

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040816\
 Data File : BF086194.D
 Acq On : 9 Apr 2016 3:25
 Operator : UM/SJ
 Sample : H2099-10
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DRAIN

Quant Time: Apr 09 05:30:27 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	102826	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	158426	20.00	ng	-0.03
38) Acenaphthene-d10	9.80	164	114383	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	200741	20.00	ng	-0.02
75) Chrysene-d12	13.89	240	237793	20.00	ng	-0.03
86) Perylene-d12	15.29	264	187467	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	679898	113.02	ng	-0.05
7) Phenol-d6	6.38	99	784064	102.61	ng	-0.03
23) Nitrobenzene-d5	7.31	82	490229	182.48	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	134600	125.37	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	559921	81.39	ng	-0.02
78) Terphenyl-d14	12.84	244	523681	51.77	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.28	77	52991	12.89	ng	# 1
15) Benzyl Alcohol	6.89	79	18795	3.80	ng	# 42
18) Hexachloroethane	7.23	117	95401	33.11	ng	# 1
19) n-Nitroso-di-n-propylamine	7.14	70	11121	2.35	ng	# 49
22) Acetophenone	7.14	105	707656	190.02	ng	# 48
24) Nitrobenzene	7.28	77	110365	37.55	ng	# 37
25) Isophorone	7.56	82	151389	28.55	ng	# 1
26) 2-Nitrophenol	7.66	139	12474	8.87	ng	# 1
27) 2,4-Dimethylphenol	7.68	122	11335	4.49	ng	# 1
28) bis(2-Chloroethoxy)methane	7.81	93	30201	9.71	ng	# 1
29) 2,4-Dichlorophenol	7.88	162	28890	13.53	ng	# 35
30) 1,2,4-Trichlorobenzene	7.93	180	7760	3.24	ng	# 68
31) Naphthalene	8.02	128	131084	16.45	ng	# 1
32) Benzoic acid	7.82	122	13390	7.23	ng	# 1
33) 4-Chloroaniline	8.16	127	11518	3.58	ng	# 26
35) Caprolactam	8.48	113	143347	211.63	ng	# 1
36) 4-Chloro-3-methylphenol	8.58	107	27074	11.28	ng	# 48
37) 2-Methylnaphthalene	8.76	142	606434	116.49	ng	# 96
42) 2,4,6-Trichlorophenol	9.04	196	5172	2.34	ng	# 13
43) 2,4,5-Trichlorophenol	9.04	196	5172	2.31	ng	# 1
45) 1,1'-Biphenyl	9.22	154	46653	4.73	ng	# 94
47) 2-Nitroaniline	9.39	65	10086	4.82	ng	# 39
48) Acenaphthylene	9.66	152	85864	7.50	ng	# 29
49) Dimethylphthalate	9.52	163	66202	7.81	ng	# 68
50) 2,6-Dinitrotoluene	9.52	165	5429	3.03	ng	# 87
51) Acenaphthene	9.84	154	59495	8.73	ng	# 61
52) 3-Nitroaniline	9.78	138	9808	4.54	ng	# 60
53) 2,4-Dinitrophenol	9.88	184	1182	3.79	ng	# 1
54) Dibenzofuran	10.01	168	35261	3.92	ng	# 1
55) 4-Nitrophenol	9.90	139	69582	54.60	ng	# 52
56) 2,4-Dinitrotoluene	10.01	165	41877	18.48	ng	# 63
57) Fluorene	10.35	166	145425	18.93	ng	# 81
59) Diethylphthalate	10.21	149	25096	2.93	ng	# 24
60) 4-Chlorophenyl-phenylether	10.28	204	10688	2.99	ng	# 1

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
61) 4-Nitroaniline	10.42	138	8244	3.87	ng	# 47
62) Azobenzene	10.49	77	18747	2.29	ng	# 1
65) n-Nitrosodiphenylamine	10.46	169	243081	38.72	ng	# 55
68) Atrazine	11.00	200	77128	38.02	ng	# 74
69) Pentachlorophenol	11.12	266	6430	6.47	ng	# 27
70) Phenanthrene	11.30	178	410140	37.45	ng	# 94
71) Anthracene	11.36	178	41930	3.65	ng	# 71
72) Carbazole	11.50	167	42924	4.35	ng	# 1
73) Di-n-butylphthalate	11.70	149	35195	2.88	ng	# 1
74) Fluoranthene	12.48	202	413440	36.30	ng	# 96
77) Pyrene	12.70	202	479161	28.59	ng	# 99
79) Butylbenzylphthalate	13.31	149	20941	2.78	ng	# 69
80) Benzo(a)anthracene	13.88	228	266040	18.98	ng	# 94
82) Chrysene	13.92	228	183979	13.63	ng	# 97
83) Bis(2-ethylhexyl)phthalate	13.87	149	29486	2.94	ng	# 89
85) Indeno(1,2,3-cd)pyrene	16.63	276	76992	7.03	ng	# 92
87) Benzo(b)fluoranthene	14.90	252	274012	23.24	ng	# 96
88) Benzo(k)fluoranthene	14.90	252	274012	26.24	ng	# 94
89) Benzo(a)pyrene	15.23	252	149155	14.27	ng	# 96
90) Dibenzo(a,h)anthracene	16.63	278	21505	2.56	ng	# 75
91) Benzo(g,h,i)perylene	17.03	276	75928	9.33	ng	# 98

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

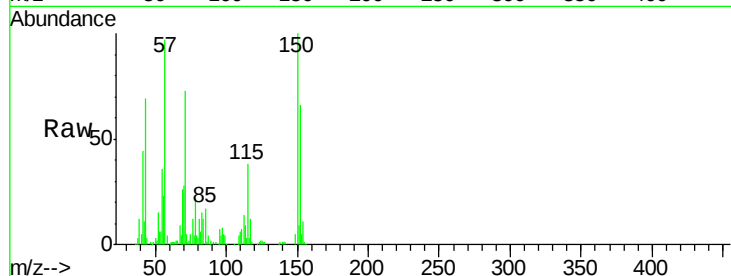
Tgt Ion:152 Resp: 102826

Ion Ratio Lower Upper

152 100

150 151.8 124.2 186.2

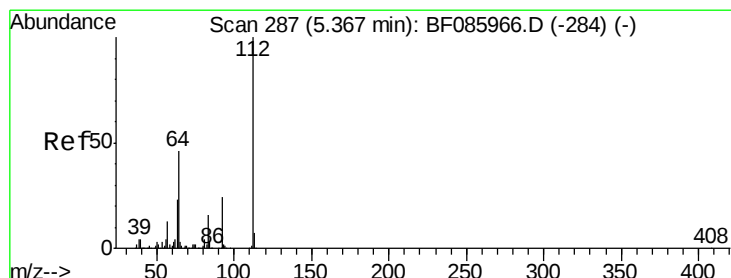
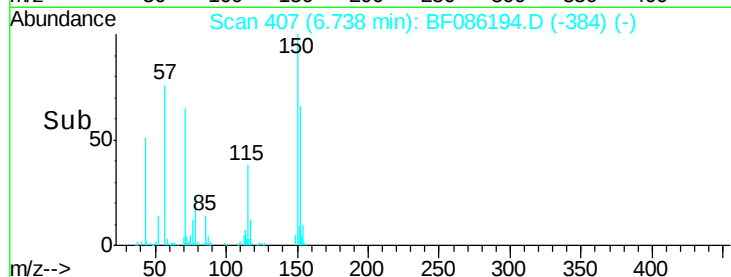
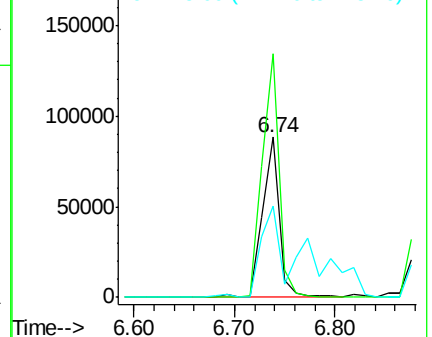
115 57.3 47.0 70.6



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: 113.02 ng

RT: 5.32 min Scan# 283

Delta R.T. -0.05 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

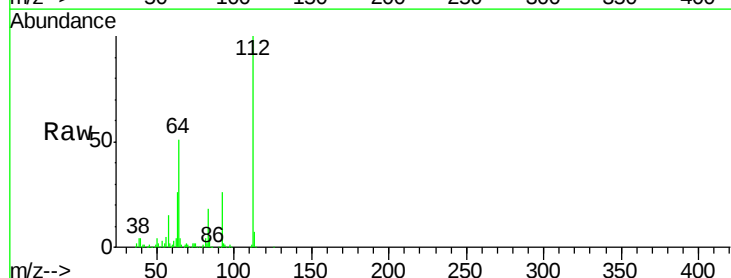
Tgt Ion:112 Resp: 679898

Ion Ratio Lower Upper

112 100

64 51.3 39.9 59.9

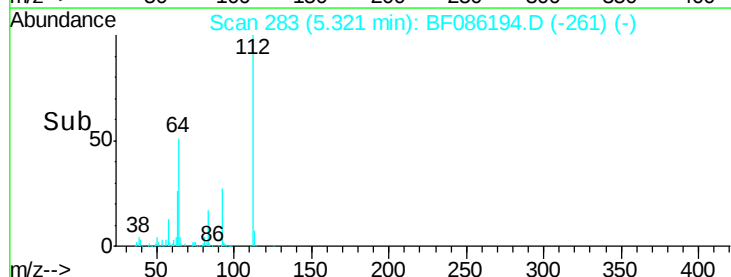
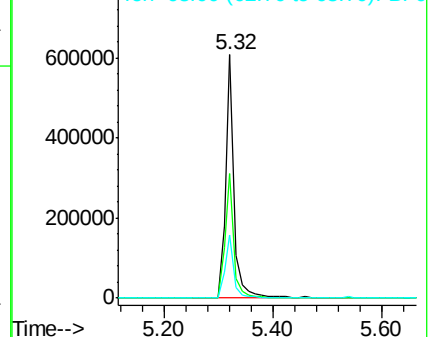
63 25.8 20.2 30.2

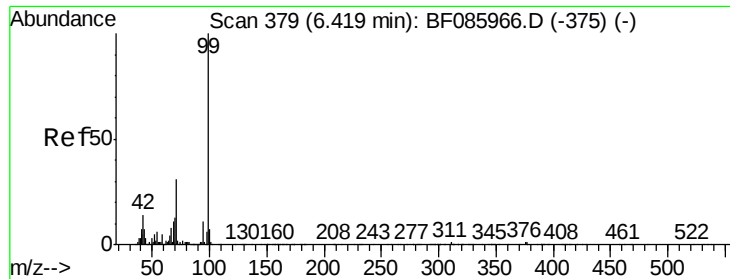


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.61 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

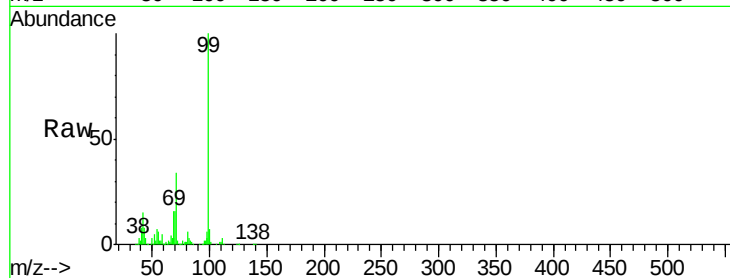
Tgt Ion: 99 Resp: 784064

Ion Ratio Lower Upper

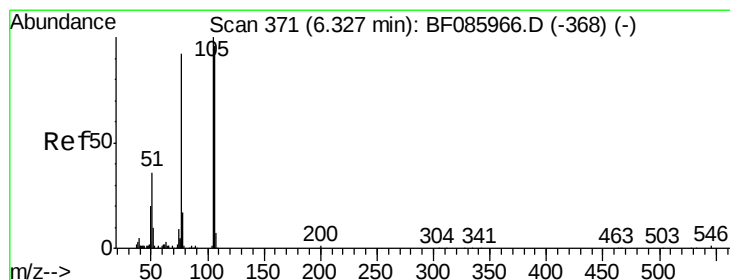
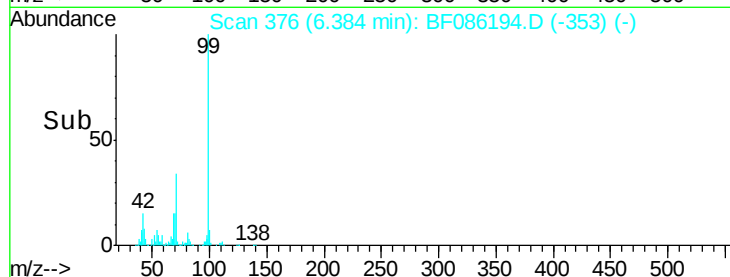
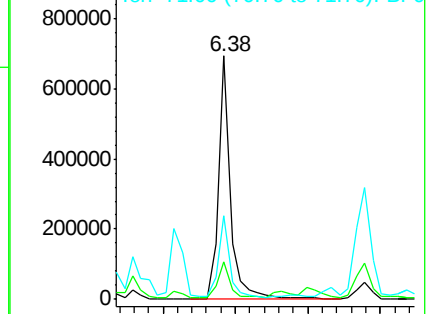
99 100

42 15.3 11.1 16.7

71 34.1 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 12.89 ng

RT: 6.28 min Scan# 367

Delta R.T. -0.05 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

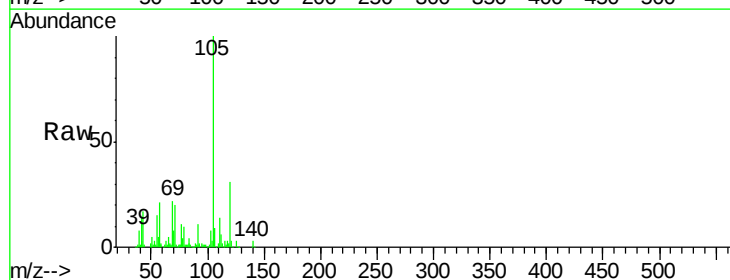
Tgt Ion: 77 Resp: 52991

Ion Ratio Lower Upper

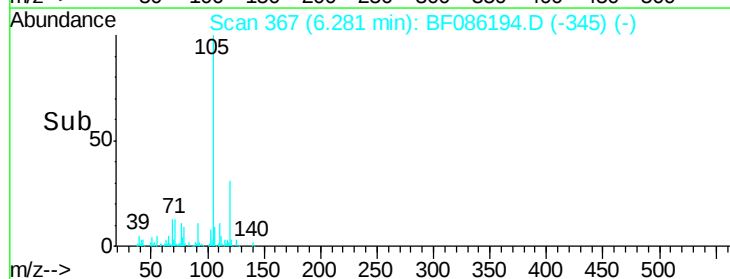
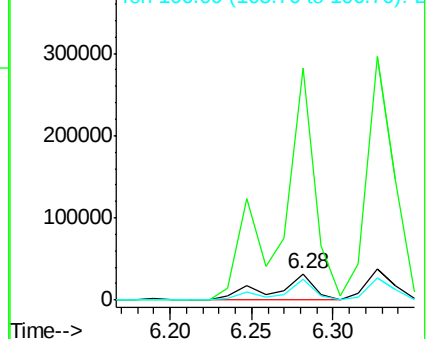
77 100

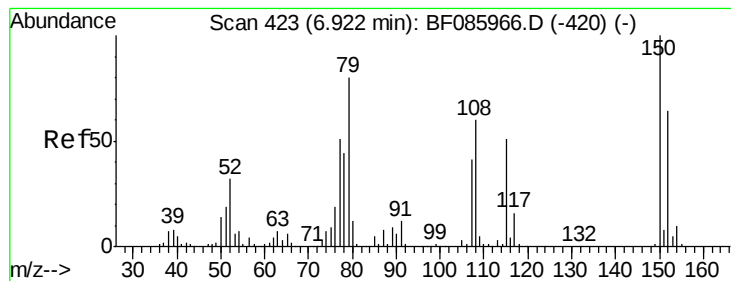
105 877.3 80.1 120.1#

106 77.0 75.0 115.0



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 3.80 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.03 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampled :

DRAIN

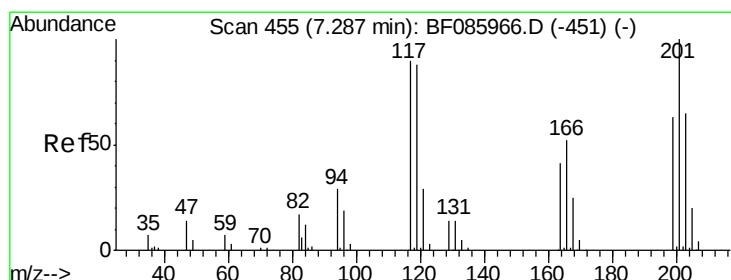
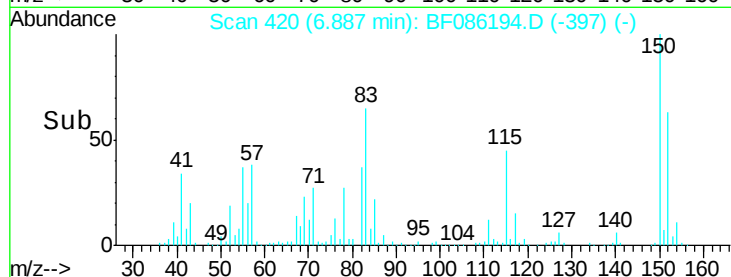
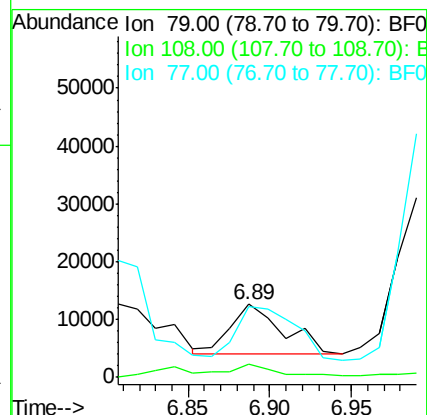
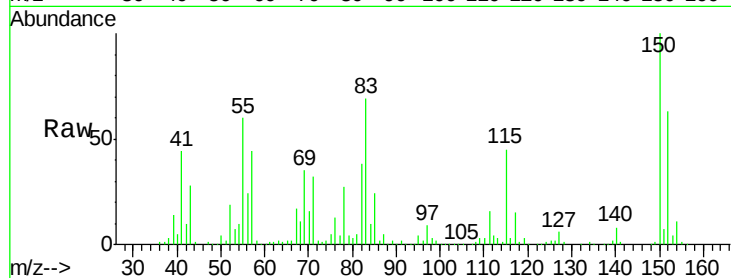
Tgt Ion: 79 Resp: 18795

Ion Ratio Lower Upper

79 100

108 17.6 61.8 92.6#

77 96.7 49.6 74.4#



#18

Hexachloroethane

Concen: 33.11 ng

RT: 7.23 min Scan# 450

Delta R.T. -0.06 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

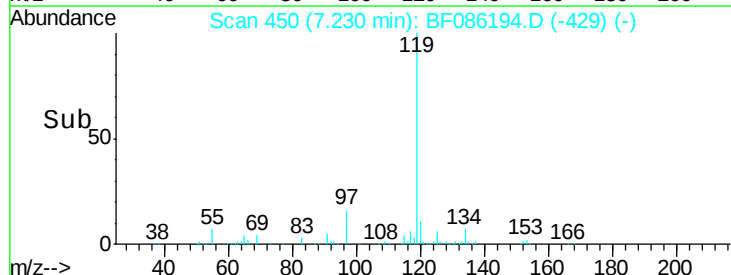
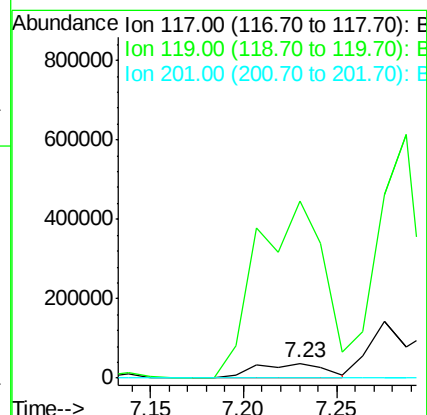
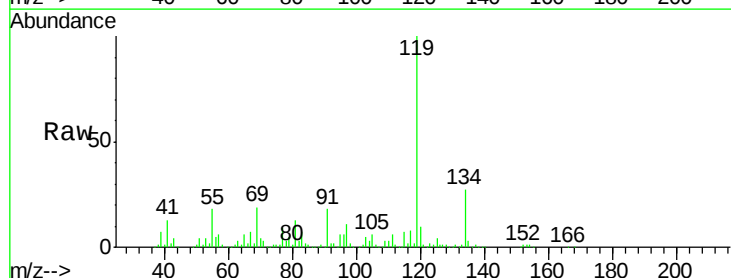
Tgt Ion: 117 Resp: 95401

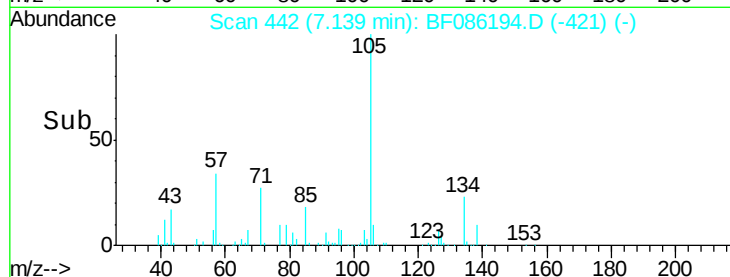
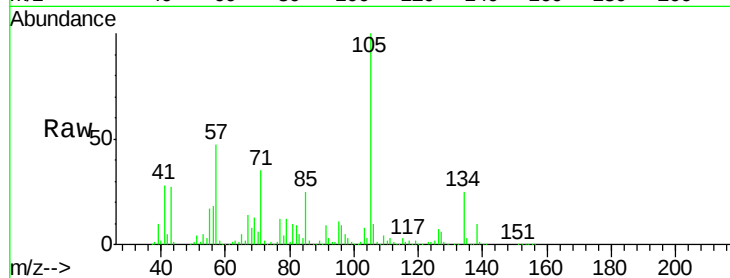
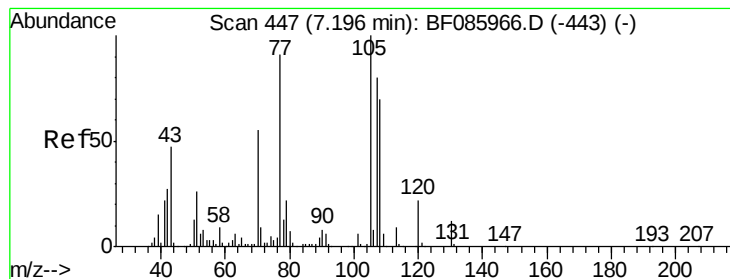
Ion Ratio Lower Upper

117 100

119 1198.7 76.7 115.1#

201 0.0 83.3 124.9#





#19

n-Nitroso-di-n-propylamine

Concen: 2.35 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.06 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampled :

