

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040716\
 Data File : BF086160.D
 Acq On : 8 Apr 2016 5:35
 Operator : UM/SJ
 Sample : H2310-06
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0

Quant Time: Apr 08 06:45:33 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	110438	20.00	ng	-0.03
21) Naphthalene-d8	8.03	136	408900	20.00	ng	-0.03
38) Acenaphthene-d10	9.78	164	168622	20.00	ng	-0.03
63) Phenanthrene-d10	11.28	188	133746	20.00	ng	-0.02
75) Chrysene-d12	13.84	240	3848	20.00	ng	-0.09
86) Perylene-d12	15.11	264	10583	20.00	ng	-0.23
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	723245	111.94	ng	-0.03
7) Phenol-d6	6.38	99	888548	108.27	ng	-0.03
23) Nitrobenzene-d5	7.31	82	607891	87.67	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	163228	103.13	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	744562	73.42	ng	-0.03
78) Terphenyl-d14	12.89	244	363461	2220.31	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.51	77	16320	3.70	ng	95
10) Phenol	6.41	94	21718	2.32	ng	90
18) Hexachloroethane	7.30	117	45124	14.58	ng	# 1
19) n-Nitroso-di-n-propylamine	7.31	70	81383	16.00	ng	# 75
20) 3+4-Methylphenols	7.18	107	43358	5.87	ng	# 58
27) 2,4-Dimethylphenol	7.70	122	25847	3.97	ng	94
31) Naphthalene	8.05	128	3965293	192.79	ng	98
32) Benzoic acid	7.84	122	39730	8.31	ng	# 15
33) 4-Chloroaniline	8.05	127	573904	69.08	ng	# 34
37) 2-Methylnaphthalene	8.74	142	1618512	120.46	ng	98
45) 1,1'-Biphenyl	9.21	154	874783	60.17	ng	94
47) 2-Nitroaniline	9.37	65	14218	4.61	ng	# 23
48) Acenaphthylene	9.64	152	179913	10.66	ng	# 82
49) Dimethylphthalate	9.50	163	158640	12.69	ng	99
50) 2,6-Dinitrotoluene	9.47	165	11464	4.34	ng	# 1
51) Acenaphthene	9.84	154	2722447	271.13	ng	99
53) 2,4-Dinitrophenol	9.94	184	560	2.53	ng	# 1
54) Dibenzofuran	10.01	168	3342468	252.06	ng	99
55) 4-Nitrophenol	10.01	139	1466122	780.36	ng	# 11
56) 2,4-Dinitrotoluene	10.00	165	10422	3.12	ng	# 1
57) Fluorene	10.35	166	2690358	237.50	ng	# 98
61) 4-Nitroaniline	10.35	138	36721	11.70	ng	# 27
62) Azobenzene	10.49	77	48517	4.02	ng	# 1
65) n-Nitrosodiphenylamine	10.42	169	381013	91.09	ng	# 1
66) 4-Bromophenyl-phenylether	10.59	248	8819	6.46	ng	# 1
70) Phenanthrene	11.38	178	19769708	2709.51	ng	95
71) Anthracene	11.38	178	19769708	2586.53	ng	95
72) Carbazole	11.54	167	2619783	398.74	ng	97
73) Di-n-butylphthalate	11.85	149	73320	9.01	ng	# 80
74) Fluoranthene	12.58	202	15097788	1989.41	ng	89
76) Benzidine	12.60	184	8641	63.65	ng	# 1
77) Pyrene	12.58	202	15085624	55632.94	ng	94
79) Butylbenzylphthalate	13.28	149	1792	14.68	ng	# 1
80) Benzo(a)anthracene	13.71	228	1238113	5458.46	ng	# 63

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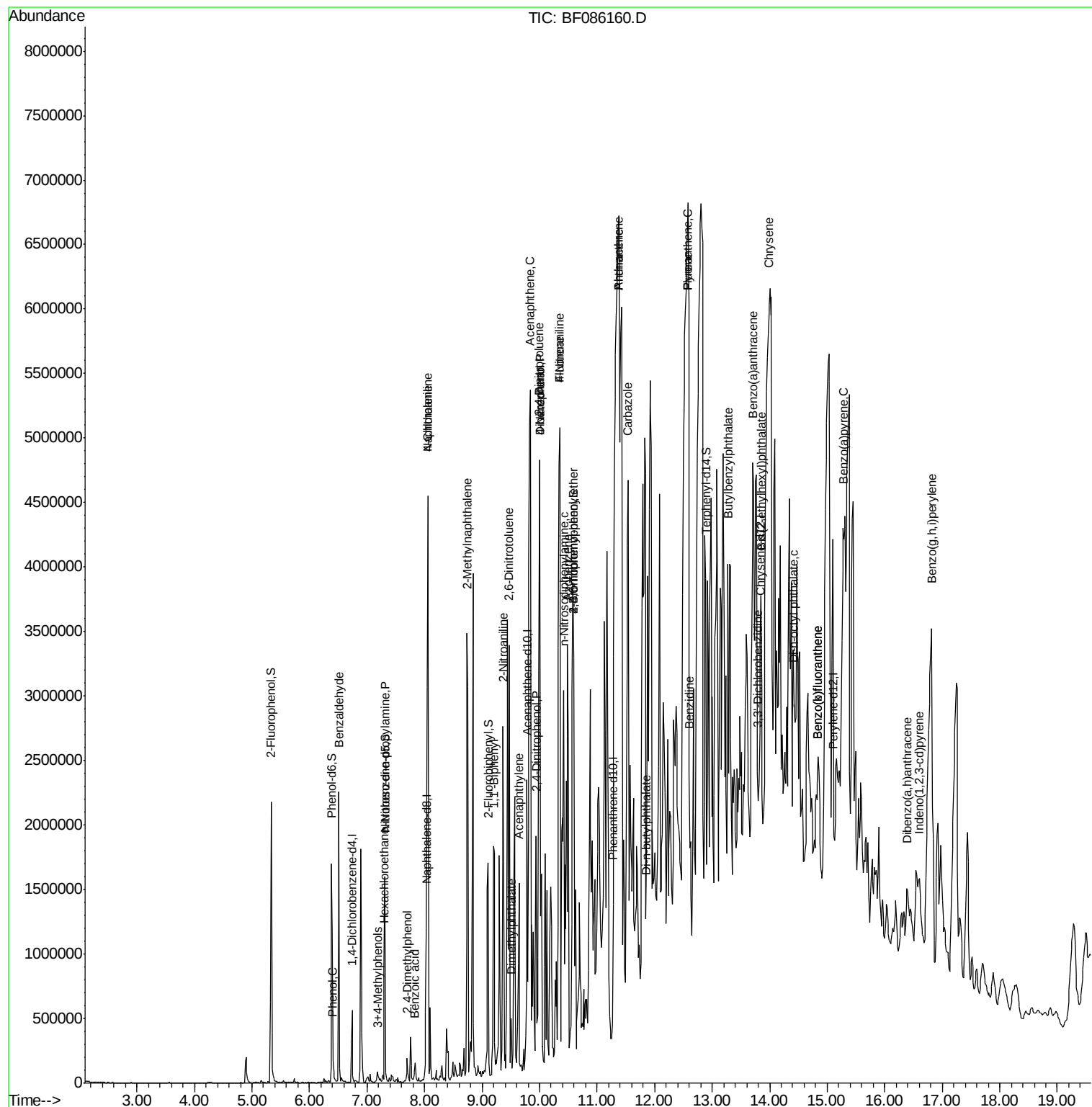
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) 3,3'-Dichlorobenzidine	13.79	252	8222	49.63	ng	# 50
82) Chrysene	13.99	228	12870836	58907.87	ng	# 92
83) Bis(2-ethylhexyl)phthalate	13.85	149	15635	96.48	ng	# 77
84) Di-n-octyl phthalate	14.42	149	3822	14.77	ng	# 23
85) Indeno(1,2,3-cd)pyrene	16.60	276	1050446	5925.63	ng	# 81
87) Benzo(b)fluoranthene	14.83	252	191669	287.91	ng	# 1
88) Benzo(k)fluoranthene	14.83	252	191669	325.12	ng	# 1
89) Benzo(a)pyrene	15.28	252	3244112	5499.83	ng	95
90) Dibenzo(a,h)anthracene	16.39	278	164106	345.79	ng	# 1
91) Benzo(g,h,i)perylene	16.82	276	4560390	9929.53	ng	# 87

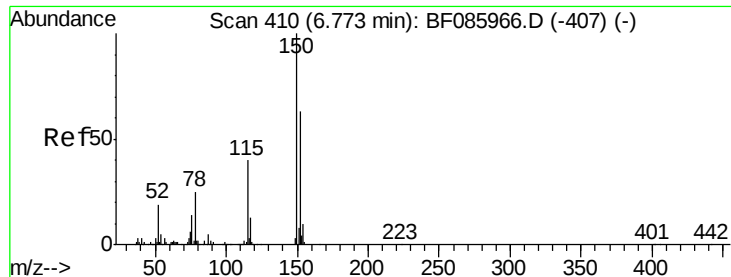
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

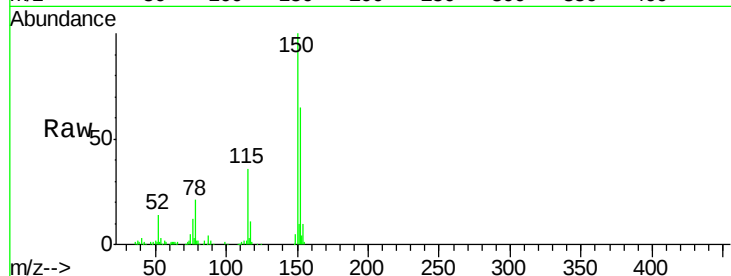
Tgt Ion:152 Resp: 110438

Ion Ratio Lower Upper

152 100

150 154.0 124.2 186.2

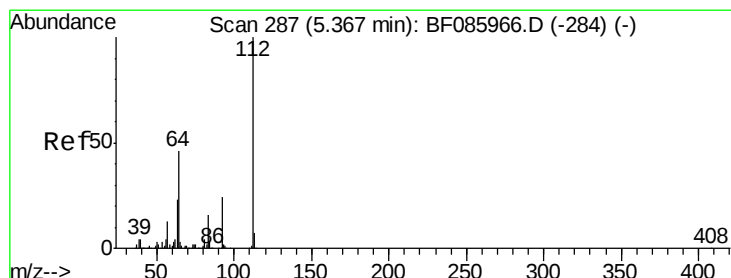
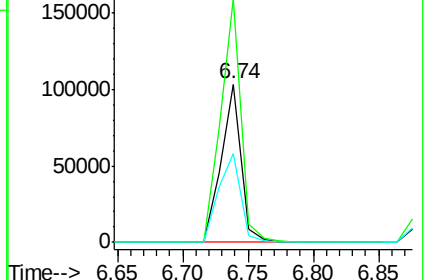
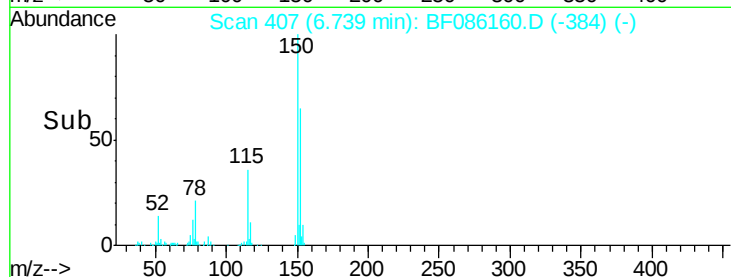
115 56.0 47.0 70.6



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: 111.94 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

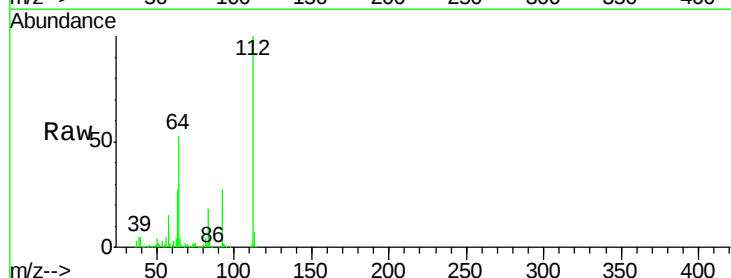
Tgt Ion:112 Resp: 723245

Ion Ratio Lower Upper

112 100

64 53.4 39.9 59.9

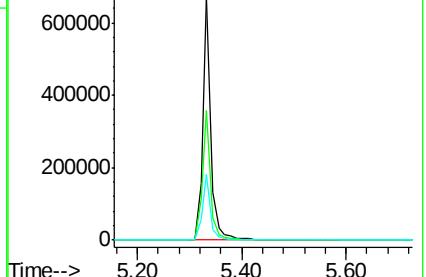
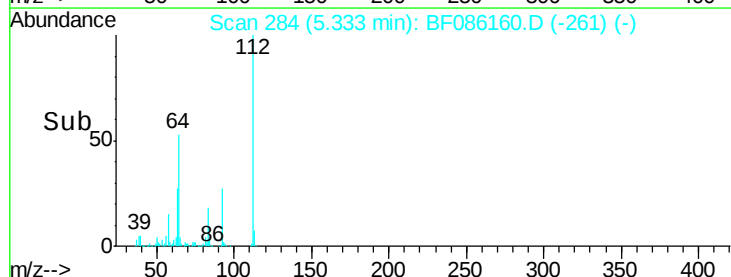
63 26.9 20.2 30.2

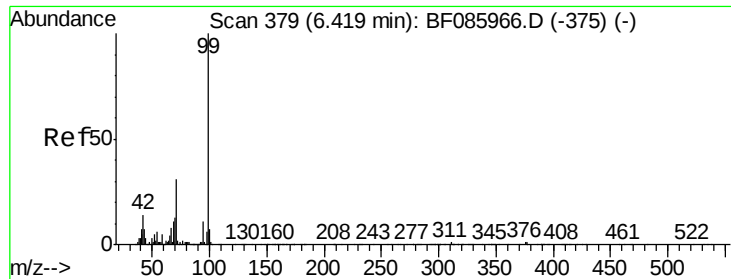


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.27 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

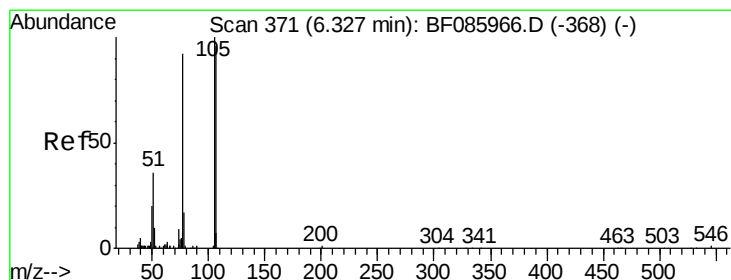
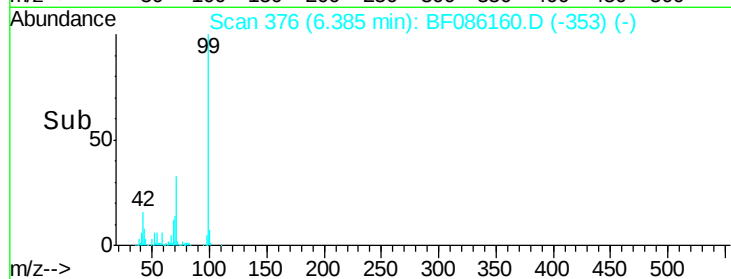
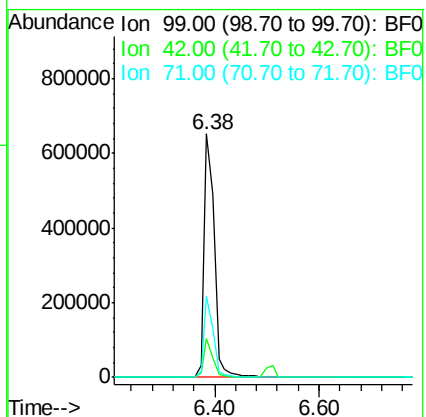
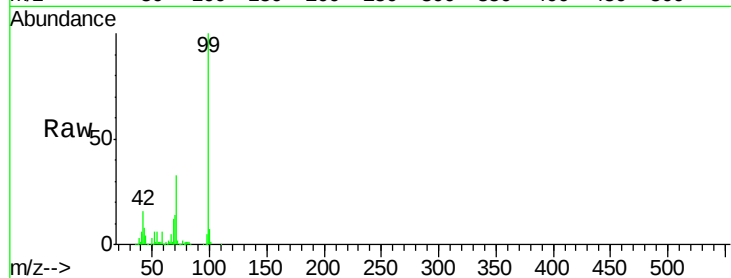
Tgt Ion: 99 Resp: 888548

Ion Ratio Lower Upper

99 100

42 15.9 11.1 16.7

71 33.1 24.9 37.3



#9

Benzaldehyde

Concen: 3.70 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

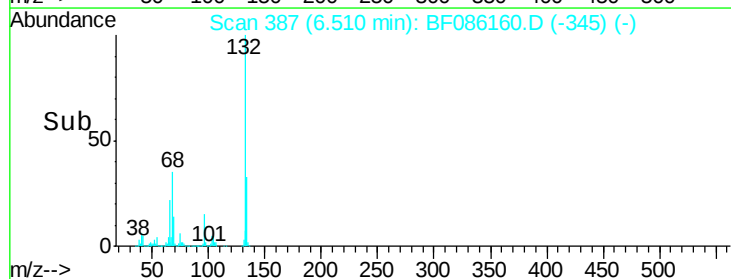
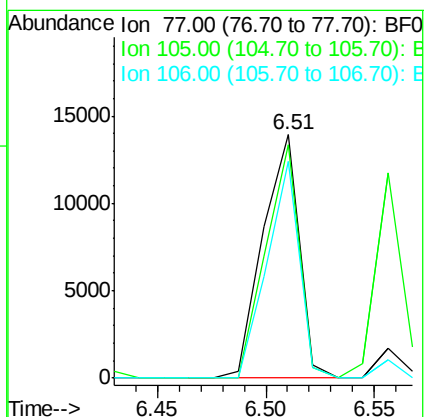
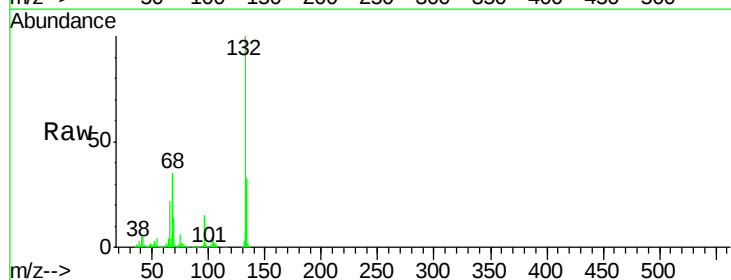
Tgt Ion: 77 Resp: 16320

