

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051016\
 Data File : BF086877.D
 Acq On : 11 May 2016 3:16
 Operator : UM/SJ
 Sample : H2762-02DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMPDL

Quant Time: May 11 05:38:31 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF050916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 09 16:04:56 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	176837	20.00	ng	-0.01
21) Naphthalene-d8	7.98	136	601537	20.00	ng	0.00
38) Acenaphthene-d10	9.72	164	277891	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	431048	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	345606	20.00	ng	-0.01
86) Perylene-d12	15.20	264	325563	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.28	112	149623	14.33	ng	-0.01
7) Phenol-d6	6.34	99	194892	13.97	ng	-0.02
23) Nitrobenzene-d5	7.25	82	123785	10.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.51	330	28215	9.59	ng	-0.01
44) 2-Fluorobiphenyl	9.05	172	208209	12.59	ng	-0.01
78) Terphenyl-d14	12.77	244	139776	8.58	ng	-0.02

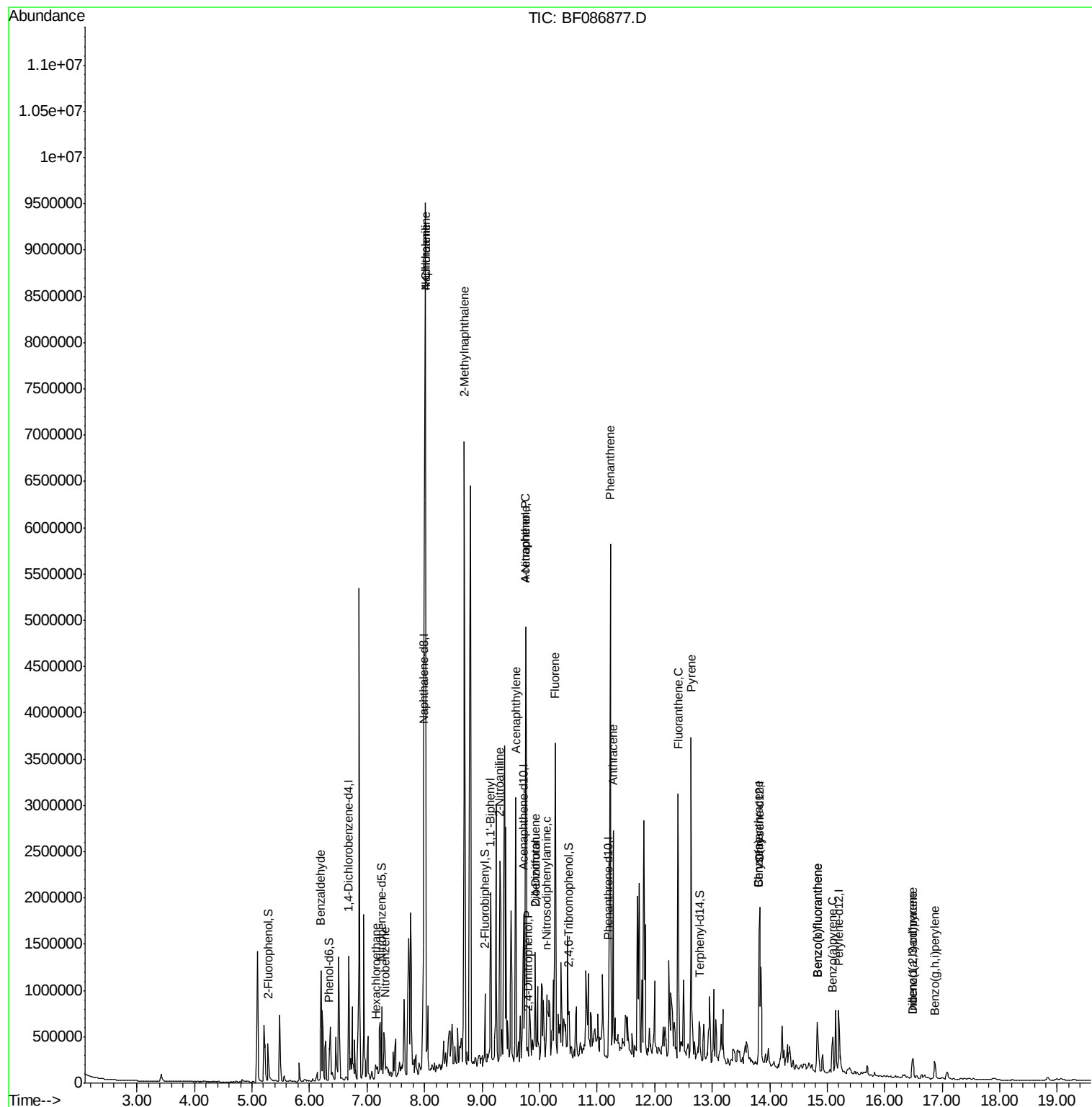
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.20	77	104264	12.90	ng	# 1
18) Hexachloroethane	7.15	117	21663	4.14	ng	# 5
24) Nitrobenzene	7.31	77	24739	2.01	ng	# 11
31) Naphthalene	8.02	128	7758249	257.50	ng	# 92
33) 4-Chloroaniline	8.02	127	1219432	104.16	ng	# 37
37) 2-Methylnaphthalene	8.69	142	2617165	148.58	ng	# 95
45) 1,1'-Biphenyl	9.15	154	546817	24.74	ng	# 99
47) 2-Nitroaniline	9.31	65	13913	2.20	ng	# 20
48) Acenaphthylene	9.58	152	591868	23.24	ng	# 93
51) Acenaphthene	9.76	154	1236848	78.06	ng	# 99
53) 2,4-Dinitrophenol	9.80	184	1898	8.44	ng	# 1
54) Dibenzofuran	9.93	168	164700	8.10	ng	# 79
55) 4-Nitrophenol	9.76	139	17552	9.84	ng	# 97
56) 2,4-Dinitrotoluene	9.93	165	23620	4.28	ng	# 44
57) Fluorene	10.27	166	1109425	63.96	ng	# 98
60) 4-Chlorophenyl-phenylether	10.27	204	236	Below Cal		# 1
65) n-Nitrosodiphenylamine	10.12	169	65969	4.98	ng	# 95
70) Phenanthrene	11.23	178	2689214	116.91	ng	# 97
71) Anthracene	11.28	178	1008571	42.87	ng	# 100
74) Fluoranthene	12.41	202	1015810	42.93	ng	# 99
77) Pyrene	12.64	202	1415635	53.50	ng	# 99
80) Benzo(a)anthracene	13.81	228	584513	30.13	ng	# 86
82) Chrysene	13.81	228	584513	29.62	ng	# 88
85) Indeno(1,2,3-cd)pyrene	16.49	276	147014	8.95	ng	# 88
87) Benzo(b)fluoranthene	14.83	252	450123	21.27	ng	# 96
88) Benzo(k)fluoranthene	14.83	252	450123	25.98	ng	# 99
89) Benzo(a)pyrene	15.09	252	204942	11.23	ng	# 97
90) Dibenzo(a,h)anthracene	16.49	278	33586	2.18	ng	# 96
91) Benzo(g,h,i)perylene	16.87	276	157346	10.07	ng	# 94

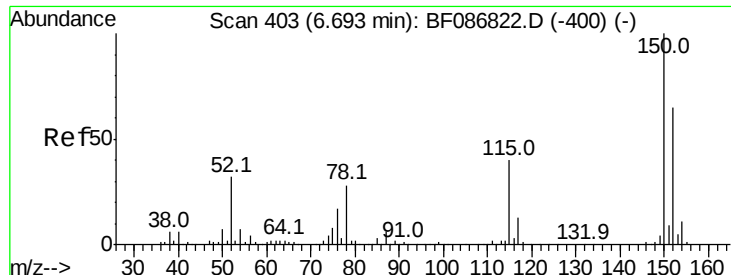
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

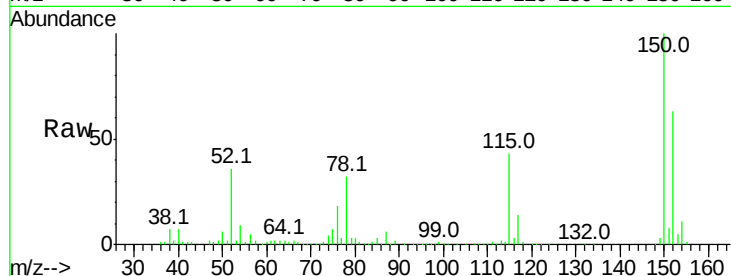
Tot Ion:152 Resp: 176837

Ion Ratio Lower Upper

152 100

150 158.9 125.8 188.6

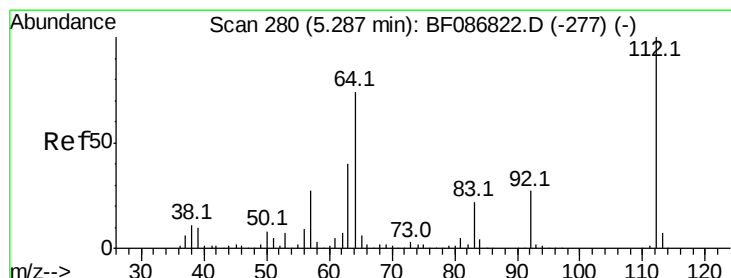
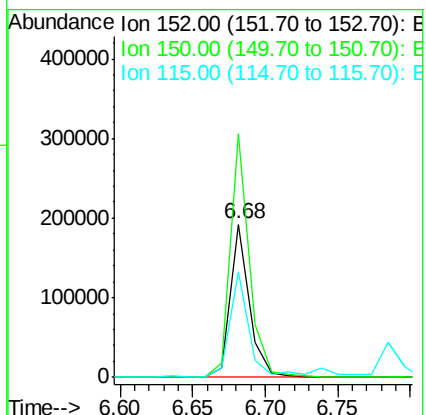
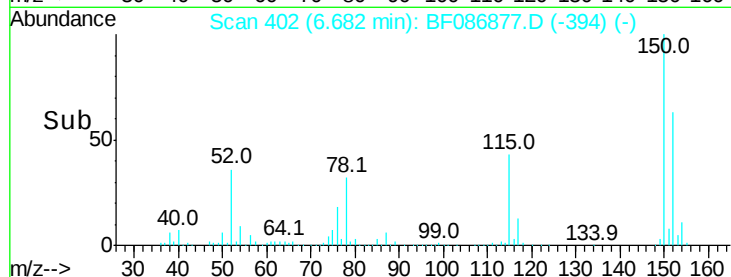
115 68.7 51.5 77.3



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: 14.33 ng

RT: 5.28 min Scan# 279

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

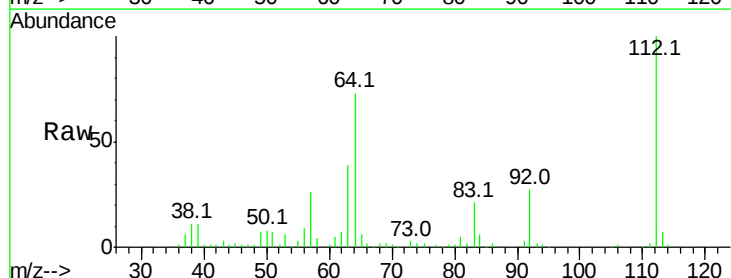
Tgt Ion:112 Resp: 149623

Ion Ratio Lower Upper

112 100

64 73.1 52.1 78.1

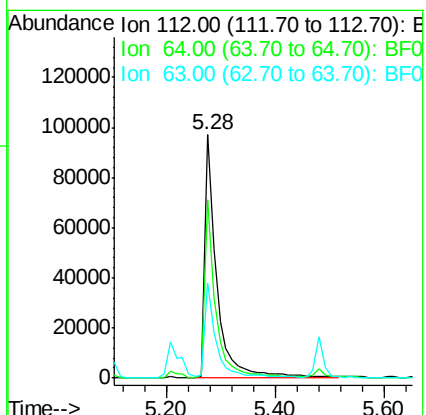
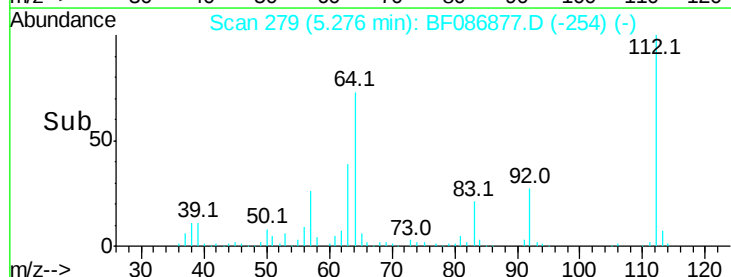
63 39.0 25.7 38.5#

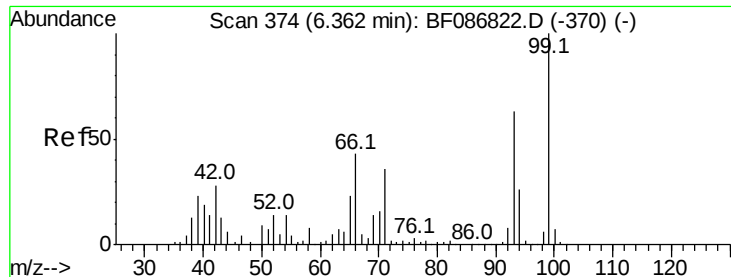


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 13.97 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.02 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