DRAIN

Tgt Ion: 70 Resp: 11121

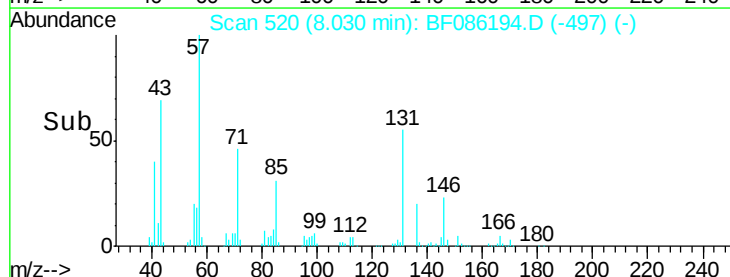
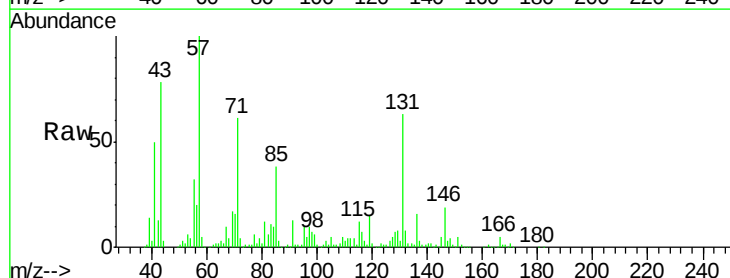
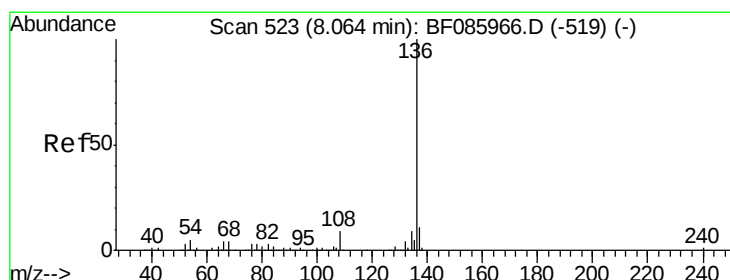
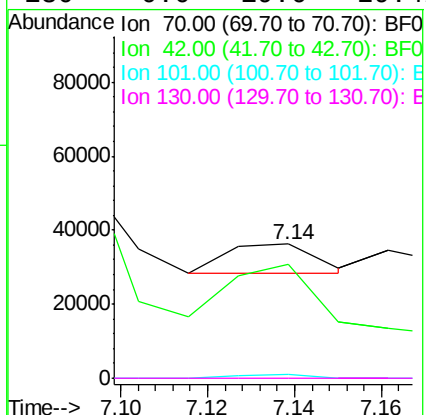
Ion Ratio Lower Upper

70 100

42 85.1 37.1 55.7#

101 2.9 8.6 12.8#

130 0.0 19.6 29.4#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Tgt Ion: 136 Resp: 158426

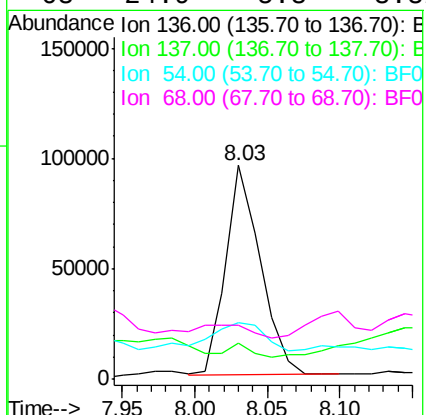
Ion Ratio Lower Upper

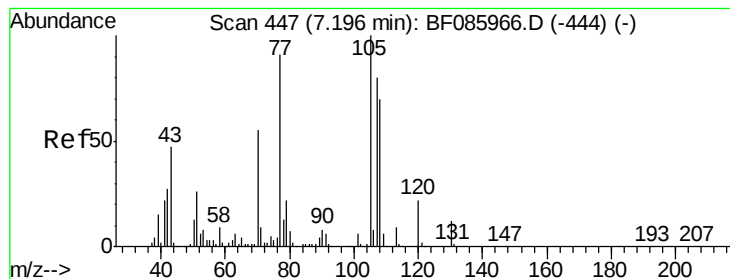
136 100

137 17.0 9.1 13.7#

54 26.2 7.4 11.0#

68 24.9 5.8 8.8#





#22

Acetophenone

Concen: 190.02 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.06 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

Tgt Ion: 105 Resp: 707656

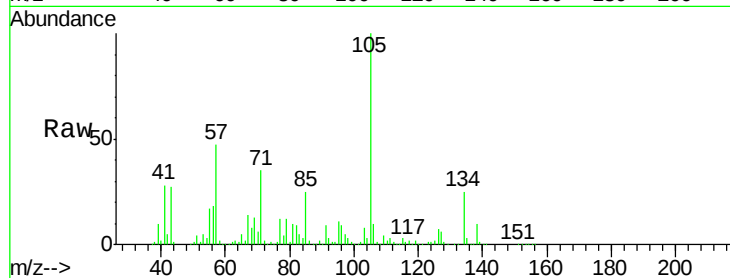
Ion Ratio Lower Upper

105 100

71 35.4 3.6 5.4#

51 3.6 25.4 38.0#

120 0.2 16.9 25.3#



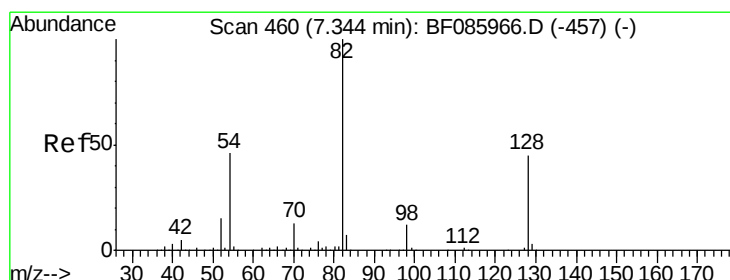
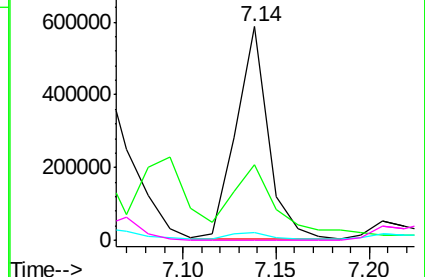
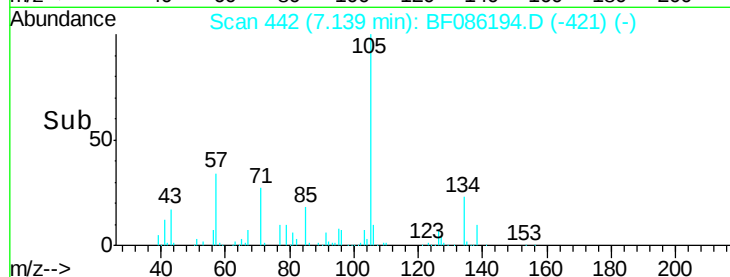
Abundance Ion 105.00 (104.70 to 105.70): E

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

Time-->



#23

Nitrobenzene-d5

Concen: 182.48 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

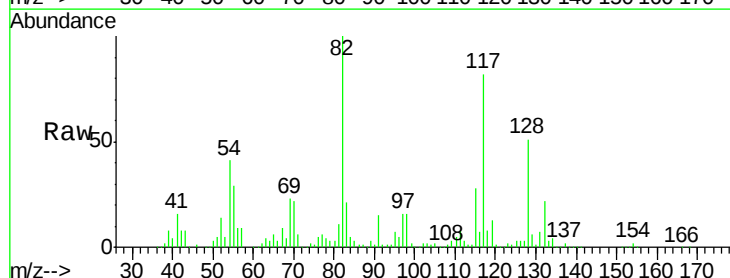
Tgt Ion: 82 Resp: 490229

Ion Ratio Lower Upper

82 100

128 50.8 41.8 62.8

54 41.3 33.4 50.0

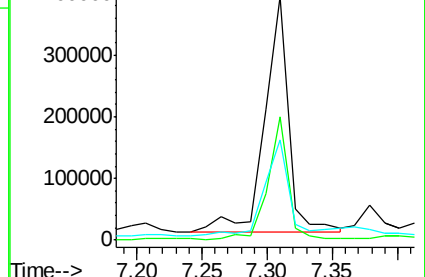
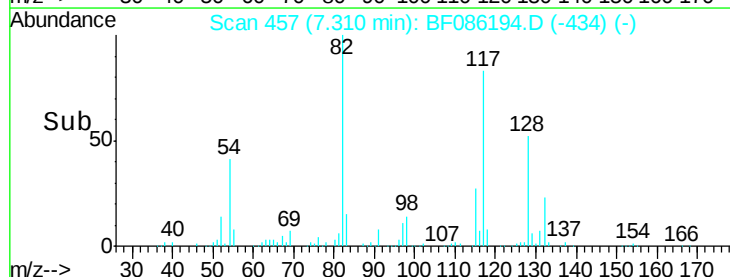


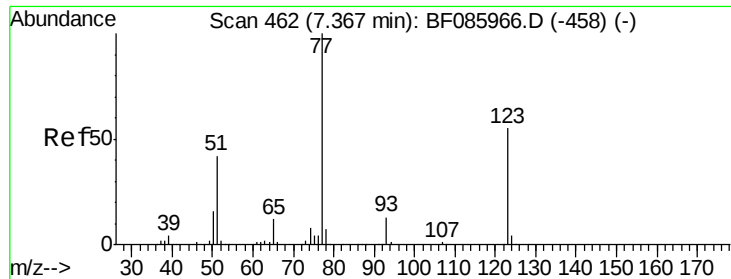
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

Time-->

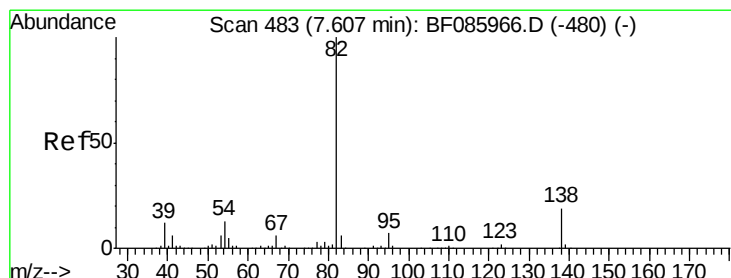
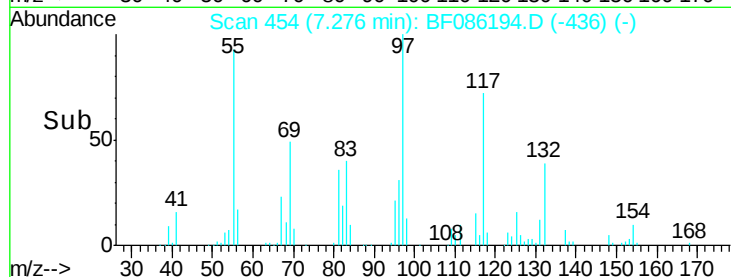
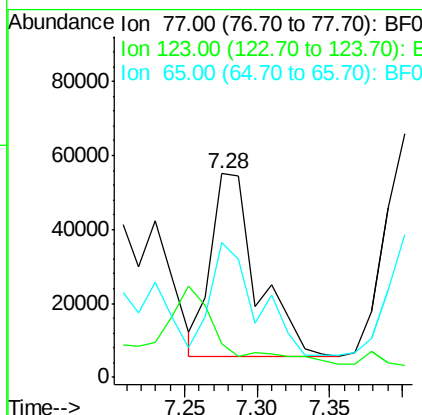
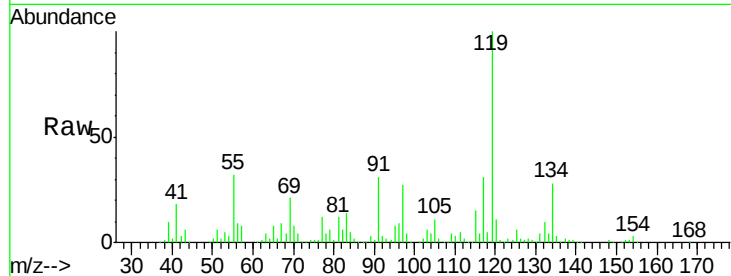




#24
 Nitrobenzene
 Concen: 37.55 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.09 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

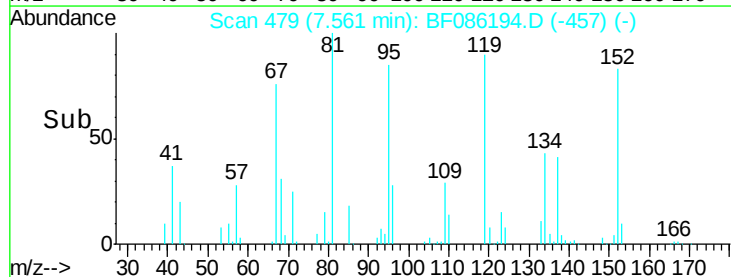
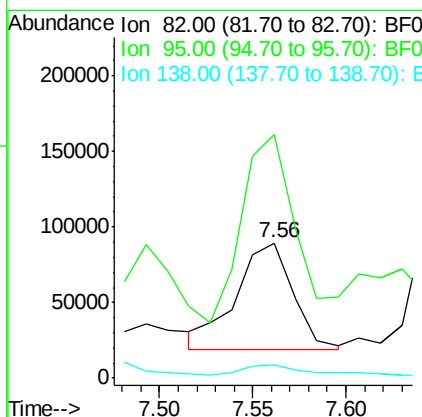
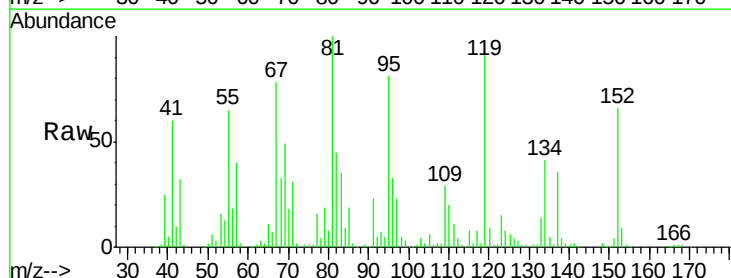
Instrument :
 BNA_F
 ClientSampleId :
 DRAIN

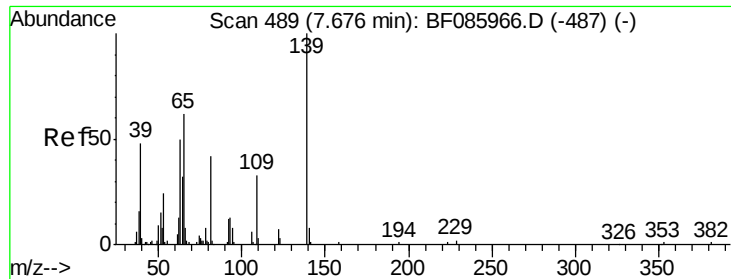
Tgt Ion: 77 Resp: 110365
 Ion Ratio Lower Upper
 77 100
 123 16.8 35.0 52.4#
 65 66.0 10.6 16.0#



#25
 Isophorone
 Concen: 28.55 ng
 RT: 7.56 min Scan# 479
 Delta R.T. -0.05 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Tgt Ion: 82 Resp: 151389
 Ion Ratio Lower Upper
 82 100
 95 180.2 5.4 8.2#
 138 9.6 12.9 19.3#

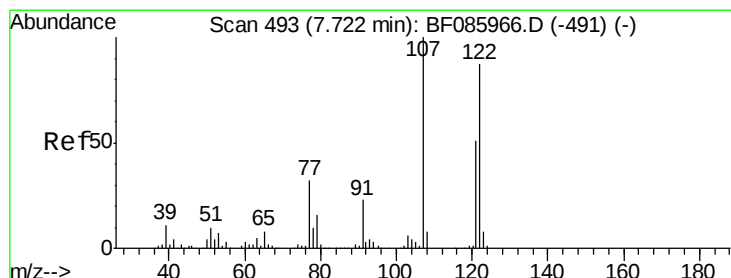
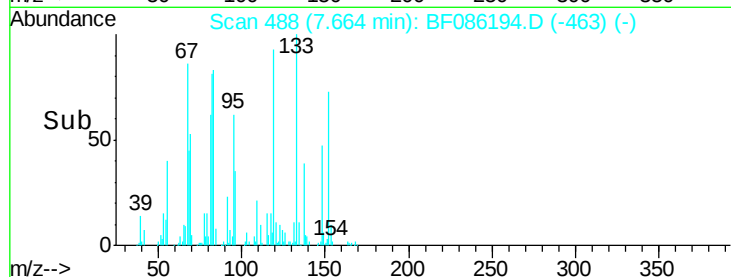
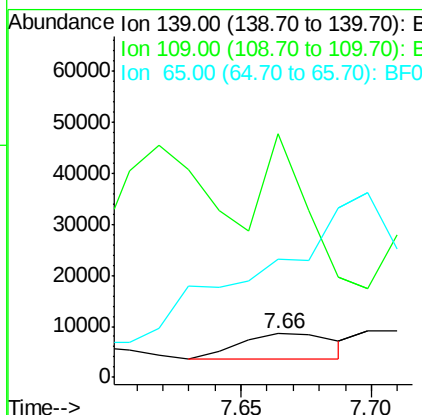
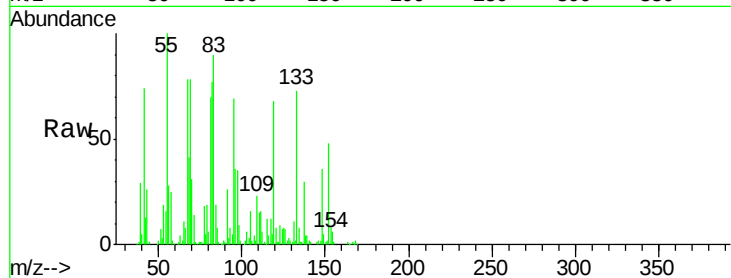




#26
 2-Nitrophenol
 Concen: 8.87 ng
 RT: 7.66 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

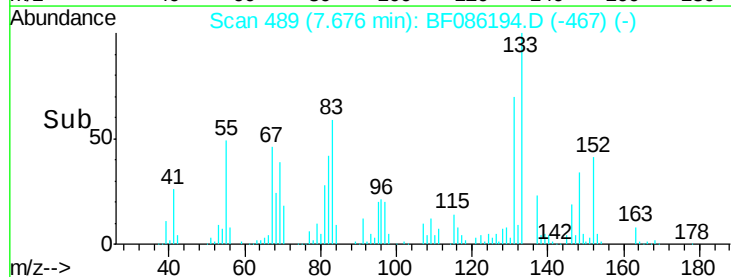
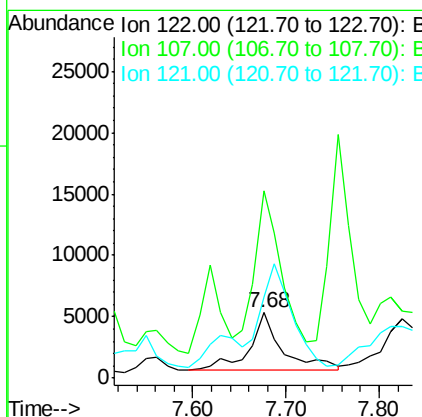
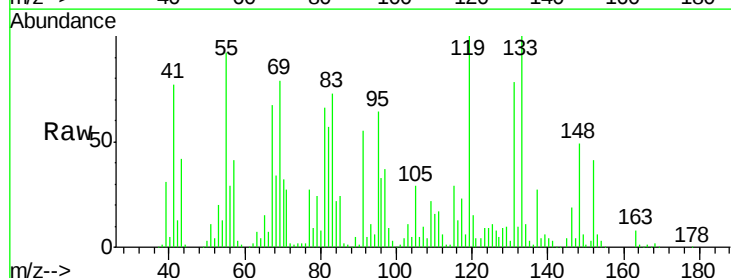
Instrument :
 BNA_F
 ClientSampleId :
 DRAIN

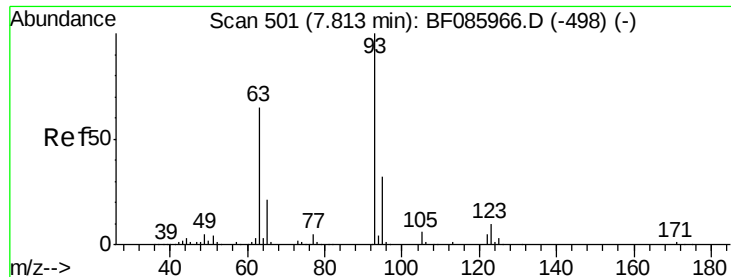
Tgt Ion:139 Resp: 12474
 Ion Ratio Lower Upper
 139 100
 109 556.3 22.1 33.1#
 65 270.2 33.9 50.9#



#27
 2,4-Dimethylphenol
 Concen: 4.49 ng
 RT: 7.68 min Scan# 489
 Delta R.T. -0.05 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Tgt Ion:122 Resp: 11335
 Ion Ratio Lower Upper
 122 100
 107 287.2 93.0 139.6#
 121 123.1 45.9 68.9#

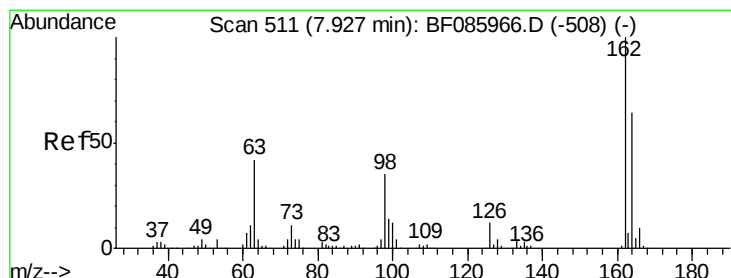
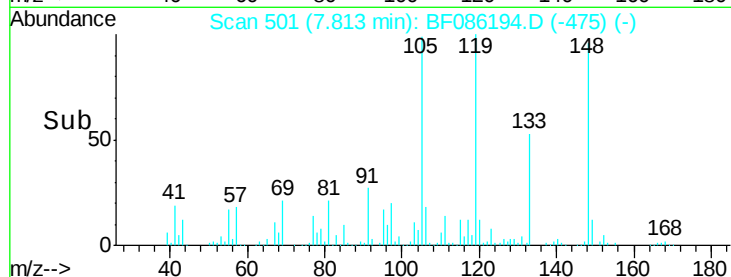
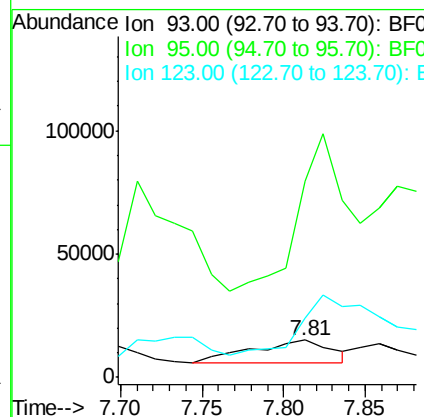
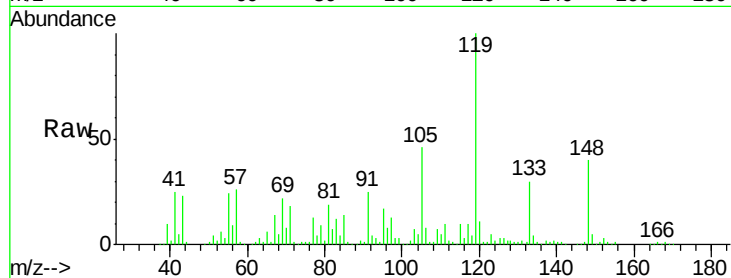




#28
bis(2-Chloroethoxy)methane
Concen: 9.71 ng
RT: 7.81 min Scan# 501
Delta R.T. -0.00 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

