

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070516\
 Data File : BF088720.D
 Acq On : 5 Jul 2016 23:37
 Operator : UM/SJ
 Sample : H3769-04RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 06 01:40:37 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 05 17:15:08 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	86805	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	275089	20.00	ng	0.01
38) Acenaphthene-d10	9.88	164	52597	20.00	ng	0.07
63) Phenanthrene-d10	11.36	188	120138	20.00	ng	0.07
75) Chrysene-d12	13.92	240	190490	20.00	ng	0.00
86) Perylene-d12	15.30	264	200631	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.37	112	640933	110.66	ng	0.00
7) Phenol-d6	6.41	99	701563	93.74	ng	0.00
23) Nitrobenzene-d5	7.35	82	499643	95.18	ng	0.00
41) 2,4,6-Tribromophenol	10.67	330	104180	213.30	ng	0.07
44) 2-Fluorobiphenyl	9.19	172	365951	109.90	ng	0.05
78) Terphenyl-d14	12.90	244	492378	57.57	ng	0.03

Target Compounds

						Qvalue
15) Benzyl Alcohol	6.94	79	26235	4.76	ng	# 46
18) Hexachloroethane	7.36	117	150470	57.21	ng	# 11
19) n-Nitroso-di-n-propylamine	7.22	70	55042	10.95	ng	# 63
22) Acetophenone	7.13	105	101426	15.19	ng	# 48
24) Nitrobenzene	7.32	77	52010	9.83	ng	# 1
25) Isophorone	7.60	82	155895	16.03	ng	# 1
26) 2-Nitrophenol	7.64	139	34236	15.77	ng	# 1
27) 2,4-Dimethylphenol	7.74	122	47776	10.57	ng	# 1
28) bis(2-Chloroethoxy)methane	7.88	93	46546	7.36	ng	# 1
29) 2,4-Dichlorophenol	7.94	162	18702	5.12	ng	# 1
30) 1,2,4-Trichlorobenzene	8.00	180	21447	5.35	ng	# 54
31) Naphthalene	8.08	128	77733	5.73	ng	# 1
32) Benzoic acid	7.88	122	24226	7.38	ng	# 6
33) 4-Chloroaniline	8.14	127	86869	14.40	ng	# 1
35) Caprolactam	8.56	113	255435	205.87	ng	# 1
36) 4-Chloro-3-methylphenol	8.65	107	41996	9.72	ng	# 29
37) 2-Methylnaphthalene	8.82	142	31376	3.59	ng	# 1
42) 2,4,6-Trichlorophenol	9.12	196	13084	11.34	ng	# 11
43) 2,4,5-Trichlorophenol	9.12	196	12859	12.96	ng	# 1
46) 2-Chloronaphthalene	9.30	162	12104	3.54	ng	# 1
47) 2-Nitroaniline	9.43	65	17646	14.54	ng	# 37
48) Acenaphthylene	9.75	152	59441	10.93	ng	# 1
49) Dimethylphthalate	9.58	163	62159	16.59	ng	# 14
50) 2,6-Dinitrotoluene	9.70	165	48315	58.18	ng	# 85
51) Acenaphthene	9.92	154	128469	38.52	ng	# 54
52) 3-Nitroaniline	9.85	138	75993	71.98	ng	# 29
53) 2,4-Dinitrophenol	9.94	184	2205	6.01	ng	# 1
54) Dibenzofuran	10.09	168	182691	41.85	ng	# 1
55) 4-Nitrophenol	10.00	139	71880	89.59	ng	# 17
56) 2,4-Dinitrotoluene	10.14	165	67415	62.09	ng	# 62
57) Fluorene	10.43	166	252692	75.12	ng	# 62
58) 2,3,4,6-Tetrachlorophenol	10.20	232	6971	9.08	ng	# 1
59) Diethylphthalate	10.34	149	27564	7.33	ng	# 1
60) 4-Chlorophenyl-phenylether	10.44	204	3691	2.36	ng	# 1

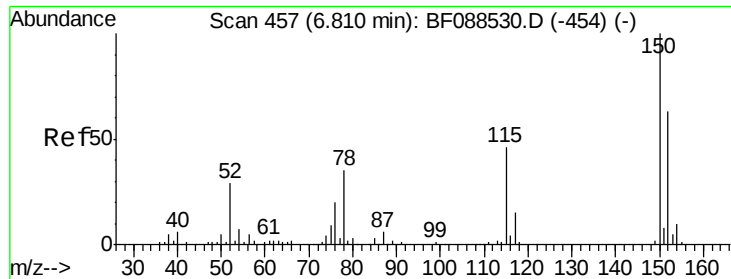
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070516\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 4-Nitroaniline	10.35	138	72420	71.28	ng	83
62) Azobenzene	10.60	77	73388	17.11	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.42	198	9506	14.79	ng	# 1
65) n-Nitrosodiphenylamine	10.55	169	650677	160.03	ng	# 55
66) 4-Bromophenyl-phenylether	10.92	248	6948	5.74	ng	# 1
68) Atrazine	11.05	200	11645	9.19	ng	# 1
69) Pentachlorophenol	11.21	266	5474	6.90	ng	# 31
70) Phenanthrene	11.38	178	493257	75.11	ng	# 86
71) Anthracene	11.43	178	115346	17.66	ng	# 45
72) Carbazole	11.63	167	21549	3.51	ng	# 1
73) Di-n-butylphthalate	11.90	149	35630	4.98	ng	# 26
74) Fluoranthene	12.76	202	159617	23.97	ng	80
76) Benzidine	12.60	184	20545	2.13	ng	# 1
77) Pyrene	12.72	202	36494	2.26	ng	# 20

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 454

Delta R.T. -0.00 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

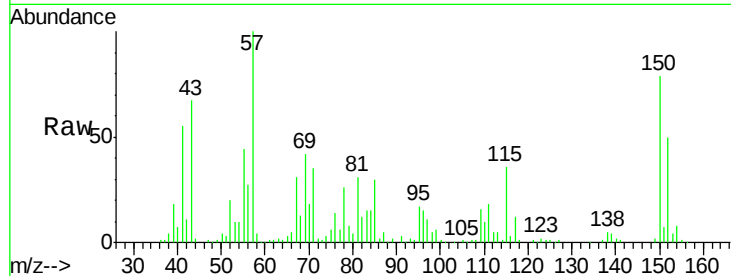
Tgt Ion:152 Resp: 86805

Ion Ratio Lower Upper

152 100

150 159.3 123.8 185.6

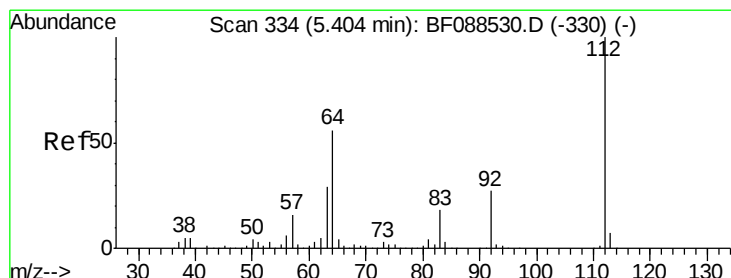
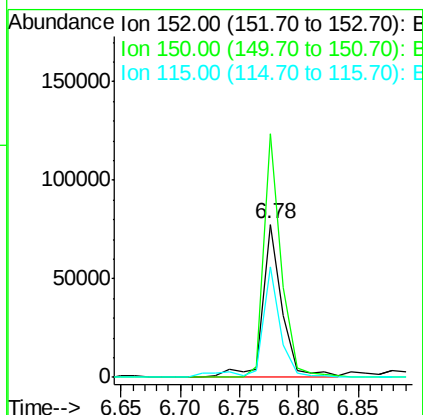
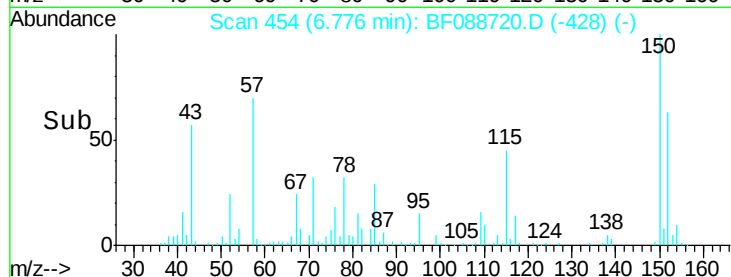
115 72.2 39.6 59.4#



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: 110.66 ng

RT: 5.37 min Scan# 331

Delta R.T. -0.00 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

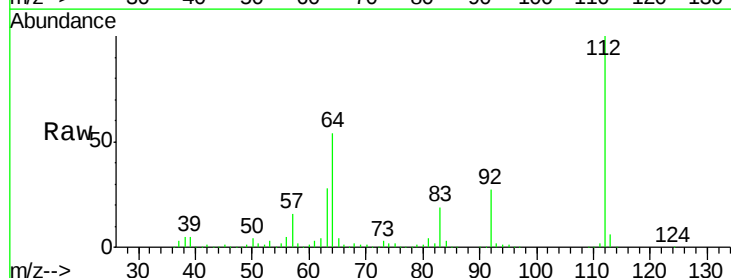
Tgt Ion:112 Resp: 640933

Ion Ratio Lower Upper

112 100

64 53.7 42.2 63.2

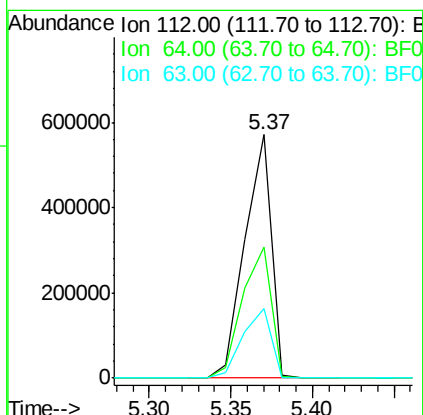
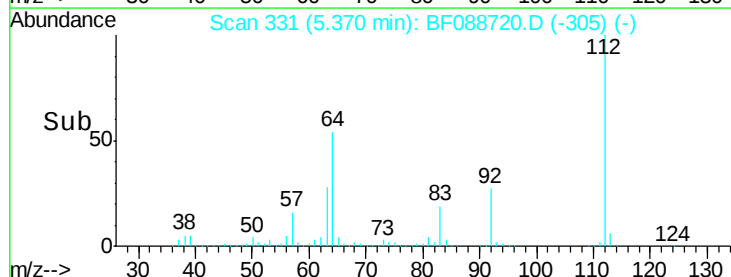
63 28.4 21.8 32.8

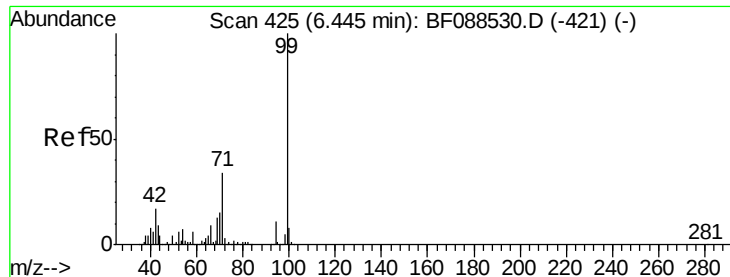


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.74 ng

RT: 6.41 min Scan# 422

Delta R.T. -0.00 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

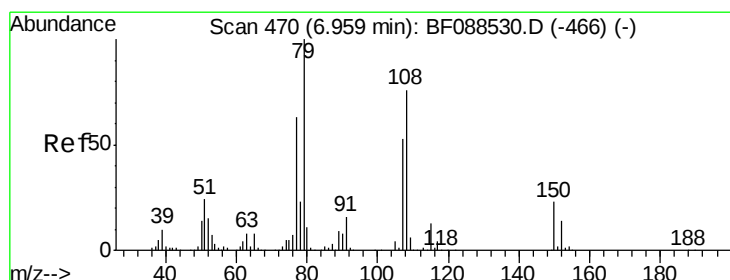
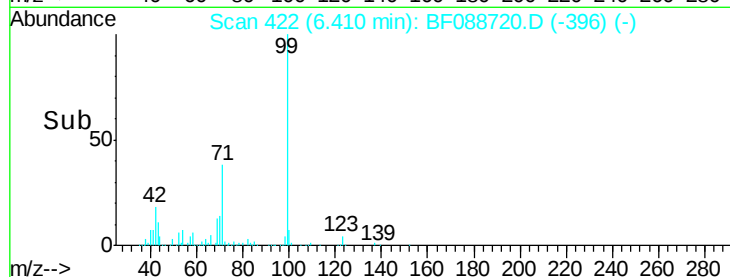
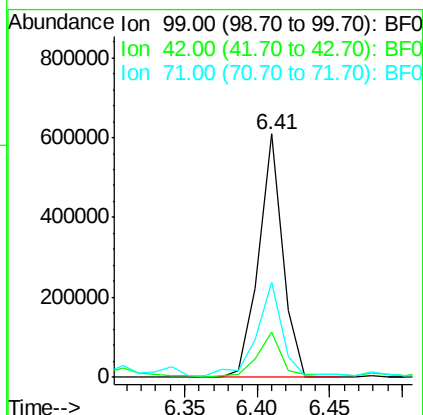
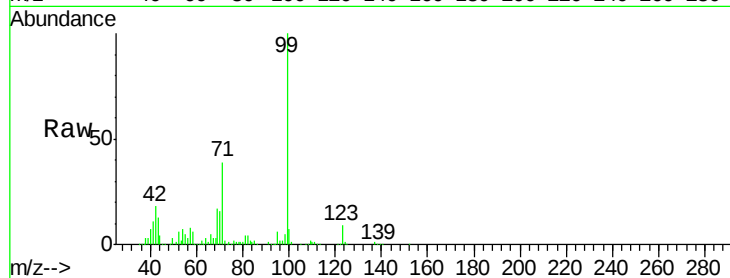
Tgt Ion: 99 Resp: 701563

Ion Ratio Lower Upper

99 100

42 18.5 12.2 18.2#

71 38.9 23.4 35.0#



#15

Benzyl Alcohol

Concen: 4.76 ng

RT: 6.94 min Scan# 468

Delta R.T. 0.01 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

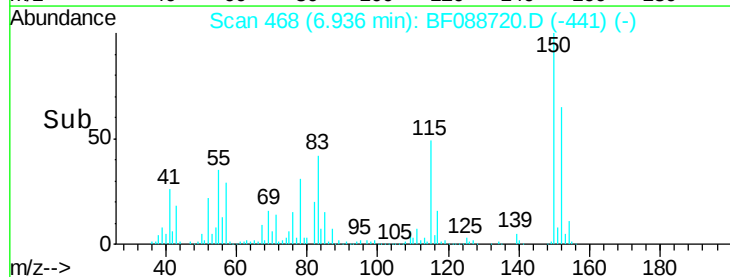
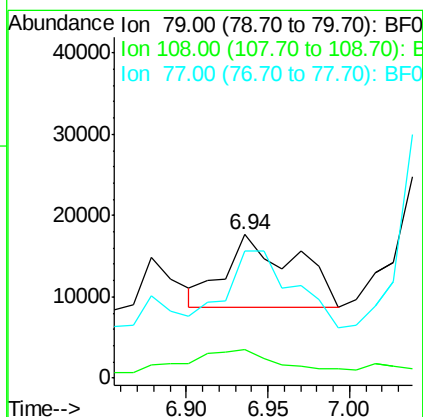
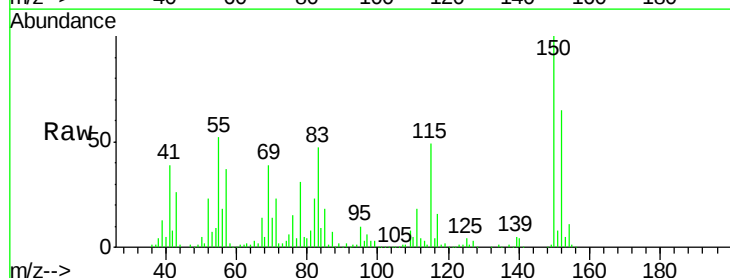
Tgt Ion: 79 Resp: 26235

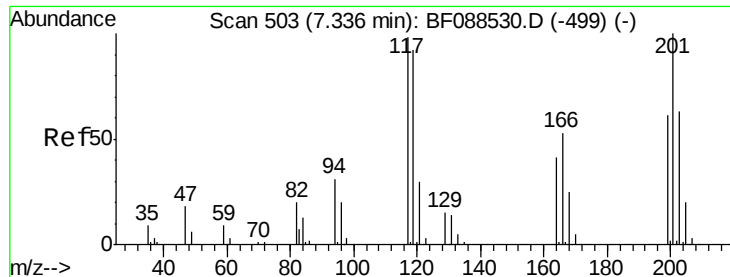
Ion Ratio Lower Upper

79 100

108 19.7 65.0 97.6#

77 88.8 50.3 75.5#

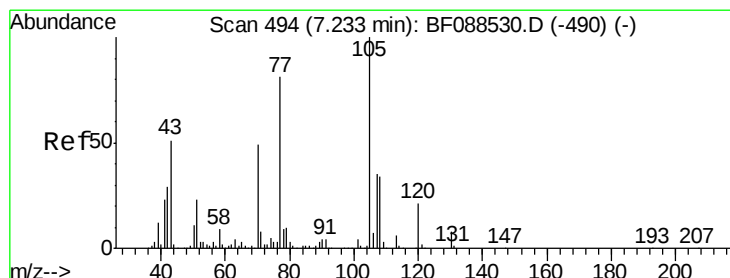
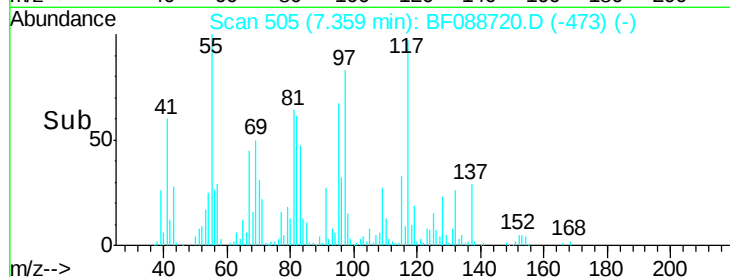
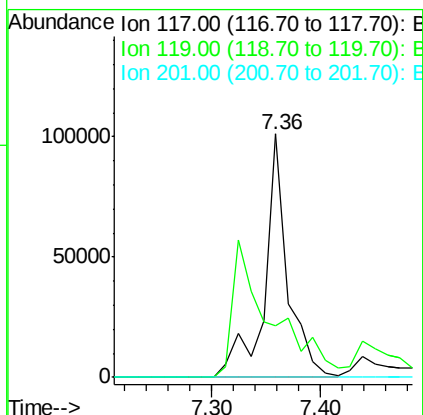
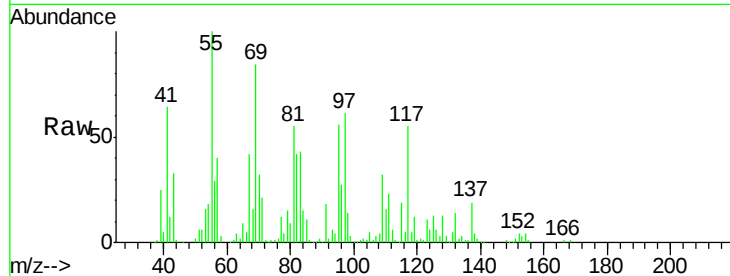




#18
Hexachloroethane
Concen: 57.21 ng
RT: 7.36 min Scan# 505
Delta R.T. 0.07 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

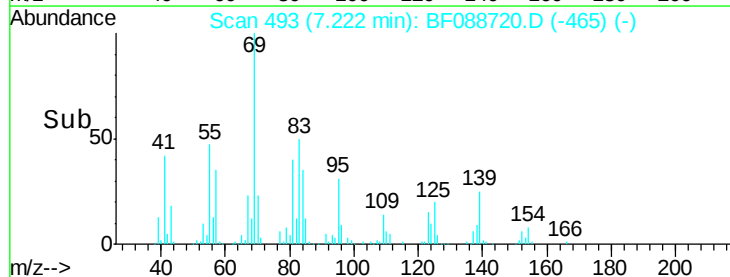
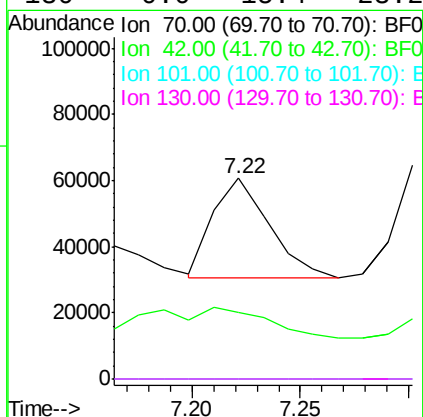
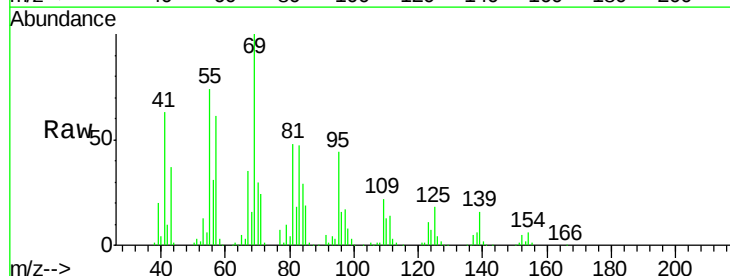
Instrument :
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EPCH-B2(13-15)RE

