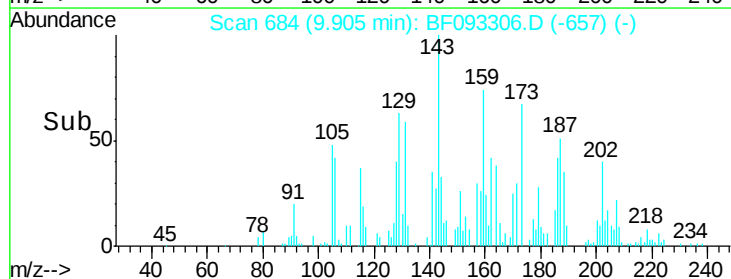
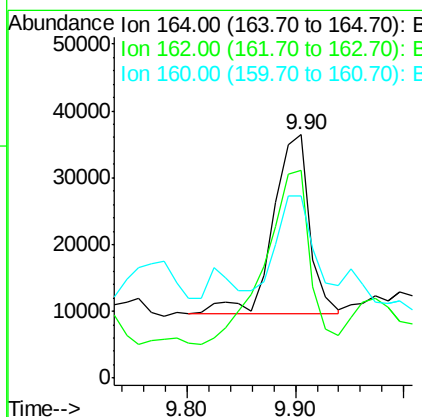
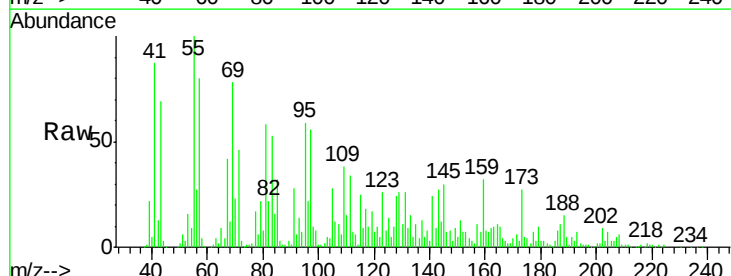
Instrument :
 BNA_F
 ClientSampled :
 HY-SB438

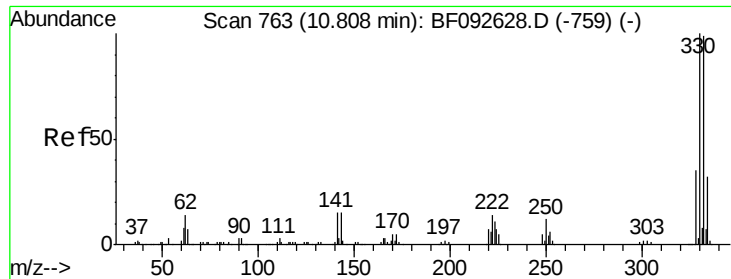
Tgt Ion:142 Resp: 15513
 Ion Ratio Lower Upper
 142 100
 141 185.5 71.0 106.6#
 115 484.2 28.3 42.5#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.90 min Scan# 684
 Delta R.T. 0.01 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:164 Resp: 62160
 Ion Ratio Lower Upper
 164 100
 162 85.5 80.2 120.2
 160 74.9 36.9 55.3#

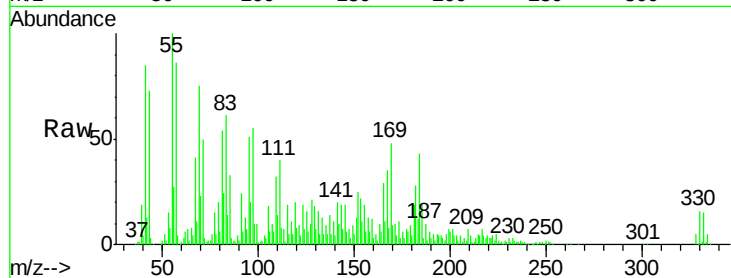




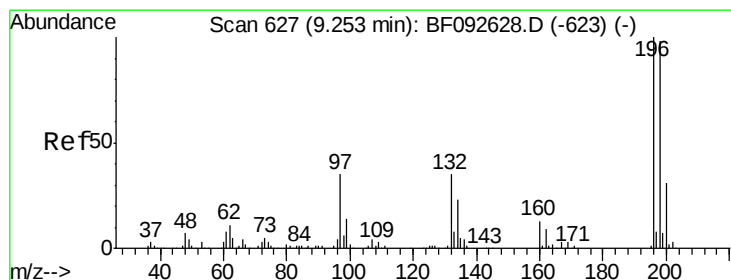
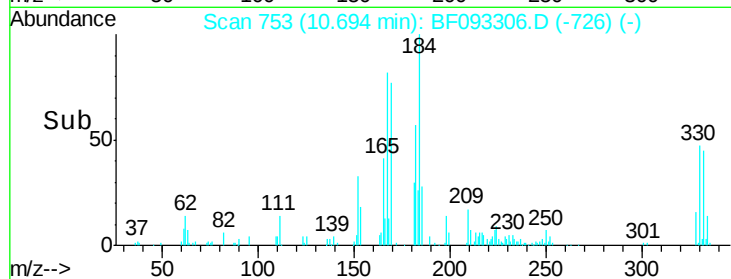
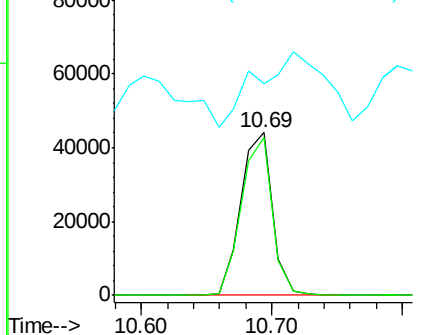
#41
 2,4,6-Tribromophenol
 Concen: 164.19 ng
 RT: 10.69 min Scan# 753
 Delta R.T. 0.01 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Instrument :
 BNA_F
 ClientSampleId :
 HY-SB438

Tgt Ion:330 Resp: 73817
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.4 116.2
 141 0.0 34.1 51.1#

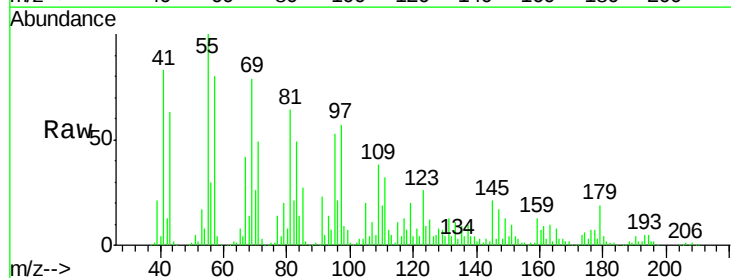


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

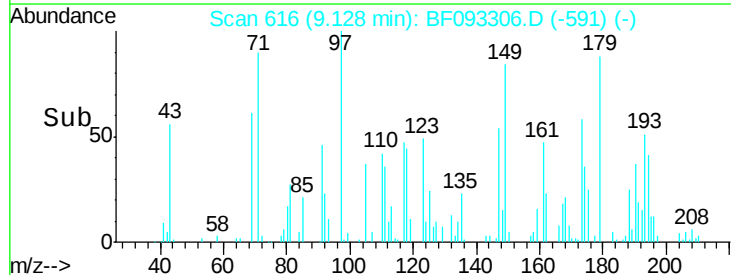
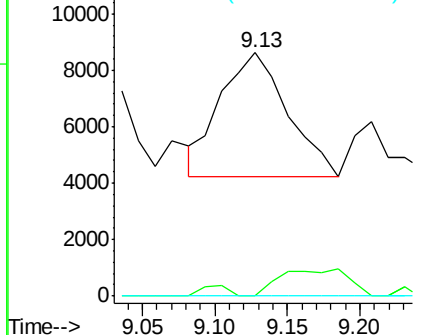


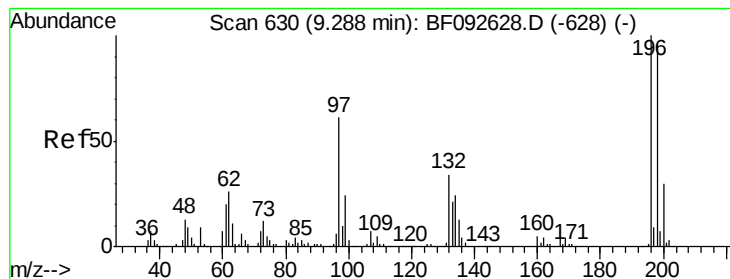
#42
 2,4,6-Trichlorophenol
 Concen: 12.26 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.01 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:196 Resp: 14061
 Ion Ratio Lower Upper
 196 100
 198 0.0 82.1 123.1#
 200 0.0 27.0 40.4#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





#43

2,4,5-Trichlorophenol

Concen: 3.45 ng

RT: 9.21 min Scan# 623

Delta R.T. 0.03 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

Tgt Ion:196 Resp: 4328

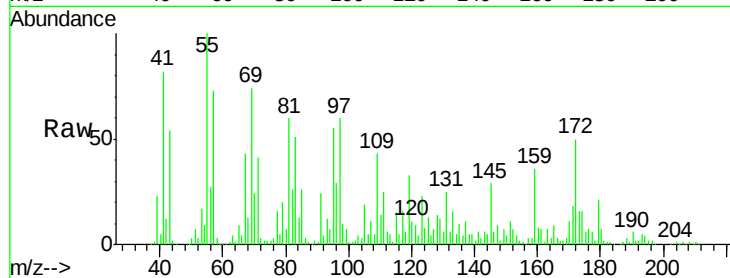
Ion Ratio Lower Upper

196 100

198 0.0 79.4 119.2#

97 3642.0 51.5 77.3#

132 342.8 27.4 41.2#

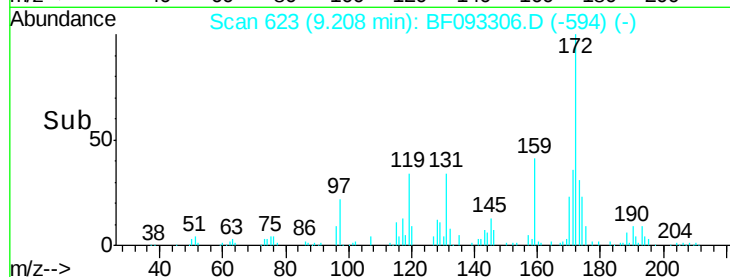


Abundance Ion 196.00 (195.70 to 196.70): E

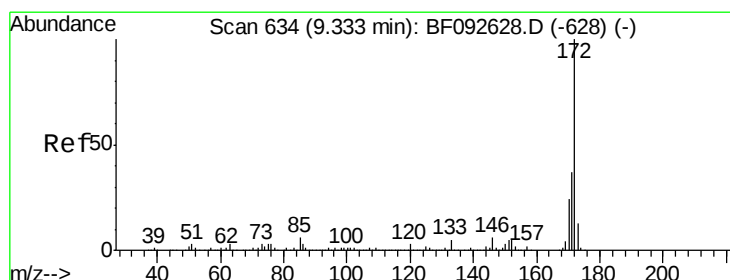
Ion 198.00 (197.70 to 198.70): E

Ion 97.00 (96.70 to 97.70): BF0

Ion 132.00 (131.70 to 132.70): E



Time-->



#44

2-Fluorobiphenyl

Concen: 122.96 ng

RT: 9.21 min Scan# 623

Delta R.T. -0.01 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

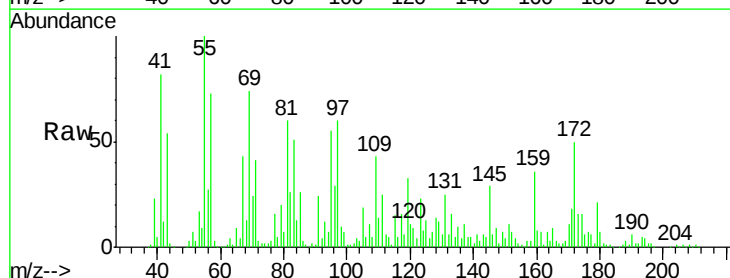
Tgt Ion:172 Resp: 421873

Ion Ratio Lower Upper

172 100

171 35.4 29.4 44.0

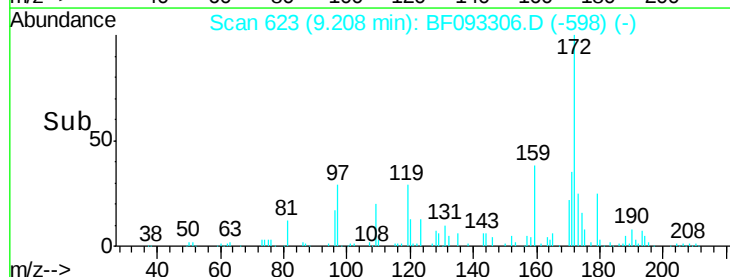
170 22.9 20.2 30.4



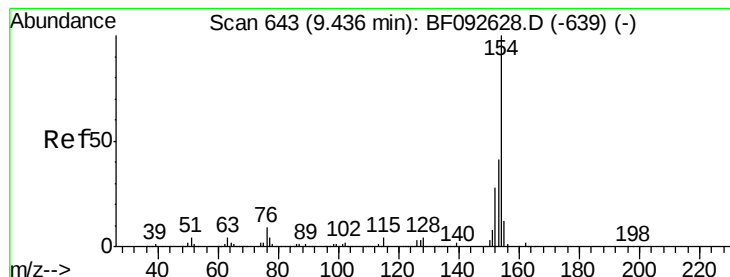
Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