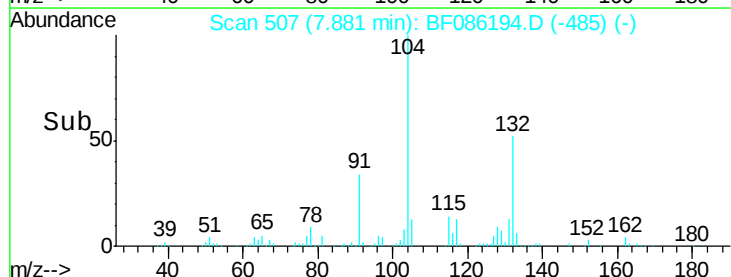
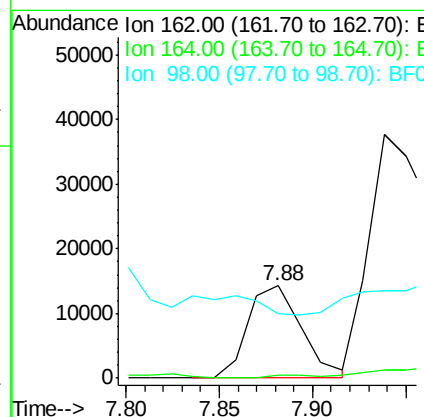
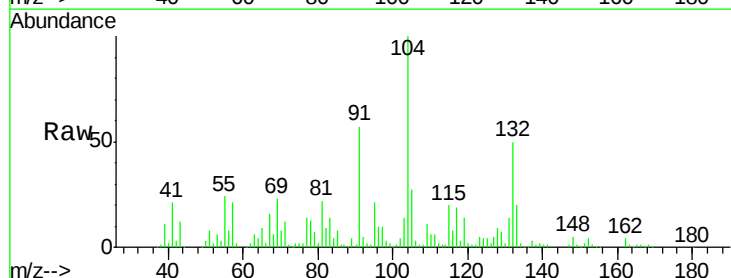
Instrument :
BNA_F
ClientSampled :
DRAIN

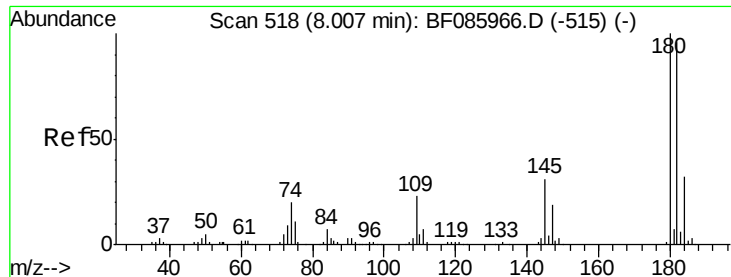
Tgt Ion: 93 Resp: 30201
Ion Ratio Lower Upper
93 100
95 528.5 26.4 39.6#
123 159.4 9.8 14.6#



#29
2,4-Dichlorophenol
Concen: 13.53 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.05 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

Tgt Ion: 162 Resp: 28890
Ion Ratio Lower Upper
162 100
164 3.9 43.7 83.7#
98 69.4 20.4 60.4#

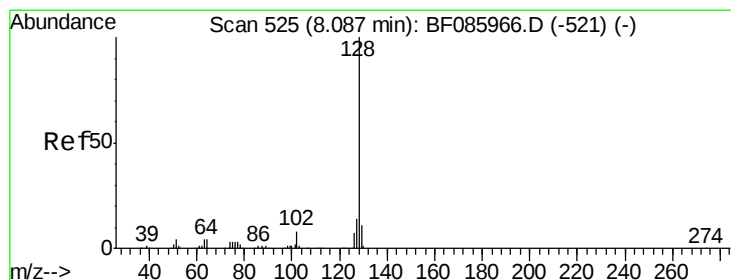
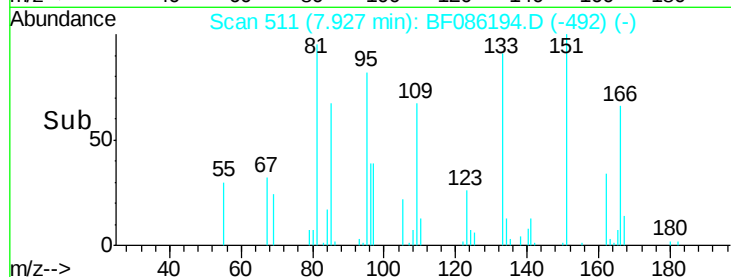
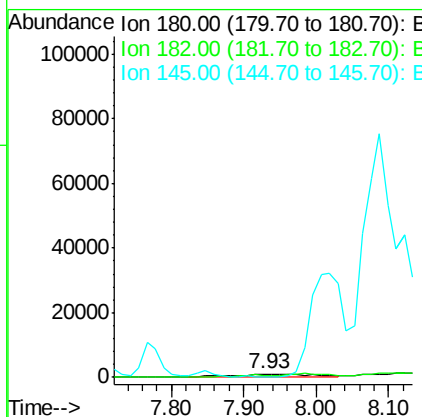
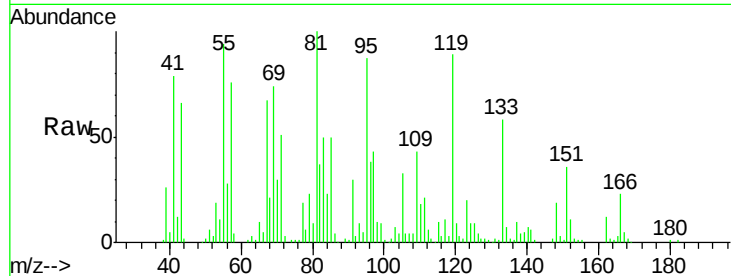




#30
 1,2,4-Trichlorobenzene
 Concen: 3.24 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.08 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

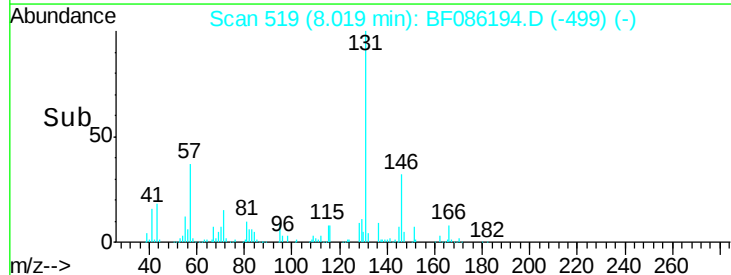
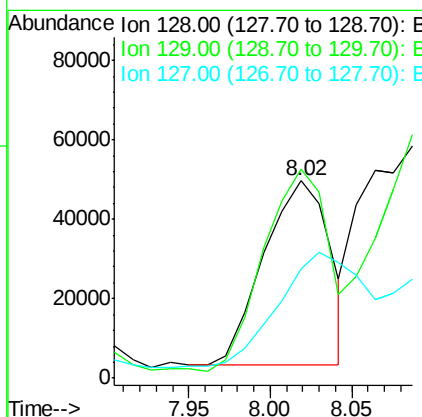
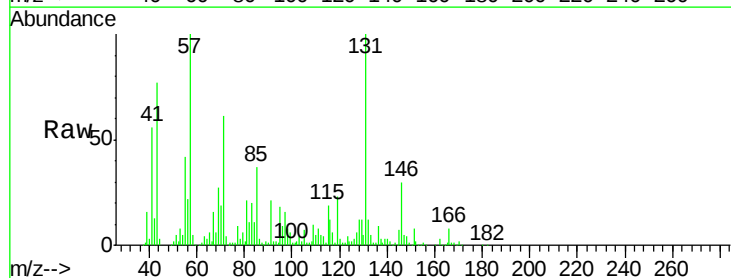
Instrument :
 BNA_F
 ClientSampled :
 DRAIN

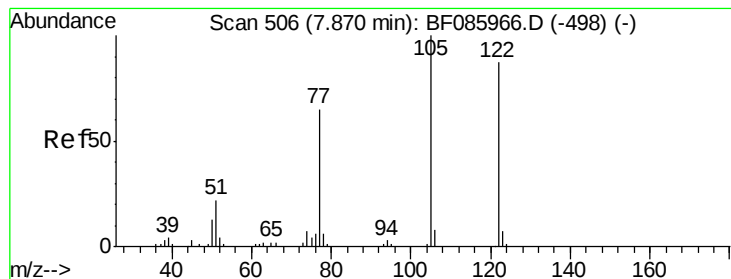
Tgt Ion:180 Resp: 7760
 Ion Ratio Lower Upper
 180 100
 182 72.6 73.8 110.8#
 145 0.0 28.4 42.6#



#31
 Naphthalene
 Concen: 16.45 ng
 RT: 8.02 min Scan# 519
 Delta R.T. -0.07 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Tgt Ion:128 Resp: 131084
 Ion Ratio Lower Upper
 128 100
 129 106.1 9.4 14.0#
 127 55.3 11.0 16.6#





#32

Benzoic acid

Concen: 7.23 ng

RT: 7.82 min Scan# 502

Delta R.T. -0.05 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

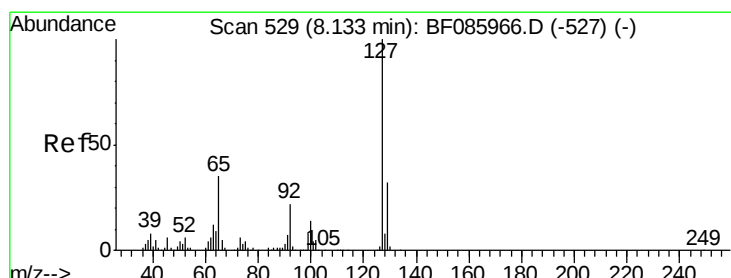
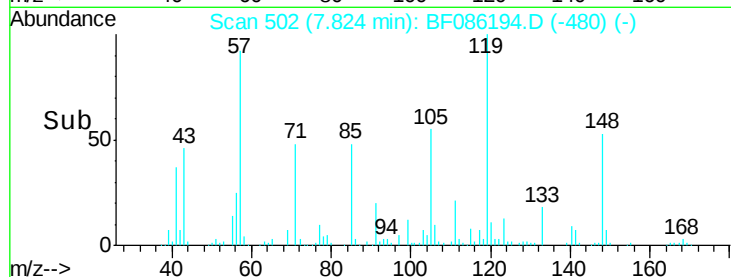
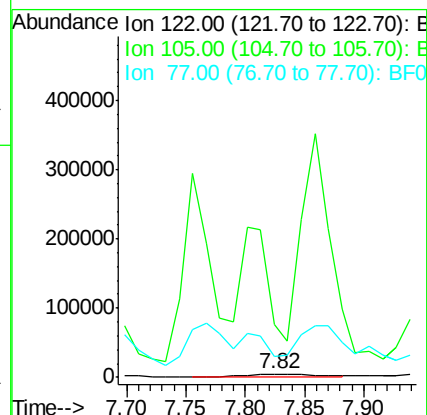
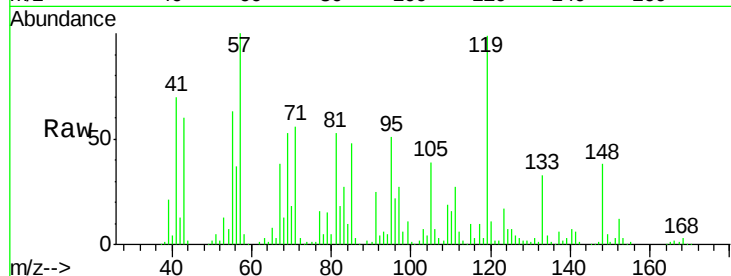
Tgt Ion:122 Resp: 13390

Ion Ratio Lower Upper

122 100

105 1589.3 102.9 142.9#

77 636.3 71.8 111.8#



#33

4-Chloroaniline

Concen: 3.58 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.02 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Tgt Ion:127 Resp: 11518

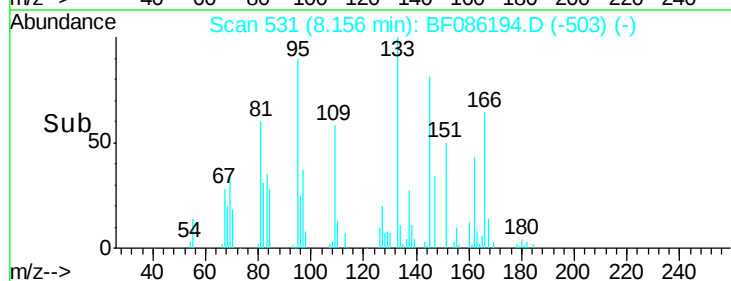
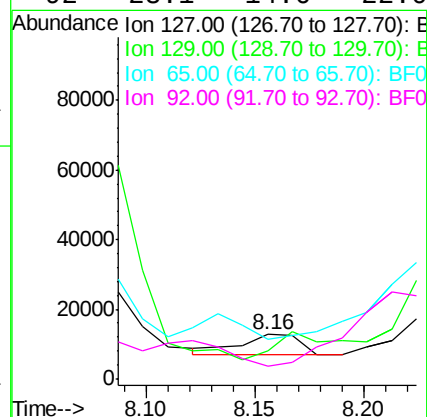
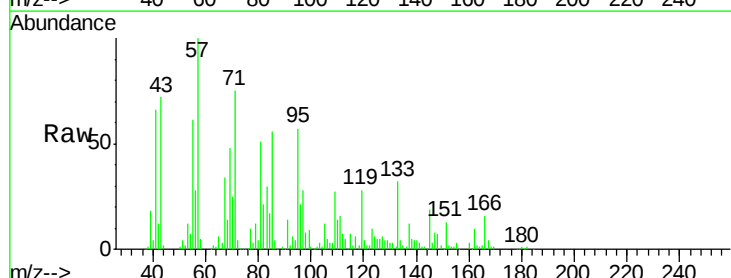
Ion Ratio Lower Upper

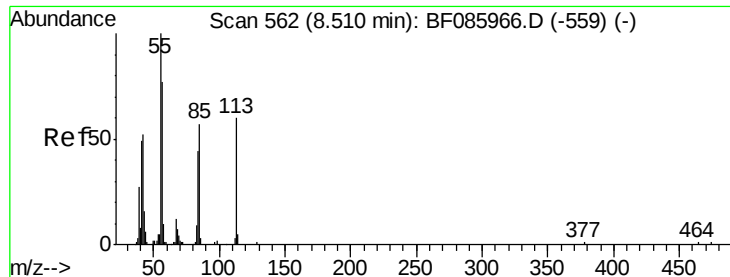
127 100

129 64.8 26.1 39.1#

65 91.0 19.5 29.3#

92 28.1 14.6 22.0#

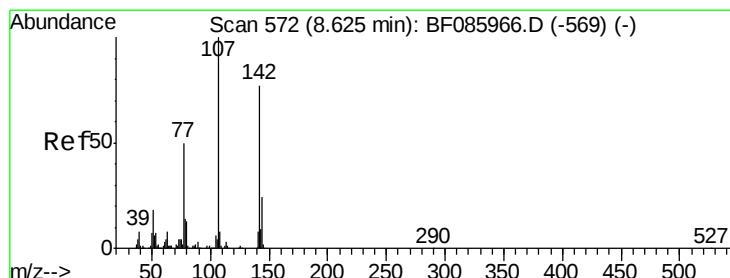
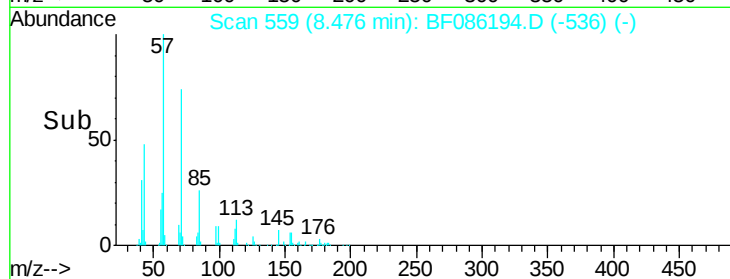
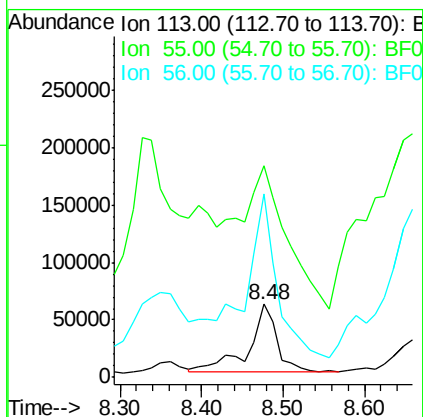
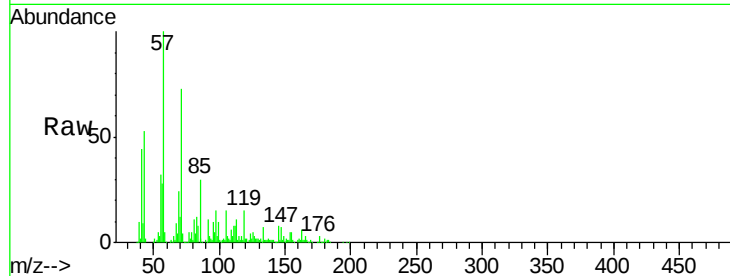




#35
 Caprolactam
 Concen: 211.63 ng
 RT: 8.48 min Scan# 559
 Delta R.T. -0.03 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

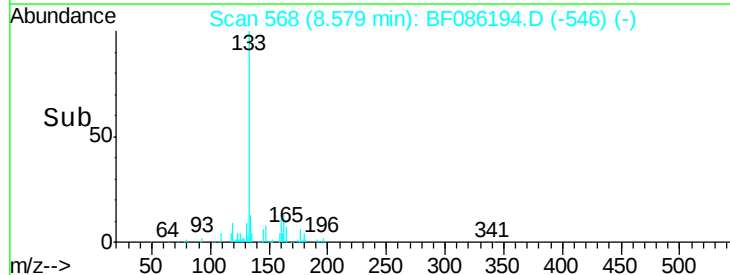
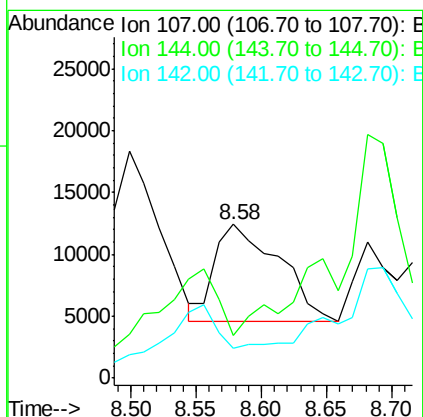
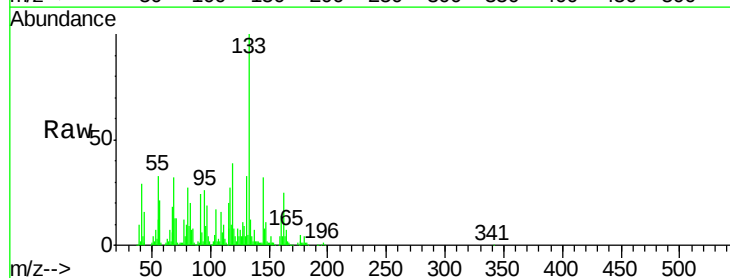
Instrument :
 BNA_F
 ClientSampleId :
 DRAIN

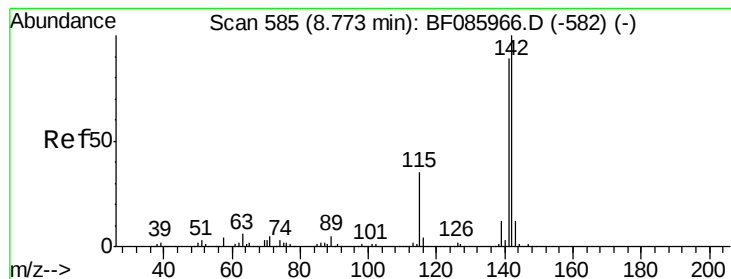
Tgt Ion:113 Resp: 143347
 Ion Ratio Lower Upper
 113 100
 55 287.9 139.4 179.4#
 56 251.0 100.4 140.4#



#36
 4-Chloro-3-methylphenol
 Concen: 11.28 ng
 RT: 8.58 min Scan# 568
 Delta R.T. -0.05 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Tgt Ion:107 Resp: 27074
 Ion Ratio Lower Upper
 107 100
 144 27.6 19.3 28.9
 142 19.6 61.4 92.0#





#37

2-Methylnaphthalene

Concen: 116.49 ng

RT: 8.76 min Scan# 584

Delta R.T. -0.01 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

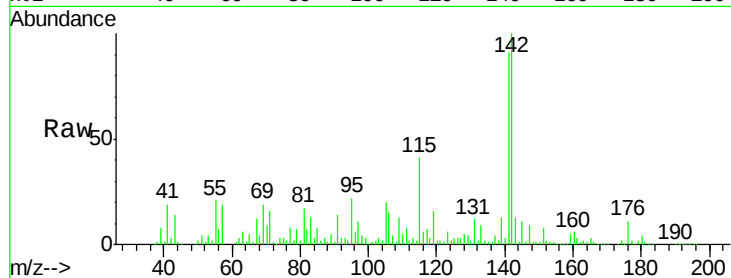
Tgt Ion:142 Resp: 606434

Ion Ratio Lower Upper

142 100

141 90.5 71.6 107.4

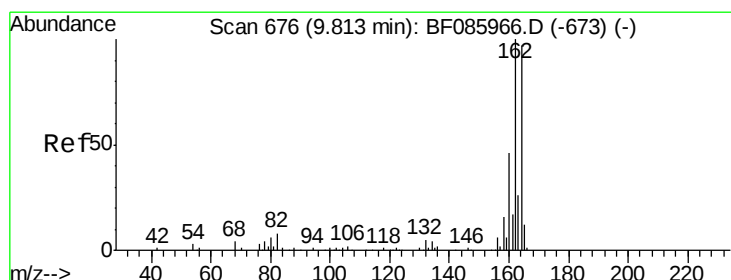
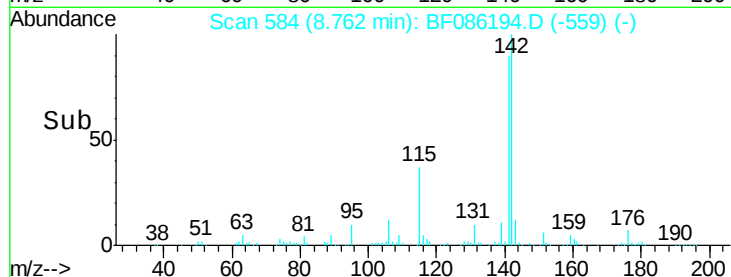
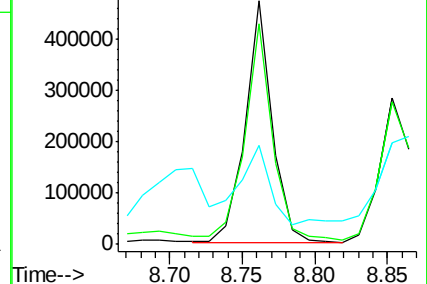
115 40.9 26.8 40.2#



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: 9.80 min Scan# 675

Delta R.T. -0.01 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

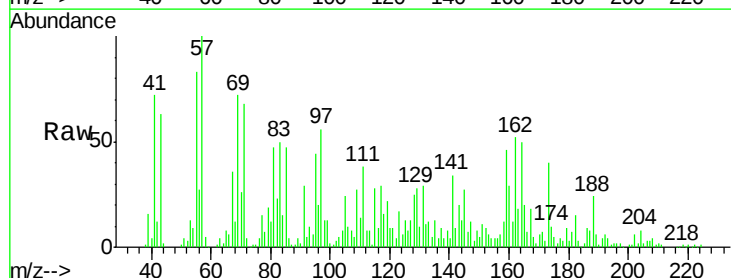
Tgt Ion:164 Resp: 114383

Ion Ratio Lower Upper

164 100

162 103.6 82.1 123.1

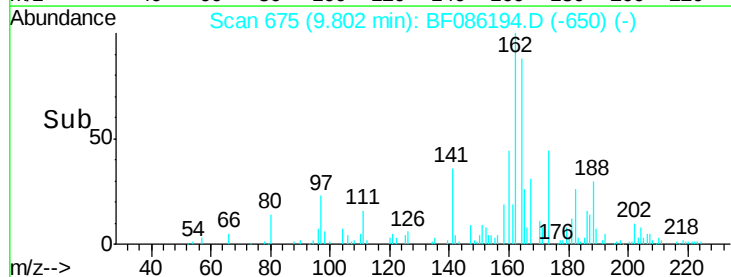
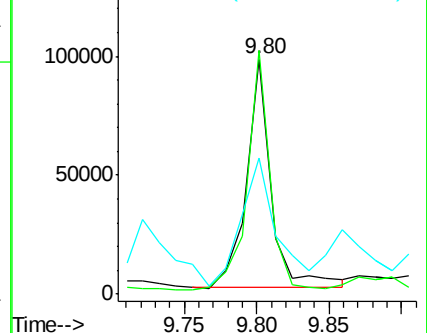
160 58.1 37.4 56.2#