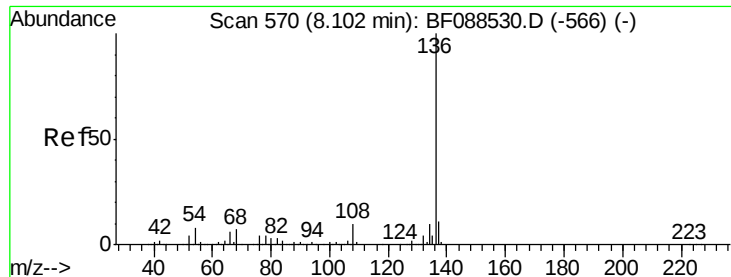
Tgt Ion: 117 Resp: 150470
Ion Ratio Lower Upper
117 100
119 21.1 77.4 116.2#
201 0.0 80.4 120.6#



#19
n-Nitroso-di-n-propylamine
Concen: 10.95 ng
RT: 7.22 min Scan# 493
Delta R.T. 0.02 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

Tgt Ion: 70 Resp: 55042
Ion Ratio Lower Upper
70 100
42 33.3 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#

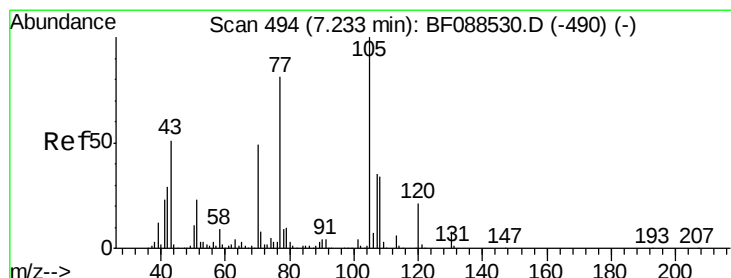
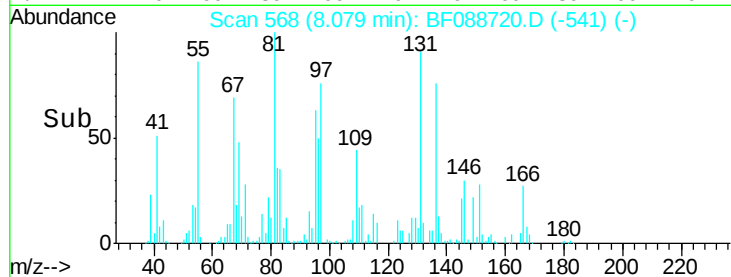
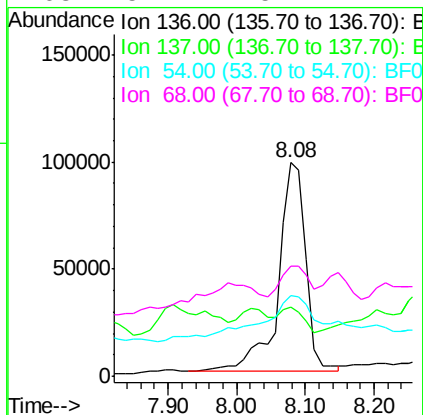
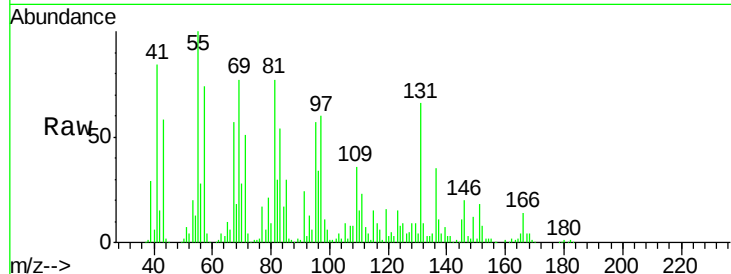




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

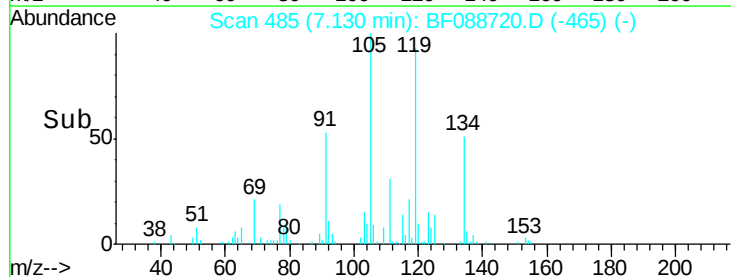
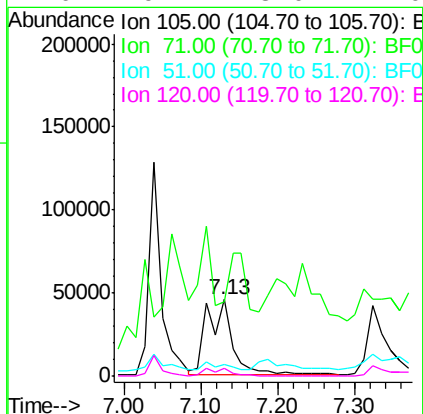
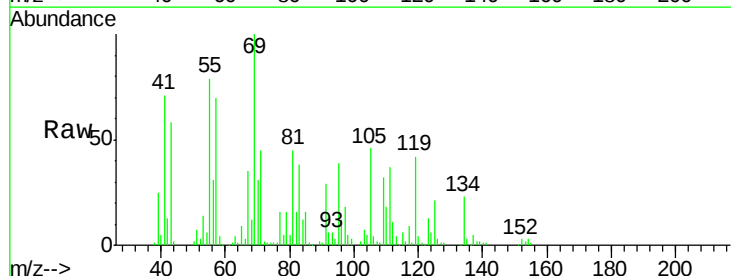
Instrument :
BNA_F
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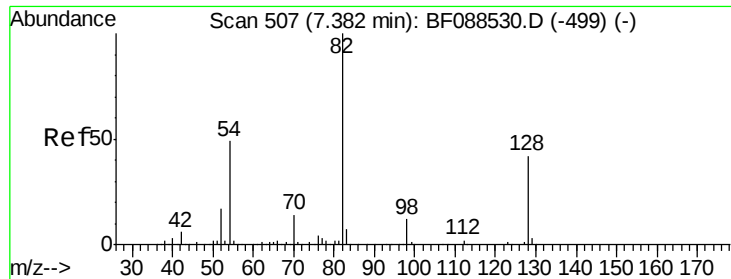
Tgt Ion:	136	Resp:	275089
Ion	Ratio	Lower	Upper
136	100		
137	32.1	9.1	13.7#
54	38.0	6.6	10.0#
68	51.4	5.1	7.7#



#22
Acetophenone
Concen: 15.19 ng
RT: 7.13 min Scan# 485
Delta R.T. -0.07 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

Tgt Ion:	105	Resp:	101426
Ion	Ratio	Lower	Upper
105	100		
71	98.1	5.3	7.9#
51	15.7	18.2	27.4#
120	9.4	18.0	27.0#

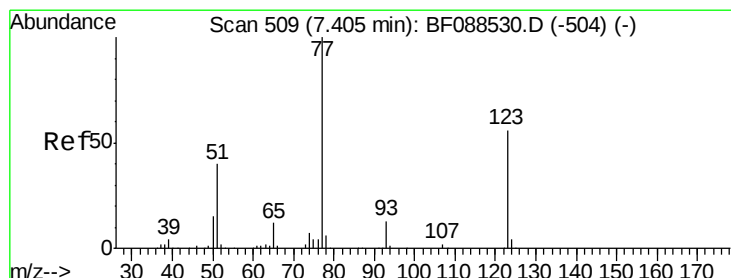
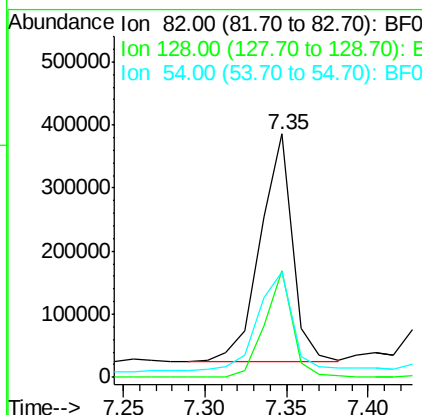
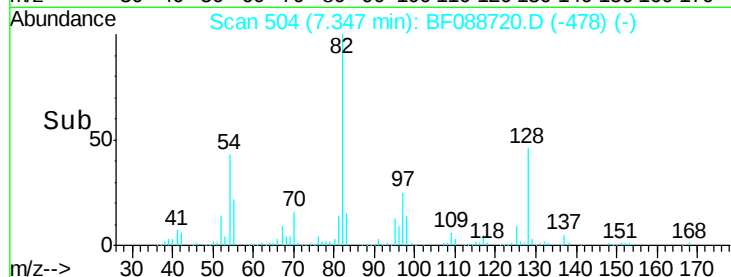
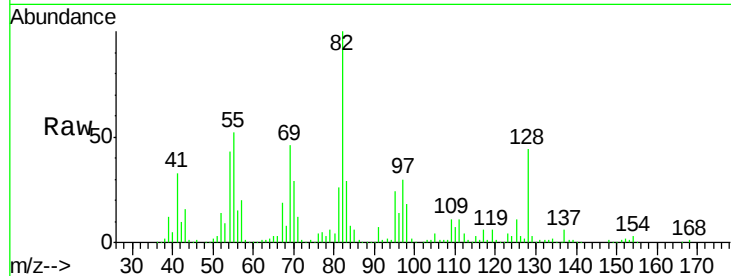




#23
 Nitrobenzene-d5
 Concen: 95.18 ng
 RT: 7.35 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: BF088720.D
 Acq: 5 Jul 2016 23:37

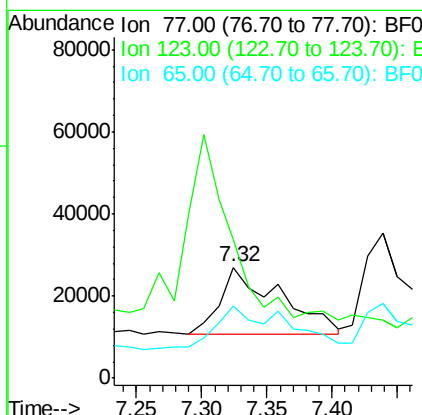
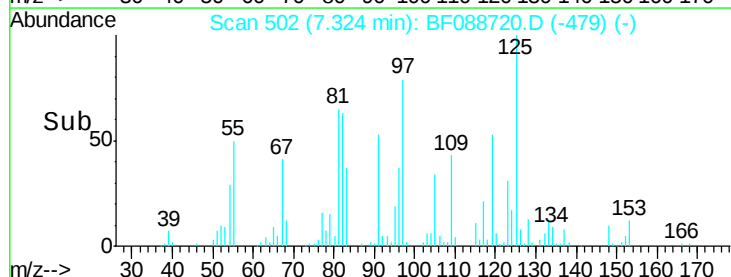
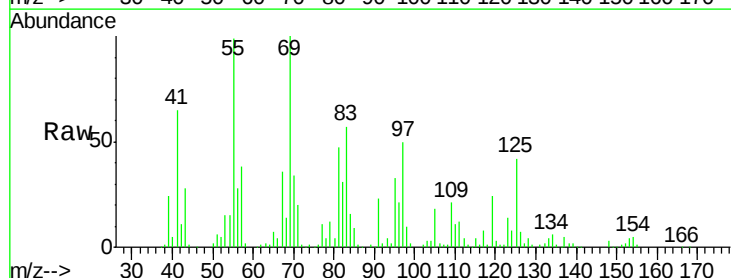
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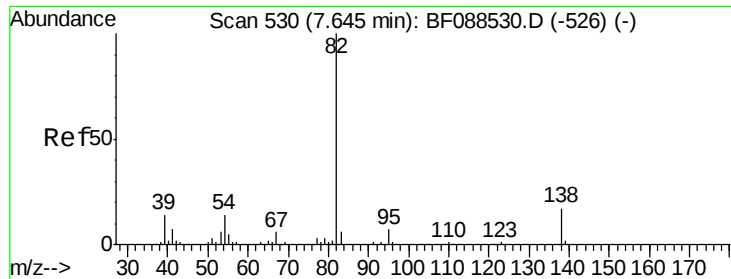
Tgt Ion: 82 Resp: 499643
 Ion Ratio Lower Upper
 82 100
 128 43.8 35.9 53.9
 54 43.2 40.9 61.3



#24
 Nitrobenzene
 Concen: 9.83 ng
 RT: 7.32 min Scan# 502
 Delta R.T. -0.03 min
 Lab File: BF088720.D
 Acq: 5 Jul 2016 23:37

Tgt Ion: 77 Resp: 52010
 Ion Ratio Lower Upper
 77 100
 123 125.7 45.0 67.4#
 65 65.2 10.2 15.2#





#25

Isophorone

Concen: 16.03 ng

RT: 7.60 min Scan# 526

Delta R.T. -0.01 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

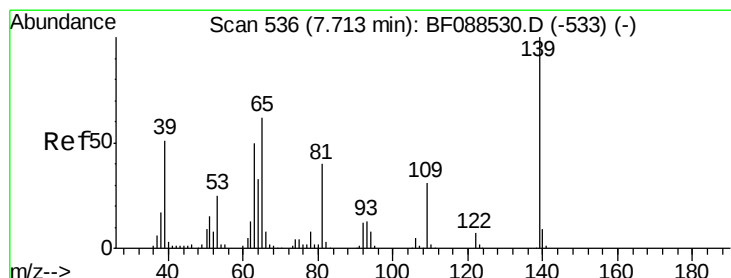
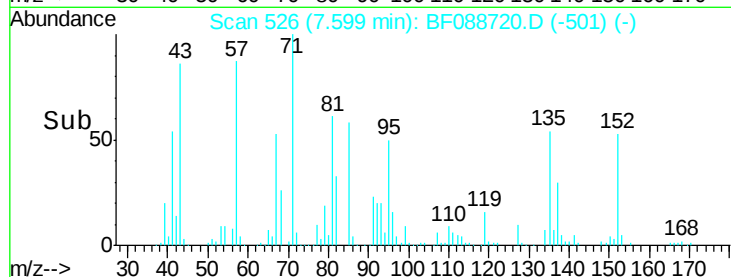
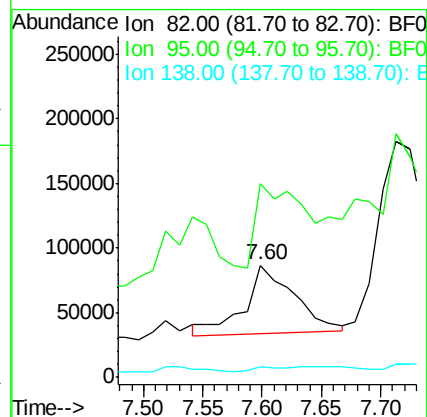
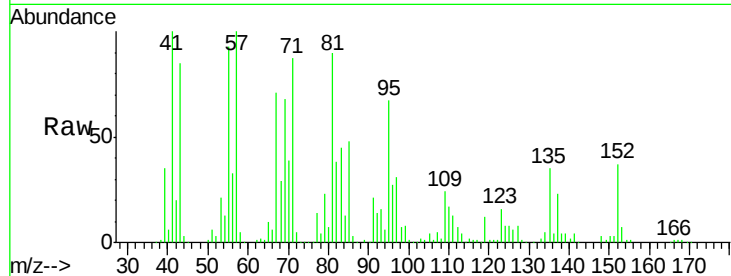
Tgt Ion: 82 Resp: 155895

Ion Ratio Lower Upper

82 100

95 173.7 5.4 8.2#

138 9.8 14.6 21.8#



#26

2-Nitrophenol

Concen: 15.77 ng

RT: 7.64 min Scan# 530

Delta R.T. -0.03 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

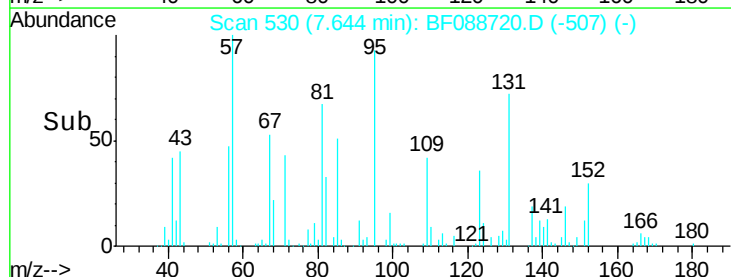
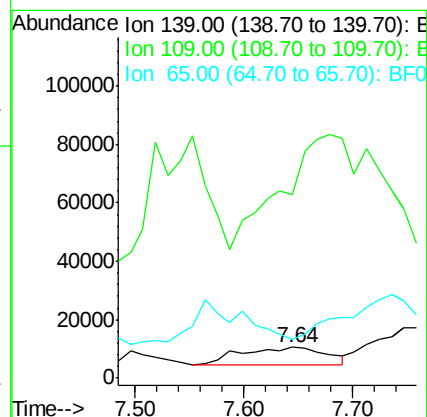
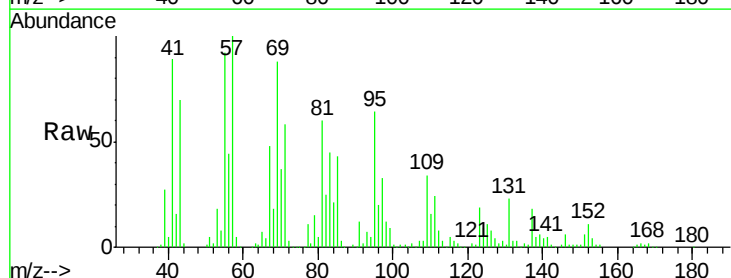
Tgt Ion: 139 Resp: 34236

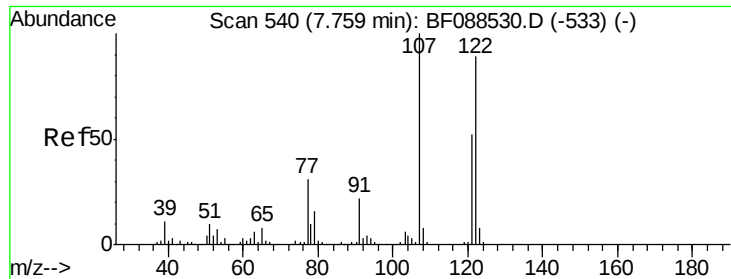
Ion Ratio Lower Upper

139 100

109 598.5 23.0 34.4#

65 125.0 45.8 68.8#

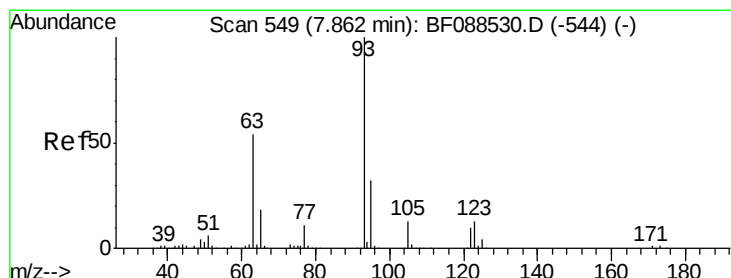
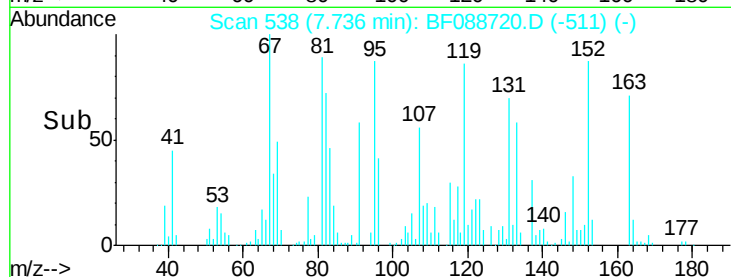
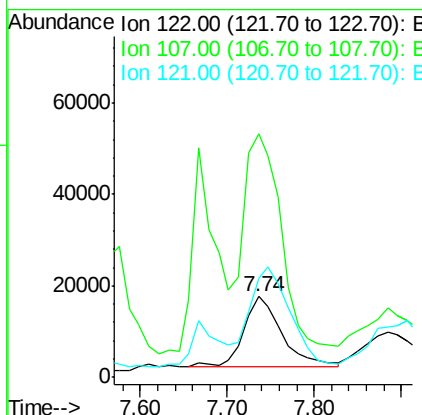
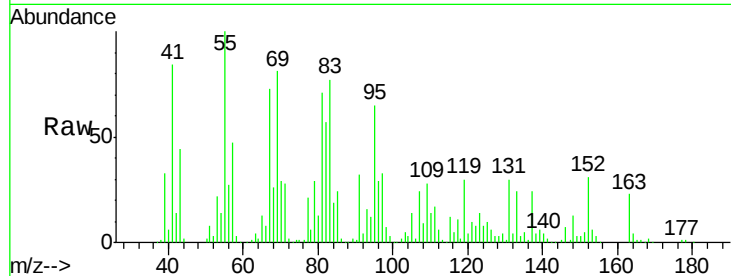




#27
 2,4-Dimethylphenol
 Concen: 10.57 ng
 RT: 7.74 min Scan# 538
 Delta R.T. 0.01 min
 Lab File: BF088720.D
 Acq: 5 Jul 2016 23:37