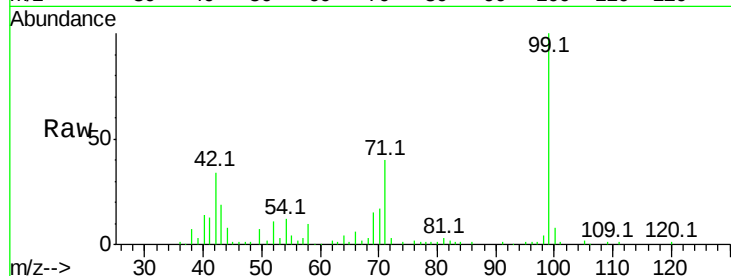
Tot Ion: 99 Resp: 194892

Ion Ratio Lower Upper

99 100

42 33.6 13.6 20.4#

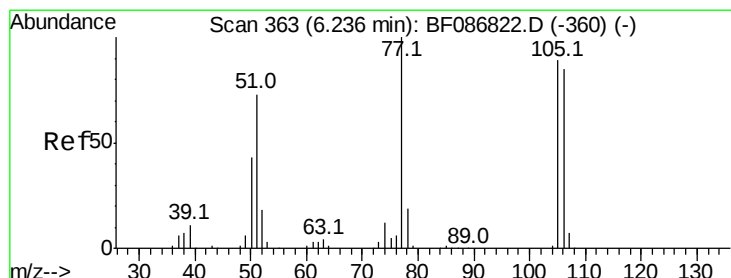
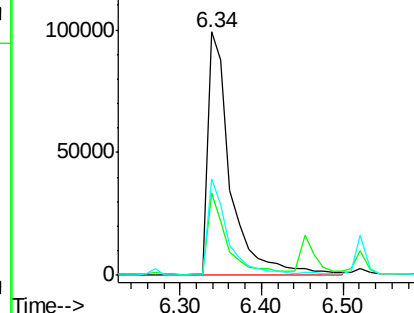
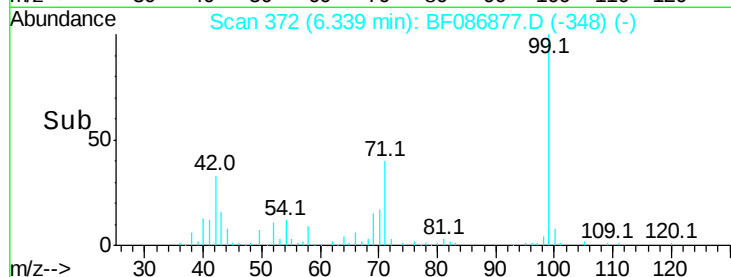
71 39.7 24.6 36.8#



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: 12.90 ng

RT: 6.20 min Scan# 360

Delta R.T. -0.03 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

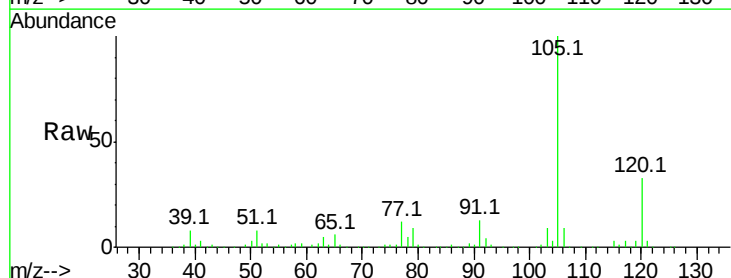
Tgt Ion: 77 Resp: 104264

Ion Ratio Lower Upper

77 100

105 805.0 72.7 112.7#

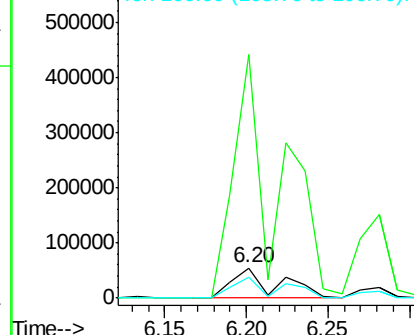
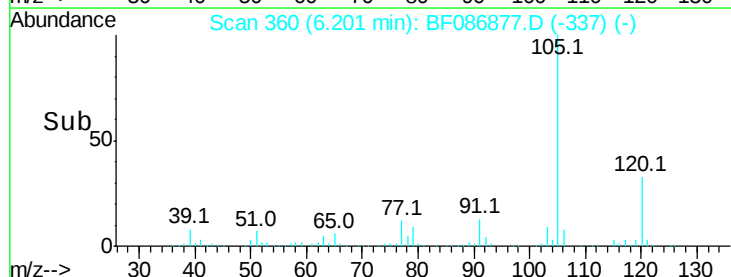
106 69.8 70.8 110.8#

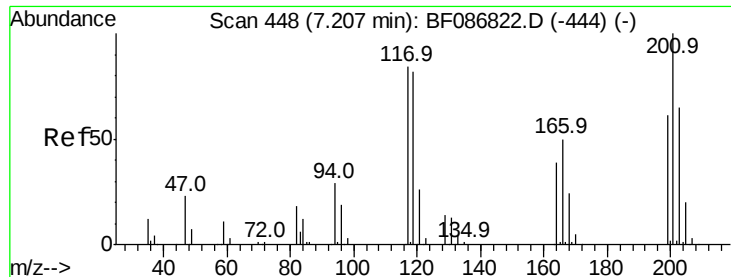


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

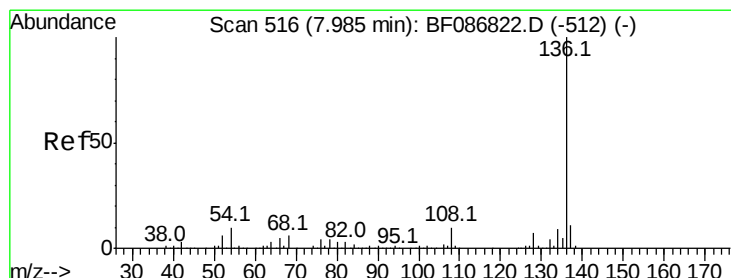
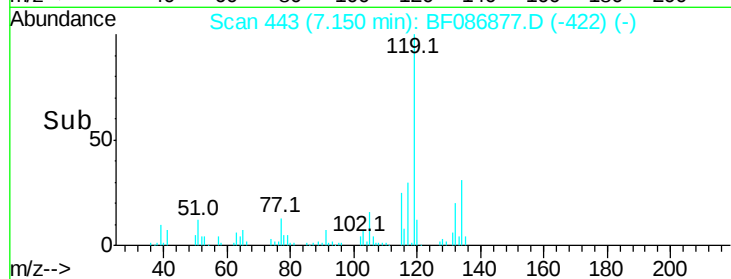
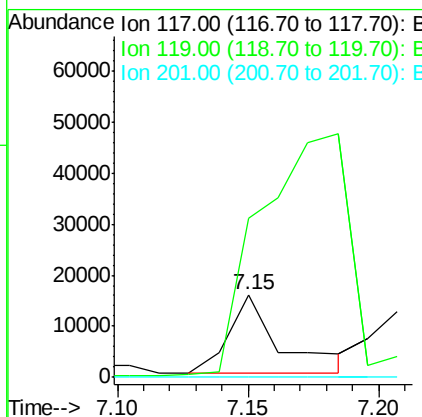
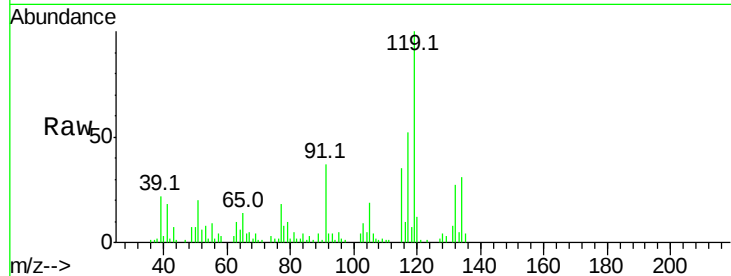




#18
Hexachloroethane
Concen: 4.14 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.06 min
Lab File: BF086877.D
Acq: 11 May 2016 3:16

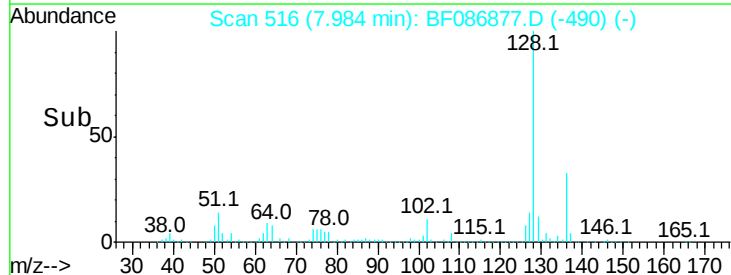
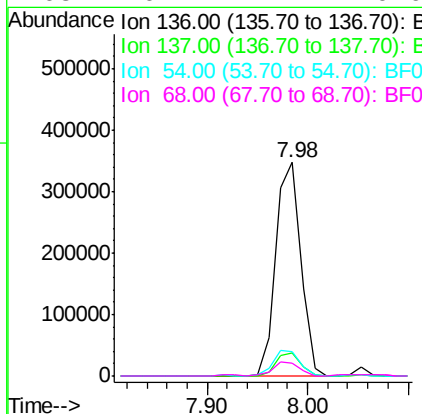
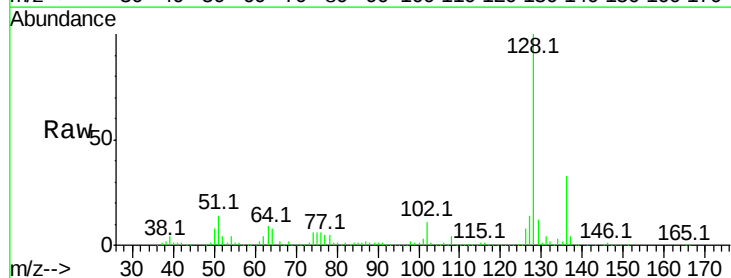
Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL

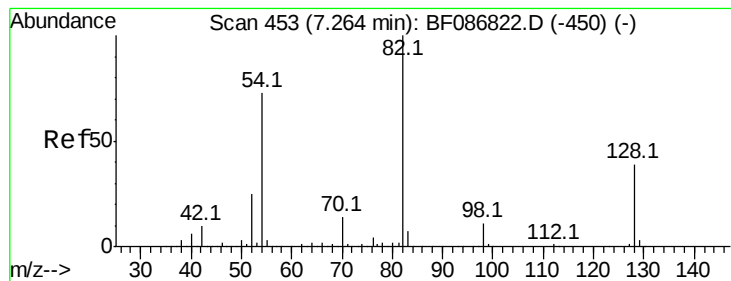
Tot Ion:117 Resp: 21663
Ion Ratio Lower Upper
117 100
119 192.8 76.5 114.7#
201 0.0 63.0 94.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.00 min
Lab File: BF086877.D
Acq: 11 May 2016 3:16

Tgt Ion:136 Resp: 601537
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 11.3 5.0 7.4#
68 6.2 4.4 6.6





#23

Nitrobenzene-d5

Concen: 10.33 ng

RT: 7.25 min Scan# 452

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

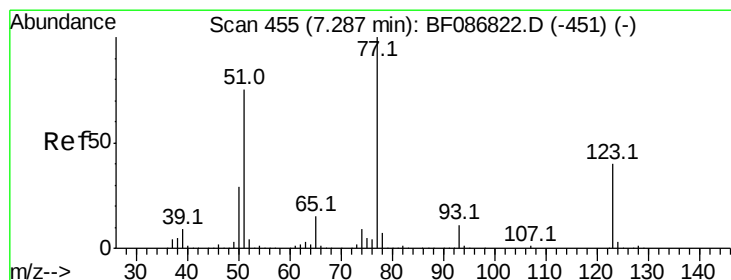
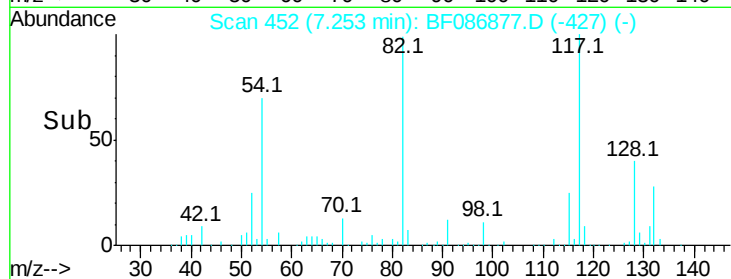
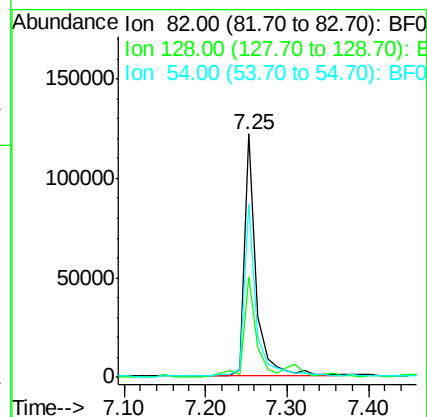
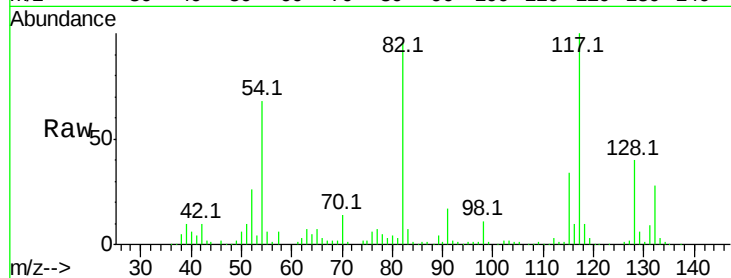
Tot Ion: 82 Resp: 123785

Ion Ratio Lower Upper

82 100

128 41.1 40.6 61.0

54 71.2 38.1 57.1#



#24

Nitrobenzene

Concen: 2.01 ng

RT: 7.31 min Scan# 457

Delta R.T. 0.02 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

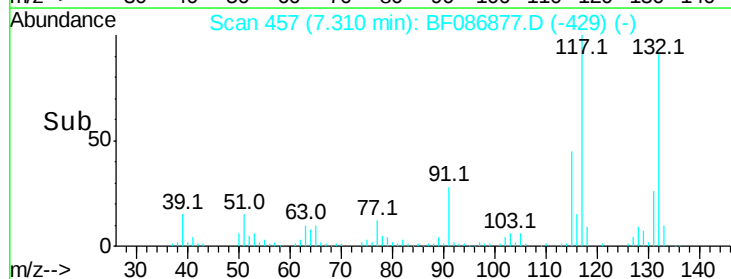
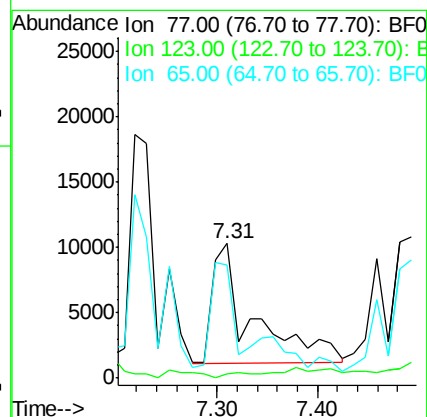
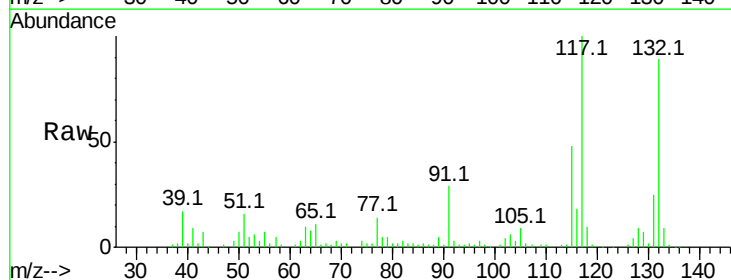
Tgt Ion: 77 Resp: 24739