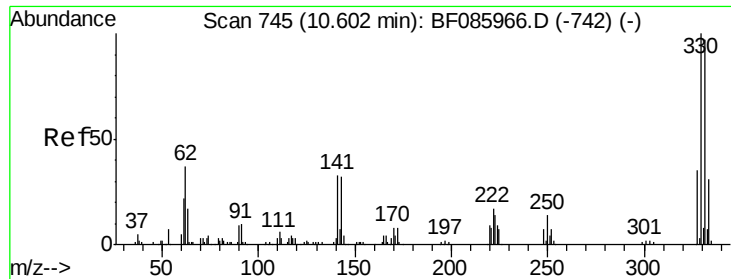


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

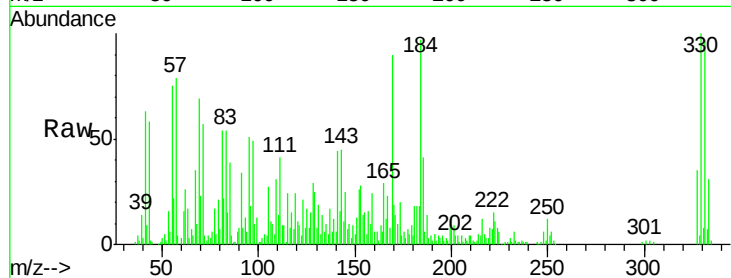




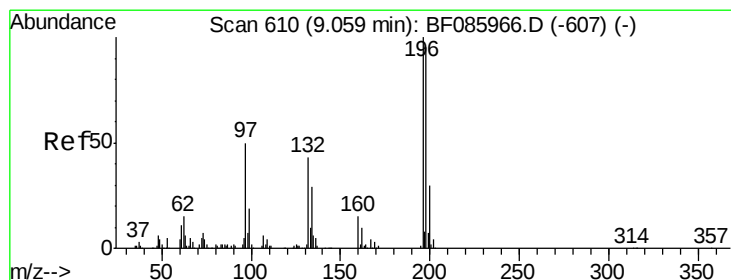
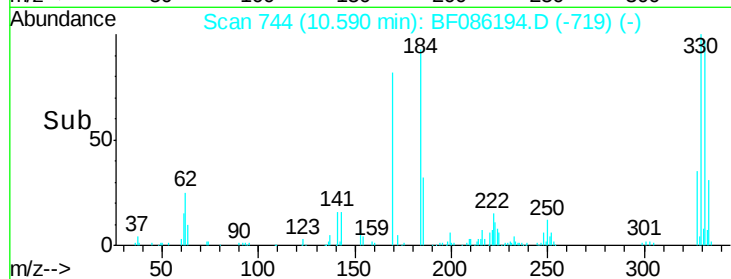
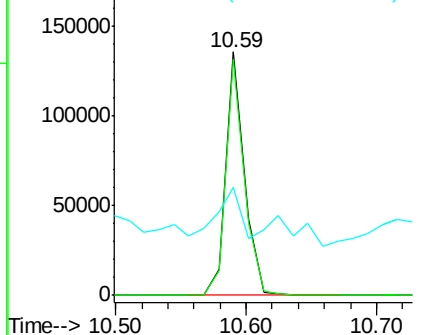
#41
 2,4,6-Tribromophenol
 Concen: 125.37 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Instrument :
 BNA_F
 ClientSampleId :
 DRAIN

Tgt Ion:330 Resp: 134600
 Ion Ratio Lower Upper
 330 100
 332 96.6 78.2 117.2
 141 28.2 31.5 47.3#

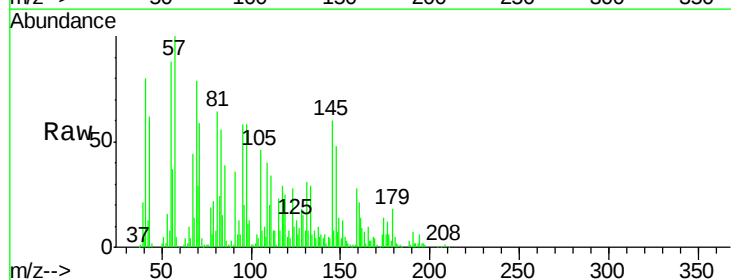


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

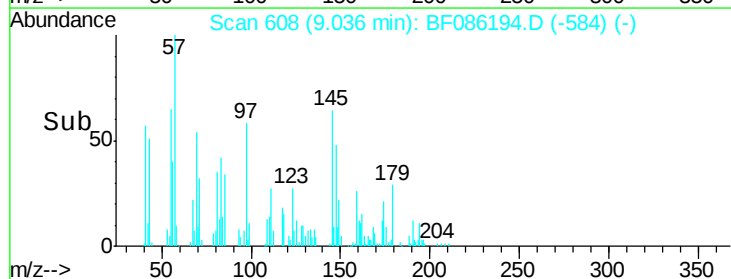
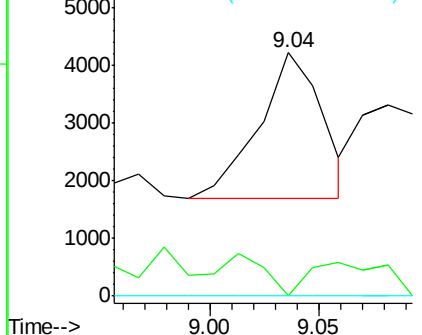


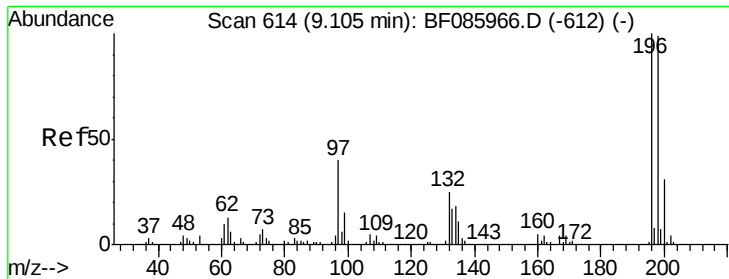
#42
 2,4,6-Trichlorophenol
 Concen: 2.34 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Tgt Ion:196 Resp: 5172
 Ion Ratio Lower Upper
 196 100
 198 0.0 75.3 112.9#
 200 0.0 23.7 35.5#



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

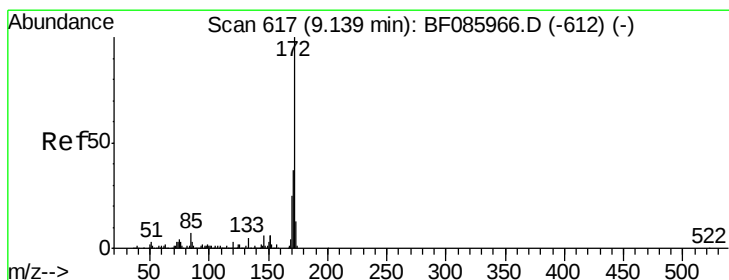
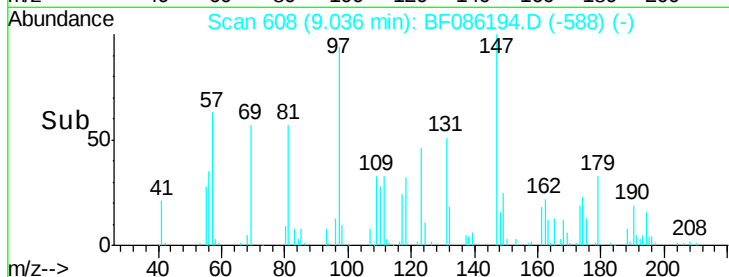
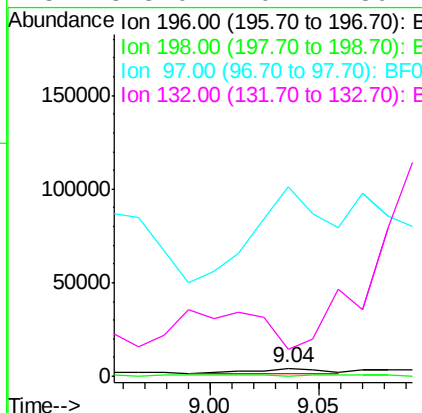
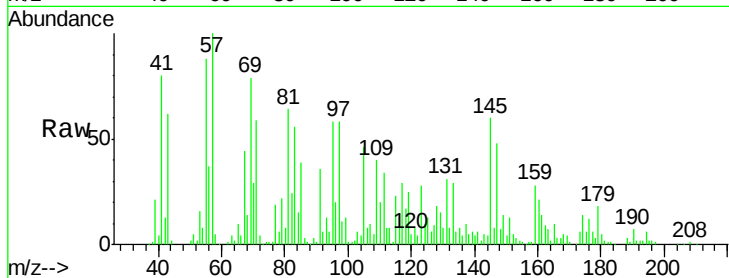




#43
 2,4,5-Trichlorophenol
 Concen: 2.31 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.07 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

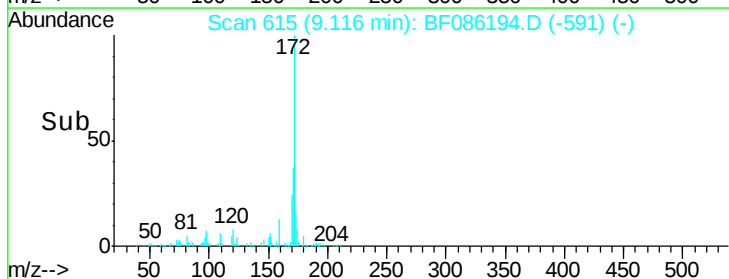
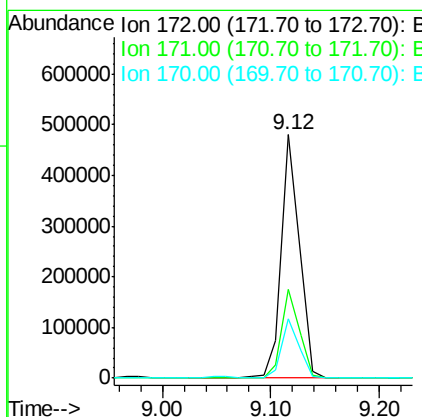
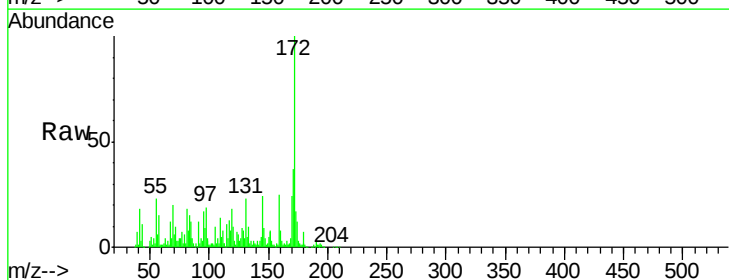
Instrument :
 BNA_F
 ClientSampleId :
 DRAIN

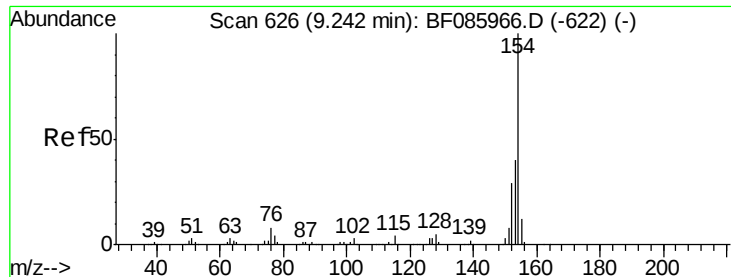
Tgt Ion:196 Resp: 5172
 Ion Ratio Lower Upper
 196 100
 198 0.0 76.6 114.8#
 97 2403.2 30.5 45.7#
 132 345.0 20.2 30.2#



#44
 2-Fluorobiphenyl
 Concen: 81.39 ng
 RT: 9.12 min Scan# 615
 Delta R.T. -0.02 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Tgt Ion:172 Resp: 559921
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.2 19.8 29.6





#45

1,1'-Biphenyl

Concen: 4.73 ng

RT: 9.22 min Scan# 624

Delta R.T. -0.02 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

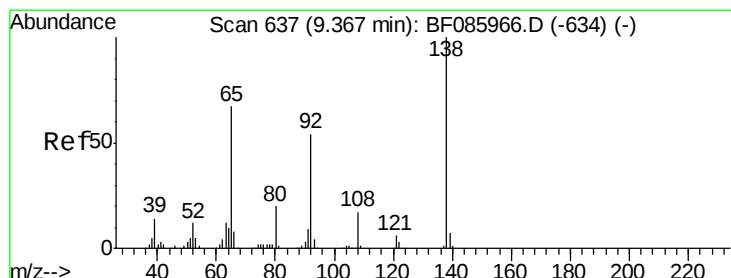
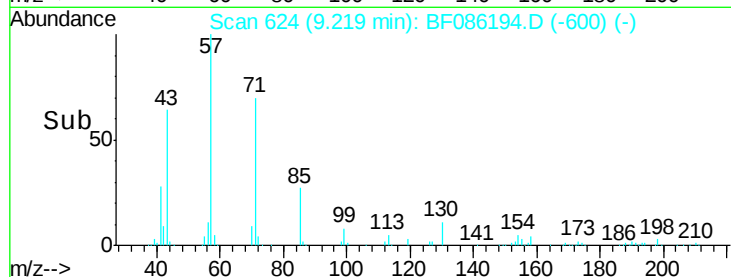
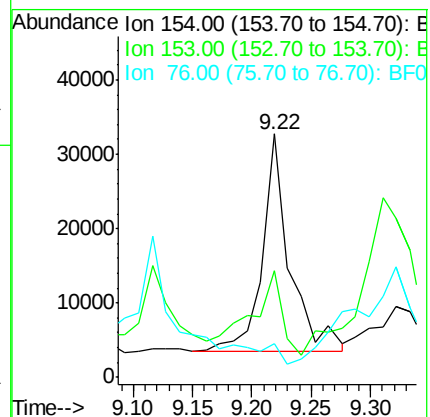
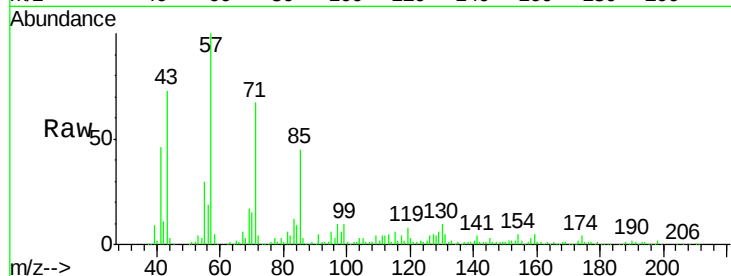
Tgt Ion:154 Resp: 46653

Ion Ratio Lower Upper

154 100

153 44.1 20.8 60.8

76 13.9 0.0 36.7



#47

2-Nitroaniline

Concen: 4.82 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.02 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

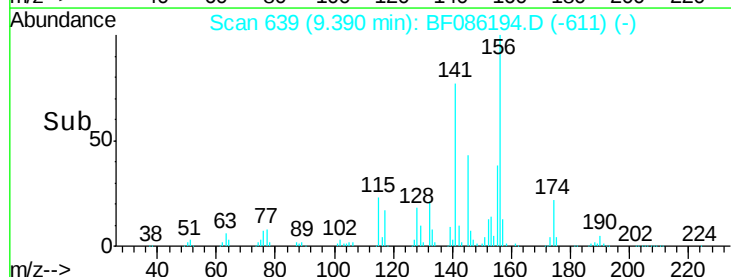
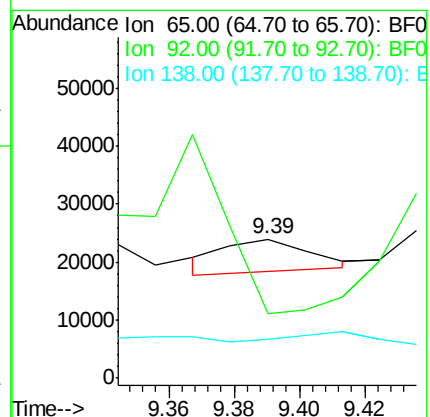
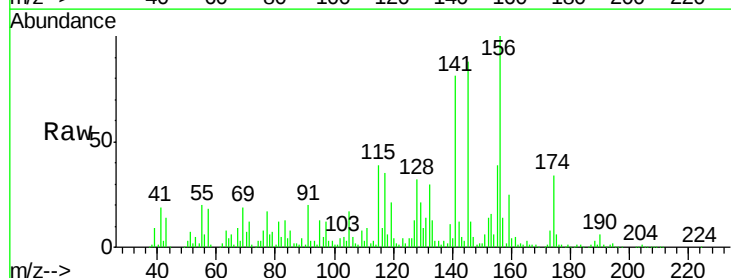
Tgt Ion: 65 Resp: 10086

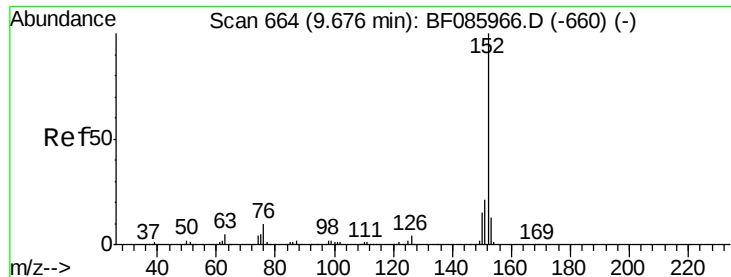
Ion Ratio Lower Upper

65 100

92 46.4 59.7 89.5#

138 28.2 91.4 137.0#





#48

Acenaphthylene

Concen: 7.50 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.01 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

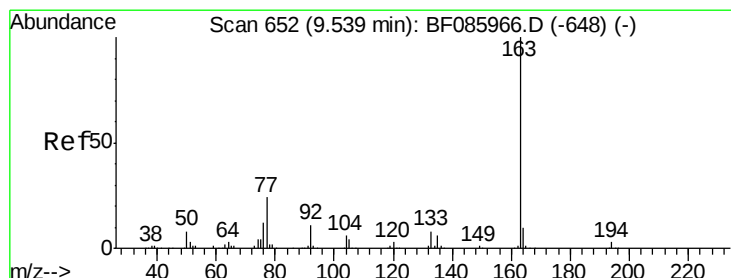
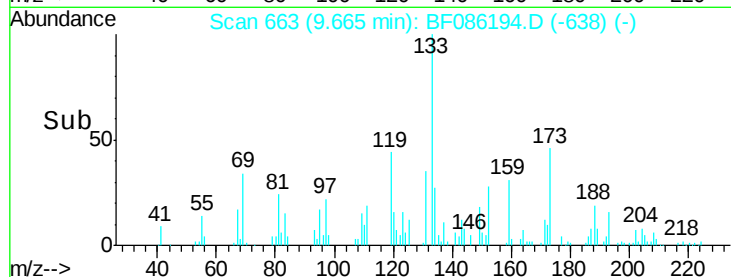
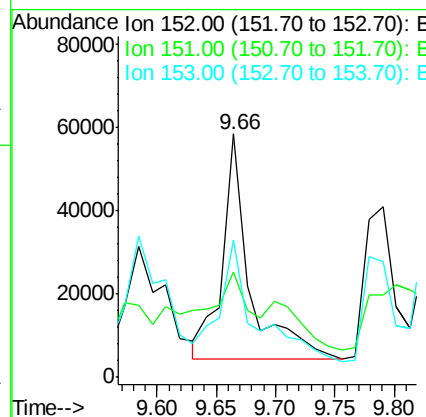
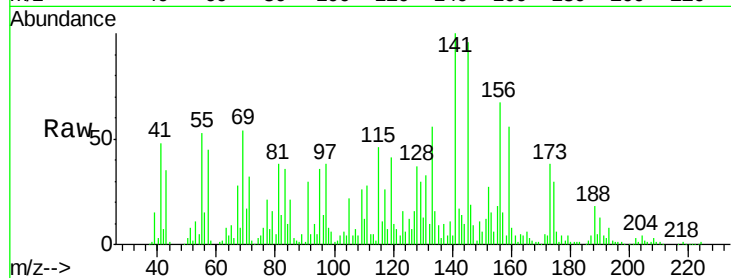
Tgt Ion:152 Resp: 85864

Ion Ratio Lower Upper

152 100

151 43.4 16.8 25.2#

153 56.6 10.9 16.3#



#49

Dimethylphthalate

Concen: 7.81 ng

RT: 9.52 min Scan# 650

Delta R.T. -0.02 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

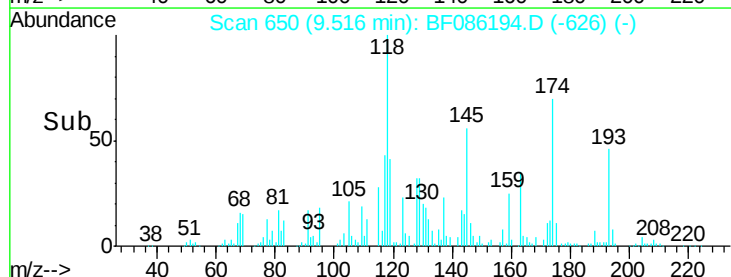
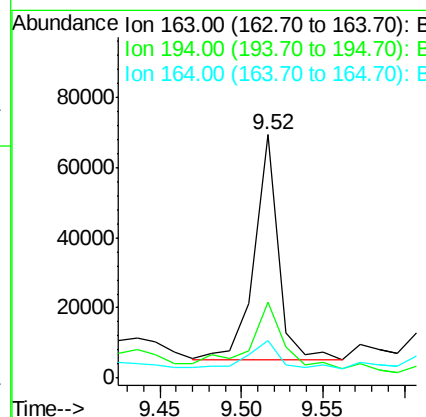
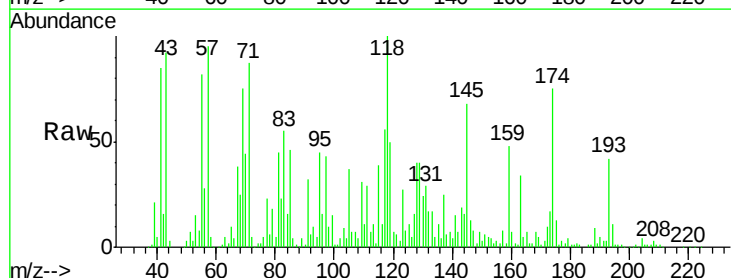
Tgt Ion:163 Resp: 66202

