

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
 Data File : BF088686.D
 Acq On : 4 Jul 2016 10:40
 Operator : UM/SJ
 Sample : H3869-04
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(13-15)

Quant Time: Jul 05 00:49:32 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 30 18:01:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	91455	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	219689	20.00	ng	-0.01
38) Acenaphthene-d10	9.82	164	5608	20.00	ng	-0.03
63) Phenanthrene-d10	11.36	188	111504	20.00	ng	0.03
75) Chrysene-d12	13.93	240	191314	20.00	ng	-0.02
86) Perylene-d12	15.31	264	160036	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	643260	105.41	ng	-0.02
7) Phenol-d6	6.42	99	801620	101.66	ng	-0.02
23) Nitrobenzene-d5	7.36	82	541753	129.23	ng	-0.02
41) 2,4,6-Tribromophenol	10.67	330	95513	1834.10	ng	0.03
44) 2-Fluorobiphenyl	9.19	172	352914	994.03	ng	0.01
78) Terphenyl-d14	12.91	244	479856	55.87	ng	0.00

Target Compounds

						Qvalue
15) Benzyl Alcohol	6.95	79	31196	5.38	ng	# 46
18) Hexachloroethane	7.37	117	161794	58.39	ng	# 5
19) n-Nitroso-di-n-propylamine	7.23	70	78761	14.87	ng	# 60
22) Acetophenone	7.12	105	103155	19.35	ng	# 15
24) Nitrobenzene	7.45	77	49900	11.81	ng	# 57
25) Isophorone	7.61	82	171014	22.02	ng	# 1
26) 2-Nitrophenol	7.66	139	12927	7.46	ng	# 1
27) 2,4-Dimethylphenol	7.75	122	43376	12.02	ng	# 1
28) bis(2-Chloroethoxy)methane	7.88	93	49508	9.80	ng	# 1
29) 2,4-Dichlorophenol	7.94	162	20114	6.89	ng	# 1
30) 1,2,4-Trichlorobenzene	8.01	180	24042	7.51	ng	# 51
31) Naphthalene	8.09	128	69727	6.44	ng	# 1
32) Benzoic acid	7.88	122	26337	10.05	ng	# 26
33) 4-Chloroaniline	8.15	127	40651	8.44	ng	# 1
35) Caprolactam	8.56	113	243312	245.55	ng	# 14
36) 4-Chloro-3-methylphenol	8.65	107	51841	15.03	ng	# 28
37) 2-Methylnaphthalene	8.82	142	33676	4.83	ng	# 1
42) 2,4,6-Trichlorophenol	9.12	196	16811	136.70	ng	# 11
43) 2,4,5-Trichlorophenol	9.12	196	16811	158.88	ng	# 1
45) 1,1'-Biphenyl	9.29	154	19388	41.75	ng	# 1
46) 2-Chloronaphthalene	9.30	162	9948	27.29	ng	# 1
47) 2-Nitroaniline	9.34	65	18942	146.41	ng	# 50
48) Acenaphthylene	9.67	152	83128	143.31	ng	# 1
49) Dimethylphthalate	9.58	163	66059	165.34	ng	# 38
50) 2,6-Dinitrotoluene	9.55	165	90336	1020.18	ng	# 70
51) Acenaphthene	9.85	154	6995	19.67	ng	# 1
52) 3-Nitroaniline	9.76	138	22635	201.09	ng	# 57
53) 2,4-Dinitrophenol	9.82	184	1844	47.16	ng	# 1
54) Dibenzofuran	10.04	168	64990	139.65	ng	# 71
55) 4-Nitrophenol	9.91	139	86912	1016.02	ng	# 1
56) 2,4-Dinitrotoluene	9.95	165	17159	148.21	ng	# 73
57) Fluorene	10.31	166	18509	51.61	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	10.07	232	2157	26.35	ng	# 96
59) Diethylphthalate	10.25	149	17142	42.75	ng	# 1

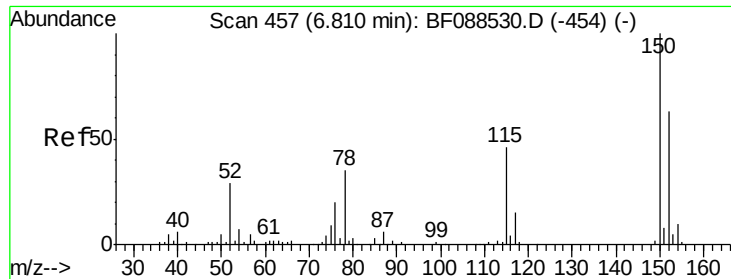
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070316\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
60) 4-Chlorophenyl-phenylether	10.38	204	22202	133.23	ng	# 1
61) 4-Nitroaniline	10.34	138	37834	349.27	ng	82
62) Azobenzene	10.60	77	77052	168.47	ng	# 29
64) 4,6-Dinitro-2-methylphenol	10.50	198	3715	6.23	ng	# 1
65) n-Nitrosodiphenylamine	10.55	169	708536	187.75	ng	# 48
66) 4-Bromophenyl-phenylether	10.92	248	7056	6.28	ng	# 1
68) Atrazine	11.05	200	5797	4.93	ng	# 1
69) Pentachlorophenol	11.21	266	1519	2.06	ng	# 32
70) Phenanthrene	11.38	178	463228	76.00	ng	# 88
71) Anthracene	11.43	178	95588	15.77	ng	# 47
72) Carbazole	11.65	167	20989	3.68	ng	# 1
73) Di-n-butylphthalate	11.90	149	30081	4.53	ng	# 1
74) Fluoranthene	12.78	202	153116	24.78	ng	85
76) Benzidine	12.62	184	21241	2.20	ng	# 1
77) Pyrene	12.73	202	43620	2.69	ng	# 19

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.79 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

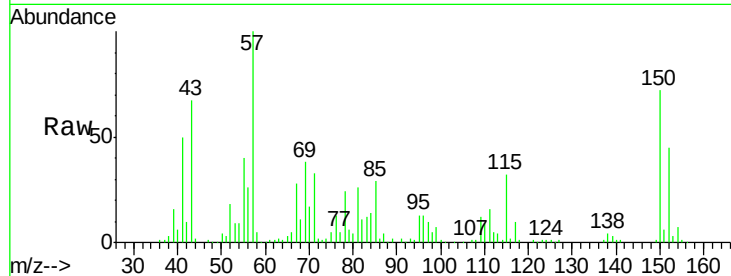
Tgt Ion:152 Resp: 91455

Ion Ratio Lower Upper

152 100

150 159.3 123.8 185.6

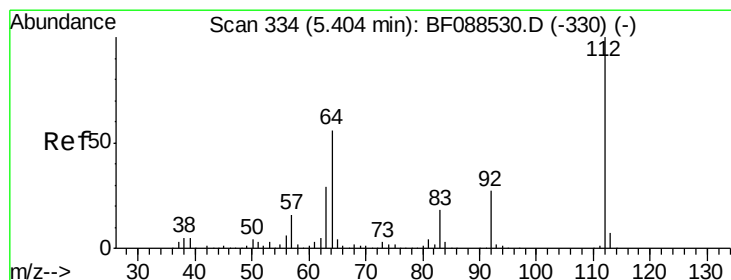
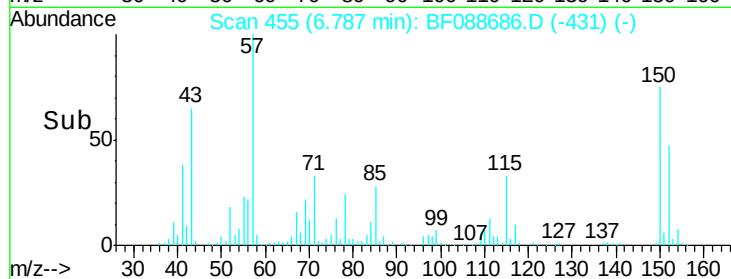
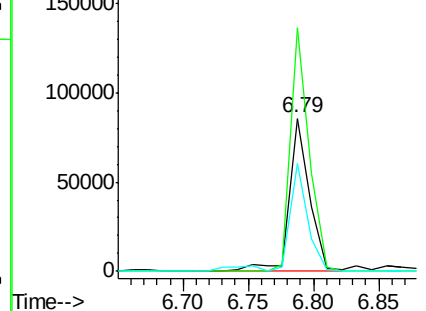
115 70.5 39.6 59.4#



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: 105.41 ng

RT: 5.38 min Scan# 332

Delta R.T. -0.02 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

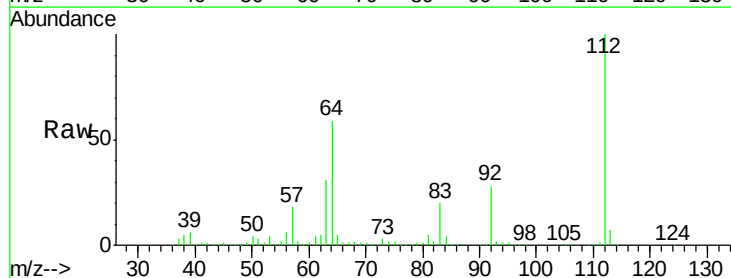
Tgt Ion:112 Resp: 643260

Ion Ratio Lower Upper

112 100

64 59.4 42.2 63.2

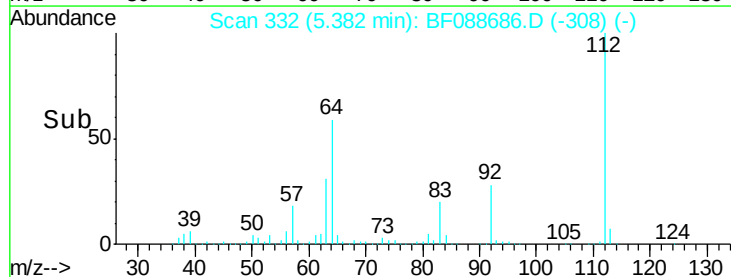
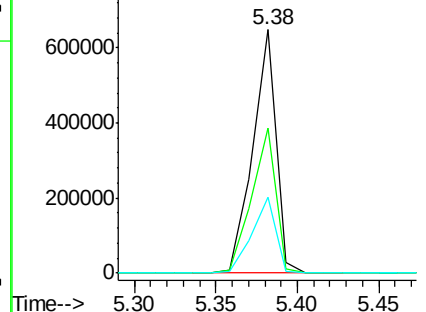
63 31.2 21.8 32.8

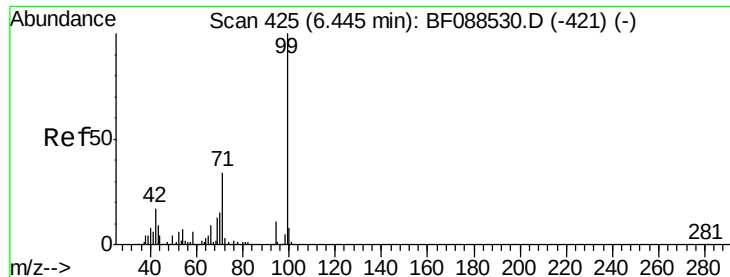


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 101.66 ng

RT: 6.42 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

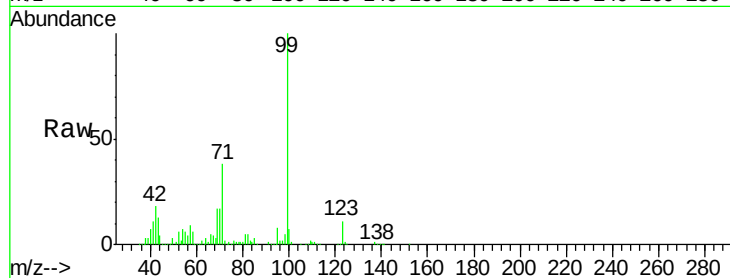
Tgt Ion: 99 Resp: 801620

Ion Ratio Lower Upper

99 100

42 18.4 12.2 18.2#

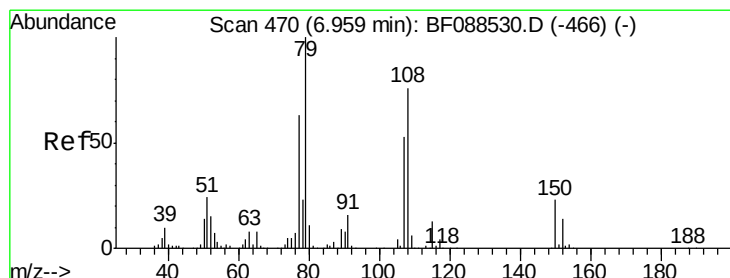
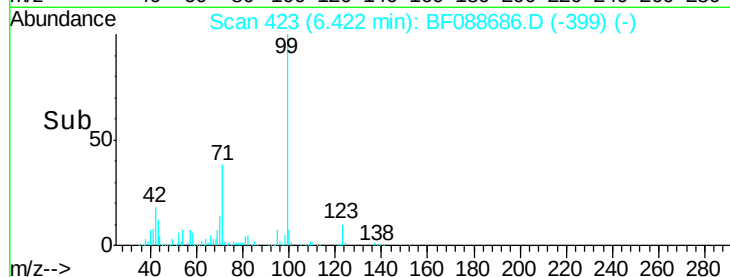
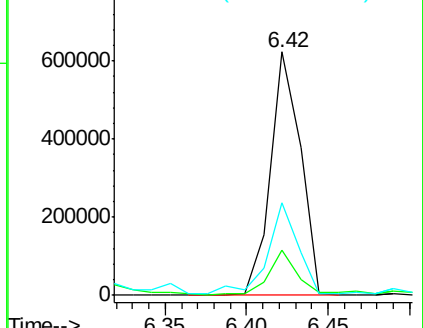
71 38.1 23.4 35.0#



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: 5.38 ng

RT: 6.95 min Scan# 469

Delta R.T. -0.01 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

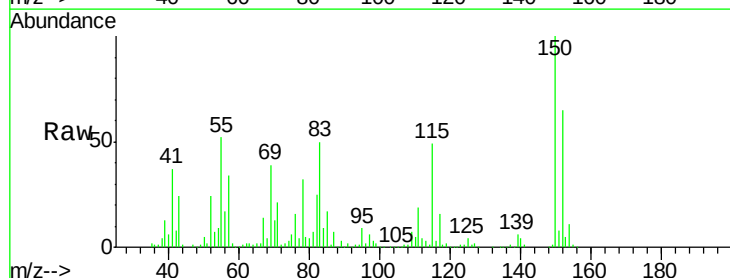
Tgt Ion: 79 Resp: 31196

Ion Ratio Lower Upper

79 100

108 18.6 65.0 97.6#

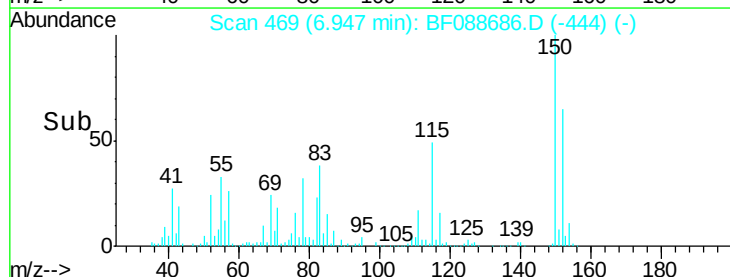
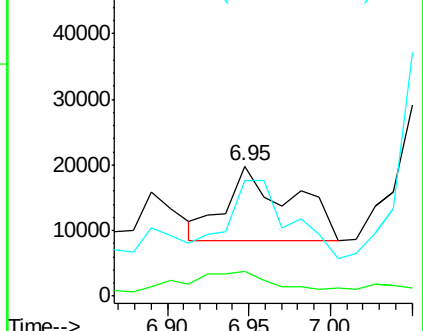
77 88.9 50.3 75.5#

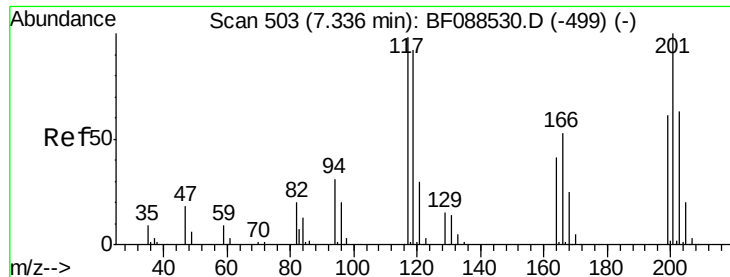


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

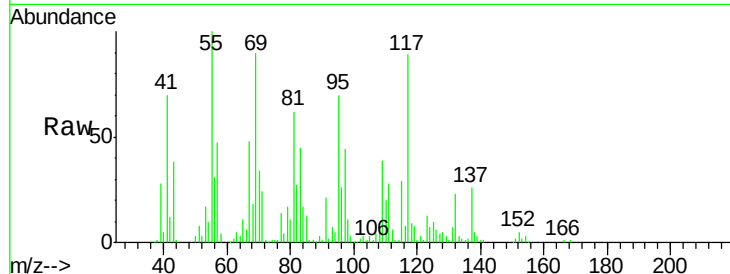




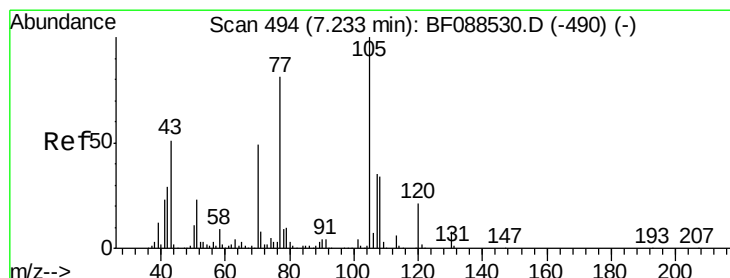
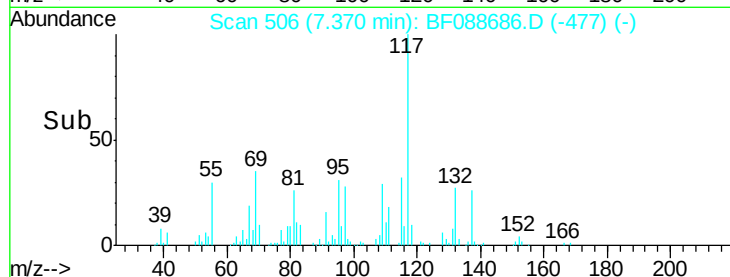
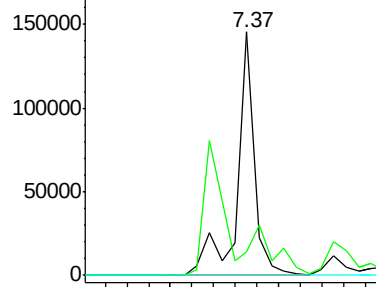
#18
Hexachloroethane
Concen: 58.39 ng
RT: 7.37 min Scan# 506
Delta R.T. 0.03 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

Tgt Ion: 117 Resp: 161794
Ion Ratio Lower Upper
117 100
119 9.6 77.4 116.2#
201 0.0 80.4 120.6#

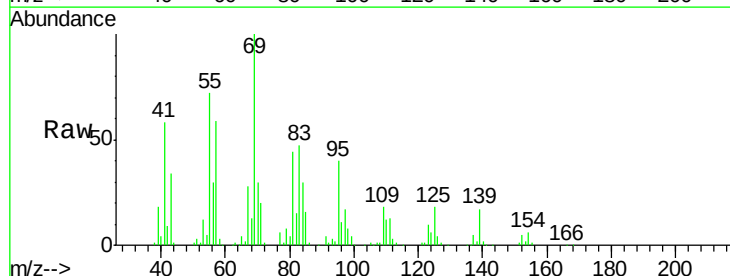


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

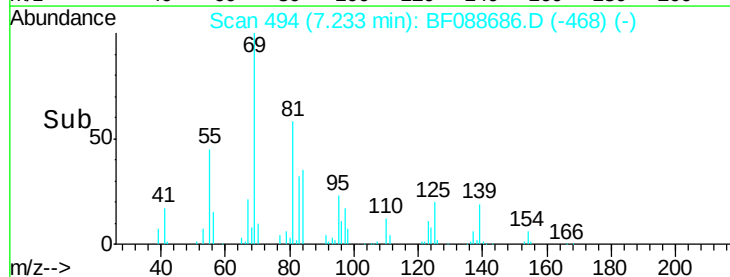
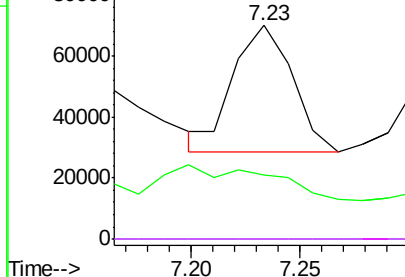


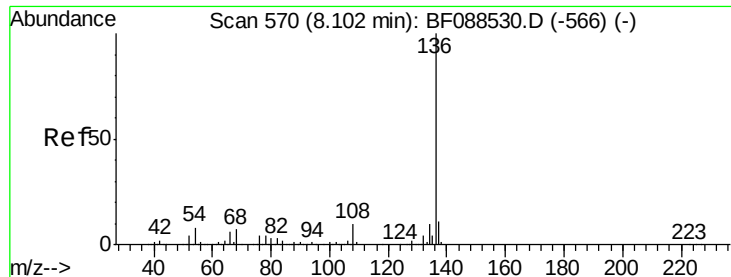
#19
n-Nitroso-di-n-propylamine
Concen: 14.87 ng
RT: 7.23 min Scan# 494
Delta R.T. -0.00 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion: 70 Resp: 78761
Ion Ratio Lower Upper
70 100
42 29.9 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#