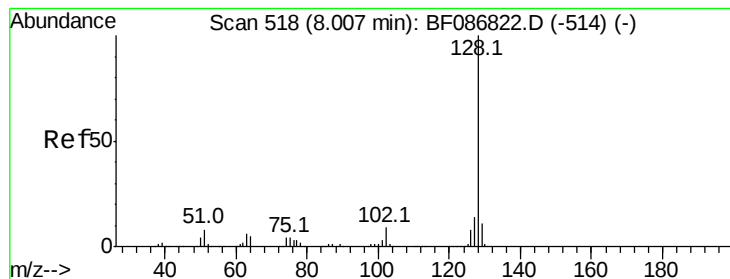
Ion Ratio Lower Upper

77 100

123 3.1 33.0 49.4#

65 84.2 10.8 16.2#





#31

Naphthalene

Concen: 257.50 ng

RT: 8.02 min Scan# 519

Delta R.T. 0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

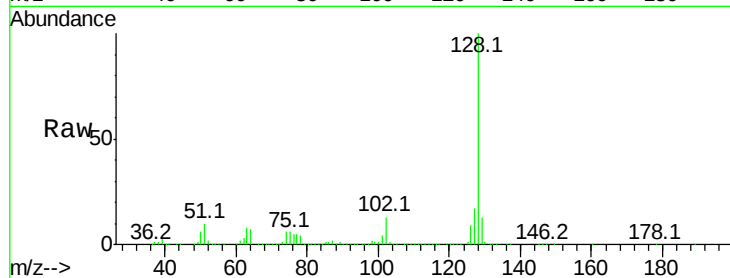
Tot Ion:128 Resp: 7758249

Ion Ratio Lower Upper

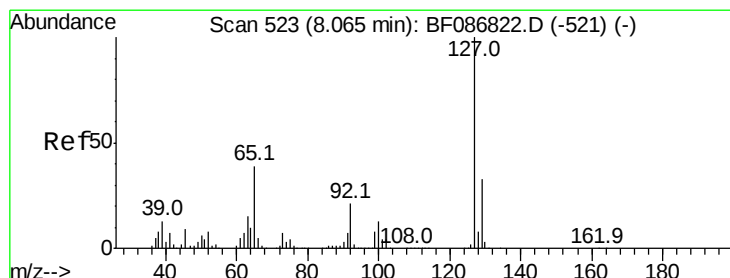
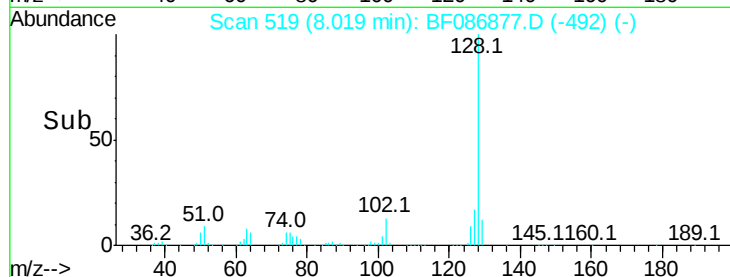
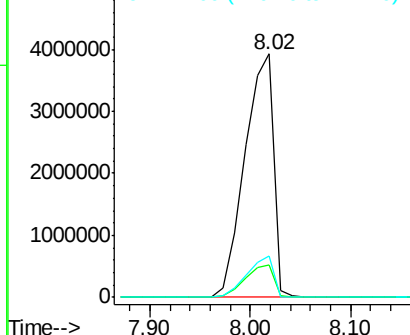
128 100

129 13.3 8.6 13.0#

127 16.8 10.8 16.2#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 104.16 ng

RT: 8.02 min Scan# 519

Delta R.T. -0.05 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Tgt Ion:127 Resp: 1219432

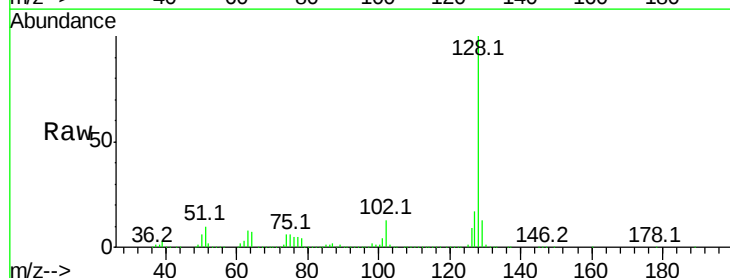
Ion Ratio Lower Upper

127 100

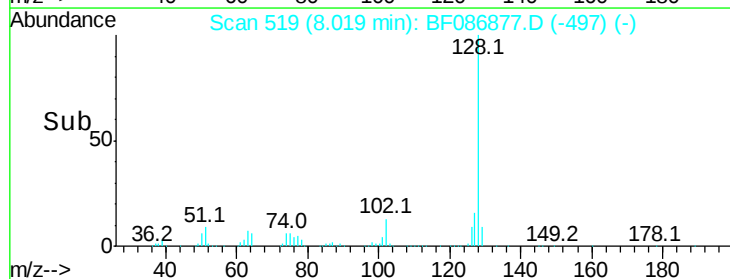
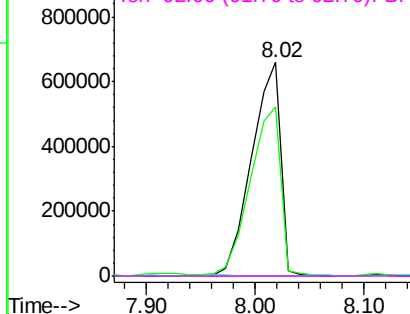
129 79.3 26.2 39.4#

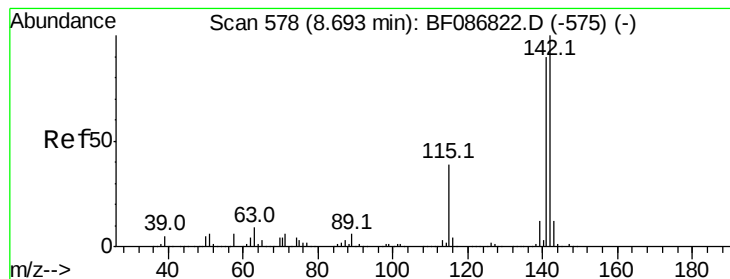
65 0.0 23.0 34.4#

92 0.1 15.1 22.7#



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

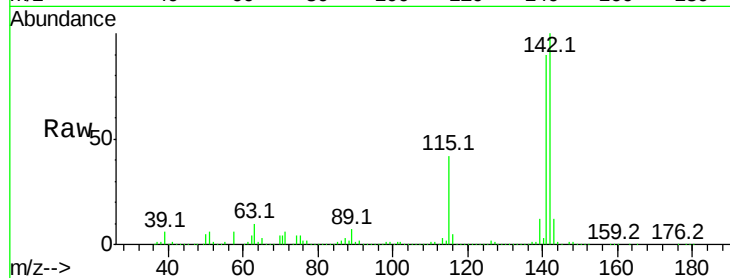




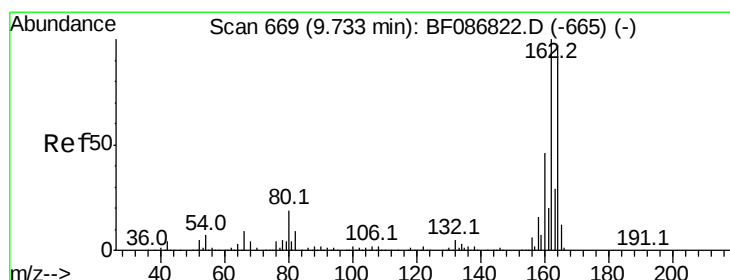
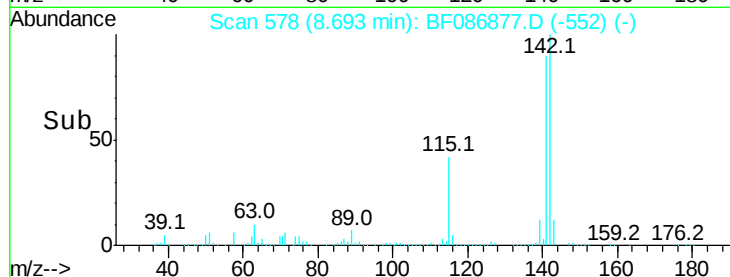
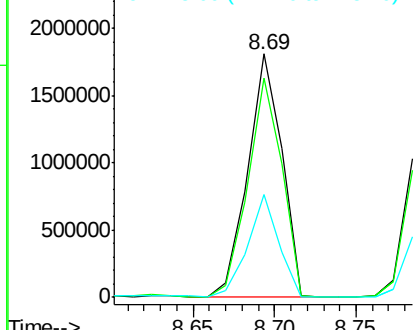
#37
2-Methylnaphthalene
Concen: 148.58 ng
RT: 8.69 min Scan# 578
Delta R.T. -0.00 min
Lab File: BF086877.D
Acq: 11 May 2016 3:16

Instrument :
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ClientSampleId :
TEC-B1COMPDL

Tot Ion:142 Resp: 2617165
Ion Ratio Lower Upper
142 100
141 90.1 71.0 106.6
115 42.5 26.6 39.8#

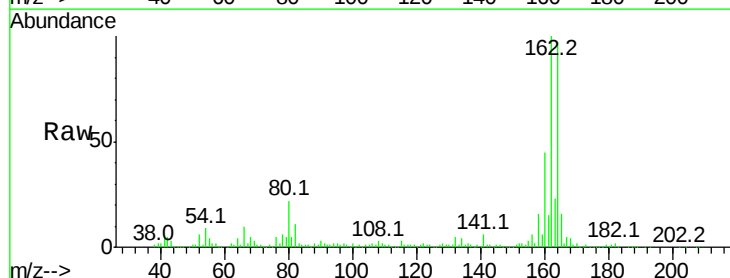


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

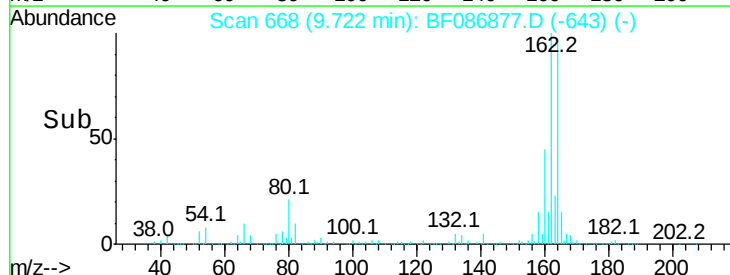
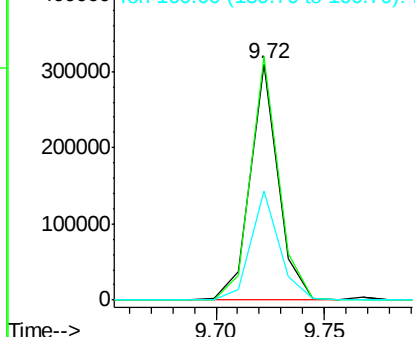


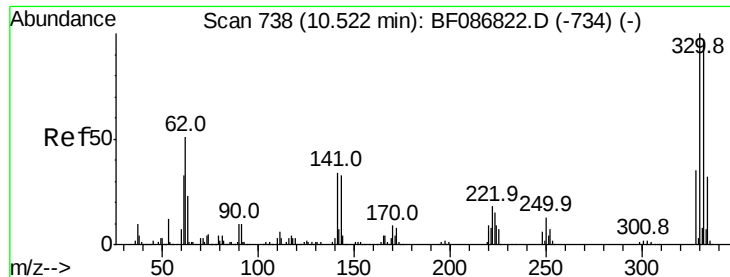
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.72 min Scan# 668
Delta R.T. -0.01 min
Lab File: BF086877.D
Acq: 11 May 2016 3:16

Tgt Ion:164 Resp: 277891
Ion Ratio Lower Upper
164 100
162 103.0 82.8 124.2
160 46.4 36.9 55.3



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

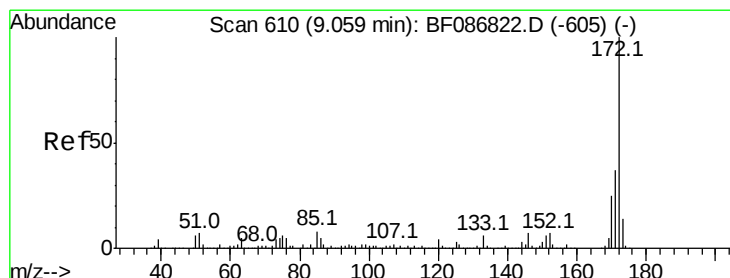
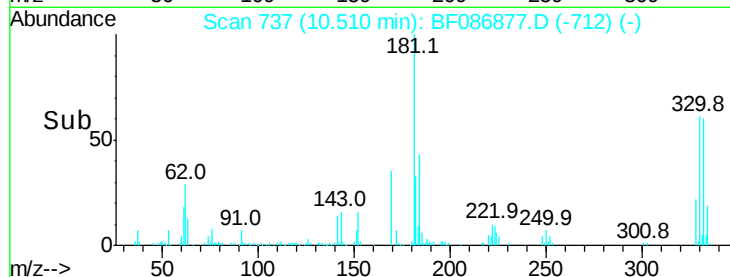
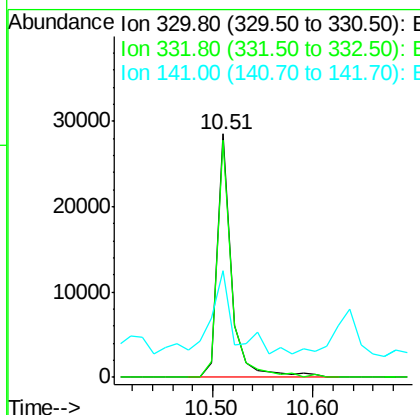
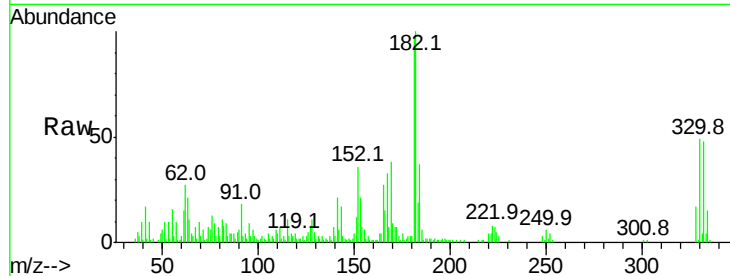