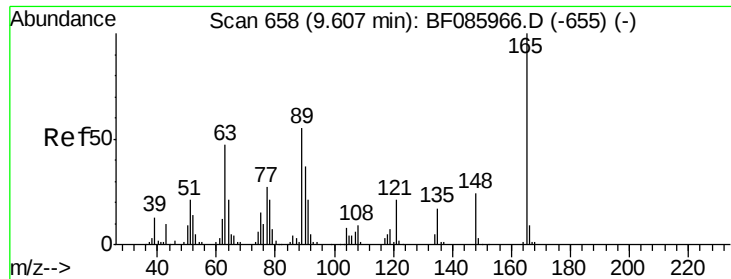
Ion Ratio Lower Upper

163 100

194 31.3 2.9 4.3#

164 15.6 8.3 12.5#

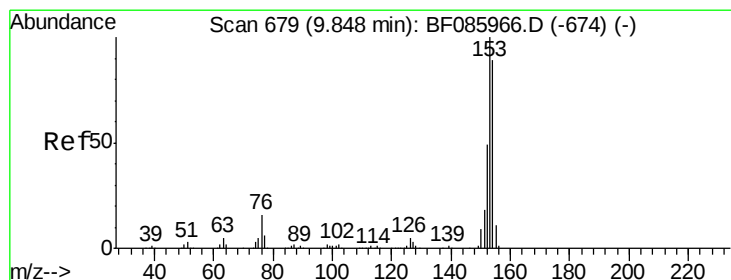
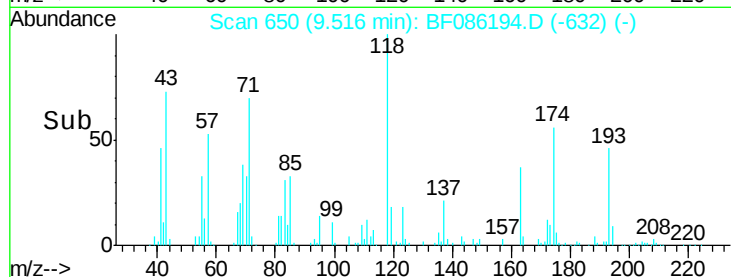
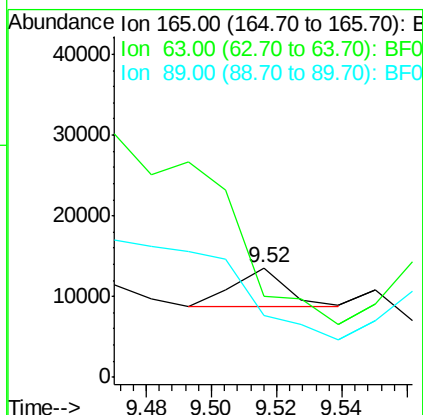
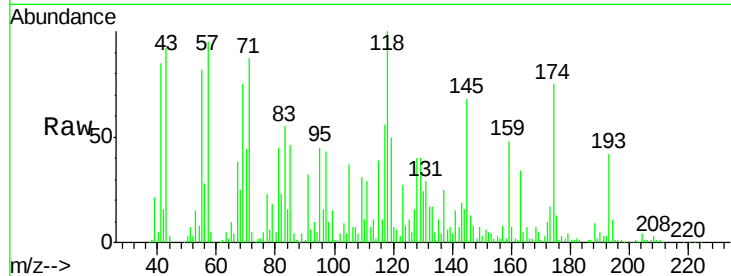




#50
 2,6-Dinitrotoluene
 Concen: 3.03 ng
 RT: 9.52 min Scan# 650
 Delta R.T. -0.09 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

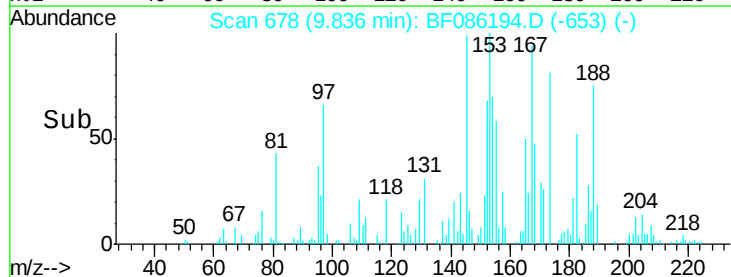
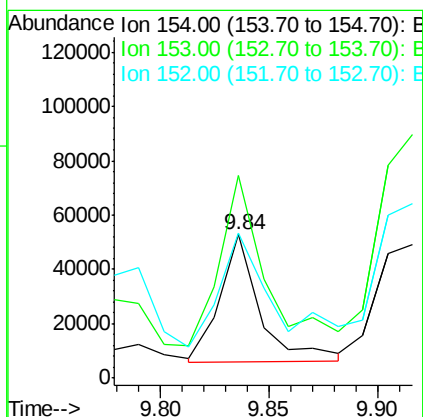
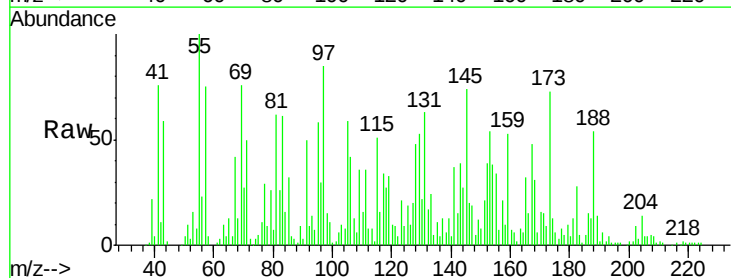
Instrument :
 BNA_F
 ClientSampled :
 DRAIN

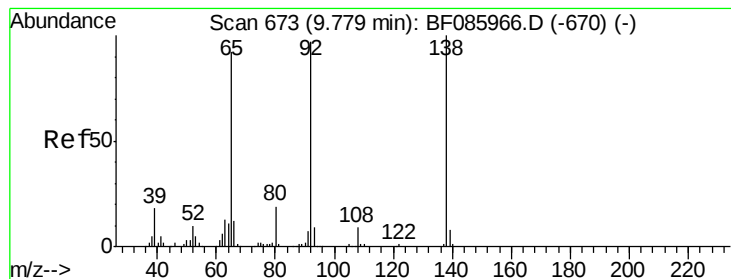
Tgt Ion:165 Resp: 5429
 Ion Ratio Lower Upper
 165 100
 63 74.0 51.8 77.8
 89 55.9 53.7 80.5



#51
 Acenaphthene
 Concen: 8.73 ng
 RT: 9.84 min Scan# 678
 Delta R.T. -0.01 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Tgt Ion:154 Resp: 59495
 Ion Ratio Lower Upper
 154 100
 153 141.6 90.1 135.1#
 152 101.0 44.2 66.2#





#52

3-Nitroaniline

Concen: 4.54 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.00 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampled :

DRAIN

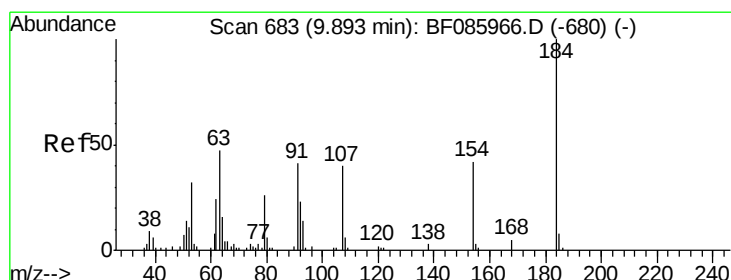
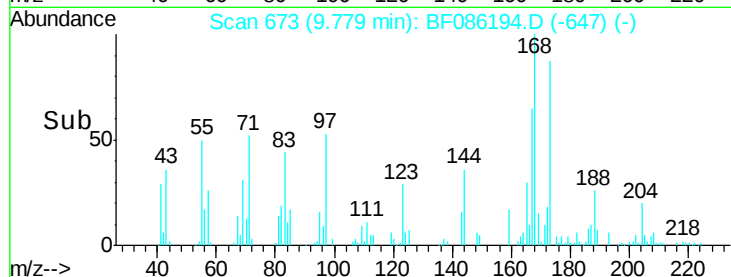
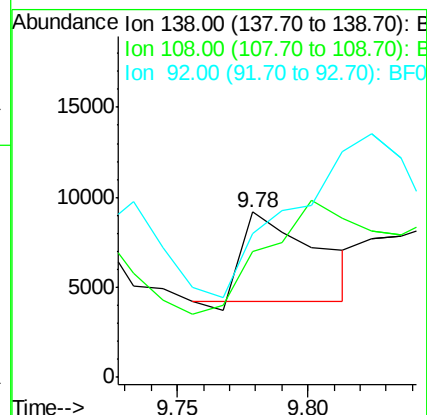
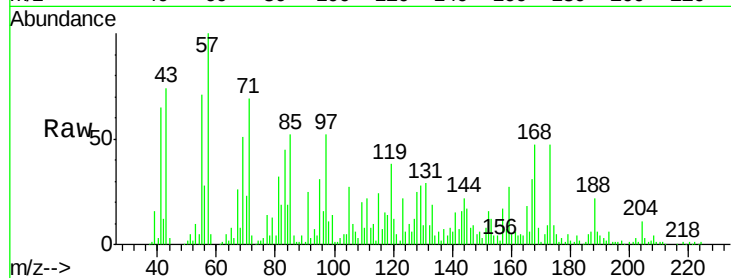
Tgt Ion:138 Resp: 9808

Ion Ratio Lower Upper

138 100

108 76.5 8.7 13.1#

92 87.1 93.3 139.9#



#53

2,4-Dinitrophenol

Concen: 3.79 ng

RT: 9.88 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

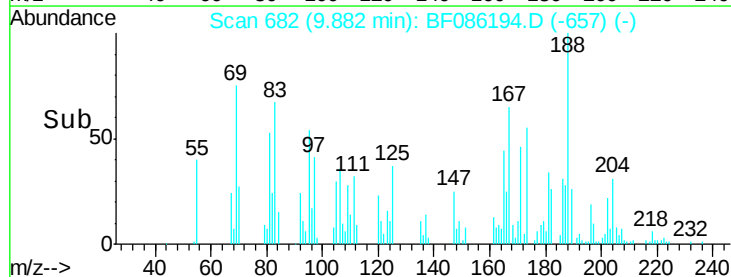
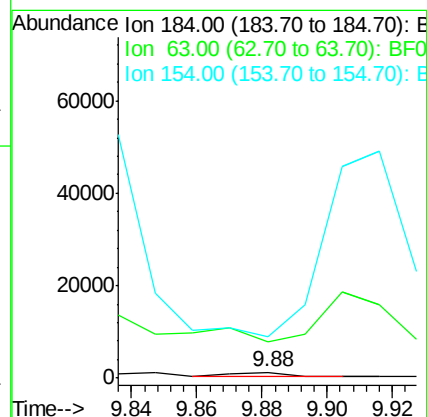
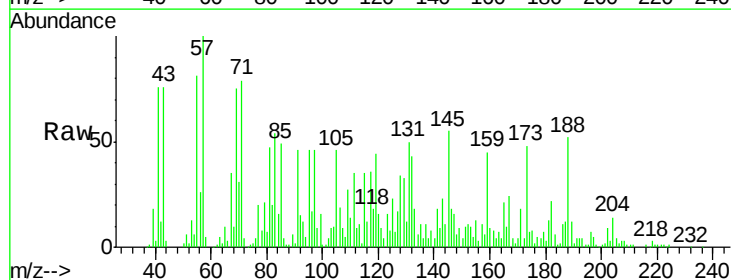
Tgt Ion:184 Resp: 1182

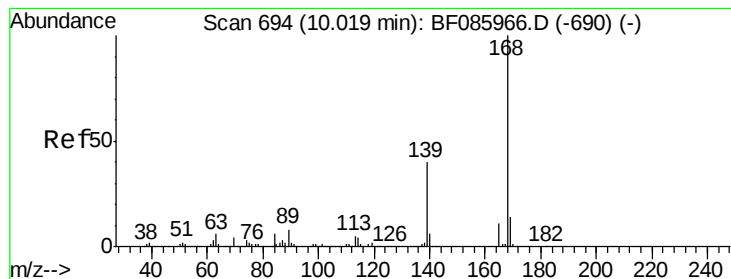
Ion Ratio Lower Upper

184 100

63 607.6 69.5 104.3#

154 692.6 58.3 87.5#





#54

Dibenzofuran

Concen: 3.92 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.01 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

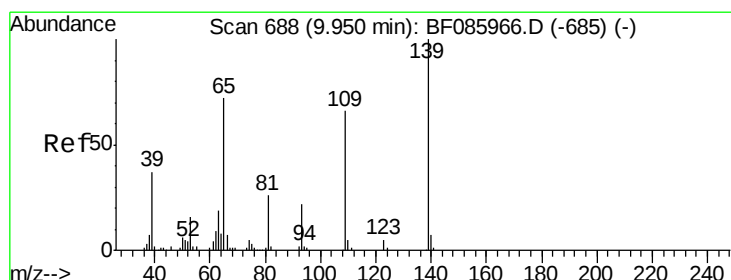
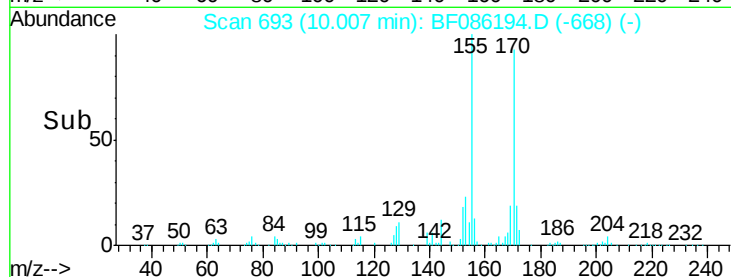
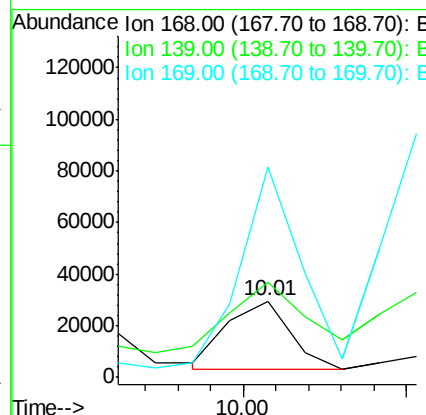
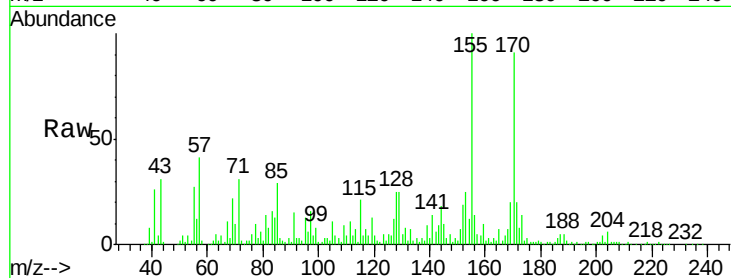
Tgt Ion:168 Resp: 35261

Ion Ratio Lower Upper

168 100

139 124.7 31.9 47.9#

169 277.1 11.0 16.6#



#55

4-Nitrophenol

Concen: 54.60 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.05 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

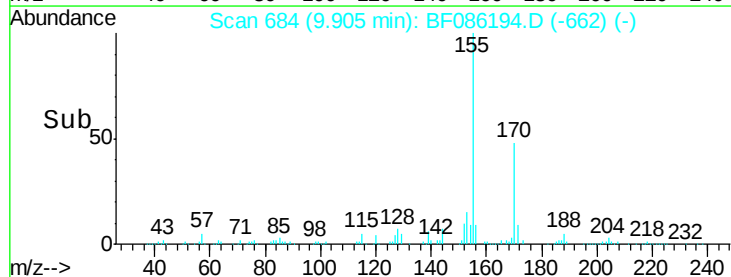
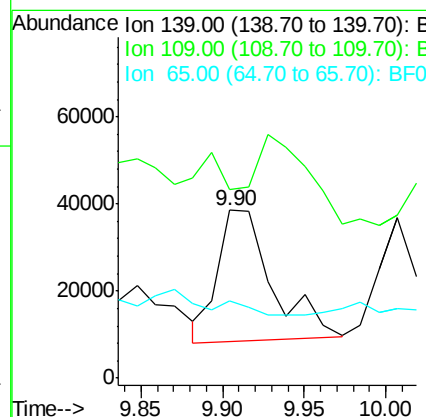
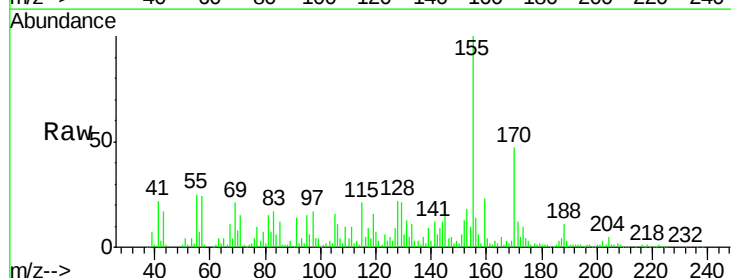
Tgt Ion:139 Resp: 69582

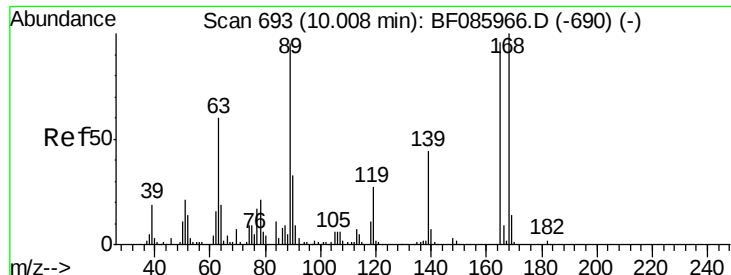
Ion Ratio Lower Upper

139 100

109 112.2 49.2 89.2#

65 45.9 66.9 106.9#

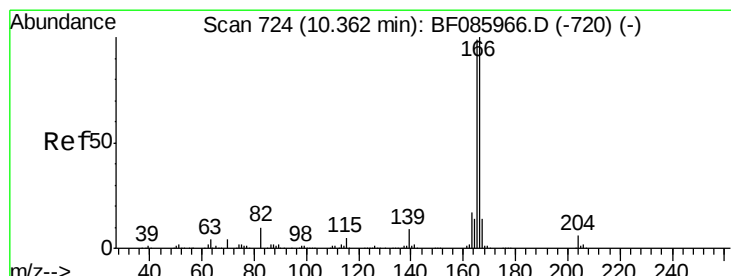
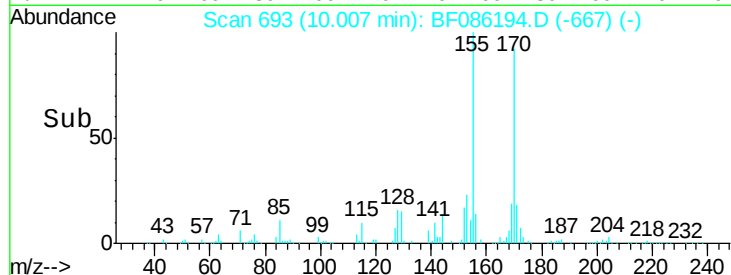
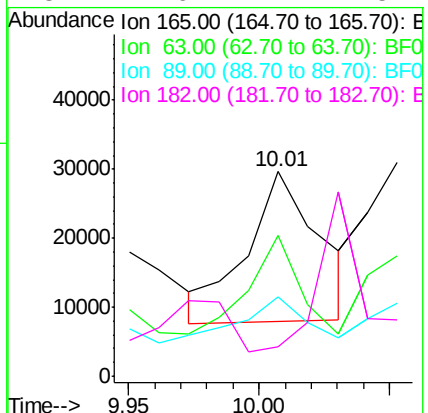
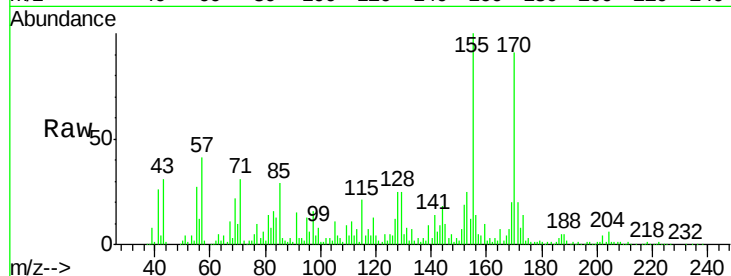




#56
2,4-Dinitrotoluene
Concen: 18.48 ng
RT: 10.01 min Scan# 693
Delta R.T. -0.00 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

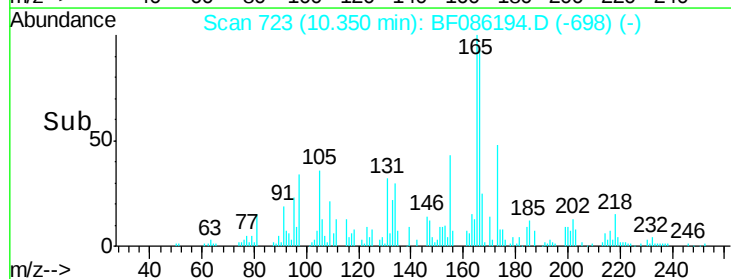
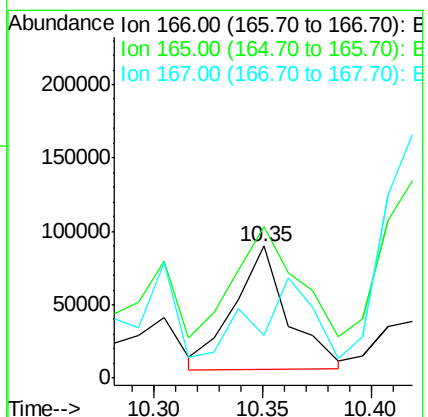
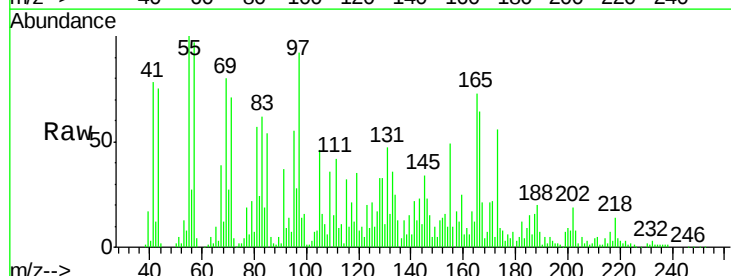
Instrument :
BNA_F
ClientSampleId :
DRAIN

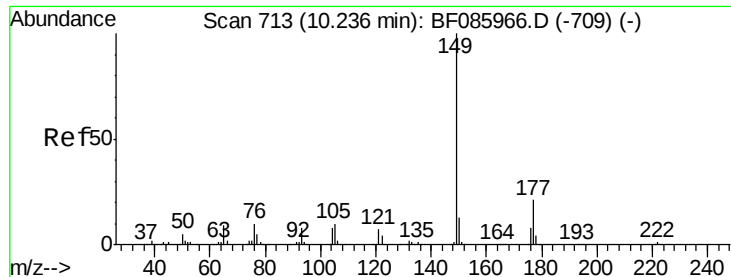
Tgt Ion:165 Resp: 41877
Ion Ratio Lower Upper
165 100
63 69.3 24.9 37.3#
89 38.8 41.0 61.6#
182 14.6 2.1 3.1#



#57
Fluorene
Concen: 18.93 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

Tgt Ion:166 Resp: 145425
Ion Ratio Lower Upper
166 100
165 114.7 79.4 119.0
167 32.7 11.0 16.4#