Time-->



#45

1,1'-Biphenyl

Concen: 2.65 ng

RT: 9.30 min Scan# 631

Delta R.T. -0.02 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

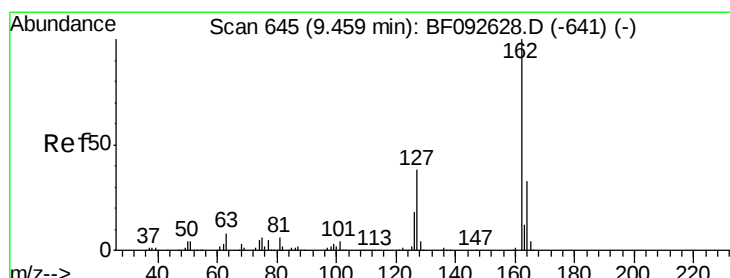
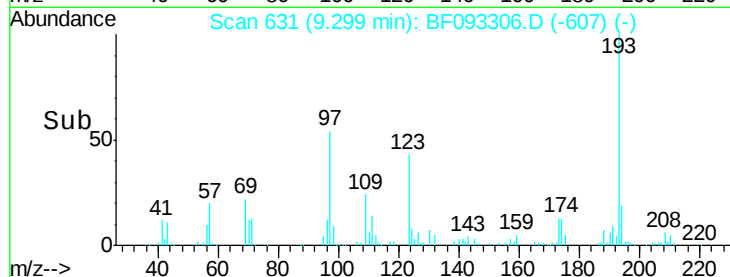
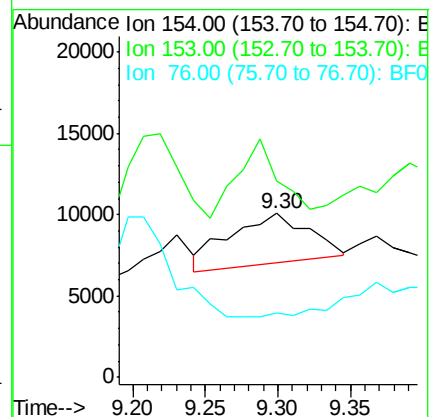
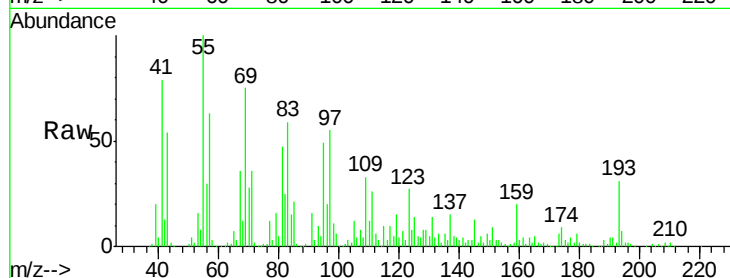
Tgt Ion:154 Resp: 11943

Ion Ratio Lower Upper

154 100

153 120.0 20.9 60.9#

76 39.1 0.0 30.5#



#46

2-Chloronaphthalene

Concen: 2.96 ng

RT: 9.37 min Scan# 637

Delta R.T. 0.02 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

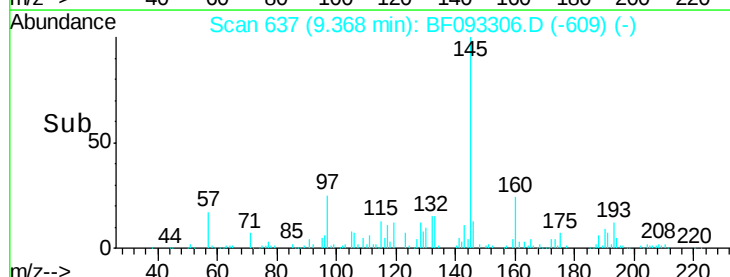
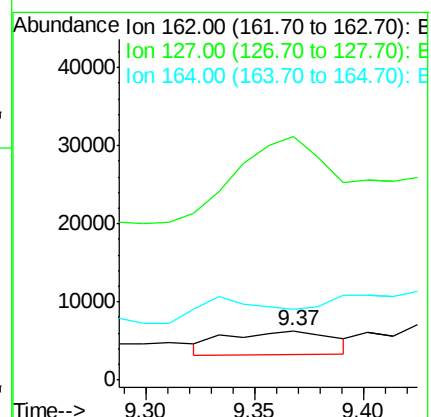
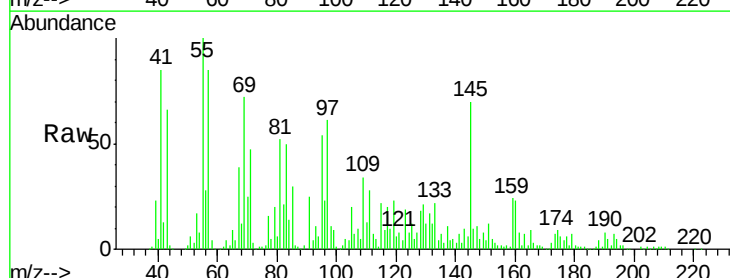
Tgt Ion:162 Resp: 10407

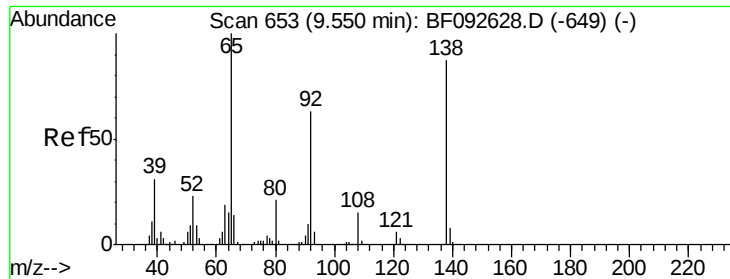
Ion Ratio Lower Upper

162 100

127 490.3 30.7 46.1#

164 143.1 27.6 41.4#

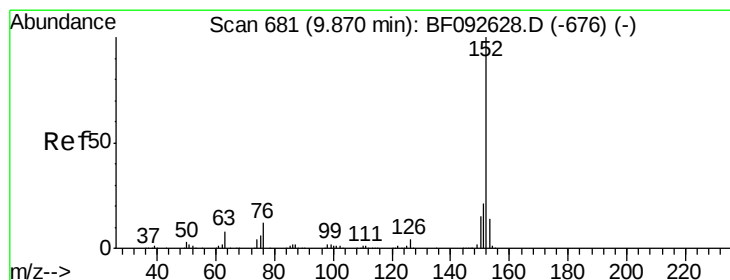
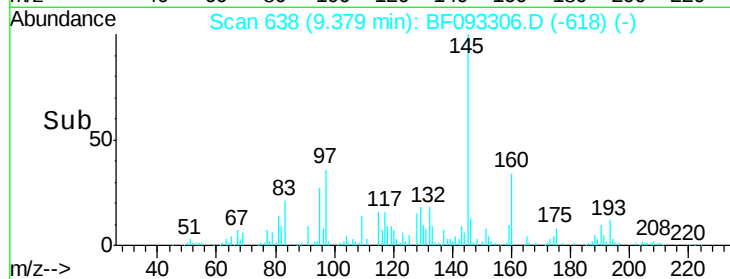
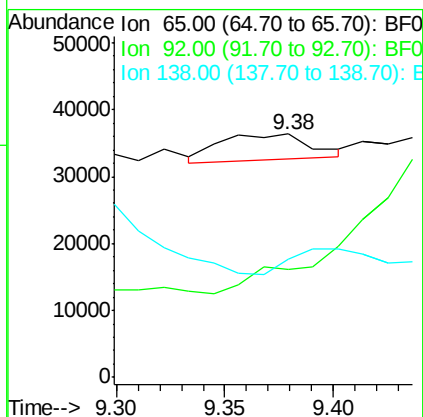
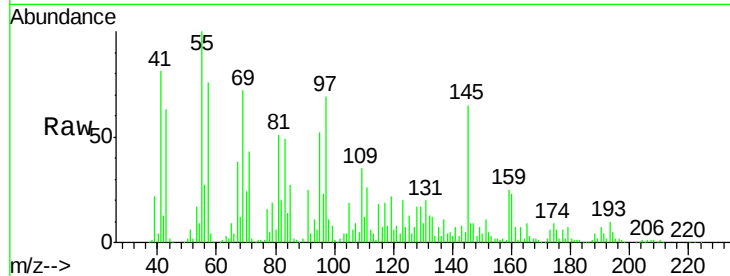




#47
2-Nitroaniline
Concen: 9.64 ng
RT: 9.38 min Scan# 638
Delta R.T. -0.07 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

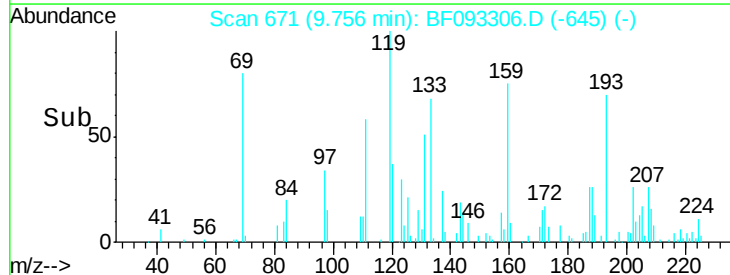
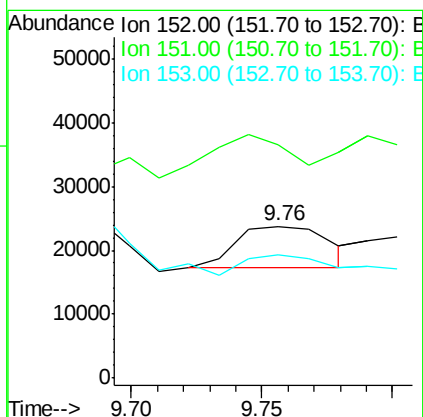
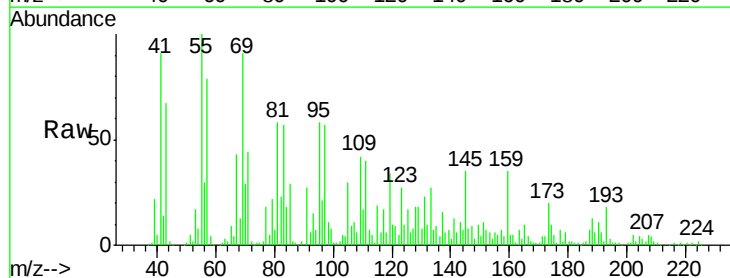
Instrument :
BNA_F
ClientSampled :
HY-SB438

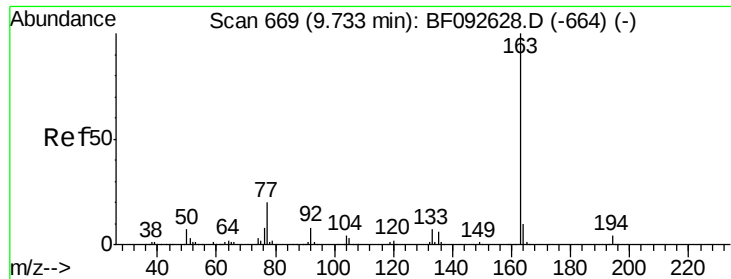
Tgt Ion: 65 Resp: 11409
Ion Ratio Lower Upper
65 100
92 44.6 53.9 80.9#
138 48.3 76.8 115.2#



#48
Acenaphthylene
Concen: 2.67 ng
RT: 9.76 min Scan# 671
Delta R.T. 0.00 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

Tgt Ion: 152 Resp: 16234
Ion Ratio Lower Upper
152 100
151 153.6 16.9 25.3#
153 81.4 11.4 17.2#

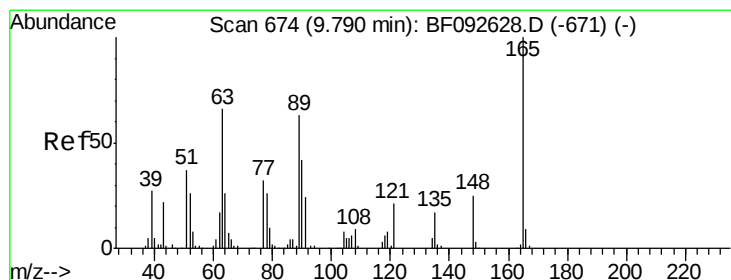
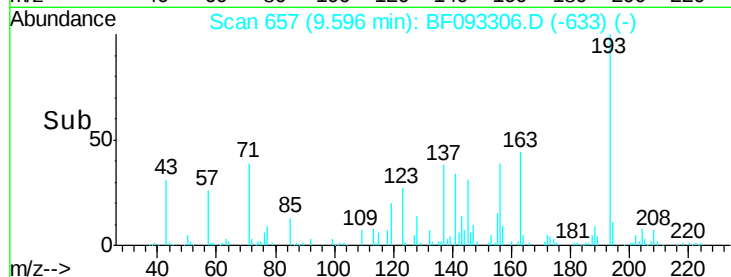
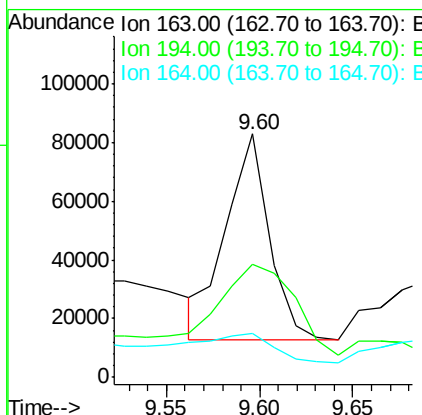
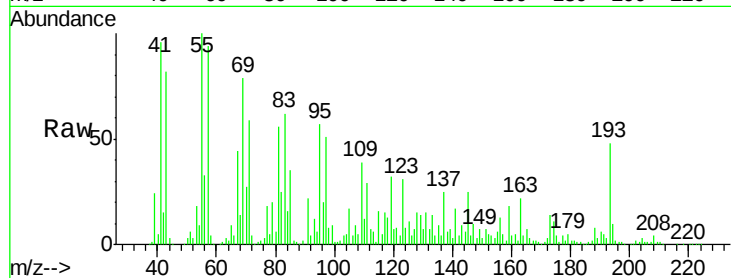




#49
Dimethylphthalate
Concen: 27.27 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

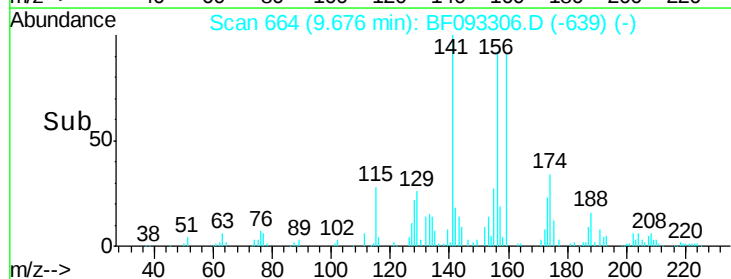
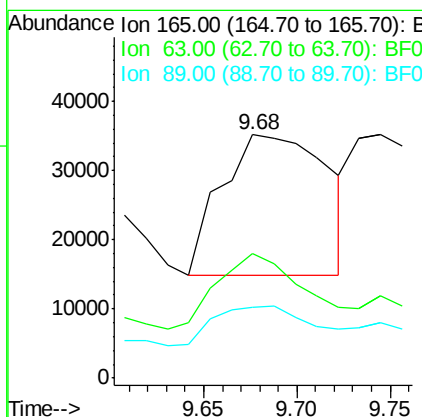
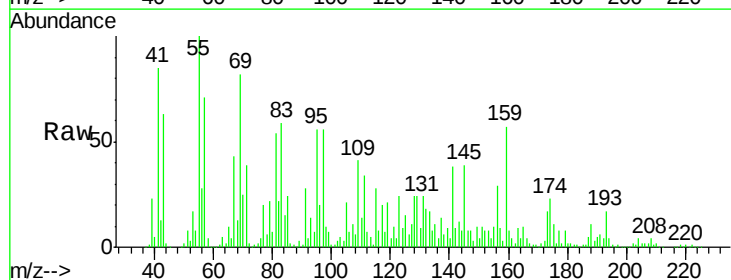
Instrument :
BNA_F
ClientSampleId :
HY-SB438