#41
 2,4,6-Tribromophenol
 Concen: 9.59 ng
 RT: 10.51 min Scan# 737
 Delta R.T. -0.01 min
 Lab File: BF086877.D
 Acq: 11 May 2016 3:16

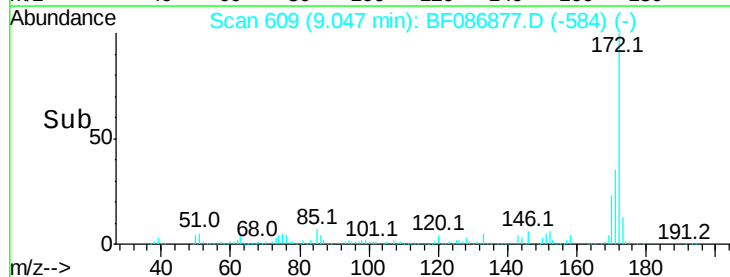
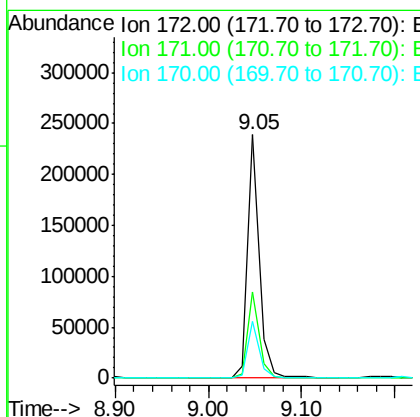
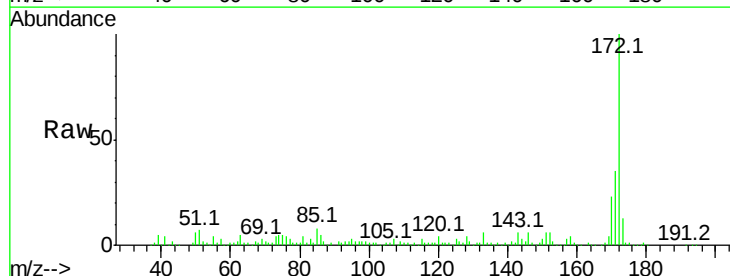
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMPDL

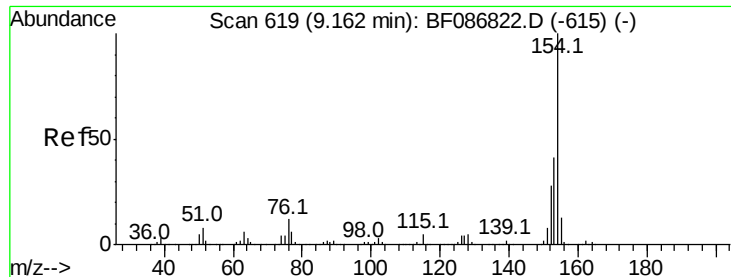
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	79.0	118.4
141	53.3	31.2	46.8#



#44
 2-Fluorobiphenyl
 Concen: 12.59 ng
 RT: 9.05 min Scan# 609
 Delta R.T. -0.01 min
 Lab File: BF086877.D
 Acq: 11 May 2016 3:16

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.0	43.6
170	23.4	19.8	29.8





#45

1,1'-Biphenyl

Concen: 24.74 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

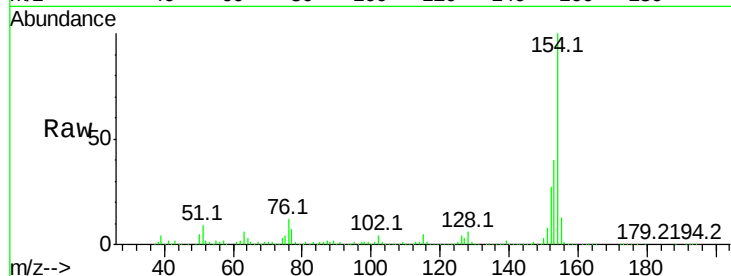
Tot Ion:154 Resp: 546817

Ion Ratio Lower Upper

154 100

153 40.3 20.3 60.3

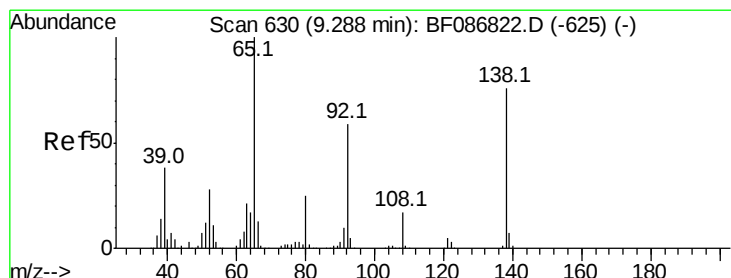
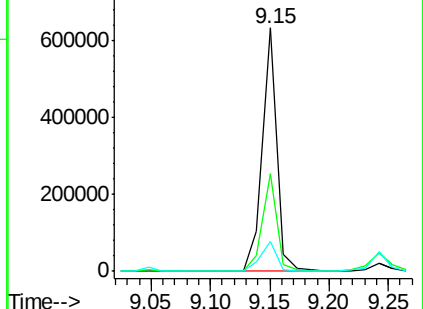
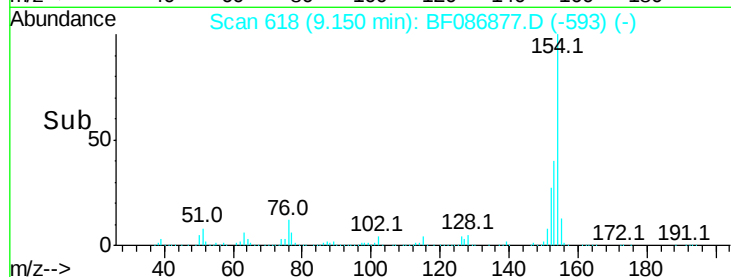
76 12.5 0.0 30.2



Abundance Ion 154.00 (153.70 to 154.70): B

Ion 153.00 (152.70 to 153.70): B

Ion 76.00 (75.70 to 76.70): B



#47

2-Nitroaniline

Concen: 2.20 ng

RT: 9.31 min Scan# 632

Delta R.T. 0.02 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

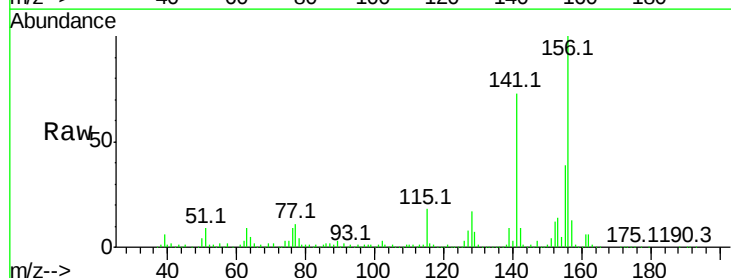
Tgt Ion: 65 Resp: 13913

Ion Ratio Lower Upper

65 100

92 10.3 57.4 86.2#

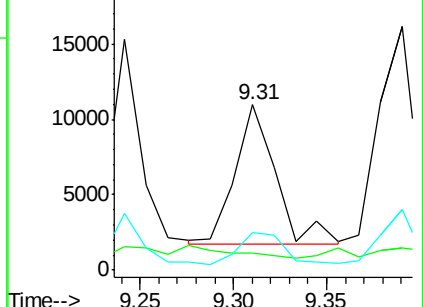
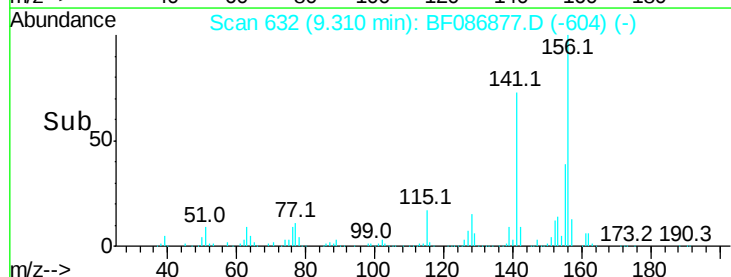
138 23.1 90.1 135.1#

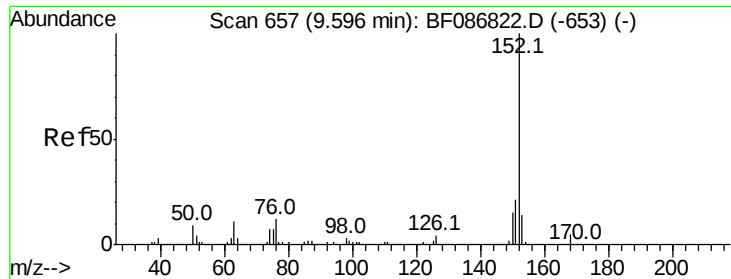


Abundance Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0

Ion 138.00 (137.70 to 138.70): B





#48

Acenaphthylene

Concen: 23.24 ng

RT: 9.58 min Scan# 656

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

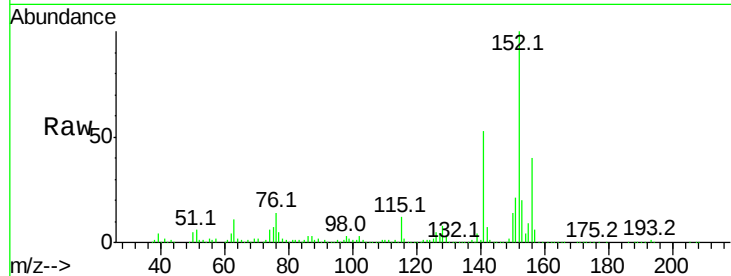
Tot Ion:152 Resp: 591868

Ion Ratio Lower Upper

152 100

151 21.3 16.8 25.2

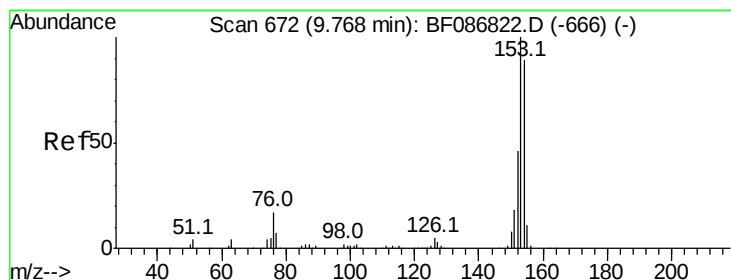
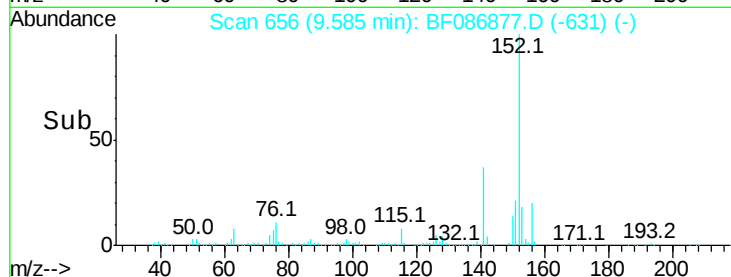
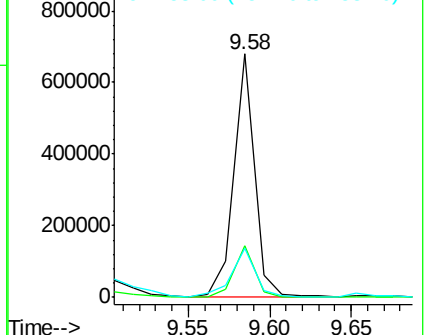
153 20.0 10.9 16.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 78.06 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

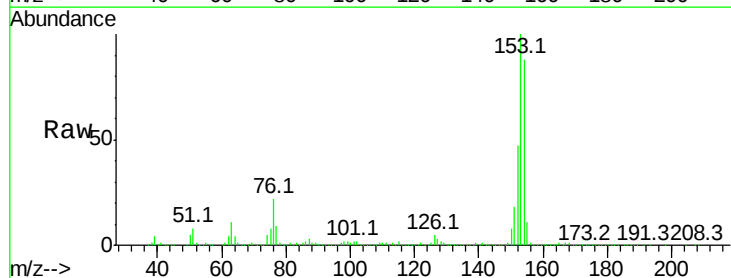
Tgt Ion:154 Resp: 1236848

Ion Ratio Lower Upper

154 100

153 113.3 89.8 134.6

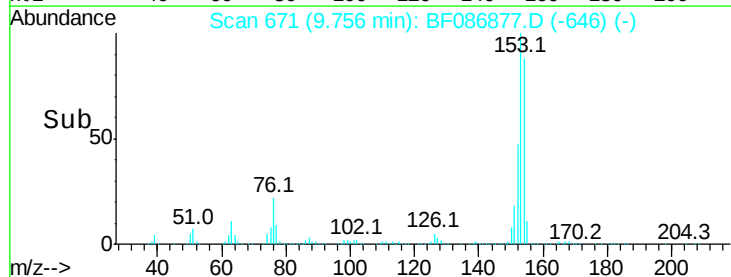
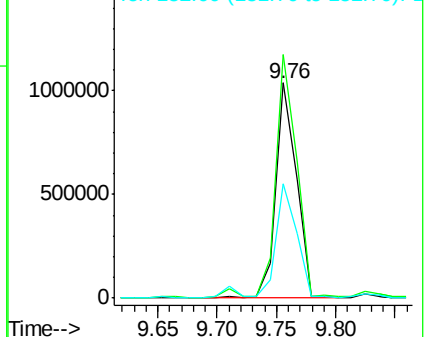
152 53.2 43.4 65.0