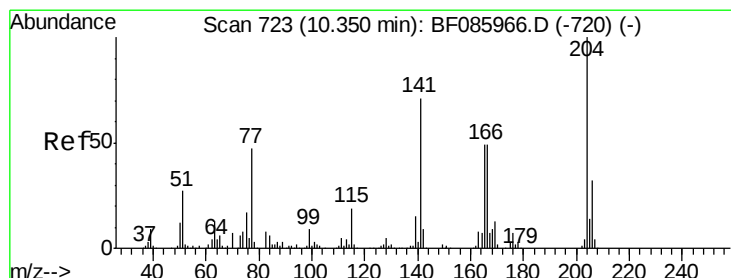
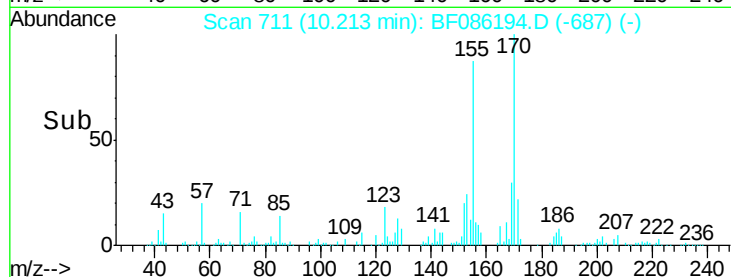
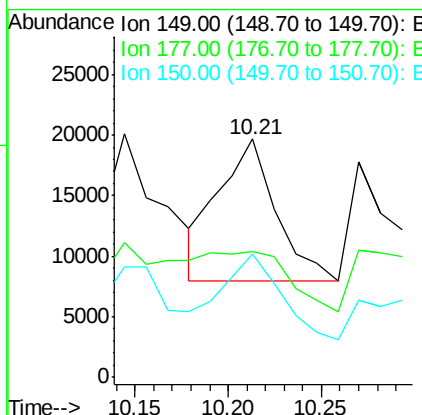
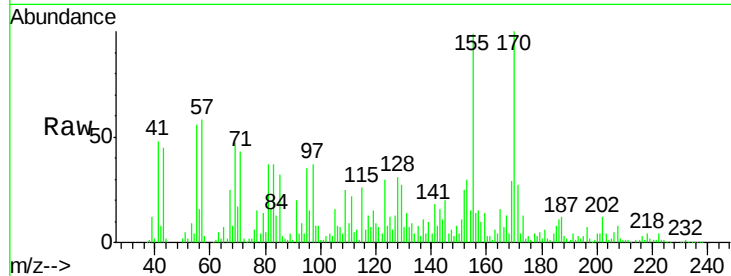




#59
Diethylphthalate
Concen: 2.93 ng
RT: 10.21 min Scan# 711
Delta R.T. -0.02 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

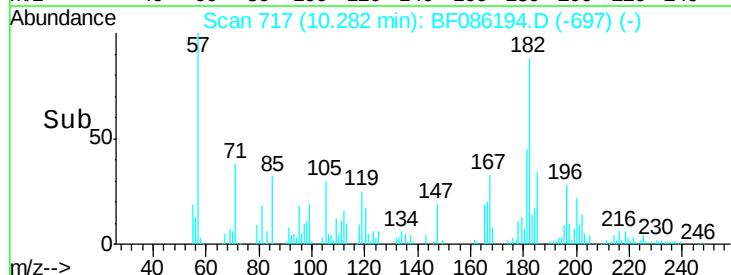
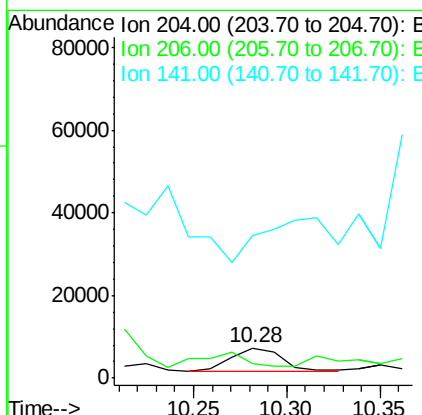
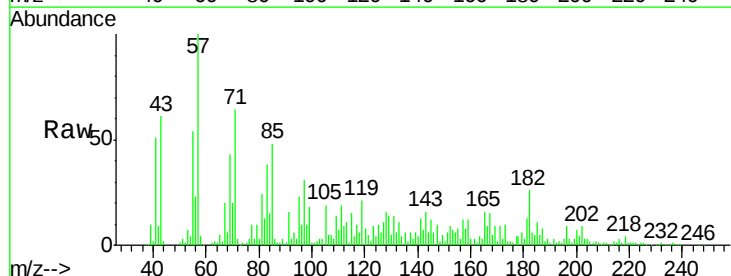
Instrument :
BNA_F
ClientSampleId :
DRAIN

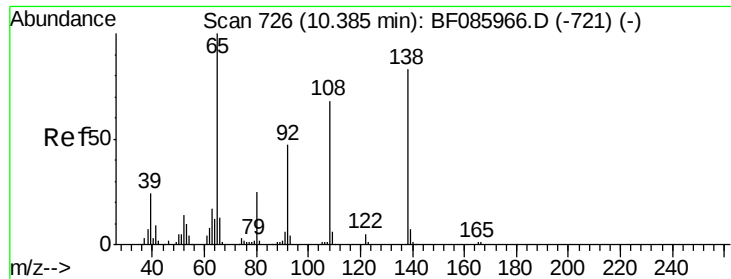
Tgt Ion:149 Resp: 25096
Ion Ratio Lower Upper
149 100
177 52.9 17.9 26.9#
150 51.9 10.2 15.2#



#60
4-Chlorophenyl-phenylether
Concen: 2.99 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.07 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

Tgt Ion:204 Resp: 10688
Ion Ratio Lower Upper
204 100
206 48.0 26.6 39.8#
141 470.3 57.4 86.0#

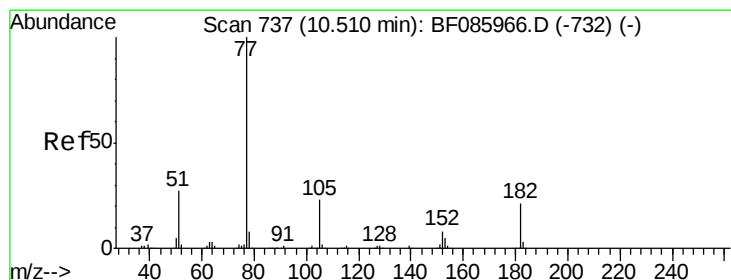
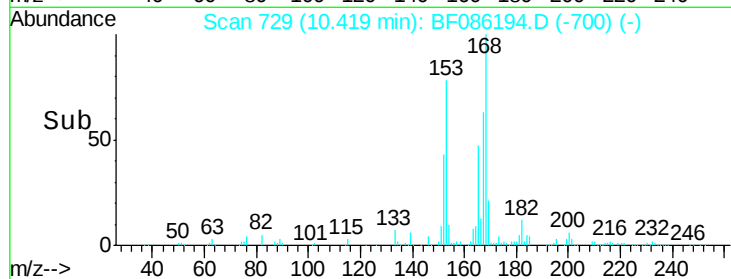
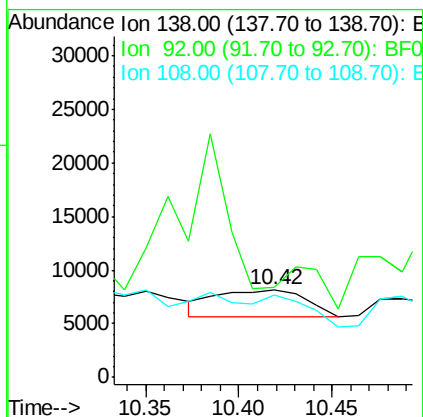
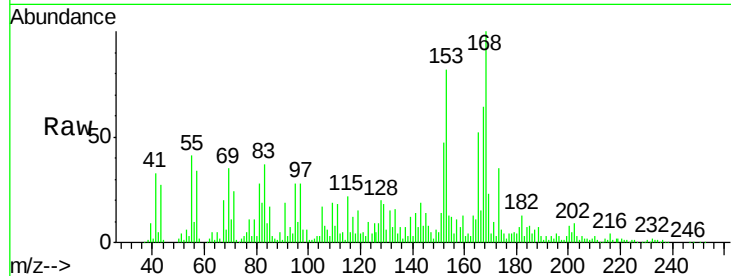




#61
4-Nitroaniline
Concen: 3.87 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.03 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

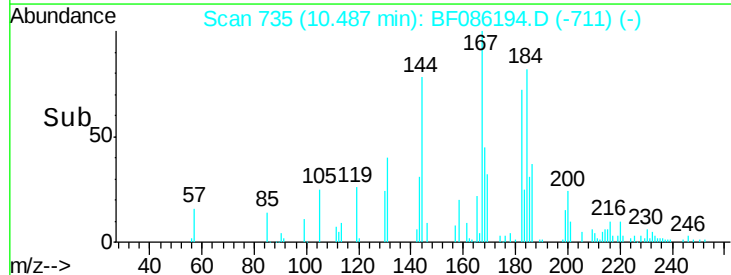
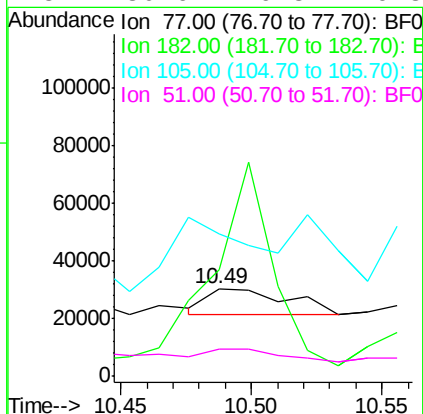
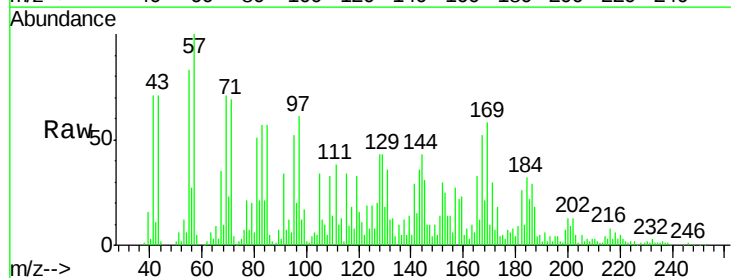
Instrument :
BNA_F
ClientSampleId :
DRAIN

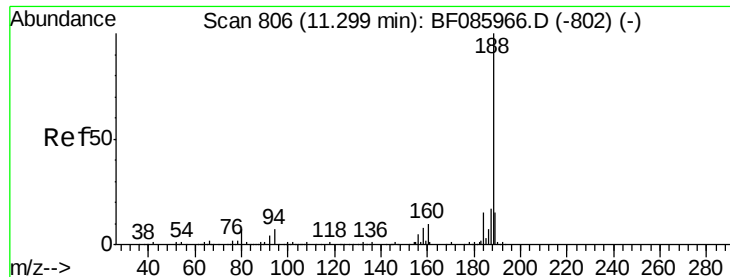
Tgt Ion:138 Resp: 8244
Ion Ratio Lower Upper
138 100
92 103.1 26.4 66.4#
108 94.5 49.0 89.0#



#62
Azobenzene
Concen: 2.29 ng
RT: 10.49 min Scan# 735
Delta R.T. -0.02 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

Tgt Ion: 77 Resp: 18747
Ion Ratio Lower Upper
77 100
182 121.7 1.9 41.9#
105 162.5 3.5 43.5#
51 30.6 6.3 46.3

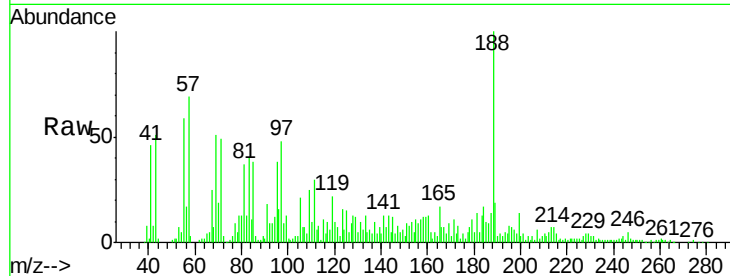




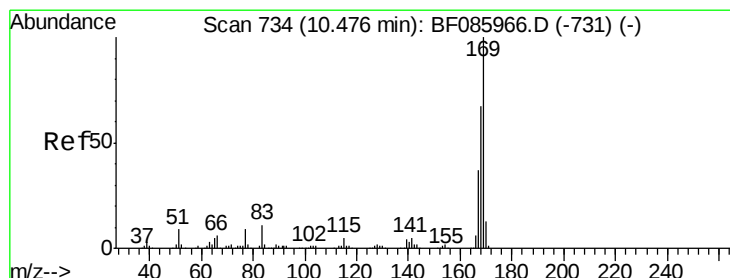
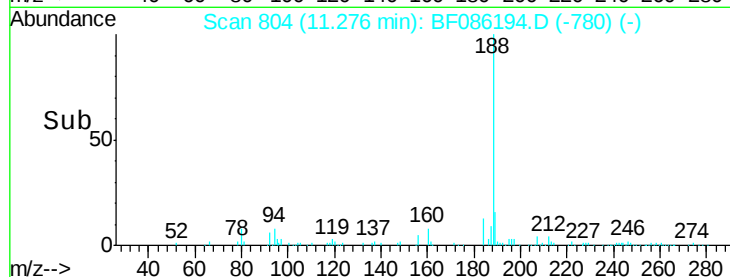
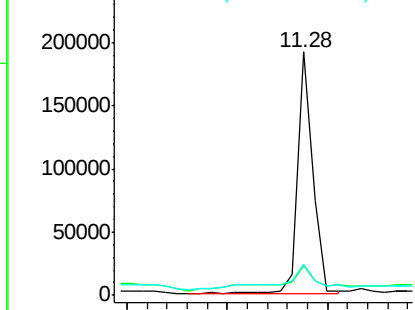
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

Instrument :
BNA_F
ClientSampleId :
DRAIN

Tgt Ion:188 Resp: 200741
Ion Ratio Lower Upper
188 100
94 12.4 5.4 8.0#
80 12.6 5.5 8.3#

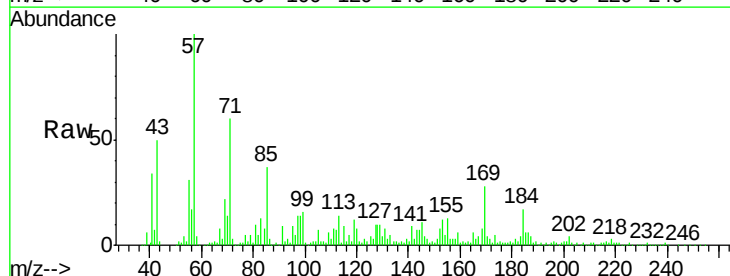


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

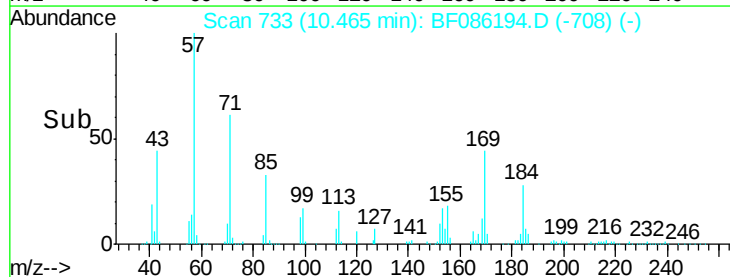
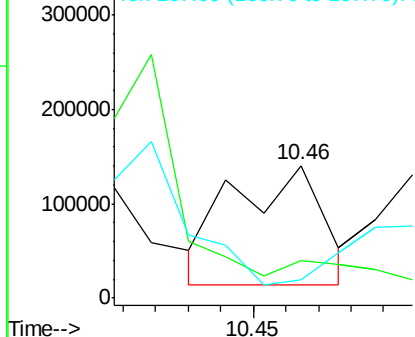


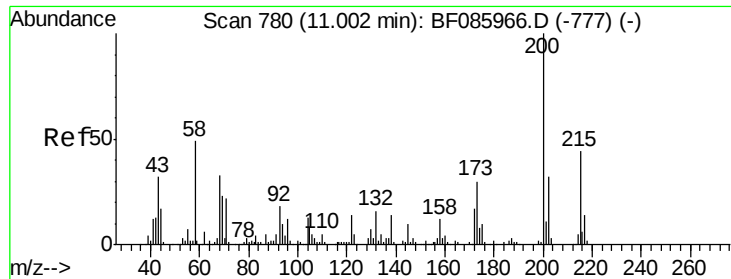
#65
n-Nitrosodiphenylamine
Concen: 38.72 ng
RT: 10.46 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

Tgt Ion:169 Resp: 243081
Ion Ratio Lower Upper
169 100
168 28.2 54.4 81.6#
167 14.2 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





#68

Atrazine

Concen: 38.02 ng

RT: 11.00 min Scan# 780

Delta R.T. -0.00 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

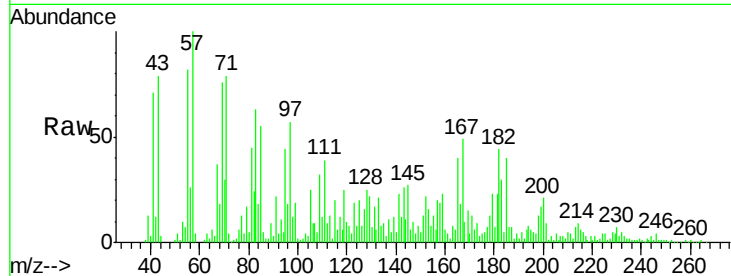
Tgt Ion:200 Resp: 77128

Ion Ratio Lower Upper

200 100

173 43.8 7.7 47.7

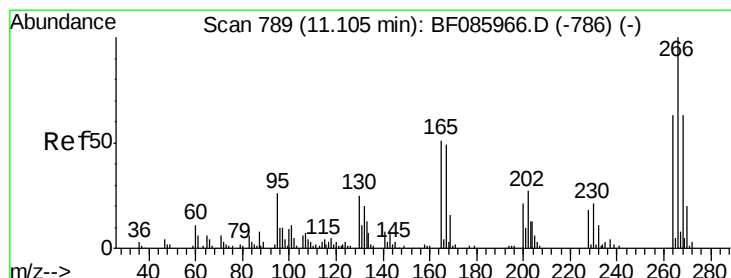
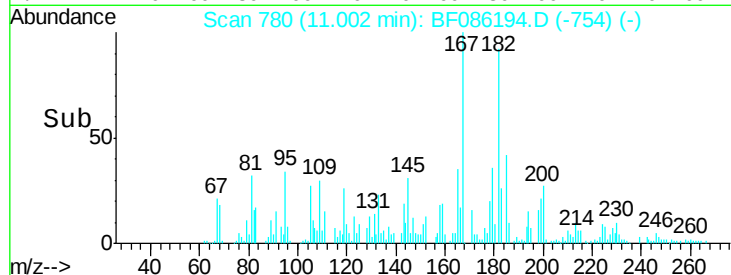
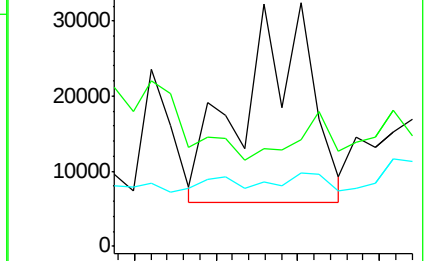
215 30.2 25.4 65.4



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#69

Pentachlorophenol

Concen: 6.47 ng

RT: 11.12 min Scan# 790

Delta R.T. 0.01 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

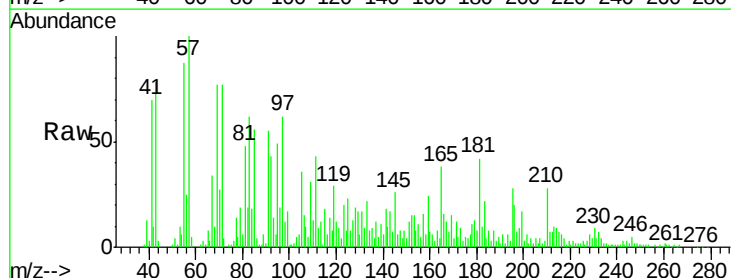
Tgt Ion:266 Resp: 6430

Ion Ratio Lower Upper

266 100

268 0.0 51.5 77.3#

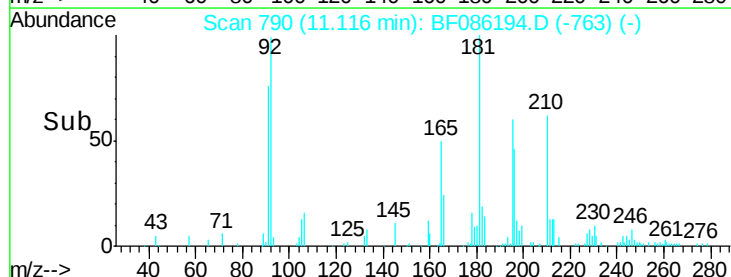
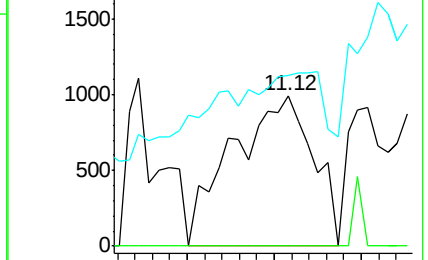
264 113.4 50.6 76.0#

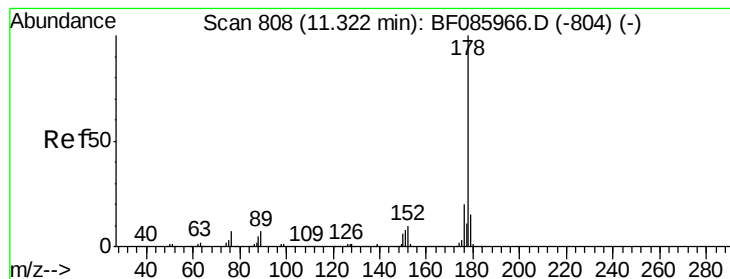


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#70

Phenanthrene

Concen: 37.45 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

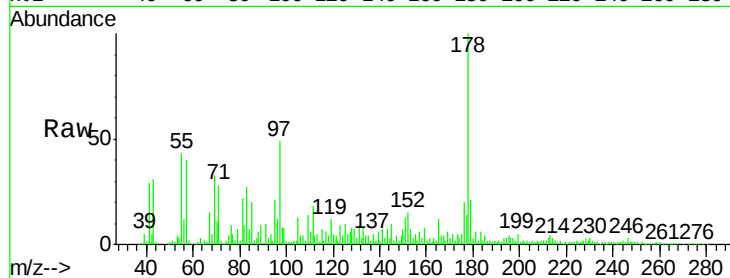
Tgt Ion:178 Resp: 410140

Ion Ratio Lower Upper

178 100

176 20.2 16.3 24.5

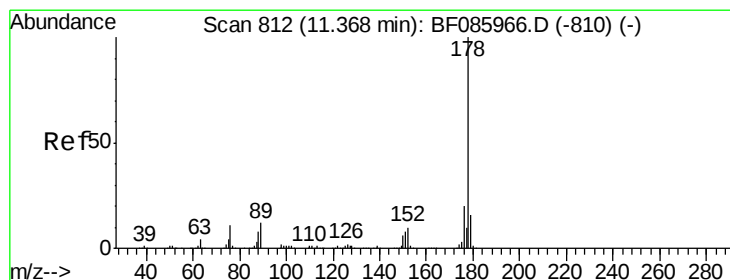
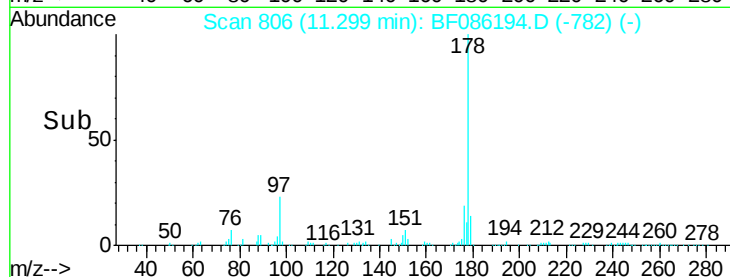
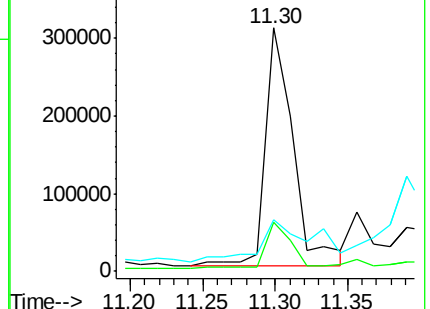
179 21.0 12.6 18.8#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.65 ng