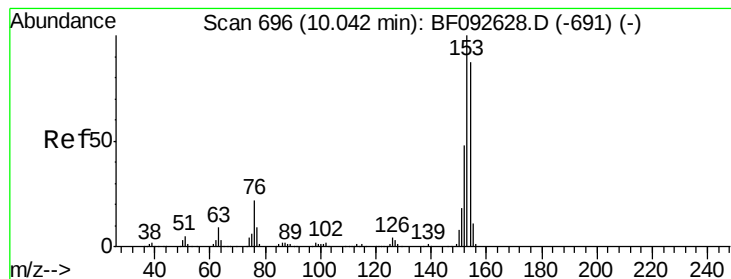
Tgt Ion:163 Resp: 114158
Ion Ratio Lower Upper
163 100
194 46.5 3.0 4.4#
164 17.8 8.0 12.0#



#50
2,6-Dinitrotoluene
Concen: 87.90 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.01 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

Tgt Ion:165 Resp: 79480
Ion Ratio Lower Upper
165 100
63 51.0 36.2 54.4
89 29.0 40.2 60.4#





#51

Acenaphthene

Concen: 13.02 ng

RT: 9.93 min Scan# 686

Delta R.T. 0.00 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

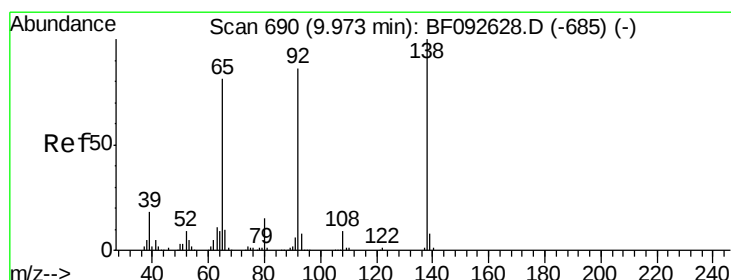
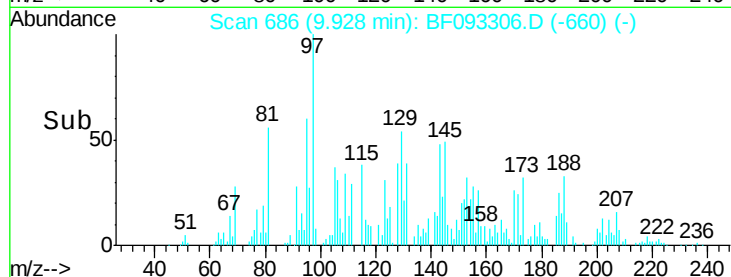
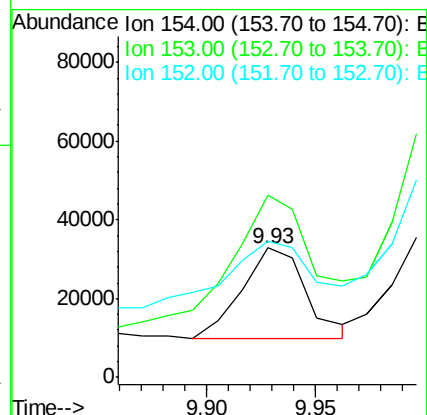
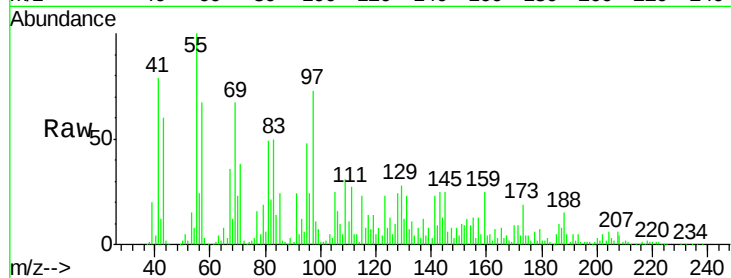
Tgt Ion:154 Resp: 47345

Ion Ratio Lower Upper

154 100

153 140.4 88.6 133.0#

152 105.3 41.6 62.4#



#52

3-Nitroaniline

Concen: 67.42 ng

RT: 9.86 min Scan# 680

Delta R.T. 0.00 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

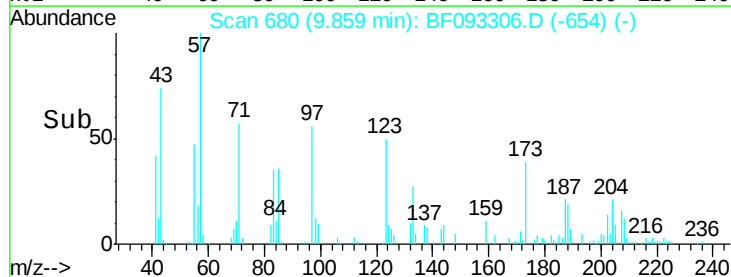
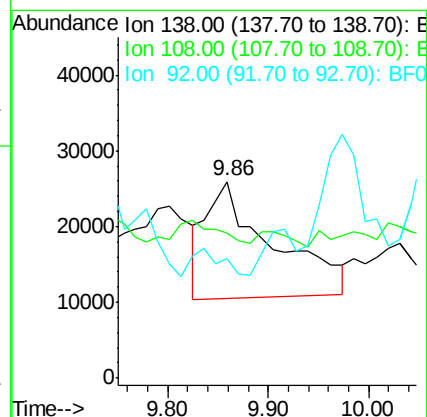
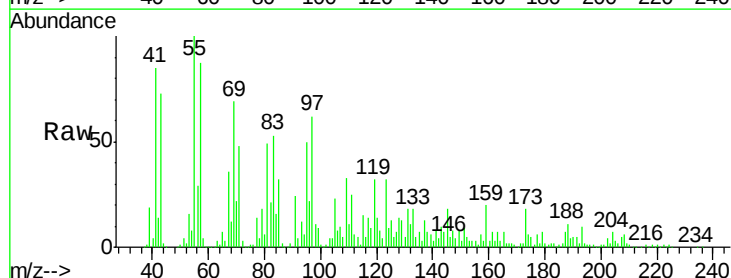
Tgt Ion:138 Resp: 69770

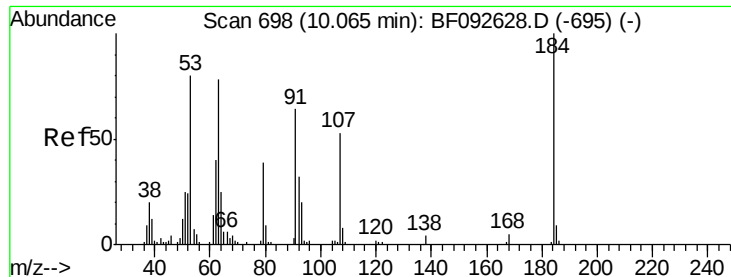
Ion Ratio Lower Upper

138 100

108 73.6 8.5 12.7#

92 60.4 97.8 146.8#

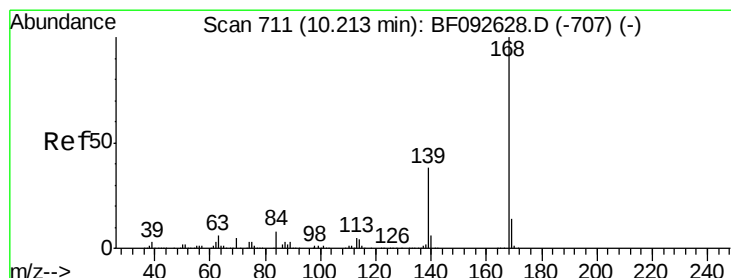
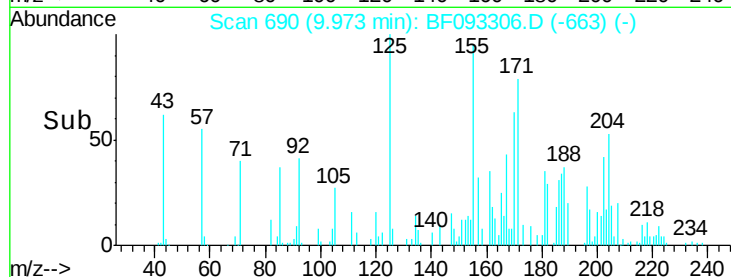
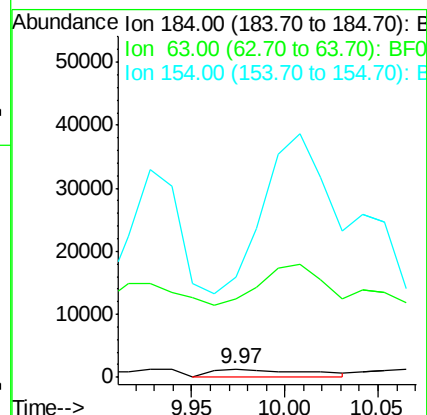
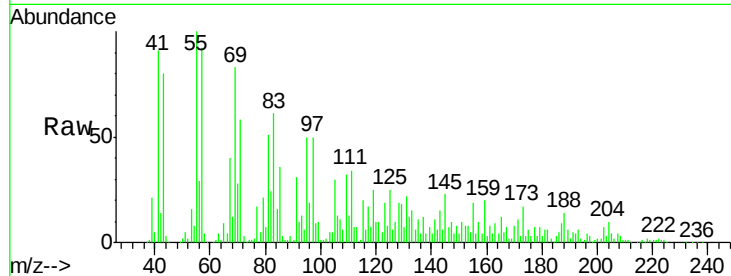




#53
2,4-Dinitrophenol
Concen: 14.07 ng
RT: 9.97 min Scan# 690
Delta R.T. 0.01 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

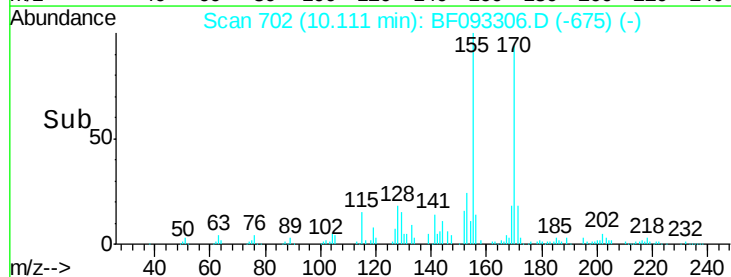
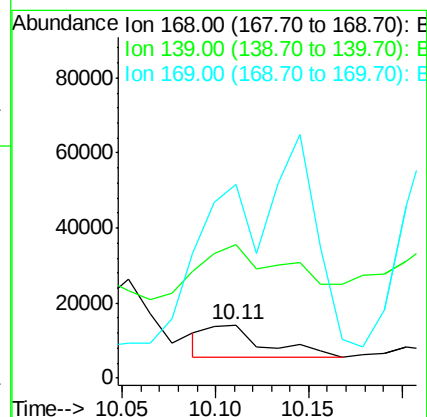
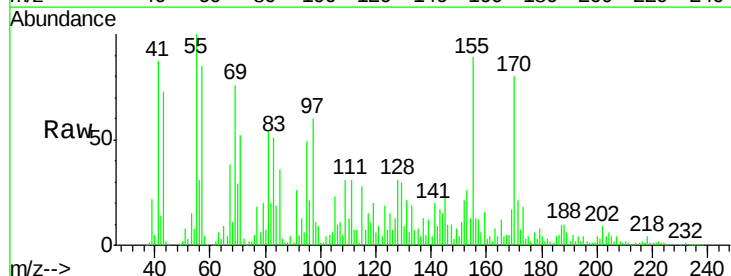
Instrument :
BNA_F
ClientSampleId :
HY-SB438

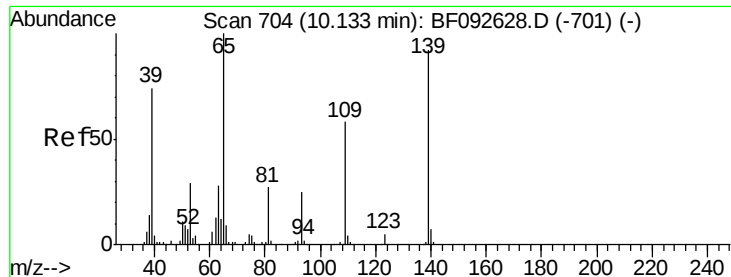
Tgt Ion:184 Resp: 4562
Ion Ratio Lower Upper
184 100
63 966.3 28.4 42.6#
154 1228.8 44.3 66.5#



#54
Dibenzofuran
Concen: 3.79 ng
RT: 10.11 min Scan# 702
Delta R.T. 0.01 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

Tgt Ion:168 Resp: 18423
Ion Ratio Lower Upper
168 100
139 252.5 32.6 49.0#
169 366.7 11.3 16.9#