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: 8.09 min Scan# 569

Delta R.T. -0.01 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

Tgt Ion:136 Resp: 219689

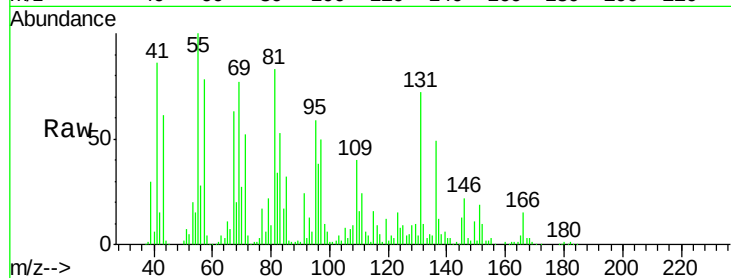
Ion Ratio Lower Upper

136 100

137 24.8 9.1 13.7#

54 30.2 6.6 10.0#

68 41.6 5.1 7.7#

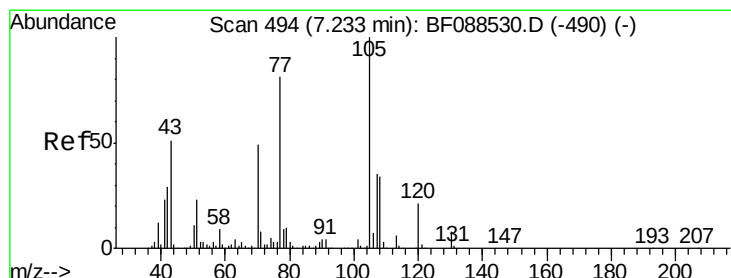
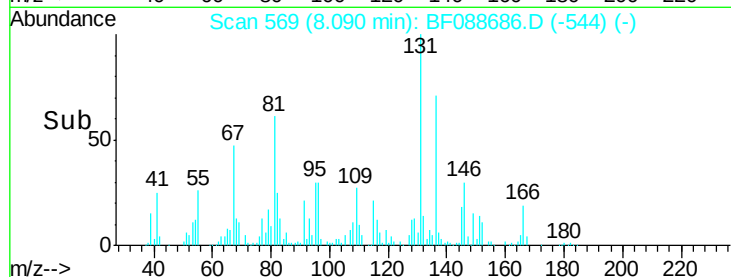
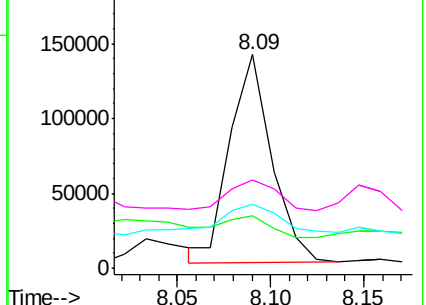


Abundance Ion 136.00 (135.70 to 136.70): E

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: 19.35 ng

RT: 7.12 min Scan# 484

Delta R.T. -0.11 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Tgt Ion:105 Resp: 103155

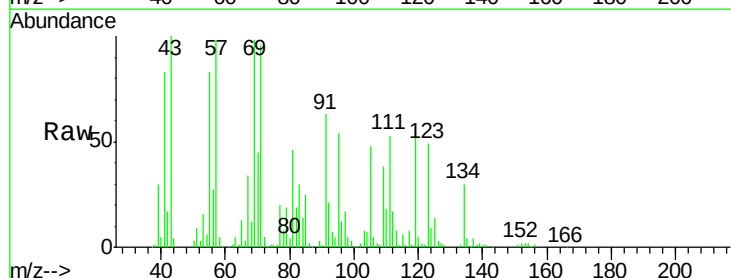
Ion Ratio Lower Upper

105 100

71 200.4 5.3 7.9#

51 19.5 18.2 27.4

120 11.1 18.0 27.0#

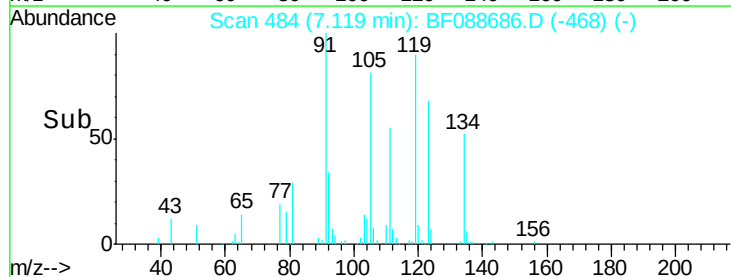
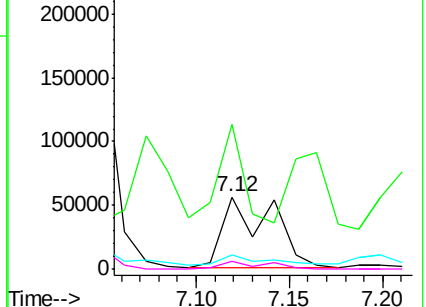


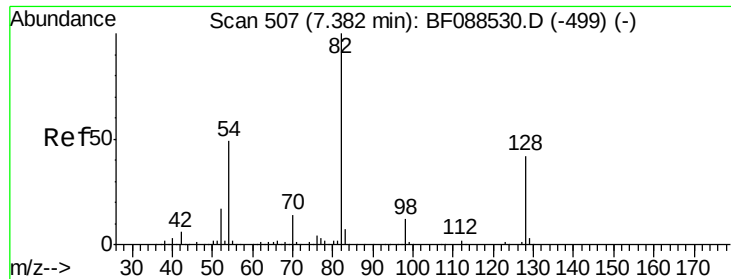
Abundance Ion 105.00 (104.70 to 105.70): E

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

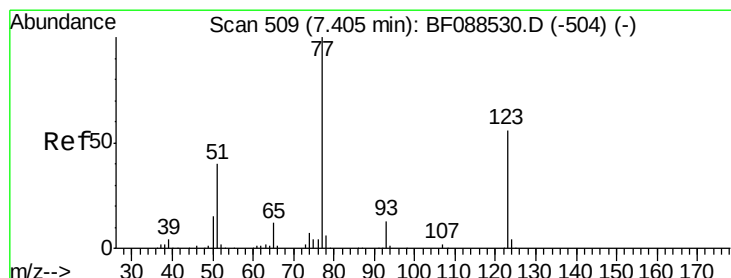
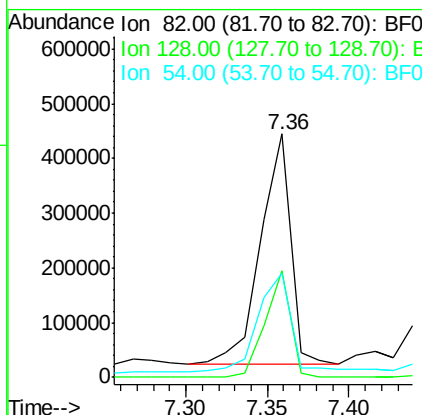
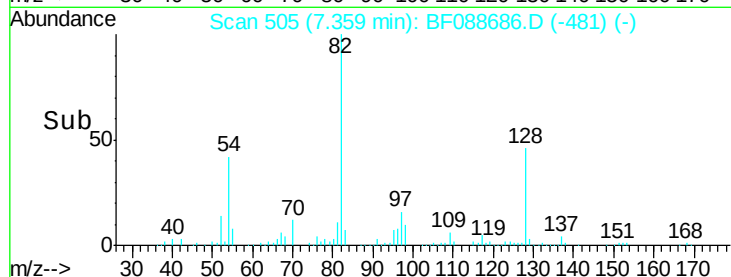
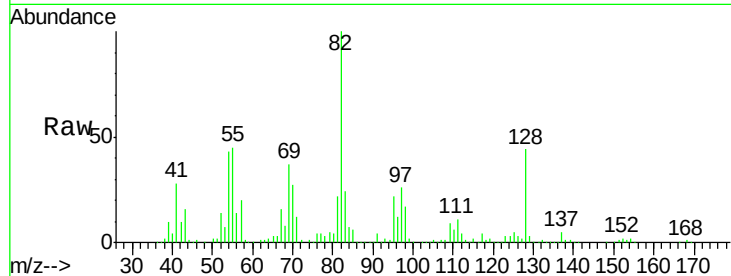




#23
 Nitrobenzene-d5
 Concen: 129.23 ng
 RT: 7.36 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

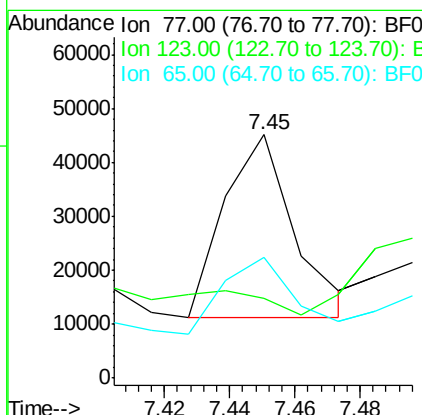
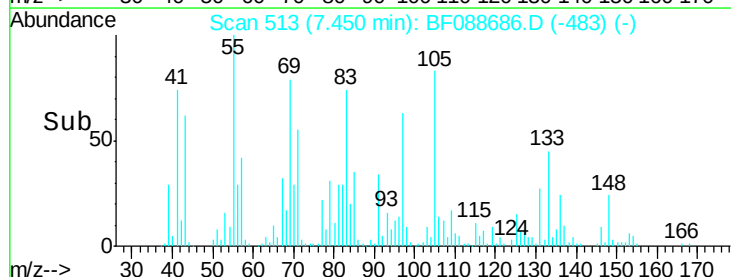
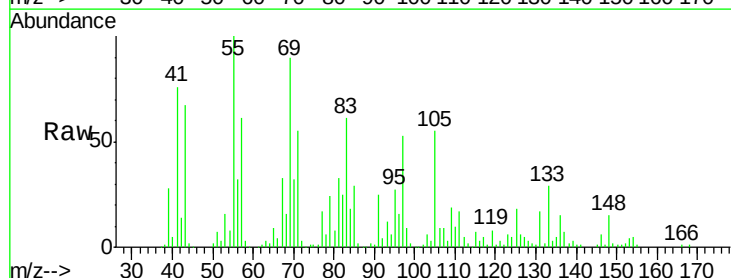
Instrument :
 BNA_F
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 EPCH-B2(13-15)

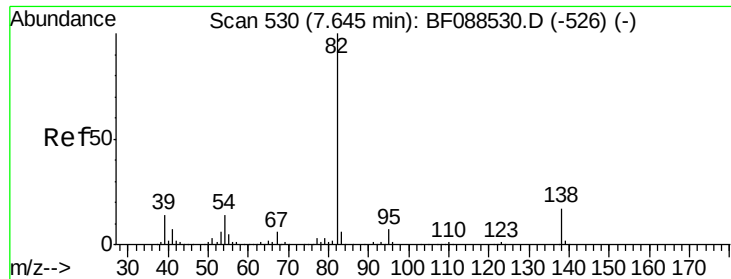
Tgt Ion: 82 Resp: 541753
 Ion Ratio Lower Upper
 82 100
 128 43.7 35.9 53.9
 54 42.7 40.9 61.3



#24
 Nitrobenzene
 Concen: 11.81 ng
 RT: 7.45 min Scan# 513
 Delta R.T. 0.05 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

Tgt Ion: 77 Resp: 49900
 Ion Ratio Lower Upper
 77 100
 123 32.7 45.0 67.4#
 65 49.4 10.2 15.2#





#25

Isophorone

Concen: 22.02 ng

RT: 7.61 min Scan# 527

Delta R.T. -0.03 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

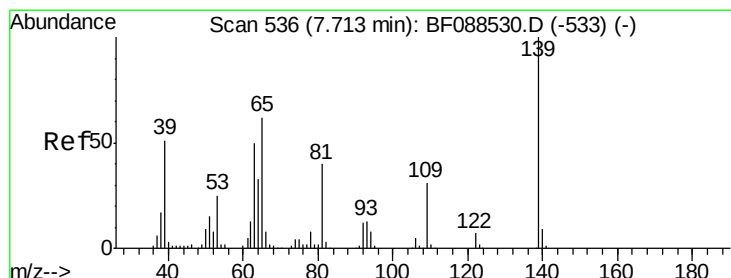
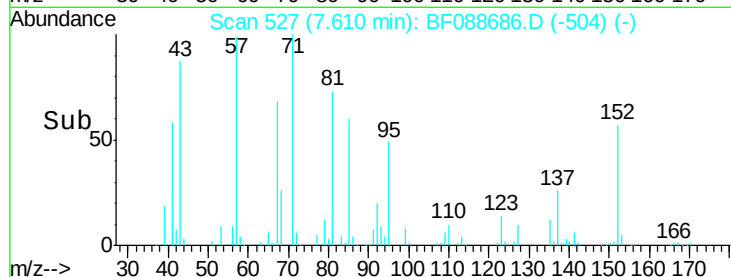
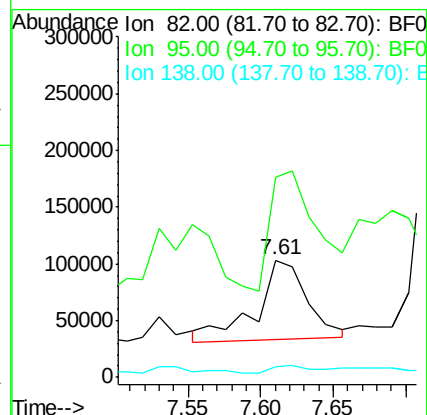
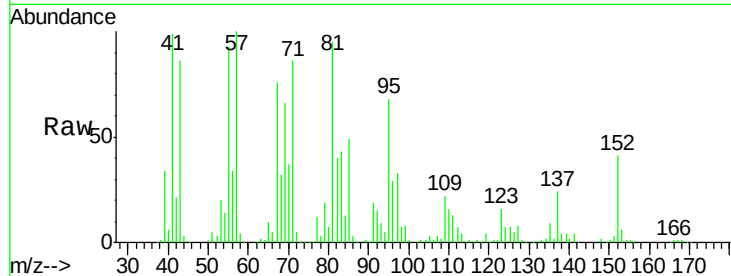
Tgt Ion: 82 Resp: 171014

Ion Ratio Lower Upper

82 100

95 170.1 5.4 8.2#

138 8.9 14.6 21.8#



#26

2-Nitrophenol

Concen: 7.46 ng

RT: 7.66 min Scan# 531

Delta R.T. -0.06 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

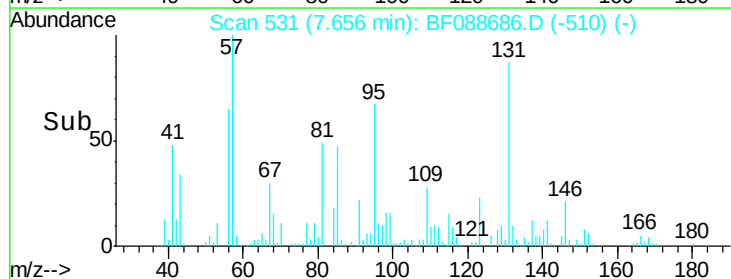
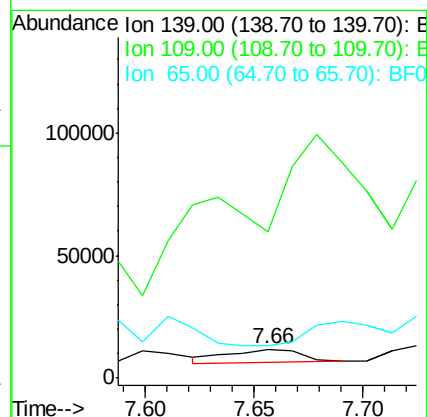
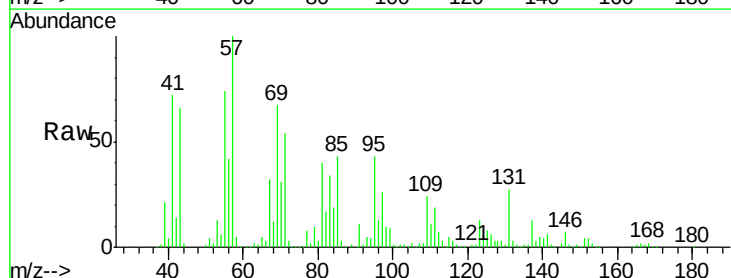
Tgt Ion: 139 Resp: 12927

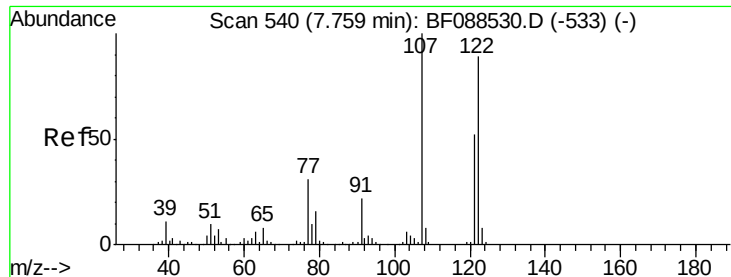
Ion Ratio Lower Upper

139 100

109 509.7 23.0 34.4#

65 114.1 45.8 68.8#





#27

2,4-Dimethylphenol

Concen: 12.02 ng

RT: 7.75 min Scan# 539

Delta R.T. -0.01 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

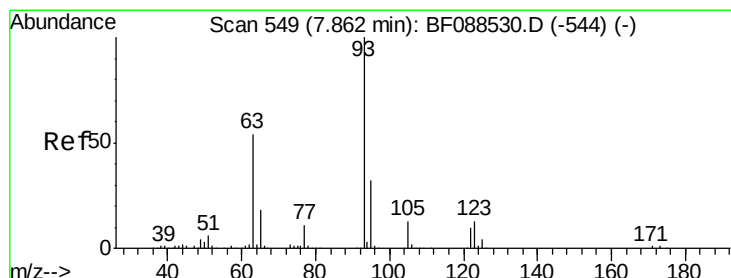
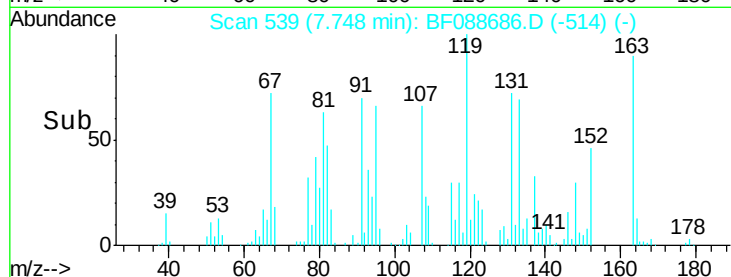
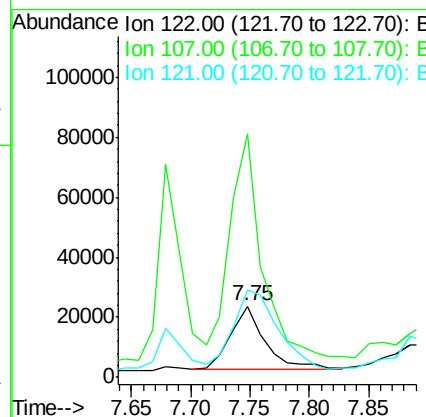
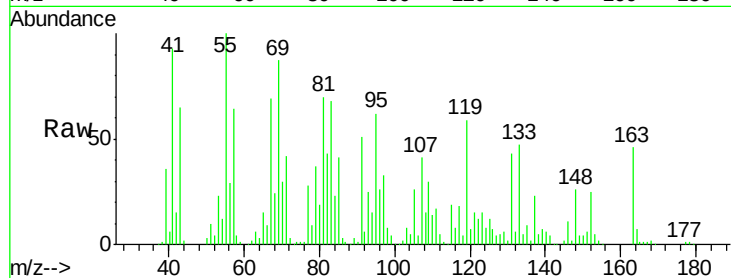
Tgt Ion:122 Resp: 43376

Ion Ratio Lower Upper

122 100

107 340.8 82.4 123.6#

121 121.6 46.3 69.5#



#28

bis(2-Chloroethoxy)methane

Concen: 9.80 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.02 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

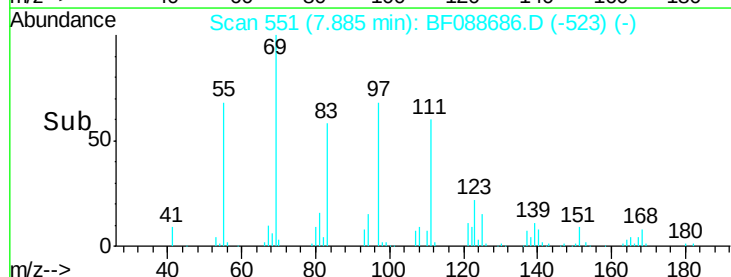
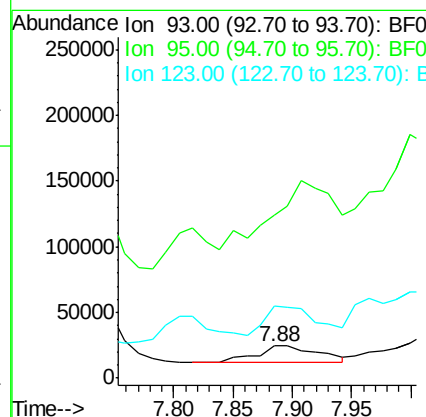
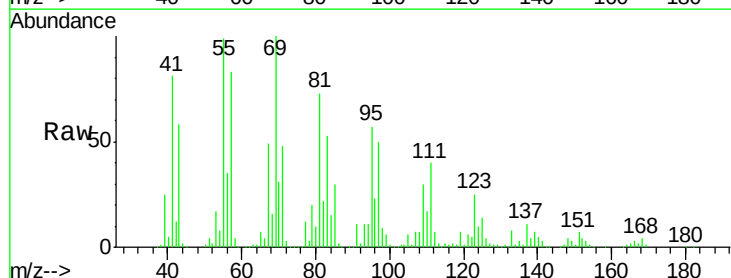
Tgt Ion: 93 Resp: 49508