RT: 11.36 min Scan# 811

Delta R.T. -0.01 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

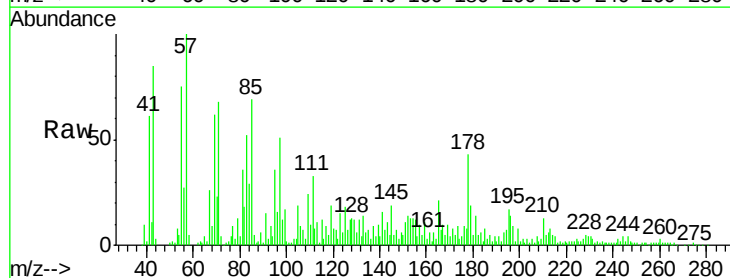
Tgt Ion:178 Resp: 41930

Ion Ratio Lower Upper

178 100

176 20.2 15.9 23.9

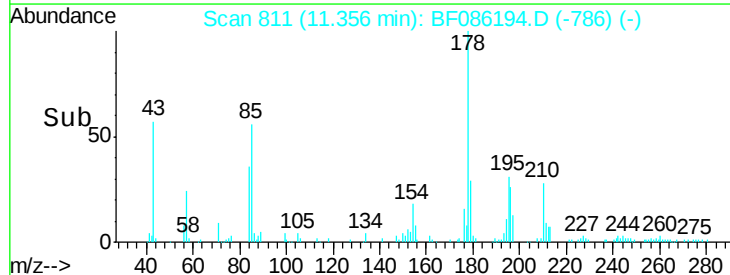
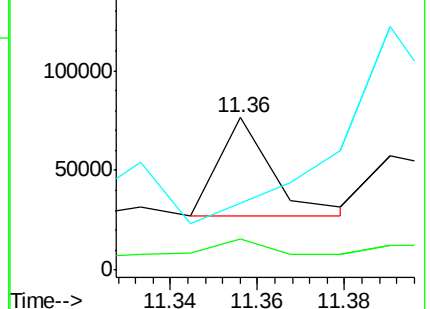
179 43.9 13.0 19.4#

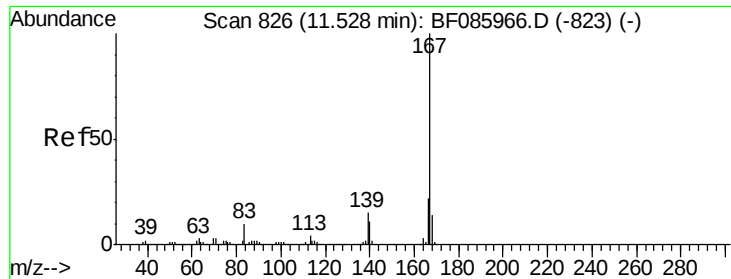


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.35 ng

RT: 11.50 min Scan# 824

Delta R.T. -0.02 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

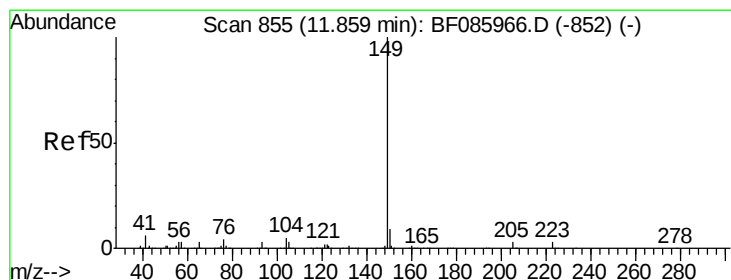
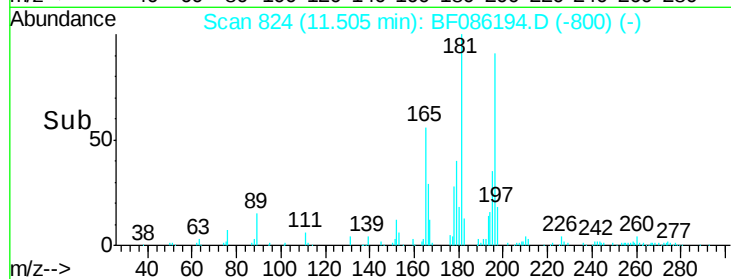
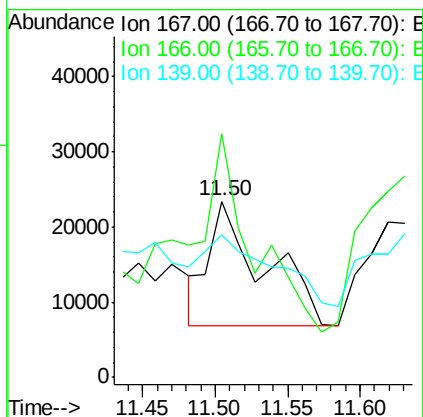
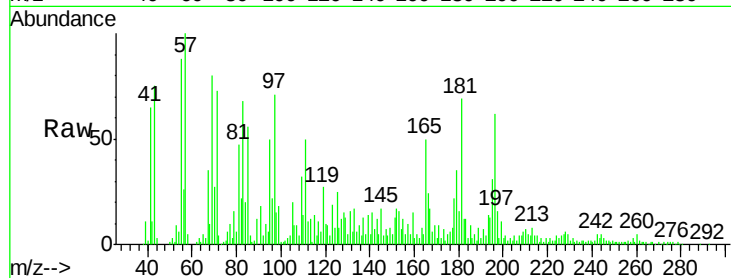
Tgt Ion:167 Resp: 42924

Ion Ratio Lower Upper

167 100

166 138.4 17.8 26.8#

139 81.0 11.6 17.4#



#73

Di-n-butylphthalate

Concen: 2.88 ng

RT: 11.70 min Scan# 841

Delta R.T. -0.16 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

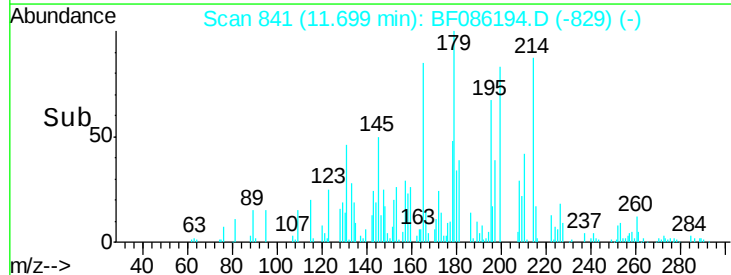
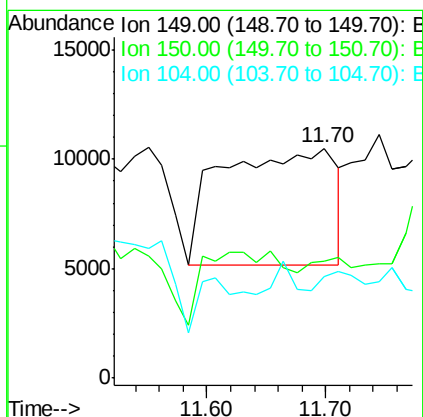
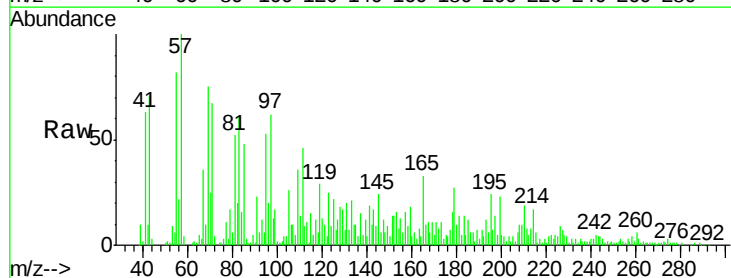
Tgt Ion:149 Resp: 35195

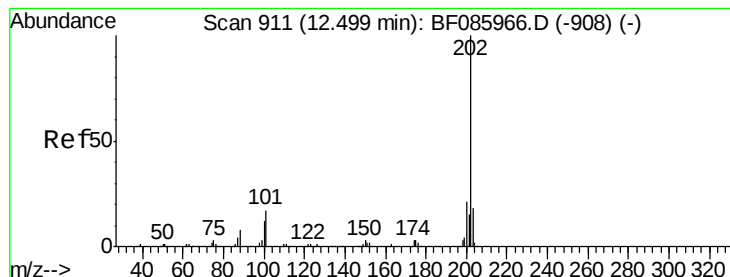
Ion Ratio Lower Upper

149 100

150 50.6 7.6 11.4#

104 44.4 3.8 5.8#





#74

Fluoranthene

Concen: 36.30 ng

RT: 12.48 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

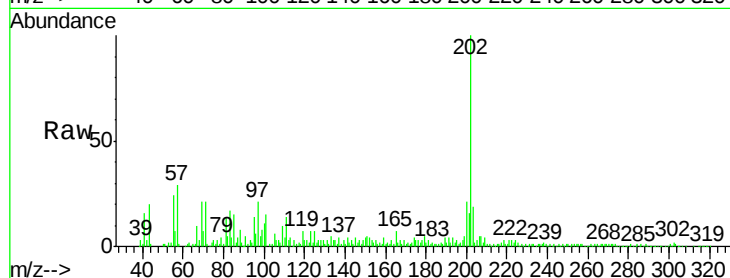
Tgt Ion: 202 Resp: 413440

Ion Ratio Lower Upper

202 100

101 14.6 0.0 36.6

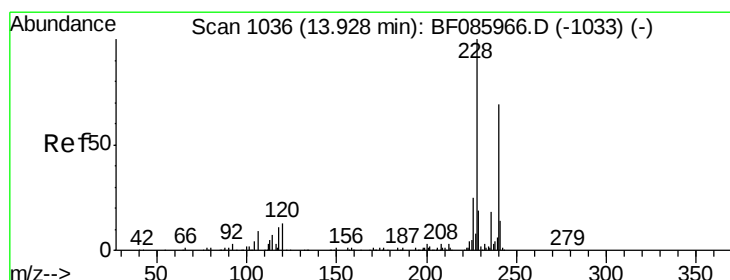
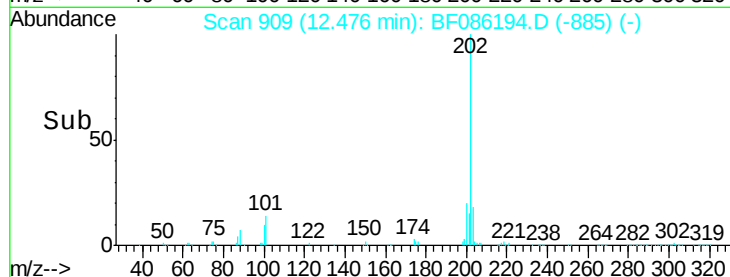
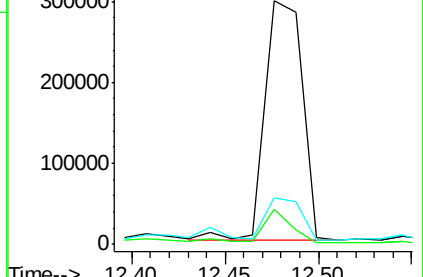
203 19.2 0.0 38.1



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: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

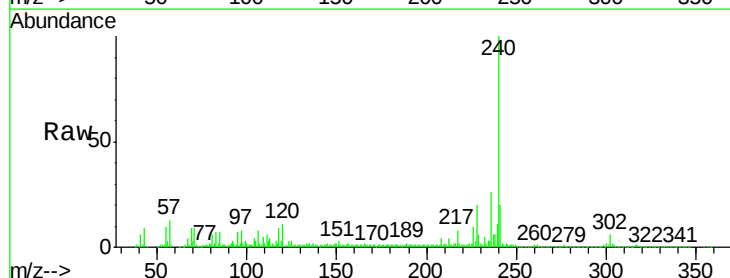
Tgt Ion: 240 Resp: 237793

Ion Ratio Lower Upper

240 100

120 11.3 13.8 20.8#

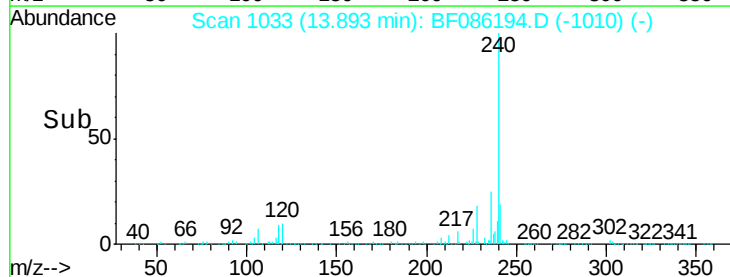
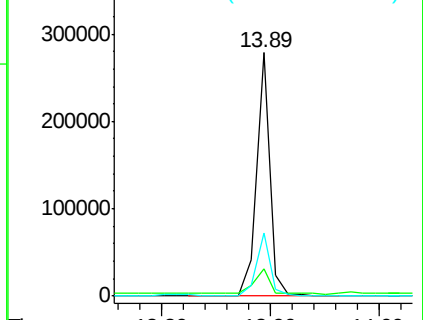
236 25.8 20.6 30.8

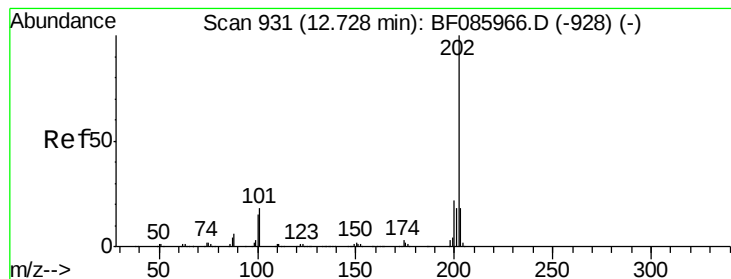


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 28.59 ng

RT: 12.70 min Scan# 929

Delta R.T. -0.02 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

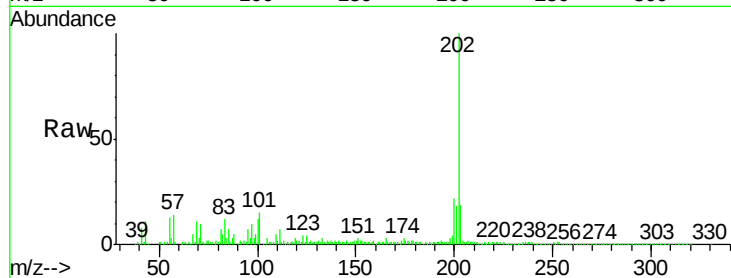
Tgt Ion:202 Resp: 479161

Ion Ratio Lower Upper

202 100

200 21.9 17.6 26.4

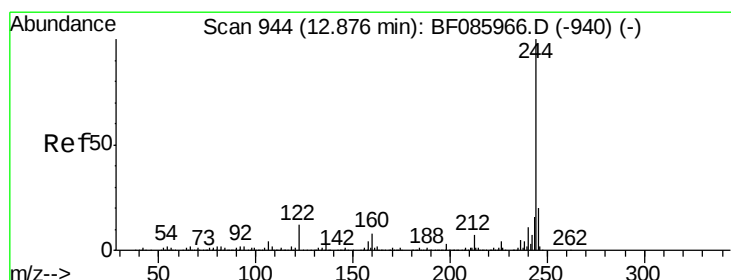
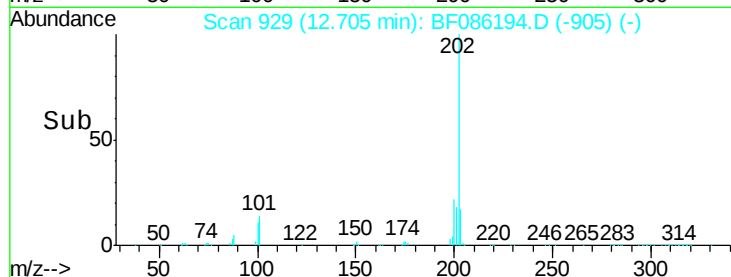
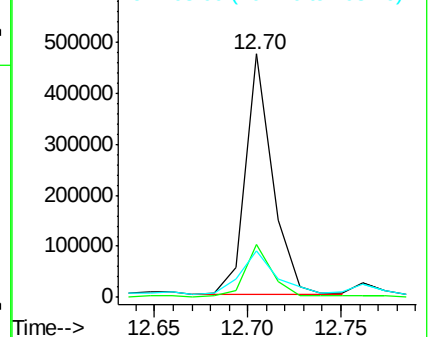
203 18.9 14.0 21.0



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: 51.77 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

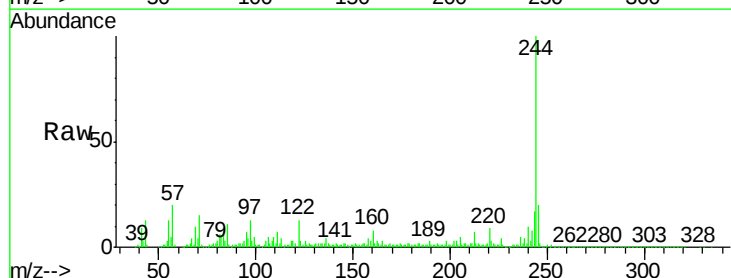
Tgt Ion:244 Resp: 523681

Ion Ratio Lower Upper

244 100

212 7.4 6.1 9.1

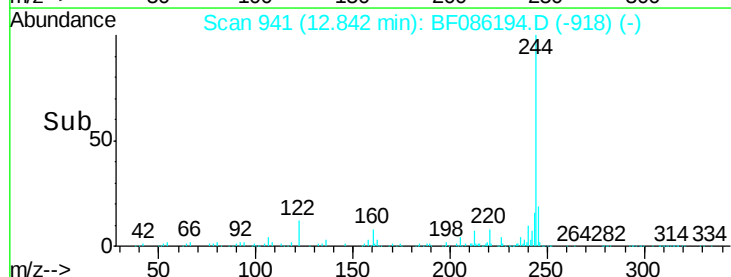
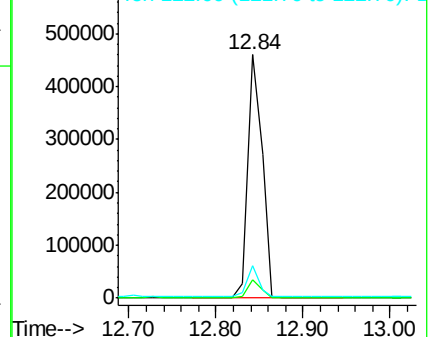
122 13.3 10.2 15.4

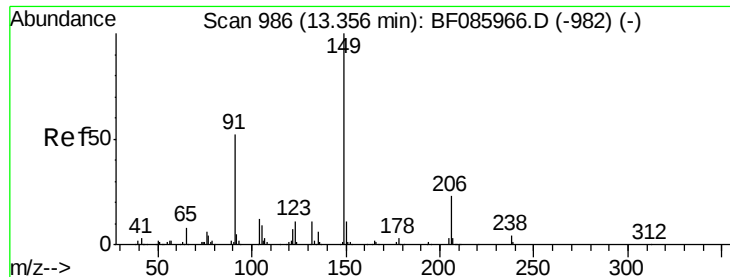


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

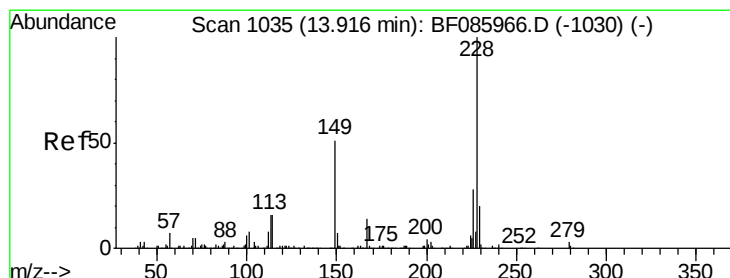
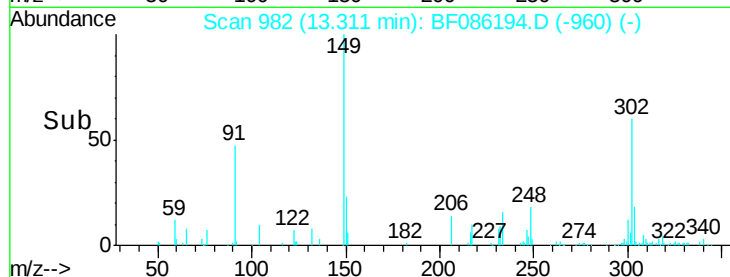
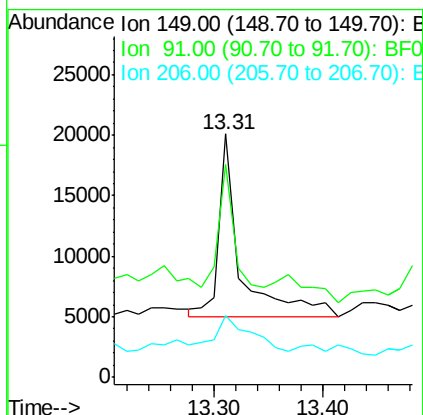
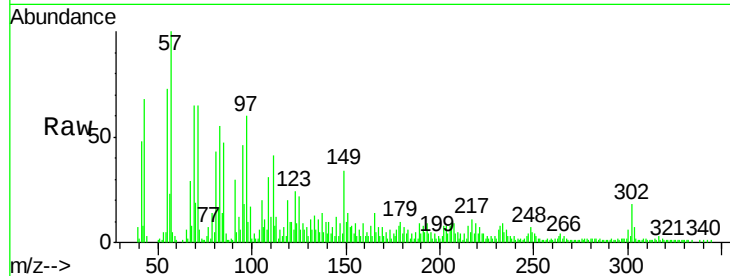




#79
Butylbenzylphthalate
Concen: 2.78 ng
RT: 13.31 min Scan# 982
Delta R.T. -0.05 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

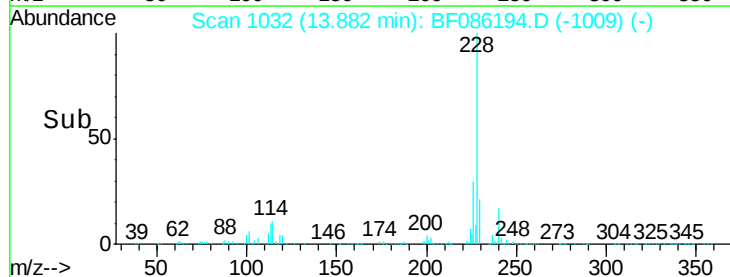
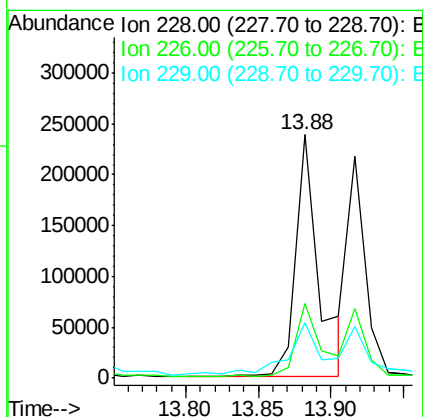
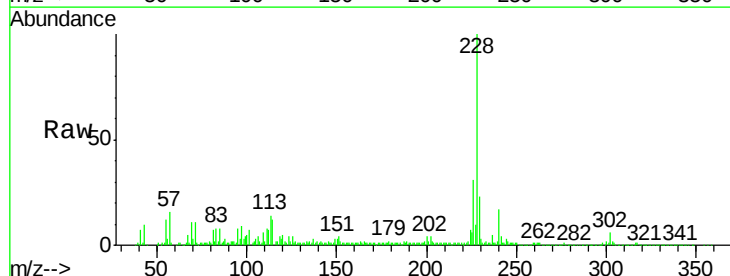
Instrument :
BNA_F
ClientSampleId :
DRAIN