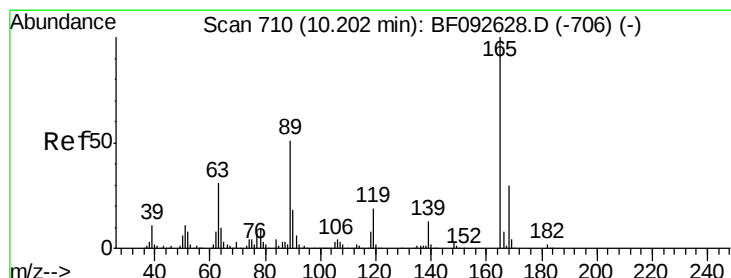
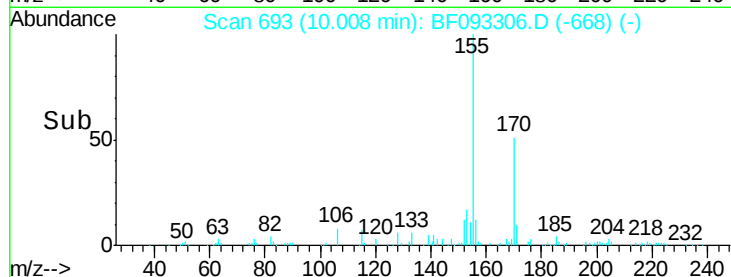
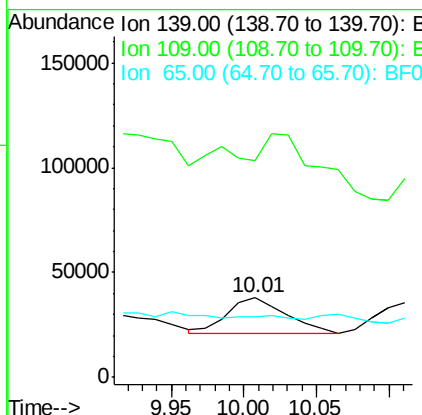
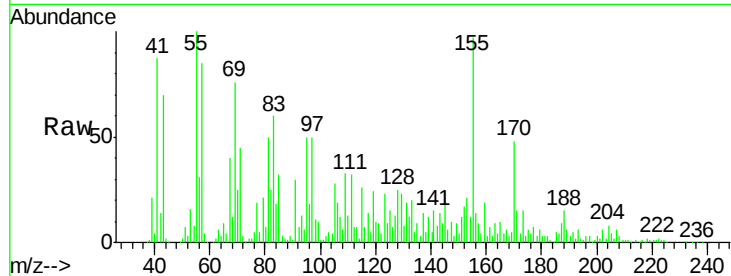




#55
4-Nitrophenol
Concen: 64.62 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

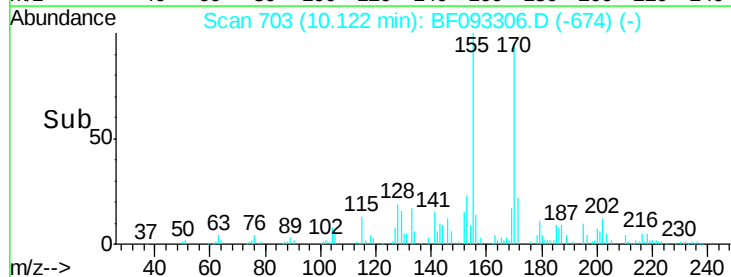
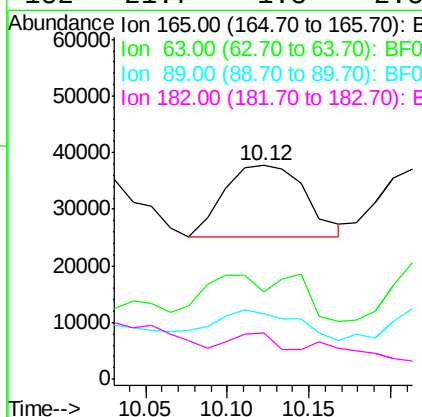
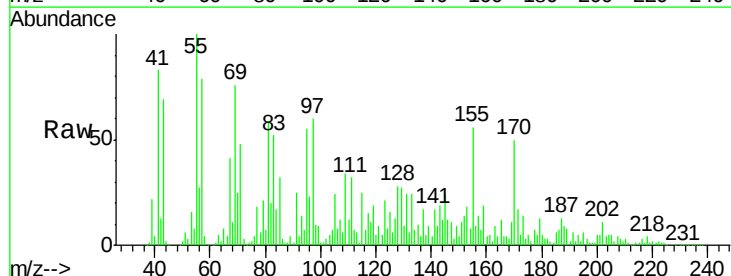
Instrument :
BNA_F
ClientSampleId :
HY-SB438

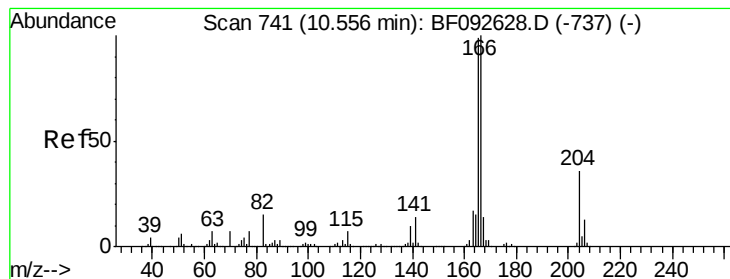
Tgt Ion:139 Resp: 48158
Ion Ratio Lower Upper
139 100
109 271.5 52.2 92.2#
65 76.3 85.8 125.8#



#56
2,4-Dinitrotoluene
Concen: 36.43 ng
RT: 10.12 min Scan# 703
Delta R.T. 0.03 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

Tgt Ion:165 Resp: 43855
Ion Ratio Lower Upper
165 100
63 40.6 40.2 60.4
89 30.7 62.5 93.7#
182 21.7 1.8 2.8#





#57

Fluorene

Concen: 26.42 ng

RT: 10.44 min Scan# 731

Delta R.T. 0.00 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

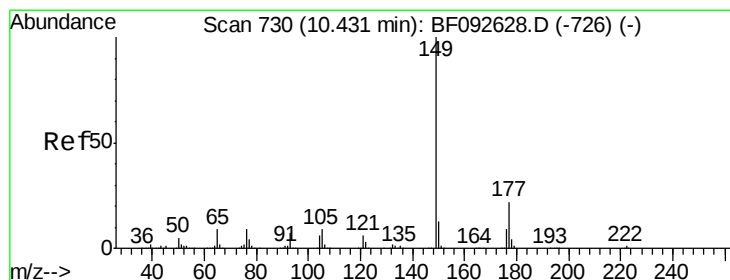
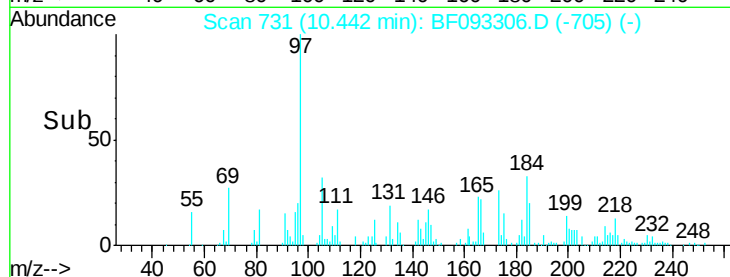
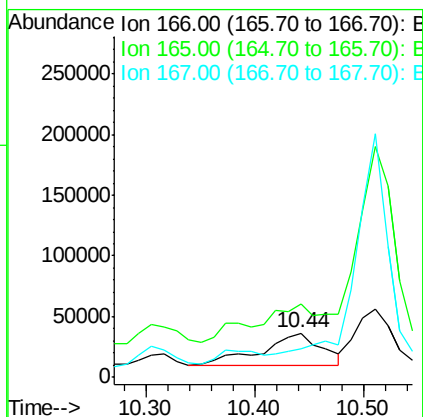
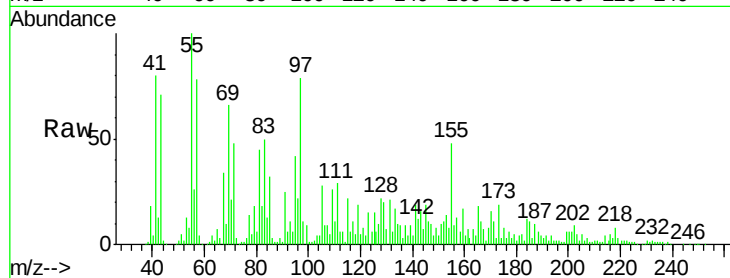
Tgt Ion:166 Resp: 98862

Ion Ratio Lower Upper

166 100

165 166.1 77.8 116.8#

167 63.4 10.8 16.2#



#59

Diethylphthalate

Concen: 5.51 ng

RT: 10.34 min Scan# 722

Delta R.T. 0.02 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

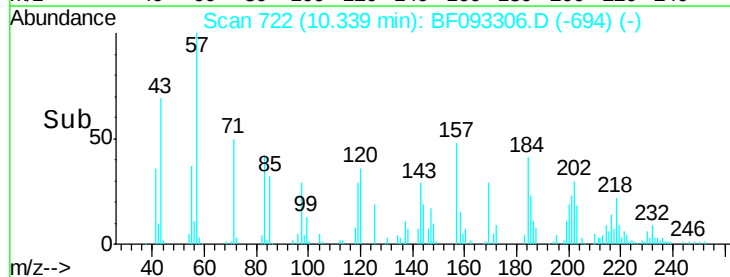
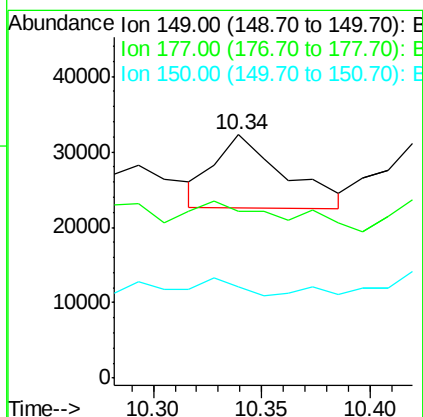
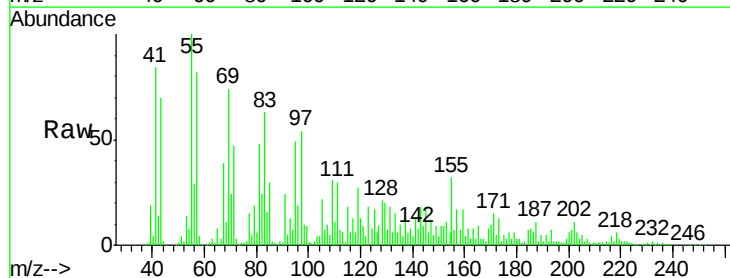
Tgt Ion:149 Resp: 21737

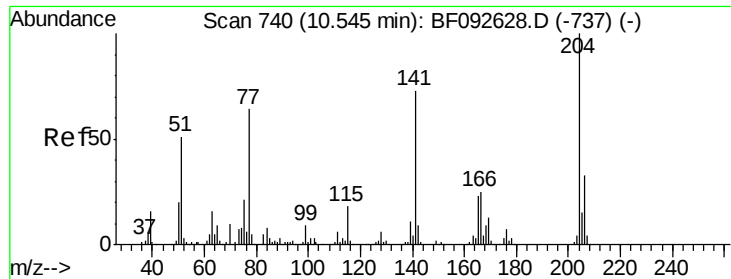
Ion Ratio Lower Upper

149 100

177 68.6 16.6 25.0#

150 37.7 10.4 15.6#

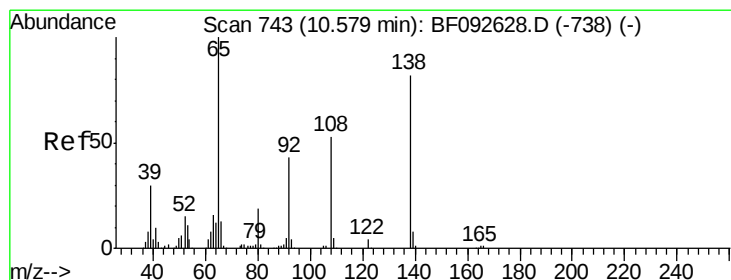
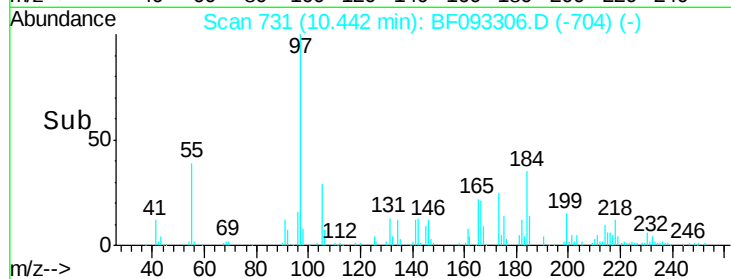
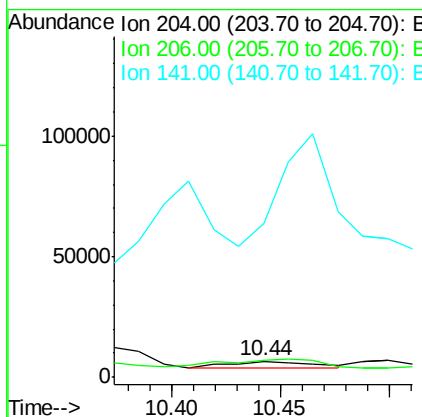
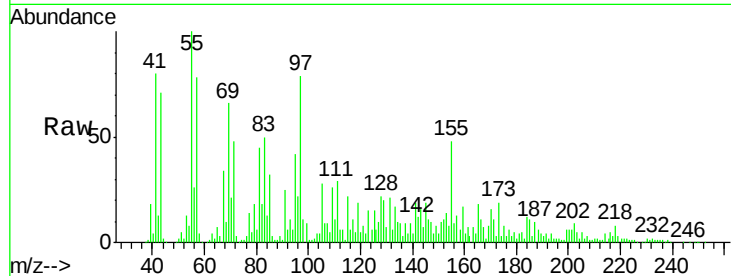




#60
 4-Chlorophenyl-phenylether
 Concen: 3.69 ng
 RT: 10.44 min Scan# 731
 Delta R.T. 0.01 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