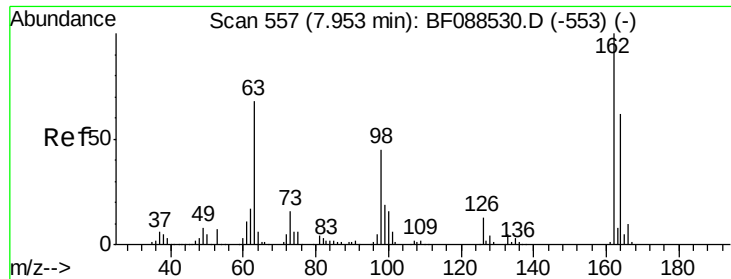
Ion Ratio Lower Upper

93 100

95 505.6 26.5 39.7#

123 222.2 11.6 17.4#

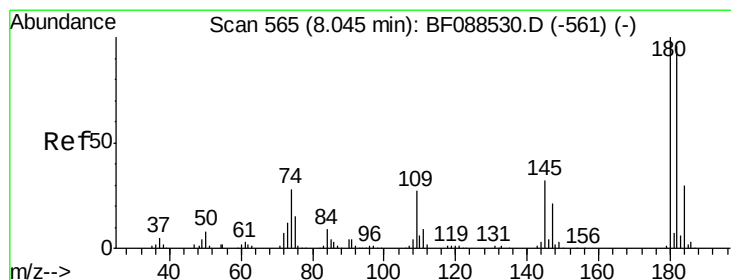
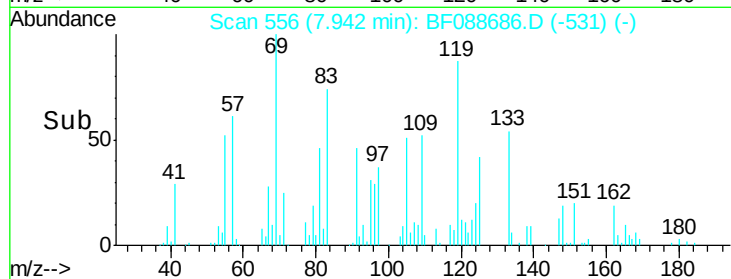
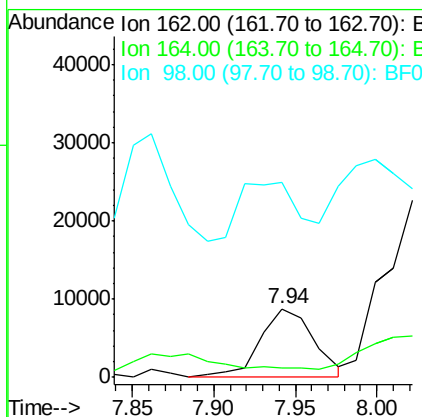
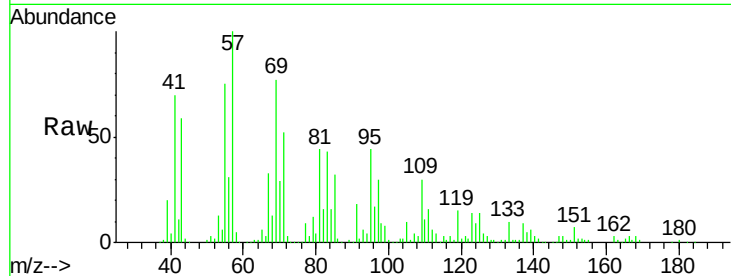




#29
2,4-Dichlorophenol
Concen: 6.89 ng
RT: 7.94 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

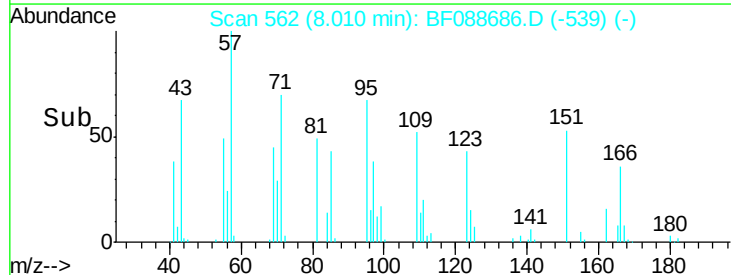
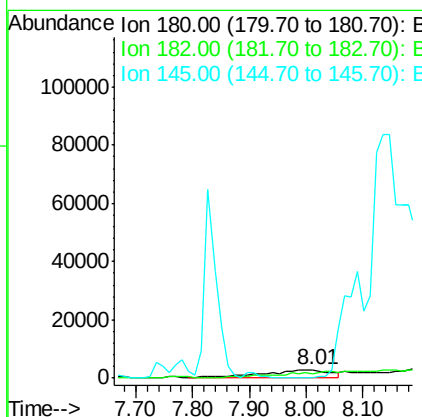
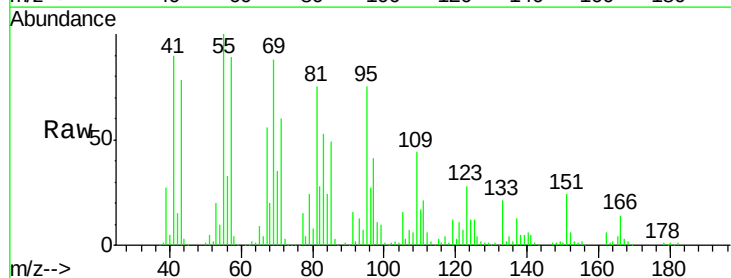
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

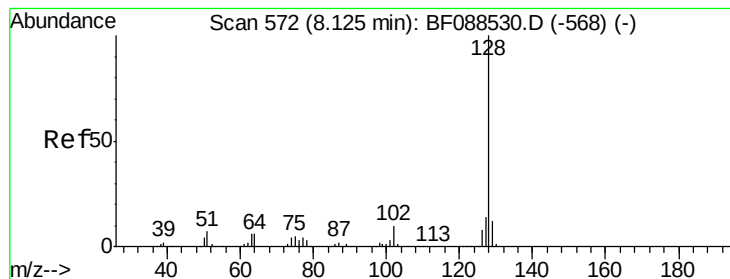
Tgt Ion:162 Resp: 20114
Ion Ratio Lower Upper
162 100
164 14.5 43.8 83.8#
98 285.8 21.3 61.3#



#30
1,2,4-Trichlorobenzene
Concen: 7.51 ng
RT: 8.01 min Scan# 562
Delta R.T. -0.03 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion:180 Resp: 24042
Ion Ratio Lower Upper
180 100
182 51.2 76.0 114.0#
145 0.0 26.5 39.7#





#31

Naphthalene

Concen: 6.44 ng

RT: 8.09 min Scan# 569

Delta R.T. -0.03 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

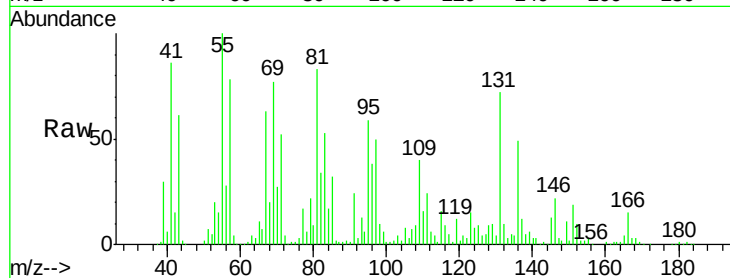
Tgt Ion:128 Resp: 69727

Ion Ratio Lower Upper

128 100

129 105.8 9.4 14.2#

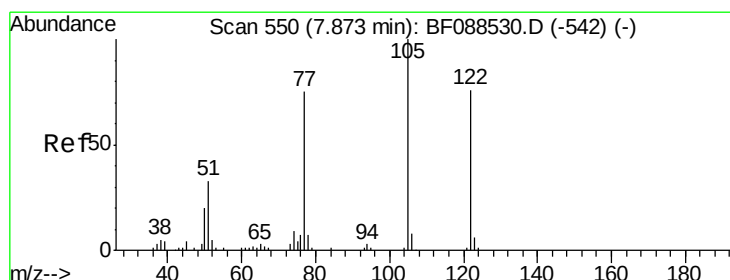
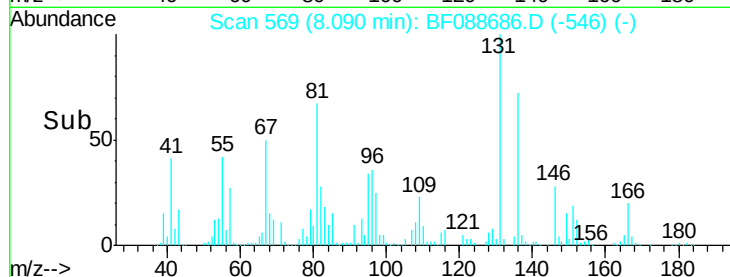
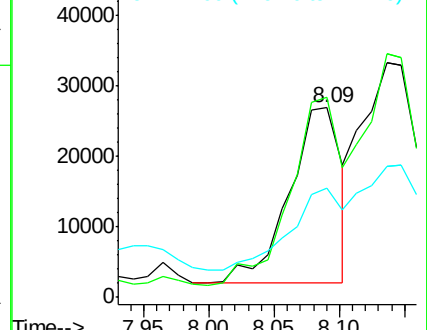
127 57.6 10.9 16.3#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 10.05 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.01 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

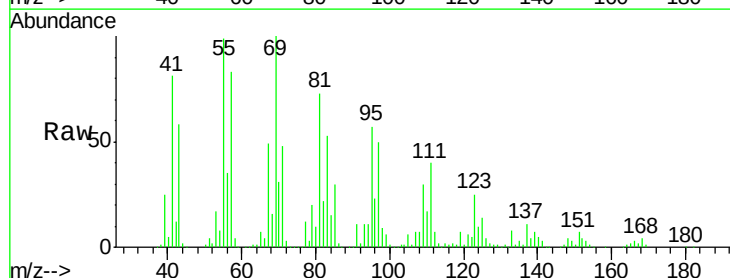
Tgt Ion:122 Resp: 26337

Ion Ratio Lower Upper

122 100

105 109.6 101.6 141.6

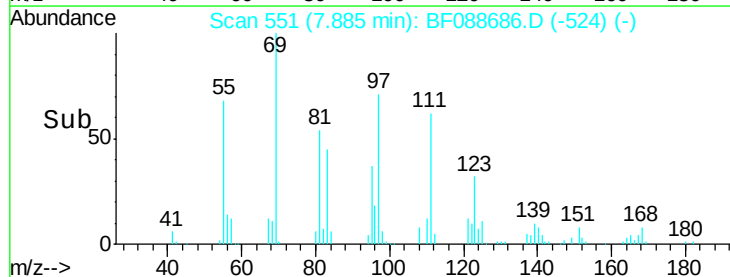
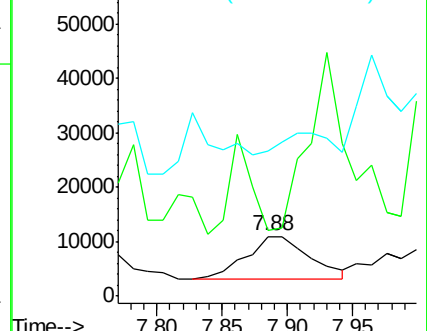
77 242.0 70.6 110.6#

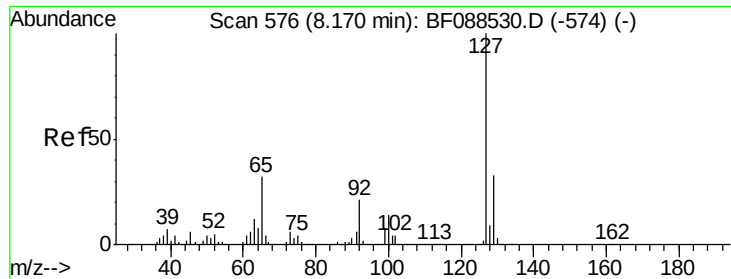


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

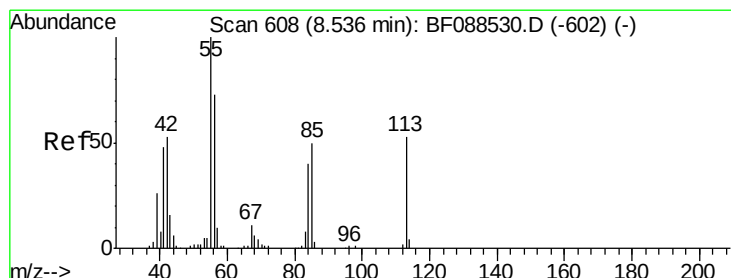
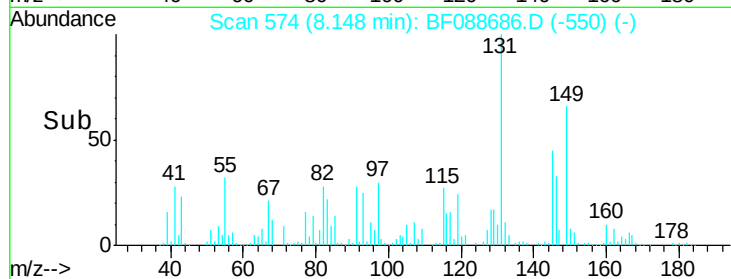
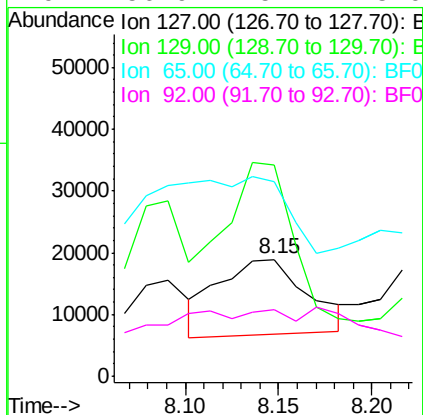
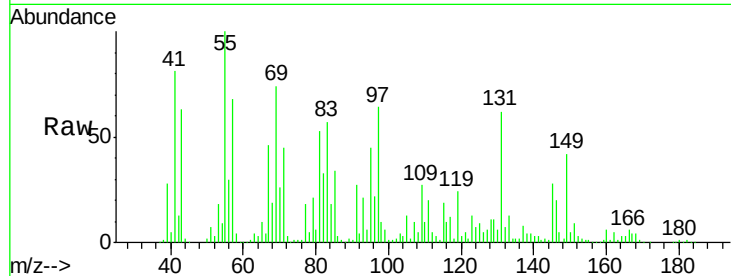




#33
4-Chloroaniline
Concen: 8.44 ng
RT: 8.15 min Scan# 574
Delta R.T. -0.02 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

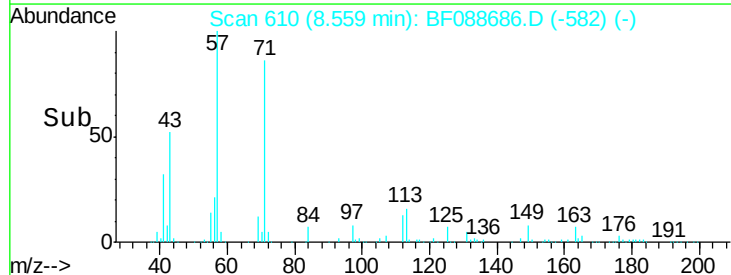
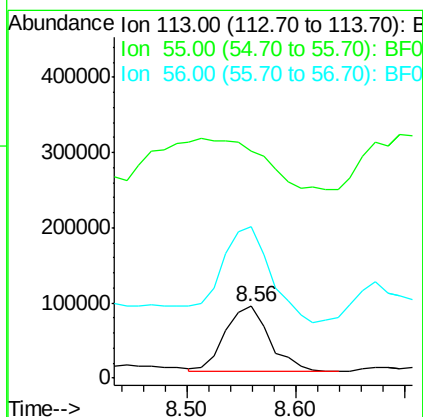
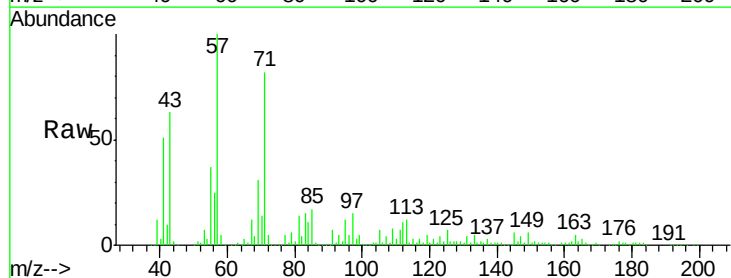
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

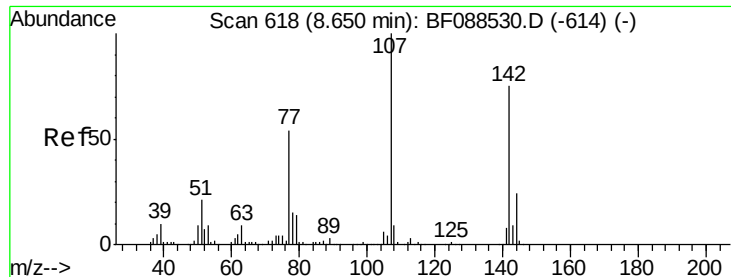
Tgt Ion:127 Resp: 40651
Ion Ratio Lower Upper
127 100
129 180.8 26.3 39.5#
65 167.0 24.7 37.1#
92 56.9 15.4 23.0#



#35
Caprolactam
Concen: 245.55 ng
RT: 8.56 min Scan# 610
Delta R.T. 0.02 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion:113 Resp: 243312
Ion Ratio Lower Upper
113 100
55 317.1 158.6 198.6#
56 211.4 110.6 150.6#





#36

4-Chloro-3-methylphenol

Concen: 15.03 ng

RT: 8.65 min Scan# 618

Delta R.T. -0.00 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

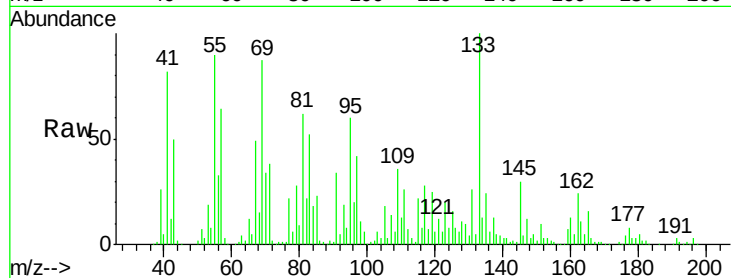
Tgt Ion:107 Resp: 51841

Ion Ratio Lower Upper

107 100

144 7.9 20.8 31.2#

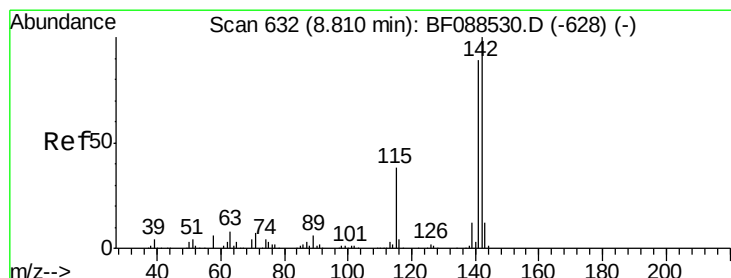
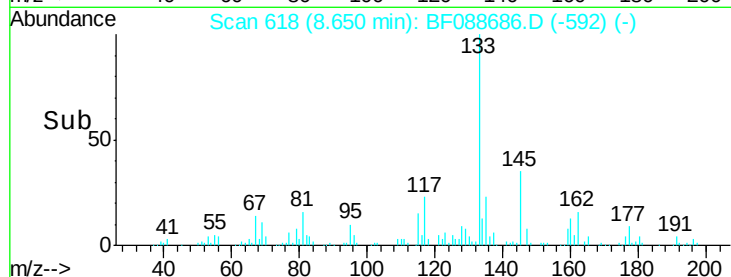
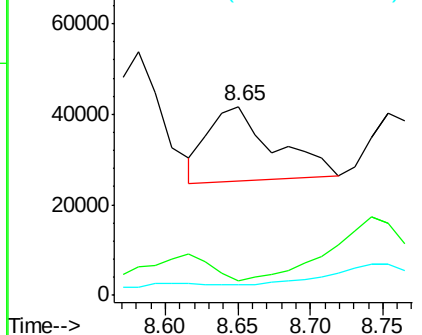
142 5.4 63.4 95.2#



Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#37

2-Methylnaphthalene

Concen: 4.83 ng

RT: 8.82 min Scan# 633

Delta R.T. 0.01 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

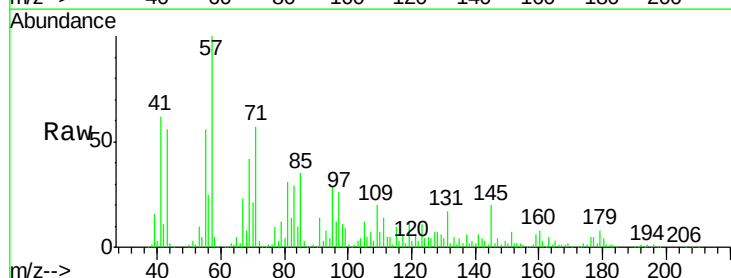
Tgt Ion:142 Resp: 33676

Ion Ratio Lower Upper

142 100

141 143.5 71.0 106.6#

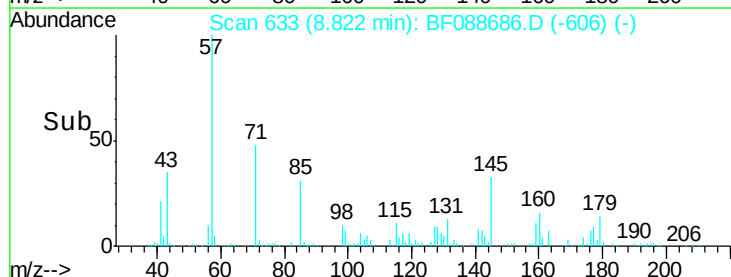
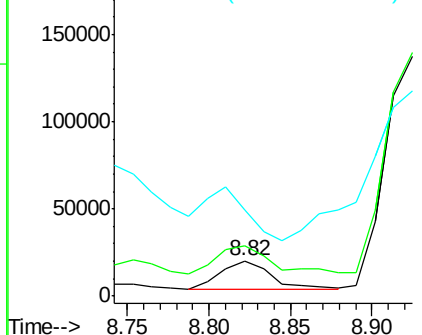
115 248.1 22.6 33.8#