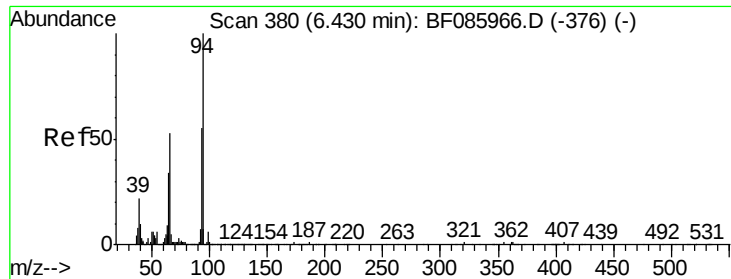
Ion Ratio Lower Upper

77 100

105 95.7 80.1 120.1

106 88.9 75.0 115.0





#10

Phenol

Concen: 2.32 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

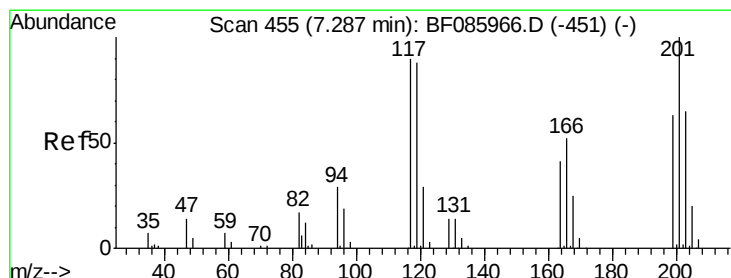
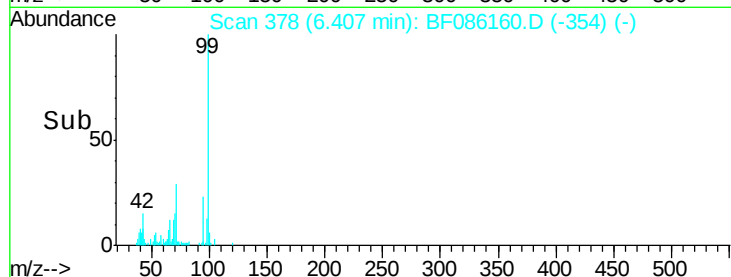
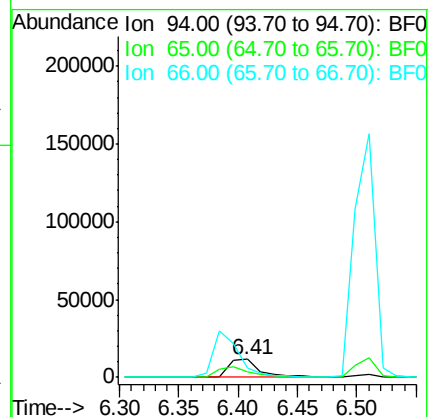
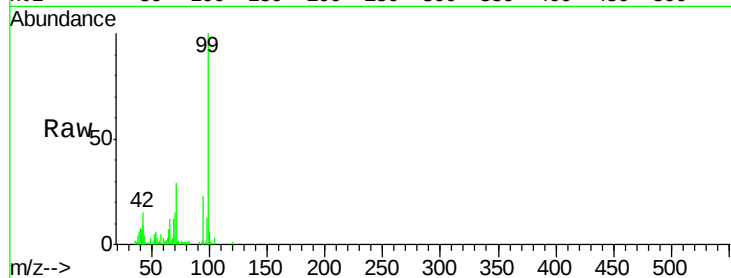
Tgt Ion: 94 Resp: 21718

Ion Ratio Lower Upper

94 100

65 28.8 8.6 48.6

66 50.5 20.0 60.0



#18

Hexachloroethane

Concen: 14.58 ng

RT: 7.30 min Scan# 456

Delta R.T. 0.01 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

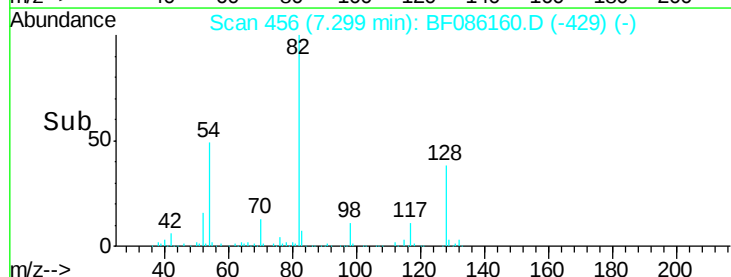
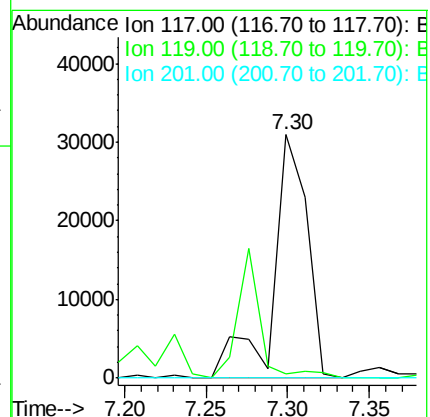
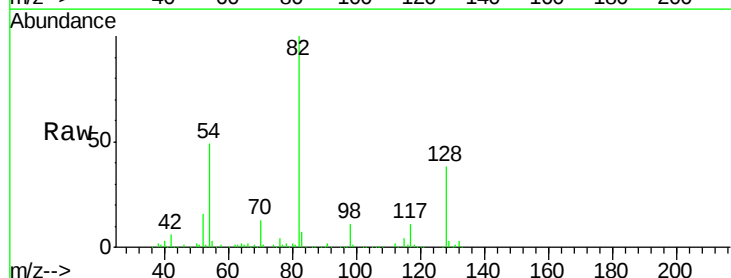
Tgt Ion: 117 Resp: 45124

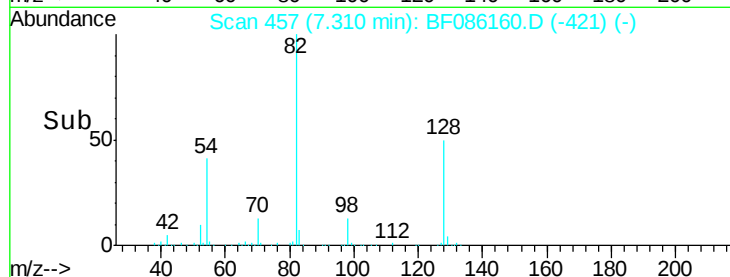
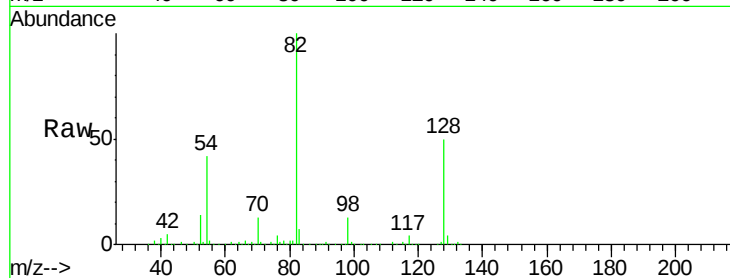
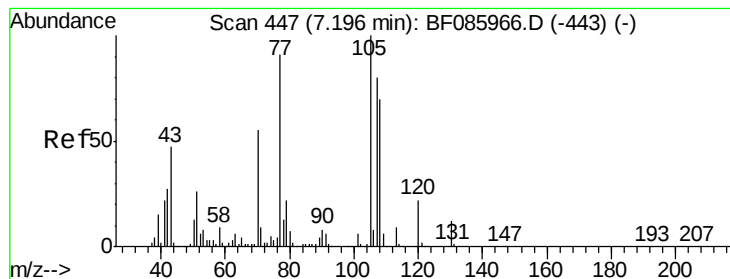
Ion Ratio Lower Upper

117 100

119 1.8 76.7 115.1#

201 0.0 83.3 124.9#





#19

n-Nitroso-di-n-propylamine

Concen: 16.00 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.11 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

Tgt Ion: 70 Resp: 81383

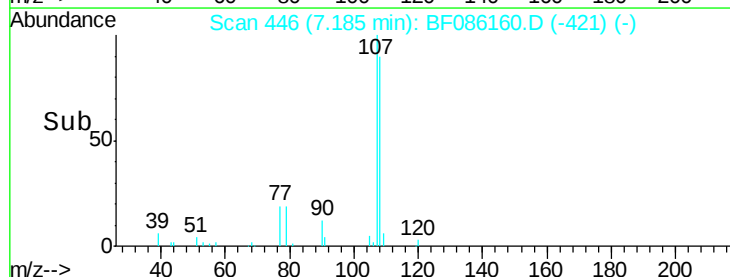
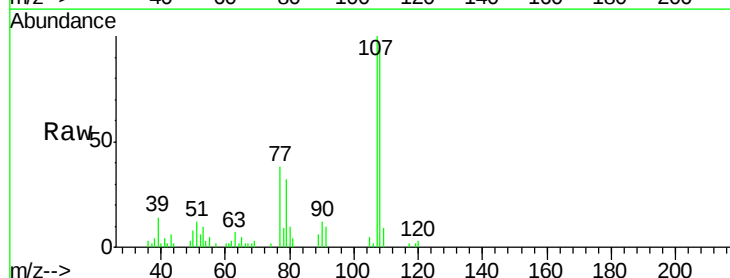
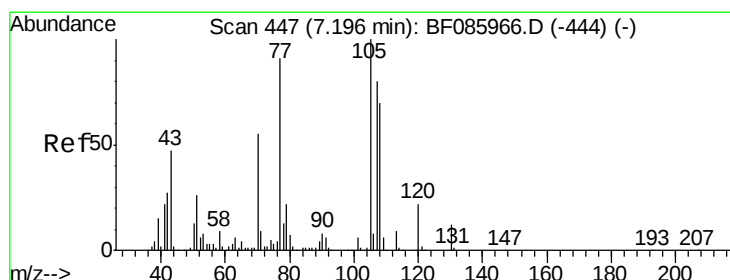
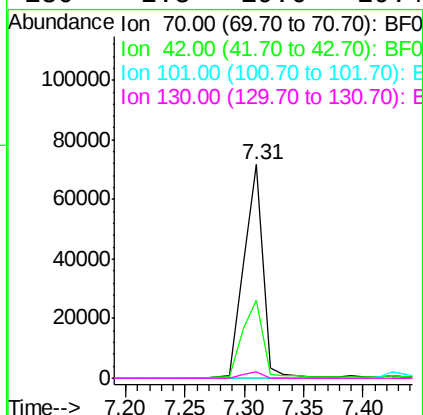
Ion Ratio Lower Upper

70 100

42 36.7 37.1 55.7#

101 0.0 8.6 12.8#

130 2.8 19.6 29.4#



#20

3+4-Methylphenols

Concen: 5.87 ng

RT: 7.18 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Tgt Ion:107 Resp: 43358

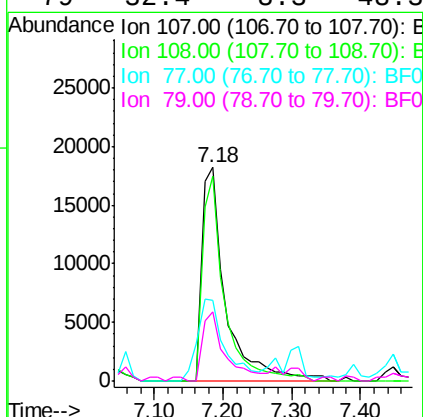
Ion Ratio Lower Upper

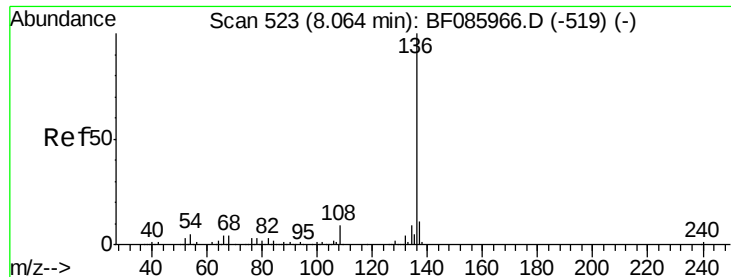
107 100

108 96.0 69.3 109.3

77 37.6 101.7 141.7#

79 32.4 8.3 48.3





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.03 min Scan# 520

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

Tgt Ion: 136 Resp: 408900

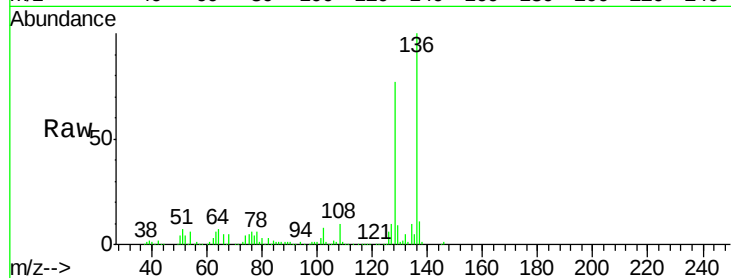
Ion Ratio Lower Upper

136 100

137 10.6 9.1 13.7

54 6.3 7.4 11.0#

68 5.4 5.8 8.8#

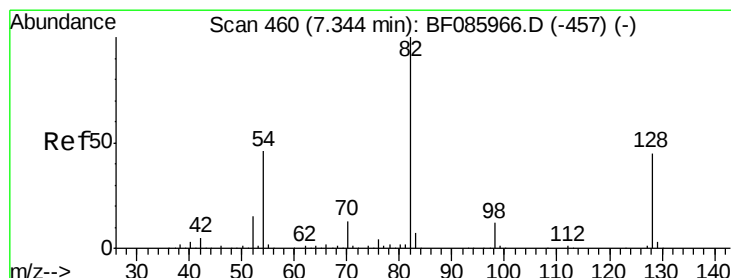
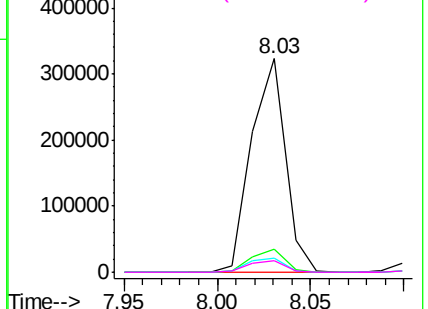
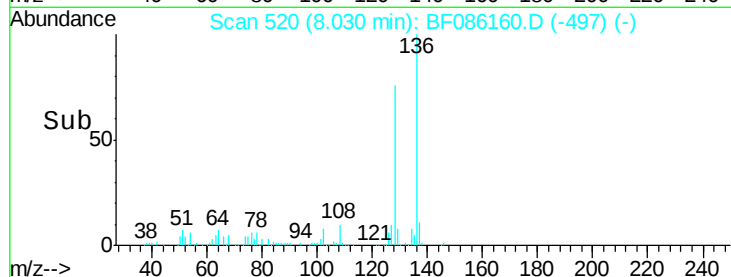


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 87.67 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

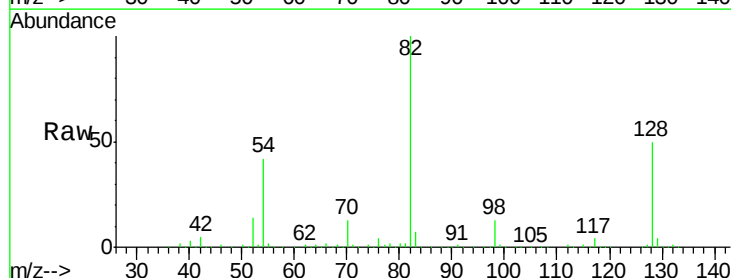
Tgt Ion: 82 Resp: 607891

Ion Ratio Lower Upper

82 100

128 49.6 41.8 62.8

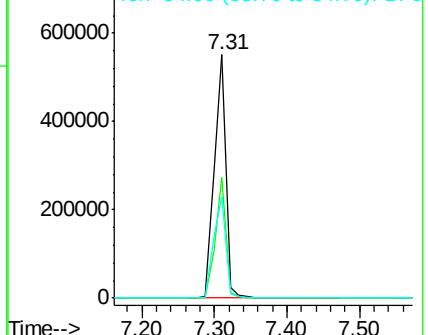
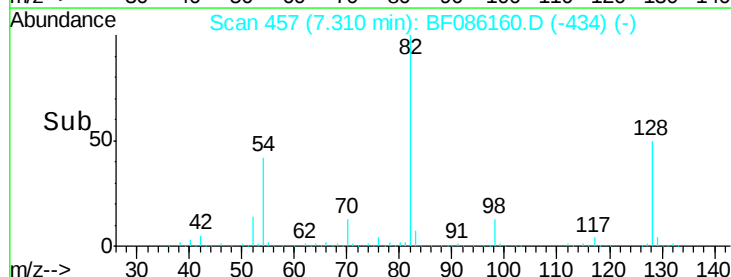
54 41.9 33.4 50.0

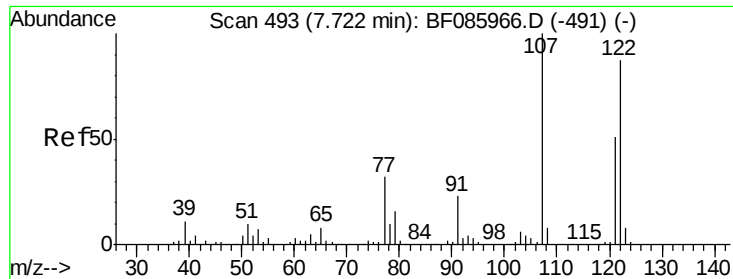


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

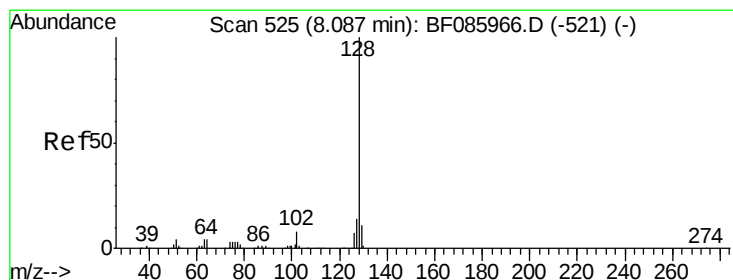
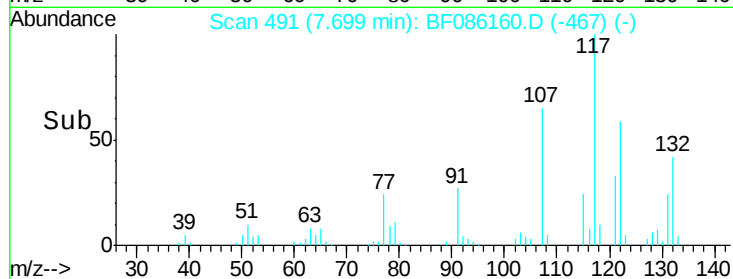
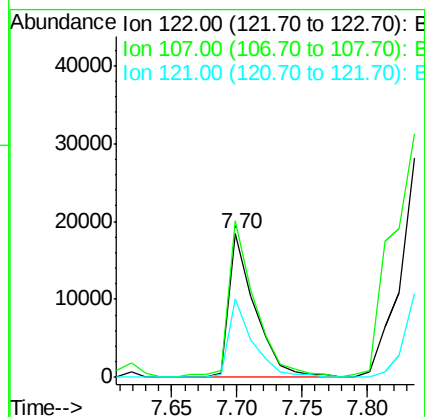
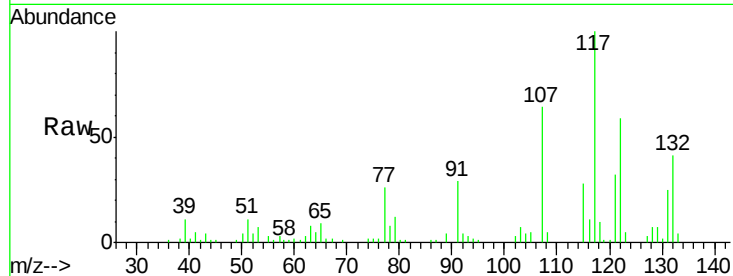




#27
2,4-Dimethylphenol
Concen: 3.97 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.02 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

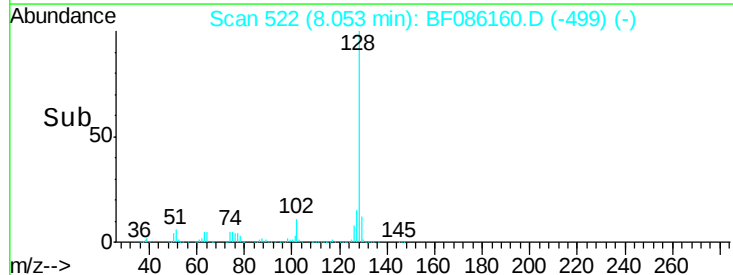
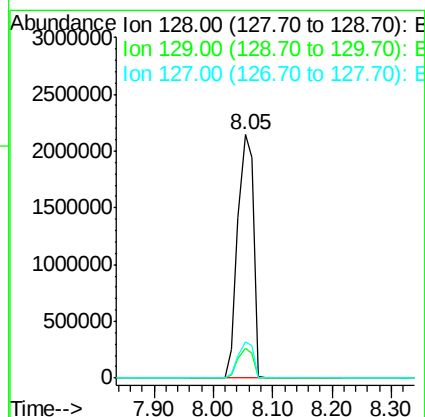
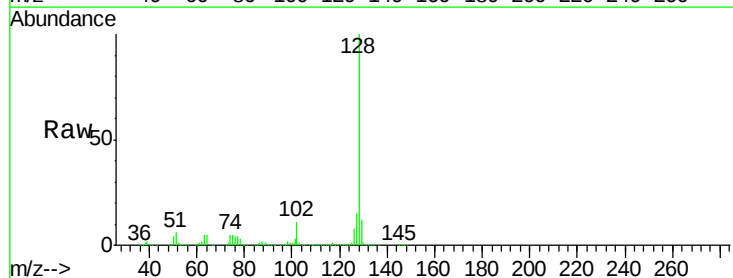
Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0