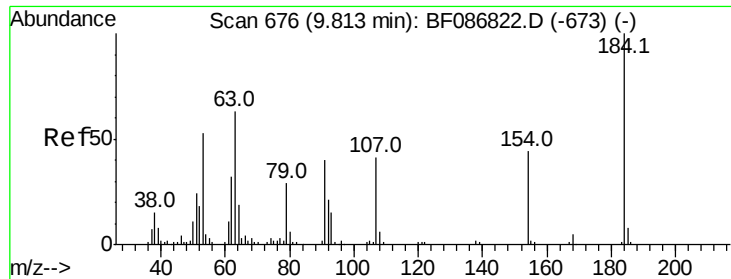


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

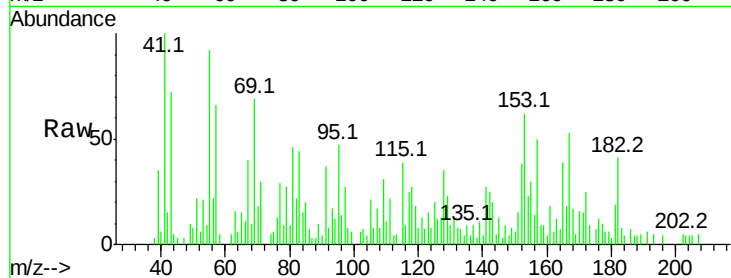




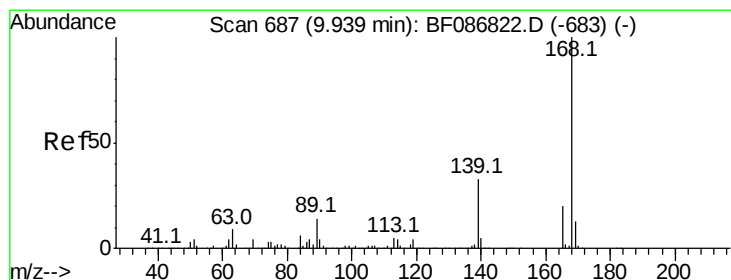
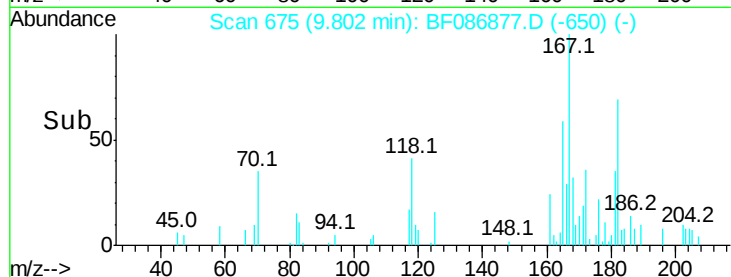
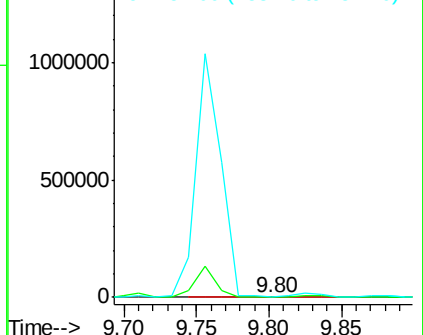
#53
2,4-Dinitrophenol
Concen: 8.44 ng
RT: 9.80 min Scan# 675
Delta R.T. -0.01 min
Lab File: BF086877.D
Acq: 11 May 2016 3:16

Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL

Tot Ion:184 Resp: 1898
Ion Ratio Lower Upper
184 100
63 383.3 55.8 83.8#
154 543.1 62.4 93.6#

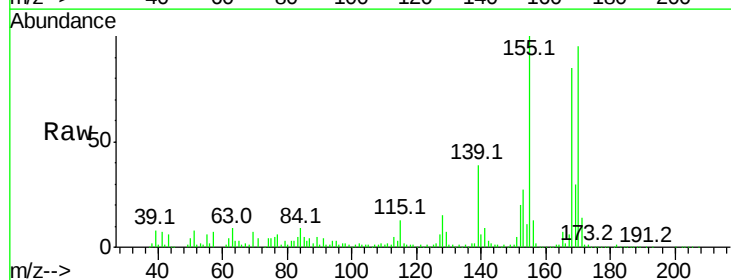


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

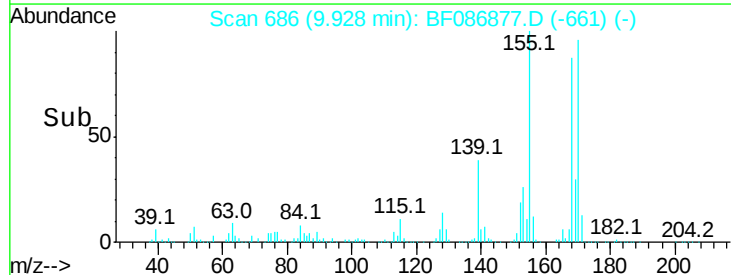
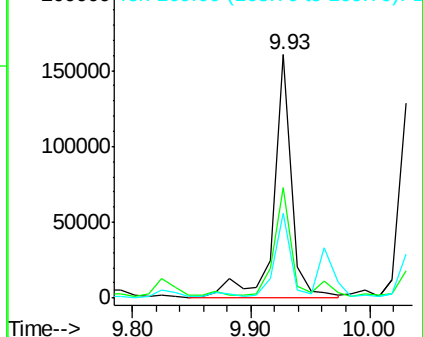


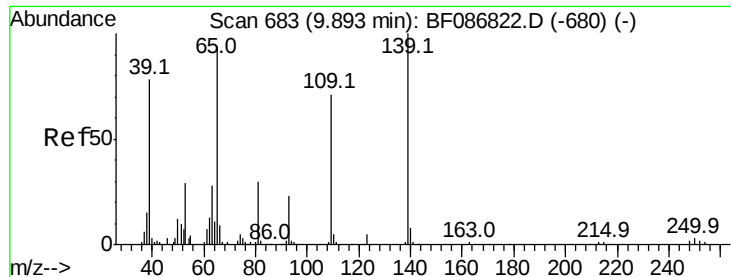
#54
Dibenzofuran
Concen: 8.10 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.01 min
Lab File: BF086877.D
Acq: 11 May 2016 3:16

Tgt Ion:168 Resp: 164700
Ion Ratio Lower Upper
168 100
139 45.1 31.4 47.0
169 35.1 10.7 16.1#



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: 9.84 ng

RT: 9.76 min Scan# 671

Delta R.T. -0.14 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

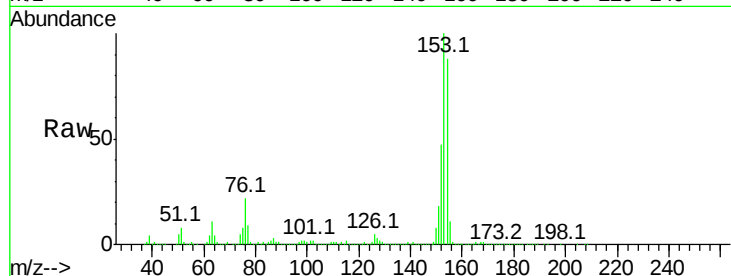
Tot Ion:139 Resp: 17552

Ion Ratio Lower Upper

139 100

109 58.7 36.9 76.9

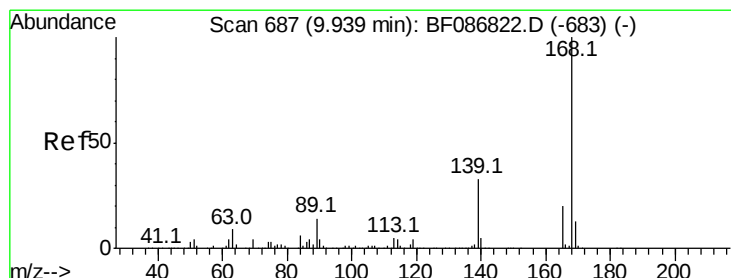
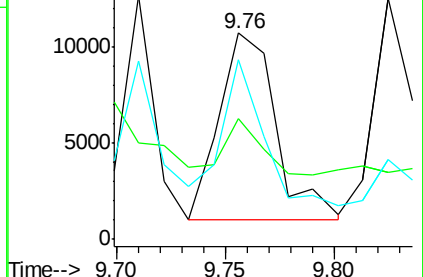
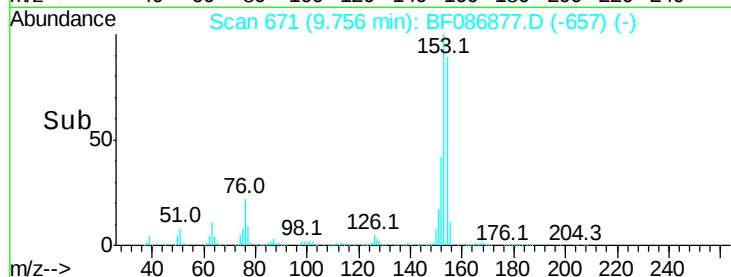
65 86.9 64.0 104.0



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: 4.28 ng

RT: 9.93 min Scan# 686

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Tgt Ion:165 Resp: 23620

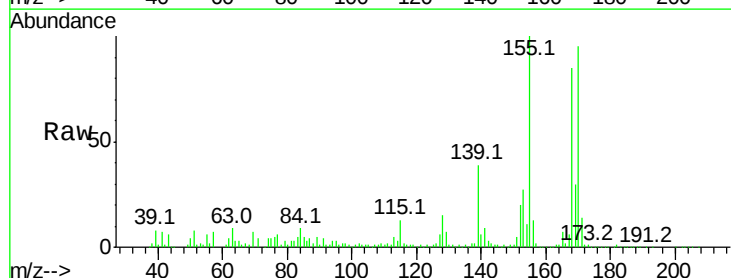
Ion Ratio Lower Upper

165 100

63 141.6 44.3 66.5#

89 72.0 70.0 105.0

182 17.5 1.8 2.6#

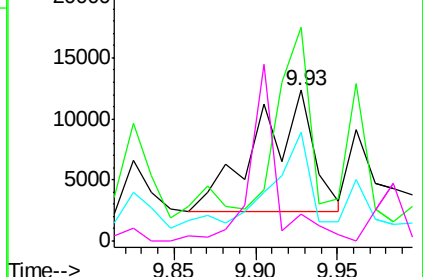
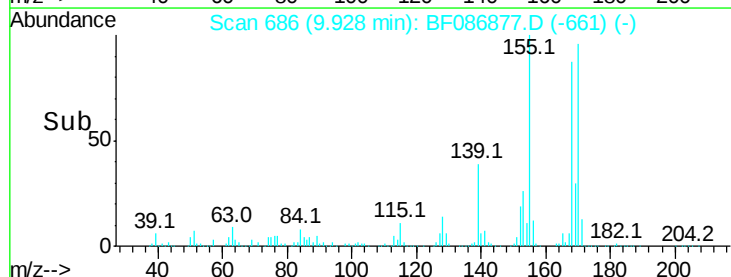


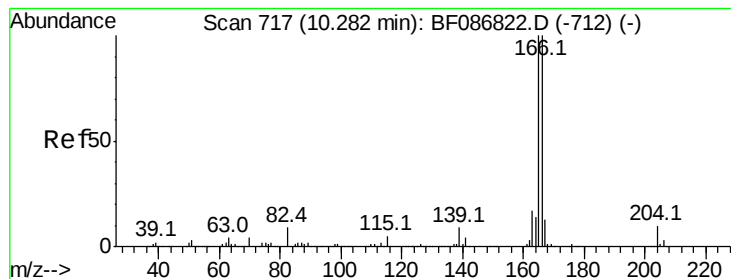
Abundance Ion 165.00 (164.70 to 165.70): E

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: 63.96 ng

RT: 10.27 min Scan# 716

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

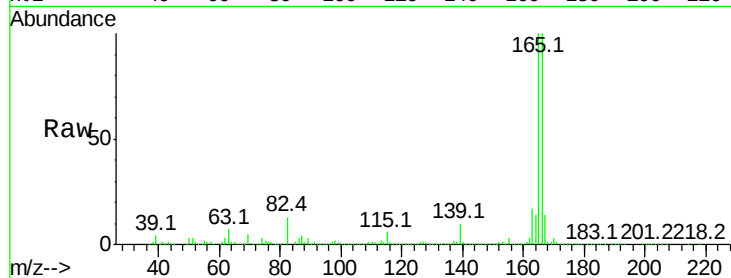
Tot Ion:166 Resp: 1109425

Ion Ratio Lower Upper

166 100

165 100.3 79.0 118.6

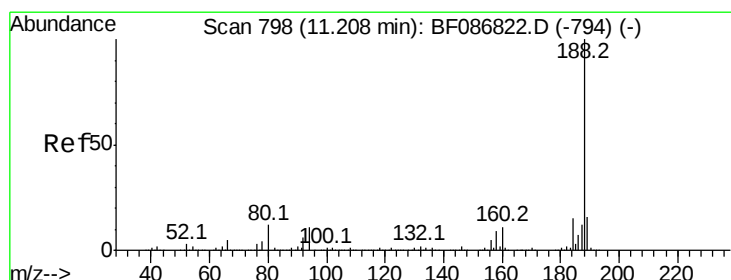
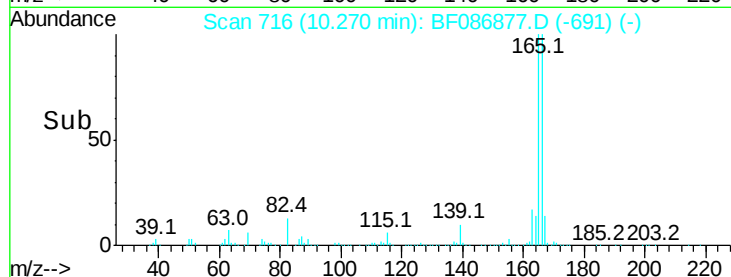
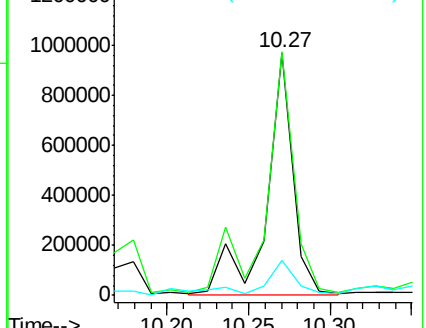
167 14.3 10.6 15.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.20 min Scan# 797

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

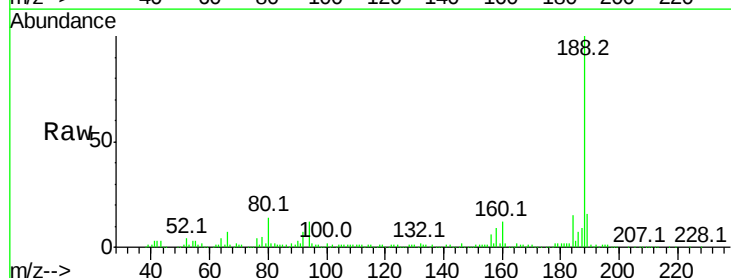
Tgt Ion:188 Resp: 431048

Ion Ratio Lower Upper

188 100

94 12.4 6.8 10.2#

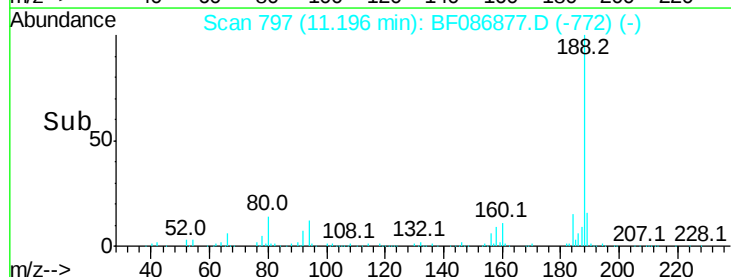
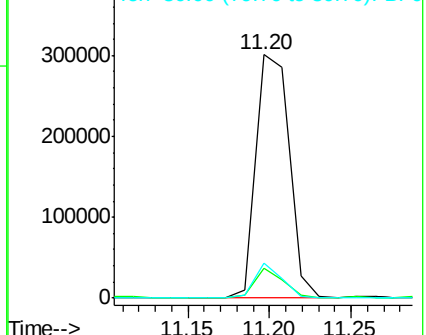
80 14.1 7.1 10.7#