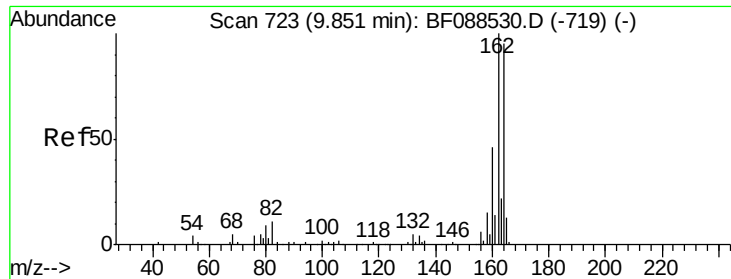


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

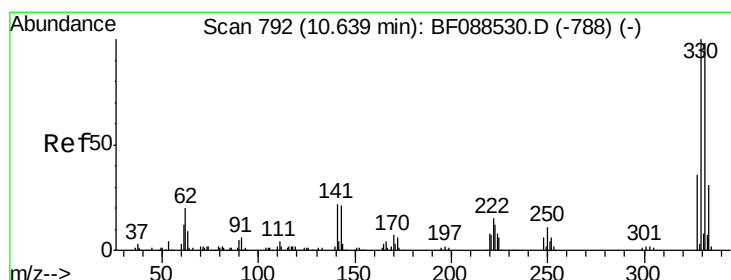
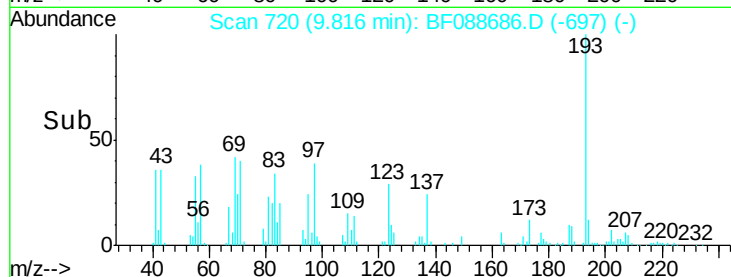
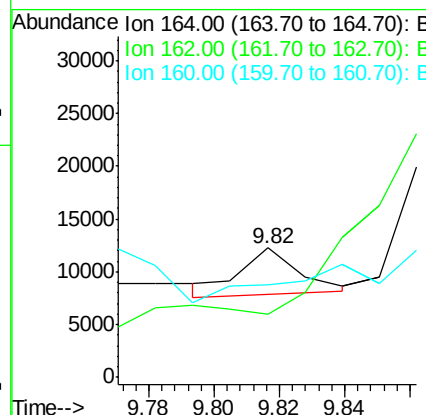
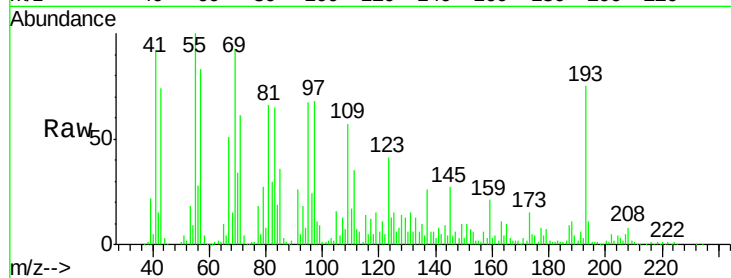




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

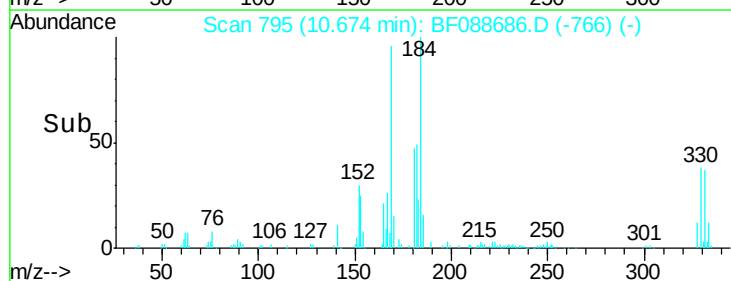
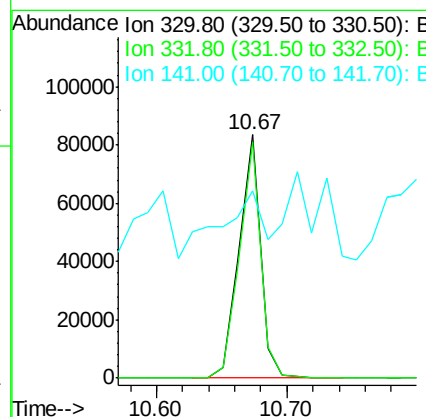
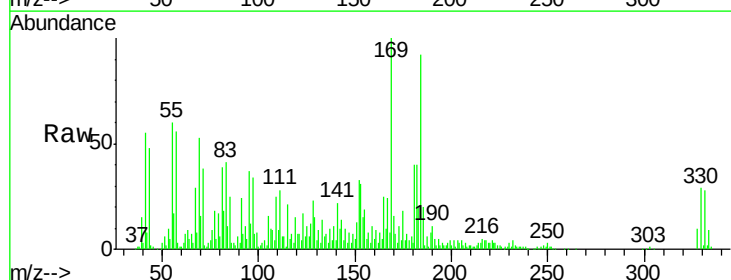
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

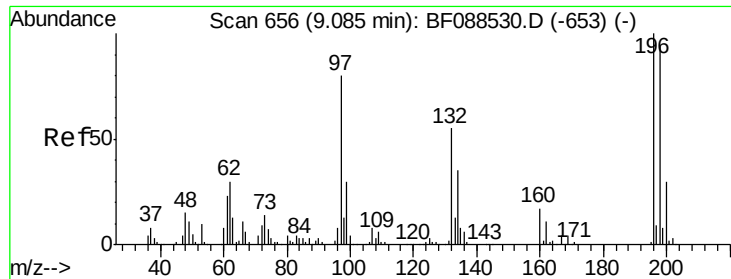
Tgt Ion:164 Resp: 5608
Ion Ratio Lower Upper
164 100
162 48.6 85.4 128.2#
160 71.1 39.5 59.3#



#41
2,4,6-Tribromophenol
Concen: 1834.10 ng
RT: 10.67 min Scan# 795
Delta R.T. 0.03 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion:330 Resp: 95513
Ion Ratio Lower Upper
330 100
332 95.9 0.0 0.0#
141 55.8 0.0 0.0#





#42

2,4,6-Trichlorophenol

Concen: 136.70 ng

RT: 9.12 min Scan# 659

Delta R.T. 0.03 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

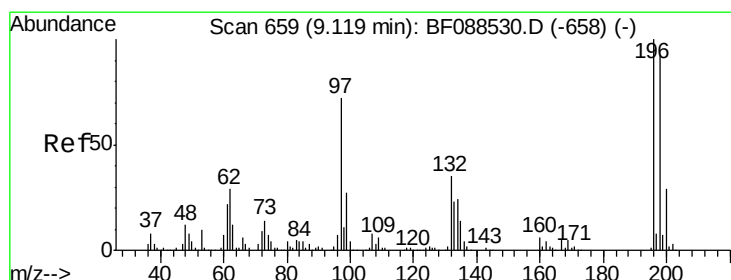
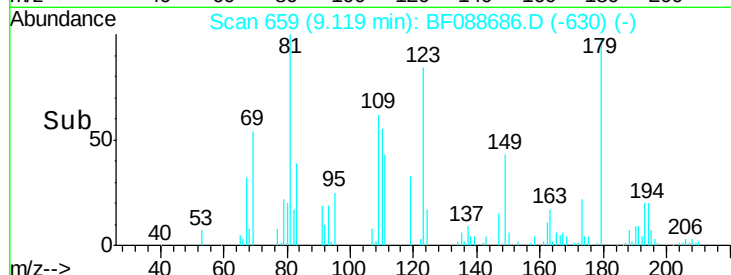
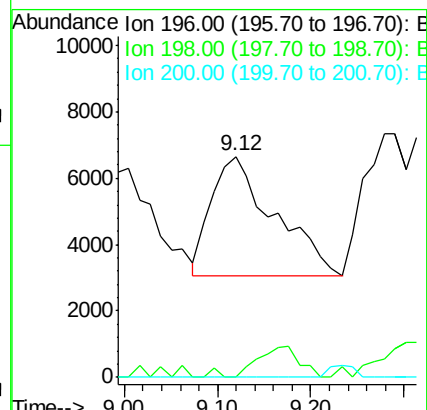
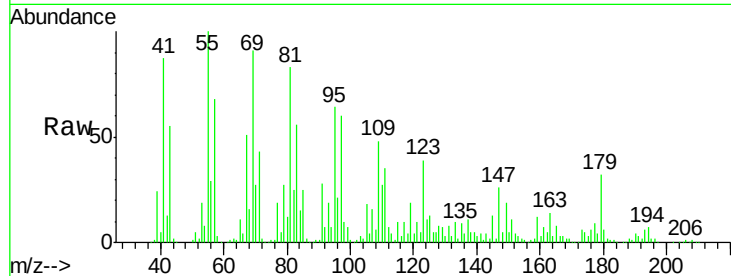
Tgt Ion:196 Resp: 16811

Ion Ratio Lower Upper

196 100

198 0.0 78.0 117.0#

200 0.0 25.4 38.2#



#43

2,4,5-Trichlorophenol

Concen: 158.88 ng

RT: 9.12 min Scan# 659

Delta R.T. -0.00 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Tgt Ion:196 Resp: 16811

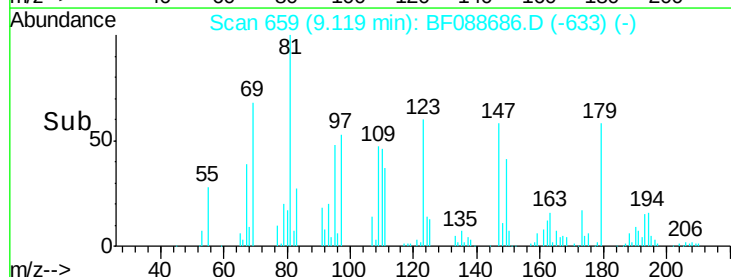
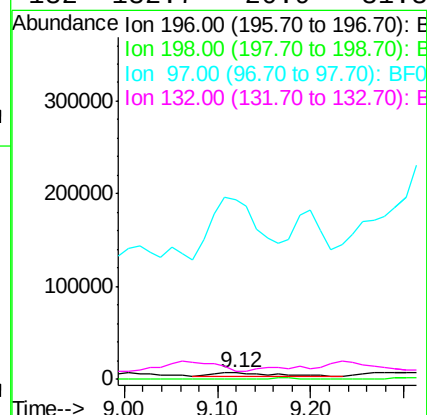
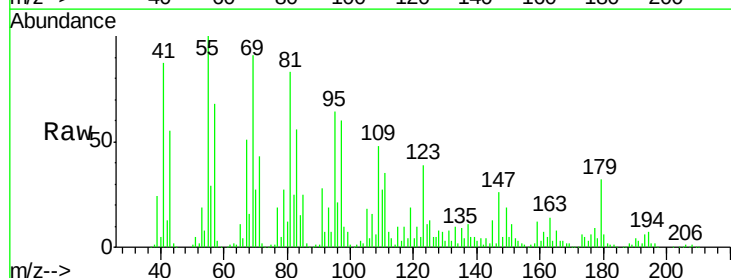
Ion Ratio Lower Upper

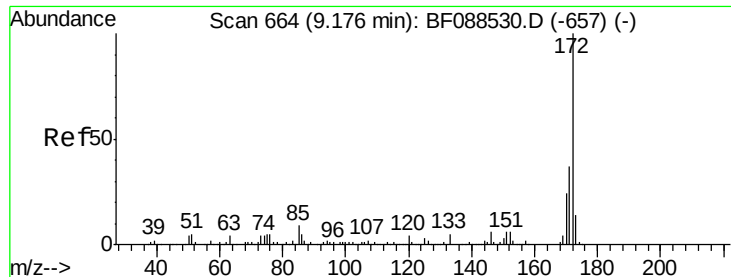
196 100

198 0.0 77.5 116.3#

97 2911.3 32.0 48.0#

132 132.7 20.9 31.3#

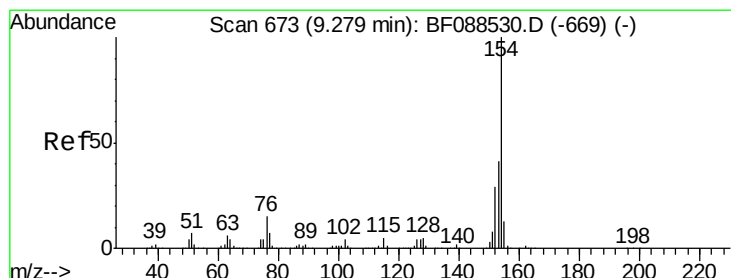
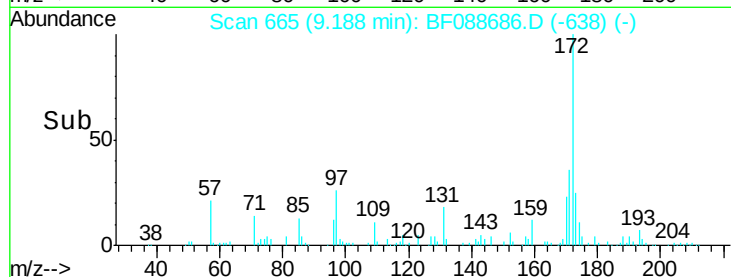
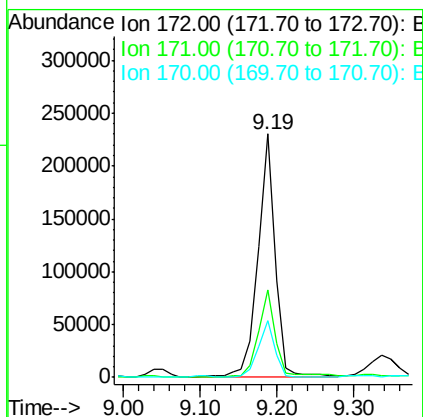
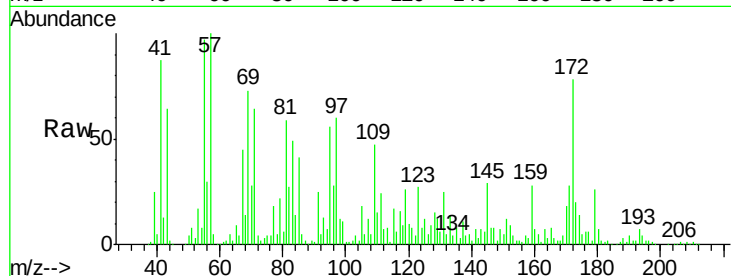




#44
 2-Fluorobiphenyl
 Concen: 994.03 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.01 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

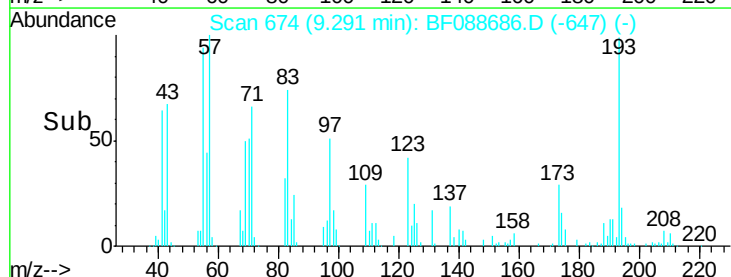
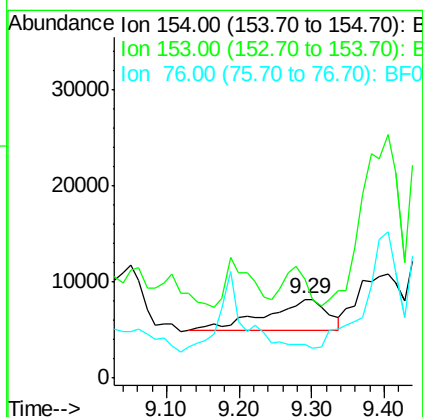
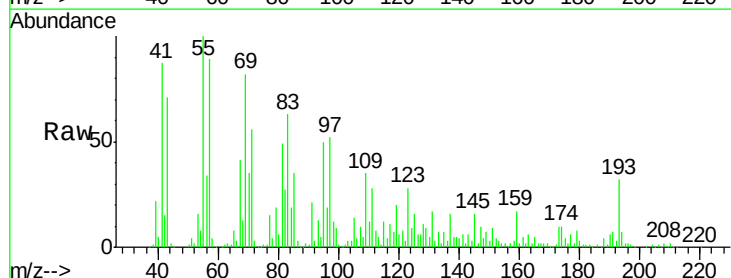
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(13-15)

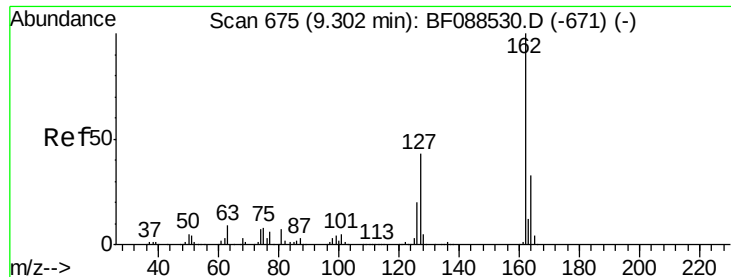
Tgt Ion:172 Resp: 352914
 Ion Ratio Lower Upper
 172 100
 171 36.1 28.6 43.0
 170 23.3 19.2 28.8



#45
 1,1'-Biphenyl
 Concen: 41.75 ng
 RT: 9.29 min Scan# 674
 Delta R.T. 0.01 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

Tgt Ion:154 Resp: 19388
 Ion Ratio Lower Upper
 154 100
 153 126.4 20.6 60.6#
 76 42.2 0.0 35.1#

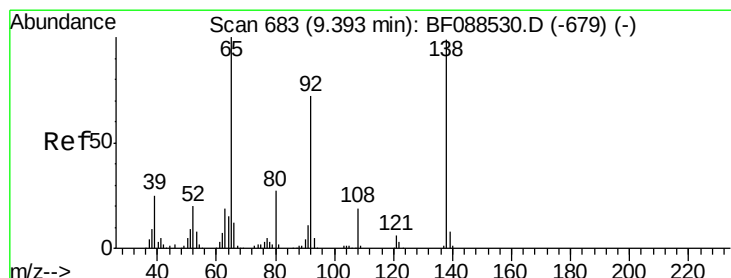
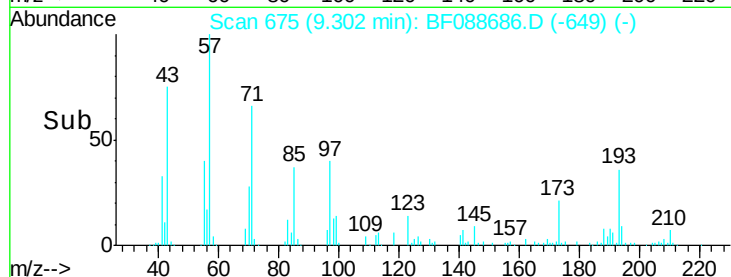
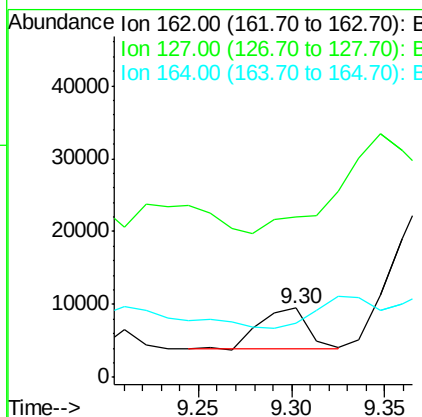
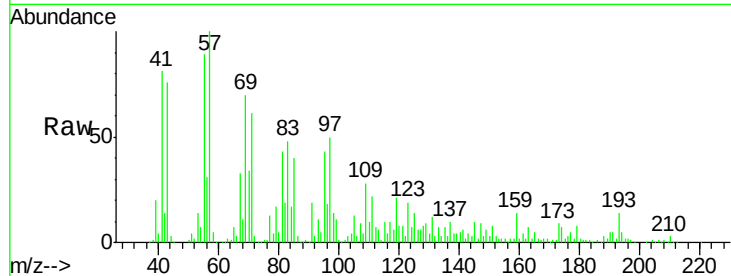




#46
2-Chloronaphthalene
Concen: 27.29 ng
RT: 9.30 min Scan# 675
Delta R.T. 0.00 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