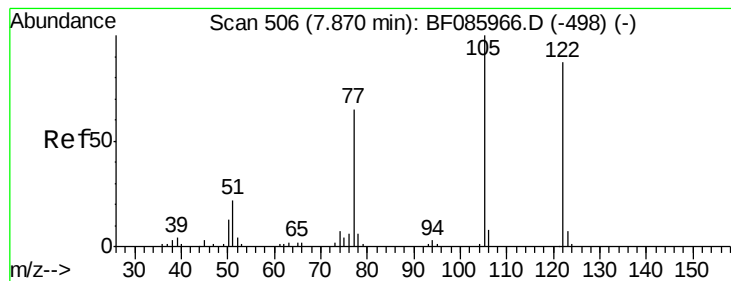
Tgt Ion:122 Resp: 25847
Ion Ratio Lower Upper
122 100
107 108.9 93.0 139.6
121 55.0 45.9 68.9



#31
Naphthalene
Concen: 192.79 ng
RT: 8.05 min Scan# 522
Delta R.T. -0.03 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Tgt Ion:128 Resp: 3965293
Ion Ratio Lower Upper
128 100
129 12.4 9.4 14.0
127 14.7 11.0 16.6





#32

Benzoic acid

Concen: 8.31 ng

RT: 7.84 min Scan# 503

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

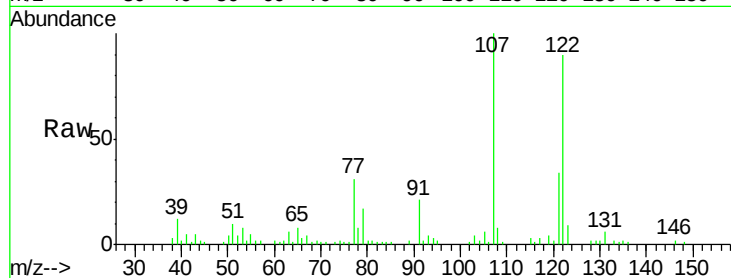
Tgt Ion:122 Resp: 39730

Ion Ratio Lower Upper

122 100

105 6.5 102.9 142.9#

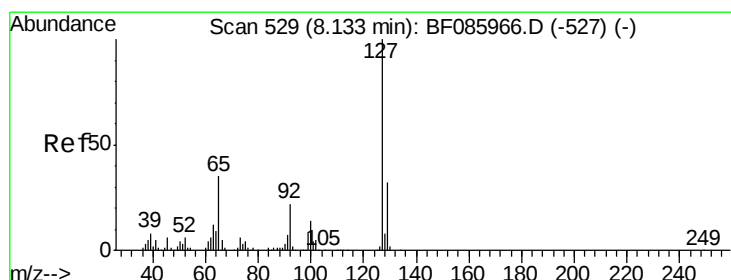
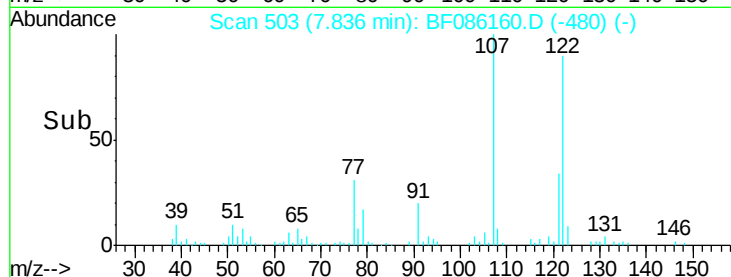
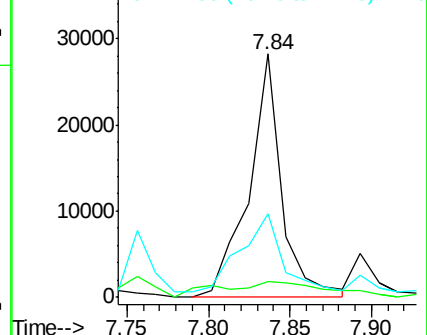
77 34.3 71.8 111.8#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#33

4-Chloroaniline

Concen: 69.08 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.08 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Tgt Ion:127 Resp: 573904

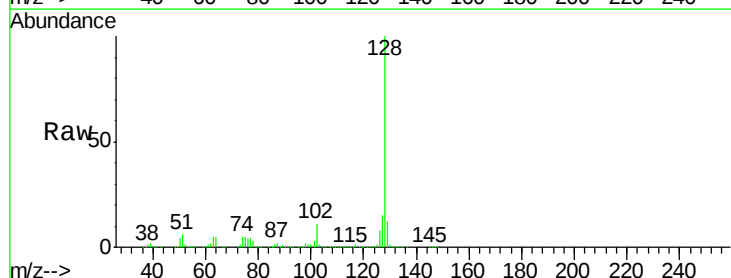
Ion Ratio Lower Upper

127 100

129 84.2 26.1 39.1#

65 0.0 19.5 29.3#

92 0.1 14.6 22.0#

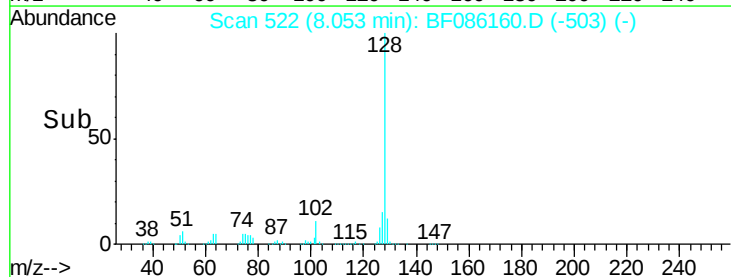
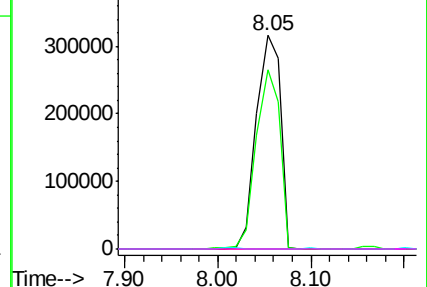


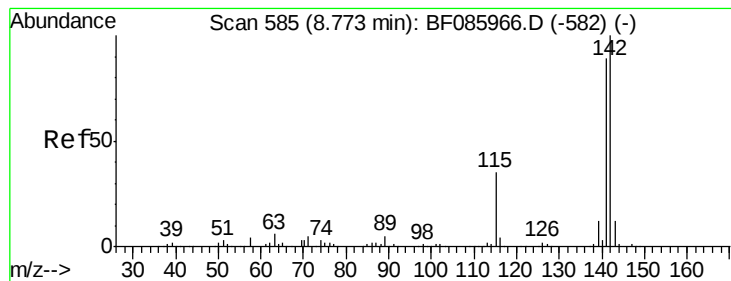
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 120.46 ng

RT: 8.74 min Scan# 582

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

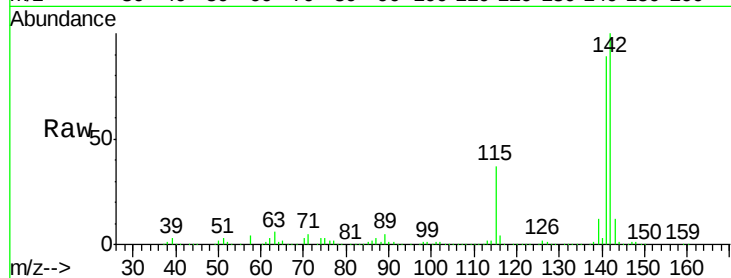
Tgt Ion:142 Resp: 1618512

Ion Ratio Lower Upper

142 100

141 89.3 71.6 107.4

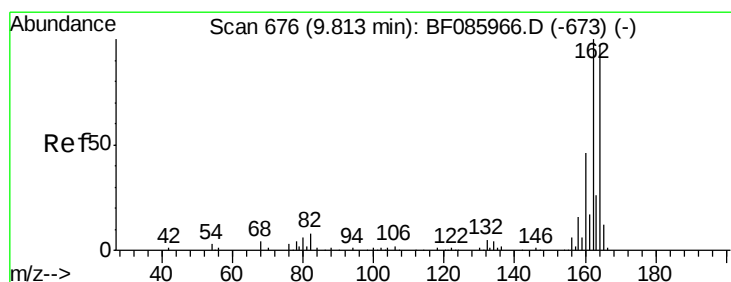
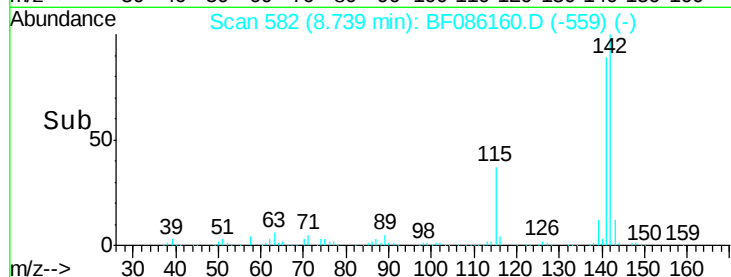
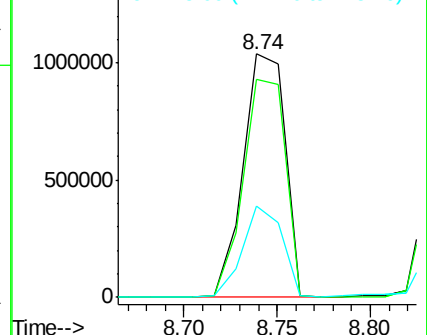
115 37.4 26.8 40.2



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: 9.78 min Scan# 673

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

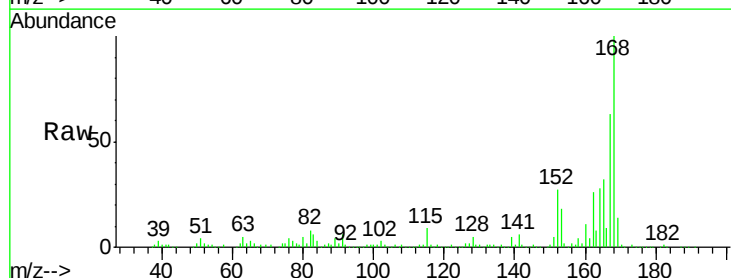
Tgt Ion:164 Resp: 168622

Ion Ratio Lower Upper

164 100

162 93.1 82.1 123.1

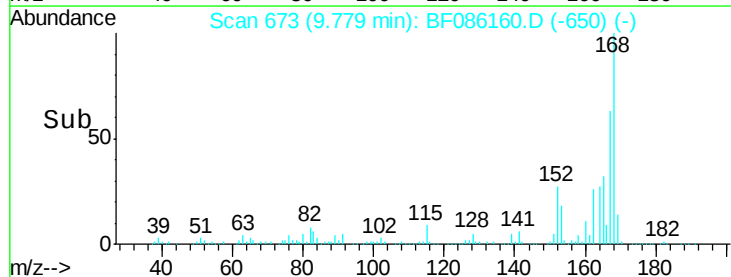
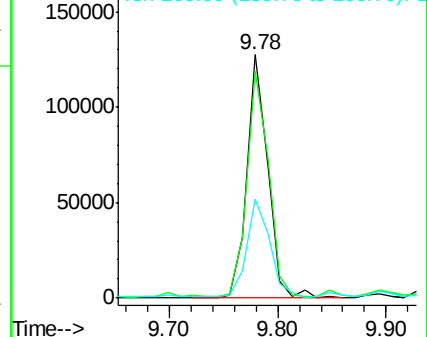
160 40.9 37.4 56.2

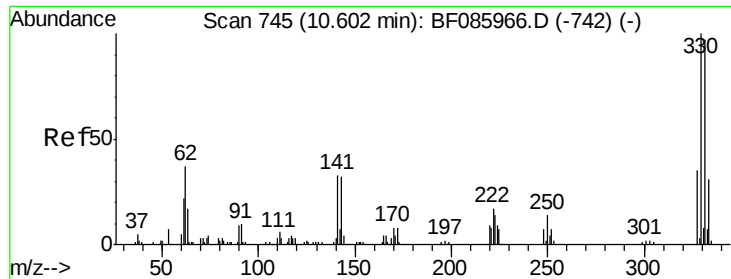


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

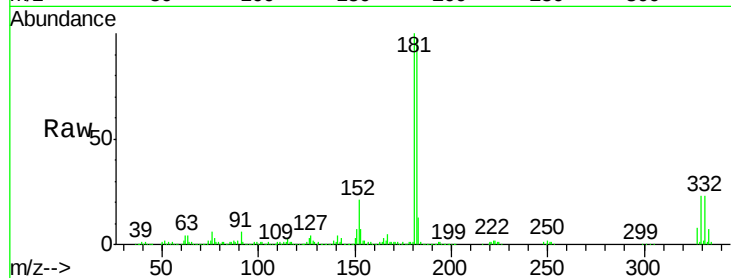




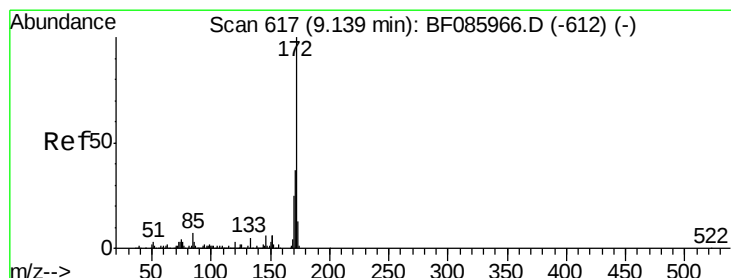
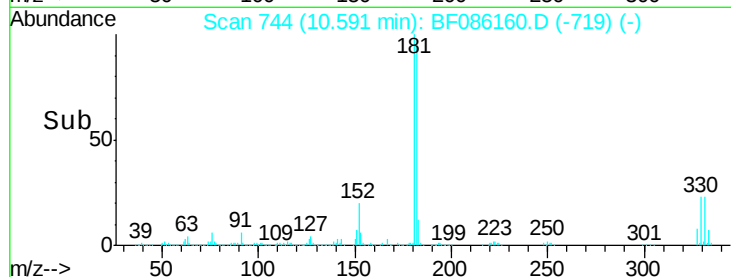
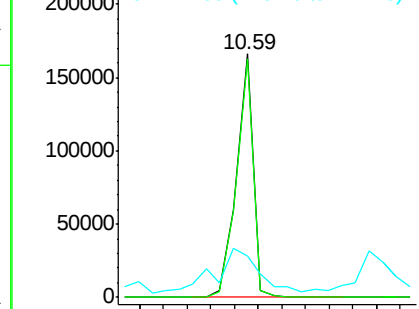
#41
 2,4,6-Tribromophenol
 Concen: 103.13 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.01 min
 Lab File: BF086160.D
 Acq: 8 Apr 2016 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0

Tgt Ion:330 Resp: 163228
 Ion Ratio Lower Upper
 330 100
 332 97.7 78.2 117.2
 141 44.6 31.5 47.3

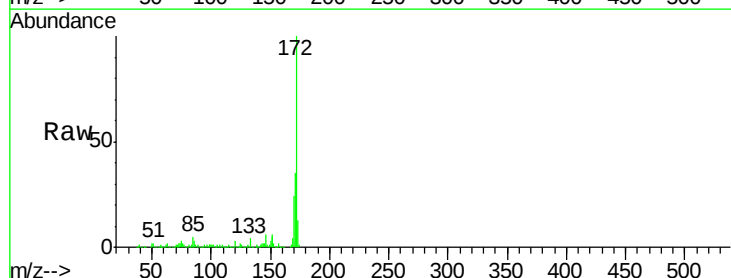


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

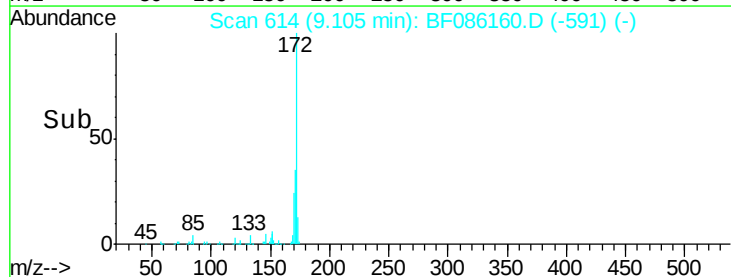
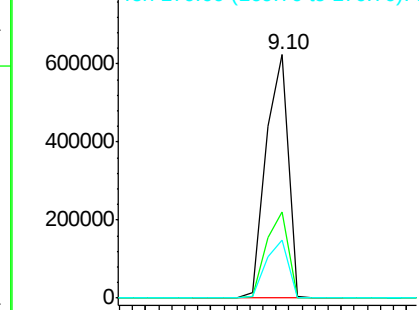


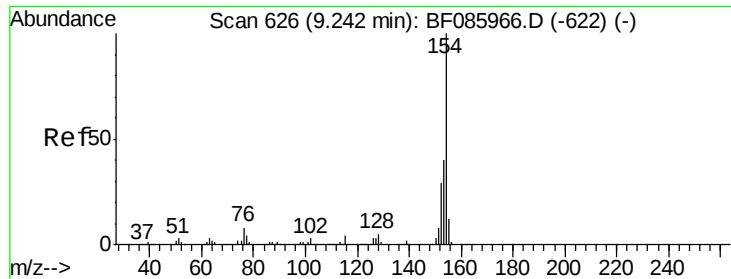
#44
 2-Fluorobiphenyl
 Concen: 73.42 ng
 RT: 9.10 min Scan# 614
 Delta R.T. -0.03 min
 Lab File: BF086160.D
 Acq: 8 Apr 2016 5:35

Tgt Ion:172 Resp: 744562
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.4 44.2
 170 23.7 19.8 29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

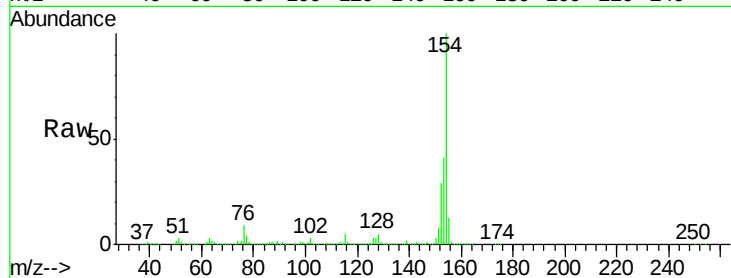




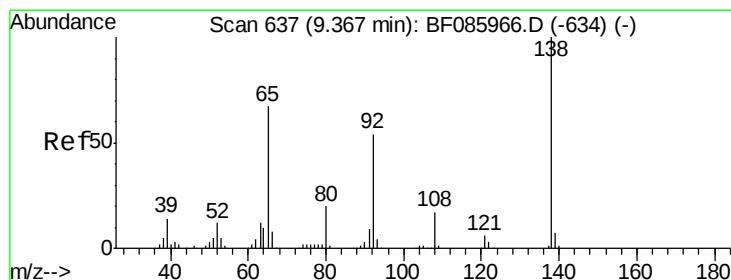
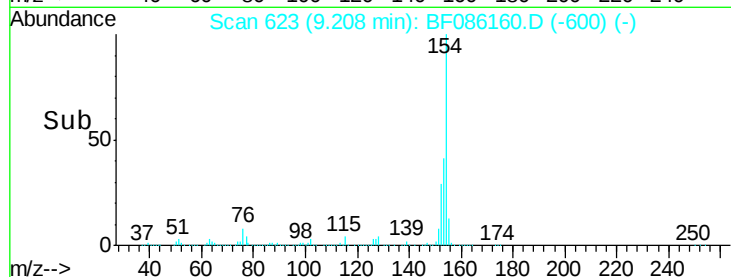
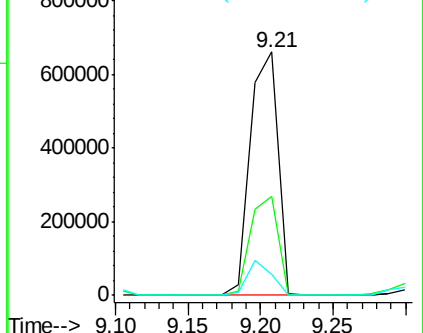
#45
 1,1'-Biphenyl
 Concen: 60.17 ng
 RT: 9.21 min Scan# 623
 Delta R.T. -0.03 min
 Lab File: BF086160.D
 Acq: 8 Apr 2016 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0