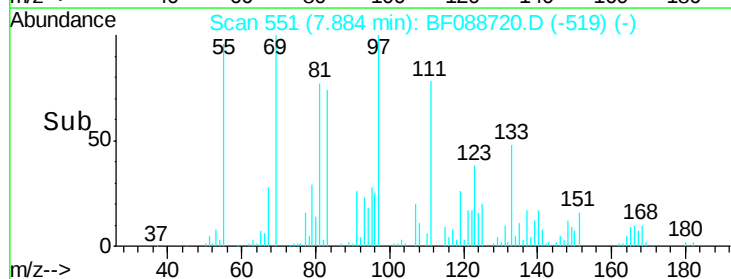
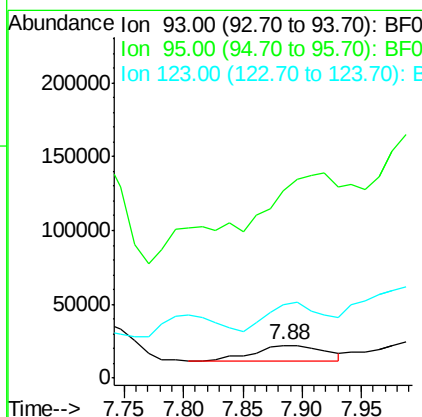
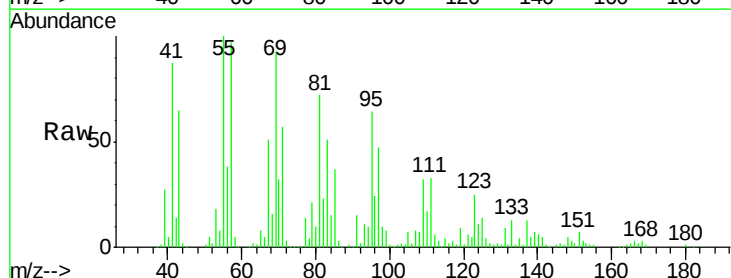
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(13-15)RE

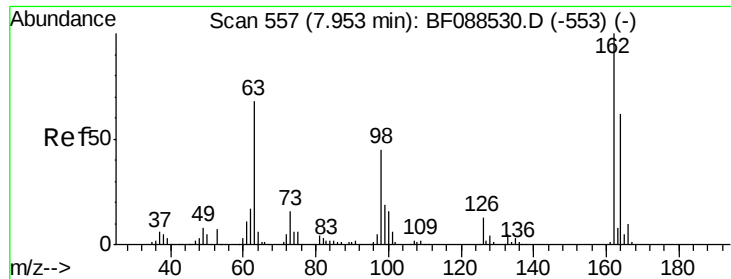
Tgt Ion:122 Resp: 47776
 Ion Ratio Lower Upper
 122 100
 107 300.9 82.4 123.6#
 121 121.6 46.3 69.5#



#28
 bis(2-Chloroethoxy)methane
 Concen: 7.36 ng
 RT: 7.88 min Scan# 551
 Delta R.T. 0.07 min
 Lab File: BF088720.D
 Acq: 5 Jul 2016 23:37

Tgt Ion: 93 Resp: 46546
 Ion Ratio Lower Upper
 93 100
 95 573.4 26.5 39.7#
 123 225.1 11.6 17.4#





#29

2,4-Dichlorophenol

Concen: 5.12 ng

RT: 7.94 min Scan# 556

Delta R.T. 0.02 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

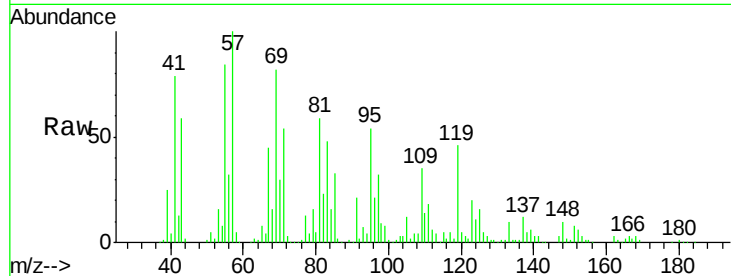
Tgt Ion:162 Resp: 18702

Ion Ratio Lower Upper

162 100

164 16.4 43.8 83.8#

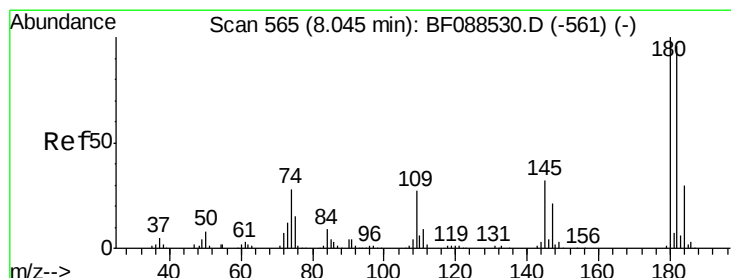
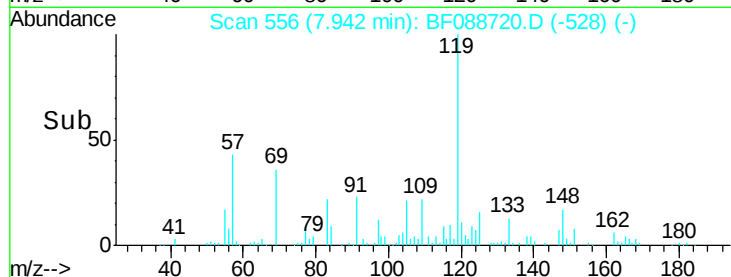
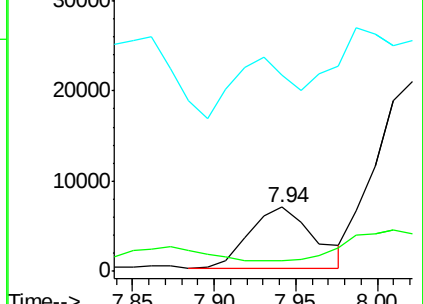
98 307.4 21.3 61.3#



Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF0



#30

1,2,4-Trichlorobenzene

Concen: 5.35 ng

RT: 8.00 min Scan# 561

Delta R.T. -0.01 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

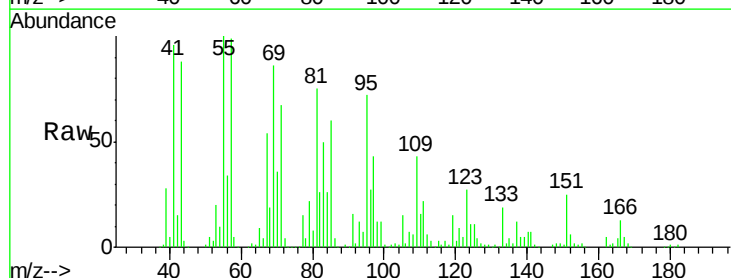
Tgt Ion:180 Resp: 21447

Ion Ratio Lower Upper

180 100

182 54.9 76.0 114.0#

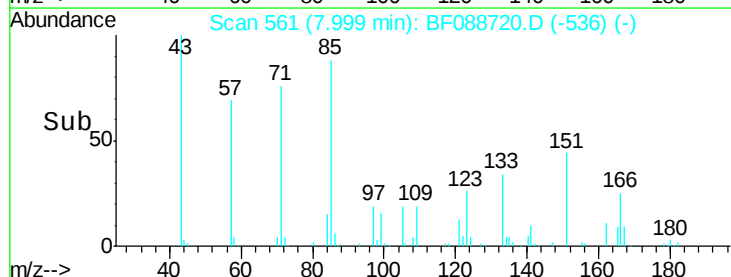
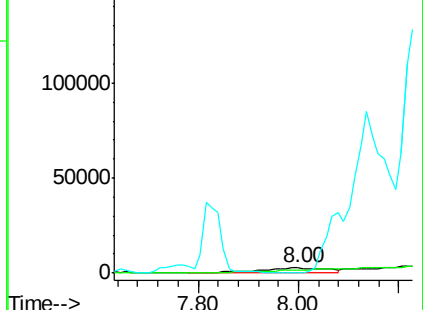
145 0.0 26.5 39.7#

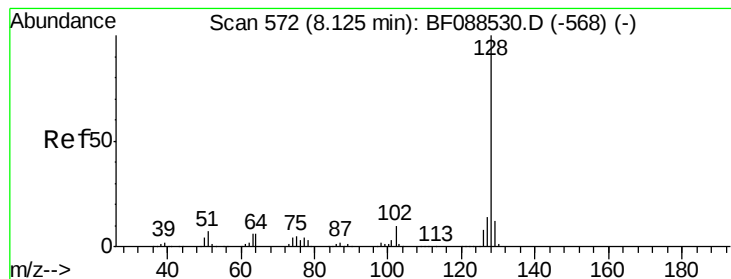


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 5.73 ng

RT: 8.08 min Scan# 568

Delta R.T. -0.01 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

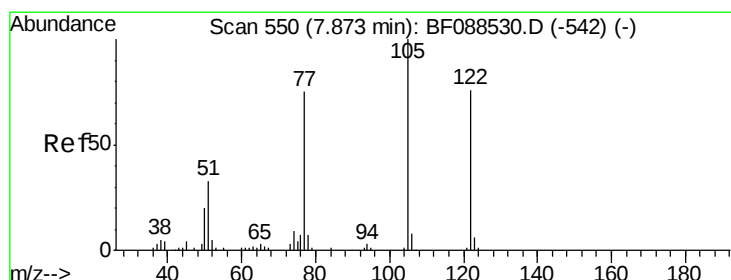
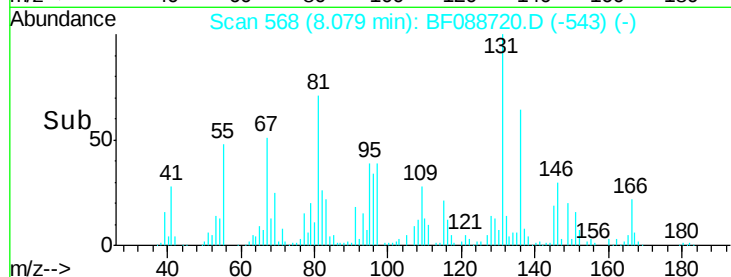
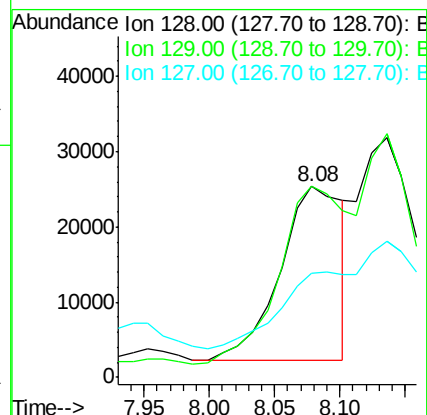
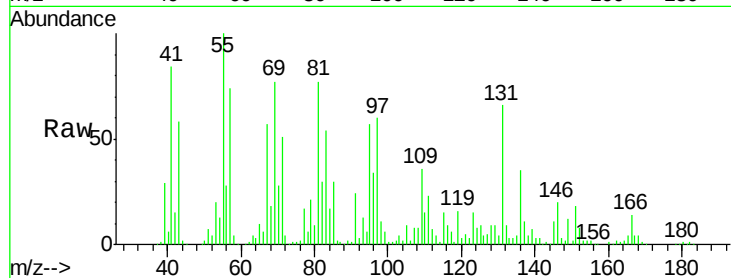
Tgt Ion:128 Resp: 77733

Ion Ratio Lower Upper

128 100

129 100.3 9.4 14.2#

127 54.8 10.9 16.3#



#32

Benzoic acid

Concen: 7.38 ng

RT: 7.88 min Scan# 551

Delta R.T. 0.02 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

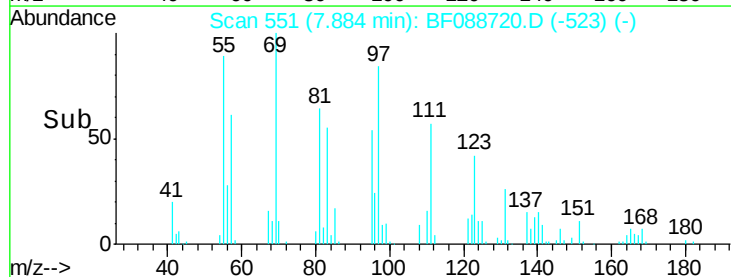
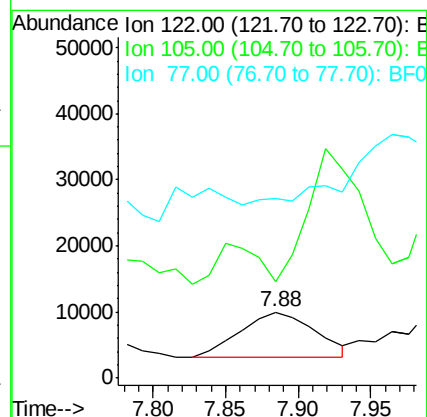
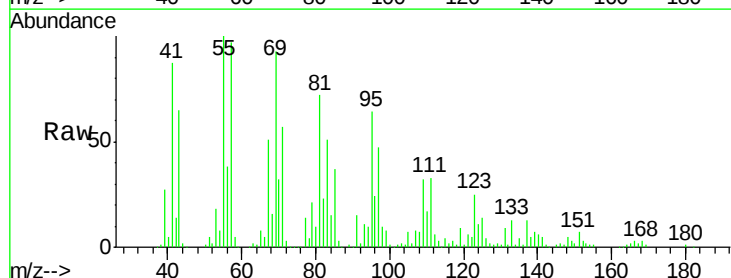
Tgt Ion:122 Resp: 24226

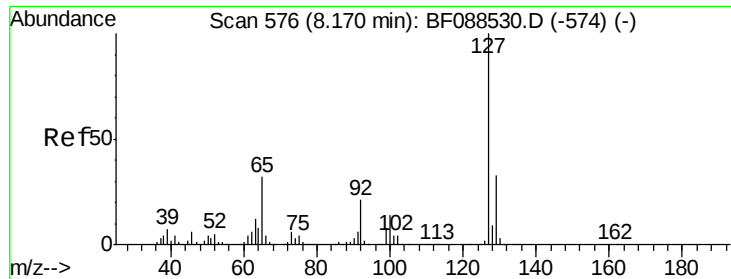
Ion Ratio Lower Upper

122 100

105 145.8 101.6 141.6#

77 271.9 70.6 110.6#

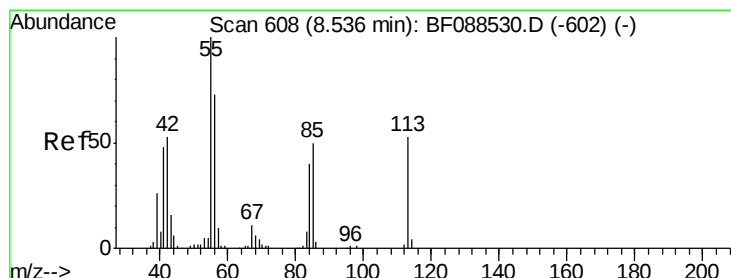
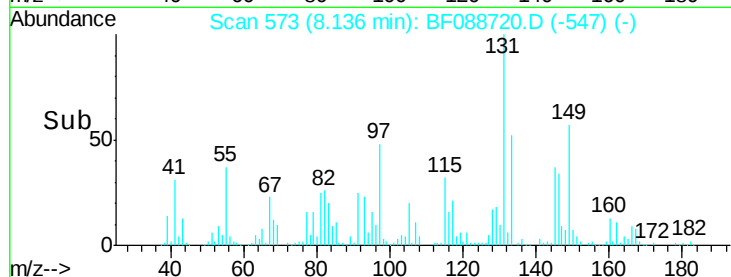
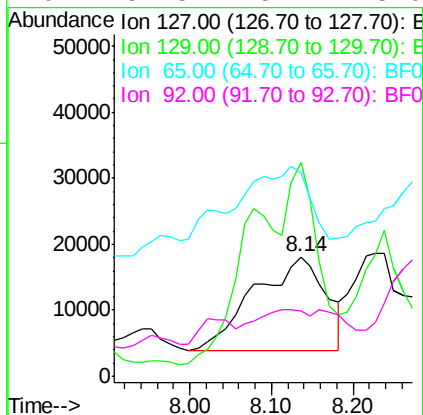
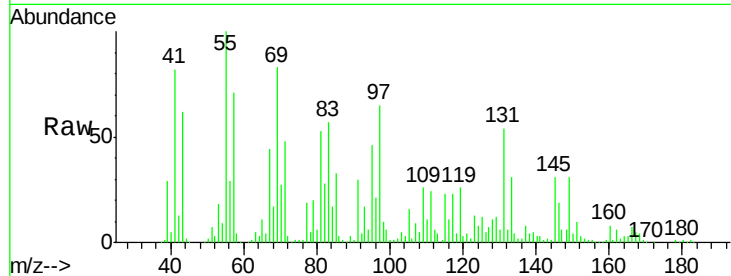




#33
4-Chloroaniline
Concen: 14.40 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.00 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

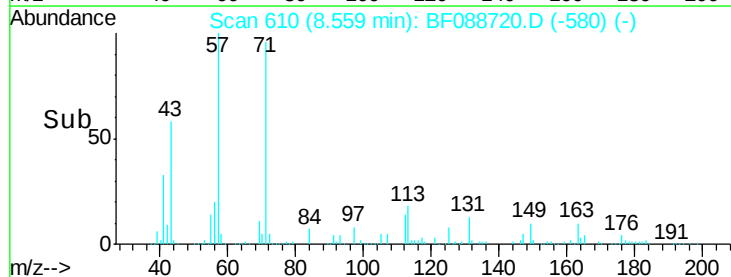
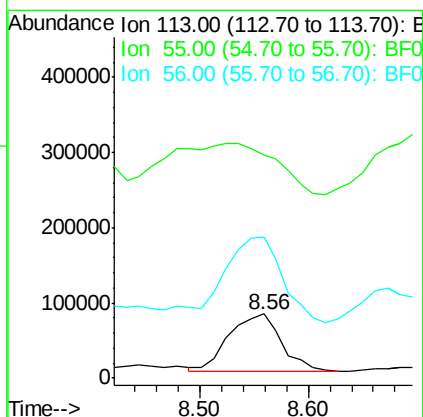
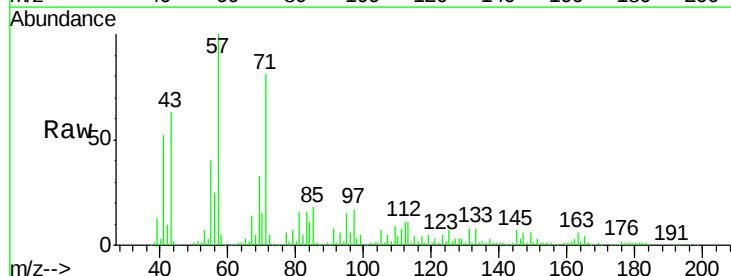
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)RE

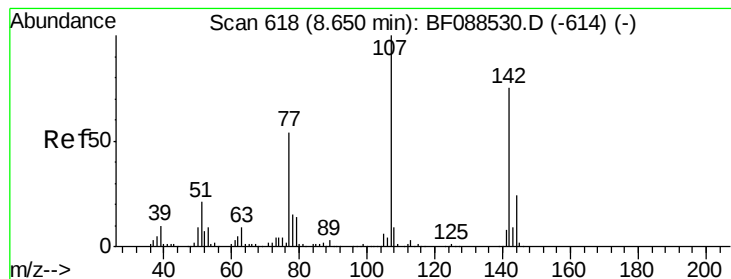
Tgt Ion:127 Resp: 86869
Ion Ratio Lower Upper
127 100
129 179.4 26.3 39.5#
65 170.5 24.7 37.1#
92 54.5 15.4 23.0#



#35
Caprolactam
Concen: 205.87 ng
RT: 8.56 min Scan# 610
Delta R.T. 0.05 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

Tgt Ion:113 Resp: 255435
Ion Ratio Lower Upper
113 100
55 349.3 158.6 198.6#
56 220.8 110.6 150.6#

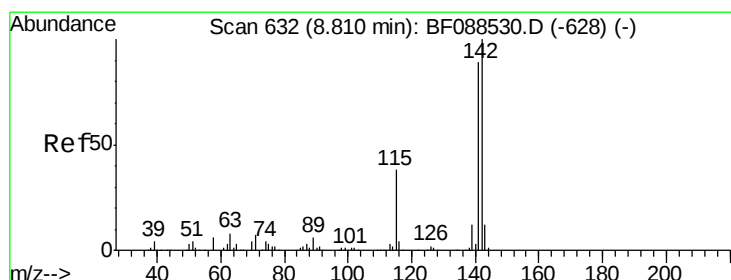
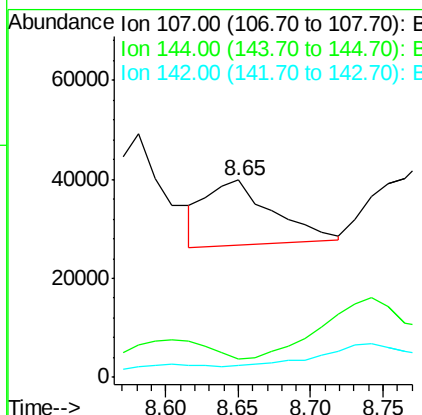
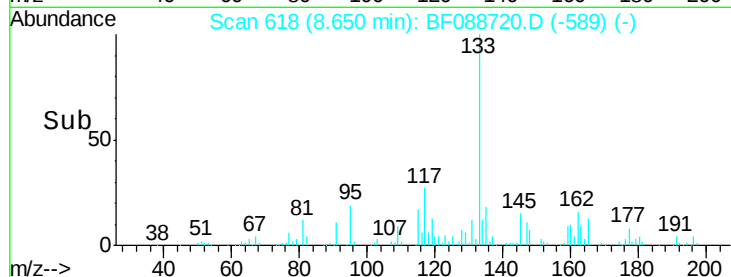
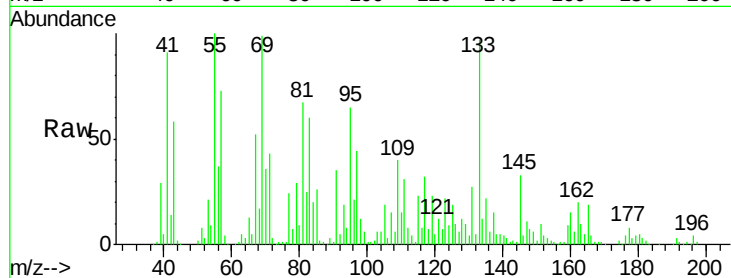