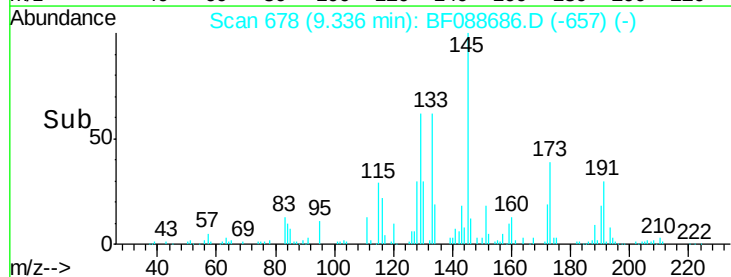
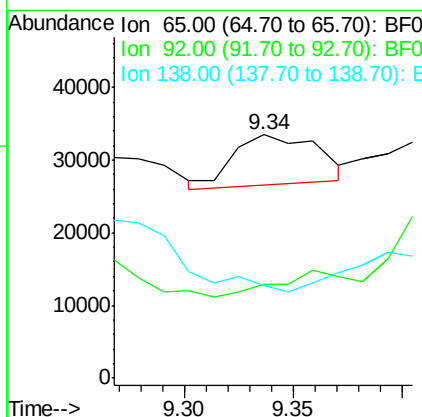
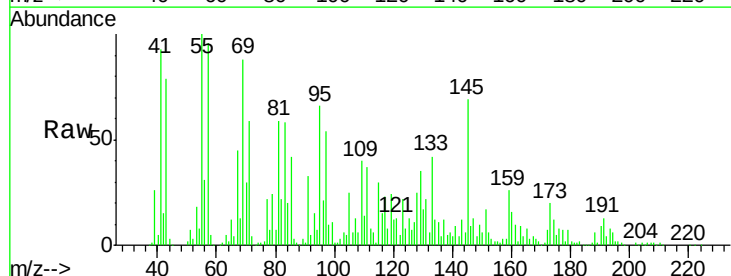
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

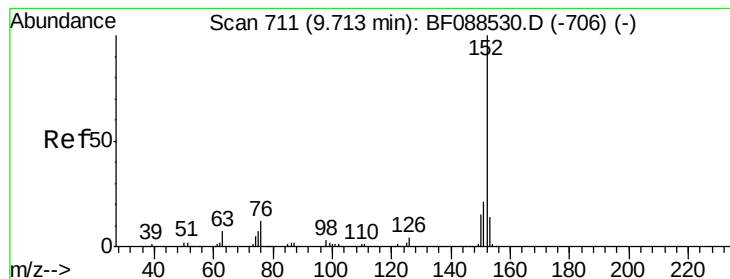
Tgt Ion: 162 Resp: 9948
Ion Ratio Lower Upper
162 100
127 231.5 35.2 52.8#
164 77.8 26.6 39.8#



#47
2-Nitroaniline
Concen: 146.41 ng
RT: 9.34 min Scan# 678
Delta R.T. -0.06 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion: 65 Resp: 18942
Ion Ratio Lower Upper
65 100
92 38.5 54.6 82.0#
138 38.3 77.0 115.4#





#48

Acenaphthylene

Concen: 143.31 ng

RT: 9.67 min Scan# 707

Delta R.T. -0.05 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

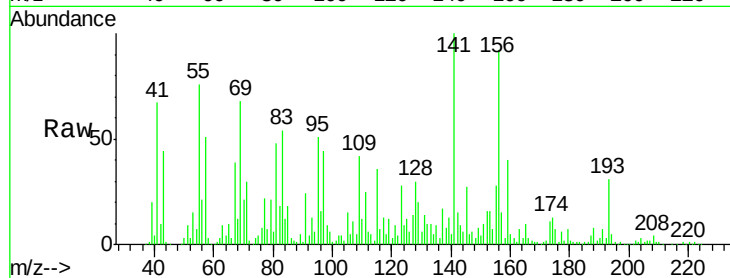
Tgt Ion:152 Resp: 83128

Ion Ratio Lower Upper

152 100

151 66.8 16.2 24.4#

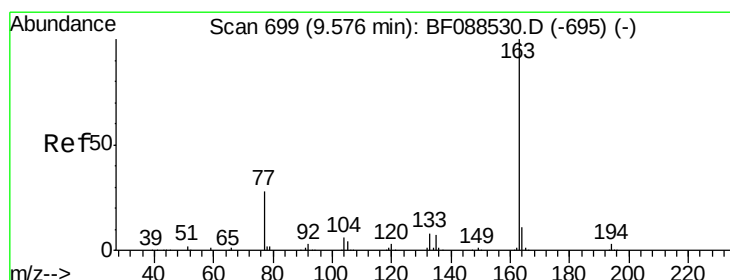
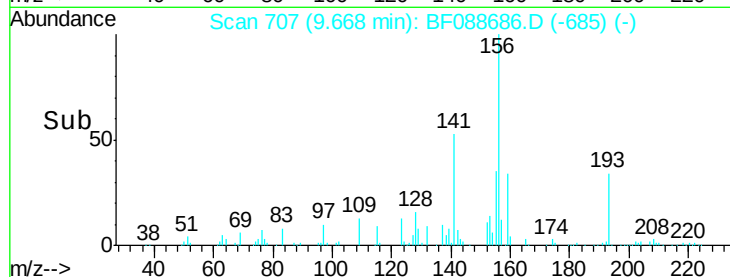
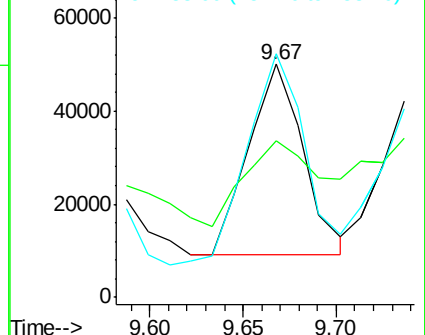
153 104.3 11.0 16.6#



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: 165.34 ng

RT: 9.58 min Scan# 699

Delta R.T. 0.00 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

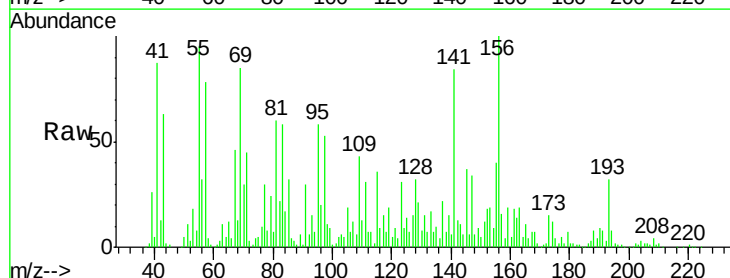
Tgt Ion:163 Resp: 66059

Ion Ratio Lower Upper

163 100

194 45.0 2.8 4.2#

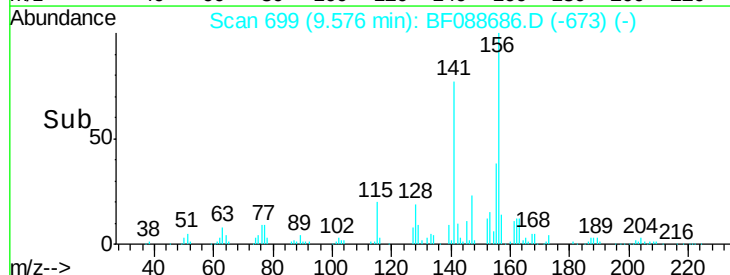
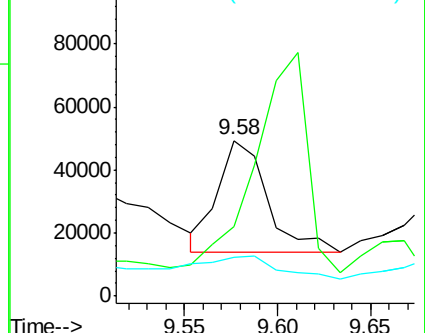
164 25.3 8.3 12.5#

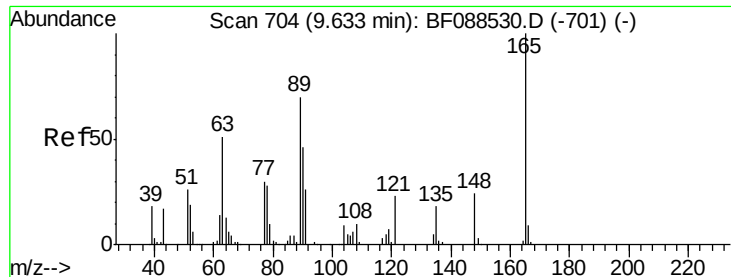


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

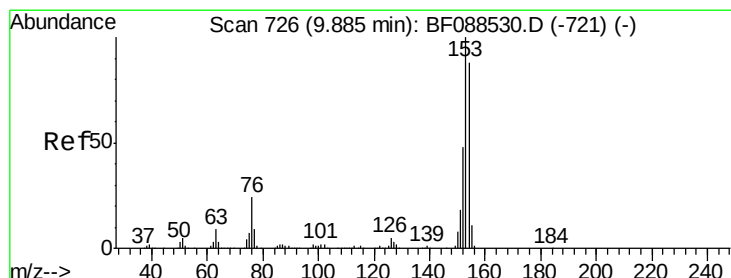
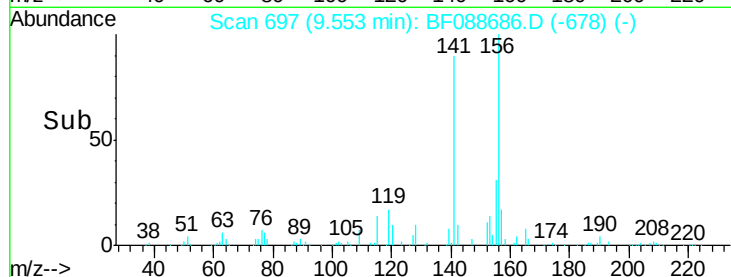
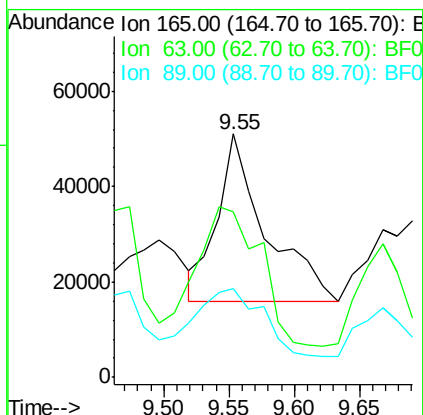
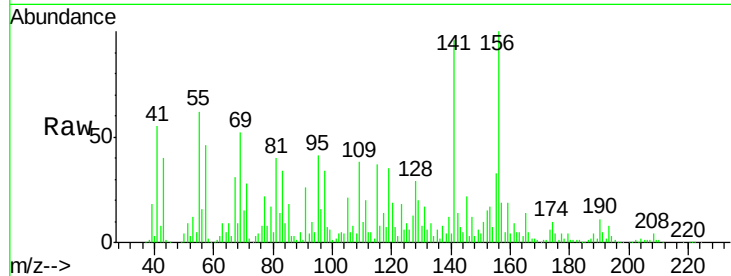




#50
2,6-Dinitrotoluene
Concen: 1020.18 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.08 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

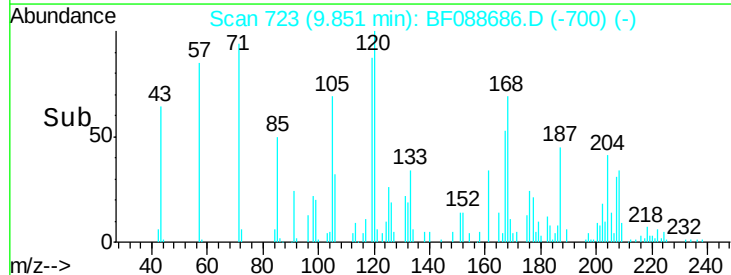
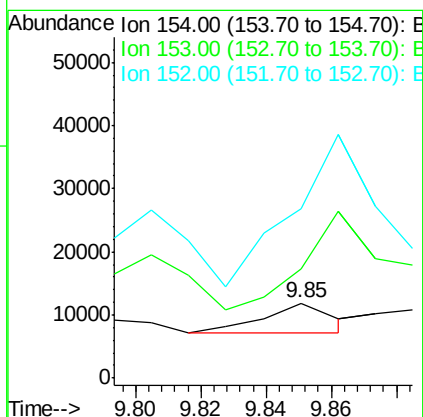
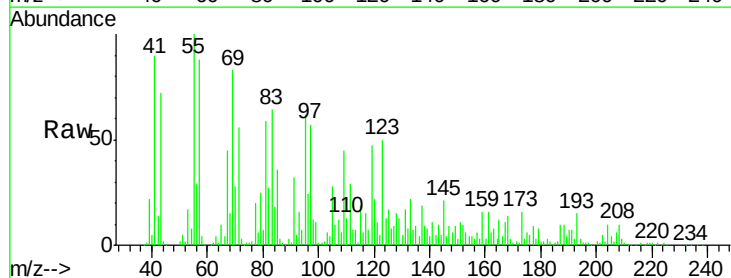
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

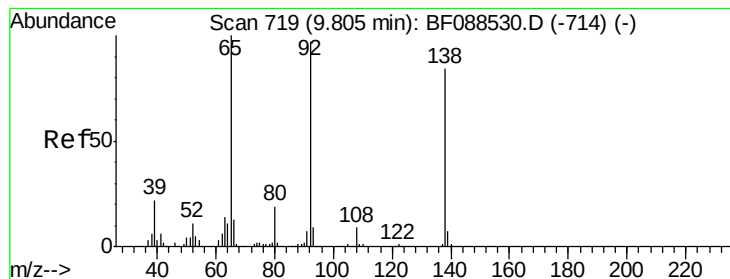
Tgt Ion:165 Resp: 90336
Ion Ratio Lower Upper
165 100
63 68.1 28.1 42.1#
89 36.5 32.2 48.2



#51
Acenaphthene
Concen: 19.67 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion:154 Resp: 6995
Ion Ratio Lower Upper
154 100
153 146.0 89.5 134.3#
152 224.6 42.7 64.1#





#52

3-Nitroaniline

Concen: 201.09 ng

RT: 9.76 min Scan# 715

Delta R.T. -0.05 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

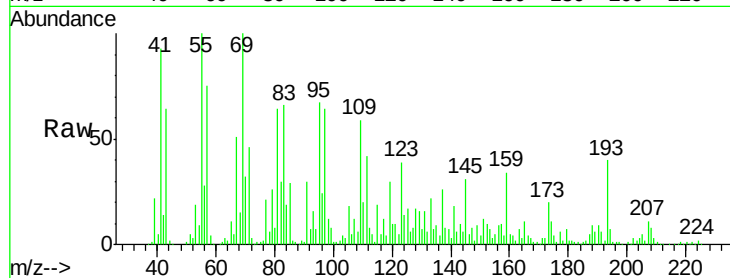
Tgt Ion:138 Resp: 22635

Ion Ratio Lower Upper

138 100

108 78.9 8.5 12.7#

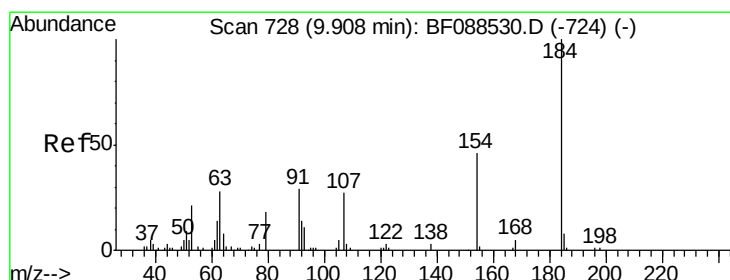
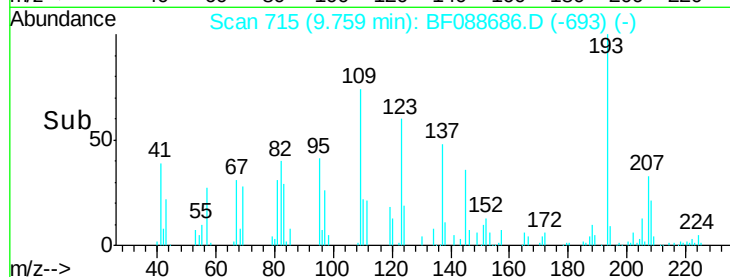
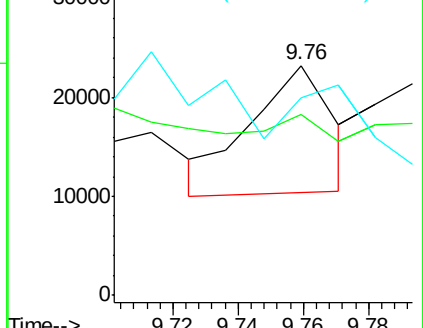
92 85.8 95.7 143.5#



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: 47.16 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.09 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

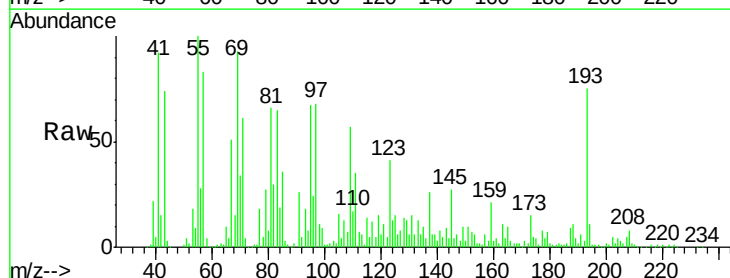
Tgt Ion:184 Resp: 1844

Ion Ratio Lower Upper

184 100

63 464.1 57.6 86.4#

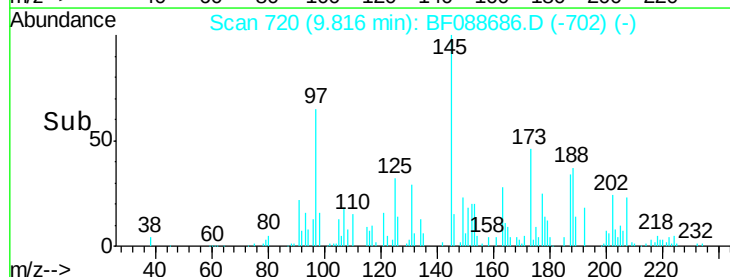
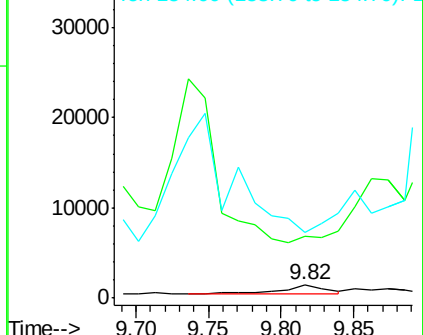
154 488.0 53.5 80.3#

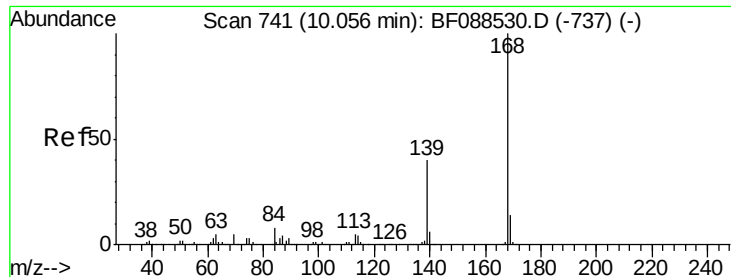


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 154.00 (153.70 to 154.70): E

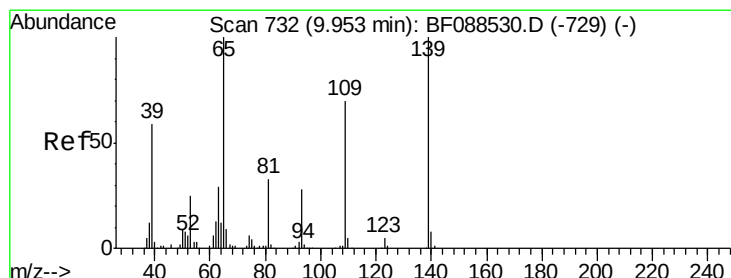
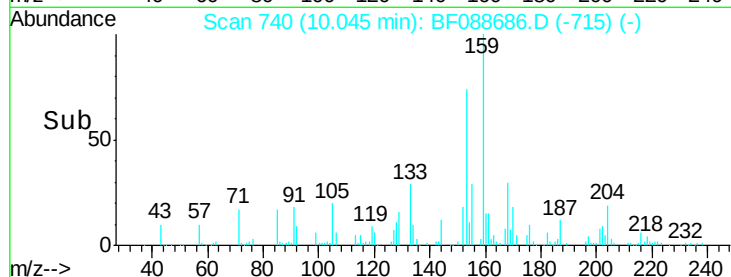
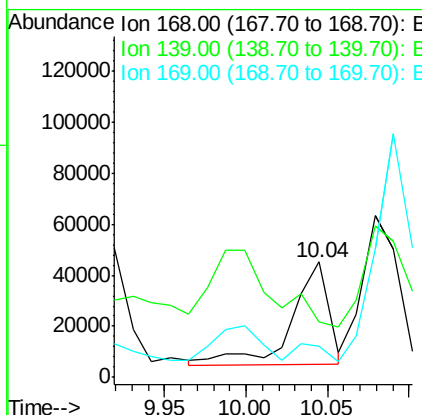
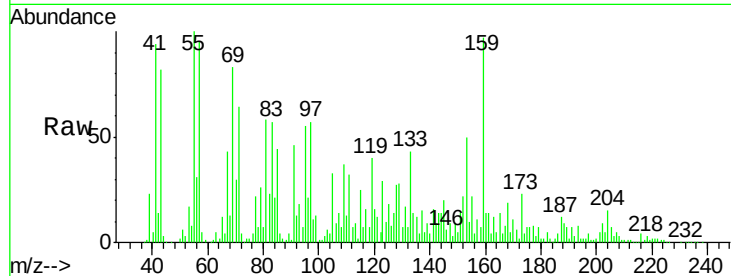