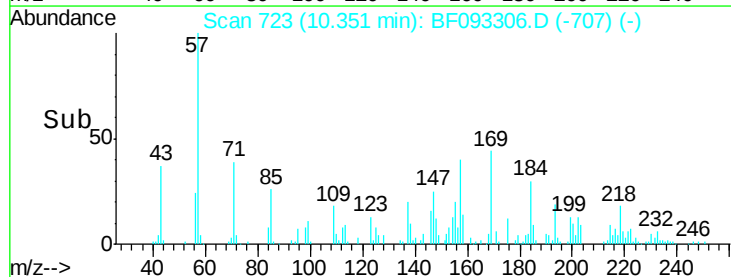
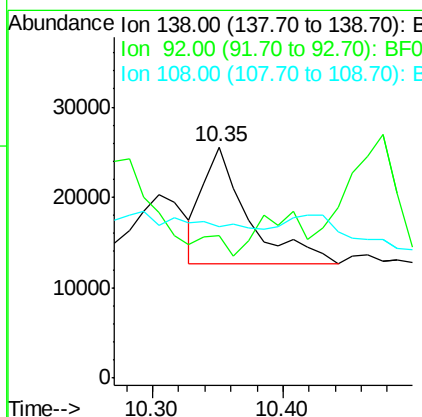
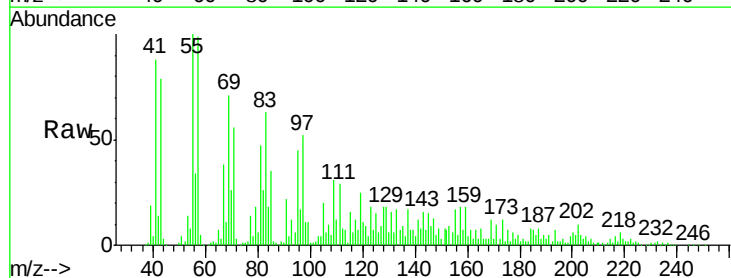
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB438

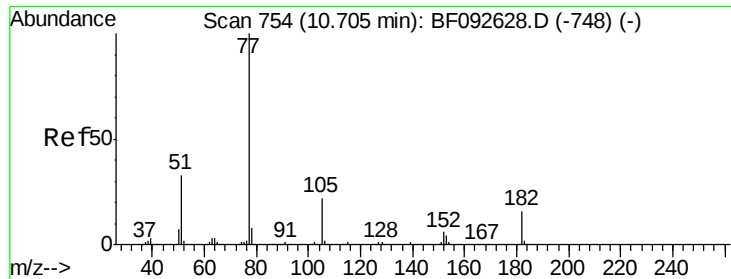
Tgt Ion:204 Resp: 6636
 Ion Ratio Lower Upper
 204 100
 206 108.0 25.8 38.6#
 141 981.3 59.4 89.0#



#61
 4-Nitroaniline
 Concen: 29.18 ng
 RT: 10.35 min Scan# 723
 Delta R.T. -0.11 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:138 Resp: 30926
 Ion Ratio Lower Upper
 138 100
 92 61.7 31.7 71.7
 108 65.7 52.6 92.6





#62

Azobenzene

Concen: 21.55 ng

RT: 10.61 min Scan# 746

Delta R.T. 0.02 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

Tgt Ion: 77 Resp: 87842

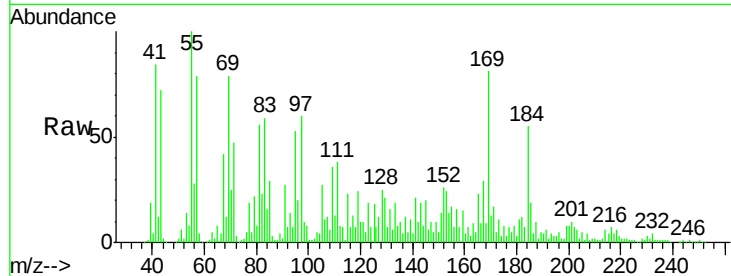
Ion Ratio Lower Upper

77 100

182 62.7 0.0 39.3#

105 145.5 2.3 42.3#

51 30.2 8.9 48.9

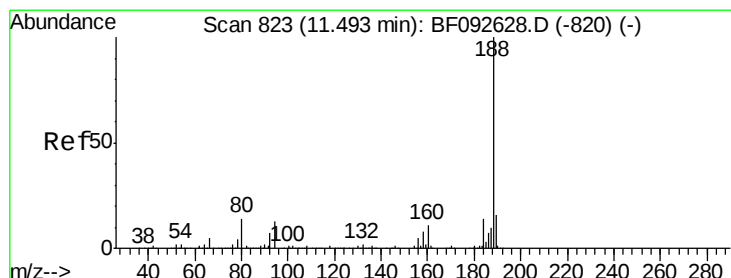
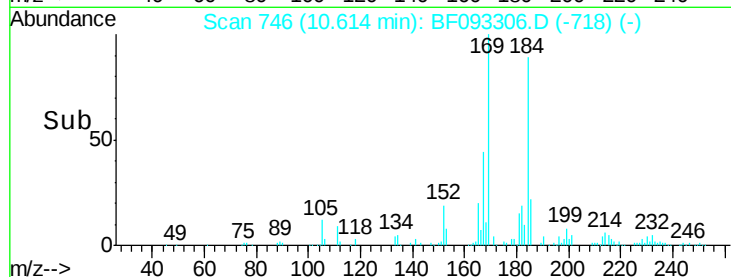
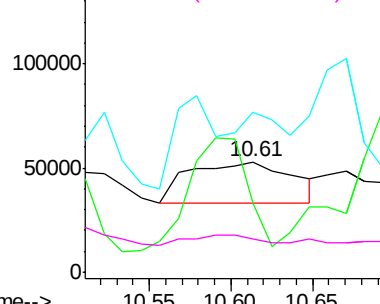


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.38 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

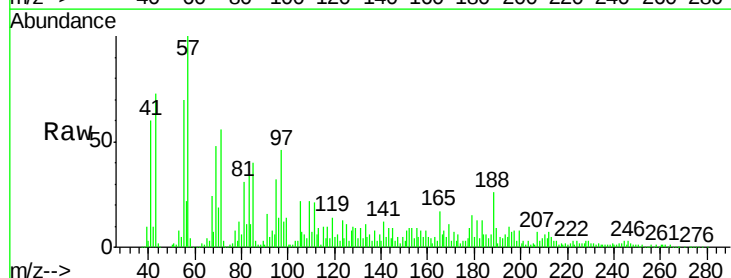
Tgt Ion: 188 Resp: 133921

Ion Ratio Lower Upper

188 100

94 23.7 10.0 15.0#

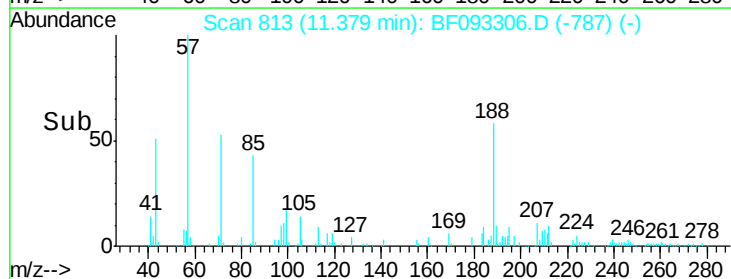
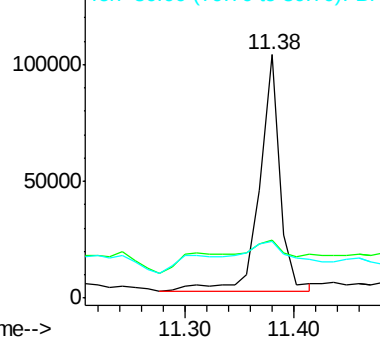
80 23.4 11.2 16.8#

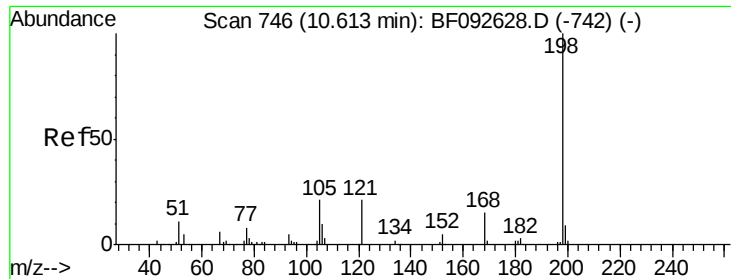


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

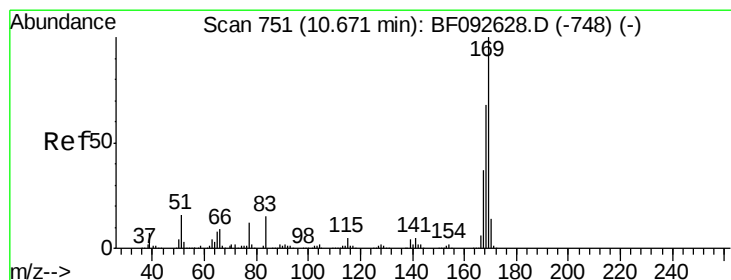
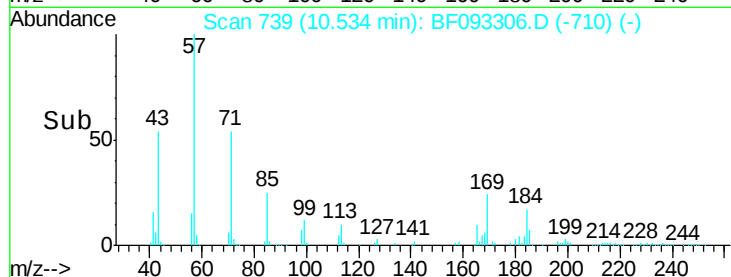
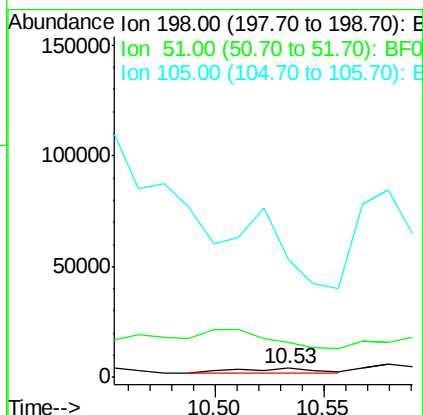
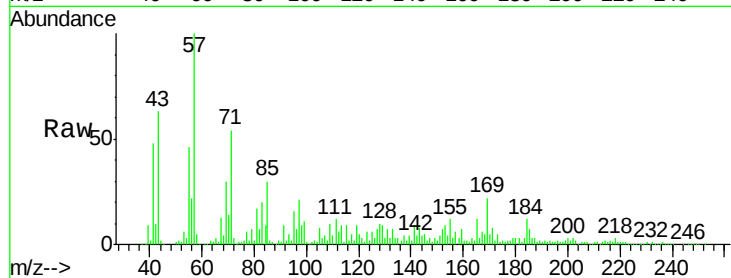




#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.68 ng
 RT: 10.53 min Scan# 739
 Delta R.T. 0.03 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

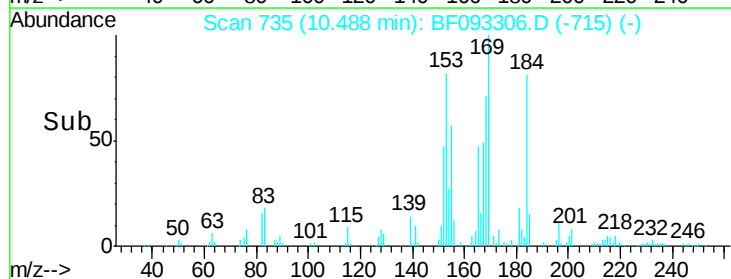
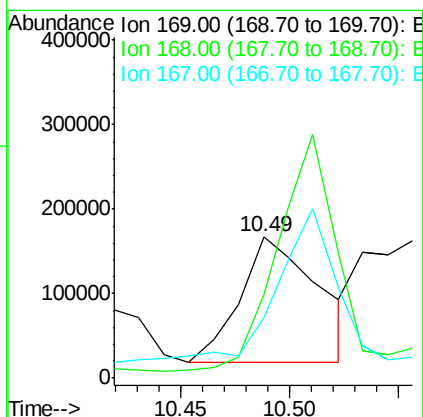
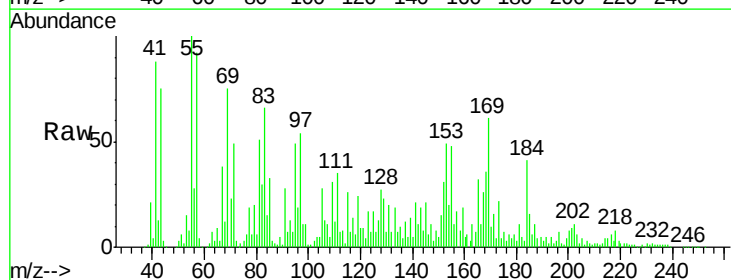
Instrument :
 BNA_F
 ClientSampled :
 HY-SB438

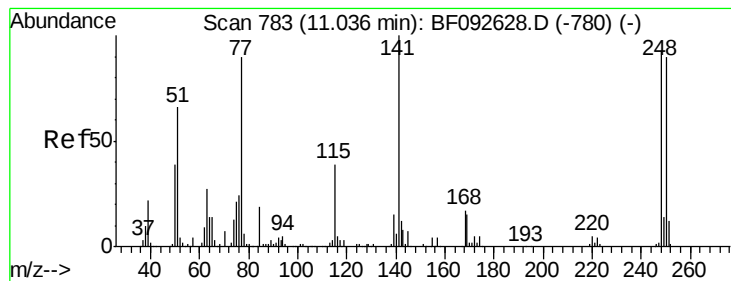
Tgt Ion:198 Resp: 6052
 Ion Ratio Lower Upper
 198 100
 51 378.9 6.7 46.7#
 105 1283.0 16.6 56.6#



#65
 n-Nitrosodiphenylamine
 Concen: 86.61 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.07 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:169 Resp: 370537
 Ion Ratio Lower Upper
 169 100
 168 59.6 54.2 81.2
 167 42.9 30.2 45.4