#36
 4-Chloro-3-methylphenol
 Concen: 9.72 ng
 RT: 8.65 min Scan# 618
 Delta R.T. 0.03 min
 Lab File: BF088720.D
 Acq: 5 Jul 2016 23:37

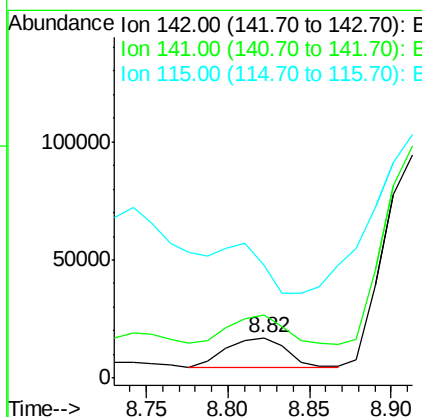
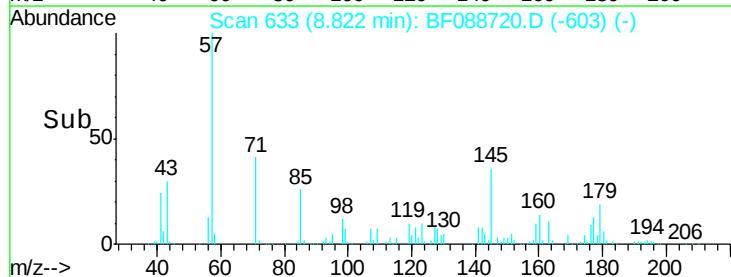
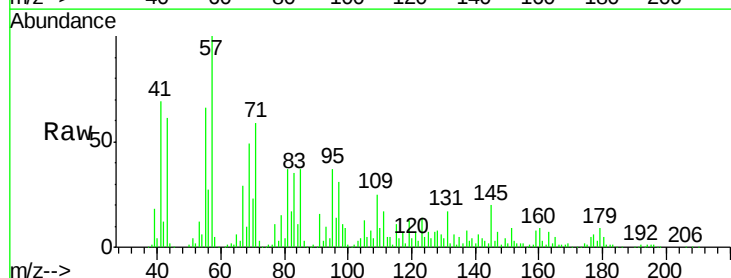
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(13-15)RE

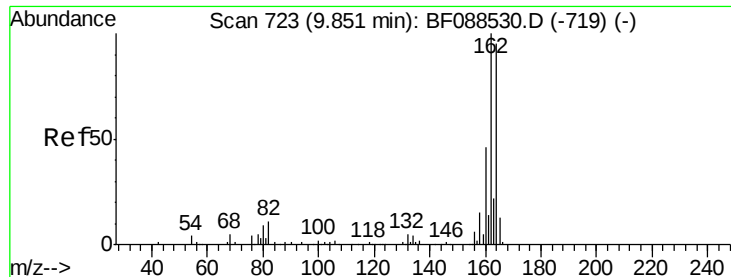
Tgt Ion:107 Resp: 41996
 Ion Ratio Lower Upper
 107 100
 144 9.5 20.8 31.2#
 142 6.0 63.4 95.2#



#37
 2-Methylnaphthalene
 Concen: 3.59 ng
 RT: 8.82 min Scan# 633
 Delta R.T. 0.05 min
 Lab File: BF088720.D
 Acq: 5 Jul 2016 23:37

Tgt Ion:142 Resp: 31376
 Ion Ratio Lower Upper
 142 100
 141 154.5 71.0 106.6#
 115 278.3 22.6 33.8#

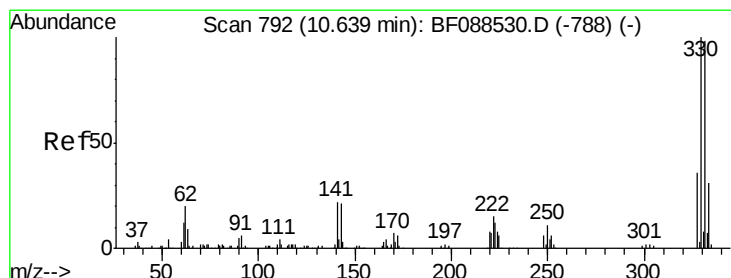
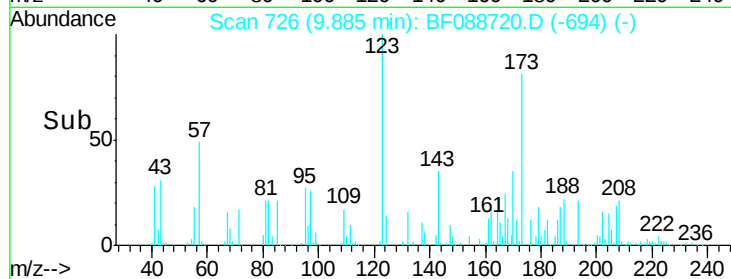
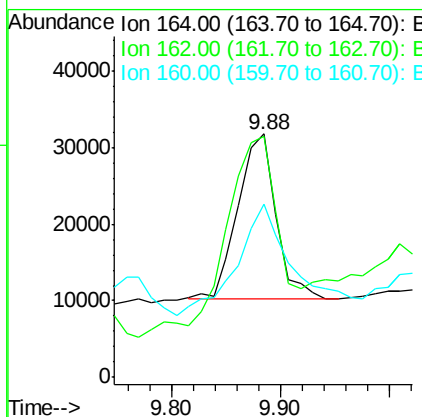
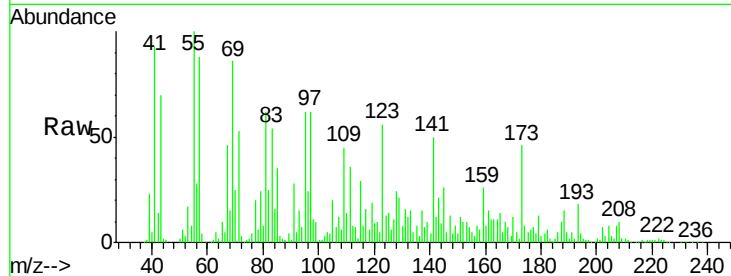




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 726
Delta R.T. 0.07 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

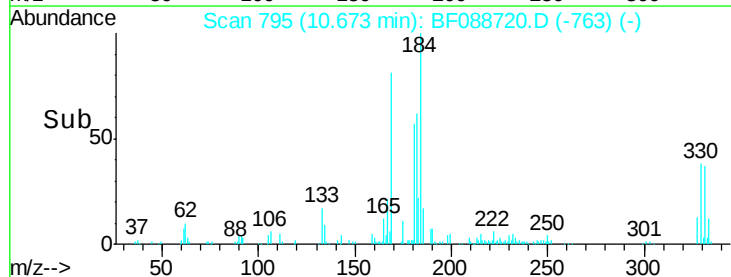
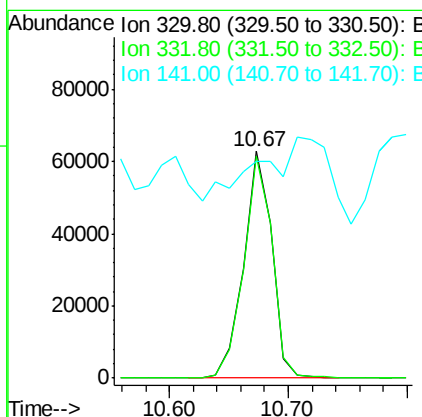
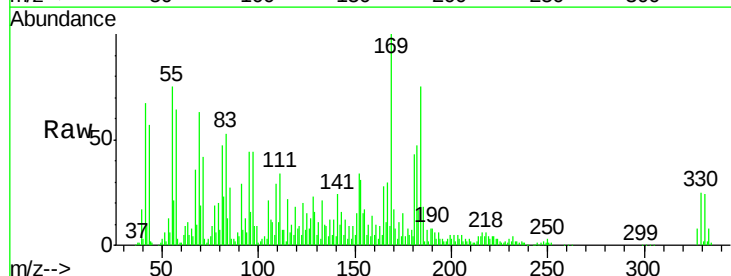
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)RE

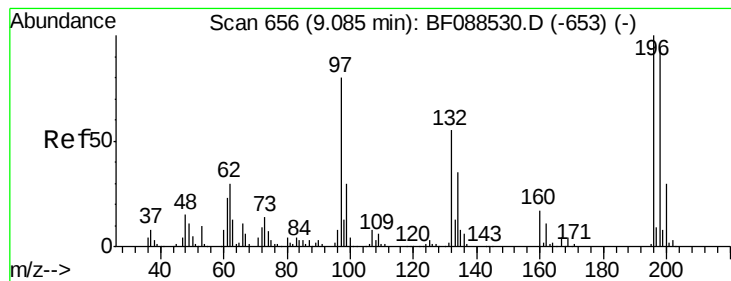
Tgt Ion:164 Resp: 52597
Ion Ratio Lower Upper
164 100
162 98.8 85.4 128.2
160 71.1 39.5 59.3#



#41
2,4,6-Tribromophenol
Concen: 213.30 ng
RT: 10.67 min Scan# 795
Delta R.T. 0.07 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

Tgt Ion:330 Resp: 104180
Ion Ratio Lower Upper
330 100
332 99.1 0.0 0.0#
141 0.0 0.0 0.0





#42

2,4,6-Trichlorophenol

Concen: 11.34 ng

RT: 9.12 min Scan# 659

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

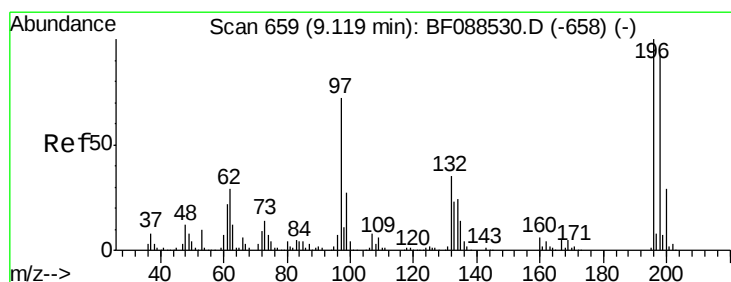
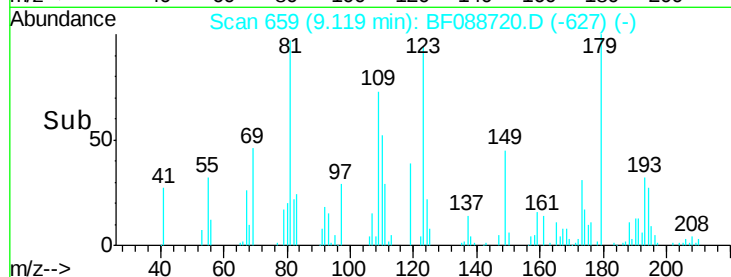
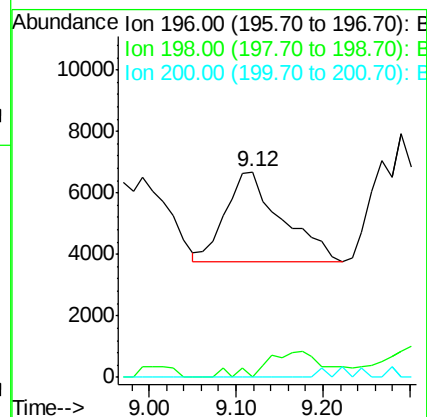
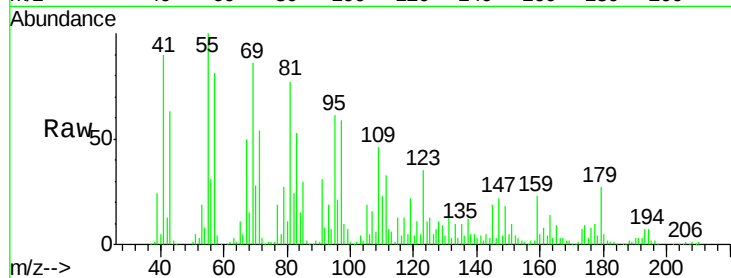
Tgt Ion:196 Resp: 13084

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: 12.96 ng

RT: 9.12 min Scan# 659

Delta R.T. 0.02 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Tgt Ion:196 Resp: 12859

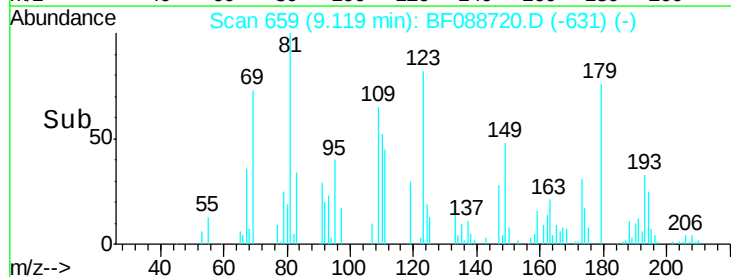
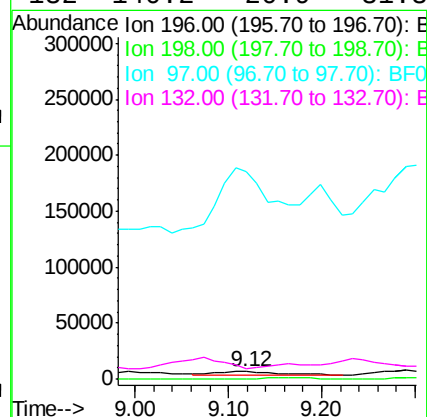
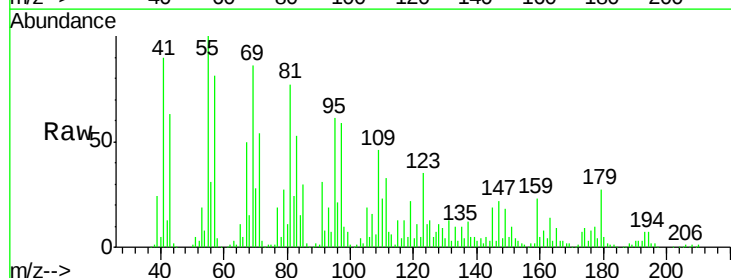
Ion Ratio Lower Upper

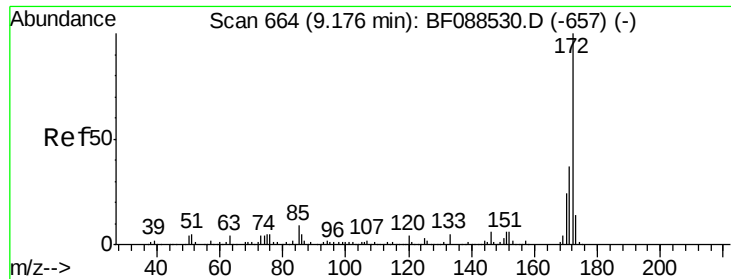
196 100

198 0.0 77.5 116.3#

97 2764.2 32.0 48.0#

132 140.2 20.9 31.3#

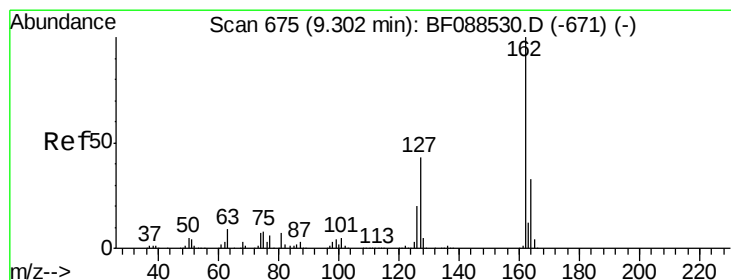
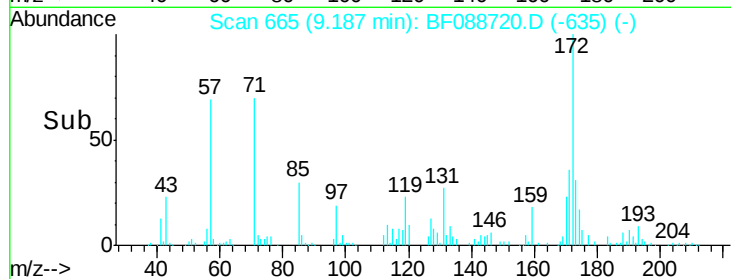
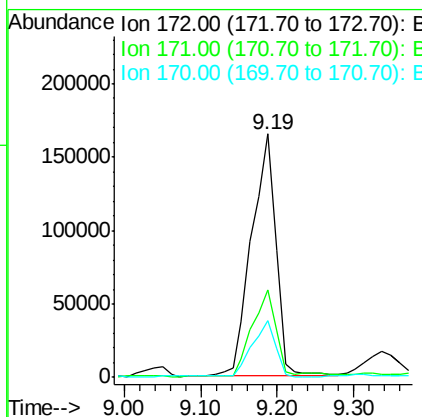
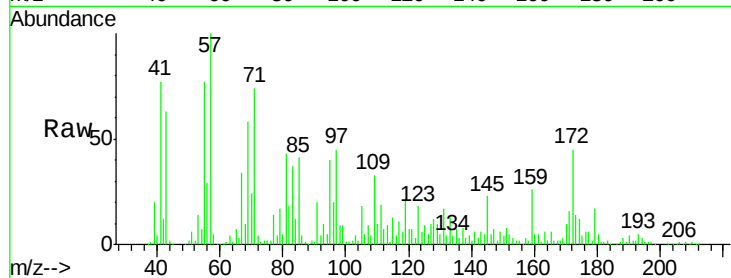




#44
 2-Fluorobiphenyl
 Concen: 109.90 ng
 RT: 9.19 min Scan# 665
 Delta R.T. 0.05 min
 Lab File: BF088720.D
 Acq: 5 Jul 2016 23:37

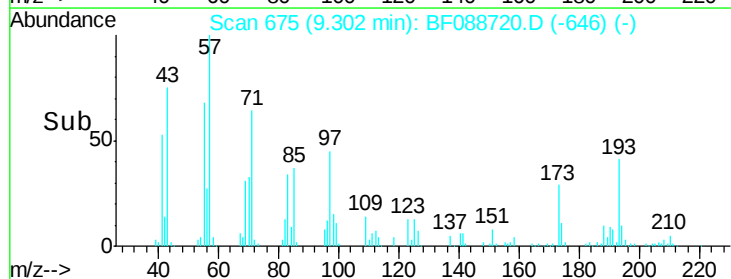
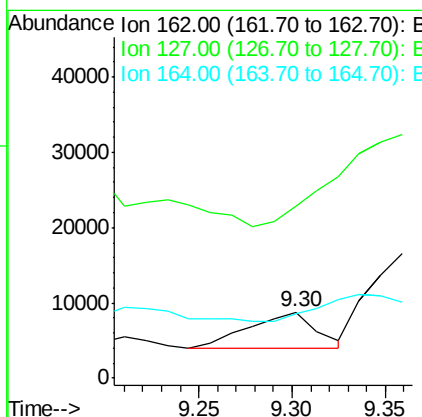
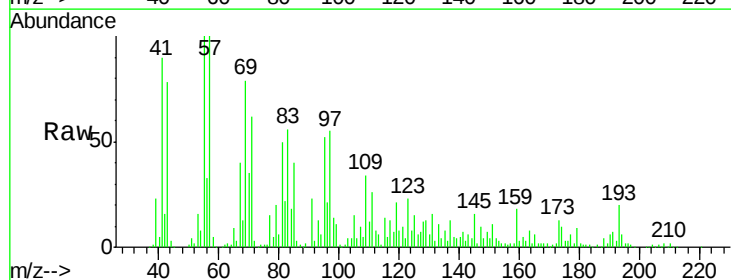
Instrument :
 BNA_F
 ClientSampleId :
 EPCH-B2(13-15)RE

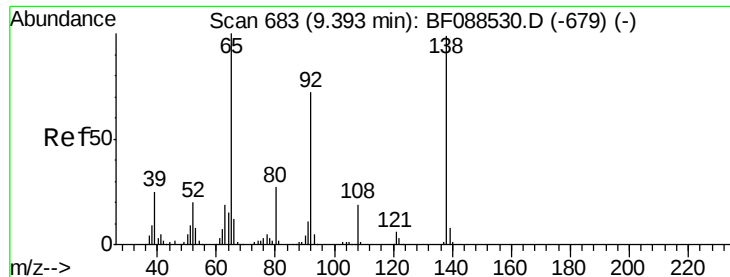
Tgt Ion:172 Resp: 365951
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 43.0
 170 23.3 19.2 28.8



#46
 2-Chloronaphthalene
 Concen: 3.54 ng
 RT: 9.30 min Scan# 675
 Delta R.T. 0.03 min
 Lab File: BF088720.D
 Acq: 5 Jul 2016 23:37

Tgt Ion:162 Resp: 12104
 Ion Ratio Lower Upper
 162 100
 127 260.2 35.2 52.8#
 164 97.4 26.6 39.8#