#54
Dibenzofuran
Concen: 139.65 ng
RT: 10.04 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

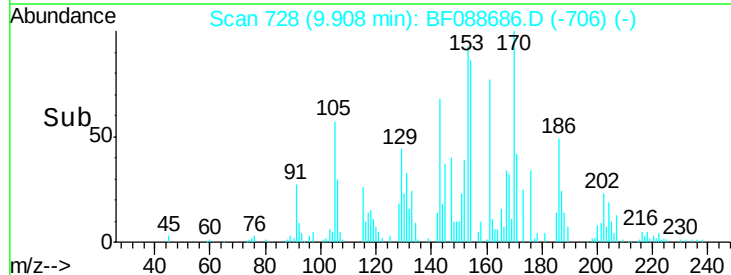
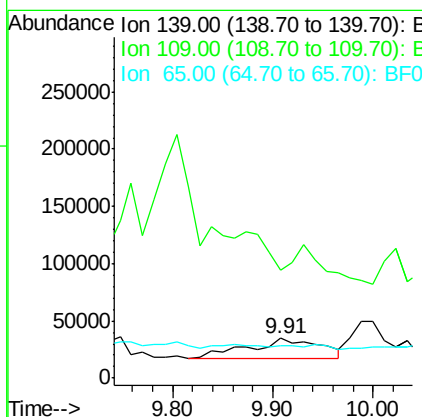
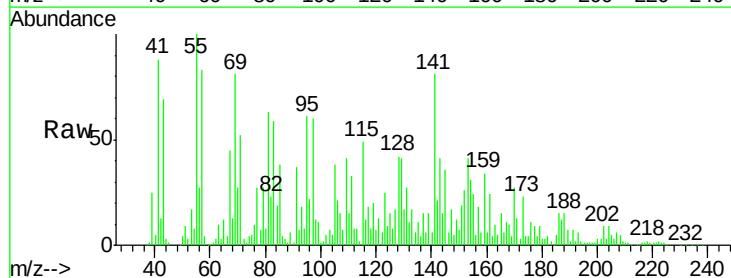
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

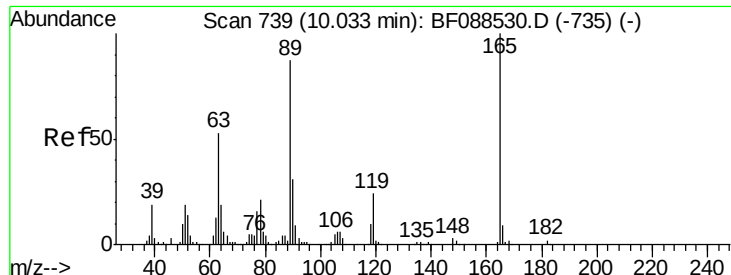
Tgt Ion:168 Resp: 64990
Ion Ratio Lower Upper
168 100
139 48.5 26.4 39.6#
169 26.6 10.4 15.6#



#55
4-Nitrophenol
Concen: 1016.02 ng
RT: 9.91 min Scan# 728
Delta R.T. -0.05 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion:139 Resp: 86912
Ion Ratio Lower Upper
139 100
109 269.1 48.9 88.9#
65 80.4 84.9 124.9#





#56

2,4-Dinitrotoluene

Concen: 148.21 ng

RT: 9.95 min Scan# 732

Delta R.T. -0.08 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

Tgt Ion:165 Resp: 17159

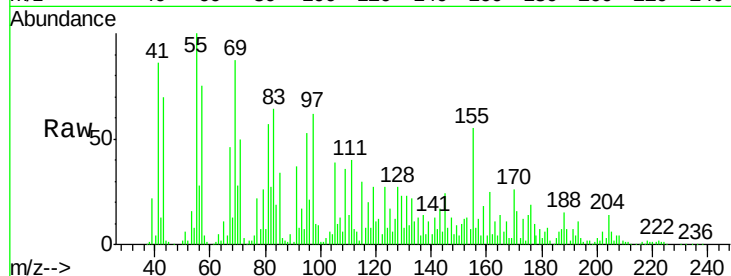
Ion Ratio Lower Upper

165 100

63 39.1 22.0 33.0#

89 35.8 41.1 61.7#

182 61.1 2.0 3.0#

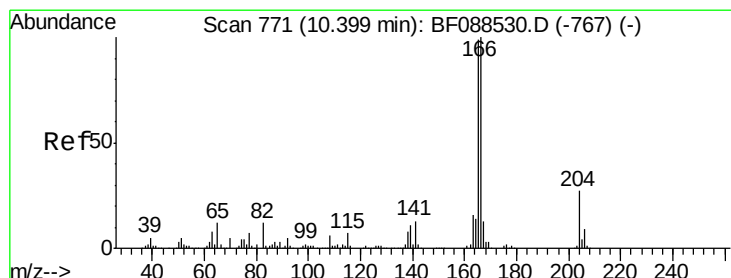
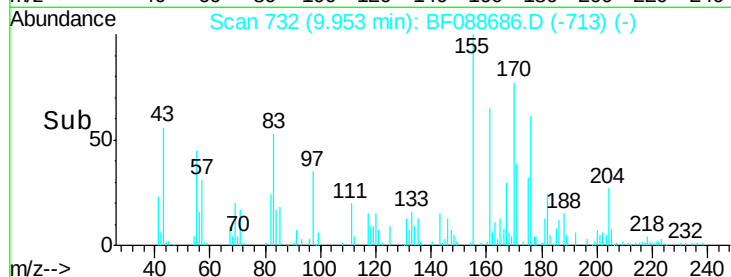
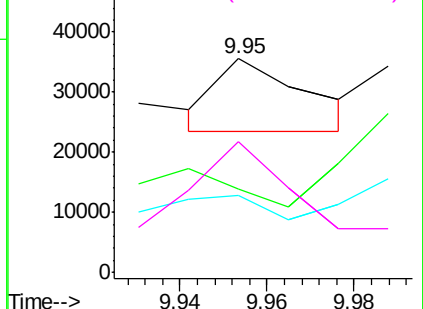


Abundance Ion 165.00 (164.70 to 165.70): E

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: 51.61 ng

RT: 10.31 min Scan# 763

Delta R.T. -0.09 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

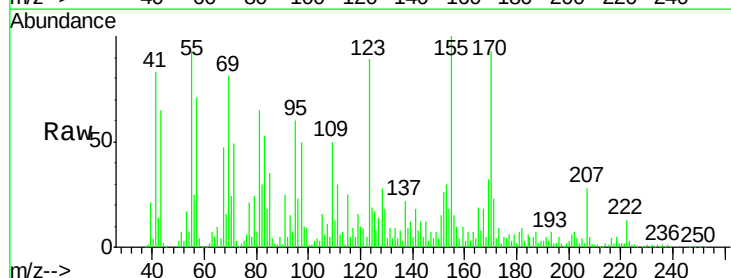
Tgt Ion:166 Resp: 18509

Ion Ratio Lower Upper

166 100

165 239.4 77.8 116.8#

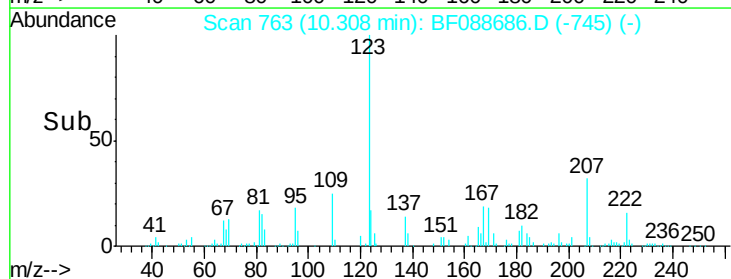
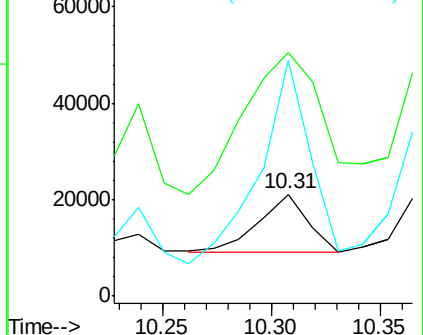
167 231.6 11.2 16.8#

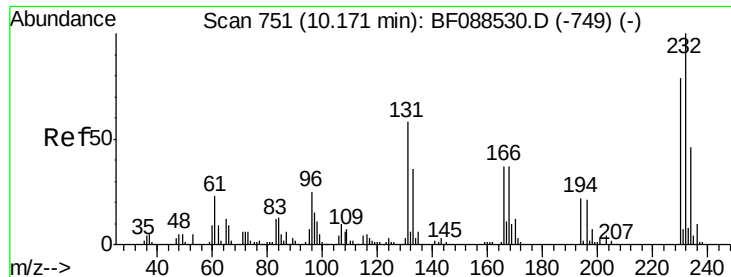


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

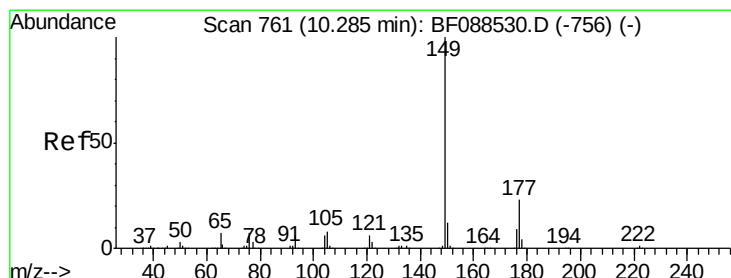
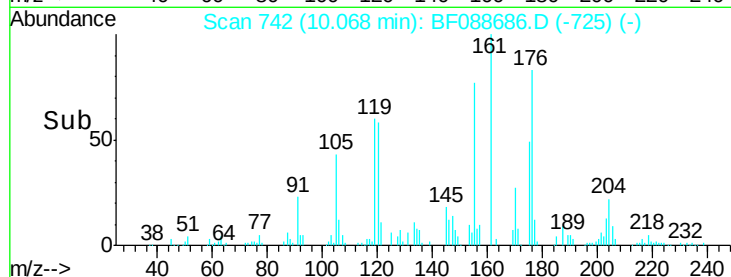
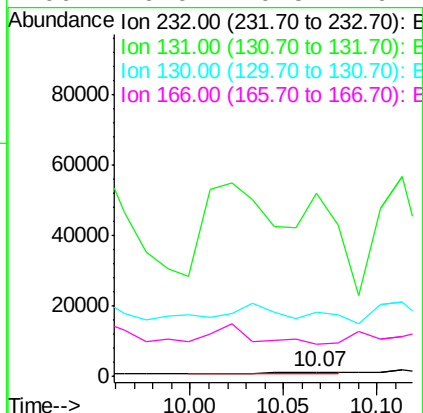
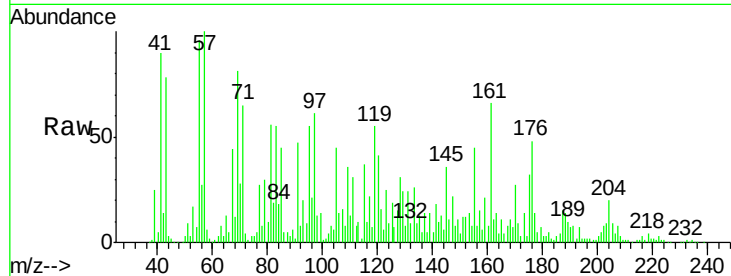




#58
 2,3,4,6-Tetrachlorophenol
 Concen: 26.35 ng
 RT: 10.07 min Scan# 742
 Delta R.T. -0.10 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

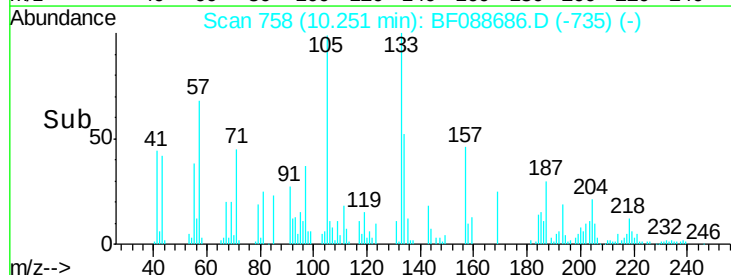
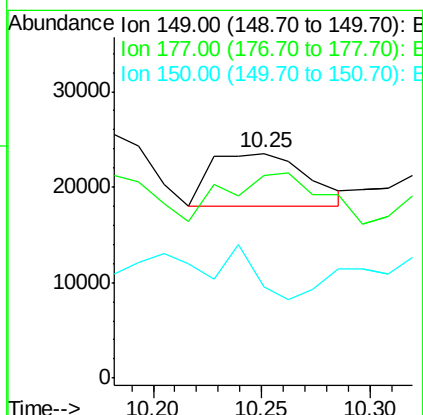
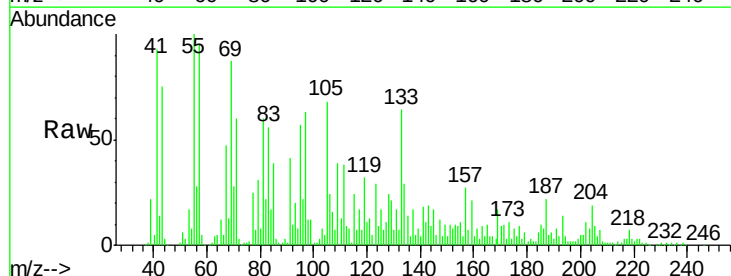
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(13-15)

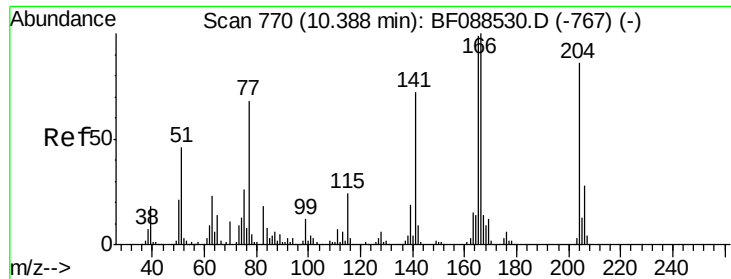
Tgt Ion: 232 Resp: 2157
 Ion Ratio Lower Upper
 232 100
 131 0.0 0.9 1.3#
 130 0.0 1.5 2.3#
 166 0.0 0.5 0.7#



#59
 Diethylphthalate
 Concen: 42.75 ng
 RT: 10.25 min Scan# 758
 Delta R.T. -0.03 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

Tgt Ion: 149 Resp: 17142
 Ion Ratio Lower Upper
 149 100
 177 90.3 16.9 25.3#
 150 40.8 10.1 15.1#

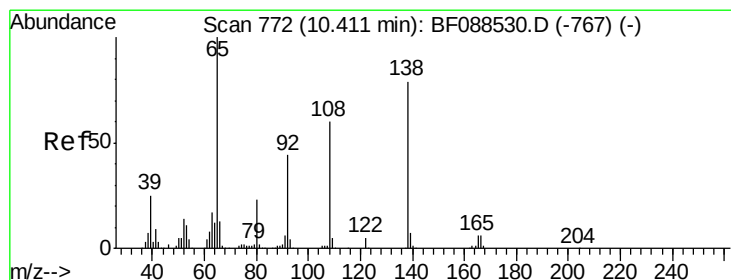
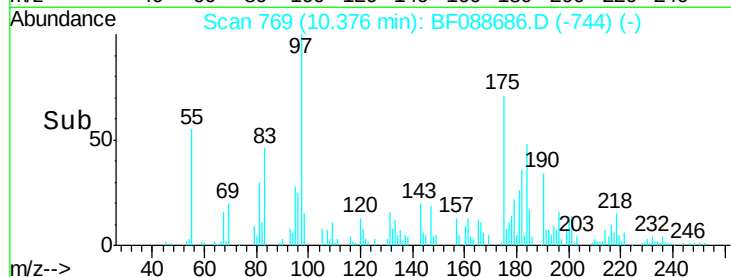
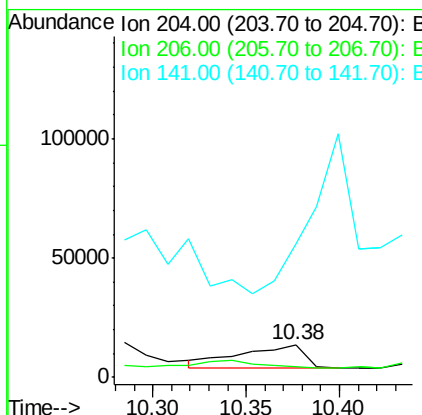
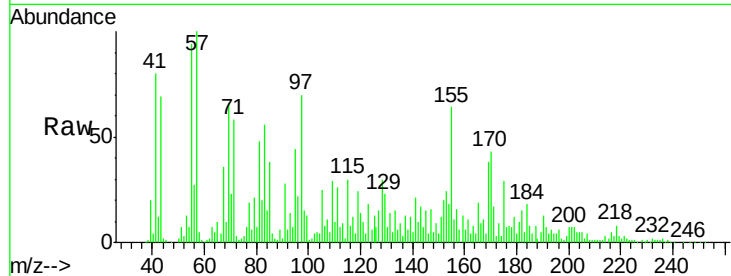




#60
 4-Chlorophenyl-phenylether
 Concen: 133.23 ng
 RT: 10.38 min Scan# 769
 Delta R.T. -0.01 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

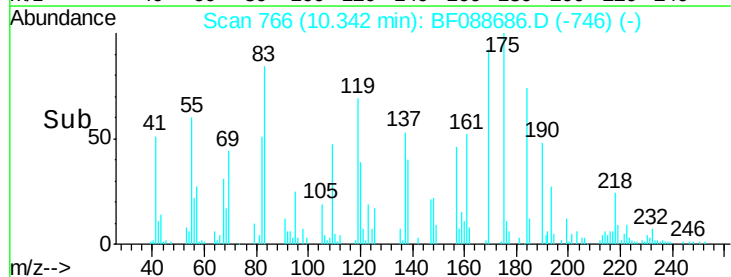
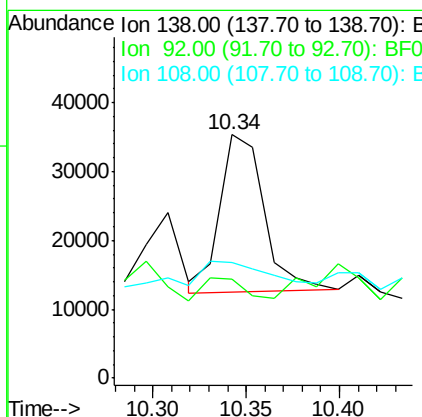
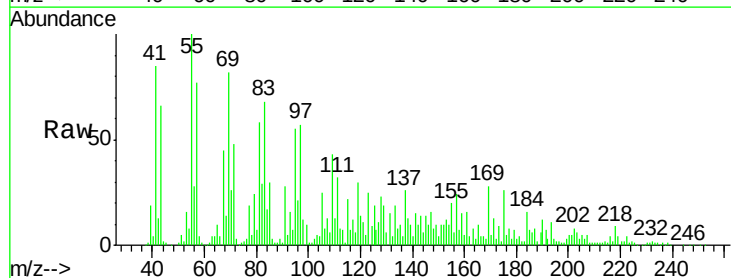
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(13-15)

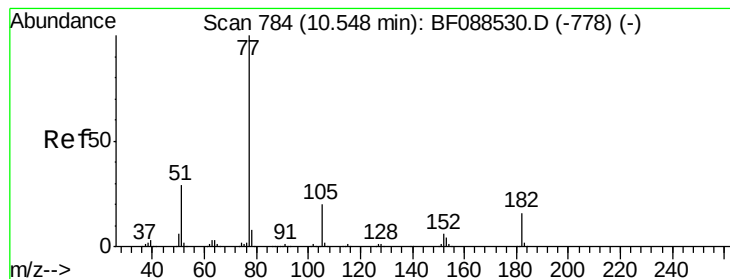
Tgt Ion:204 Resp: 22202
 Ion Ratio Lower Upper
 204 100
 206 32.7 26.3 39.5
 141 410.9 55.0 82.6#



#61
 4-Nitroaniline
 Concen: 349.27 ng
 RT: 10.34 min Scan# 766
 Delta R.T. -0.07 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

Tgt Ion:138 Resp: 37834
 Ion Ratio Lower Upper
 138 100
 92 40.6 27.3 67.3
 108 47.7 46.7 86.7