Tgt Ion:154 Resp: 874783
 Ion Ratio Lower Upper
 154 100
 153 40.6 20.8 60.8
 76 8.6 0.0 36.7

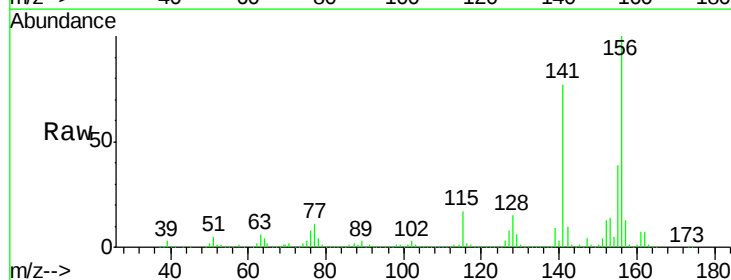


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): E

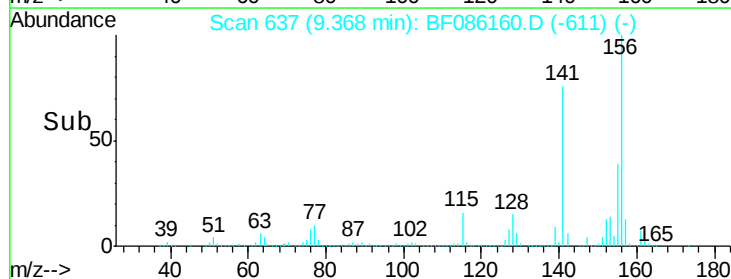
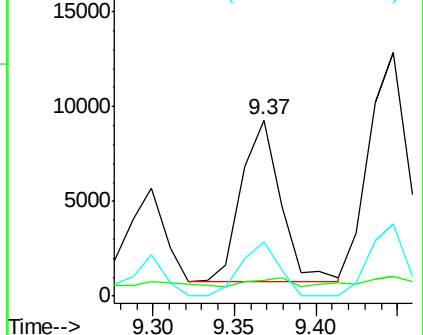


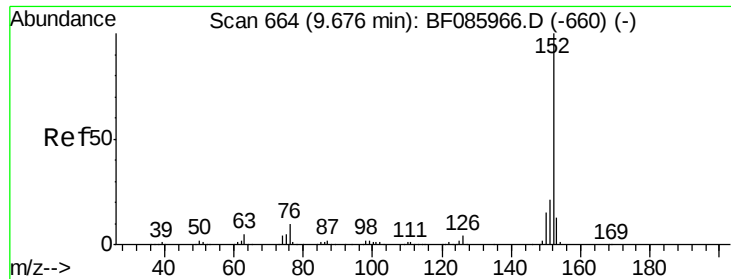
#47
 2-Nitroaniline
 Concen: 4.61 ng
 RT: 9.37 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: BF086160.D
 Acq: 8 Apr 2016 5:35

Tgt Ion: 65 Resp: 14218
 Ion Ratio Lower Upper
 65 100
 92 8.8 59.7 89.5#
 138 31.0 91.4 137.0#



Abundance Ion 65.00 (64.70 to 65.70): BF0
 Ion 92.00 (91.70 to 92.70): BF0
 Ion 138.00 (137.70 to 138.70): E





#48

Acenaphthylene

Concen: 10.66 ng

RT: 9.64 min Scan# 661

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

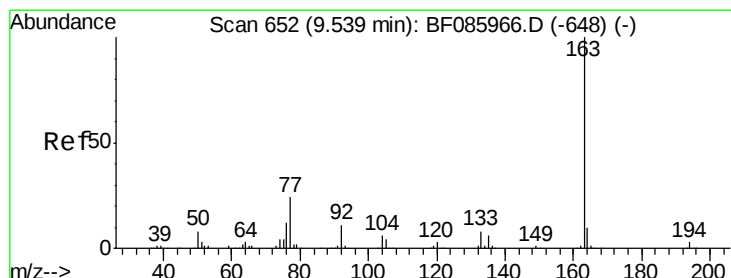
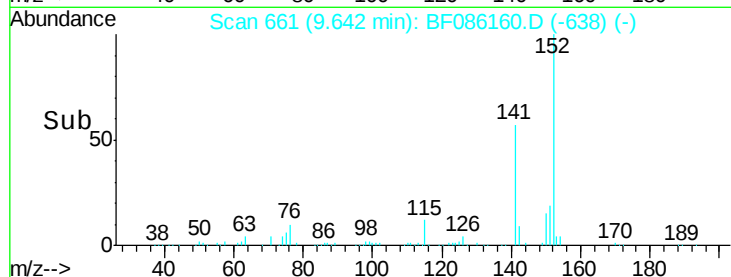
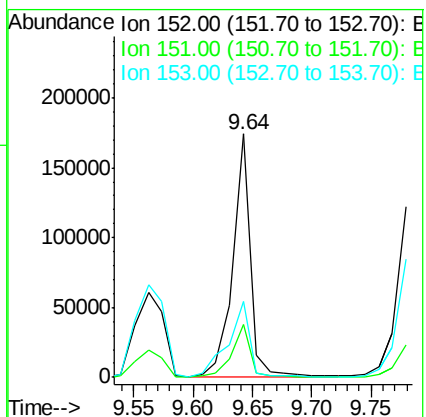
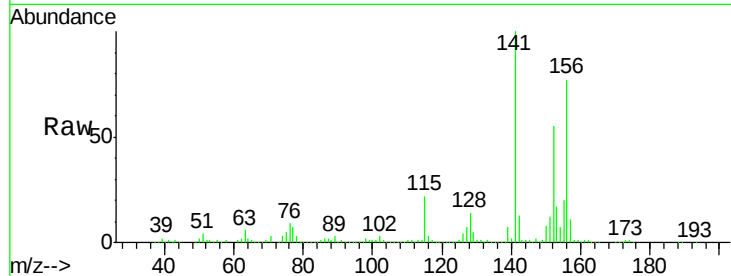
Tgt Ion:152 Resp: 179913

Ion Ratio Lower Upper

152 100

151 21.8 16.8 25.2

153 31.1 10.9 16.3#



#49

Dimethylphthalate

Concen: 12.69 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

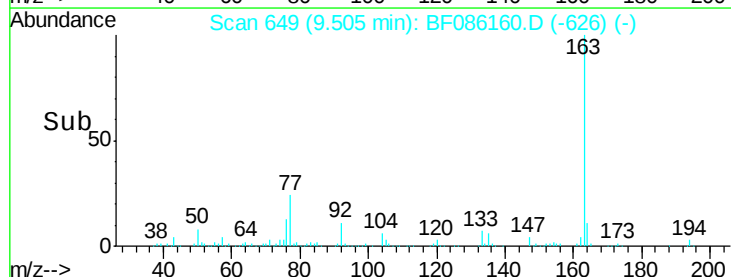
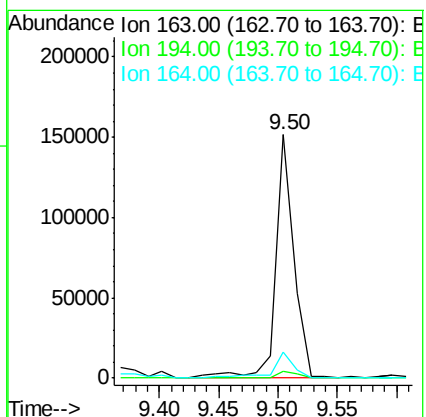
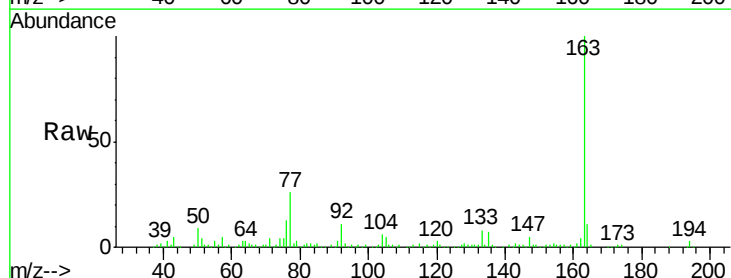
Tgt Ion:163 Resp: 158640

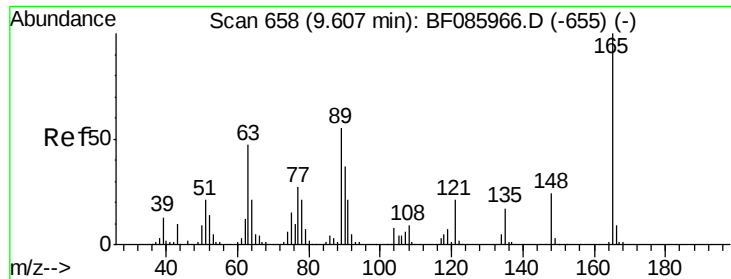
Ion Ratio Lower Upper

163 100

194 3.0 2.9 4.3

164 10.9 8.3 12.5

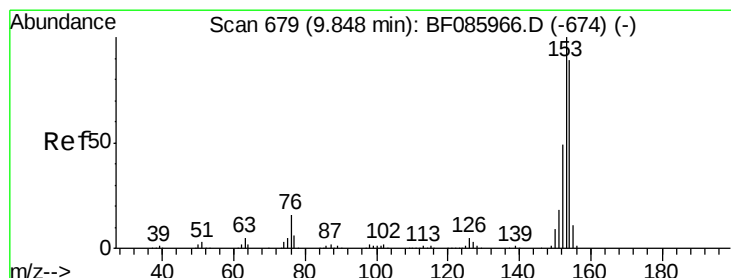
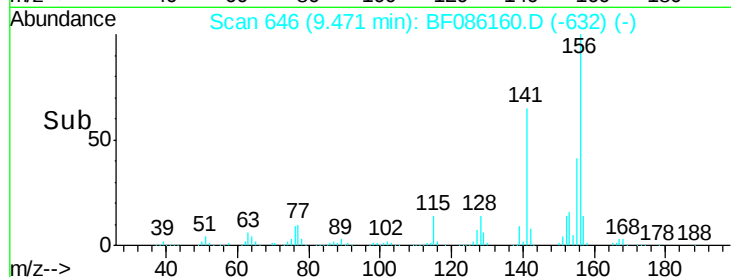
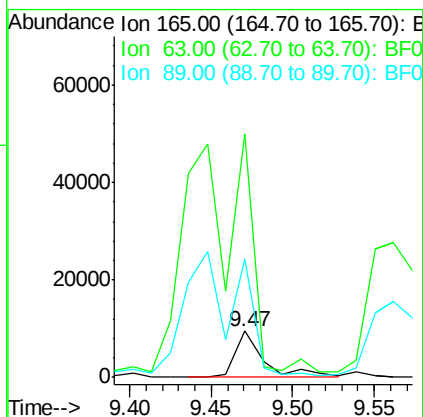
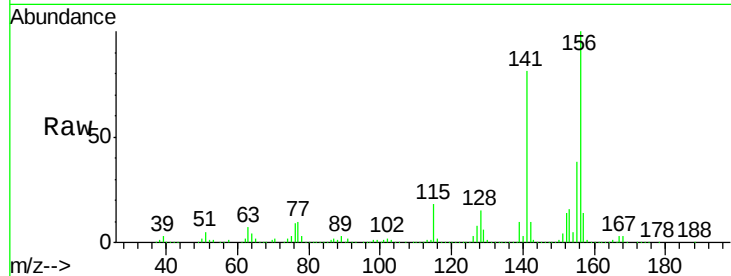




#50
2,6-Dinitrotoluene
Concen: 4.34 ng
RT: 9.47 min Scan# 646
Delta R.T. -0.14 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

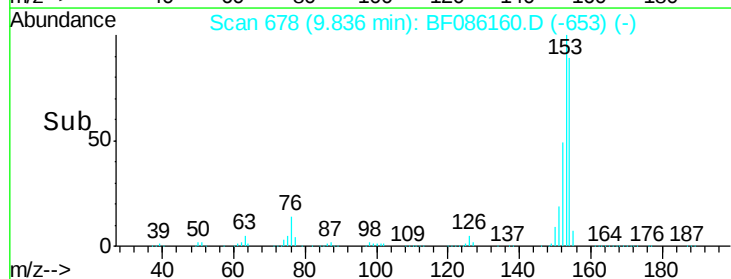
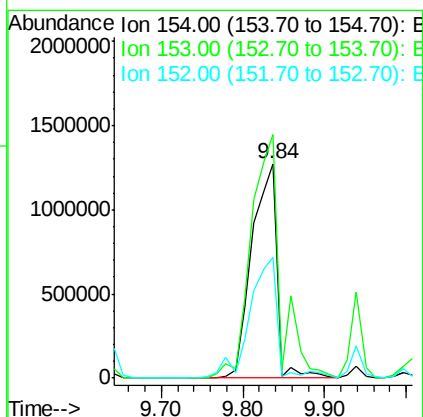
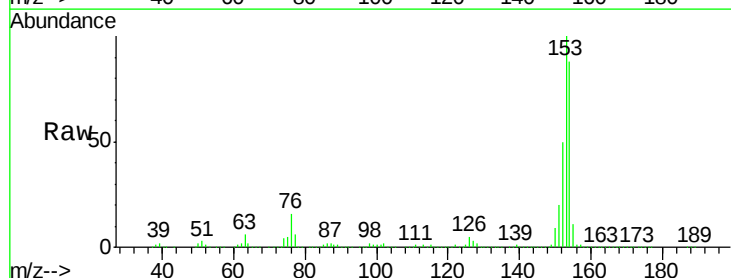
Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0

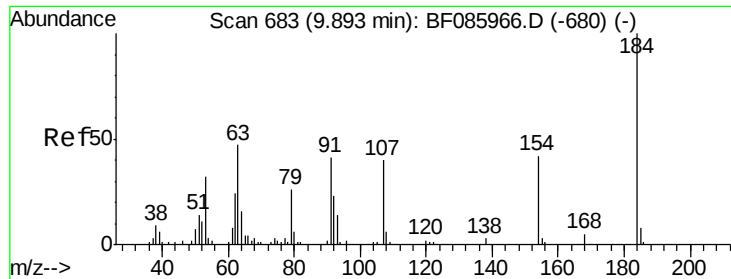
Tgt Ion:165 Resp: 11464
Ion Ratio Lower Upper
165 100
63 530.4 51.8 77.8#
89 258.5 53.7 80.5#



#51
Acenaphthene
Concen: 271.13 ng
RT: 9.84 min Scan# 678
Delta R.T. -0.01 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Tgt Ion:154 Resp: 2722447
Ion Ratio Lower Upper
154 100
153 113.5 90.1 135.1
152 56.6 44.2 66.2

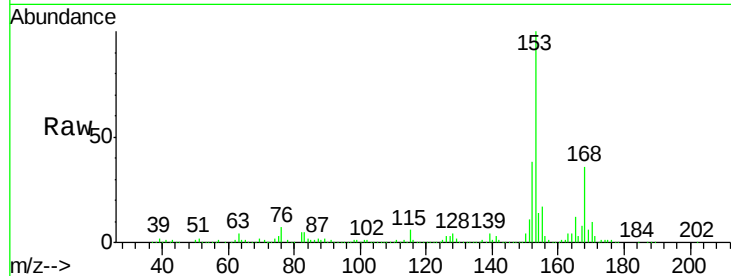




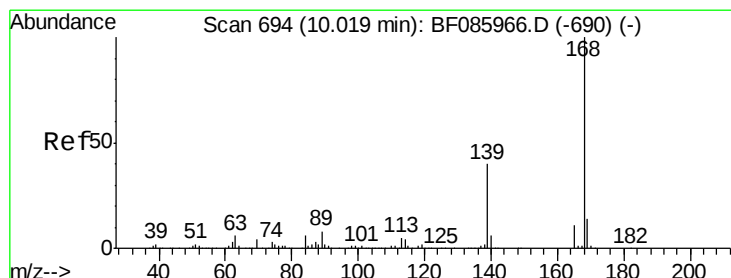
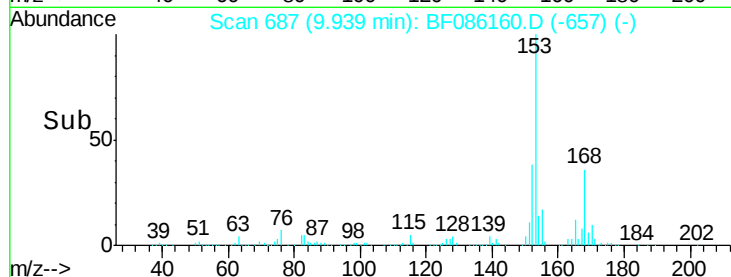
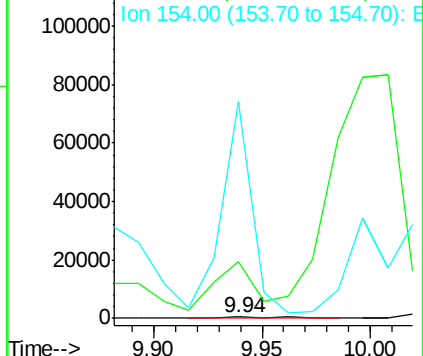
#53
 2,4-Dinitrophenol
 Concen: 2.53 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.05 min
 Lab File: BF086160.D
 Acq: 8 Apr 2016 5:35

Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0

Tgt Ion:184 Resp: 560
 Ion Ratio Lower Upper
 184 100
 63 4385.7 69.5 104.3#
 154 16569.6 58.3 87.5#

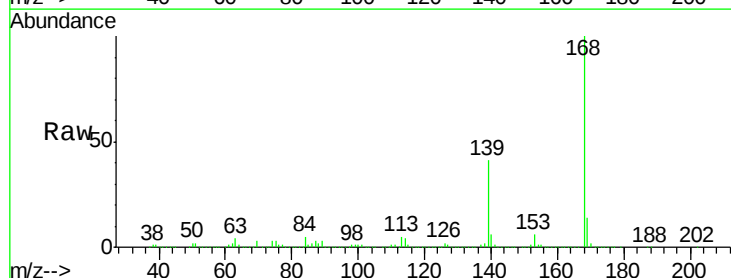


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

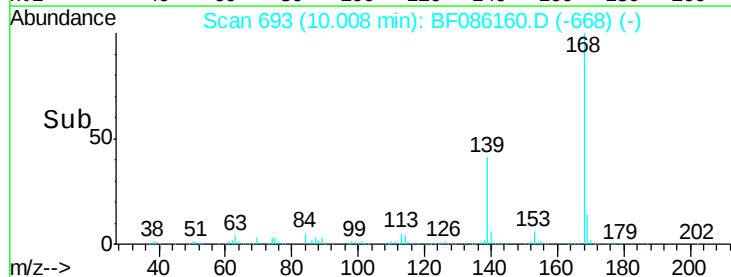
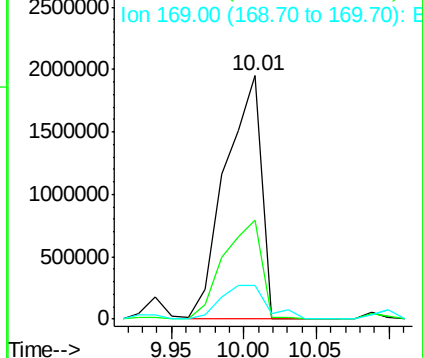


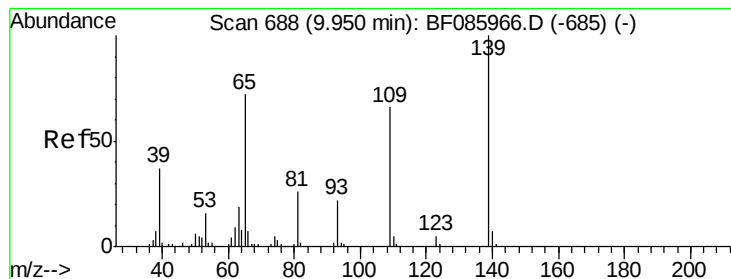
#54
 Dibenzofuran
 Concen: 252.06 ng
 RT: 10.01 min Scan# 693
 Delta R.T. -0.01 min
 Lab File: BF086160.D
 Acq: 8 Apr 2016 5:35

Tgt Ion:168 Resp: 3342468
 Ion Ratio Lower Upper
 168 100
 139 40.9 31.9 47.9
 169 14.0 11.0 16.6