#47

2-Nitroaniline

Concen: 14.54 ng

RT: 9.43 min Scan# 686

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

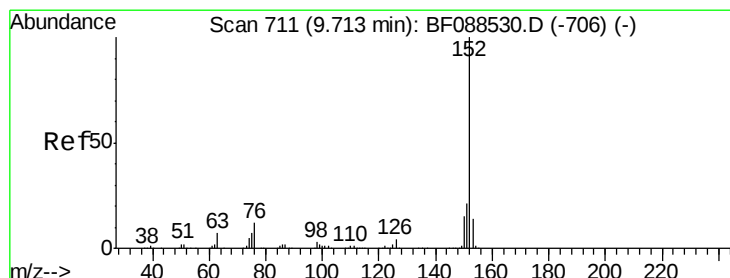
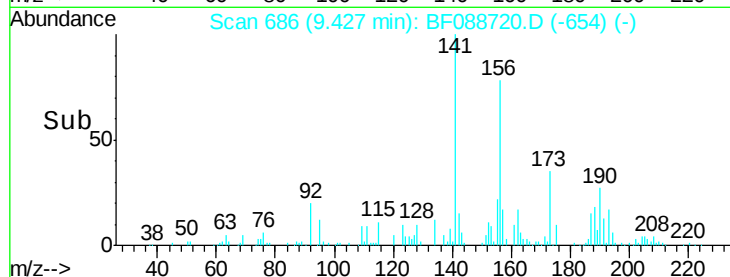
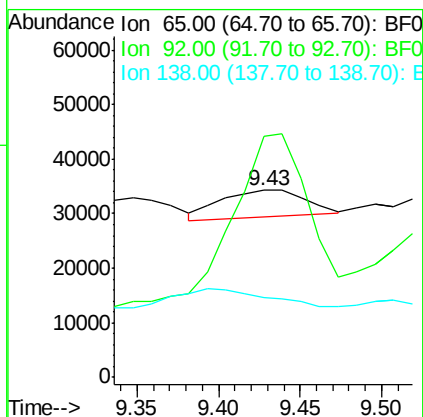
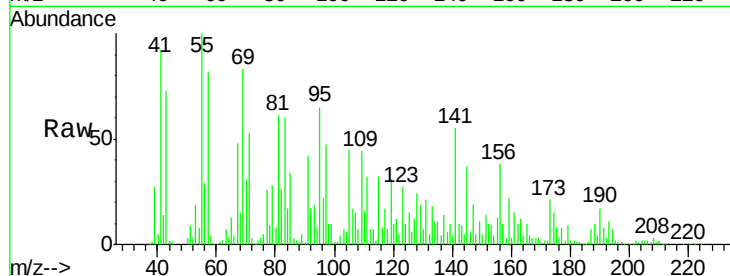
Tgt Ion: 65 Resp: 17646

Ion Ratio Lower Upper

65 100

92 129.3 54.6 82.0#

138 42.8 77.0 115.4#



#48

Acenaphthylene

Concen: 10.93 ng

RT: 9.75 min Scan# 714

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

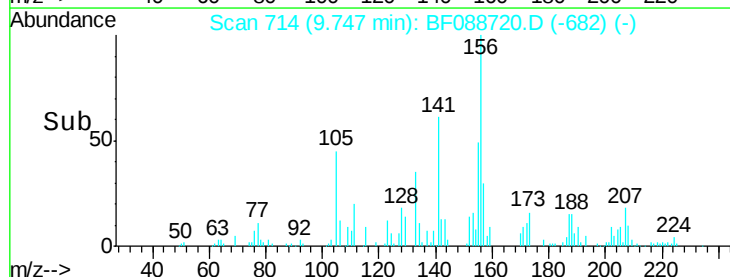
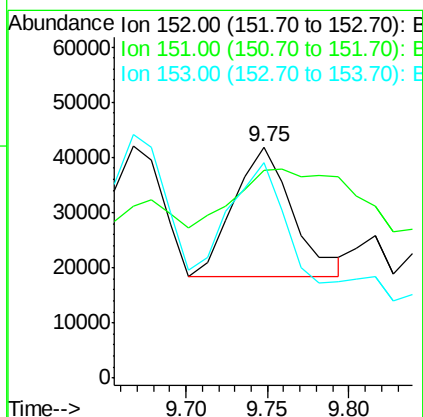
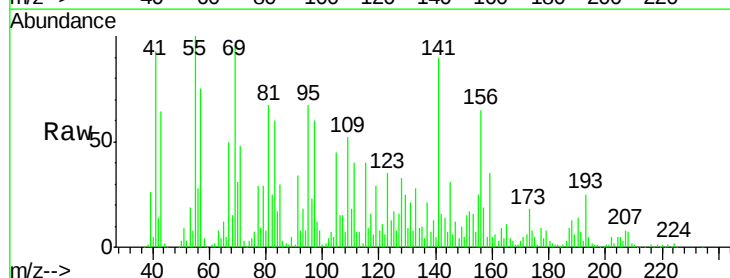
Tgt Ion: 152 Resp: 59441

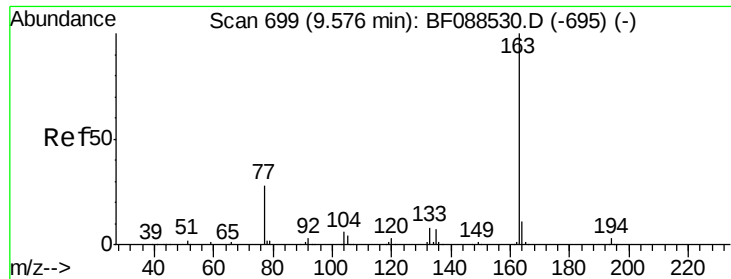
Ion Ratio Lower Upper

152 100

151 89.8 16.2 24.4#

153 93.4 11.0 16.6#

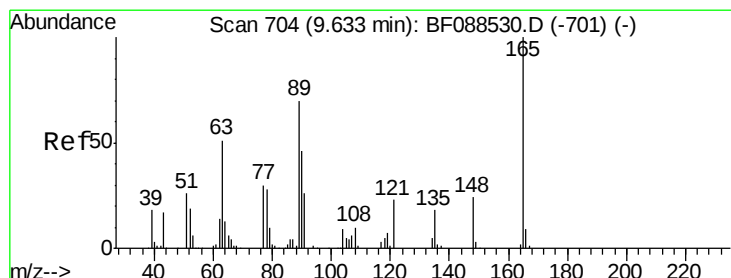
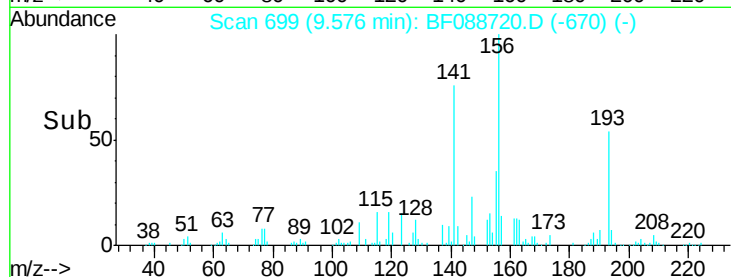
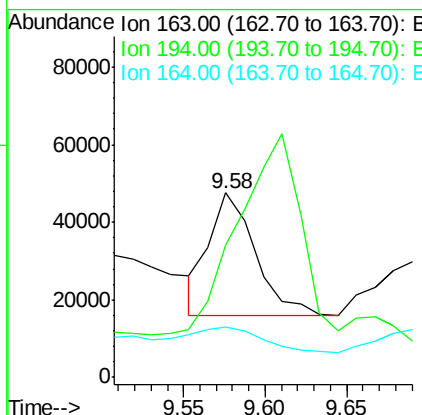
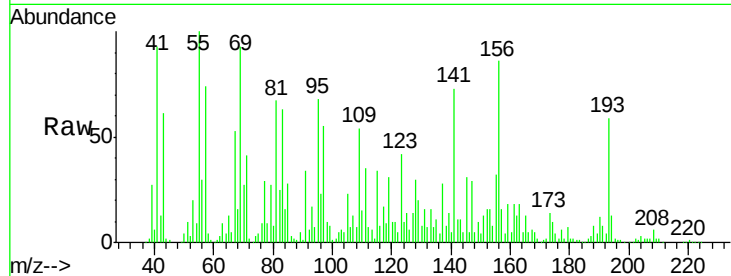




#49
Dimethylphthalate
Concen: 16.59 ng
RT: 9.58 min Scan# 699
Delta R.T. 0.03 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

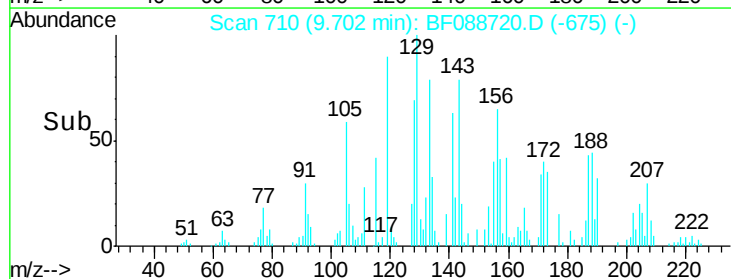
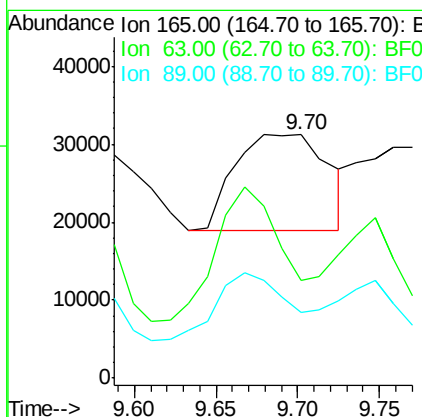
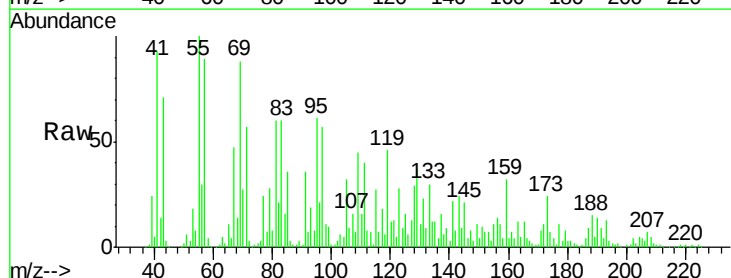
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)RE

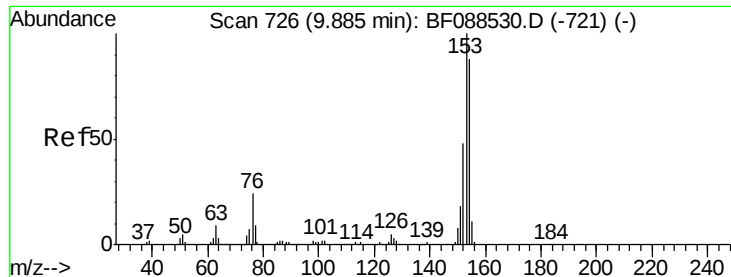
Tgt Ion:163 Resp: 62159
Ion Ratio Lower Upper
163 100
194 72.1 2.8 4.2#
164 27.3 8.3 12.5#



#50
2,6-Dinitrotoluene
Concen: 58.18 ng
RT: 9.70 min Scan# 710
Delta R.T. 0.10 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

Tgt Ion:165 Resp: 48315
Ion Ratio Lower Upper
165 100
63 39.9 28.1 42.1
89 27.2 32.2 48.2#





#51

Acenaphthene

Concen: 38.52 ng

RT: 9.92 min Scan# 729

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

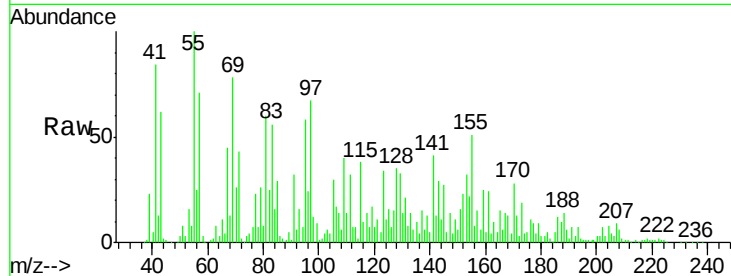
Tgt Ion:154 Resp: 128469

Ion Ratio Lower Upper

154 100

153 147.4 89.5 134.3#

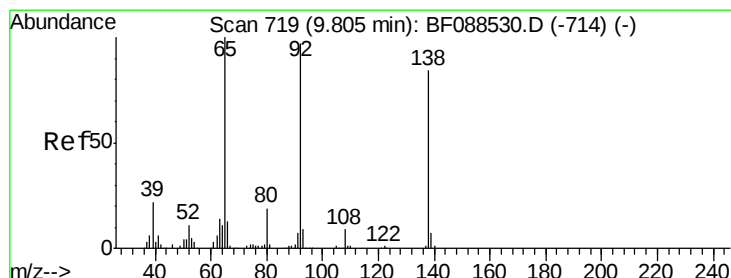
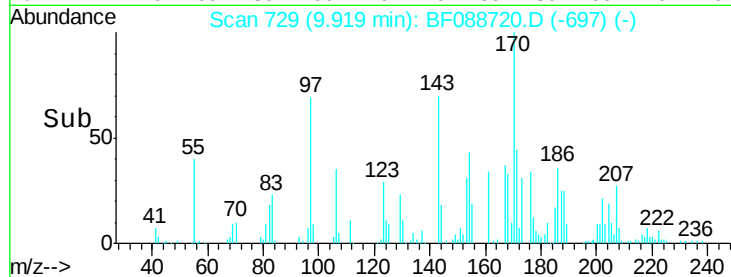
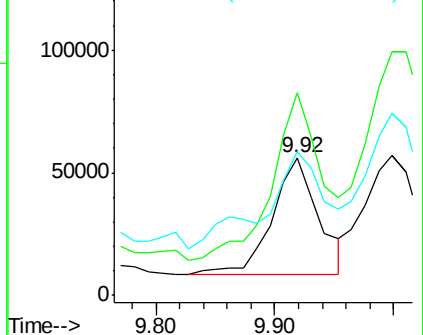
152 104.6 42.7 64.1#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 71.98 ng

RT: 9.85 min Scan# 723

Delta R.T. 0.08 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

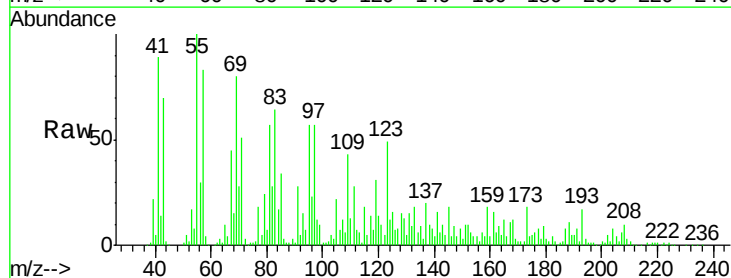
Tgt Ion:138 Resp: 75993

Ion Ratio Lower Upper

138 100

108 61.8 8.5 12.7#

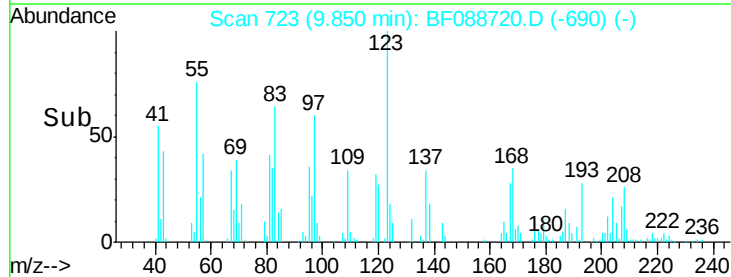
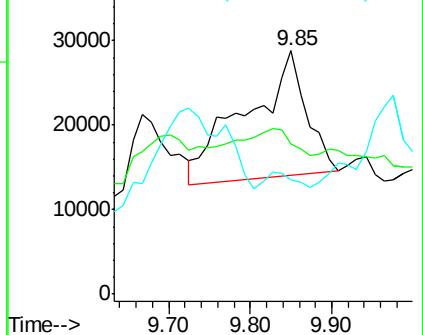
92 47.2 95.7 143.5#

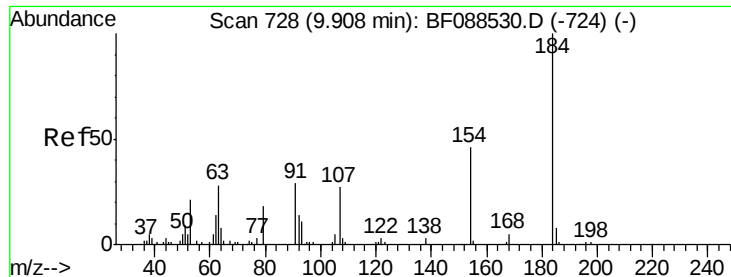


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0





#53

2,4-Dinitrophenol

Concen: 6.01 ng

RT: 9.94 min Scan# 731

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

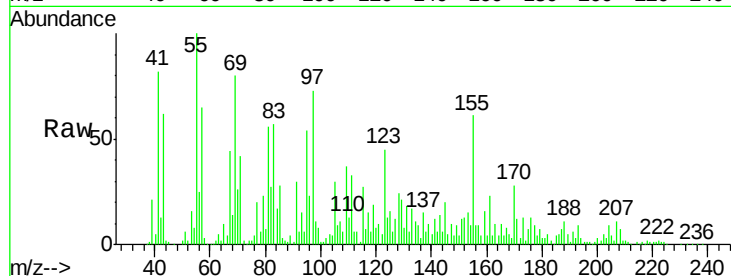
Tgt Ion:184 Resp: 2205

Ion Ratio Lower Upper

184 100

63 1136.8 57.6 86.4#

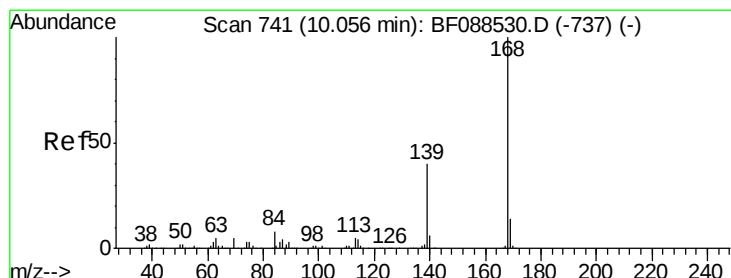
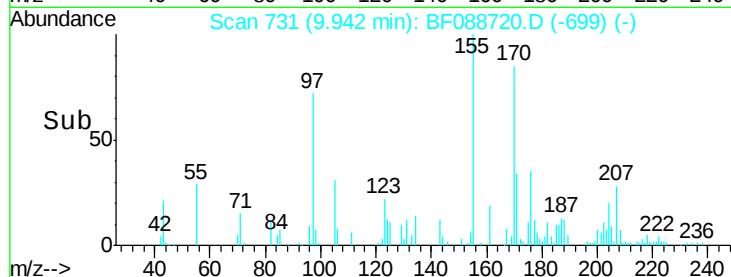
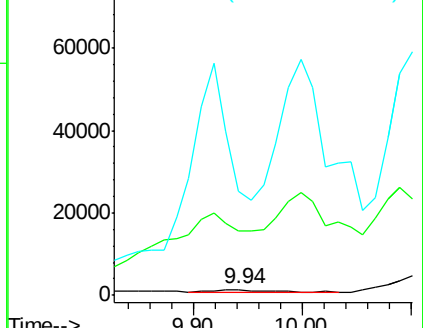
154 1833.3 53.5 80.3#



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: 41.85 ng

RT: 10.09 min Scan# 744

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

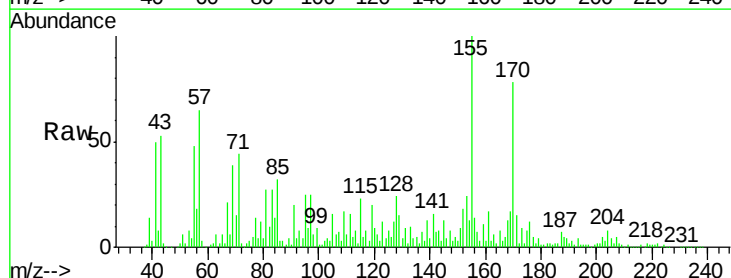
Tgt Ion:168 Resp: 182691

Ion Ratio Lower Upper

168 100

139 103.9 26.4 39.6#

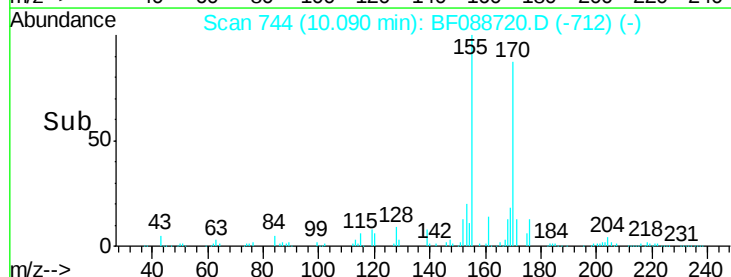
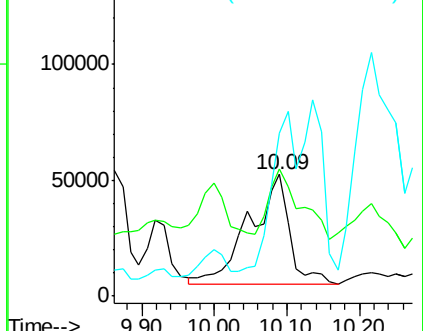
169 133.6 10.4 15.6#