#62

Azobenzene

Concen: 168.47 ng

RT: 10.60 min Scan# 789

Delta R.T. 0.06 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

Tgt Ion: 77 Resp: 77052

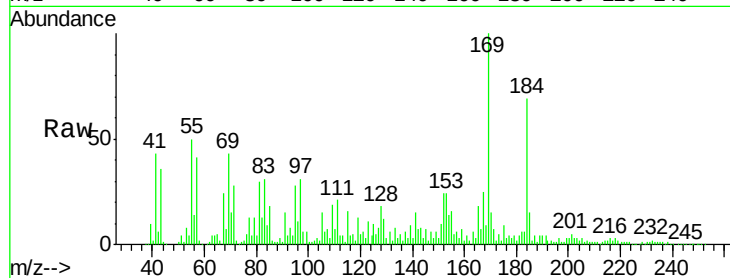
Ion Ratio Lower Upper

77 100

182 48.0 4.4 44.4#

105 113.1 3.8 43.8#

51 28.9 9.3 49.3

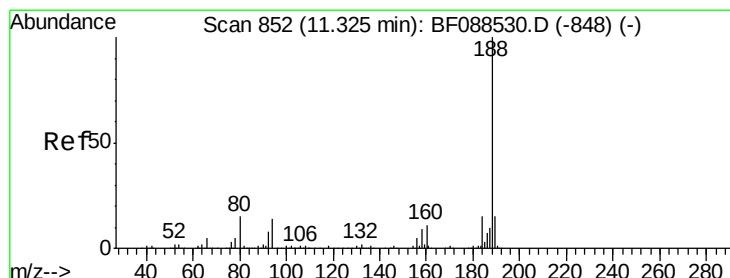
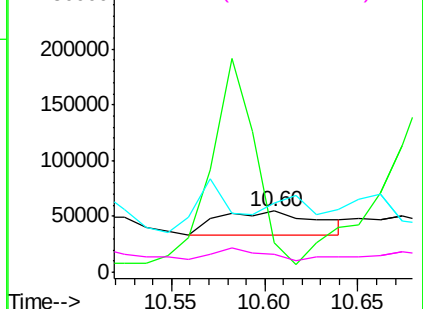
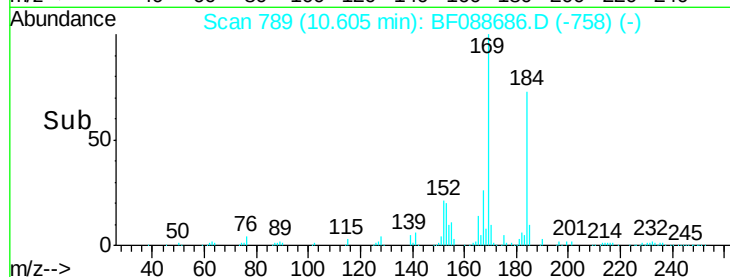


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.36 min Scan# 855

Delta R.T. 0.03 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

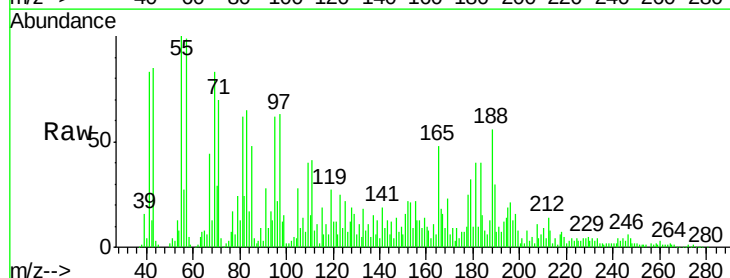
Tgt Ion: 188 Resp: 111504

Ion Ratio Lower Upper

188 100

94 22.8 9.0 13.6#

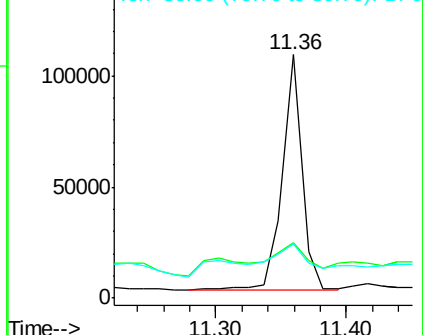
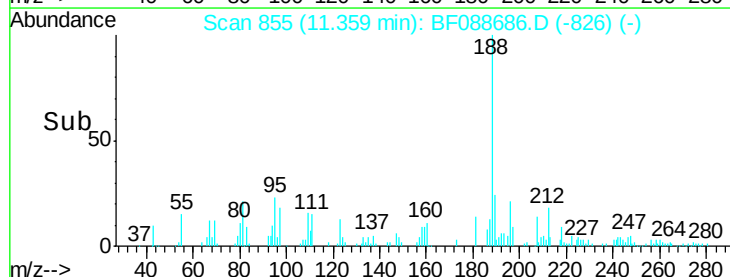
80 22.4 10.0 15.0#

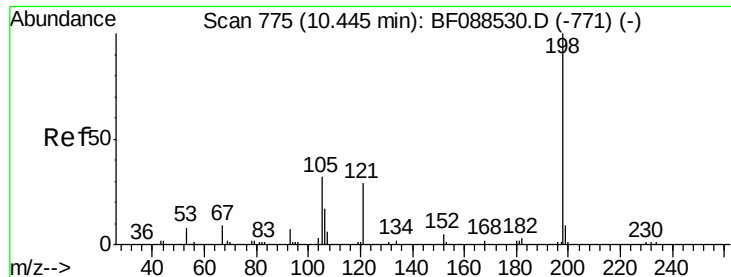


Abundance Ion 188.00 (187.70 to 188.70): E

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: 6.23 ng

RT: 10.50 min Scan# 780

Delta R.T. 0.06 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

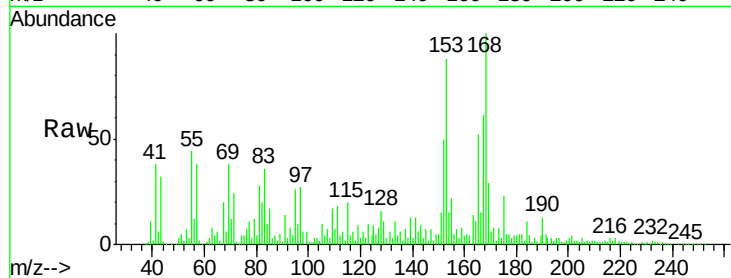
Tgt Ion:198 Resp: 3715

Ion Ratio Lower Upper

198 100

51 366.8 39.6 79.6#

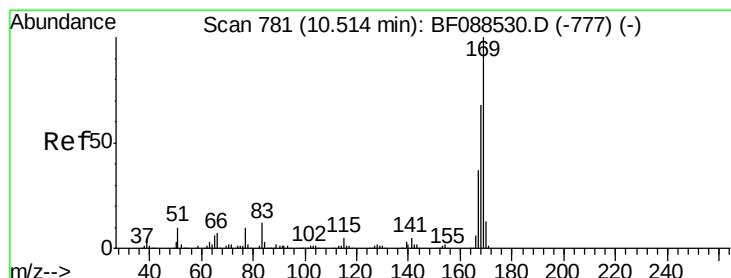
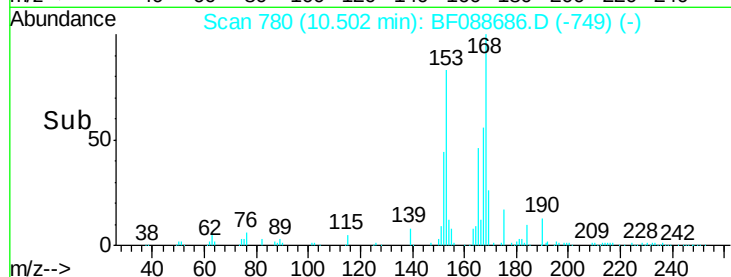
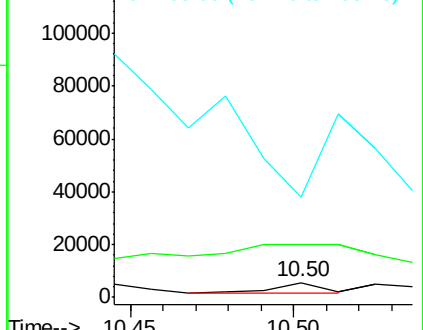
105 687.4 36.6 76.6#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#65

n-Nitrosodiphenylamine

Concen: 187.75 ng

RT: 10.55 min Scan# 784

Delta R.T. 0.03 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

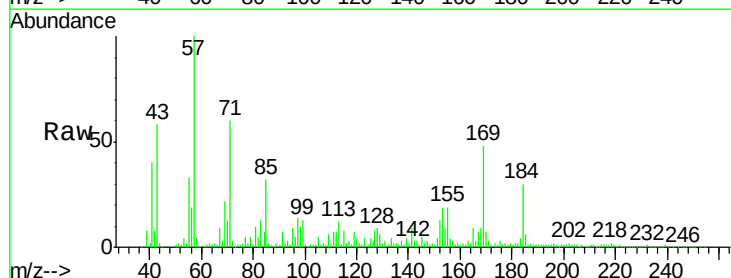
Tgt Ion:169 Resp: 708536

Ion Ratio Lower Upper

169 100

168 19.7 53.4 80.0#

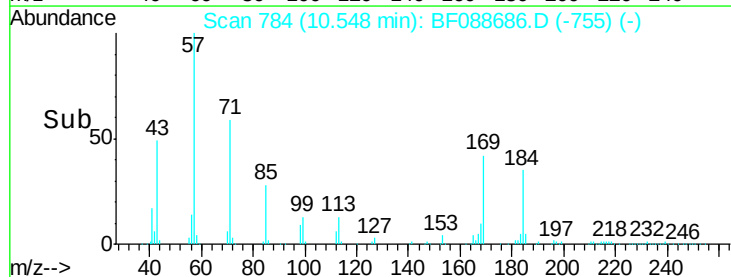
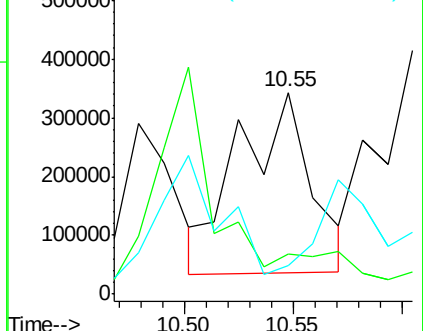
167 13.9 29.4 44.0#

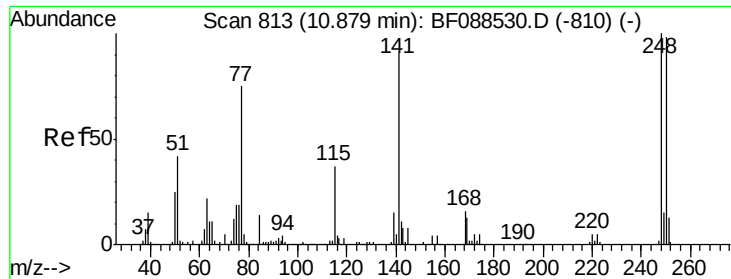


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

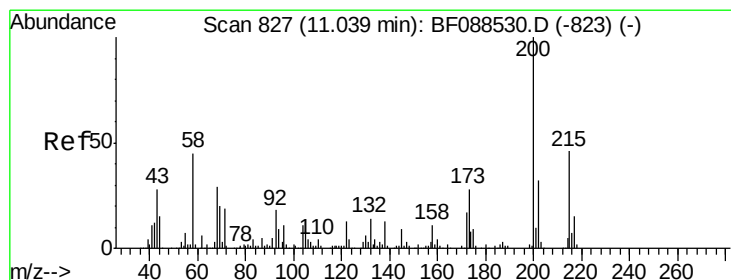
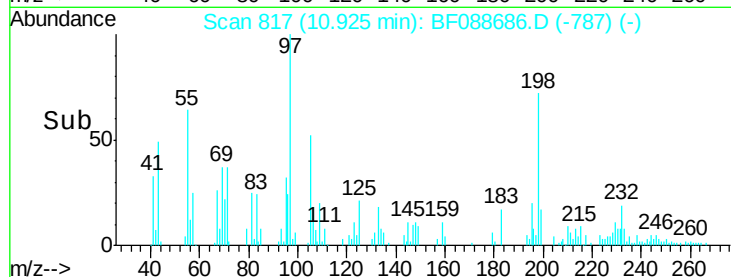
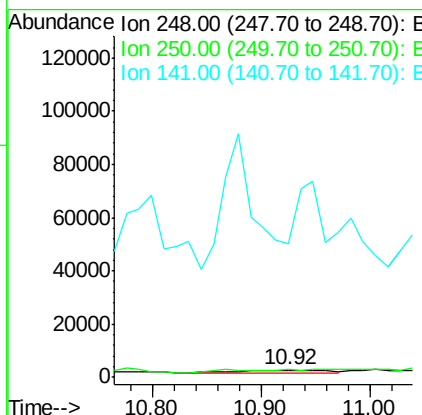
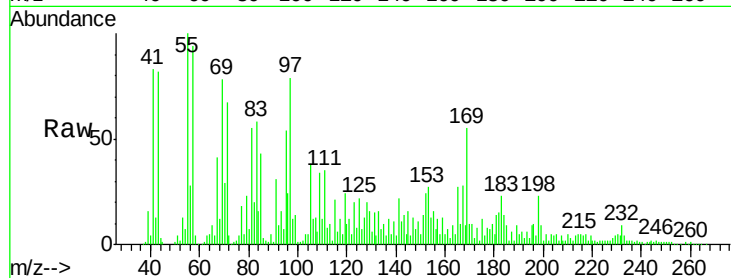




#66
4-Bromophenyl-phenylether
Concen: 6.28 ng
RT: 10.92 min Scan# 817
Delta R.T. 0.05 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

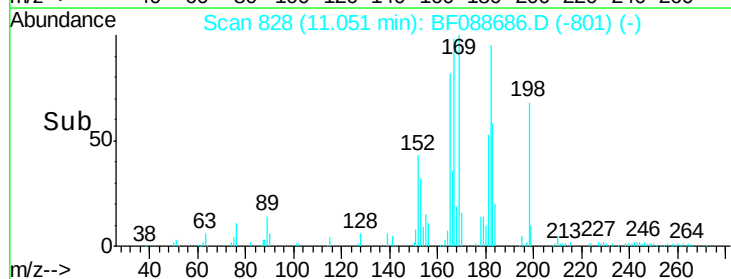
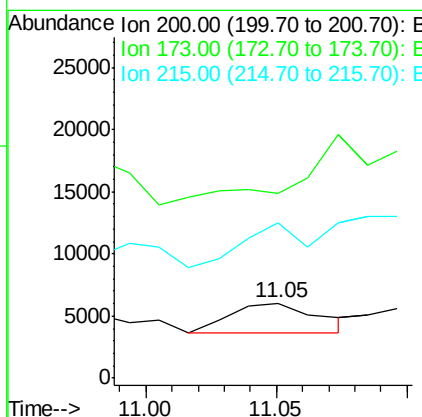
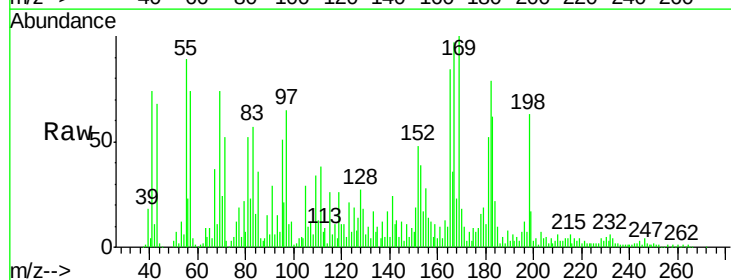
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

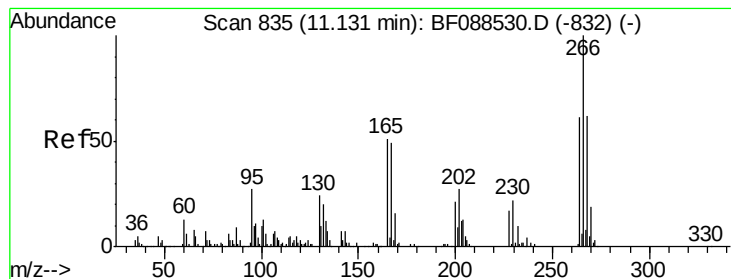
Tgt Ion:248 Resp: 7056
Ion Ratio Lower Upper
248 100
250 115.0 77.1 115.7
141 1851.7 50.6 76.0#



#68
Atrazine
Concen: 4.93 ng
RT: 11.05 min Scan# 828
Delta R.T. 0.01 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion:200 Resp: 5797
Ion Ratio Lower Upper
200 100
173 244.9 4.0 44.0#
215 205.7 29.3 69.3#





#69

Pentachlorophenol

Concen: 2.06 ng

RT: 11.21 min Scan# 842

Delta R.T. 0.08 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

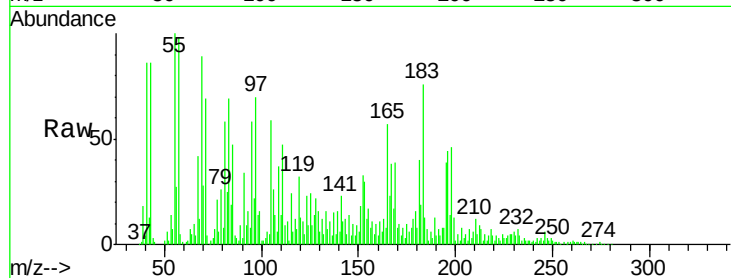
Tgt Ion:266 Resp: 1519

Ion Ratio Lower Upper

266 100

268 15.8 52.8 79.2#

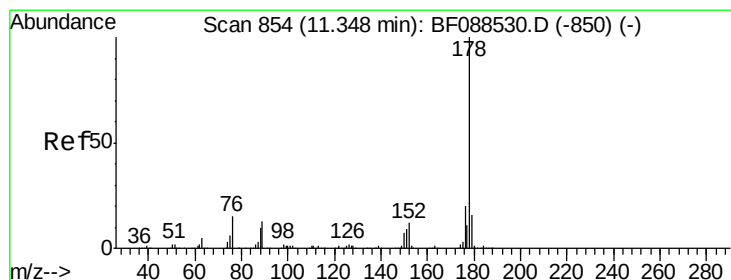
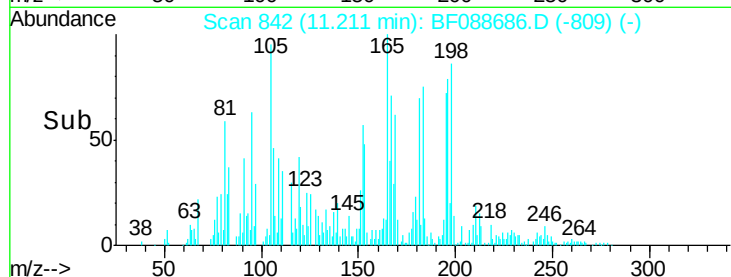
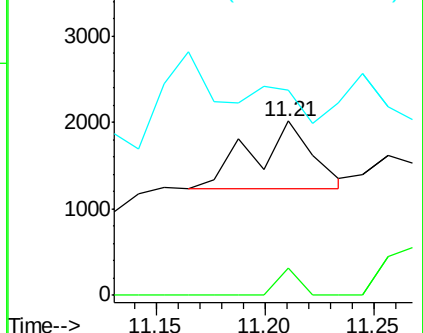
264 117.6 49.6 74.4#



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: 76.00 ng

RT: 11.38 min Scan# 857

Delta R.T. 0.03 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

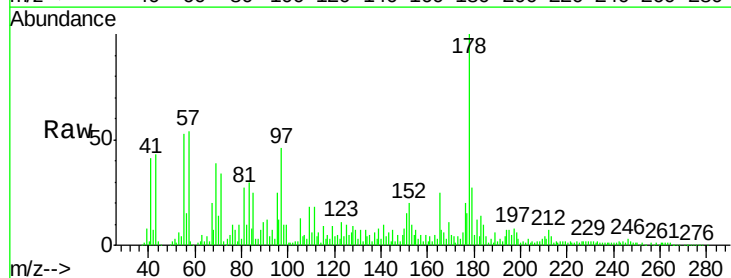
Tgt Ion:178 Resp: 463228

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.6

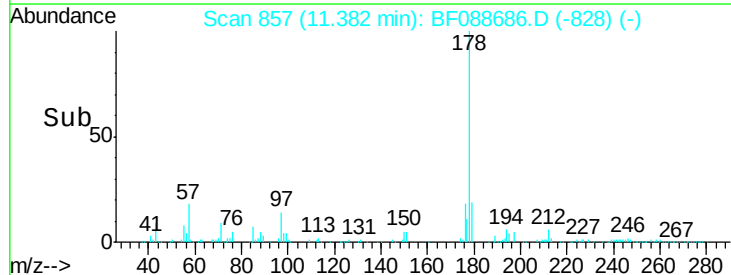
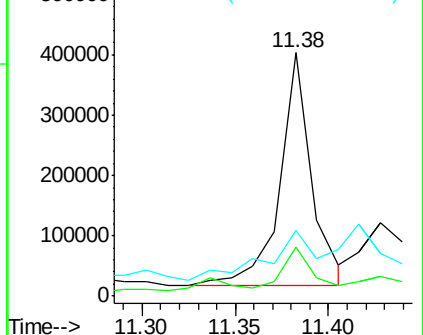
179 27.1 13.0 19.4#