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: 780.36 ng

RT: 10.01 min Scan# 693

Delta R.T. 0.06 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

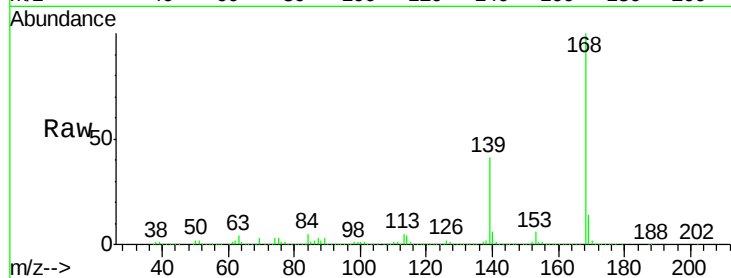
Tgt Ion:139 Resp: 1466122

Ion Ratio Lower Upper

139 100

109 0.8 49.2 89.2#

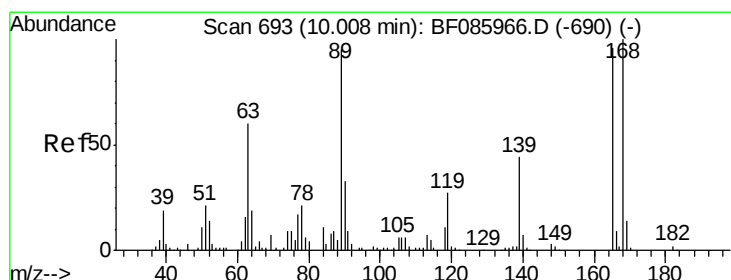
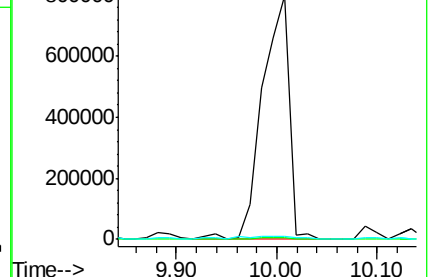
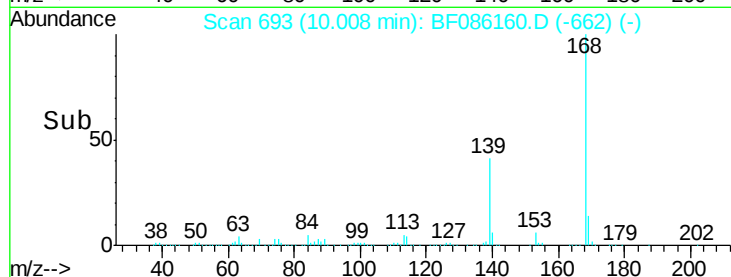
65 1.0 66.9 106.9#



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: 3.12 ng

RT: 10.00 min Scan# 692

Delta R.T. -0.01 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Tgt Ion:165 Resp: 10422

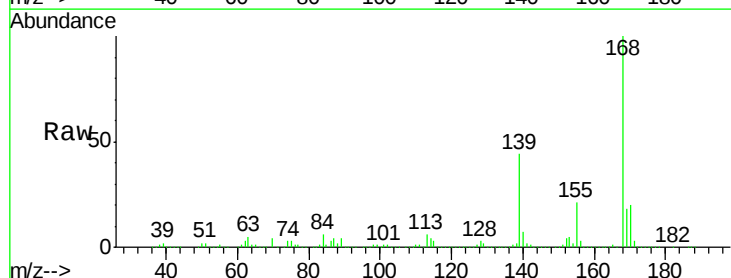
Ion Ratio Lower Upper

165 100

63 501.2 24.9 37.3#

89 324.7 41.0 61.6#

182 6.3 2.1 3.1#

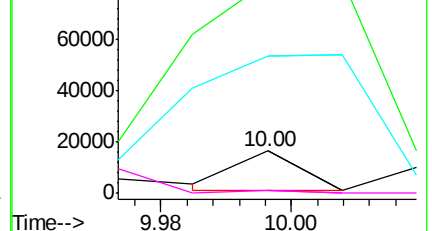
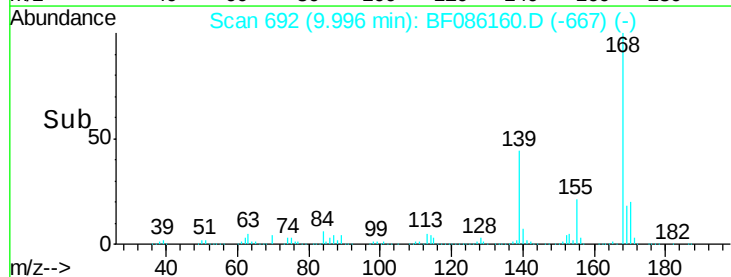


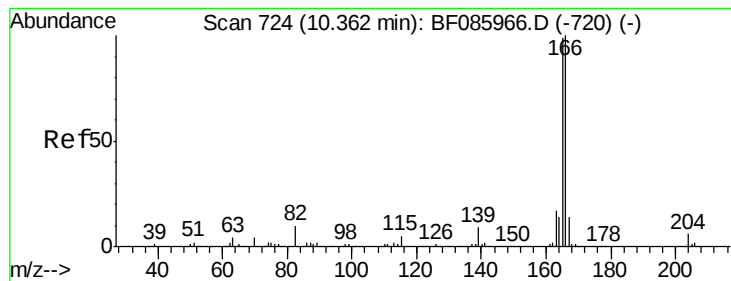
Abundance Ion 165.00 (164.70 to 165.70): E

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: 237.50 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.01 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

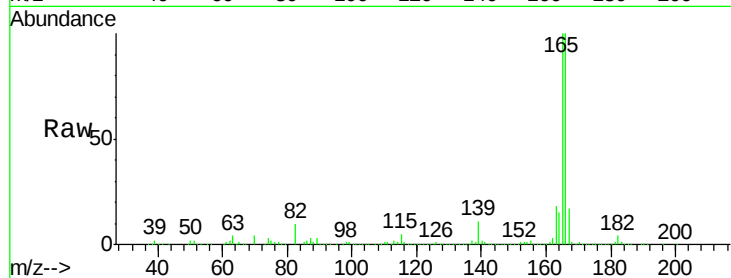
Tgt Ion:166 Resp: 2690358

Ion Ratio Lower Upper

166 100

165 100.4 79.4 119.0

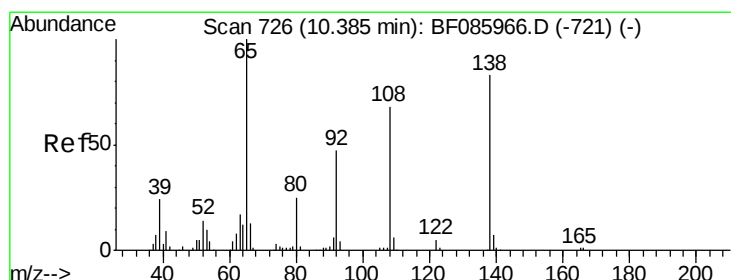
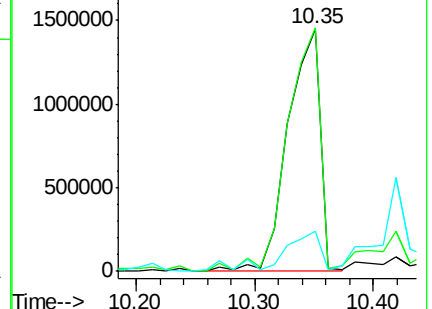
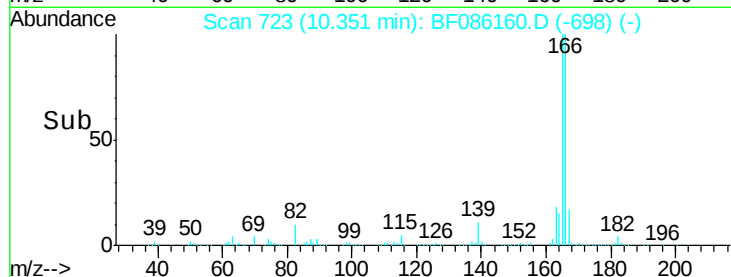
167 16.7 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#61

4-Nitroaniline

Concen: 11.70 ng

RT: 10.35 min Scan# 723

Delta R.T. -0.03 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

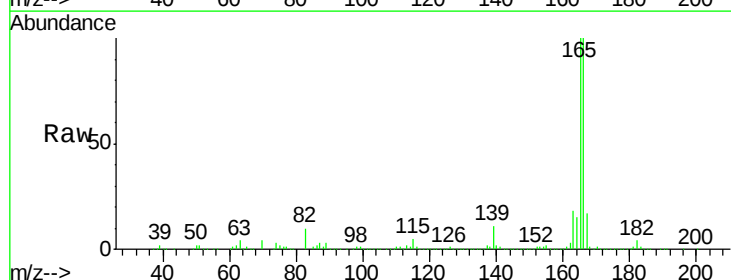
Tgt Ion:138 Resp: 36721

Ion Ratio Lower Upper

138 100

92 3.1 26.4 66.4#

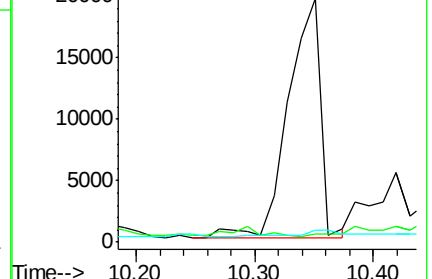
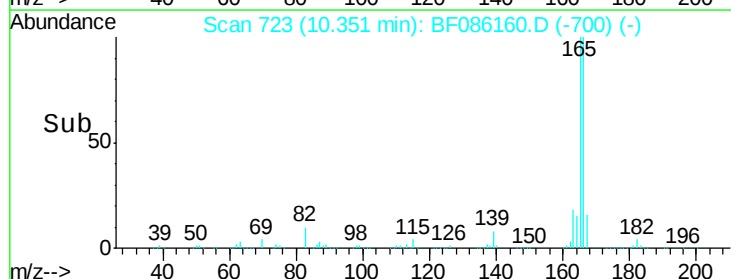
108 5.0 49.0 89.0#

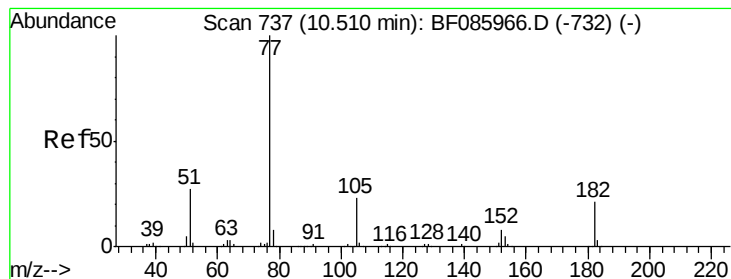


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 4.02 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.02 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

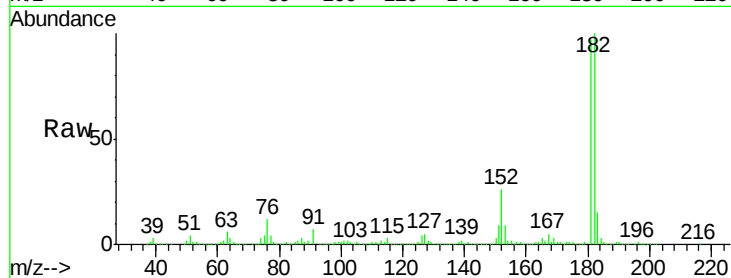
ClientSampleId :

PEDBR-SB4-0-6.0

Tgt Ion: 77 Resp: 48517

Ion Ratio Lower Upper

77	100		
182	2510.6	1.9	41.9#
105	14.4	3.5	43.5
51	93.8	6.3	46.3#

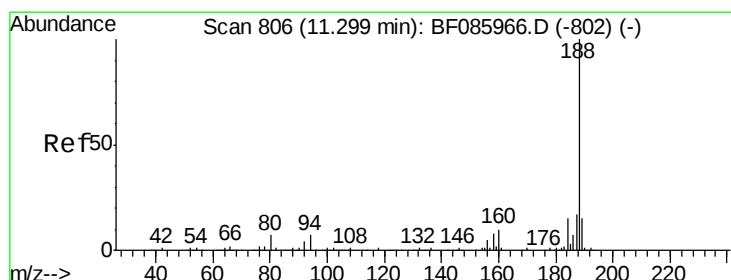
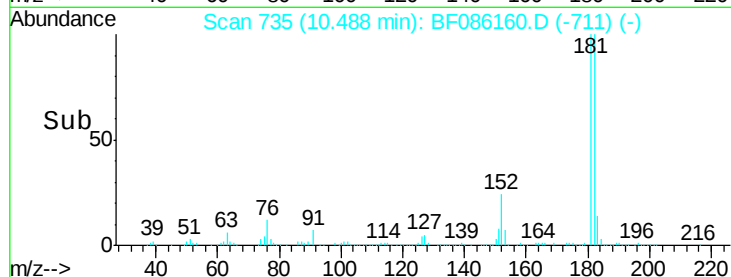
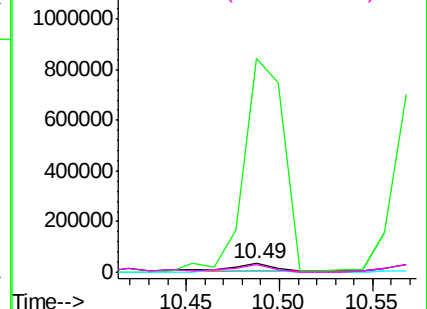


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 804

Delta R.T. -0.02 min

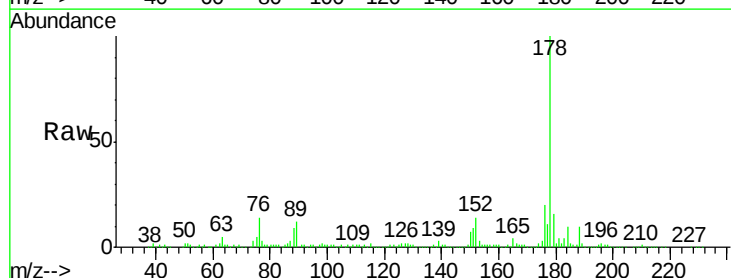
Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Tgt Ion: 188 Resp: 133746

Ion Ratio Lower Upper

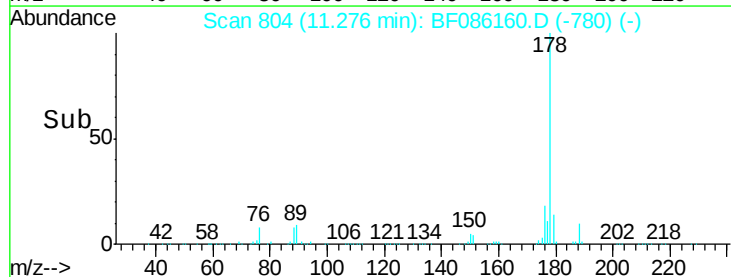
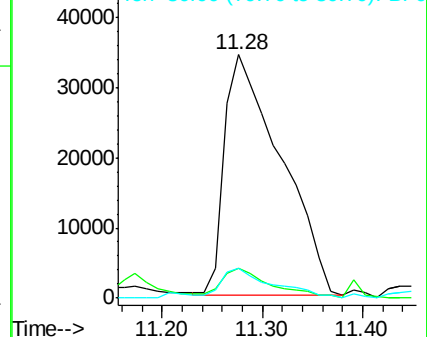
188	100		
94	12.0	5.4	8.0#
80	12.4	5.5	8.3#

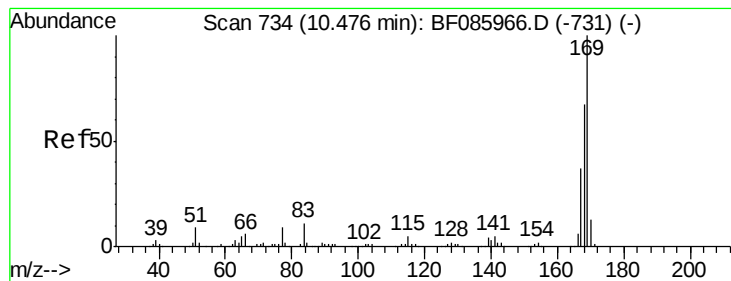


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

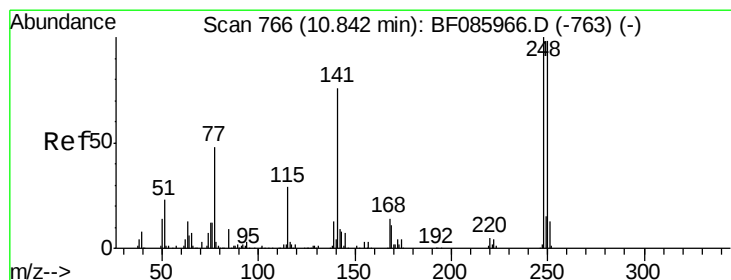
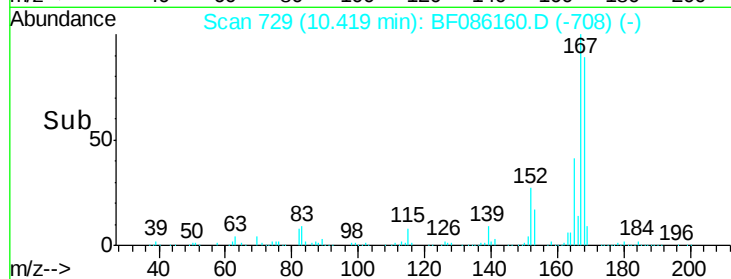
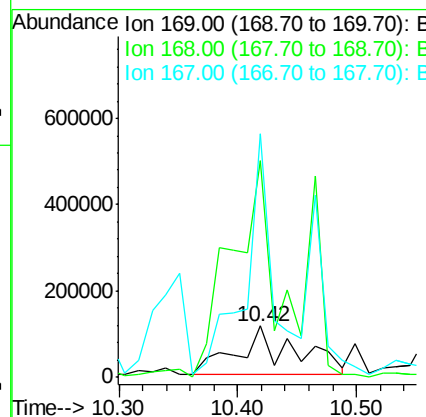
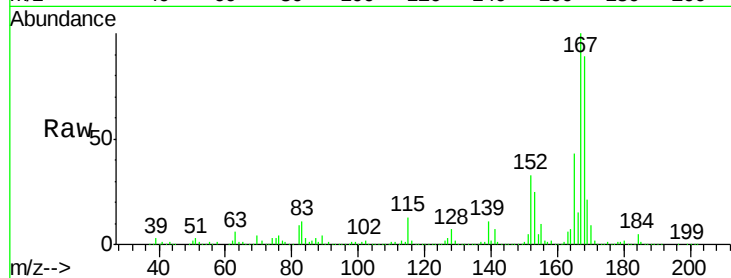




#65
 n-Nitrosodiphenylamine
 Concen: 91.09 ng
 RT: 10.42 min Scan# 729
 Delta R.T. -0.06 min
 Lab File: BF086160.D
 Acq: 8 Apr 2016 5:35

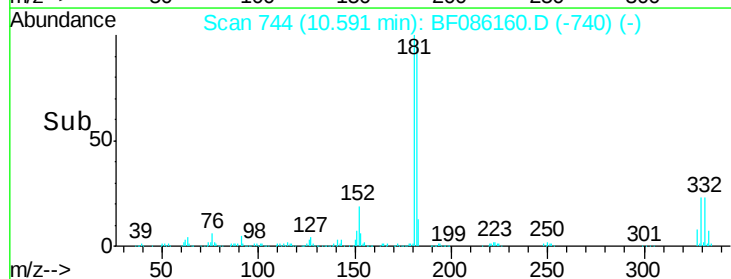
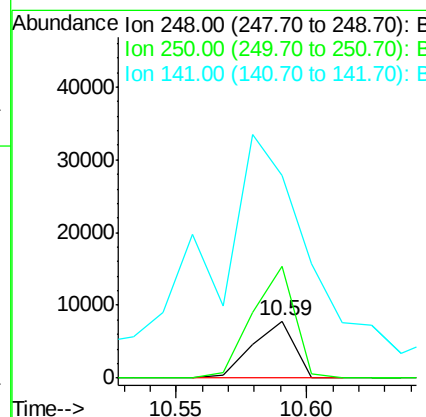
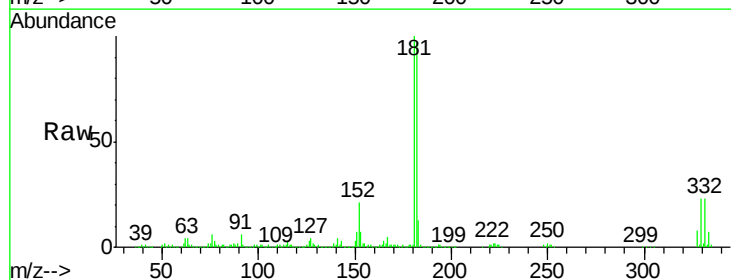
Instrument :
 BNA_F
 ClientSampleId :
 PEDBR-SB4-0-6.0