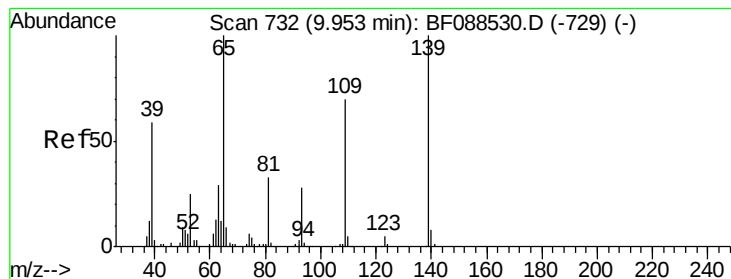


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 89.59 ng

RT: 10.00 min Scan# 736

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

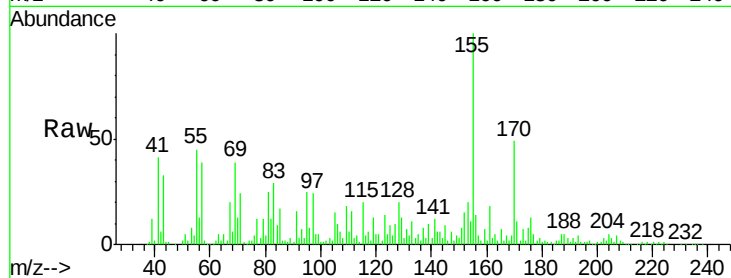
Tgt Ion:139 Resp: 71880

Ion Ratio Lower Upper

139 100

109 181.5 48.9 88.9#

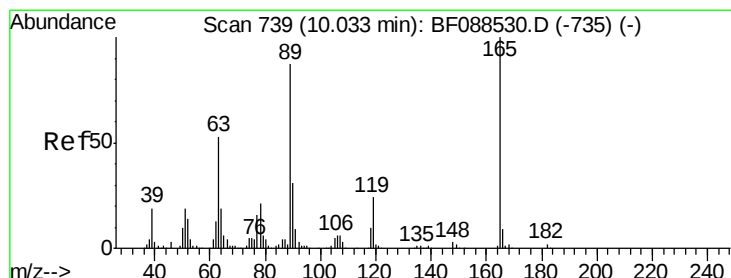
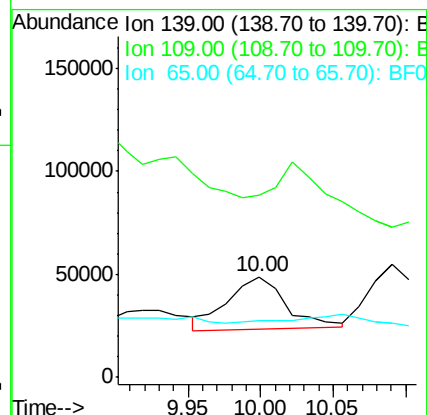
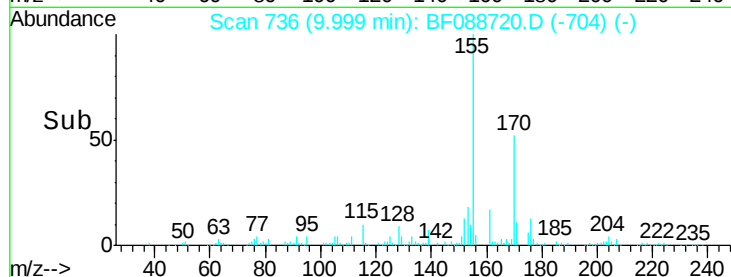
65 56.2 84.9 124.9#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#56

2,4-Dinitrotoluene

Concen: 62.09 ng

RT: 10.14 min Scan# 748

Delta R.T. 0.14 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Tgt Ion:165 Resp: 67415

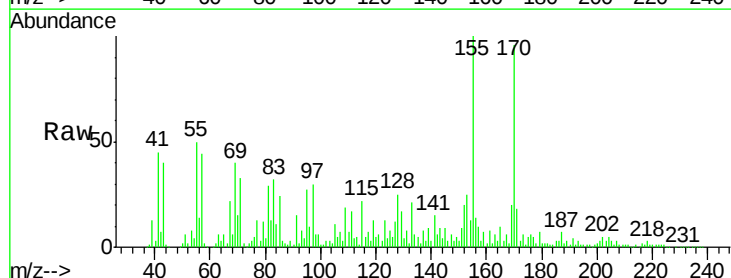
Ion Ratio Lower Upper

165 100

63 59.6 22.0 33.0#

89 34.6 41.1 61.7#

182 20.4 2.0 3.0#

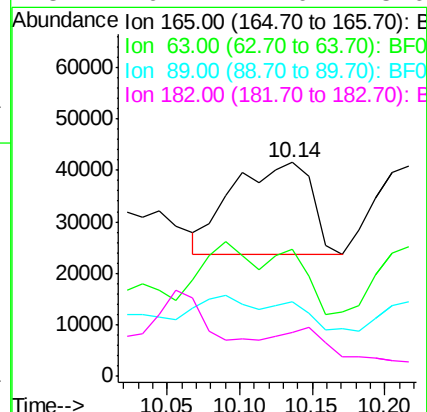
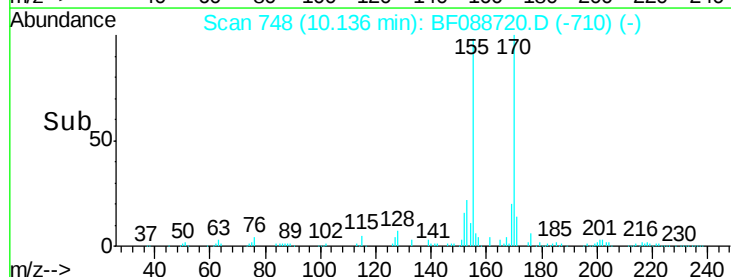


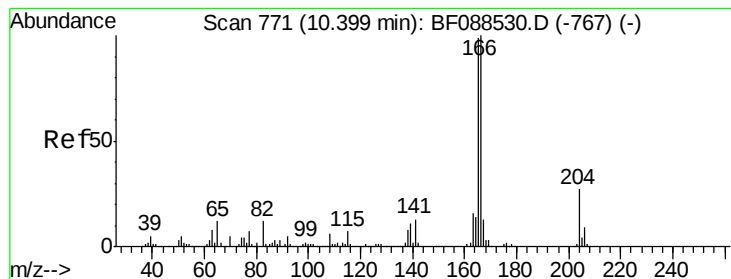
Abundance Ion 165.00 (164.70 to 165.70): E

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: 75.12 ng

RT: 10.43 min Scan# 774

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

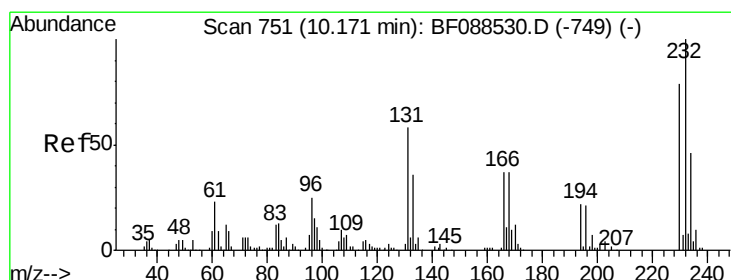
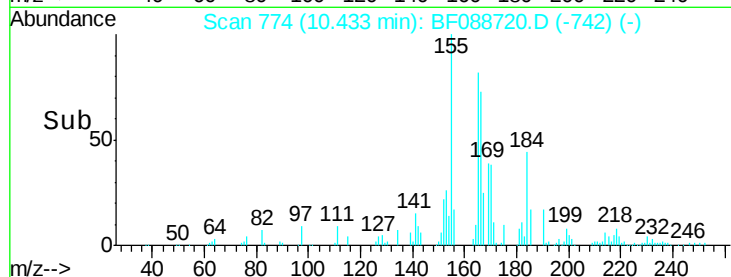
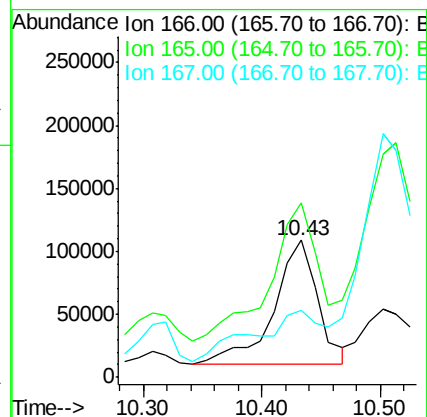
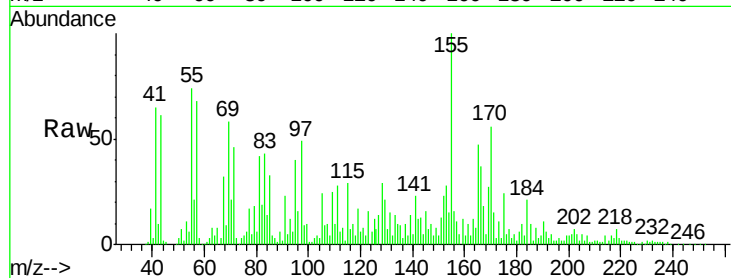
Tgt Ion:166 Resp: 252692

Ion Ratio Lower Upper

166 100

165 127.5 77.8 116.8#

167 48.9 11.2 16.8#



#58

2,3,4,6-Tetrachlorophenol

Concen: 9.08 ng

RT: 10.20 min Scan# 754

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Tgt Ion:232 Resp: 6971

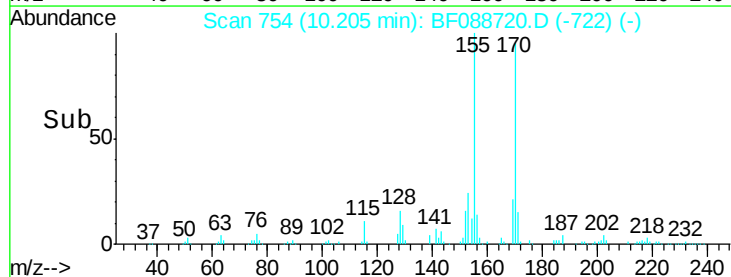
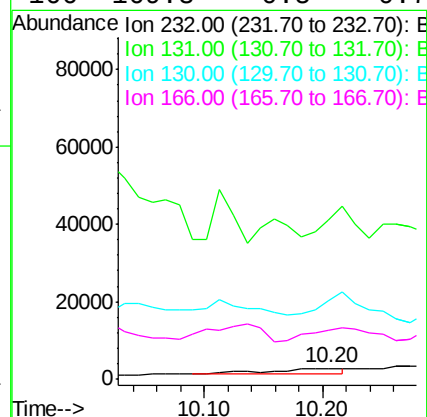
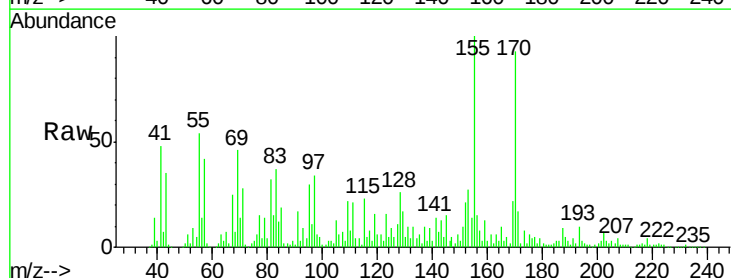
Ion Ratio Lower Upper

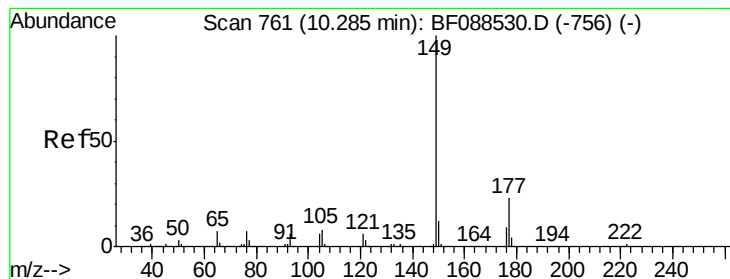
232 100

131 203.8 0.9 1.3#

130 301.4 1.5 2.3#

166 169.8 0.5 0.7#





#59

Diethylphthalate

Concen: 7.33 ng

RT: 10.34 min Scan# 766

Delta R.T. 0.10 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

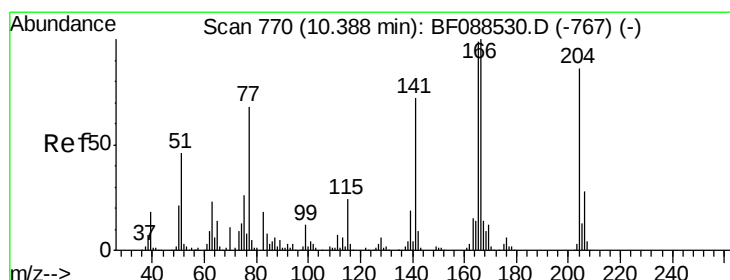
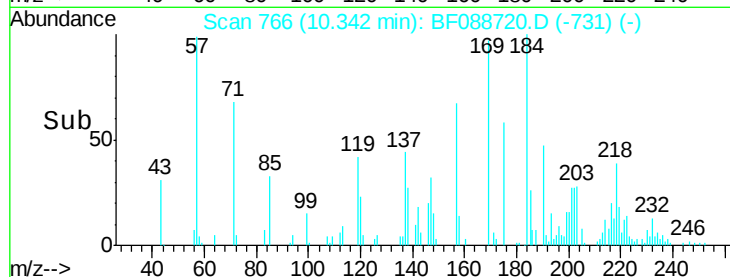
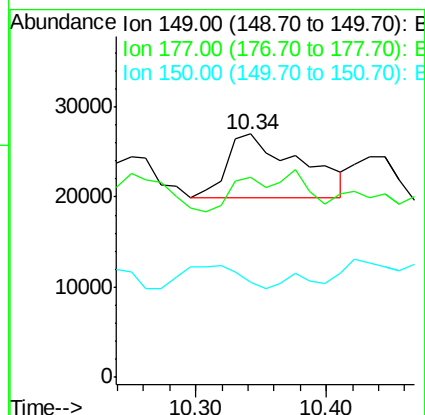
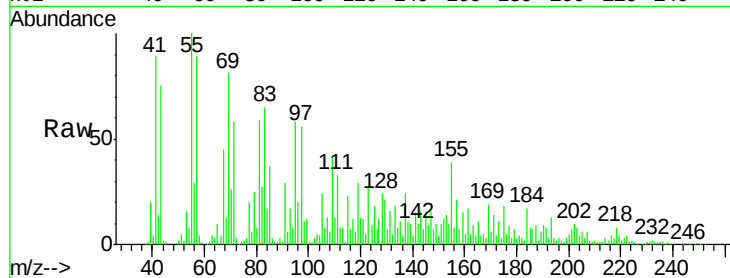
Tgt Ion:149 Resp: 27564

Ion Ratio Lower Upper

149 100

177 82.3 16.9 25.3#

150 38.8 10.1 15.1#



#60

4-Chlorophenyl-phenylether

Concen: 2.36 ng

RT: 10.44 min Scan# 775

Delta R.T. 0.09 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

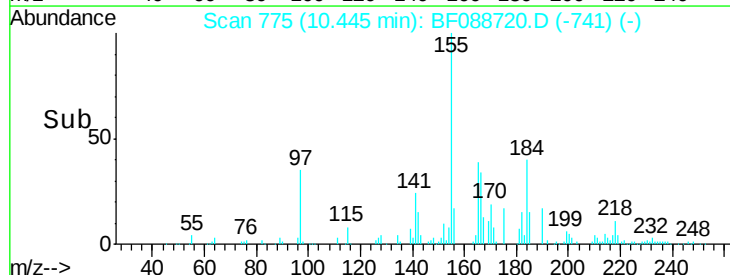
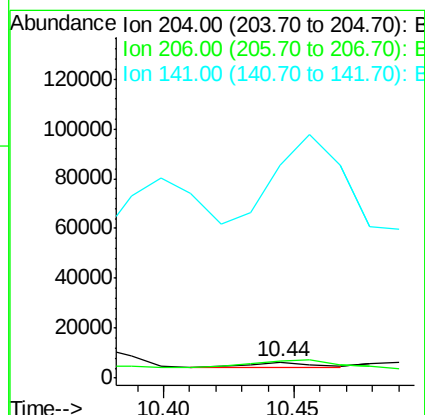
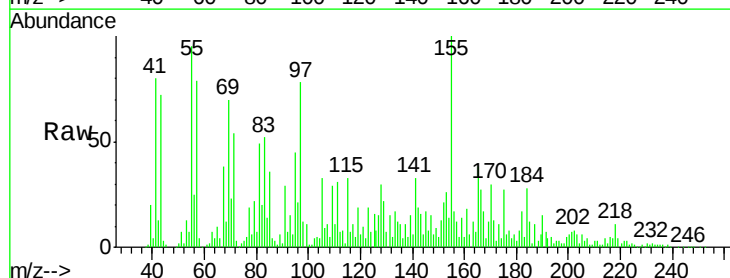
Tgt Ion:204 Resp: 3691

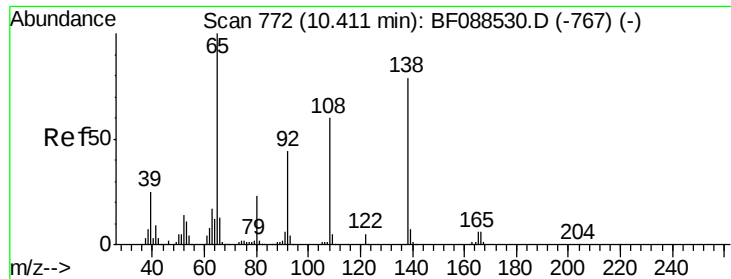
Ion Ratio Lower Upper

204 100

206 110.5 26.3 39.5#

141 1331.6 55.0 82.6#

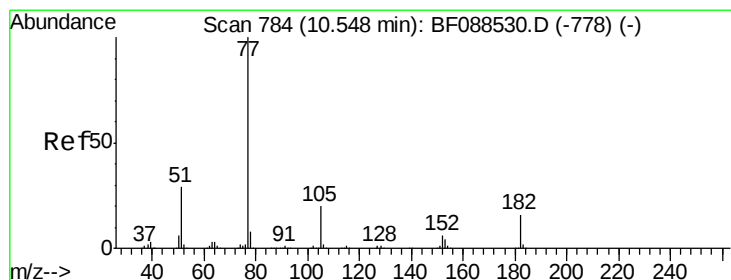
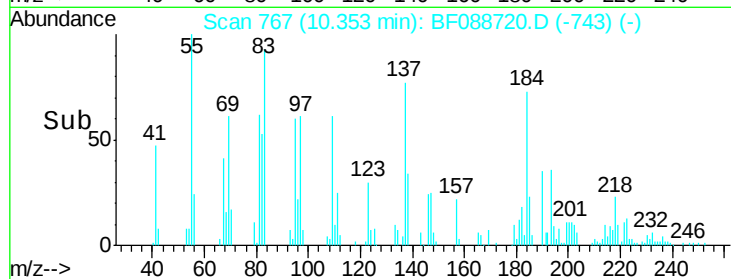
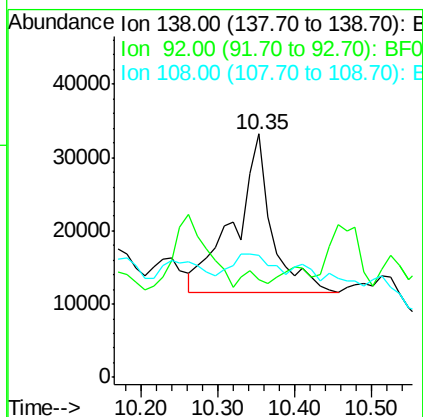
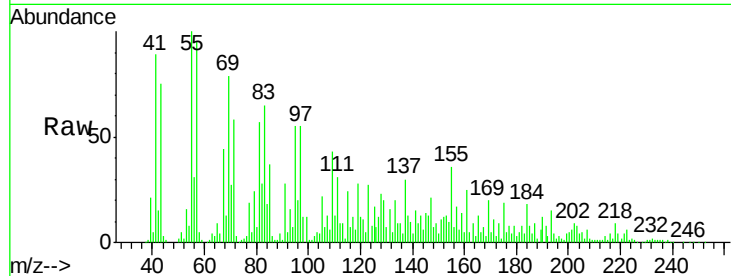




#61
4-Nitroaniline
Concen: 71.28 ng
RT: 10.35 min Scan# 767
Delta R.T. -0.02 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

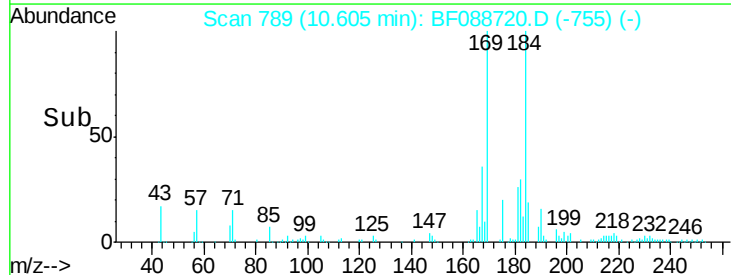
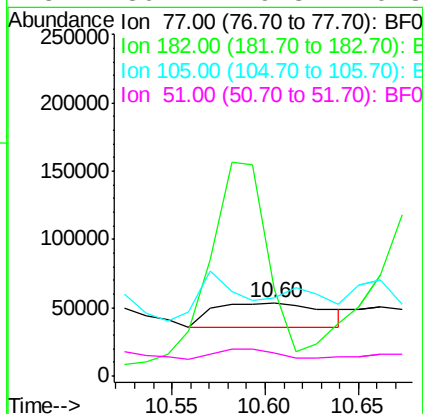
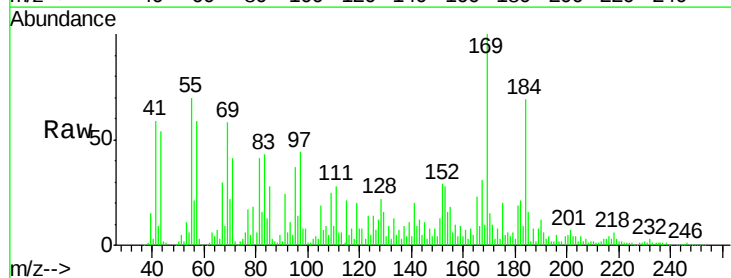
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)RE

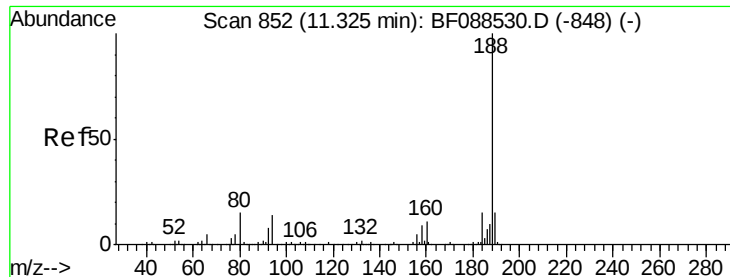
Tgt Ion:138 Resp: 72420
Ion Ratio Lower Upper
138 100
92 40.3 27.3 67.3
108 50.0 46.7 86.7