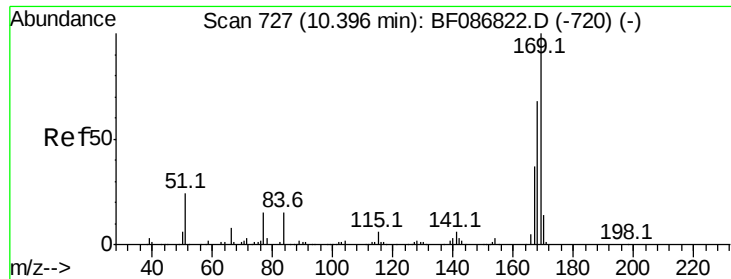


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

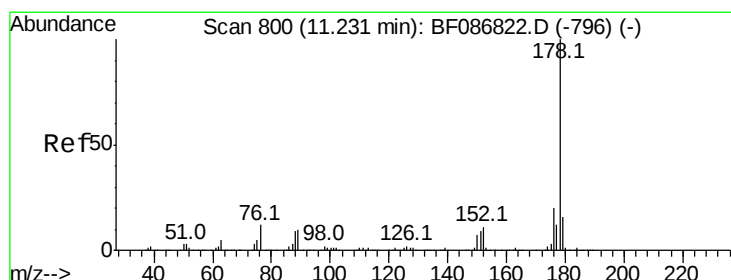
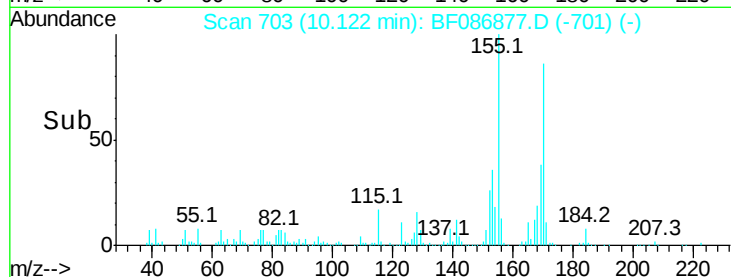
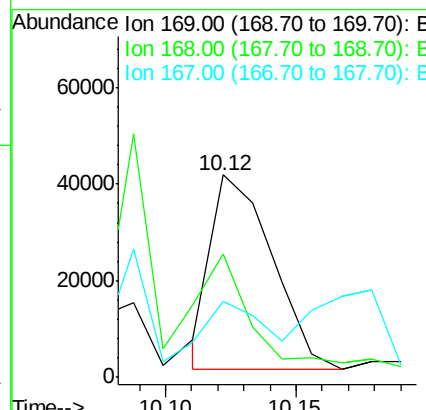
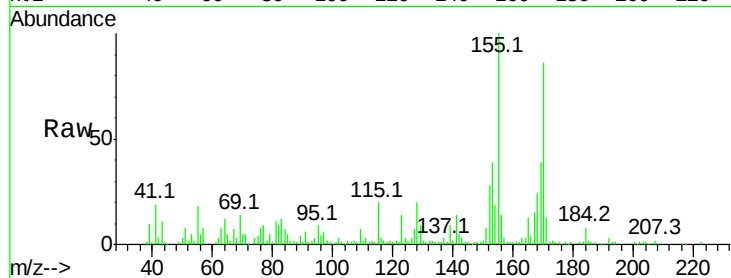




#65
n-Nitrosodiphenylamine
Concen: 4.98 ng
RT: 10.12 min Scan# 703
Delta R.T. -0.27 min
Lab File: BF086877.D
Acq: 11 May 2016 3:16

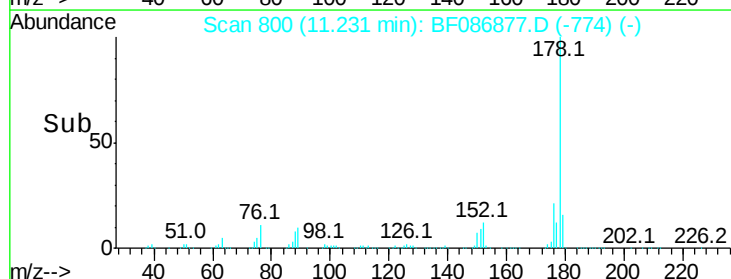
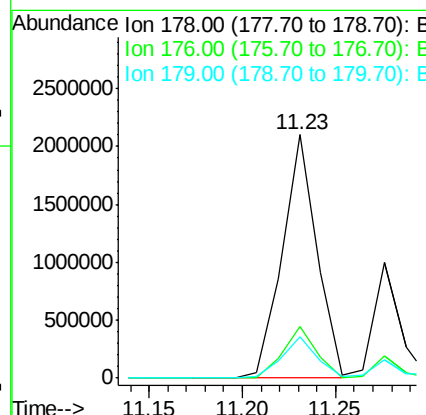
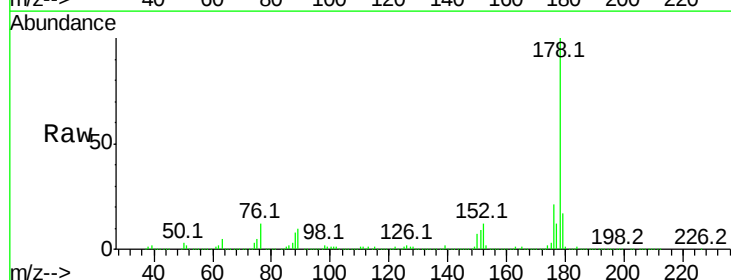
Instrument :
BNA_F
ClientSampleId :
TEC-B1COMPDL

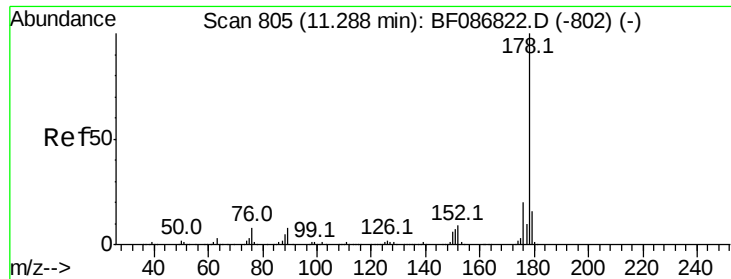
Tot Ion:169 Resp: 65969
Ion Ratio Lower Upper
169 100
168 61.0 53.8 80.6
167 37.2 29.5 44.3



#70
Phenanthrene
Concen: 116.91 ng
RT: 11.23 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF086877.D
Acq: 11 May 2016 3:16

Tgt Ion:178 Resp: 2689214
Ion Ratio Lower Upper
178 100
176 21.1 16.0 24.0
179 16.8 12.6 18.8

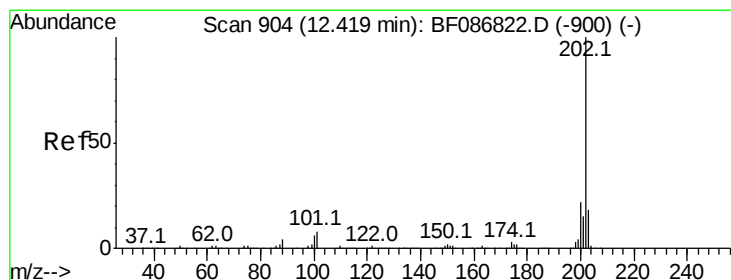
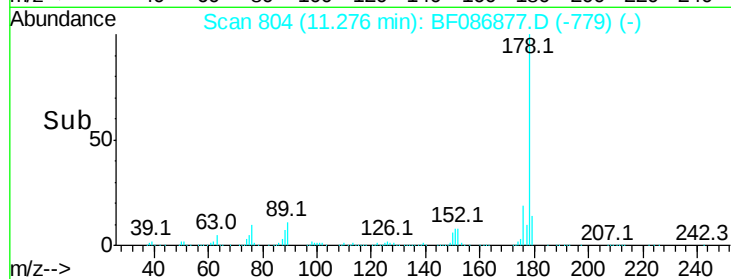
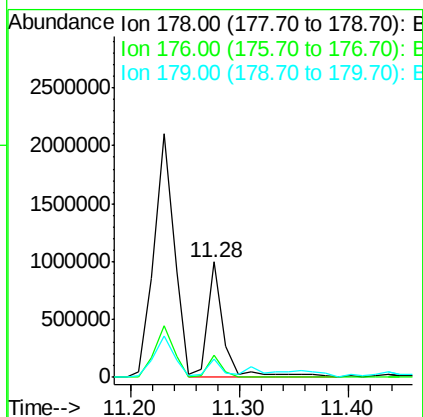
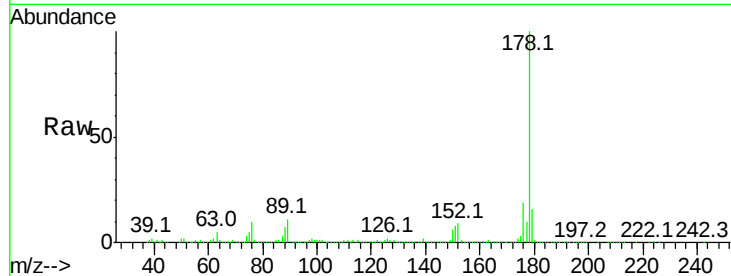




#71
 Anthracene
 Concen: 42.87 ng
 RT: 11.28 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF086877.D
 Acq: 11 May 2016 3:16

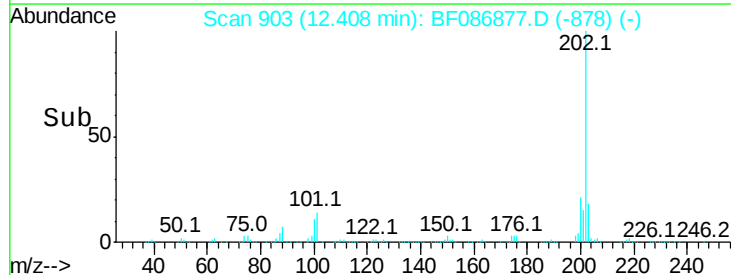
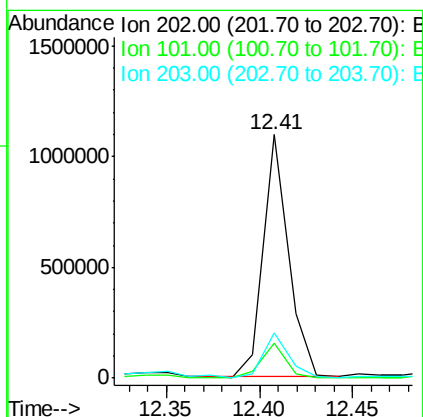
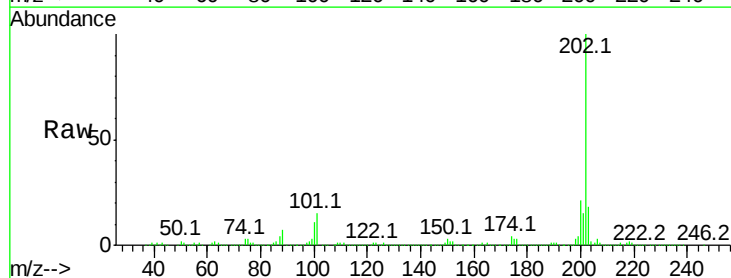
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1COMPDL

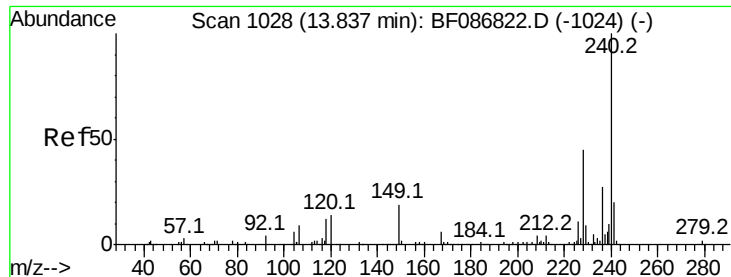
Tot Ion:178 Resp: 1008571
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.6 23.4
 179 16.0 12.7 19.1



#74
 Fluoranthene
 Concen: 42.93 ng
 RT: 12.41 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF086877.D
 Acq: 11 May 2016 3:16

Tgt Ion:202 Resp: 1015810
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 35.4
 203 18.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.83 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

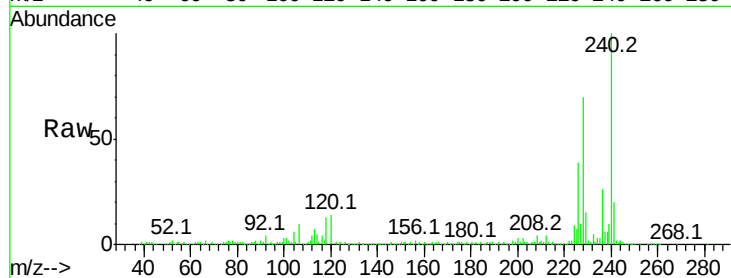
Tot Ion:240 Resp: 345606

Ion Ratio Lower Upper

240 100

120 14.0 11.2 16.8

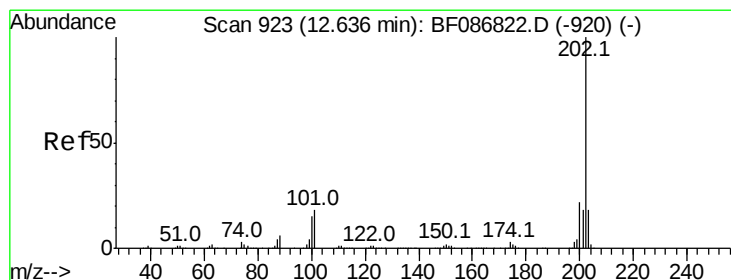
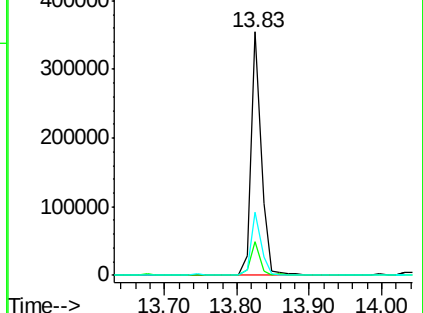
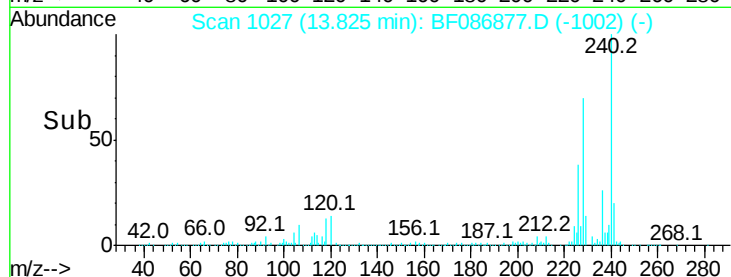
236 26.2 21.2 31.8