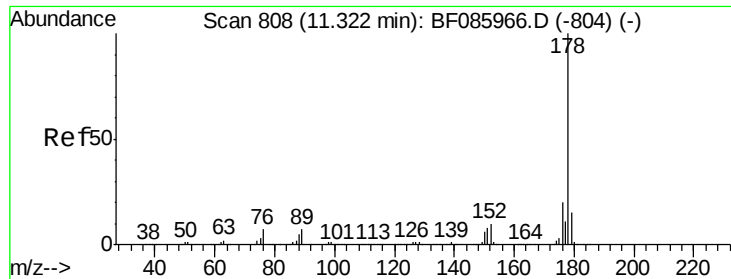
Tgt Ion:169 Resp: 381013
 Ion Ratio Lower Upper
 169 100
 168 422.6 54.4 81.6#
 167 473.5 29.4 44.0#



#66
 4-Bromophenyl-phenylether
 Concen: 6.46 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.25 min
 Lab File: BF086160.D
 Acq: 8 Apr 2016 5:35

Tgt Ion:248 Resp: 8819
 Ion Ratio Lower Upper
 248 100
 250 196.9 77.4 116.0#
 141 357.6 63.6 95.4#





#70

Phenanthrene

Concen: 2709.51 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.06 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

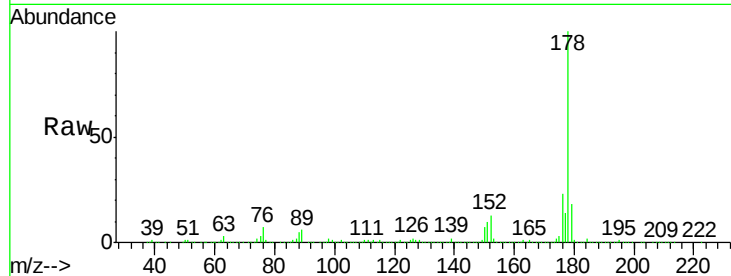
Tgt Ion:178 Resp:19769708

Ion Ratio Lower Upper

178 100

176 22.9 16.3 24.5

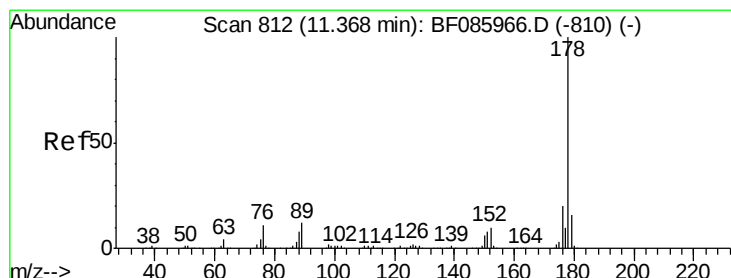
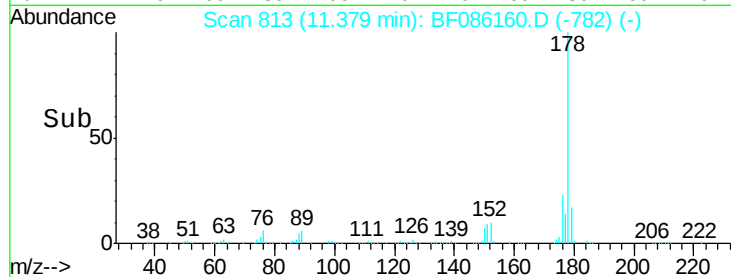
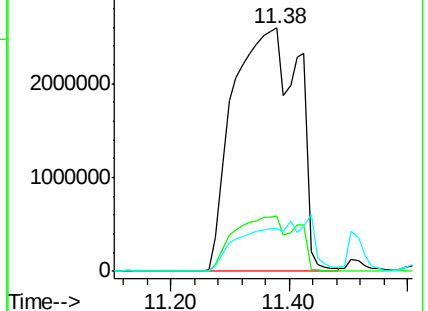
179 17.8 12.6 18.8



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: 2586.53 ng

RT: 11.38 min Scan# 813

Delta R.T. 0.01 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

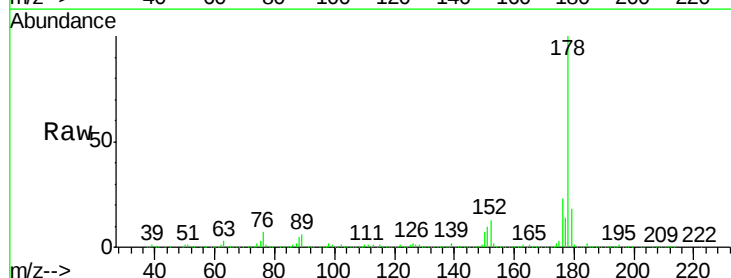
Tgt Ion:178 Resp:19769708

Ion Ratio Lower Upper

178 100

176 22.9 15.9 23.9

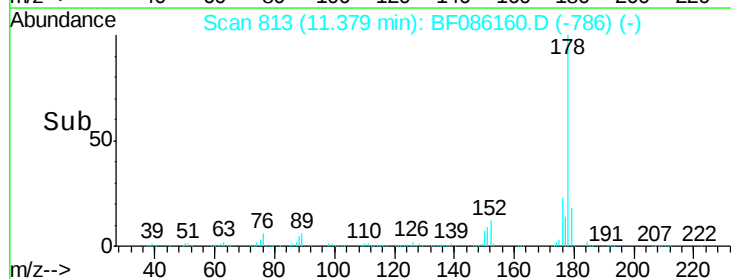
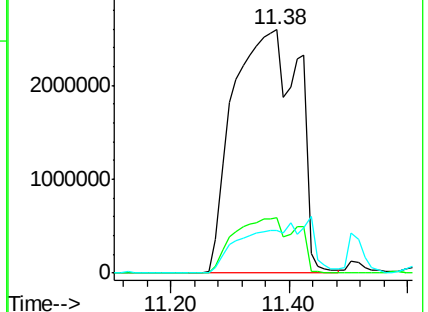
179 17.8 13.0 19.4

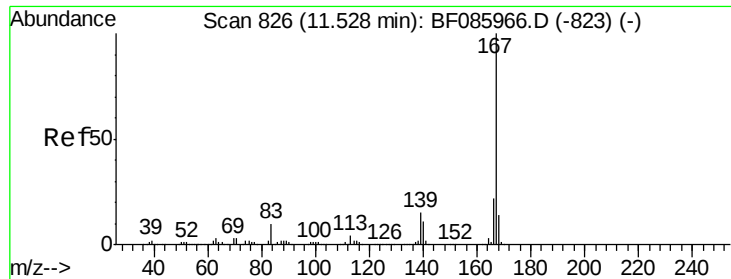


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 398.74 ng

RT: 11.54 min Scan# 827

Delta R.T. 0.01 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

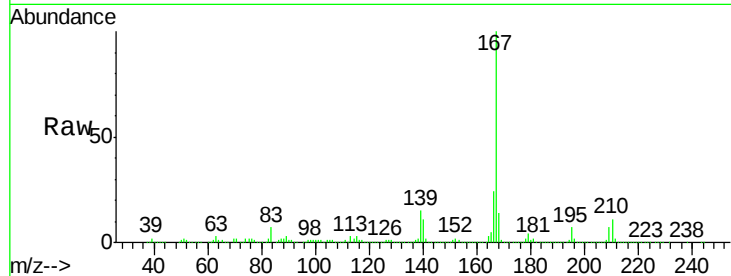
Tgt Ion:167 Resp: 2619783

Ion Ratio Lower Upper

167 100

166 24.0 17.8 26.8

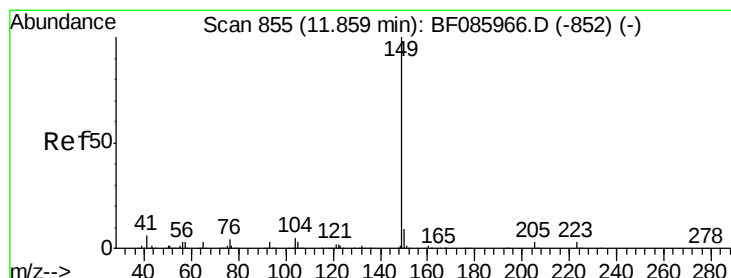
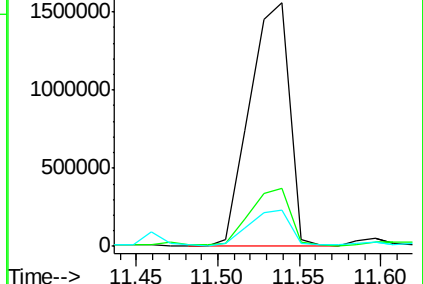
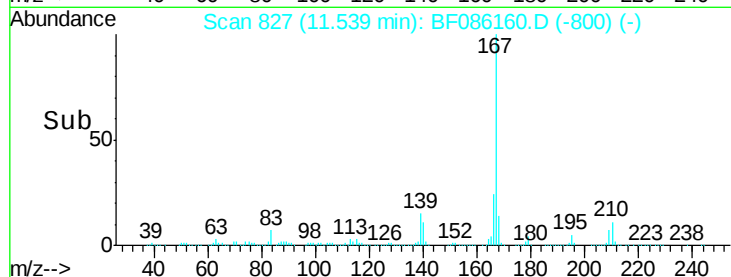
139 15.0 11.6 17.4



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#73

Di-n-butylphthalate

Concen: 9.01 ng

RT: 11.85 min Scan# 854

Delta R.T. -0.01 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

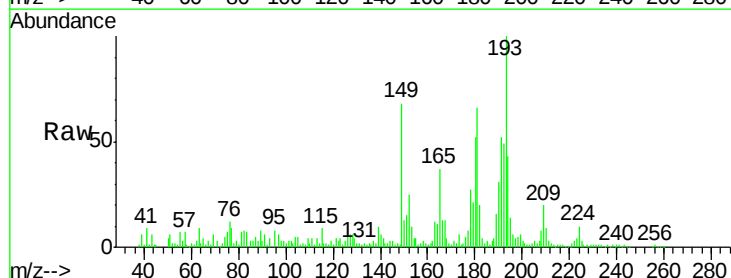
Tgt Ion:149 Resp: 73320

Ion Ratio Lower Upper

149 100

150 18.8 7.6 11.4#

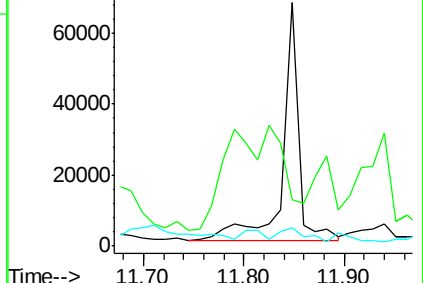
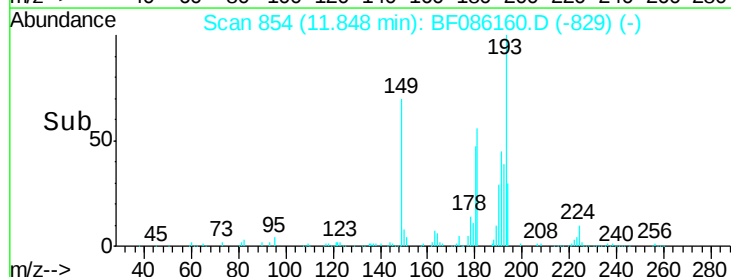
104 7.3 3.8 5.8#

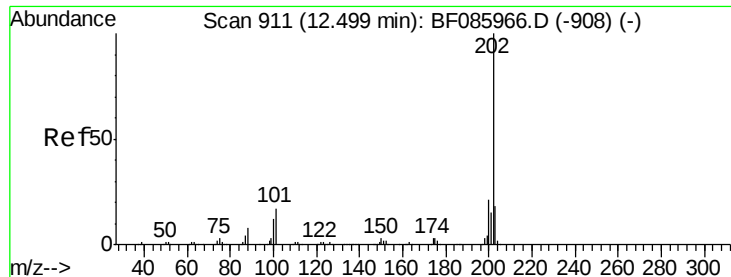


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 1989.41 ng

RT: 12.58 min Scan# 918

Delta R.T. 0.08 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

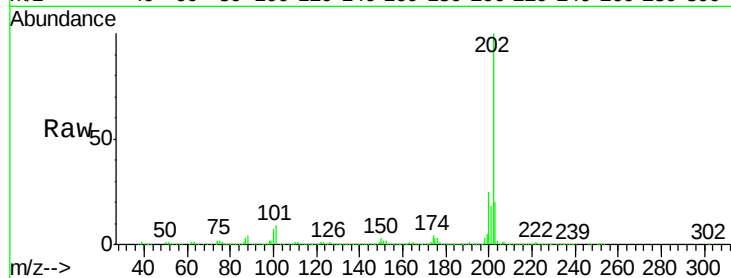
Tgt Ion:202 Resp:15097788

Ion Ratio Lower Upper

202 100

101 8.9 0.0 36.6

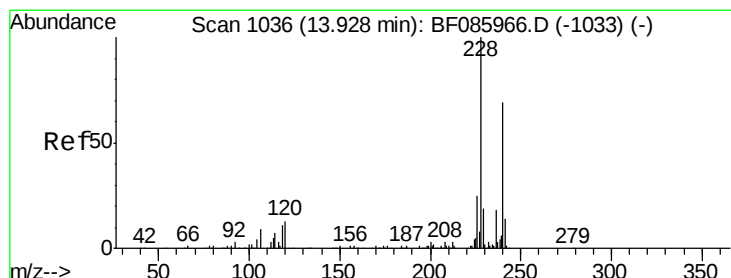
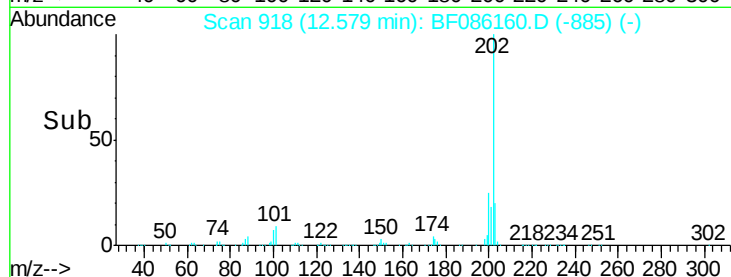
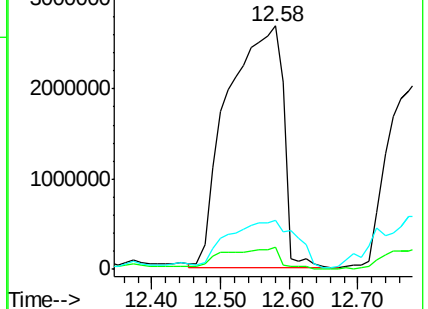
203 19.9 0.0 38.1



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: 13.84 min Scan# 1028

Delta R.T. -0.09 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

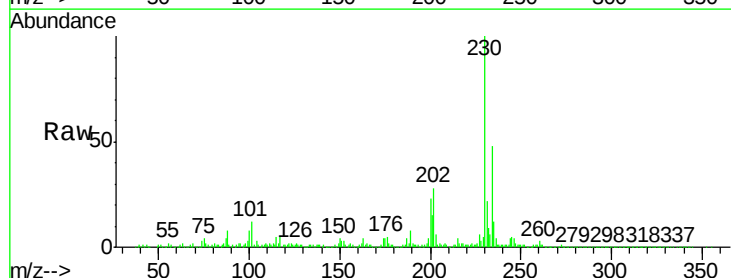
Tgt Ion:240 Resp: 3848

Ion Ratio Lower Upper

240 100

120 46.7 13.8 20.8#

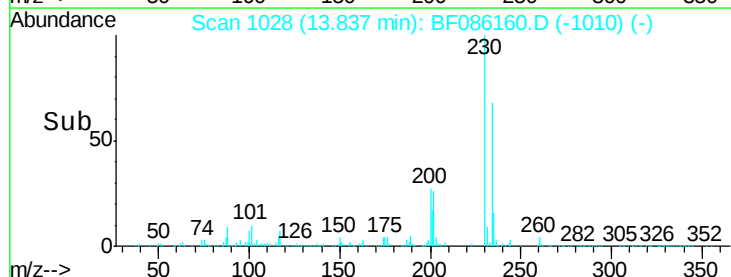
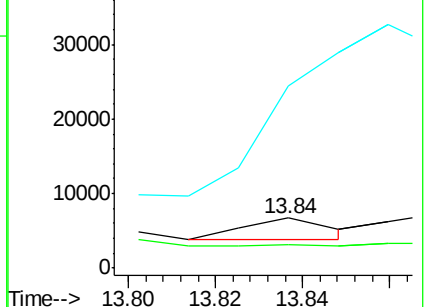
236 365.2 20.6 30.8#

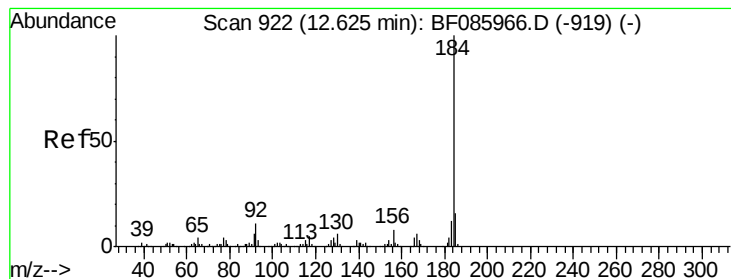


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#76

Benzidine

Concen: 63.65 ng

RT: 12.60 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

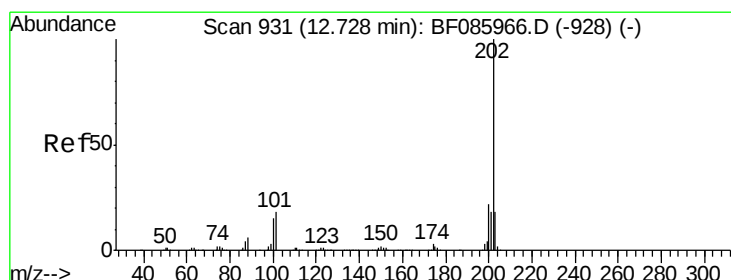
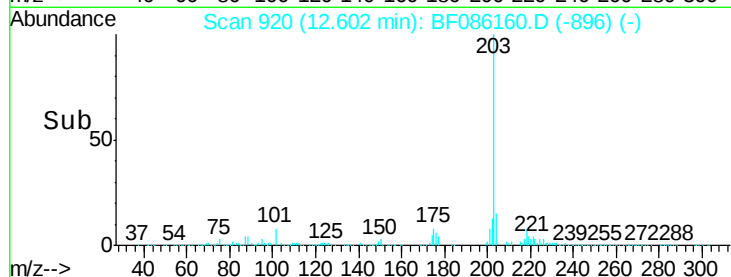
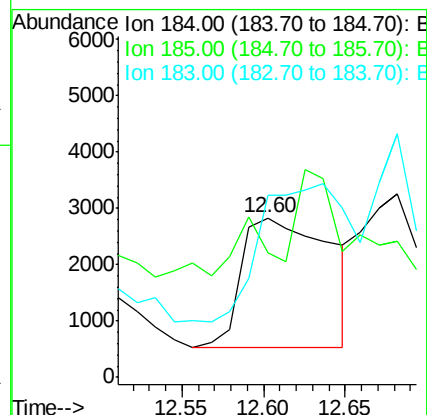
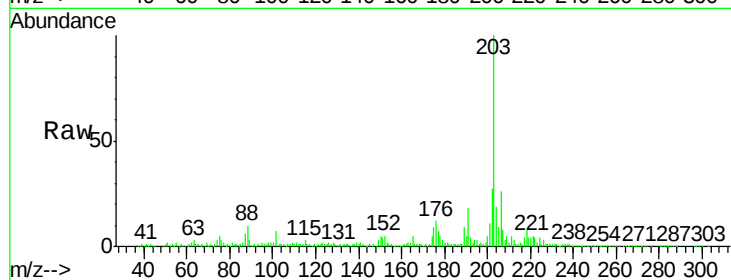
Tgt Ion:184 Resp: 8641