#66

4-Bromophenyl-phenylether

Concen: 4.98 ng

RT: 10.91 min Scan# 772

Delta R.T. -0.01 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

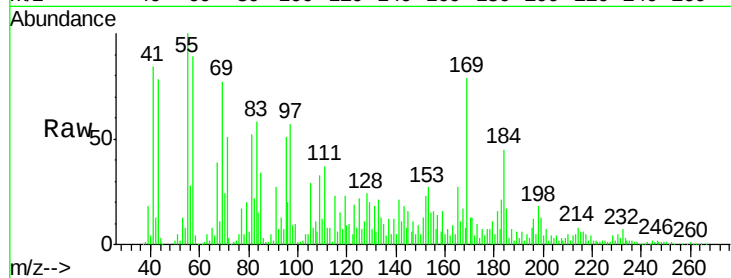
Tgt Ion:248 Resp: 6965

Ion Ratio Lower Upper

248 100

250 106.2 76.9 115.3

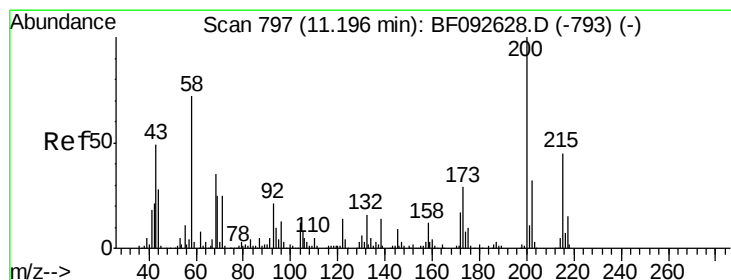
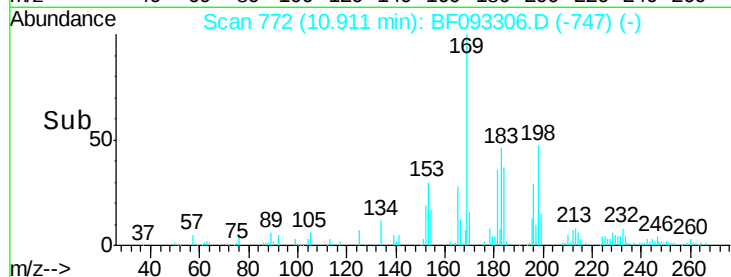
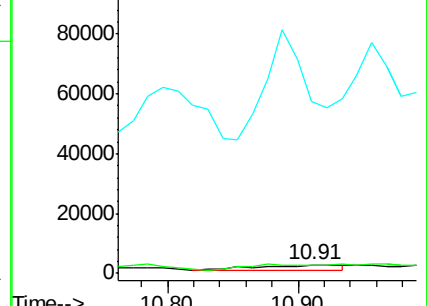
141 2096.0 68.2 102.4#



Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Atrazine

Concen: 37.36 ng

RT: 11.11 min Scan# 789

Delta R.T. 0.02 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

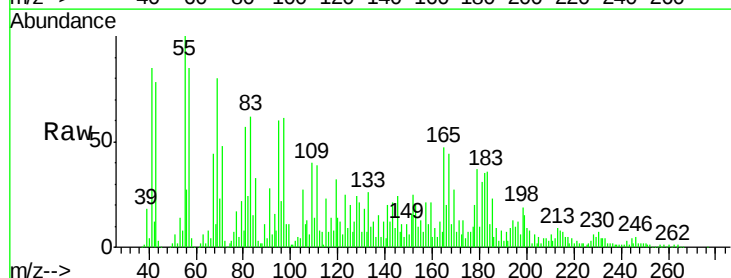
Tgt Ion:200 Resp: 51295

Ion Ratio Lower Upper

200 100

173 142.3 9.6 49.6#

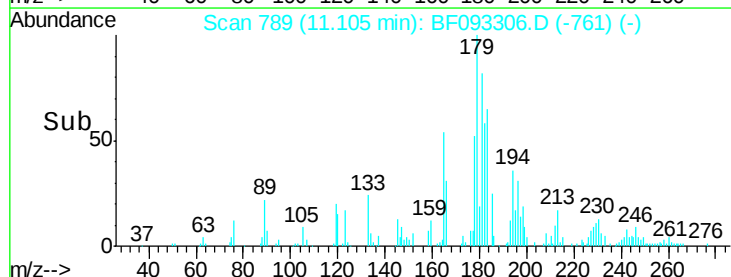
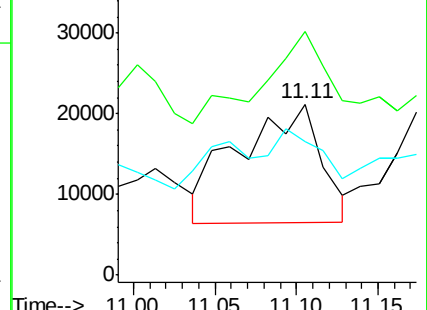
215 77.9 25.7 65.7#

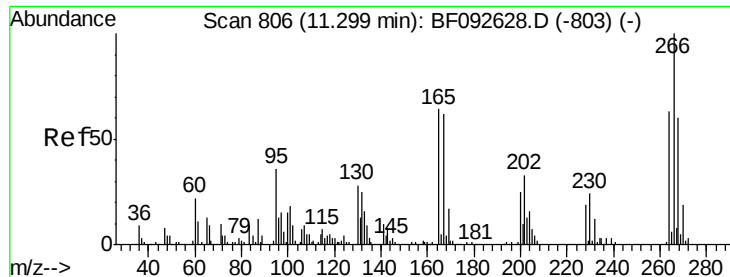


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E

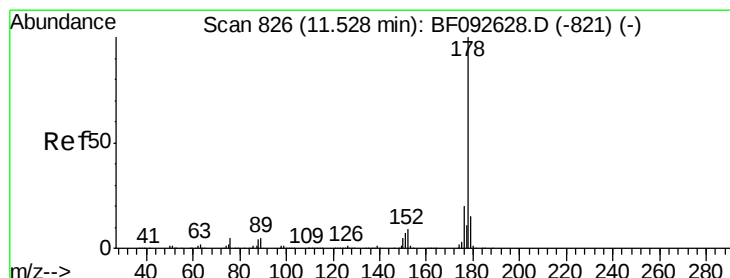
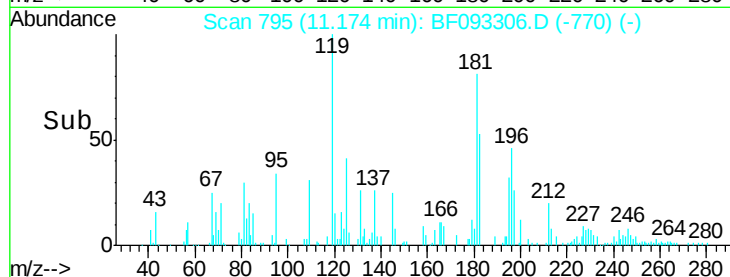
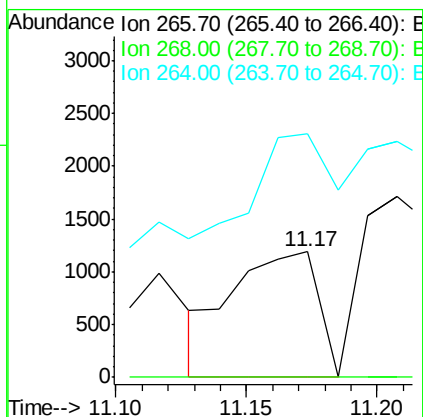
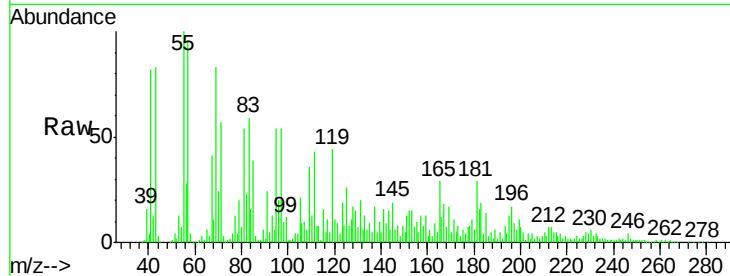




#69
 Pentachlorophenol
 Concen: 10.68 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

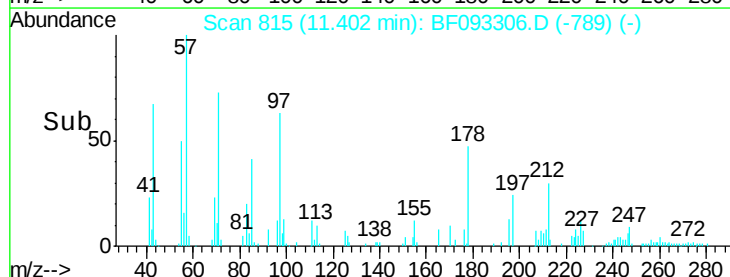
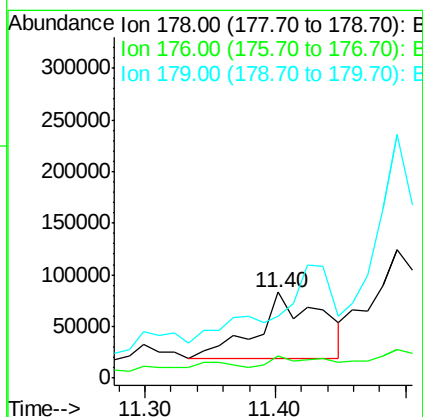
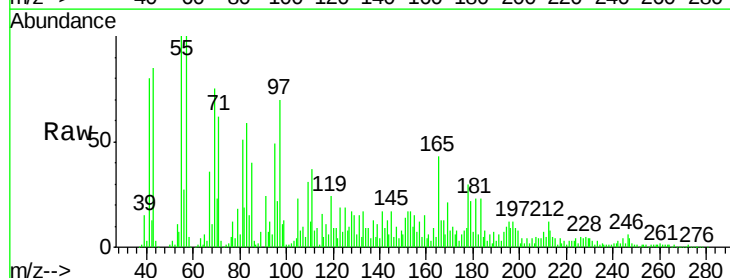
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB438

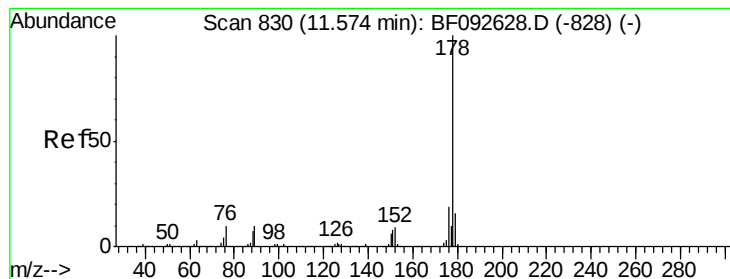
Tgt Ion:266 Resp: 2729
 Ion Ratio Lower Upper
 266 100
 268 0.0 53.3 79.9#
 264 193.5 50.3 75.5#



#70
 Phenanthrene
 Concen: 28.06 ng
 RT: 11.40 min Scan# 815
 Delta R.T. 0.00 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:178 Resp: 215325
 Ion Ratio Lower Upper
 178 100
 176 26.1 16.6 25.0#
 179 72.4 12.8 19.2#





#71

Anthracene

Concen: 22.88 ng

RT: 11.49 min Scan# 823

Delta R.T. 0.03 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

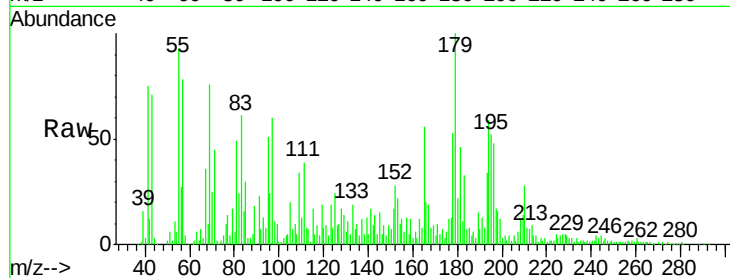
Tgt Ion:178 Resp: 176300

Ion Ratio Lower Upper

178 100

176 22.2 15.9 23.9

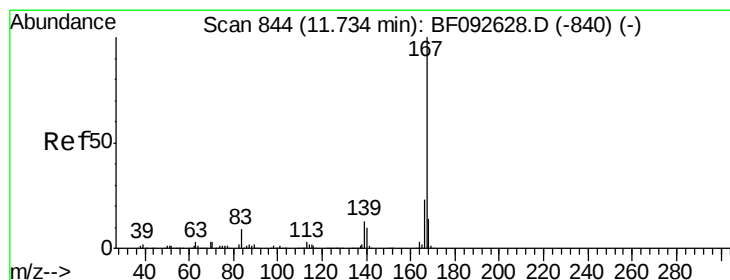
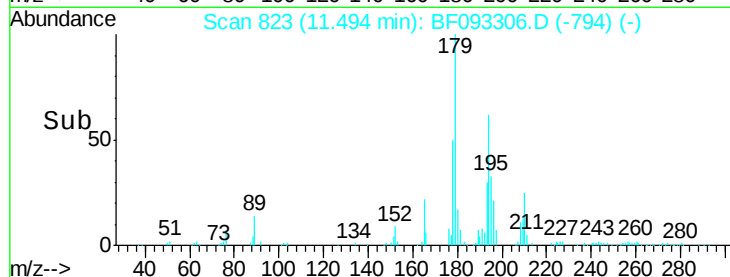
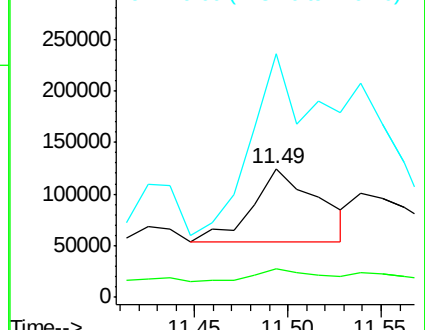
179 189.2 13.2 19.8#



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: 3.32 ng

RT: 11.64 min Scan# 836

Delta R.T. 0.03 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

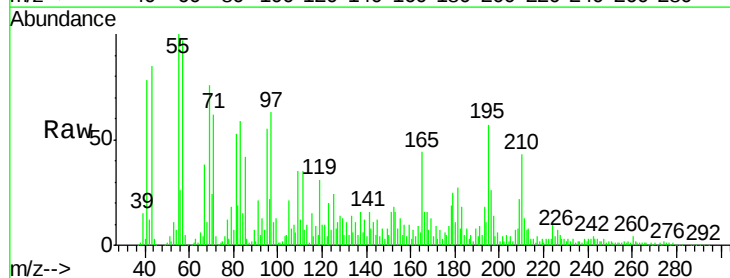
Tgt Ion:167 Resp: 24457

Ion Ratio Lower Upper

167 100

166 102.2 18.2 27.2#

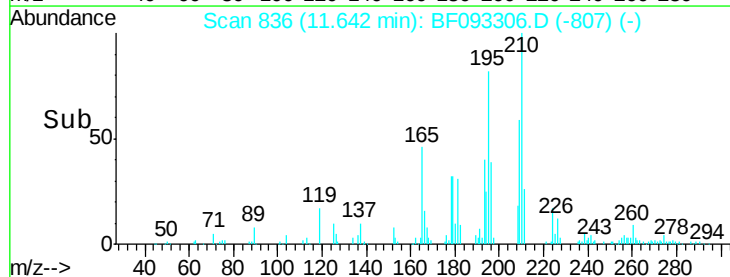
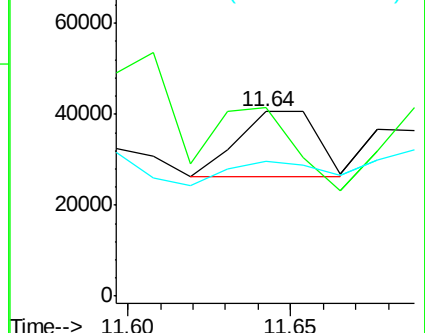
139 73.2 11.4 17.2#