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: 53.50 ng

RT: 12.64 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

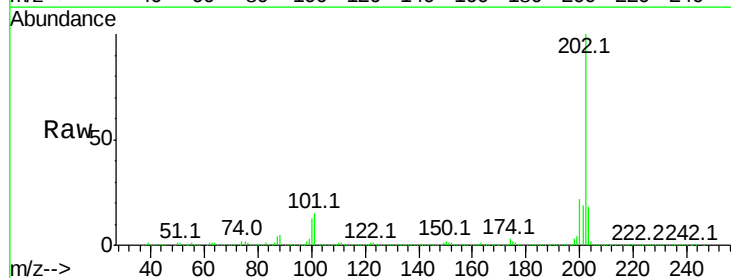
Tgt Ion:202 Resp: 1415635

Ion Ratio Lower Upper

202 100

200 22.4 17.7 26.5

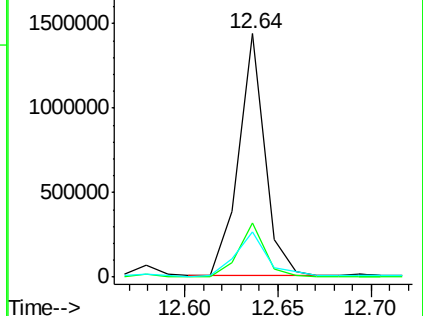
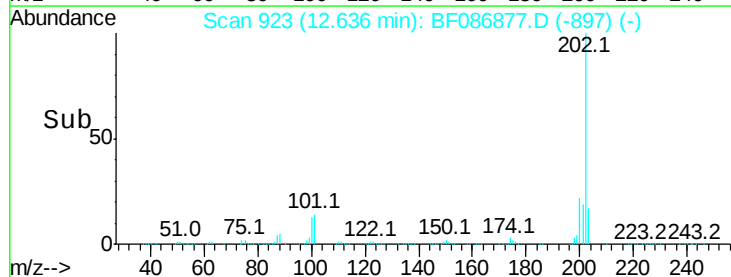
203 18.4 14.2 21.4

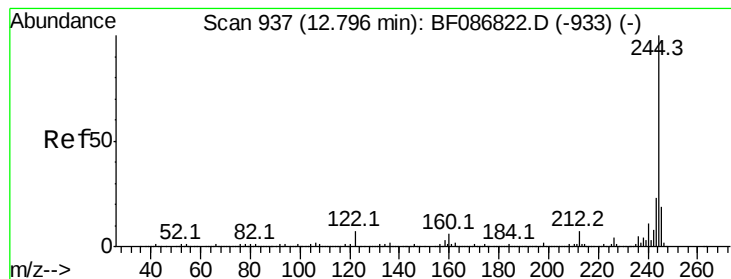


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 8.58 ng

RT: 12.77 min Scan# 935

Delta R.T. -0.02 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

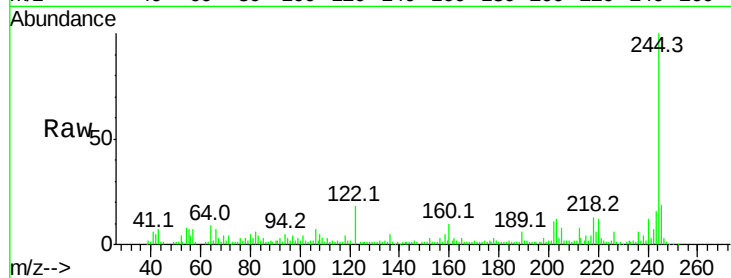
Tot Ion:244 Resp: 139776

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

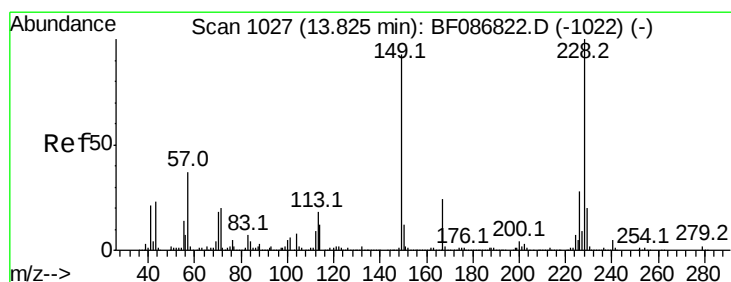
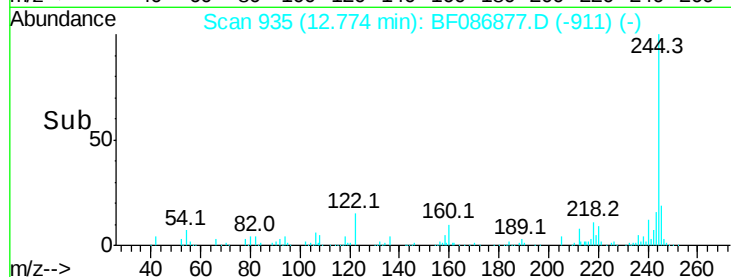
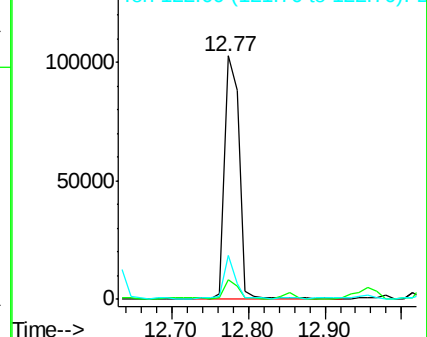
122 18.3 12.0 18.0#



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



#80

Benzo(a)anthracene

Concen: 30.13 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

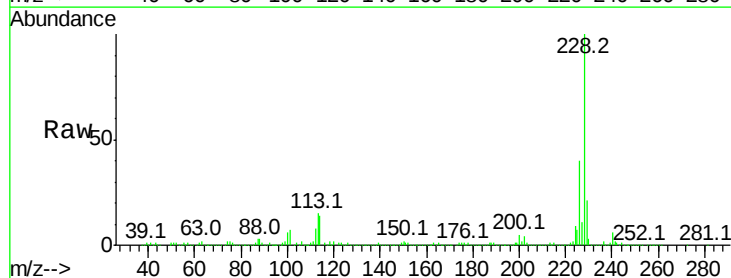
Tgt Ion:228 Resp: 584513

Ion Ratio Lower Upper

228 100

226 40.2 22.5 33.7#

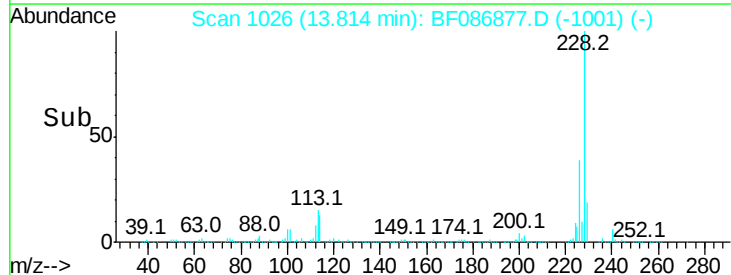
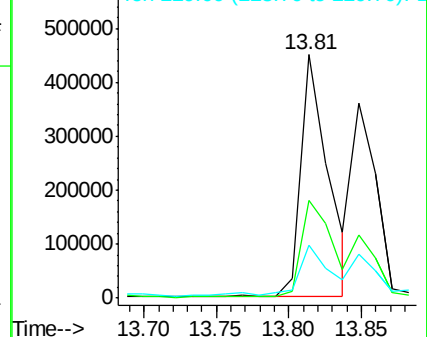
229 21.5 16.6 25.0

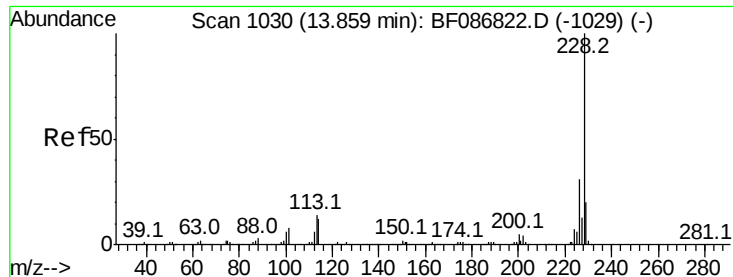


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 29.62 ng

RT: 13.81 min Scan# 1026

Delta R.T. -0.05 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

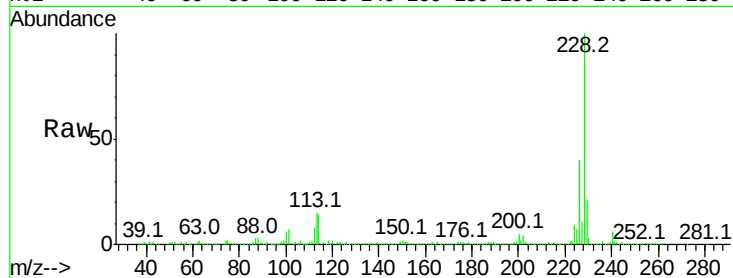
Tot Ion:228 Resp: 584513

Ion Ratio Lower Upper

228 100

226 40.2 24.4 36.6#

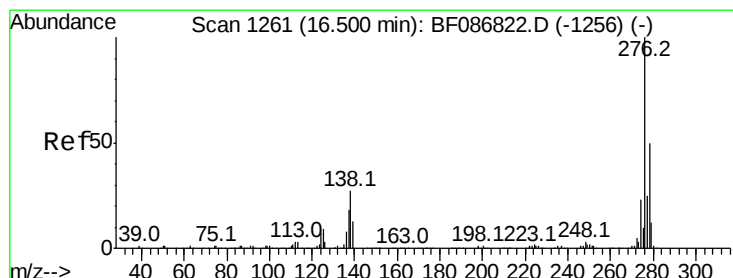
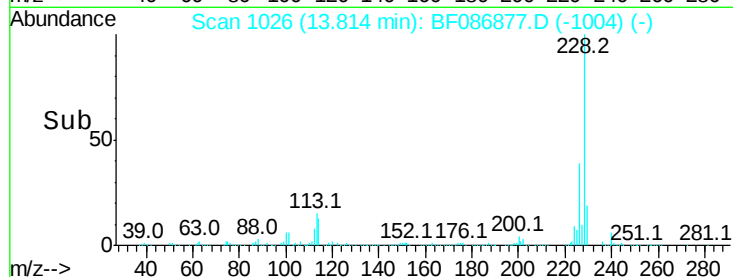
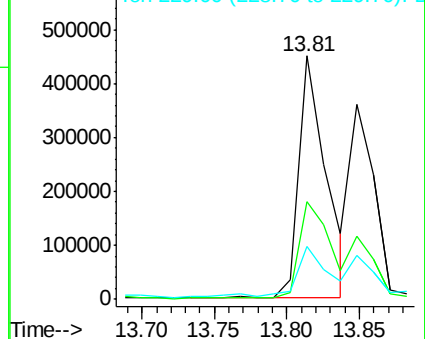
229 21.5 15.8 23.8



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.95 ng

RT: 16.49 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

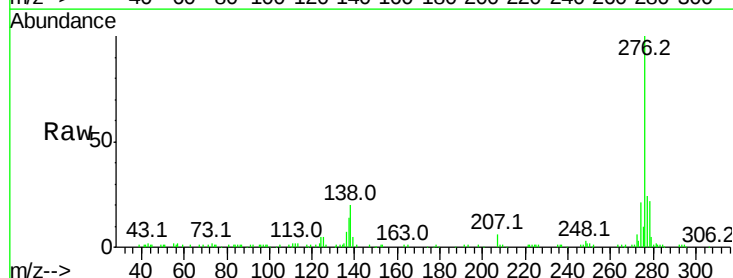
Tgt Ion:276 Resp: 147014

Ion Ratio Lower Upper

276 100

138 21.5 25.6 38.4#

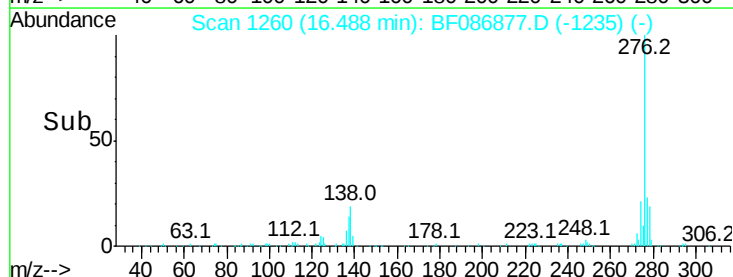
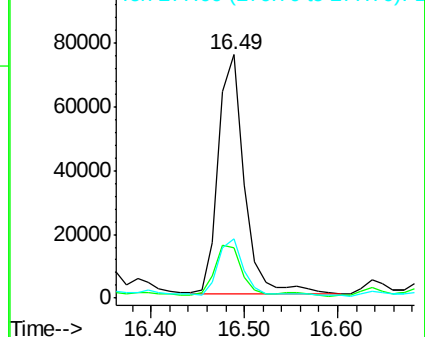
277 24.0 20.5 30.7