Ion Ratio Lower Upper

184 100

185 77.8 12.4 18.6#

183 114.5 9.4 14.2#



#77

Pyrene

Concen: 55632.94 ng

RT: 12.58 min Scan# 918

Delta R.T. -0.15 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

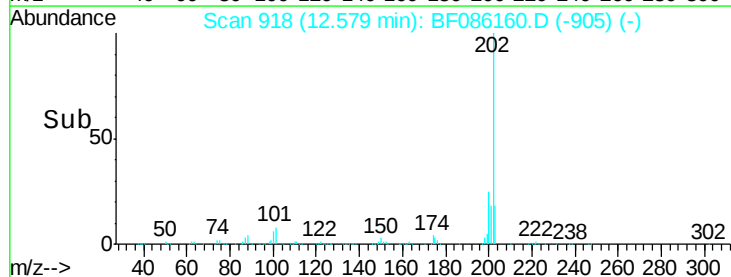
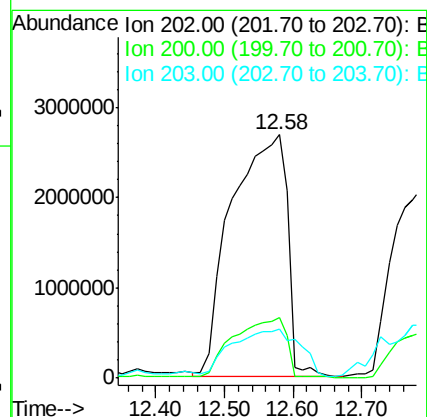
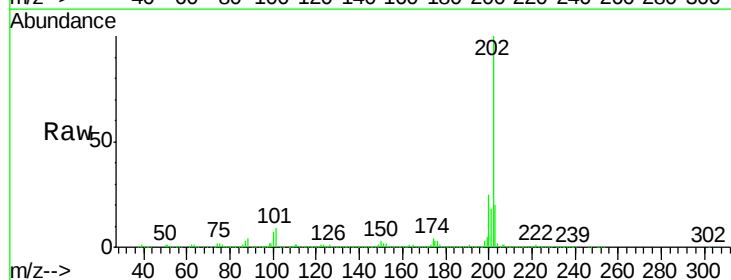
Tgt Ion:202 Resp:15085624

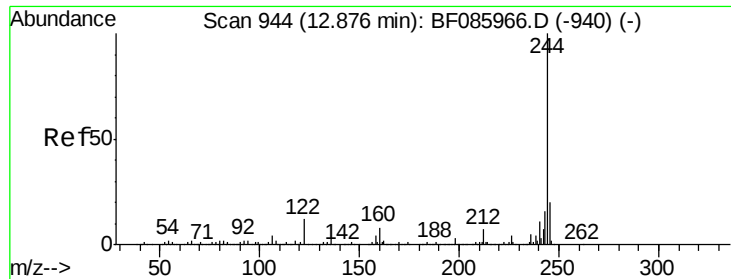
Ion Ratio Lower Upper

202 100

200 24.8 17.6 26.4

203 19.9 14.0 21.0





#78

Terphenyl-d14

Concen: 2220.31 ng

RT: 12.89 min Scan# 945

Delta R.T. 0.01 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

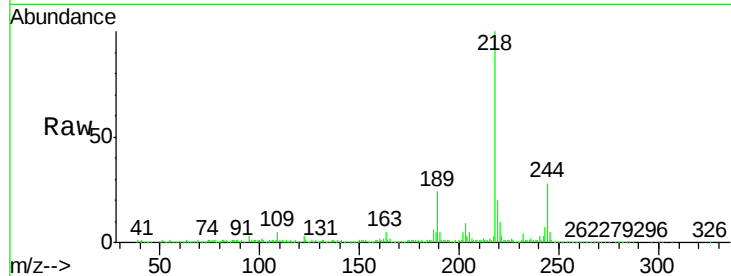
Tgt Ion:244 Resp: 363461

Ion Ratio Lower Upper

244 100

212 8.2 6.1 9.1

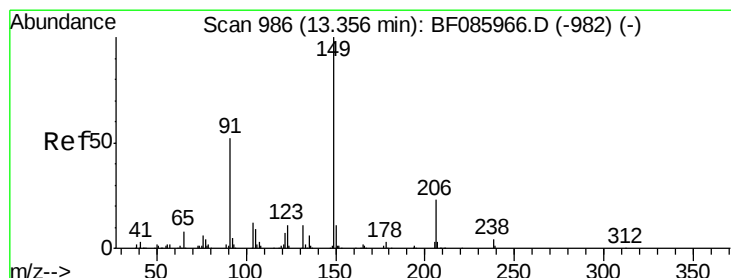
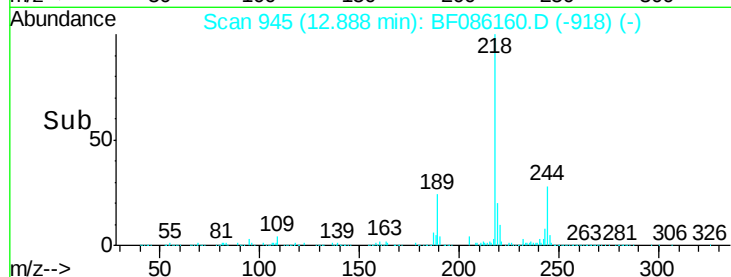
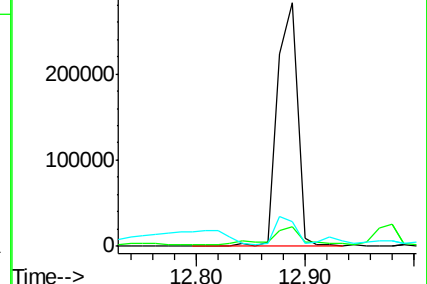
122 10.1 10.2 15.4#



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: 14.68 ng

RT: 13.28 min Scan# 979

Delta R.T. -0.08 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

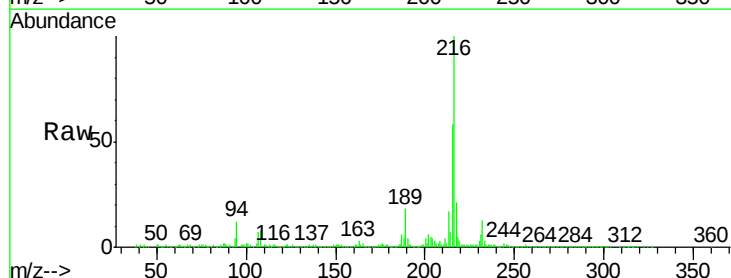
Tgt Ion:149 Resp: 1792

Ion Ratio Lower Upper

149 100

91 93.1 45.8 68.8#

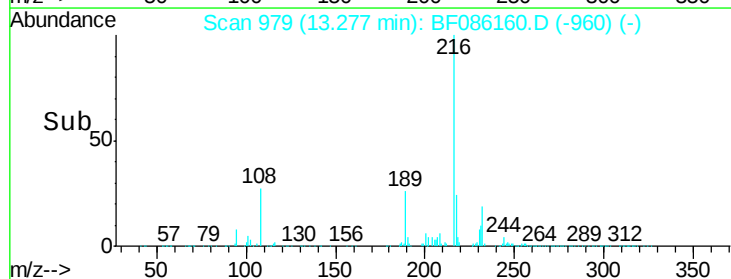
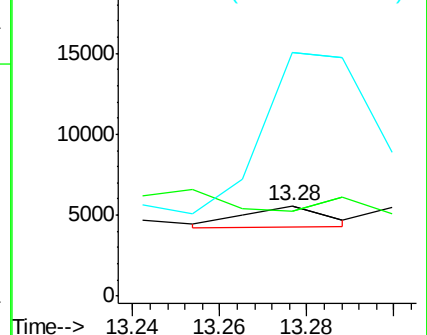
206 268.7 17.8 26.8#

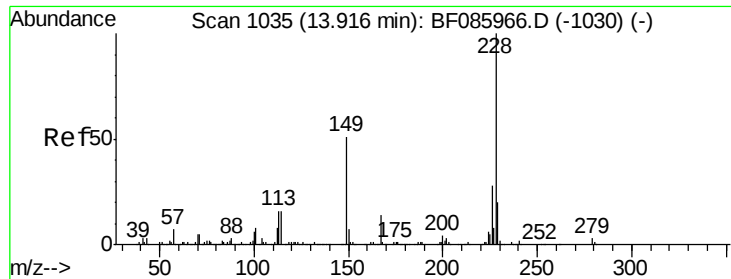


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E

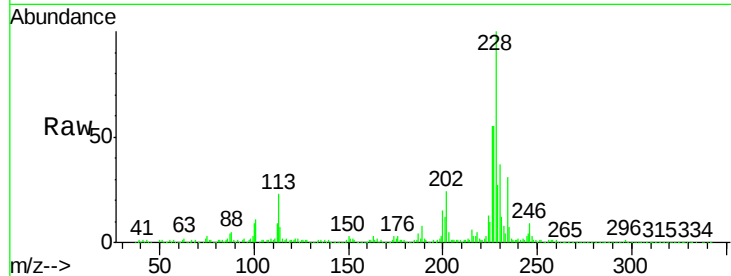




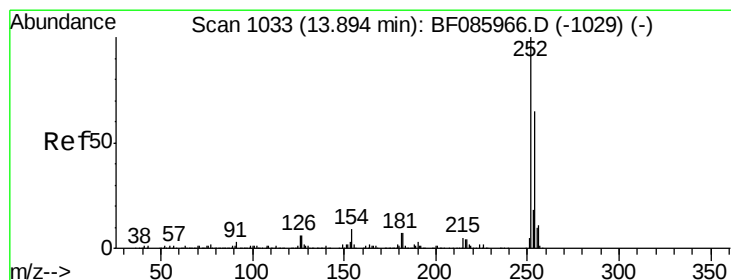
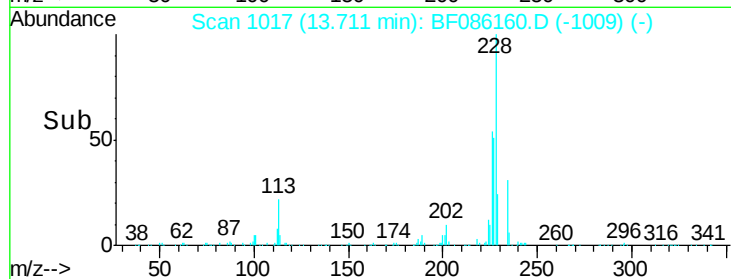
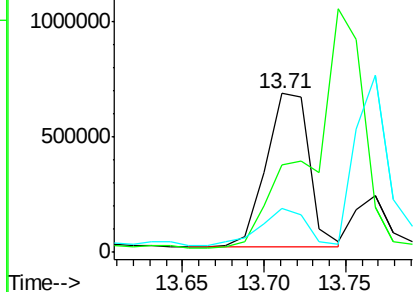
#80
Benzo(a)anthracene
Concen: 5458.46 ng
RT: 13.71 min Scan# 1017
Delta R.T. -0.21 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0

Tgt Ion:228 Resp: 1238113
Ion Ratio Lower Upper
228 100
226 54.9 22.1 33.1#
229 27.3 16.2 24.4#

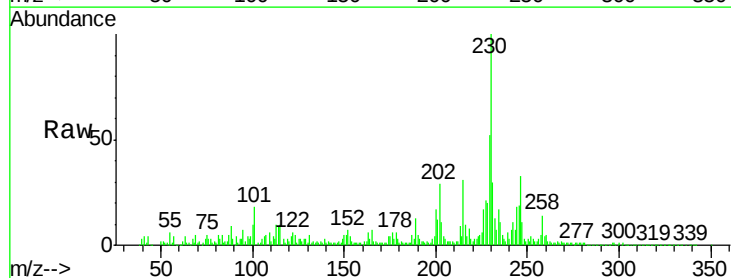


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

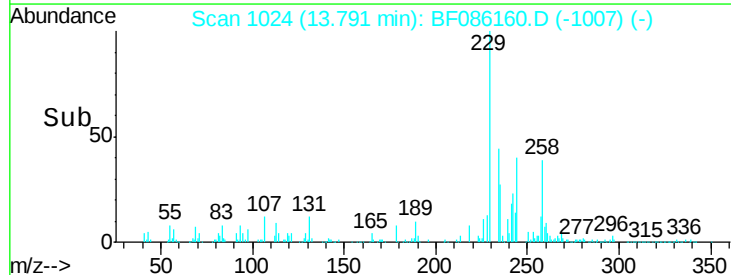
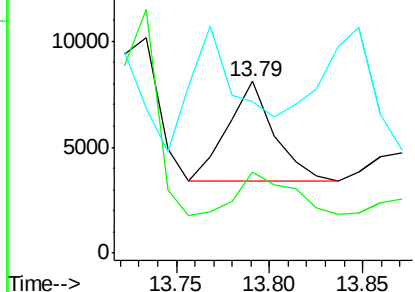


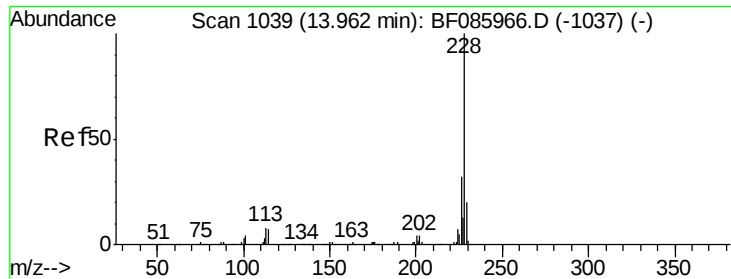
#81
3,3'-Dichlorobenzidine
Concen: 49.63 ng
RT: 13.79 min Scan# 1024
Delta R.T. -0.10 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Tgt Ion:252 Resp: 8222
Ion Ratio Lower Upper
252 100
254 47.4 50.7 76.1#
126 88.0 11.8 17.6#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E

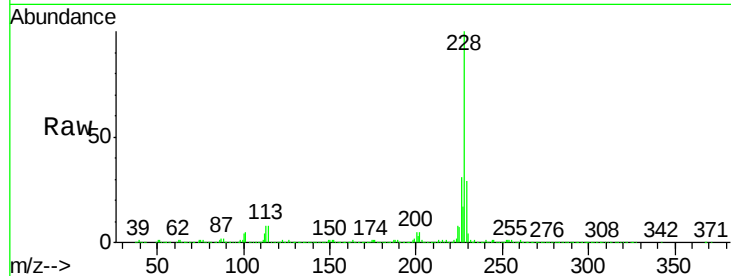




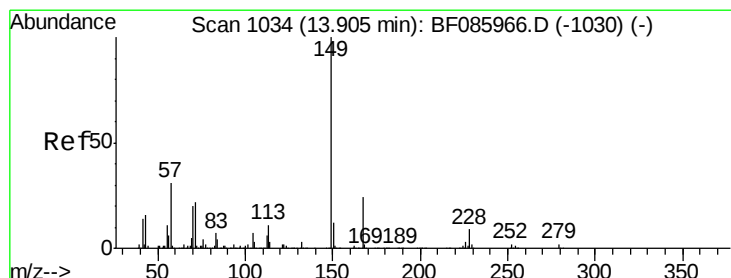
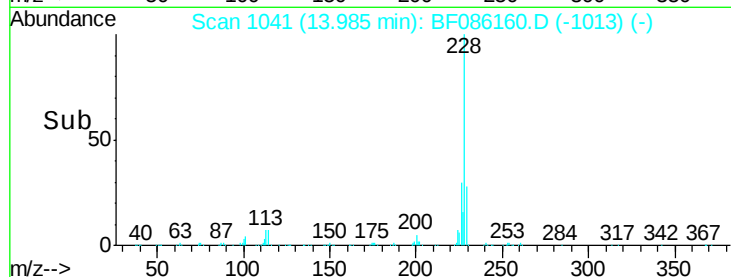
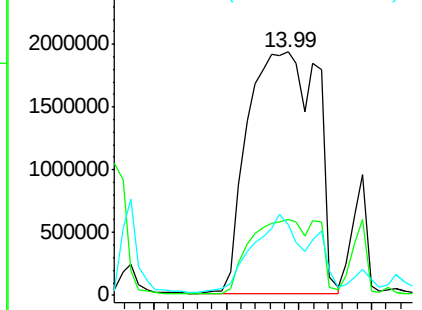
#82
Chrysene
Concen: 58907.87 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.02 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0

Tgt Ion:228 Resp:12870836
Ion Ratio Lower Upper
228 100
226 31.1 25.0 37.6
229 29.3 15.7 23.5#

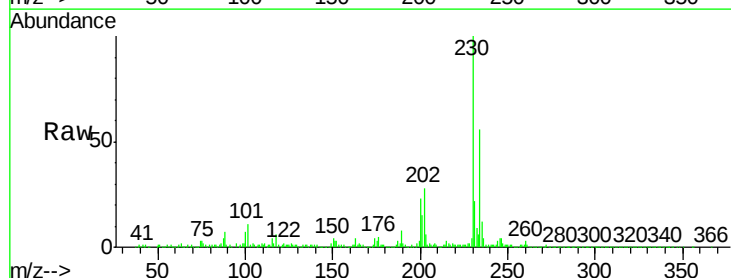


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

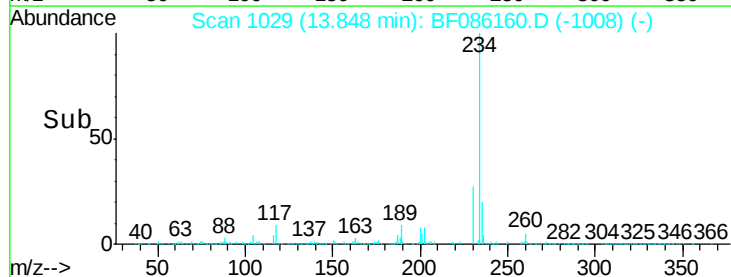
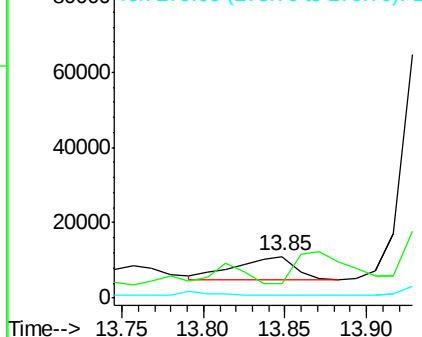


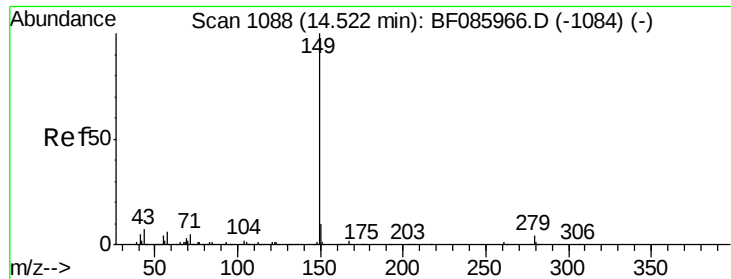
#83
Bis(2-ethylhexyl)phthalate
Concen: 96.48 ng
RT: 13.85 min Scan# 1029
Delta R.T. -0.06 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Tgt Ion:149 Resp: 15635
Ion Ratio Lower Upper
149 100
167 36.0 19.4 29.2#
279 8.0 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