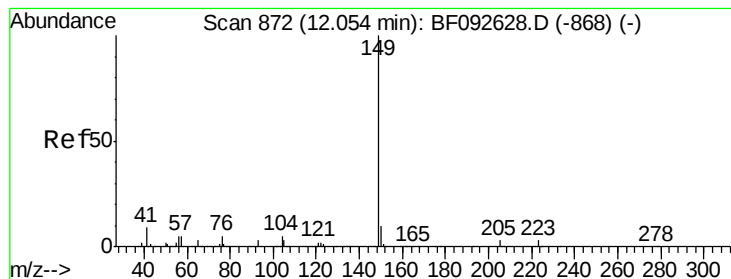


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 4.17 ng

RT: 11.92 min Scan# 860

Delta R.T. -0.02 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

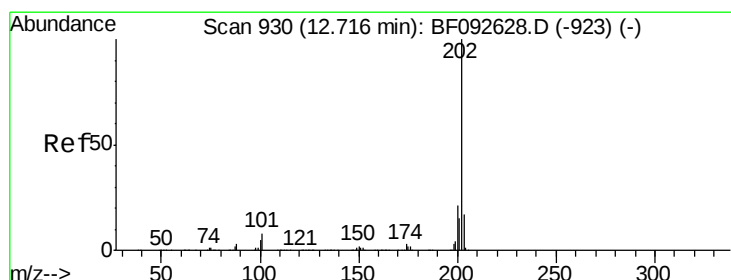
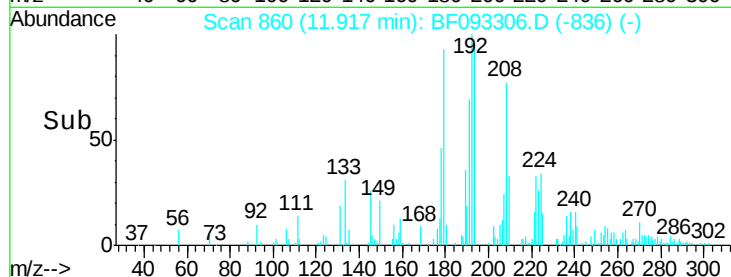
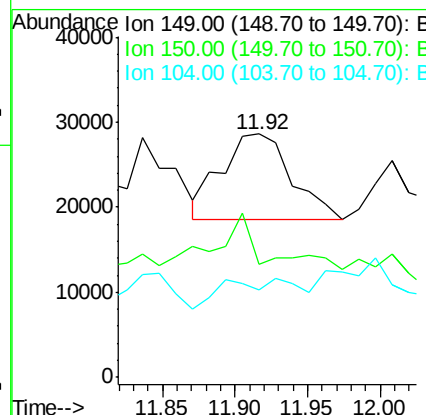
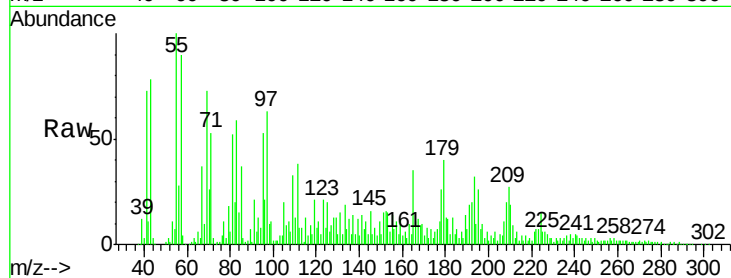
Tgt Ion:149 Resp: 33181

Ion Ratio Lower Upper

149 100

150 46.4 8.1 12.1#

104 35.7 4.6 7.0#



#74

Fluoranthene

Concen: 17.79 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.01 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

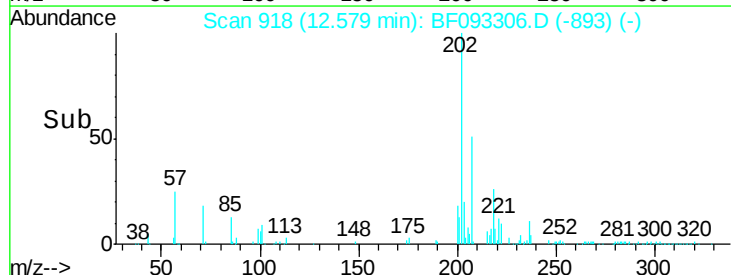
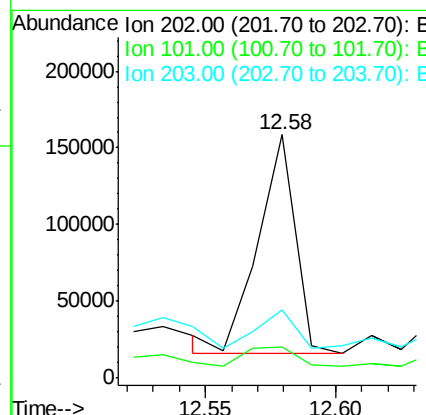
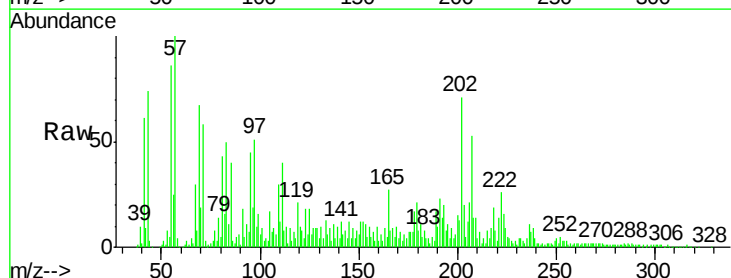
Tgt Ion:202 Resp: 140778

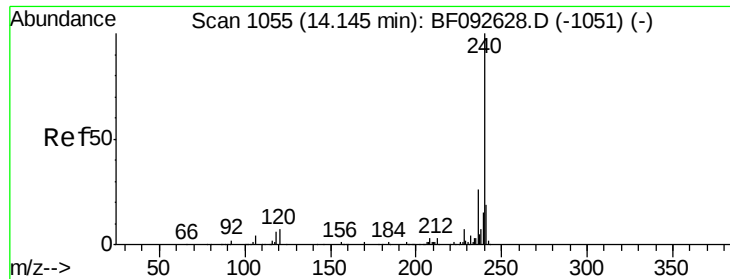
Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.6

203 28.0 0.0 38.7





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

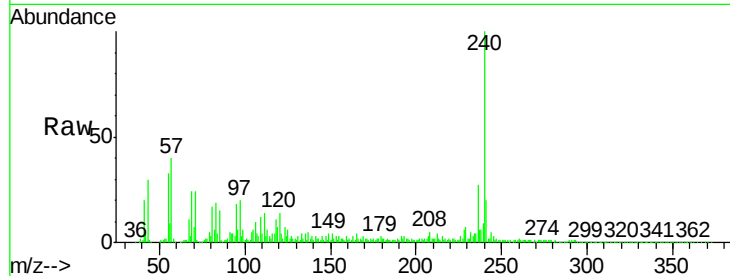
Tgt Ion:240 Resp: 279883

Ion Ratio Lower Upper

240 100

120 13.8 12.9 19.3

236 26.6 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

13.99

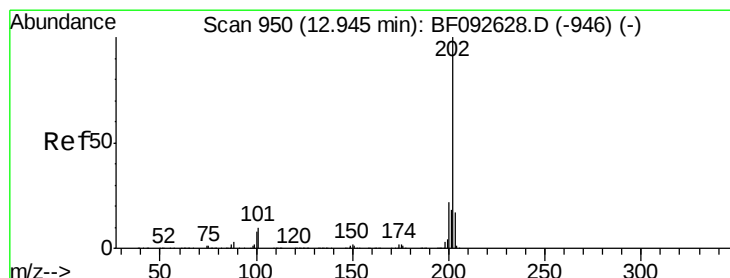
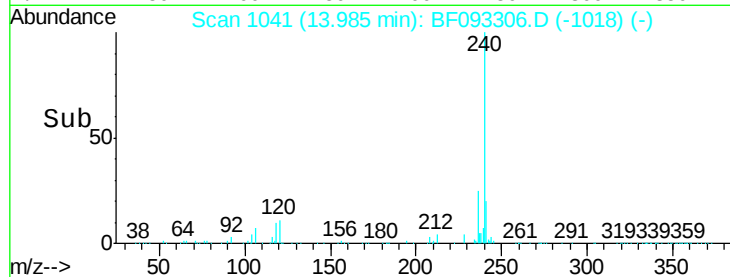
300000

200000

100000

0

Time--> 13.80 13.90 14.00 14.10



#77

Pyrene

Concen: 23.41 ng

RT: 12.81 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

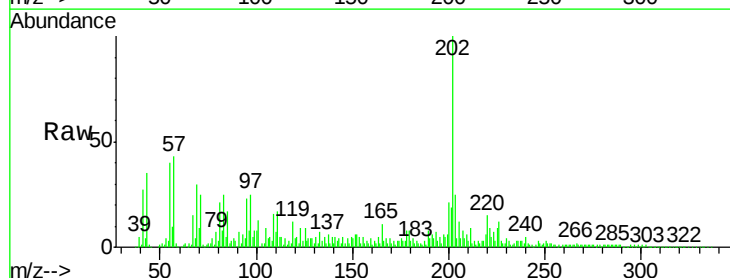
Tgt Ion:202 Resp: 490256

Ion Ratio Lower Upper

202 100

200 21.4 17.7 26.5

203 24.5 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

12.81

500000

400000

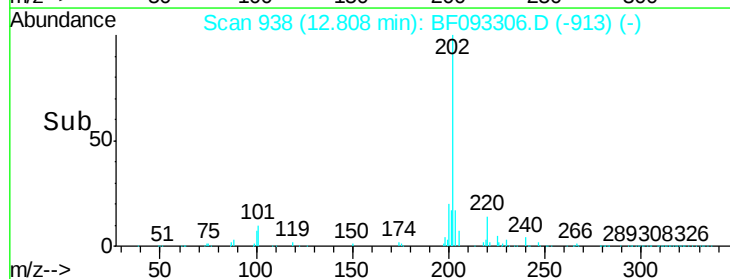
300000

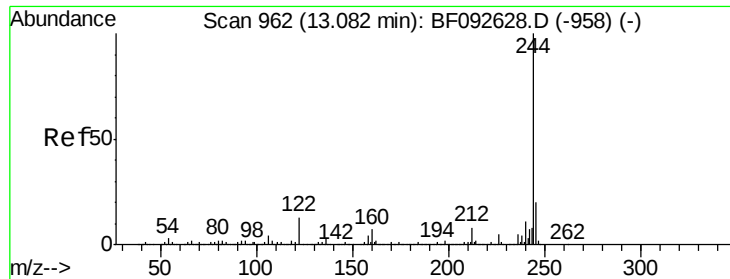
200000

100000

0

Time--> 12.75 12.80 12.85

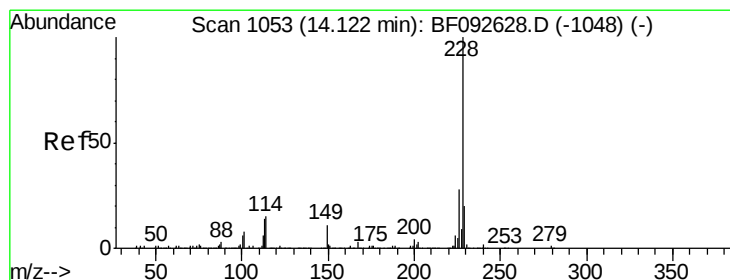
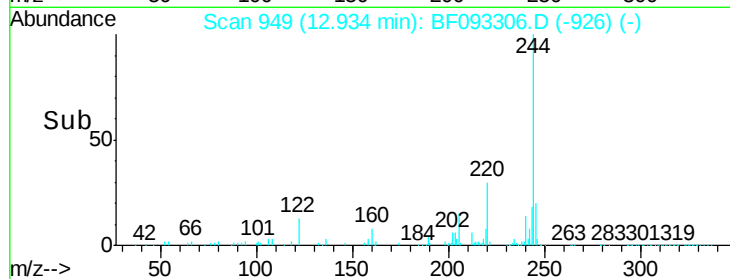
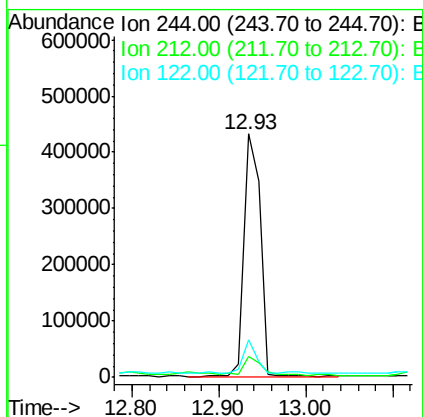
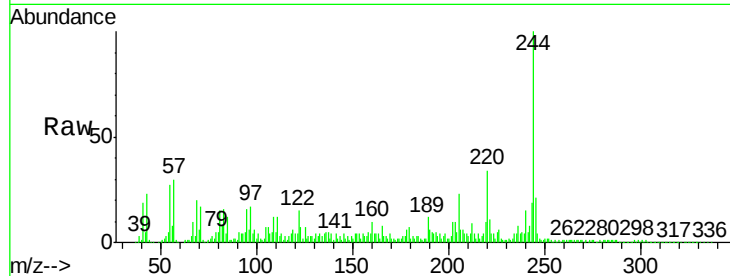




#78
 Terphenyl-d14
 Concen: 46.64 ng
 RT: 12.93 min Scan# 949
 Delta R.T. -0.03 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