#62
Azobenzene
Concen: 17.11 ng
RT: 10.60 min Scan# 789
Delta R.T. 0.09 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

Tgt Ion: 77 Resp: 73388
Ion Ratio Lower Upper
77 100
182 118.8 4.4 44.4#
105 107.4 3.8 43.8#
51 30.7 9.3 49.3

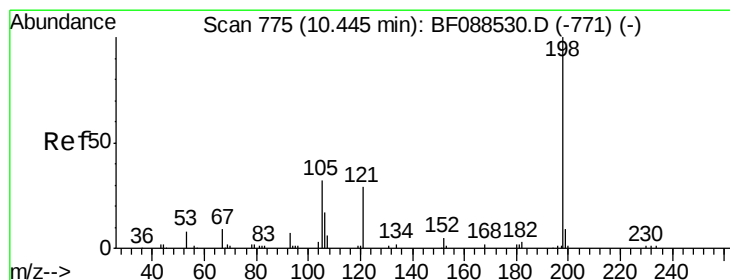
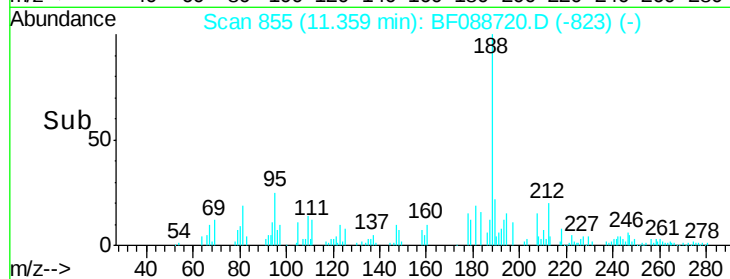
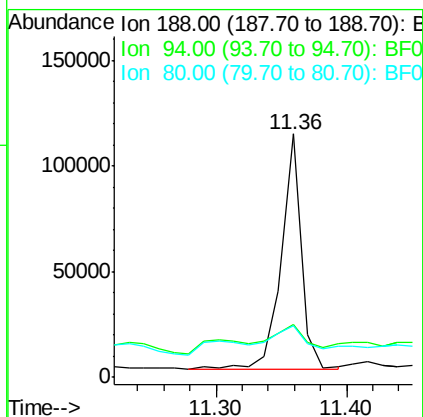
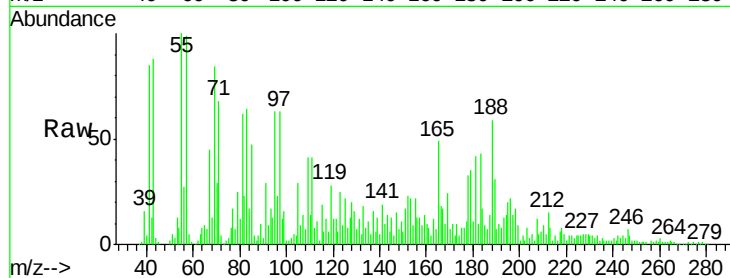




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 855
Delta R.T. 0.07 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

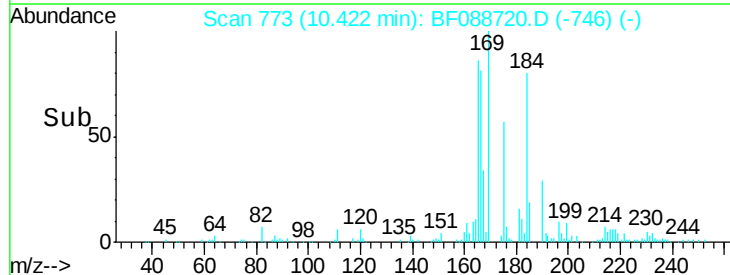
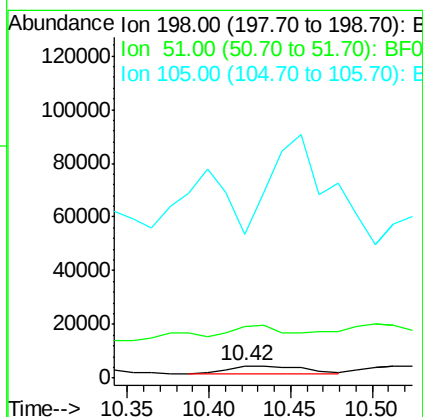
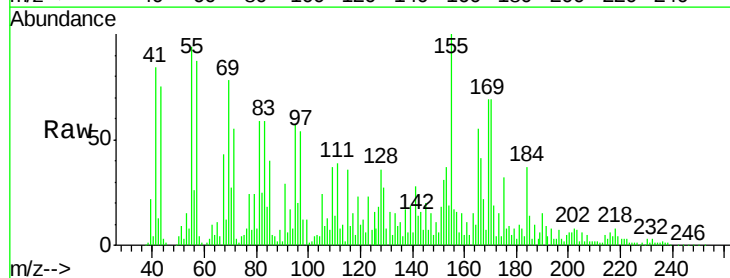
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)RE

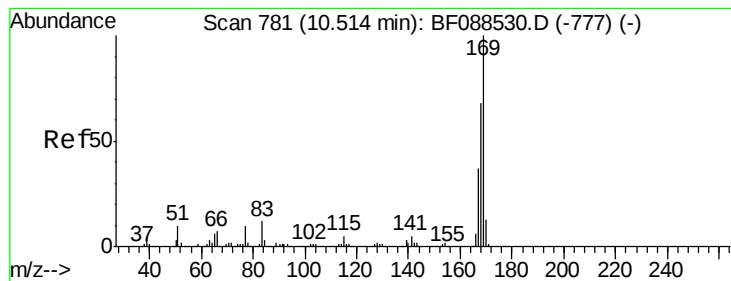
Tgt Ion:188 Resp: 120138
Ion Ratio Lower Upper
188 100
94 21.5 9.0 13.6#
80 21.1 10.0 15.0#



#64
4,6-Dinitro-2-methylphenol
Concen: 14.79 ng
RT: 10.42 min Scan# 773
Delta R.T. 0.01 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

Tgt Ion:198 Resp: 9506
Ion Ratio Lower Upper
198 100
51 424.5 39.6 79.6#
105 1186.2 36.6 76.6#





#65

n-Nitrosodiphenylamine

Concen: 160.03 ng

RT: 10.55 min Scan# 784

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

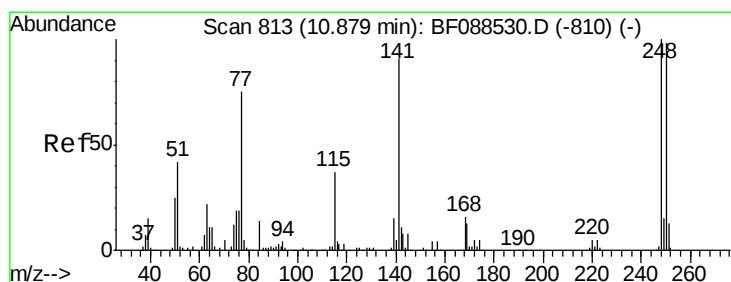
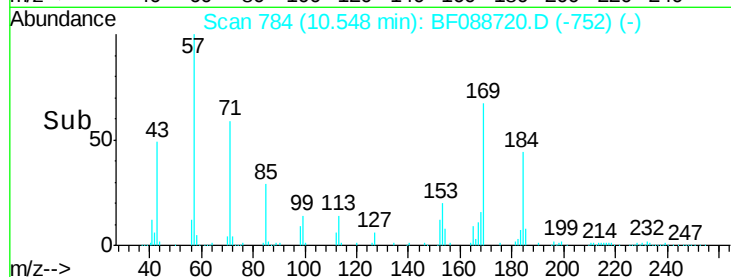
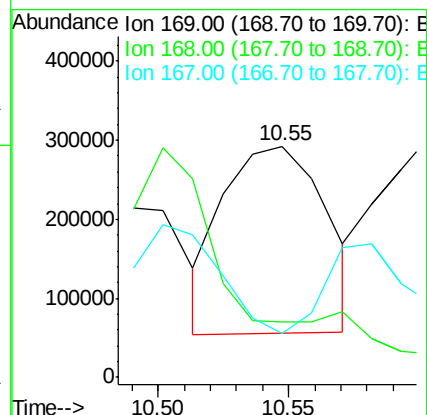
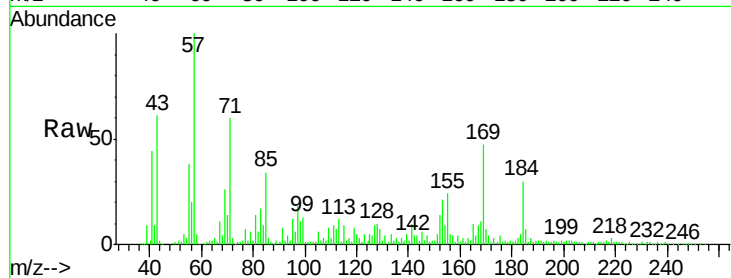
Tgt Ion:169 Resp: 650677

Ion Ratio Lower Upper

169 100

168 23.9 53.4 80.0#

167 19.0 29.4 44.0#



#66

4-Bromophenyl-phenylether

Concen: 5.74 ng

RT: 10.92 min Scan# 817

Delta R.T. 0.08 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

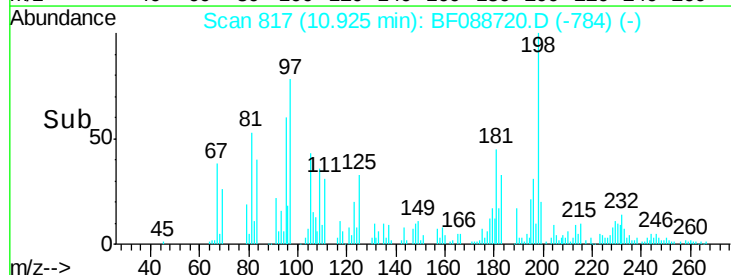
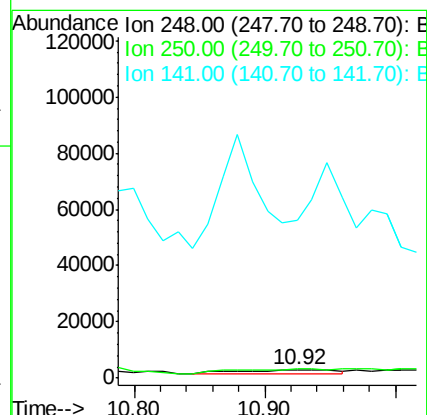
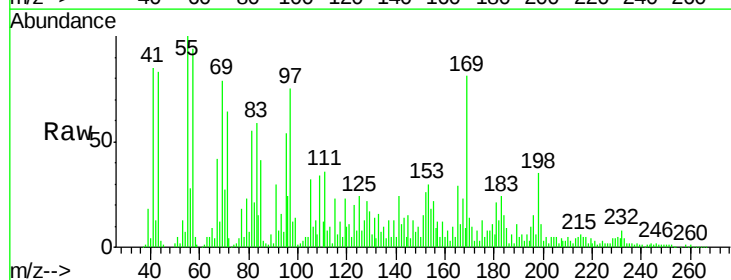
Tgt Ion:248 Resp: 6948

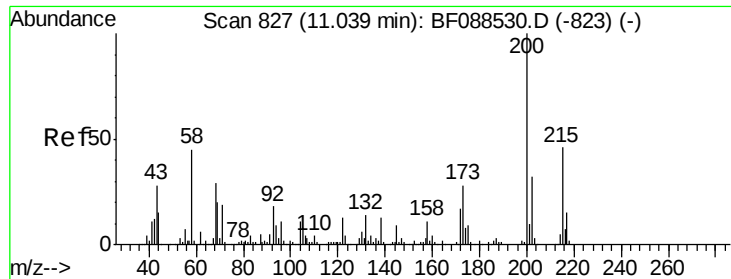
Ion Ratio Lower Upper

248 100

250 117.3 77.1 115.7#

141 1922.2 50.6 76.0#

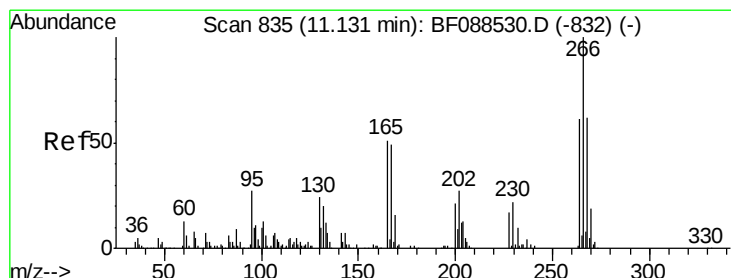
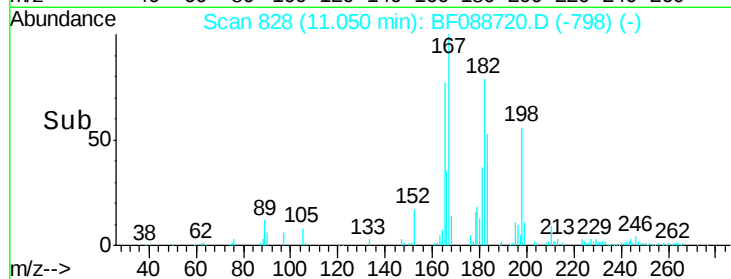
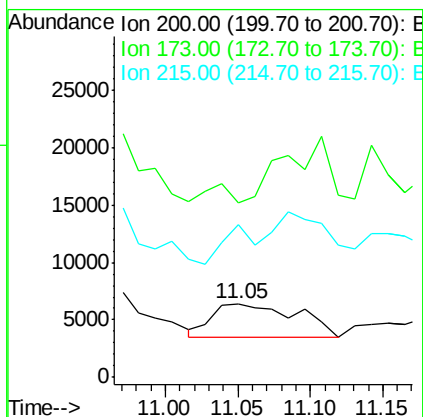
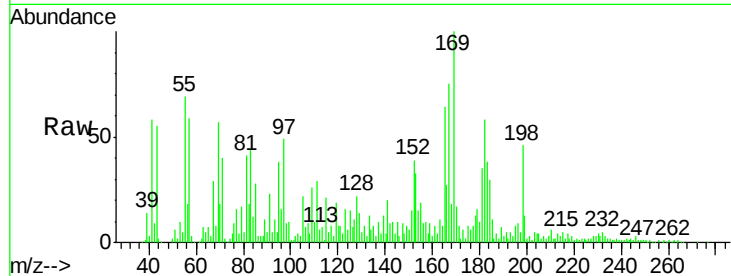




#68
Atrazine
Concen: 9.19 ng
RT: 11.05 min Scan# 828
Delta R.T. 0.05 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

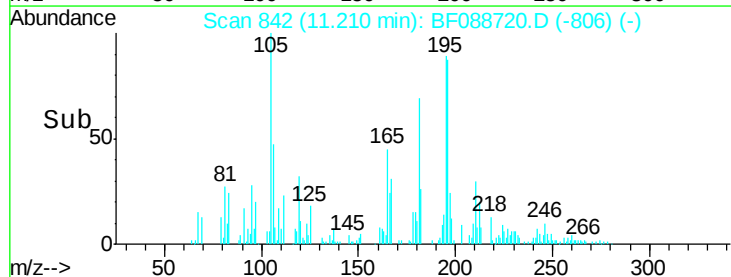
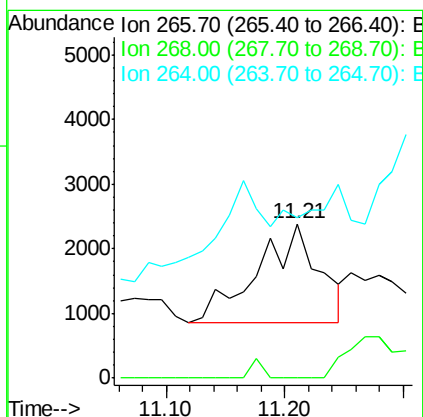
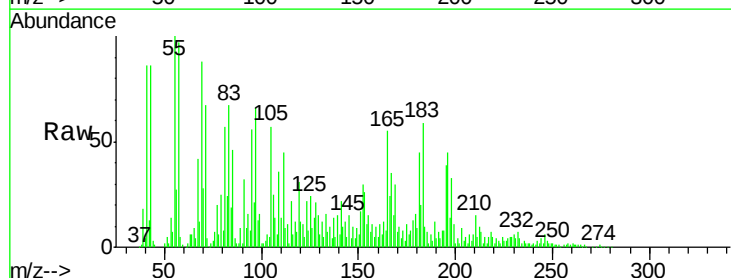
Instrument :
BNA_F
ClientSampleId :
EPCH-B2(13-15)RE

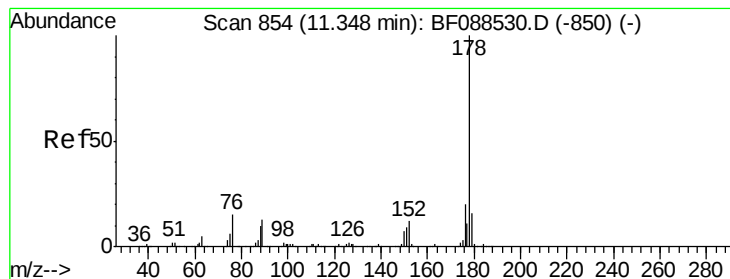
Tgt Ion:200 Resp: 11645
Ion Ratio Lower Upper
200 100
173 237.5 4.0 44.0#
215 207.9 29.3 69.3#



#69
Pentachlorophenol
Concen: 6.90 ng
RT: 11.21 min Scan# 842
Delta R.T. 0.11 min
Lab File: BF088720.D
Acq: 5 Jul 2016 23:37

Tgt Ion:266 Resp: 5474
Ion Ratio Lower Upper
266 100
268 0.0 52.8 79.2#
264 104.2 49.6 74.4#





#70

Phenanthrene

Concen: 75.11 ng

RT: 11.38 min Scan# 857

Delta R.T. 0.07 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

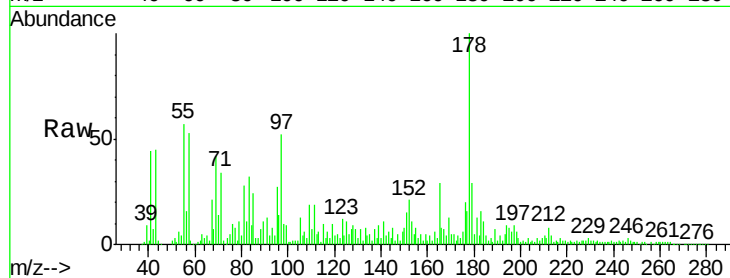
Tgt Ion:178 Resp: 493257

Ion Ratio Lower Upper

178 100

176 20.3 15.8 23.6

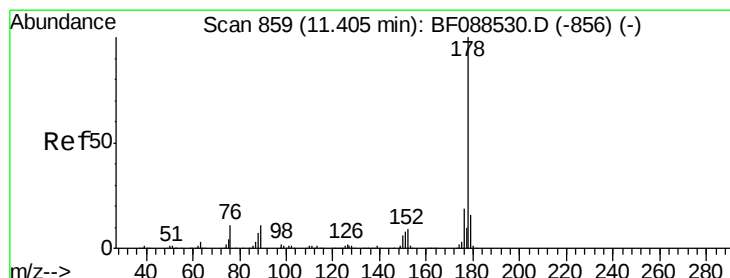
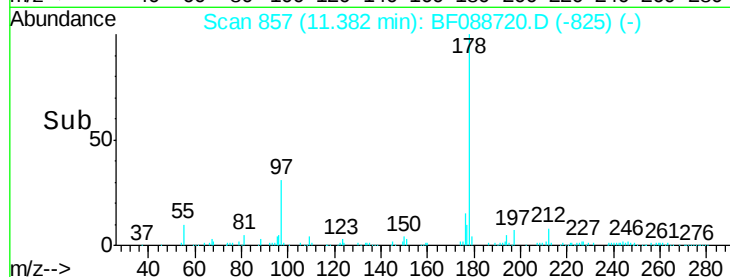
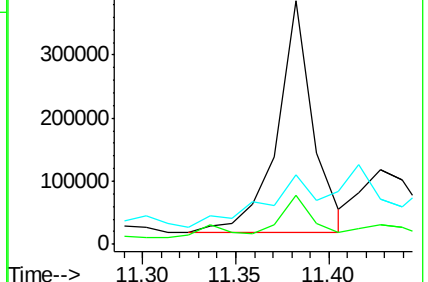
179 28.5 13.0 19.4#



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: 17.66 ng

RT: 11.43 min Scan# 861

Delta R.T. 0.06 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

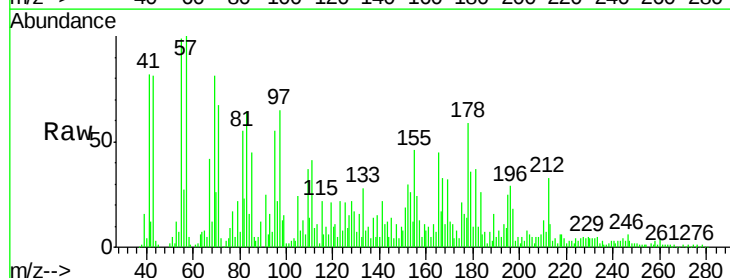
Tgt Ion:178 Resp: 115346

Ion Ratio Lower Upper

178 100

176 26.6 15.6 23.4#

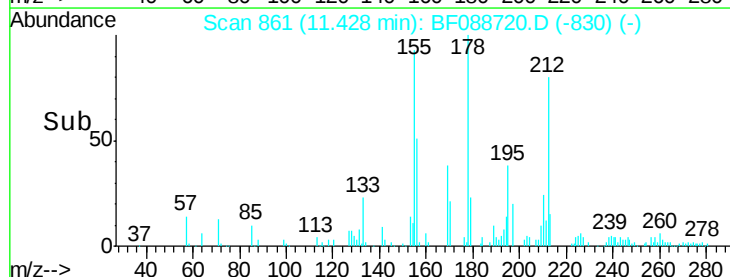
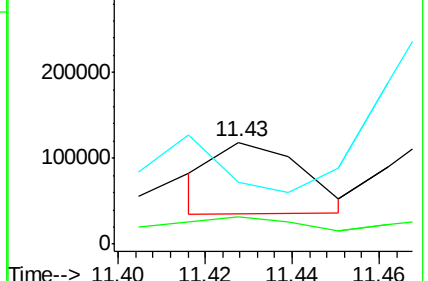
179 60.2 12.8 19.2#