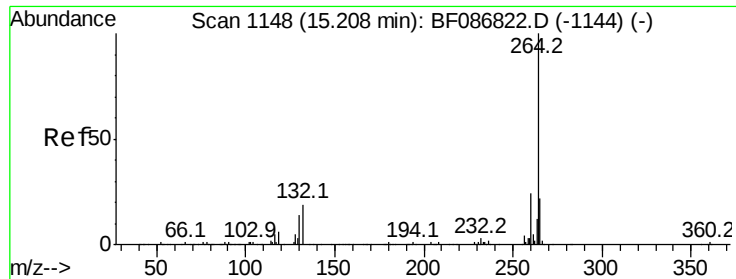


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#86

Pervlene-d12

Concen: 20.00 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

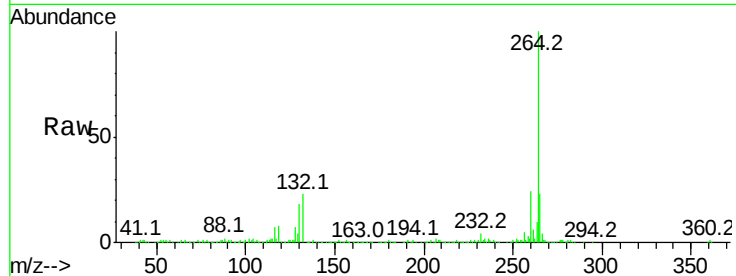
Tot Ion:264 Resp: 325563

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

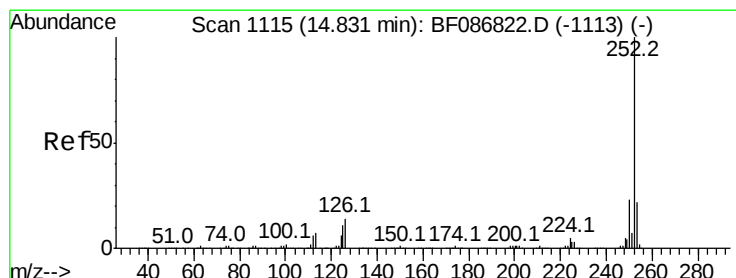
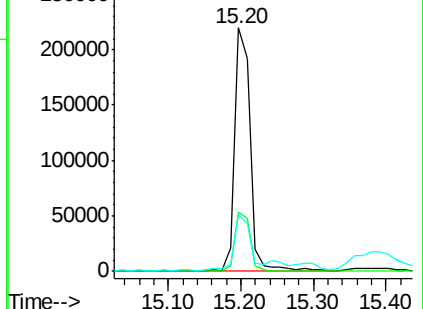
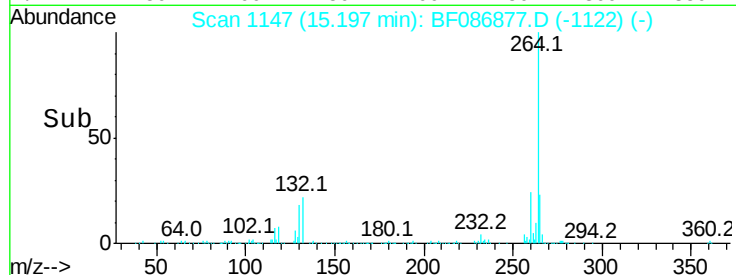
265 23.2 17.3 25.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 21.27 ng

RT: 14.83 min Scan# 1115

Delta R.T. -0.00 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

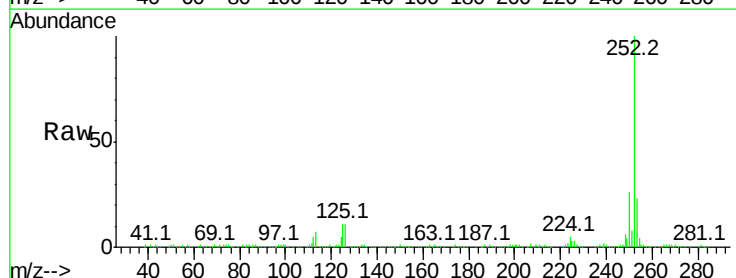
Tgt Ion:252 Resp: 450123

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

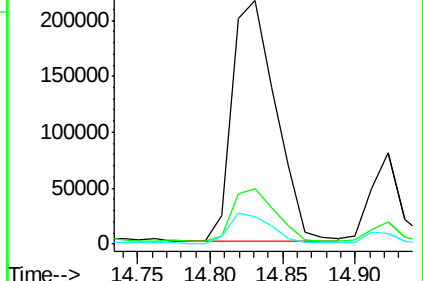
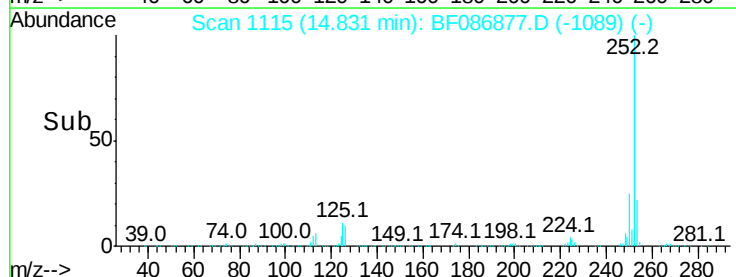
125 11.3 11.4 17.0#

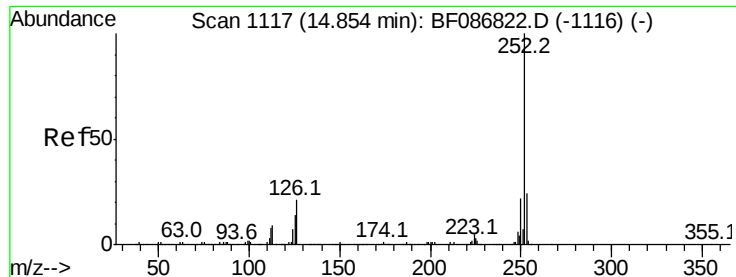


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 25.98 ng

RT: 14.83 min Scan# 1115

Delta R.T. -0.02 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

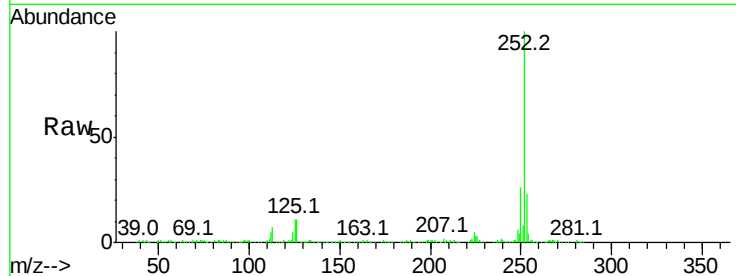
Tot Ion:252 Resp: 450123

Ion Ratio Lower Upper

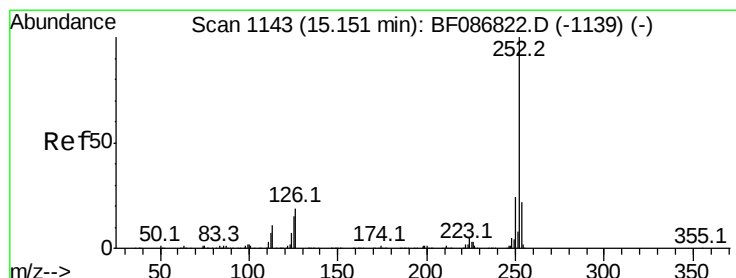
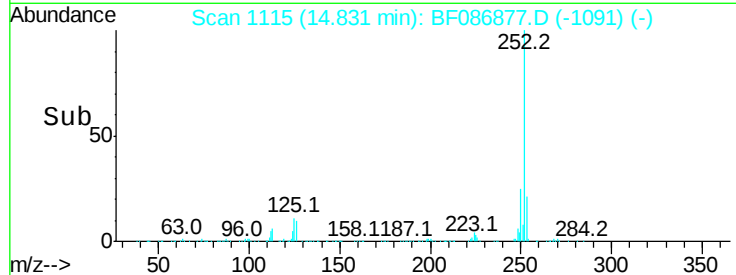
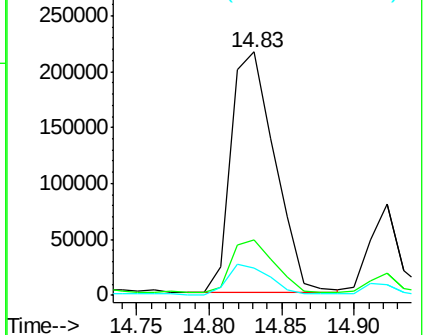
252 100

253 22.9 17.8 26.6

125 11.3 9.1 13.7



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: 11.23 ng

RT: 15.09 min Scan# 1138

Delta R.T. -0.06 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

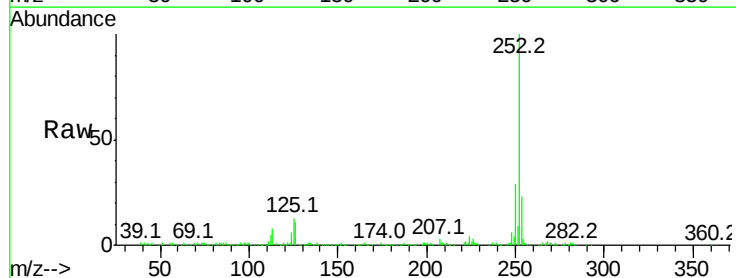
Tgt Ion:252 Resp: 204942

Ion Ratio Lower Upper

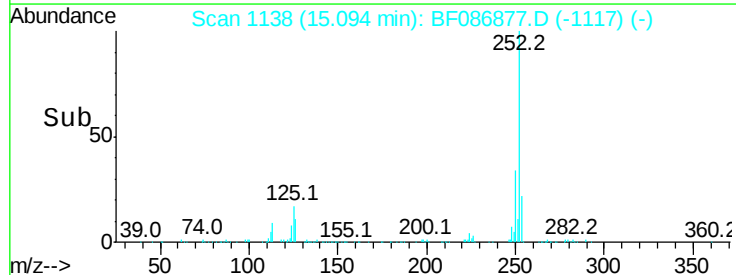
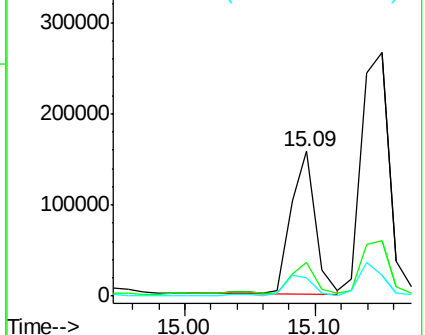
252 100

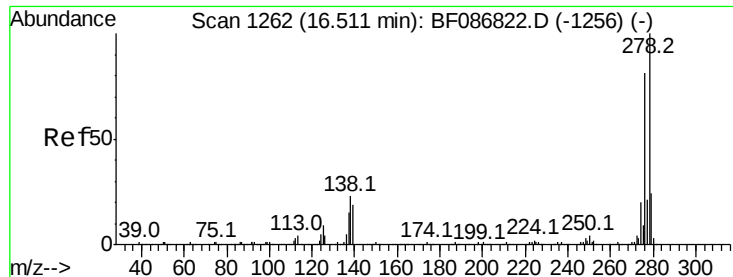
253 23.0 17.2 25.8

125 12.8 9.0 13.6



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: 2.18 ng

RT: 16.49 min Scan# 1260

Delta R.T. -0.02 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

Instrument :

BNA_F

ClientSampleId :

TEC-B1COMPDL

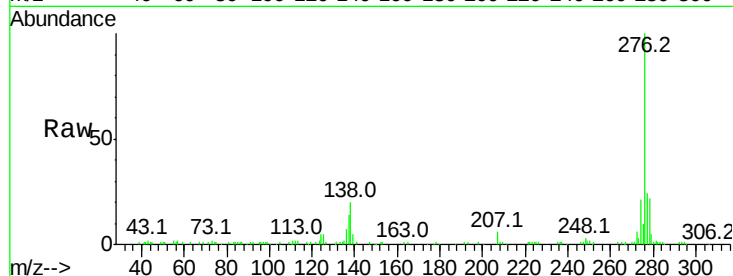
Tot Ion:278 Resp: 33586

Ion Ratio Lower Upper

278 100

139 24.2 16.6 24.8

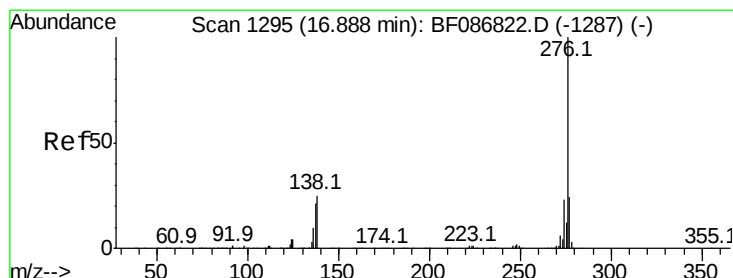
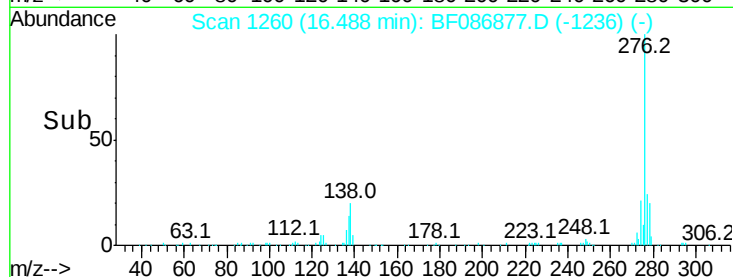
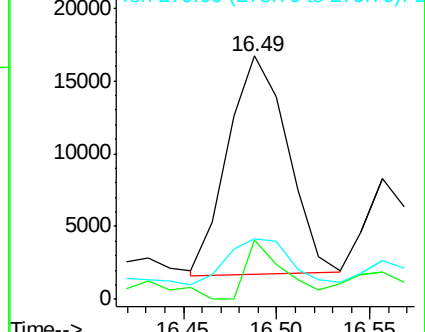
279 24.8 19.6 29.4



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: 10.07 ng

RT: 16.87 min Scan# 1293

Delta R.T. -0.02 min

Lab File: BF086877.D

Acq: 11 May 2016 3:16

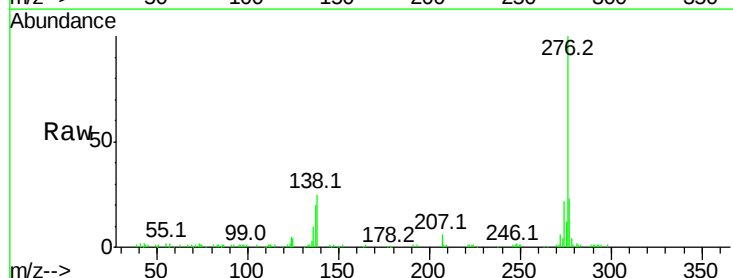
Tgt Ion:276 Resp: 157346

Ion Ratio Lower Upper

276 100

277 23.3 19.6 29.4

138 24.6 23.6 35.4



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