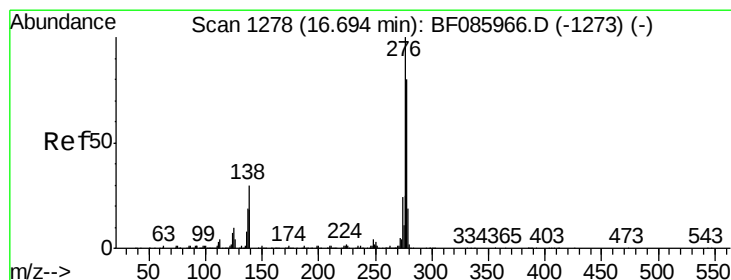
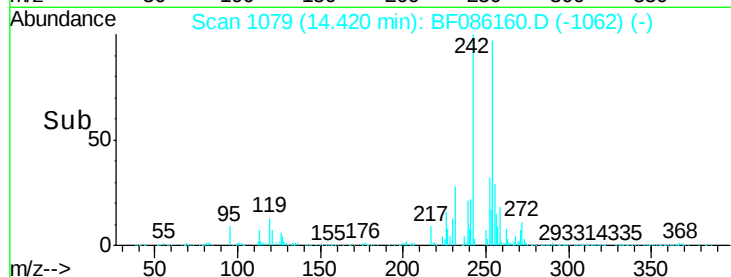
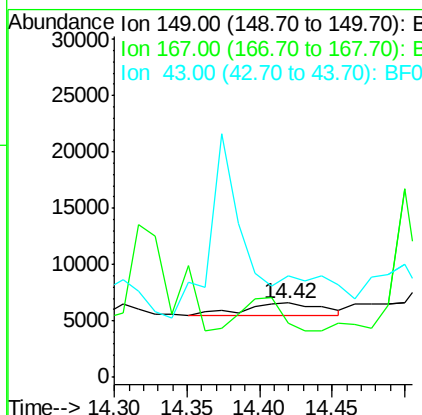
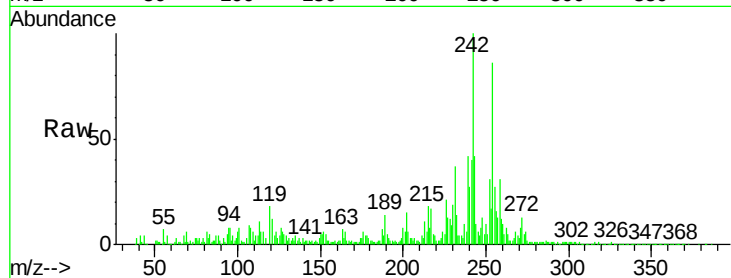




#84
Di-n-octyl phthalate
Concen: 14.77 ng
RT: 14.42 min Scan# 1079
Delta R.T. -0.10 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

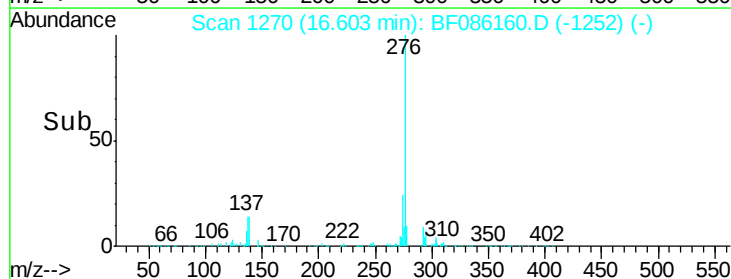
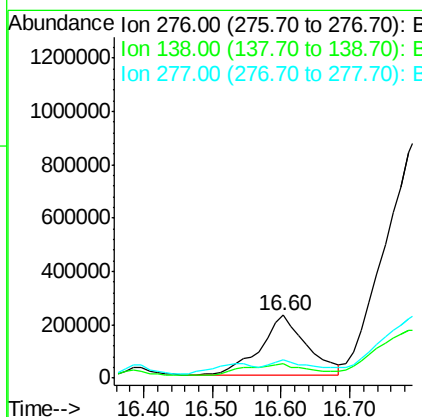
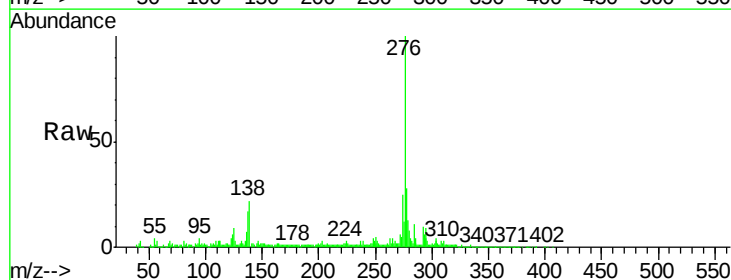
Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0

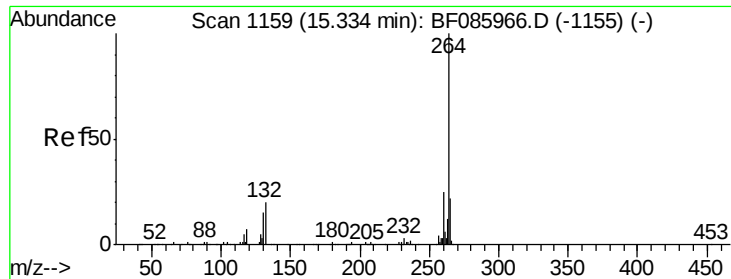
Tgt Ion:149 Resp: 3822
Ion Ratio Lower Upper
149 100
167 148.1 1.2 1.8#
43 0.0 7.1 10.7#



#85
Indeno(1,2,3-cd)pyrene
Concen: 5925.63 ng
RT: 16.60 min Scan# 1270
Delta R.T. -0.09 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Tgt Ion:276 Resp: 1050446
Ion Ratio Lower Upper
276 100
138 28.0 24.2 36.4
277 6.6 20.0 30.0#

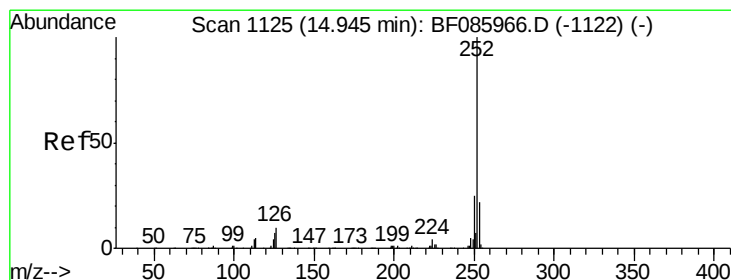
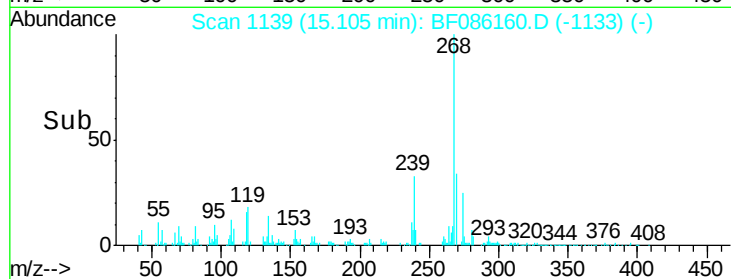
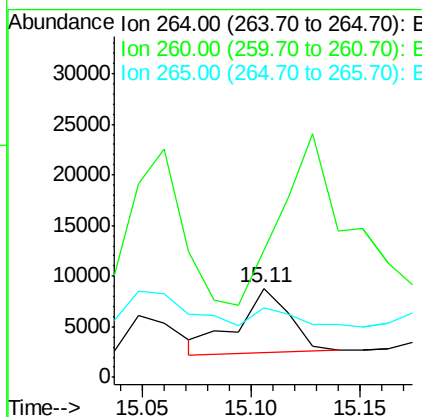
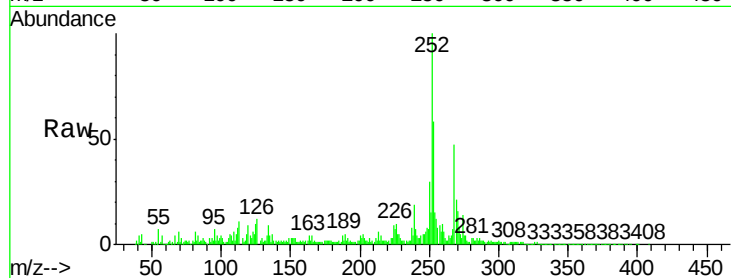




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.11 min Scan# 1139
Delta R.T. -0.23 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

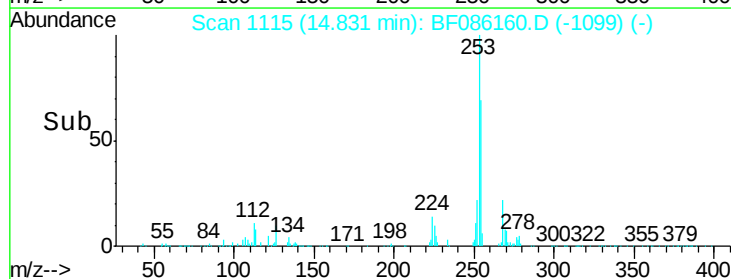
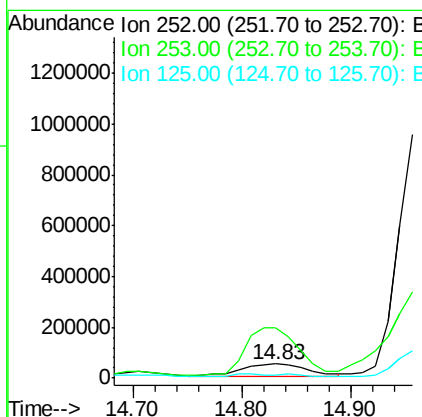
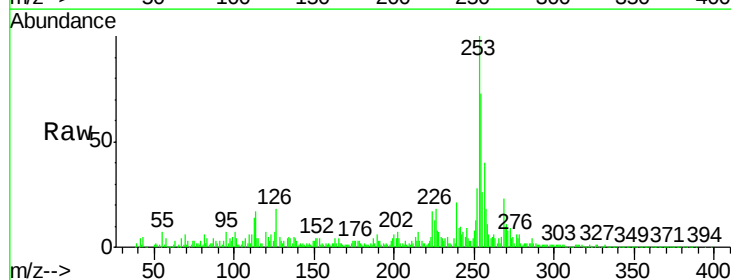
Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0

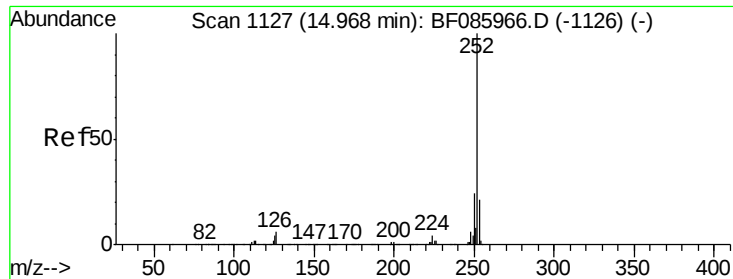
Tgt Ion: 264 Resp: 10583
Ion Ratio Lower Upper
264 100
260 143.1 19.4 29.2#
265 77.5 17.2 25.8#



#87
Benzo(b)fluoranthene
Concen: 287.91 ng
RT: 14.83 min Scan# 1115
Delta R.T. -0.11 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Tgt Ion: 252 Resp: 191669
Ion Ratio Lower Upper
252 100
253 353.4 17.6 26.4#
125 23.7 10.3 15.5#

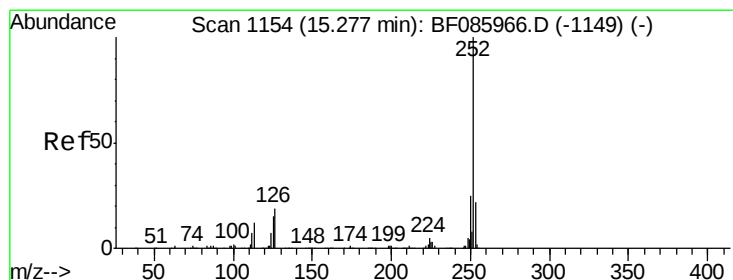
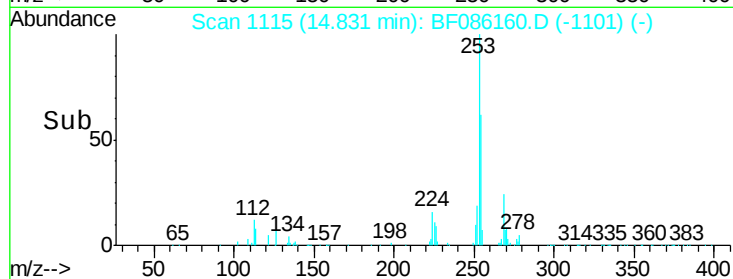
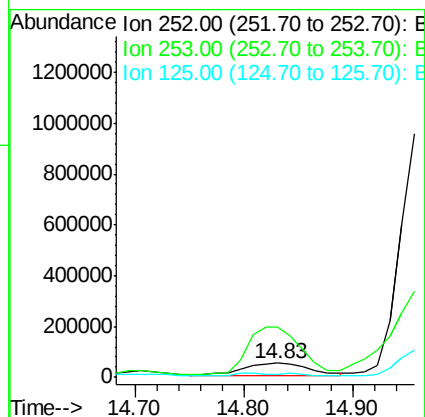
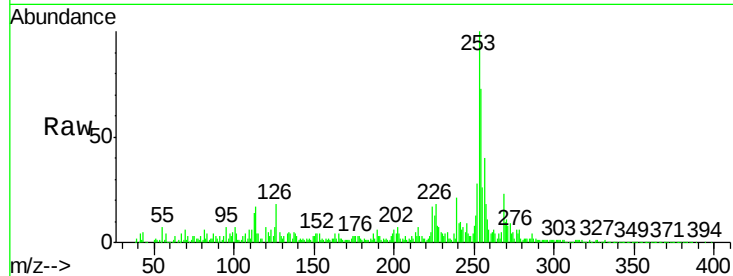




#88
Benzo(k)fluoranthene
Concen: 325.12 ng
RT: 14.83 min Scan# 1115
Delta R.T. -0.14 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

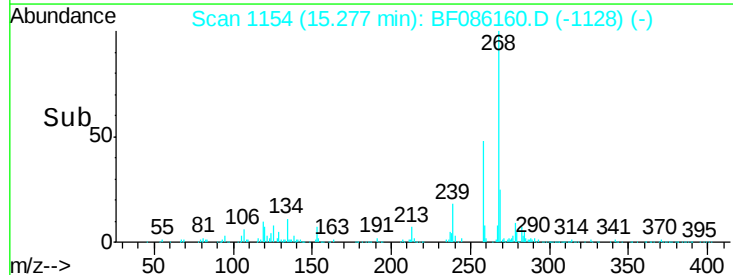
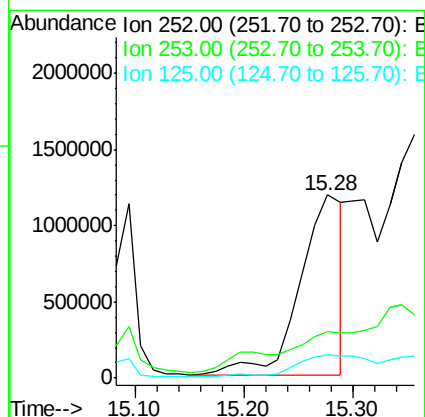
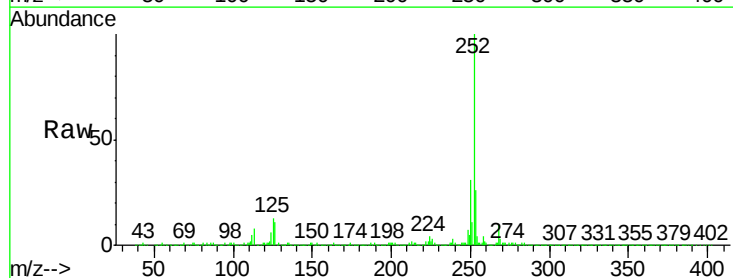
Instrument :
BNA_F
ClientSampleId :
PEDBR-SB4-0-6.0

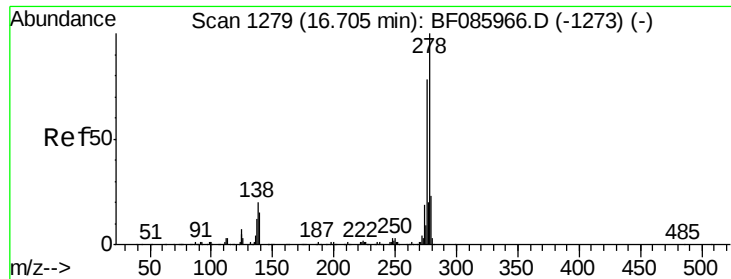
Tgt Ion:252 Resp: 191669
Ion Ratio Lower Upper
252 100
253 353.4 17.8 26.6#
125 23.7 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 5499.83 ng
RT: 15.28 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF086160.D
Acq: 8 Apr 2016 5:35

Tgt Ion:252 Resp: 3244112
Ion Ratio Lower Upper
252 100
253 25.7 17.4 26.0
125 12.7 10.3 15.5





#90

Dibenzo(a,h)anthracene

Concen: 345.79 ng

RT: 16.39 min Scan# 1251

Delta R.T. -0.32 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

Instrument :

BNA_F

ClientSampleId :

PEDBR-SB4-0-6.0

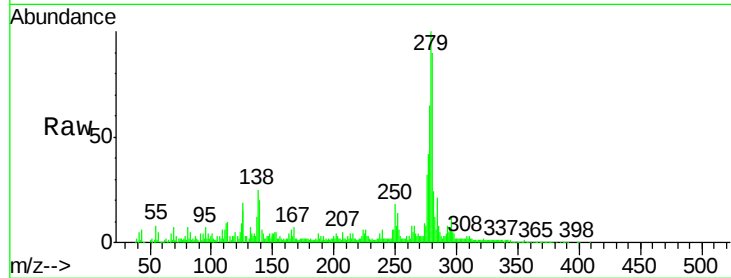
Tgt Ion:278 Resp: 164106

Ion Ratio Lower Upper

278 100

139 31.5 14.4 21.6#

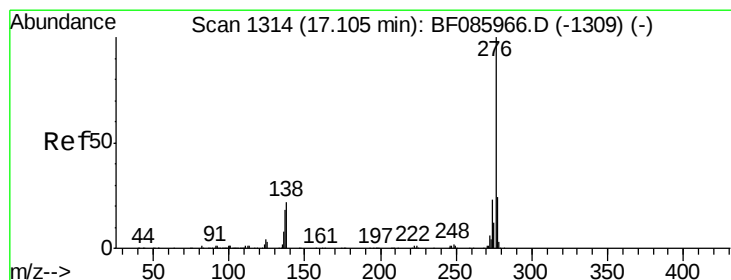
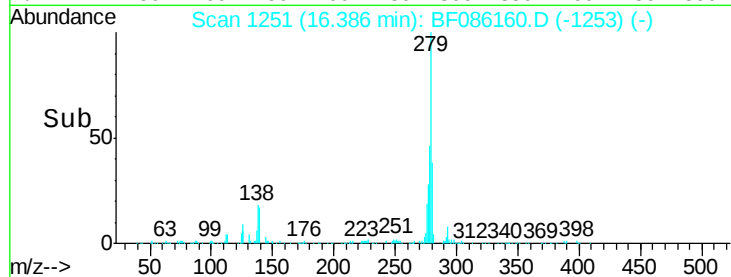
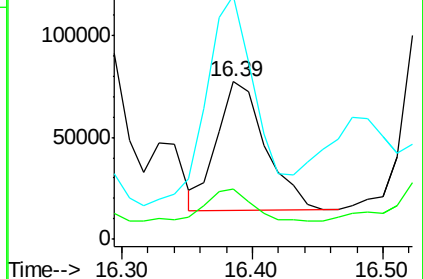
279 154.4 19.1 28.7#



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: 9929.53 ng

RT: 16.82 min Scan# 1289

Delta R.T. -0.29 min

Lab File: BF086160.D

Acq: 8 Apr 2016 5:35

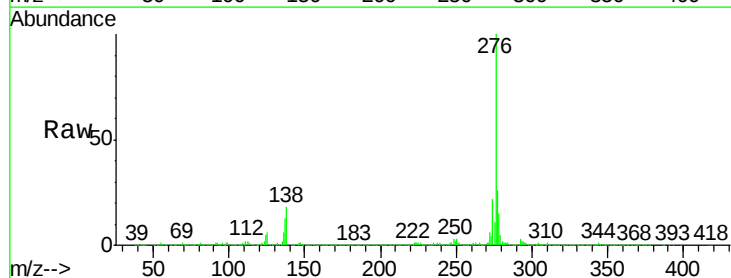
Tgt Ion:276 Resp: 4560390

Ion Ratio Lower Upper

276 100

277 25.7 18.8 28.2

138 17.9 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