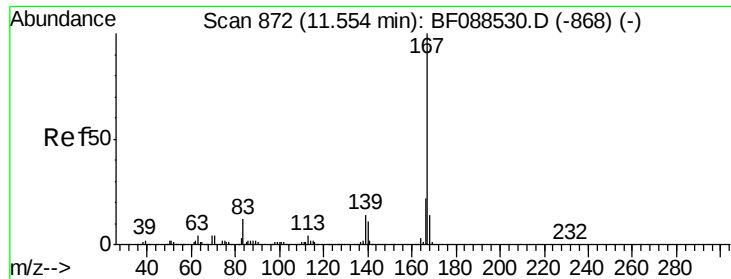


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 3.51 ng

RT: 11.63 min Scan# 879

Delta R.T. 0.11 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

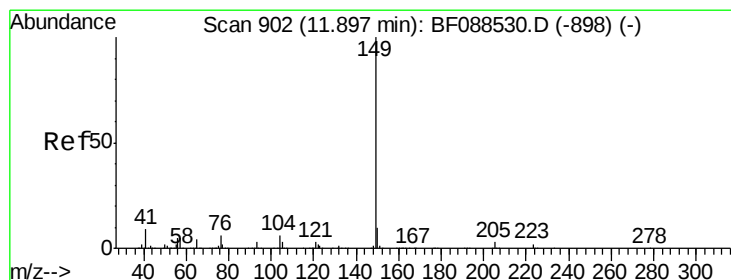
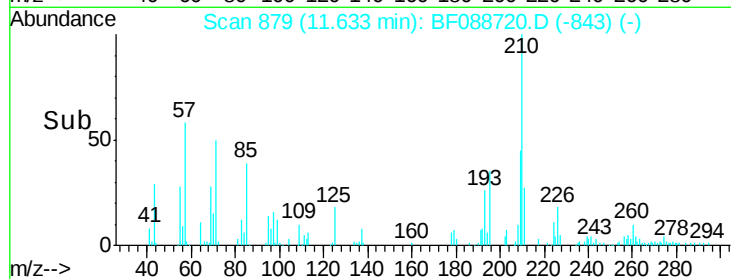
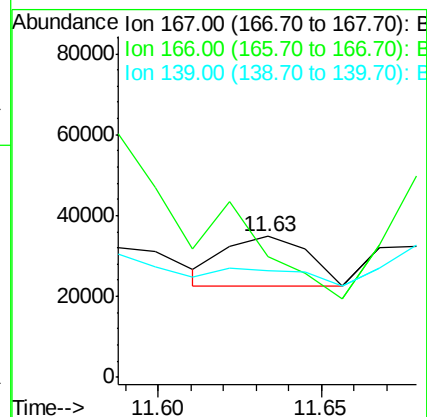
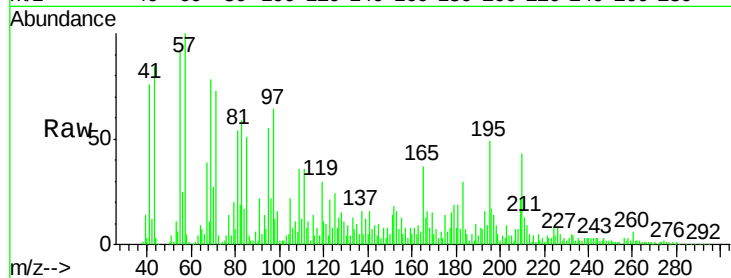
Tgt Ion:167 Resp: 21549

Ion Ratio Lower Upper

167 100

166 85.8 17.8 26.6#

139 75.8 11.2 16.8#



#73

Di-n-butylphthalate

Concen: 4.98 ng

RT: 11.90 min Scan# 902

Delta R.T. 0.03 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

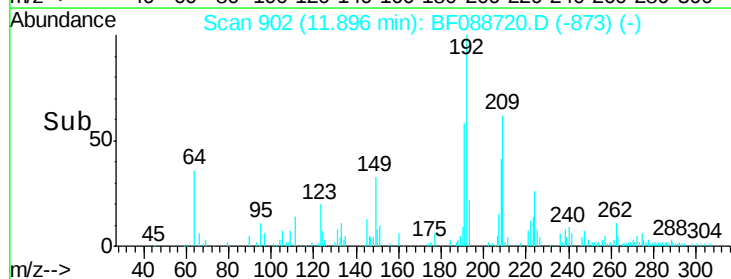
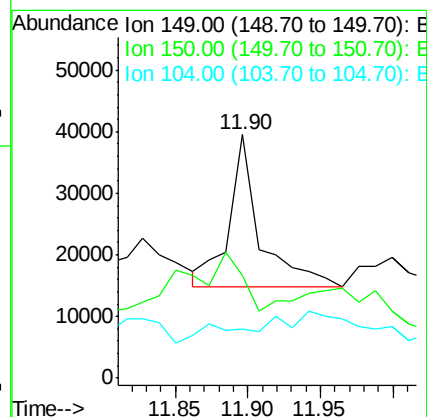
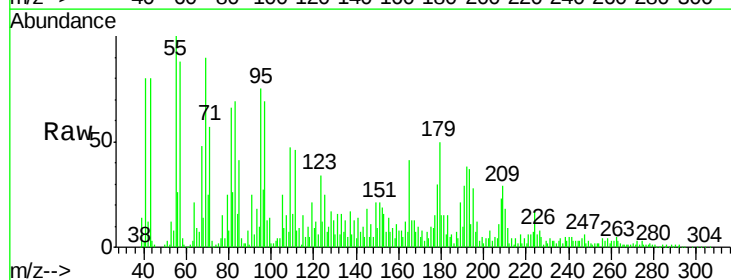
Tgt Ion:149 Resp: 35630

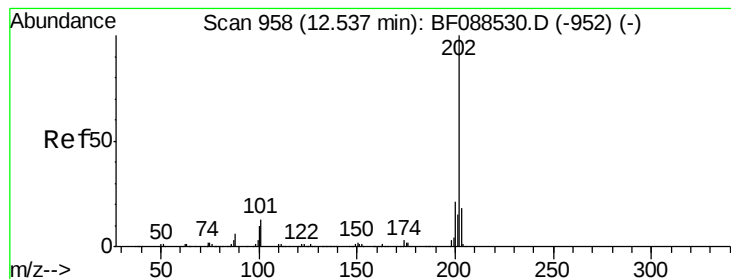
Ion Ratio Lower Upper

149 100

150 42.2 7.8 11.6#

104 20.2 4.0 6.0#





#74

Fluoranthene

Concen: 23.97 ng

RT: 12.76 min Scan# 978

Delta R.T. 0.27 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

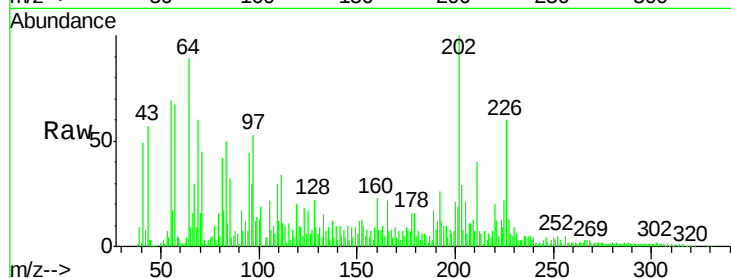
Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

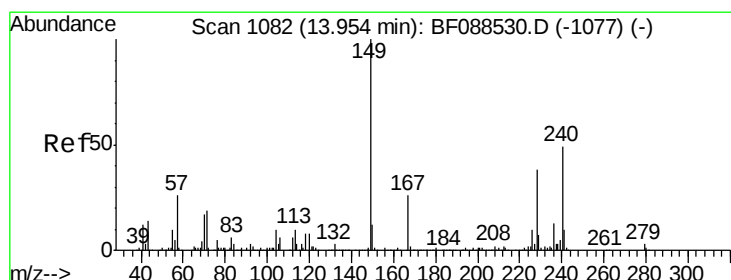
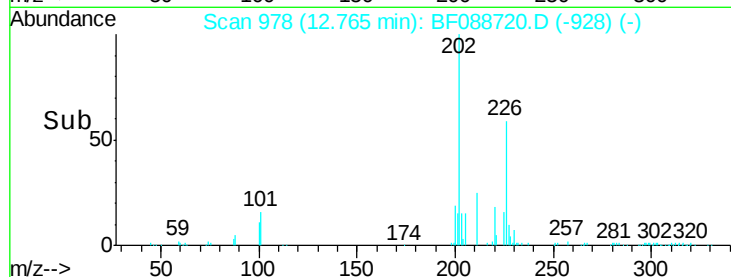
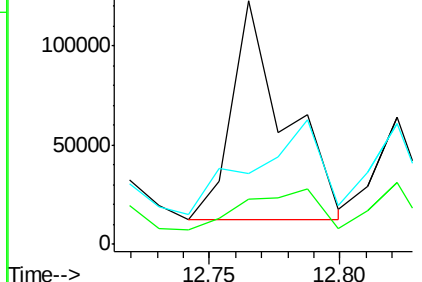
Tgt Ion:	202	Resp:	159617
Ion Ratio	Lower	Upper	
202	100		
101	18.6	0.0	33.1
203	29.2	0.0	38.1



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

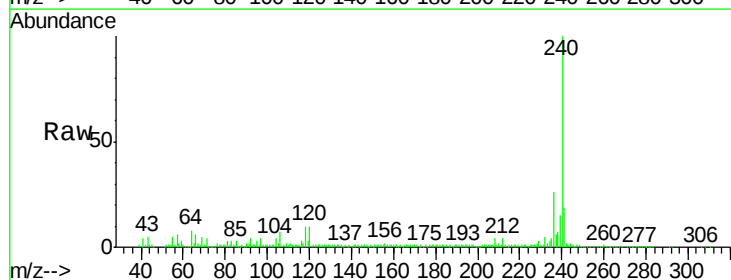
RT: 13.92 min Scan# 1079

Delta R.T. -0.00 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

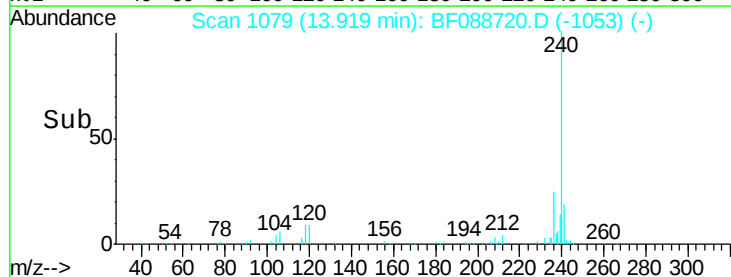
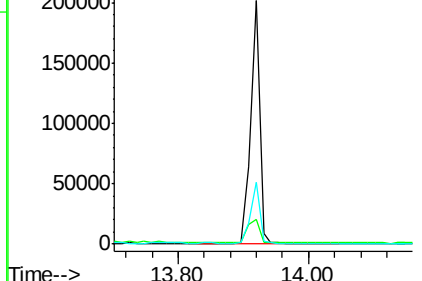
Tgt Ion:	240	Resp:	190490
Ion Ratio	Lower	Upper	
240	100		
120	10.3	6.8	10.2#
236	25.7	20.2	30.2

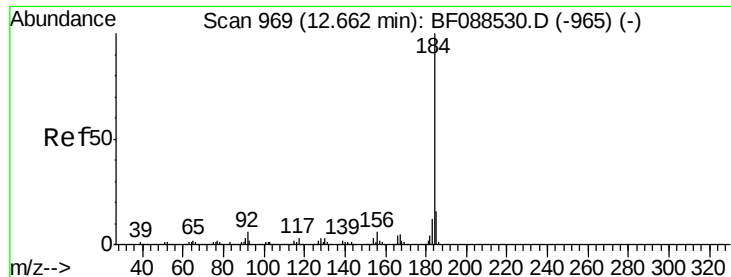


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 2.13 ng

RT: 12.60 min Scan# 964

Delta R.T. -0.01 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

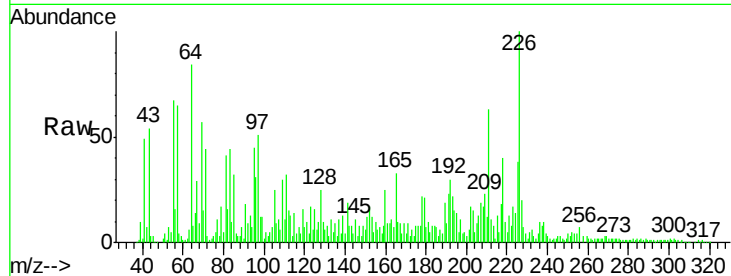
Tgt Ion:184 Resp: 20545

Ion Ratio Lower Upper

184 100

185 87.1 12.5 18.7#

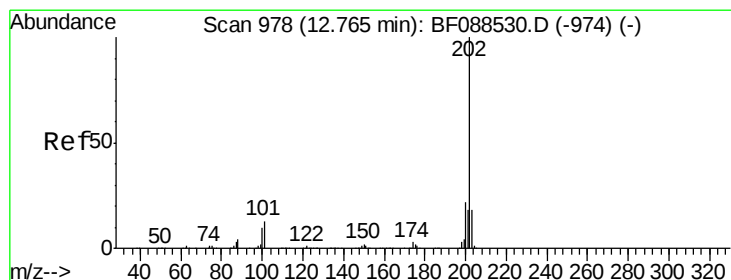
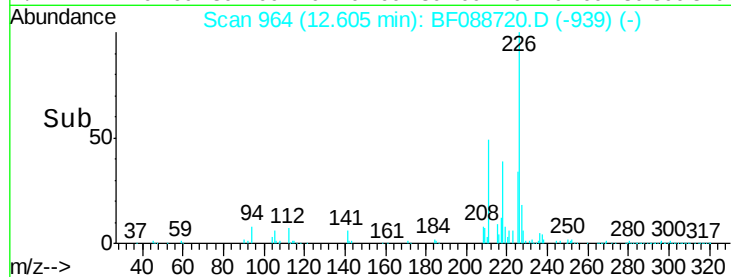
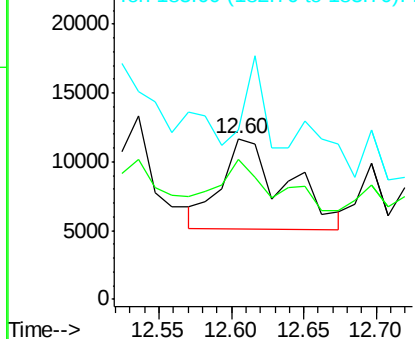
183 105.1 9.3 13.9#



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: 2.26 ng

RT: 12.72 min Scan# 974

Delta R.T. -0.00 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

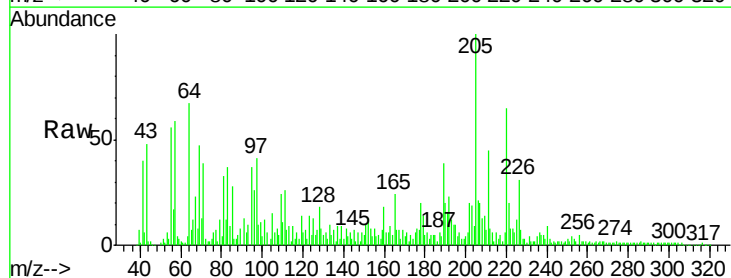
Tgt Ion:202 Resp: 36494

Ion Ratio Lower Upper

202 100

200 20.0 17.4 26.2

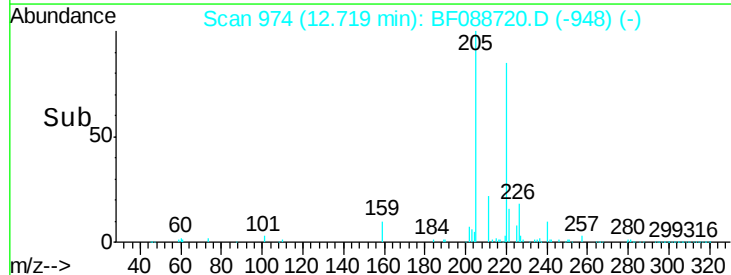
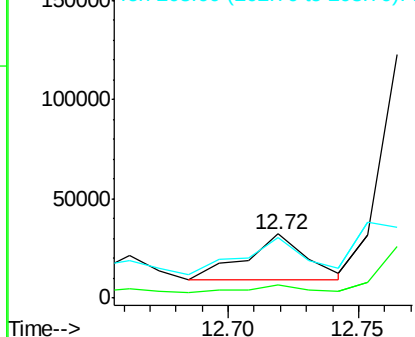
203 94.5 14.5 21.7#

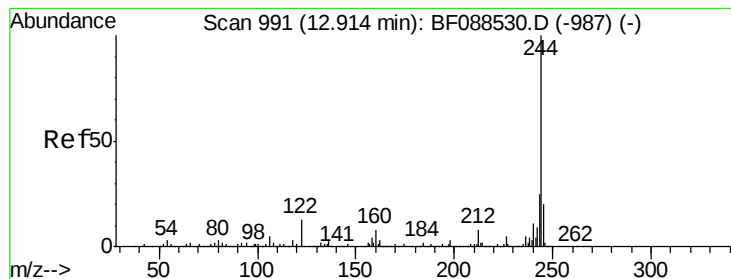


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 57.57 ng

RT: 12.90 min Scan# 990

Delta R.T. 0.03 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

Instrument :

BNA_F

ClientSampleId :

EPCH-B2(13-15)RE

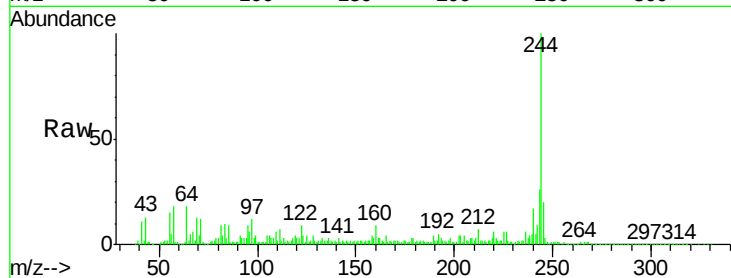
Tgt Ion:244 Resp: 492378

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

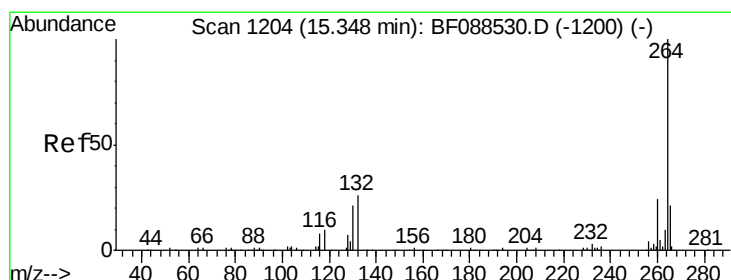
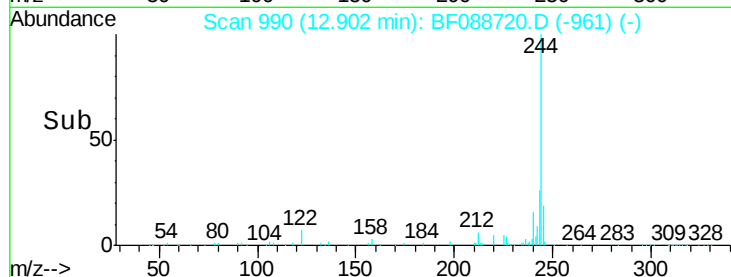
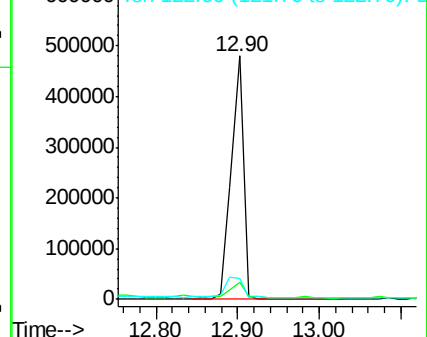
122 8.6 11.2 16.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.30 min Scan# 1200

Delta R.T. -0.00 min

Lab File: BF088720.D

Acq: 5 Jul 2016 23:37

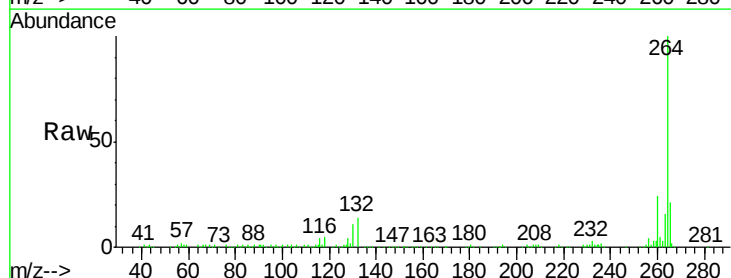
Tgt Ion:264 Resp: 200631

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.1 16.9 25.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