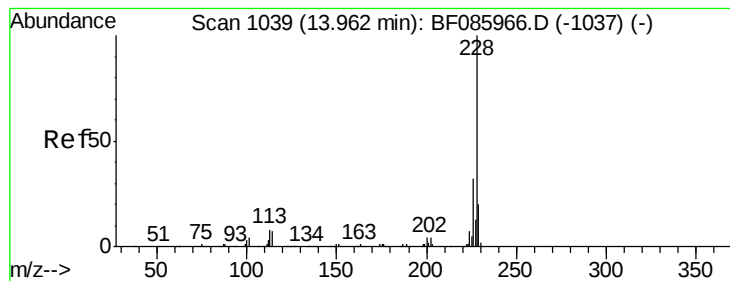
Tgt Ion:149 Resp: 20941
Ion Ratio Lower Upper
149 100
91 87.6 45.8 68.8#
206 25.4 17.8 26.8



#80
Benzo(a)anthracene
Concen: 18.98 ng
RT: 13.88 min Scan# 1032
Delta R.T. -0.03 min
Lab File: BF086194.D
Acq: 9 Apr 2016 3:25

Tgt Ion:228 Resp: 266040
Ion Ratio Lower Upper
228 100
226 30.9 22.1 33.1
229 22.6 16.2 24.4





#82

Chrysene

Concen: 13.63 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.05 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

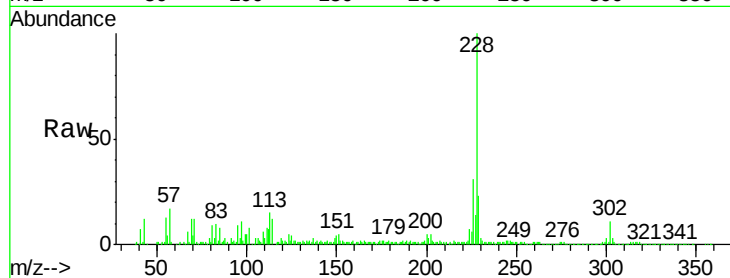
Tgt Ion:228 Resp: 183979

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

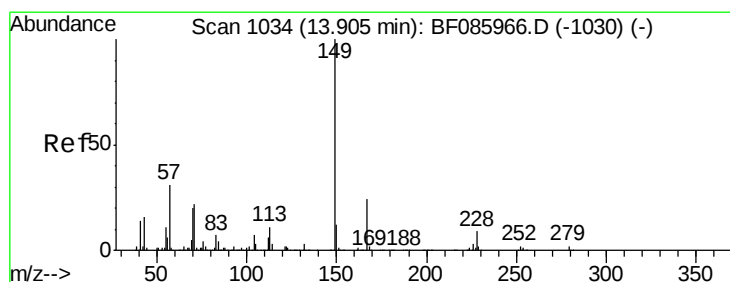
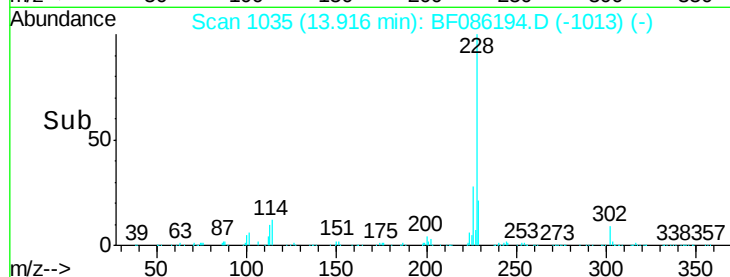
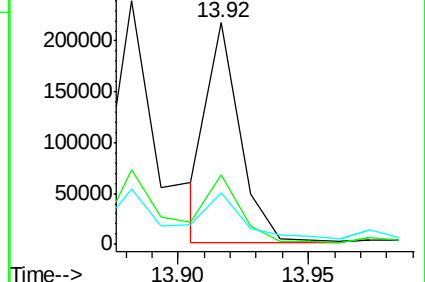
229 23.2 15.7 23.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.94 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.03 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

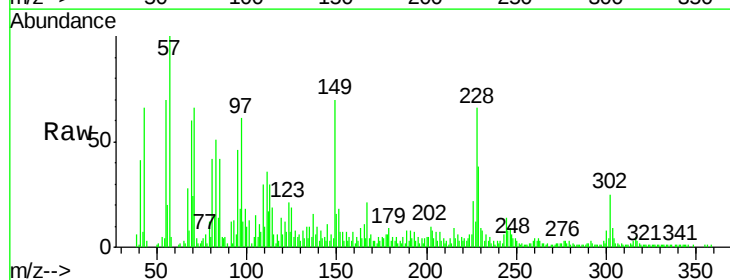
Tgt Ion:149 Resp: 29486

Ion Ratio Lower Upper

149 100

167 30.0 19.4 29.2#

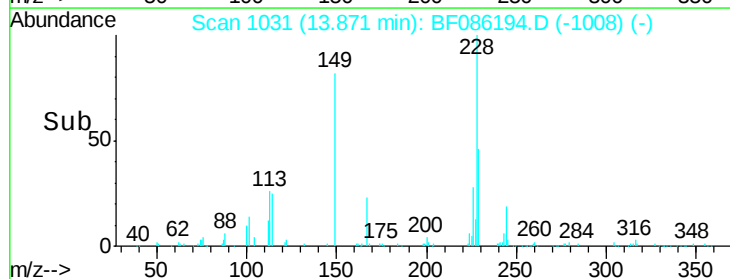
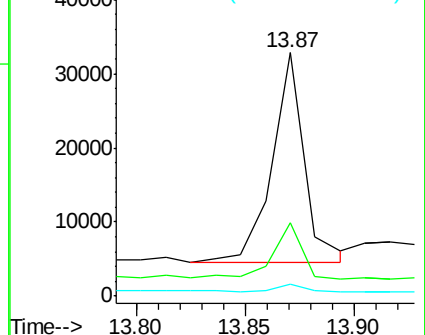
279 4.8 1.5 2.3#

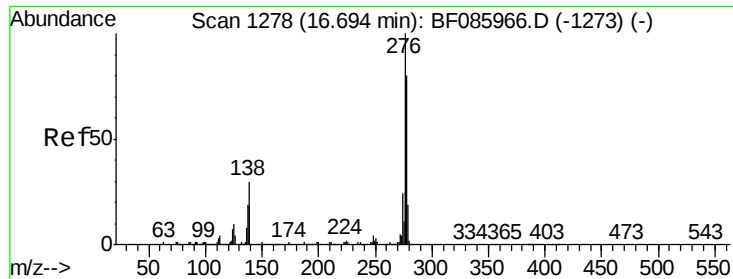


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

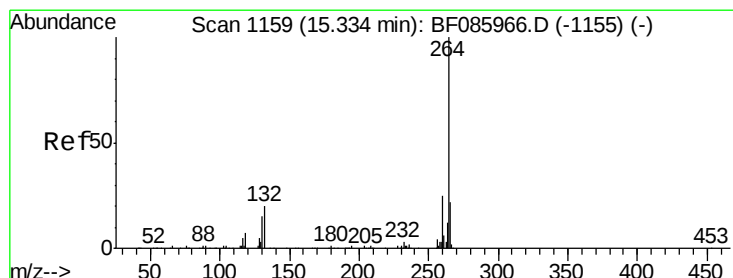
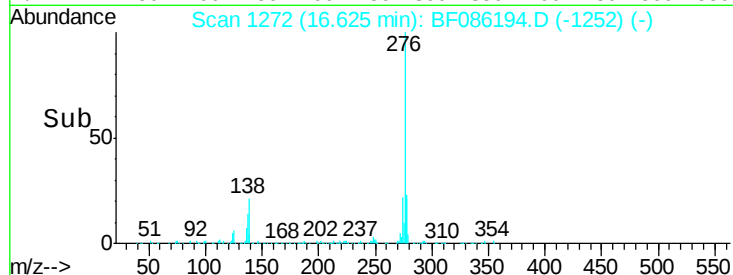
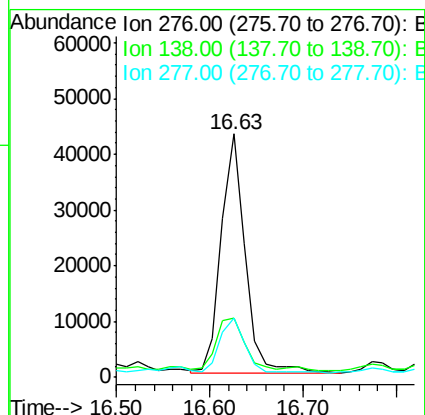
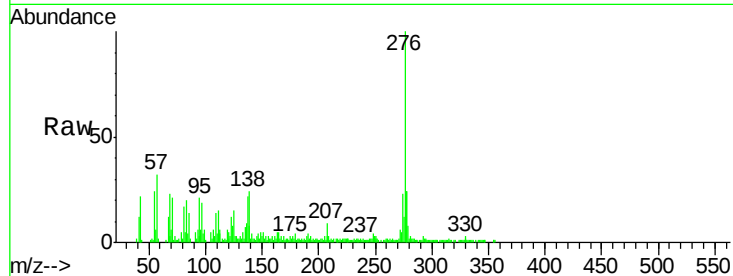




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.03 ng
 RT: 16.63 min Scan# 1272
 Delta R.T. -0.07 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

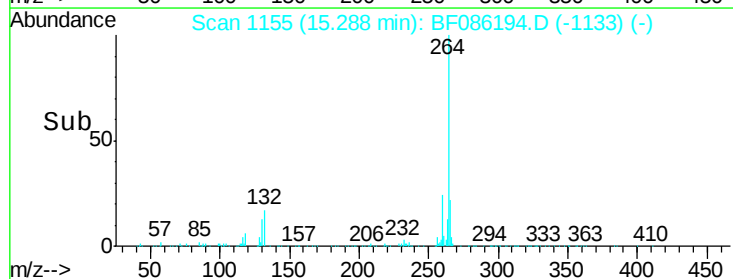
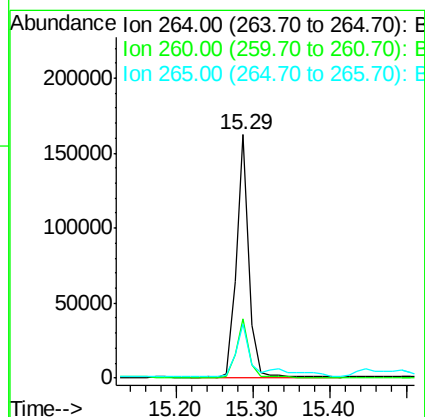
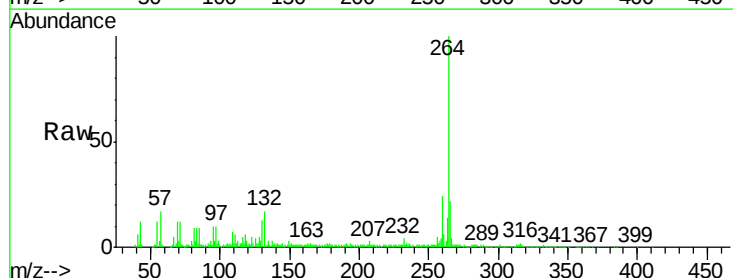
Instrument :
 BNA_F
 ClientSampleId :
 DRAIN

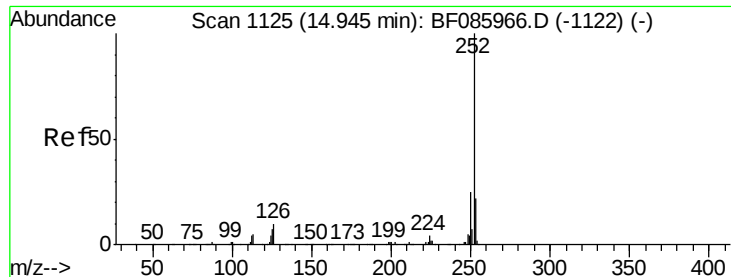
Tgt Ion:	276	Resp:	76992
Ion	Ratio	Lower	Upper
276	100		
138	24.3	24.2	36.4
277	23.1	20.0	30.0



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.29 min Scan# 1155
 Delta R.T. -0.05 min
 Lab File: BF086194.D
 Acq: 9 Apr 2016 3:25

Tgt Ion:	264	Resp:	187467
Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 23.24 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.05 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

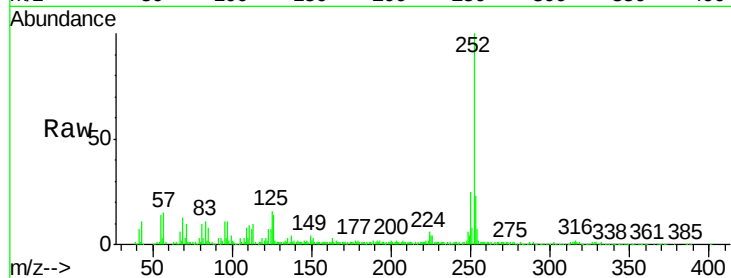
Tgt Ion:252 Resp: 274012

Ion Ratio Lower Upper

252 100

253 22.7 17.6 26.4

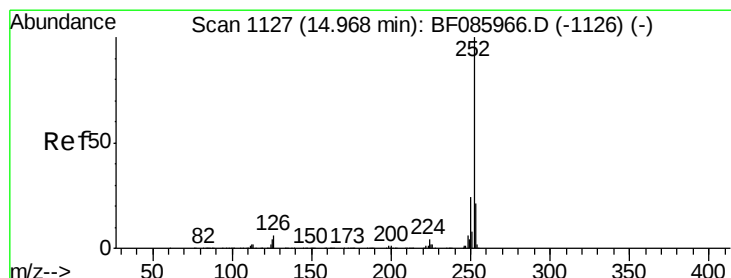
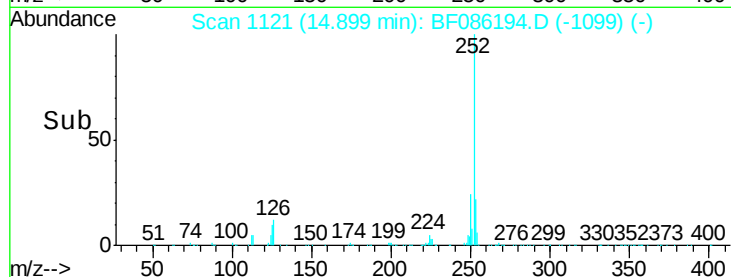
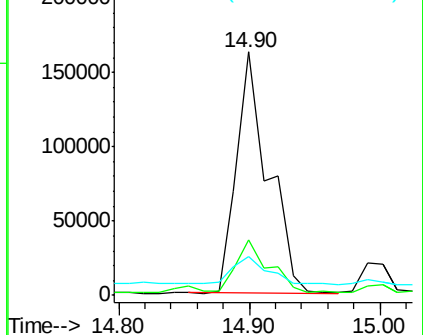
125 15.9 10.3 15.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 26.24 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.07 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

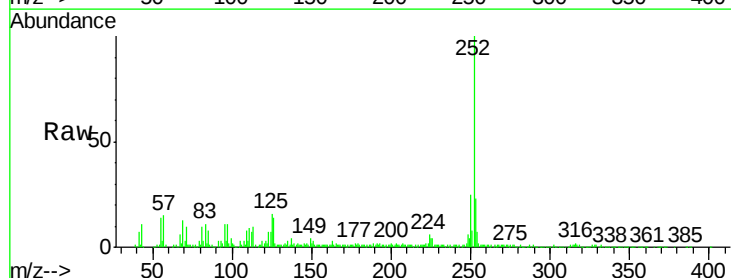
Tgt Ion:252 Resp: 274012

Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

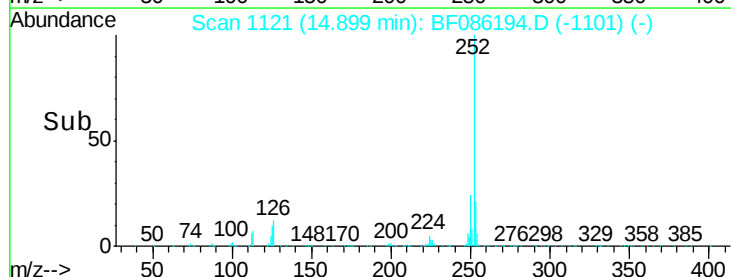
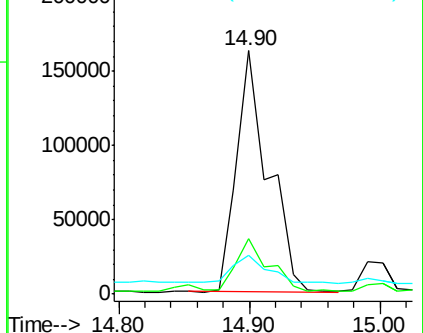
125 15.9 7.7 11.5#

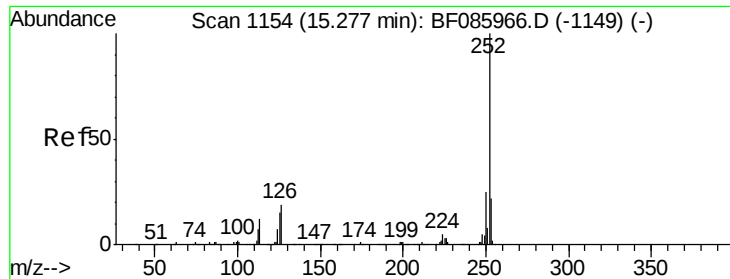


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.27 ng

RT: 15.23 min Scan# 1150

Delta R.T. -0.05 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

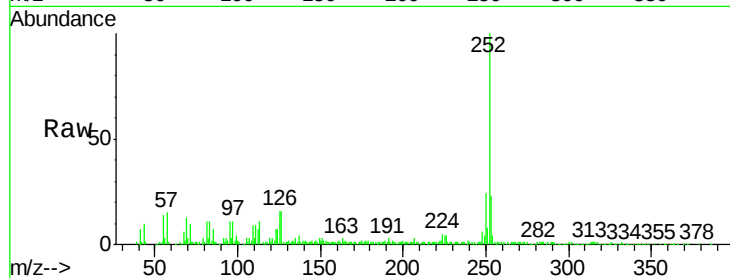
Tgt Ion: 252 Resp: 149155

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

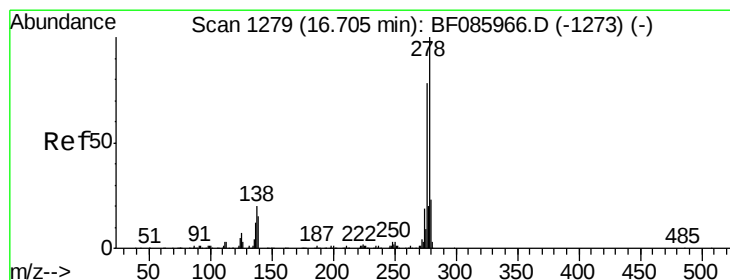
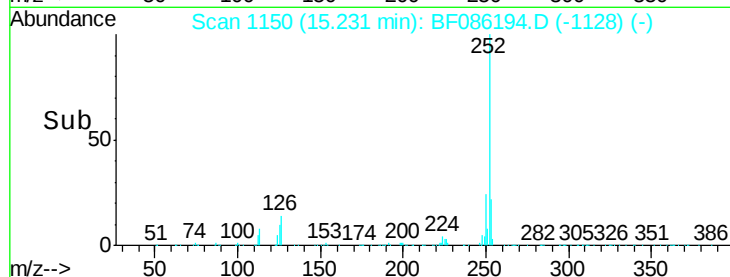
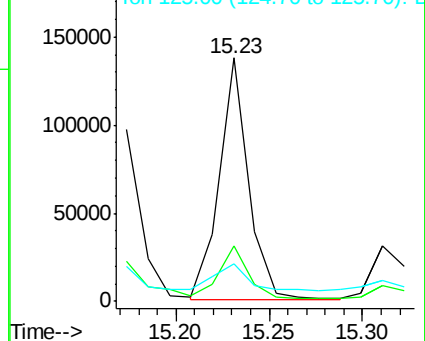
125 15.6 10.3 15.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Dibenzo(a,h)anthracene

Concen: 2.56 ng

RT: 16.63 min Scan# 1272

Delta R.T. -0.08 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

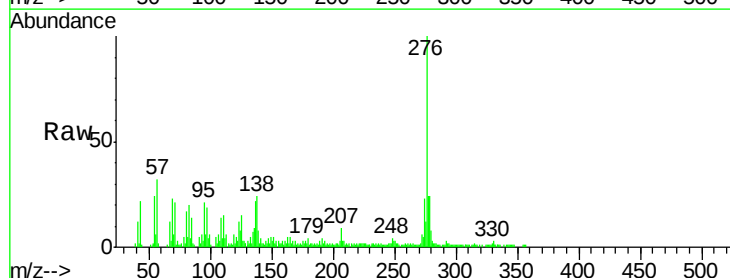
Tgt Ion: 278 Resp: 21505

Ion Ratio Lower Upper

278 100

139 34.0 14.4 21.6#

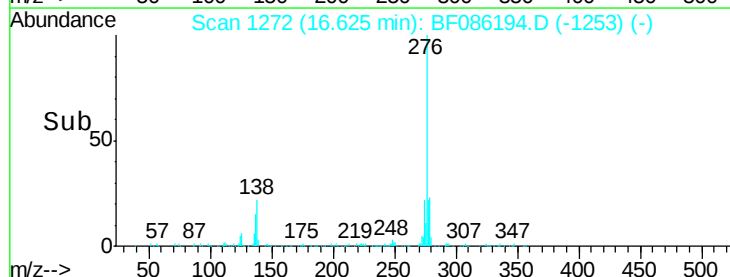
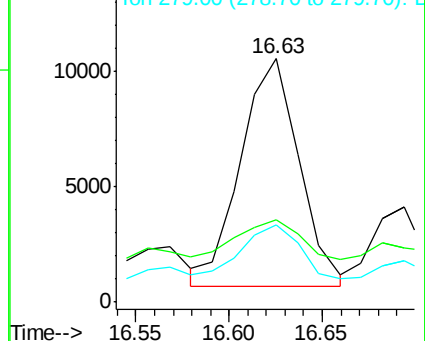
279 31.8 19.1 28.7#

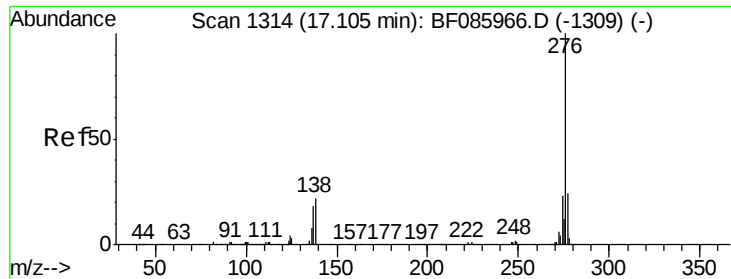


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 9.33 ng

RT: 17.03 min Scan# 1307

Delta R.T. -0.08 min

Lab File: BF086194.D

Acq: 9 Apr 2016 3:25

Instrument :

BNA_F

ClientSampleId :

DRAIN

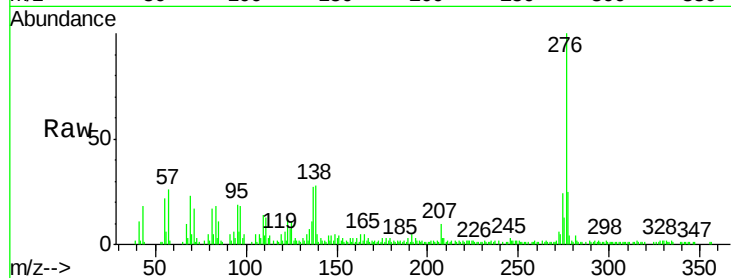
Tgt Ion: 276 Resp: 75928

Ion Ratio Lower Upper

276 100

277 25.2 18.8 28.2

138 28.0 22.6 34.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