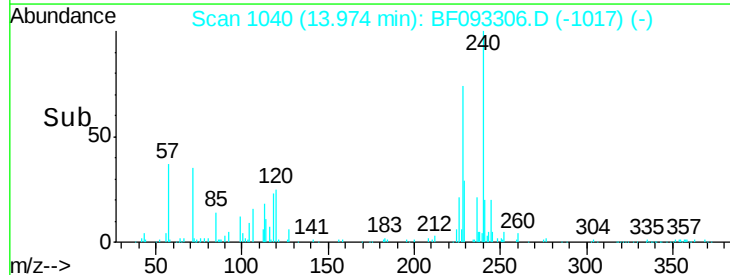
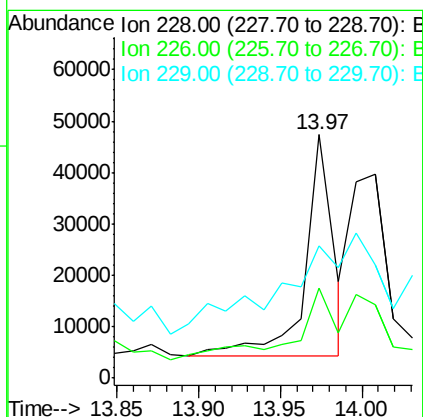
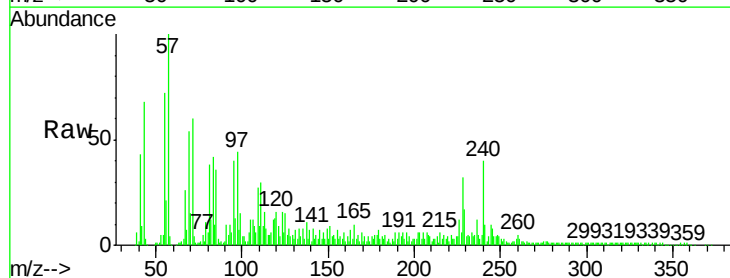
Instrument :
 BNA_F
 ClientSampleId :
 HY-SB438

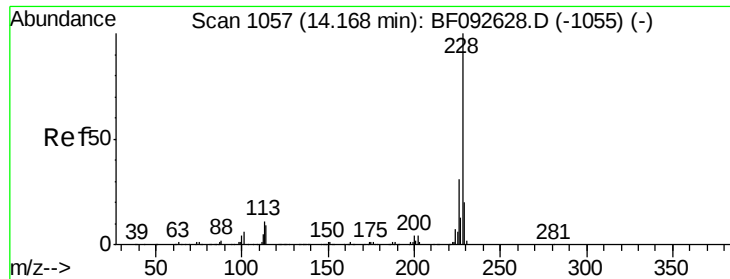
Tgt Ion:244 Resp: 555514
 Ion Ratio Lower Upper
 244 100
 212 8.6 6.2 9.2
 122 15.4 11.4 17.2



#80
 Benzo(a)anthracene
 Concen: 3.08 ng
 RT: 13.97 min Scan# 1040
 Delta R.T. -0.03 min
 Lab File: BF093306.D
 Acq: 1 Mar 2017 23:04

Tgt Ion:228 Resp: 52707
 Ion Ratio Lower Upper
 228 100
 226 37.2 22.4 33.6#
 229 54.3 16.2 24.4#





#82

Chrysene

Concen: 3.29 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.07 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

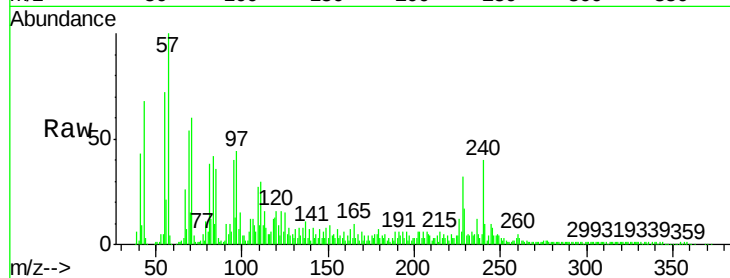
Tgt Ion:228 Resp: 52707

Ion Ratio Lower Upper

228 100

226 37.2 25.4 38.0

229 54.3 16.2 24.2#

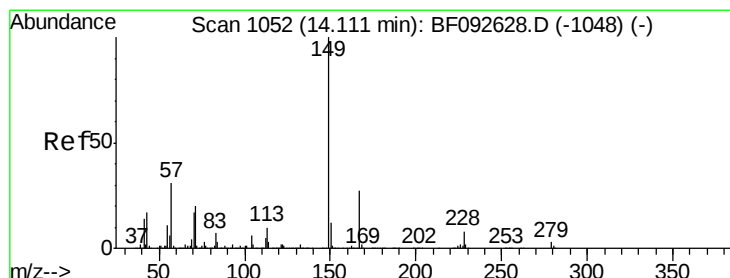
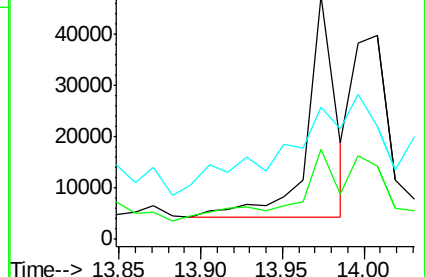
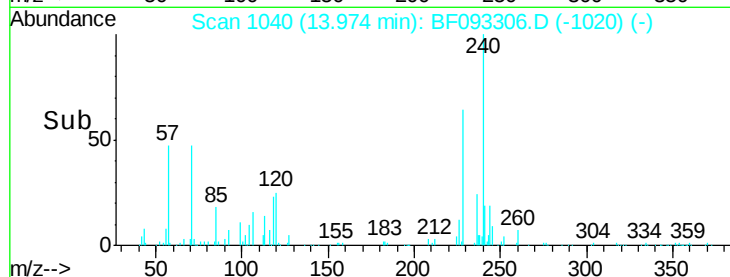


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time--> 13.85 13.90 13.95 14.00



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.73 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.05 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

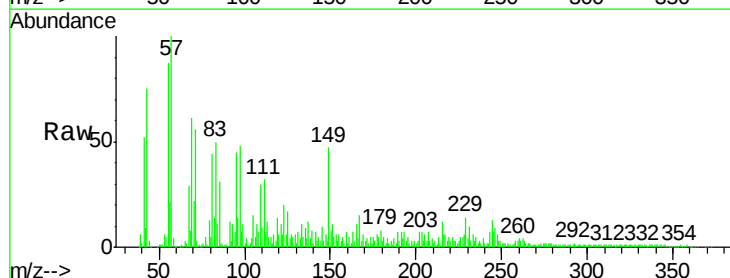
Tgt Ion:149 Resp: 43443

Ion Ratio Lower Upper

149 100

167 32.0 20.2 30.4#

279 4.8 1.8 2.8#

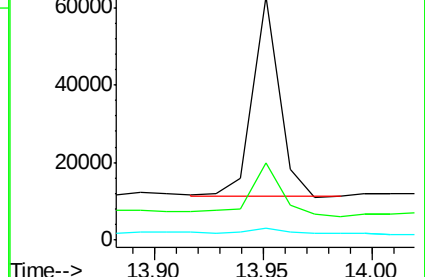
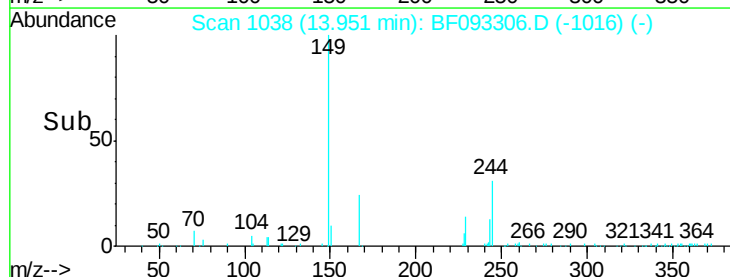


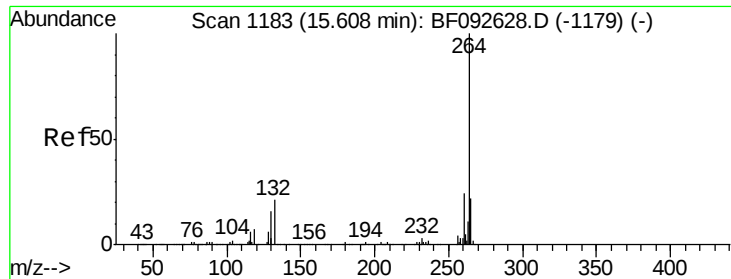
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time--> 13.90 13.95 14.00

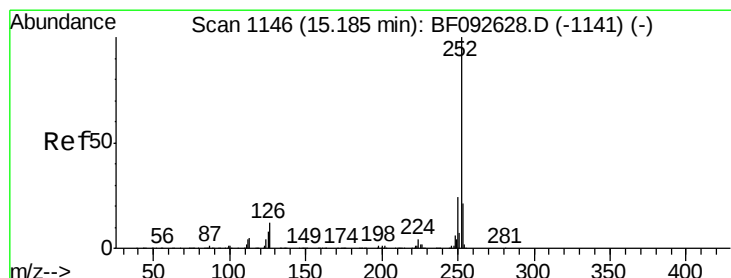
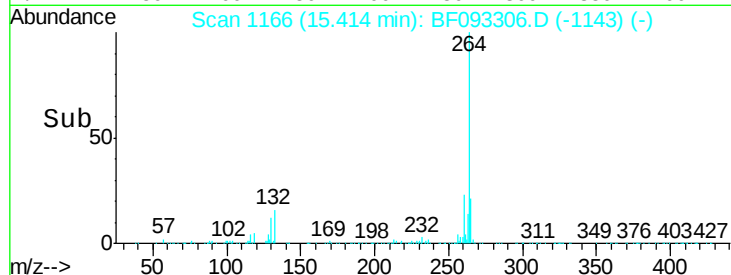
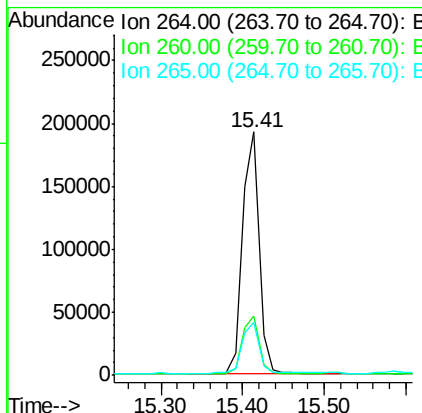
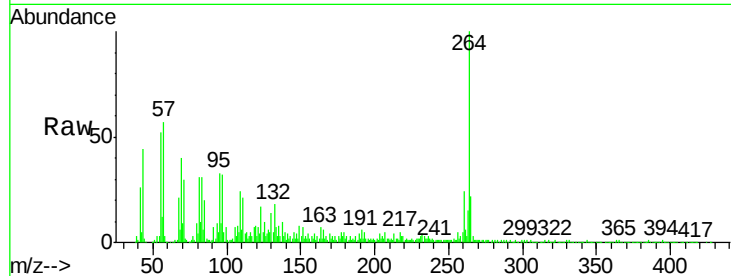




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. -0.03 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

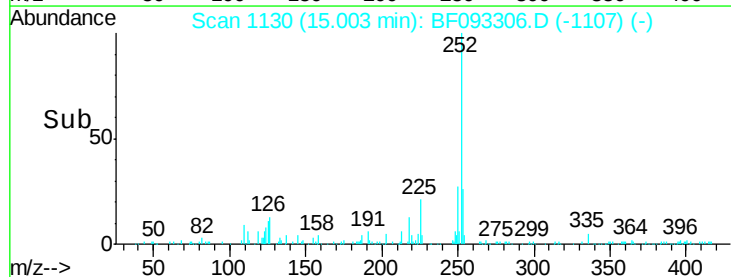
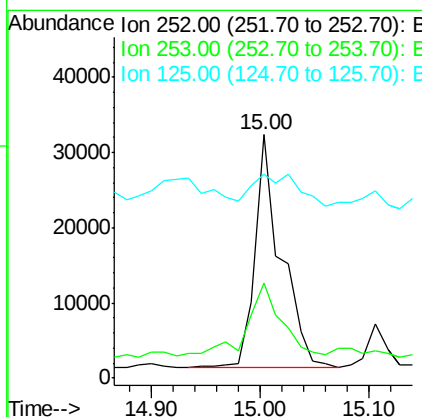
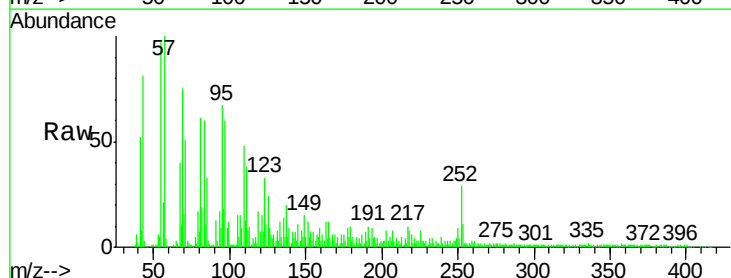
Instrument :
BNA_F
ClientSampleId :
HY-SB438

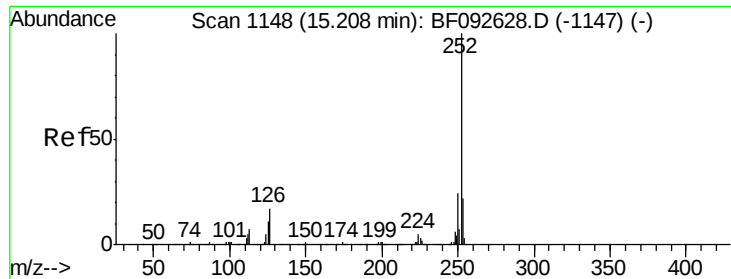
Tgt Ion:264 Resp: 272933
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.7 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.87 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093306.D
Acq: 1 Mar 2017 23:04

Tgt Ion:252 Resp: 51636
Ion Ratio Lower Upper
252 100
253 39.2 18.2 27.4#
125 83.6 9.8 14.6#





#88

Benzo(k)fluoranthene

Concen: 3.33 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.07 min

Lab File: BF093306.D

Acq: 1 Mar 2017 23:04

Instrument :

BNA_F

ClientSampleId :

HY-SB438

Tgt Ion:252 Resp: 51636

Ion Ratio Lower Upper

252 100

253 39.2 18.5 27.7#

125 83.6 8.9 13.3#