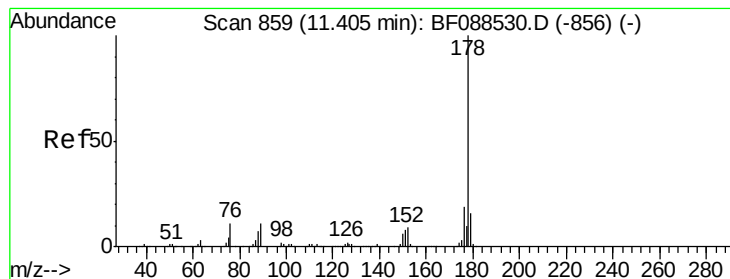


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 15.77 ng

RT: 11.43 min Scan# 861

Delta R.T. 0.02 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

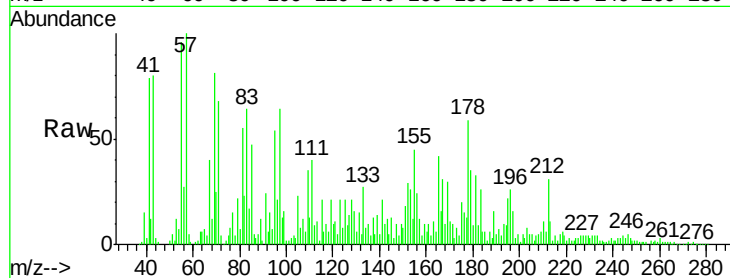
Tgt Ion:178 Resp: 95588

Ion Ratio Lower Upper

178 100

176 26.1 15.6 23.4#

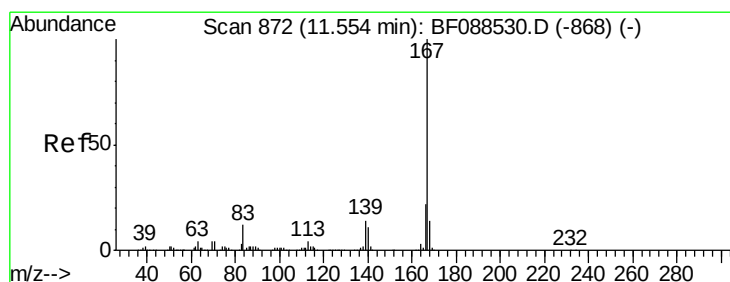
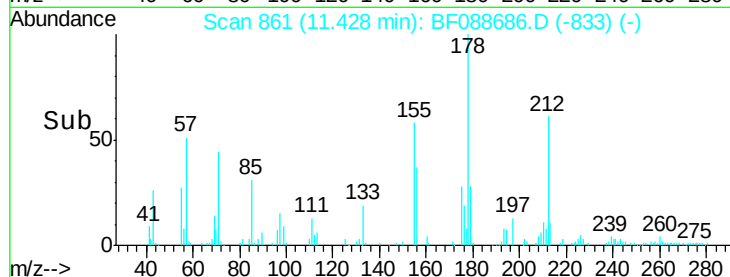
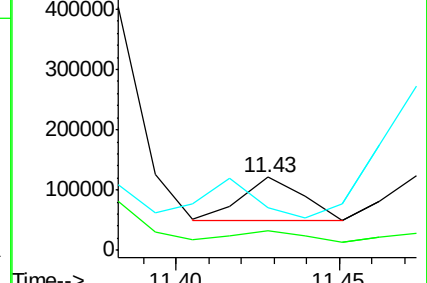
179 58.7 12.8 19.2#



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



#72

Carbazole

Concen: 3.68 ng

RT: 11.65 min Scan# 880

Delta R.T. 0.09 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

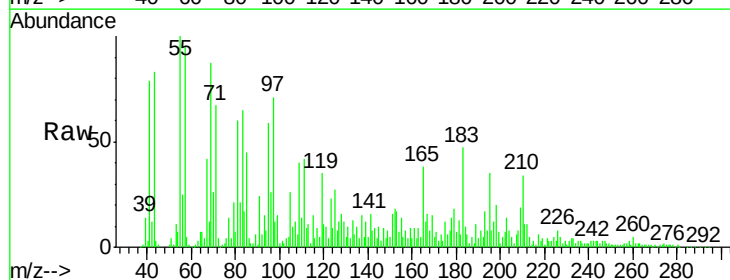
Tgt Ion:167 Resp: 20989

Ion Ratio Lower Upper

167 100

166 77.9 17.8 26.6#

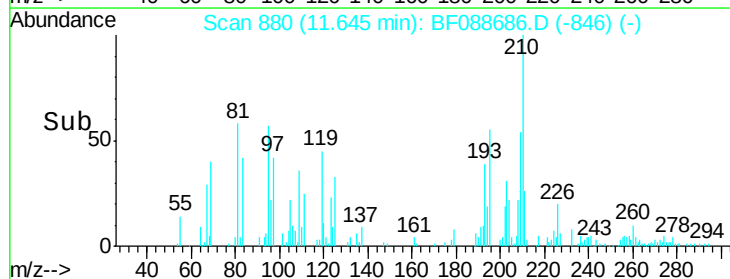
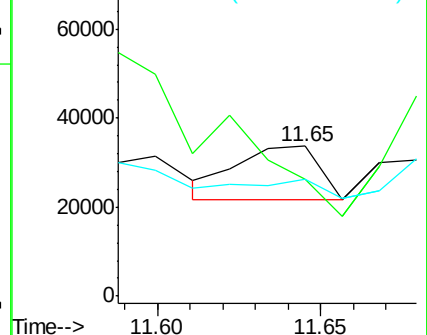
139 78.3 11.2 16.8#

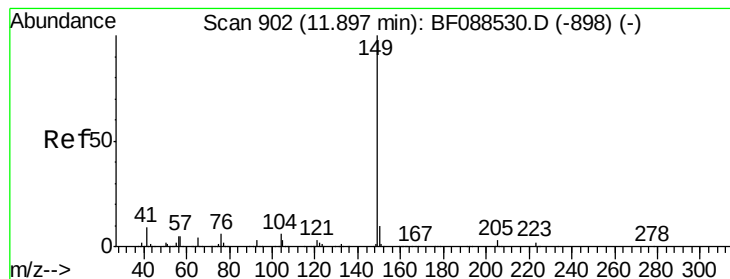


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 4.53 ng

RT: 11.90 min Scan# 902

Delta R.T. 0.00 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)

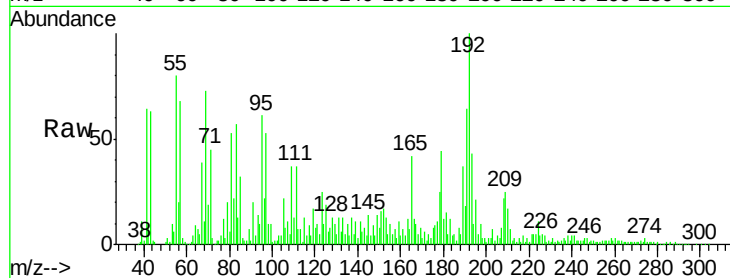
Tgt Ion:149 Resp: 30081

Ion Ratio Lower Upper

149 100

150 56.2 7.8 11.6#

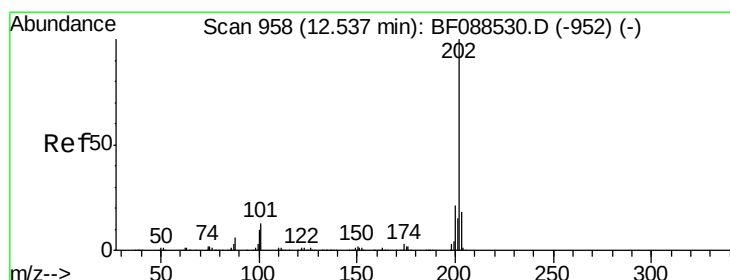
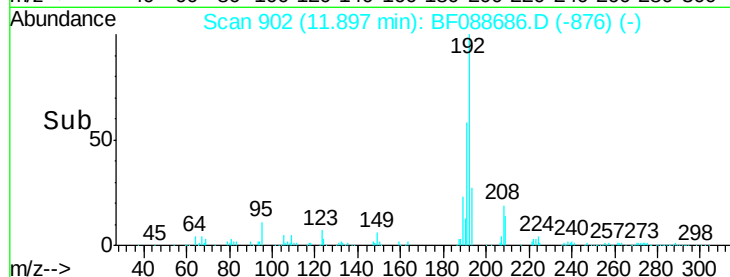
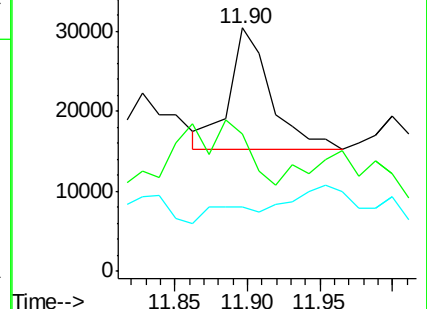
104 26.6 4.0 6.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 24.78 ng

RT: 12.78 min Scan# 979

Delta R.T. 0.24 min

Lab File: BF088686.D

Acq: 4 Jul 2016 10:40

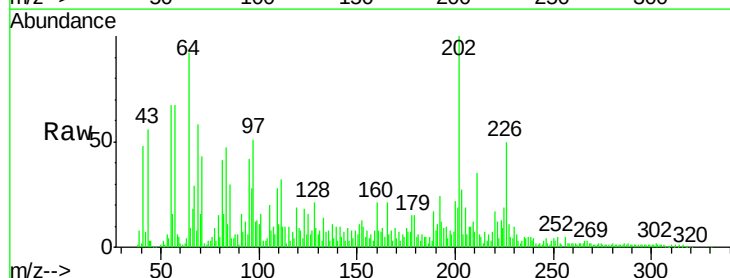
Tgt Ion:202 Resp: 153116

Ion Ratio Lower Upper

202 100

101 15.7 0.0 33.1

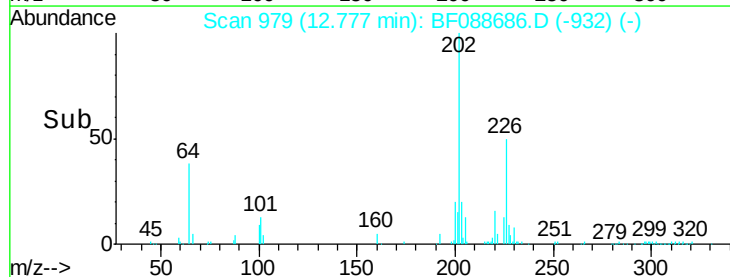
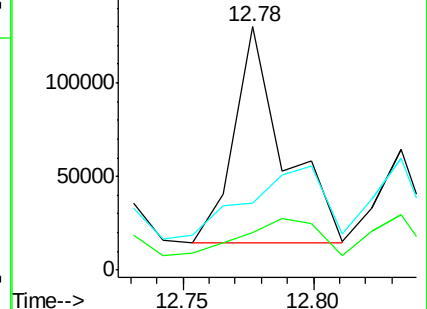
203 27.4 0.0 38.1

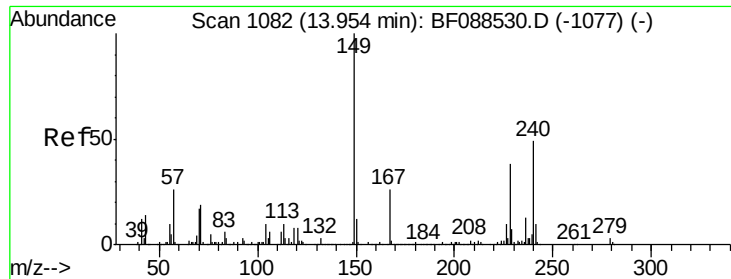


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

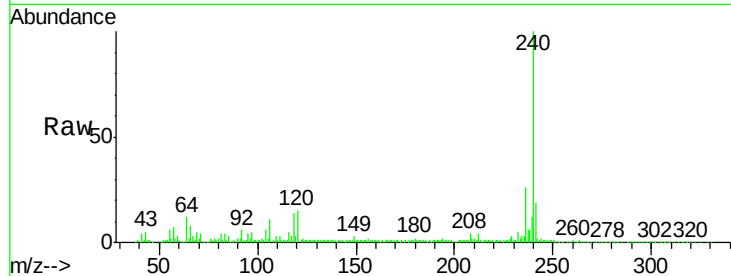




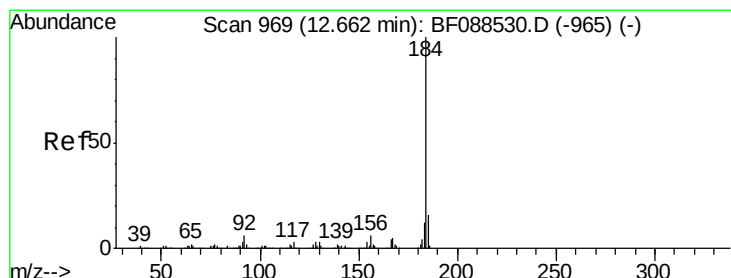
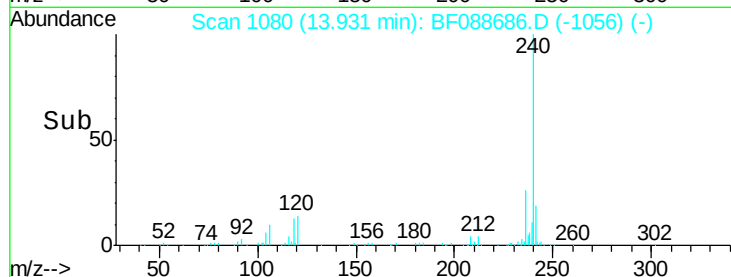
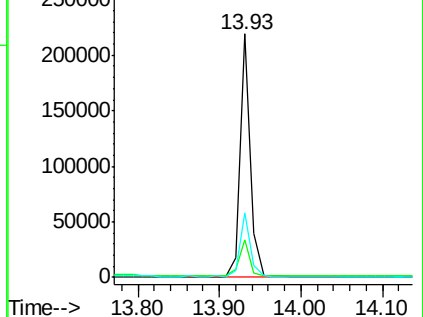
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.93 min Scan# 1080
Delta R.T. -0.02 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

Tgt Ion:240 Resp: 191314
Ion Ratio Lower Upper
240 100
120 15.3 6.8 10.2#
236 26.3 20.2 30.2

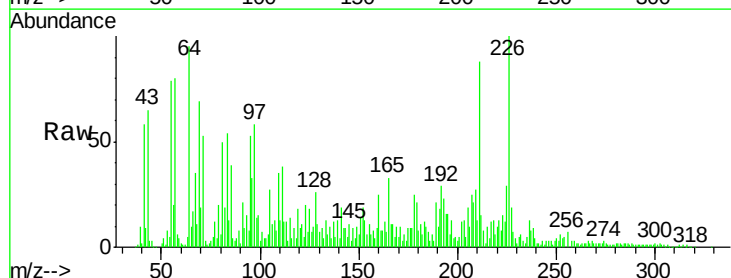


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

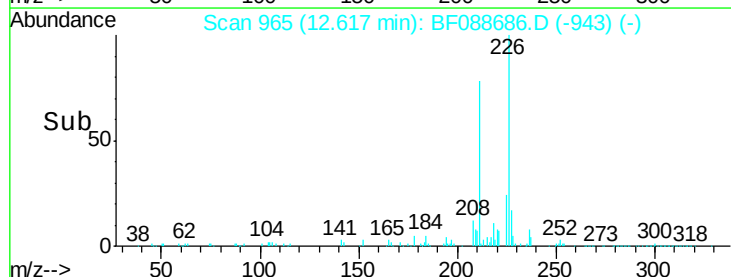
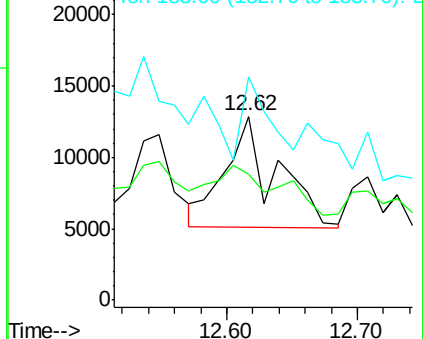


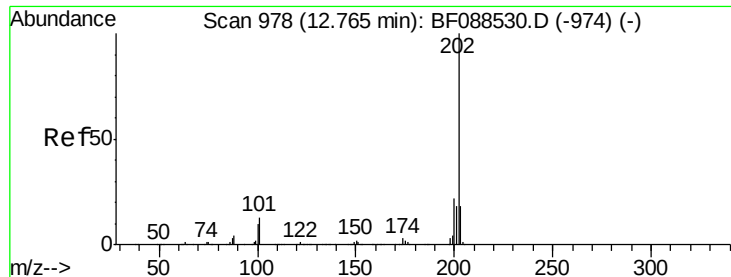
#76
Benzidine
Concen: 2.20 ng
RT: 12.62 min Scan# 965
Delta R.T. -0.05 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Tgt Ion:184 Resp: 21241
Ion Ratio Lower Upper
184 100
185 68.7 12.5 18.7#
183 121.5 9.3 13.9#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E

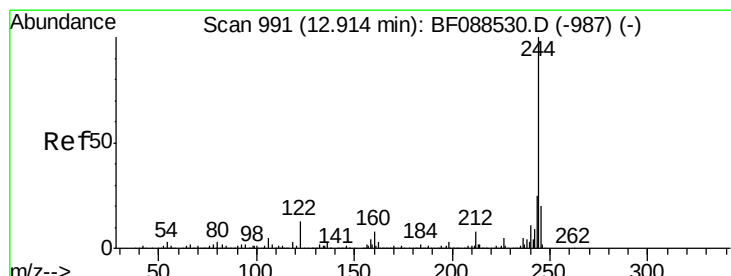
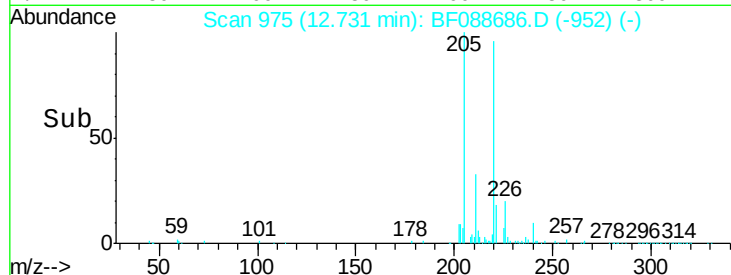
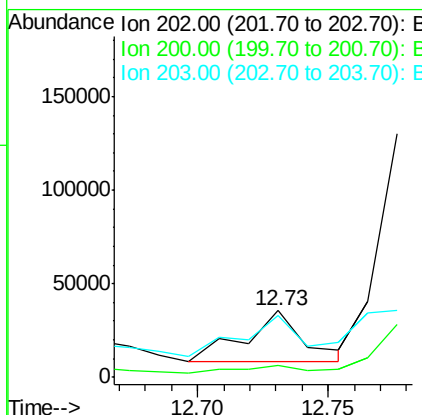
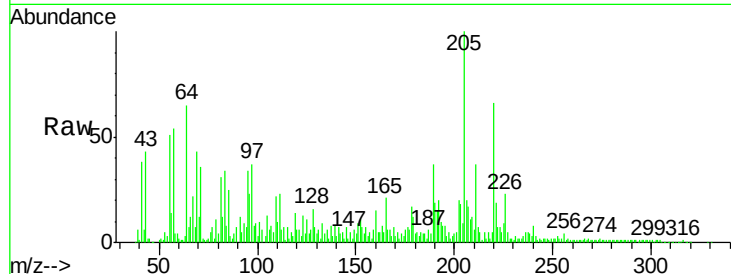




#77
 Pyrene
 Concen: 2.69 ng
 RT: 12.73 min Scan# 975
 Delta R.T. -0.03 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

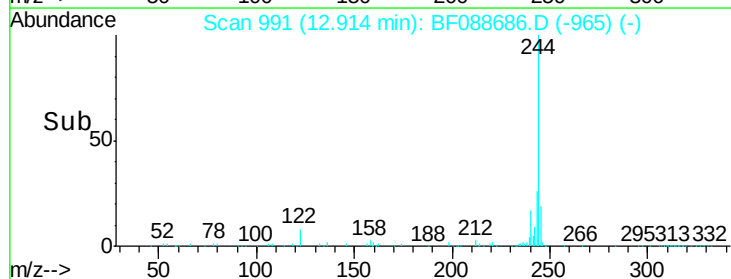
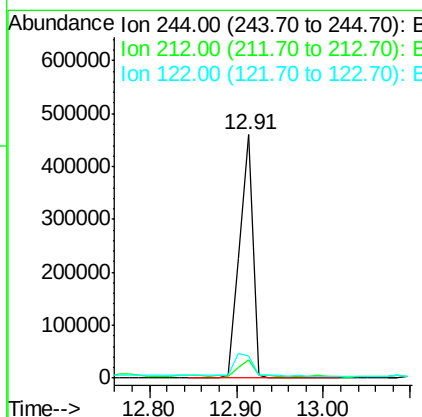
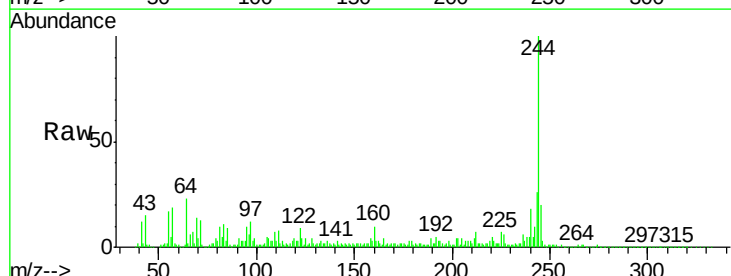
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(13-15)

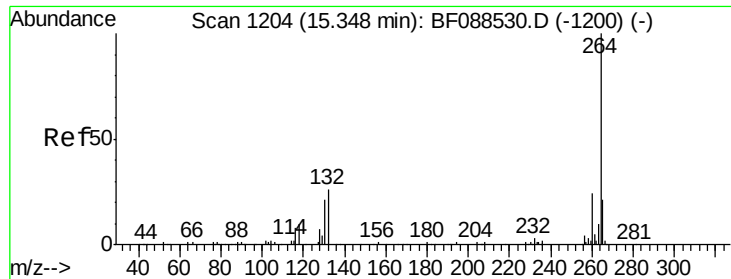
Tgt Ion:202 Resp: 43620
 Ion Ratio Lower Upper
 202 100
 200 18.3 17.4 26.2
 203 93.2 14.5 21.7#



#78
 Terphenyl-d14
 Concen: 55.87 ng
 RT: 12.91 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: BF088686.D
 Acq: 4 Jul 2016 10:40

Tgt Ion:244 Resp: 479856
 Ion Ratio Lower Upper
 244 100
 212 7.5 6.0 9.0
 122 8.9 11.2 16.8#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF088686.D
Acq: 4 Jul 2016 10:40

Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.5	16.9	25.3

