

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050716\
 Data File : BF086811.D
 Acq On : 8 May 2016 9:07
 Operator : UM/SJ
 Sample : H2662-04DL 100X
 Misc :
 ALS Vial : 79 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPDL2

Quant Time: May 09 00:57:46 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF050416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 04 15:12:53 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	166743	40.00	ng	-0.03
21) Naphthalene-d8	8.00	136	676891	40.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	286007	40.00	ng	-0.05
63) Phenanthrene-d10	11.22	188	501838	40.00	ng	-0.03
75) Chrysene-d12	13.85	240	335643	40.00	ng	-0.03
86) Perylene-d12	15.22	264	303508	40.00	ng	-0.05

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	9058	0.90	ng	0.00
7) Phenol-d6	6.38	99	14487	1.07	ng	0.01
23) Nitrobenzene-d5	7.28	82	10140	0.77	ng	-0.03
41) 2,4,6-Tribromophenol	10.53	330	3058	1.09	ng	-0.03
44) 2-Fluorobiphenyl	9.07	172	22068	1.26	ng	-0.03
78) Terphenyl-d14	12.80	244	16386	0.99	ng	-0.05

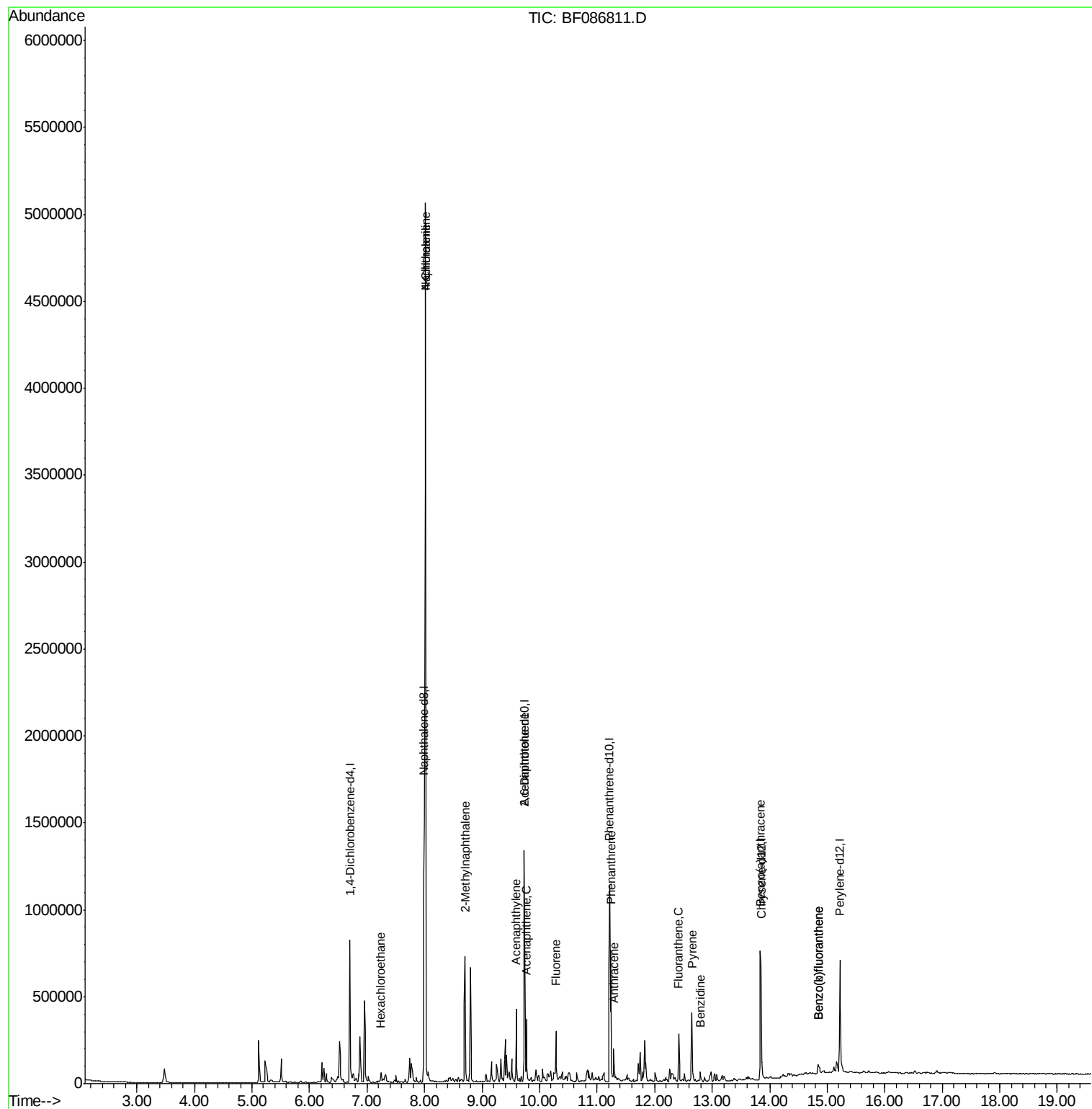
Target Compounds						Qvalue
18) Hexachloroethane	7.24	117	11171	2.23	ng	# 1
31) Naphthalene	8.02	128	2788654	80.64	ng	98
33) 4-Chloroaniline	8.02	127	392231	29.28	ng	# 37
37) 2-Methylnaphthalene	8.70	142	250537	12.28	ng	100
48) Acenaphthylene	9.60	152	138484	5.17	ng	97
50) 2,6-Dinitrotoluene	9.73	165	40752	8.91	ng	# 21
51) Acenaphthene	9.77	154	71753	4.06	ng	99
57) Fluorene	10.28	166	96328	5.43	ng	100
70) Phenanthrene	11.24	178	321098	11.91	ng	99
71) Anthracene	11.29	178	96055	3.40	ng	98
74) Fluoranthene	12.42	202	110480	4.09	ng	98
76) Benzidine	12.80	184	246	7.12	ng	# 64
77) Pyrene	12.65	202	156362	5.84	ng	99
80) Benzo(a)anthracene	13.84	228	39707	2.09	ng	# 73
87) Benzo(b)fluoranthene	14.84	252	36762	2.02	ng	98
88) Benzo(k)fluoranthene	14.84	252	36762	2.14	ng	# 96

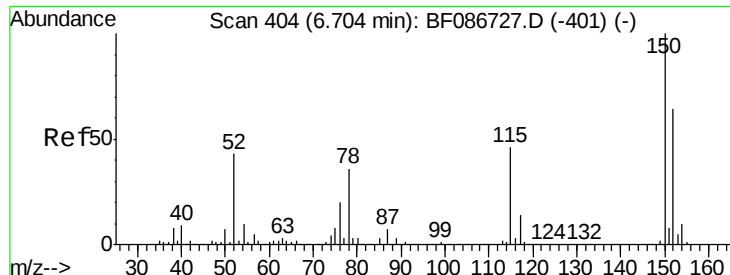
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 40.00 ng

RT: 6.70 min Scan# 404

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

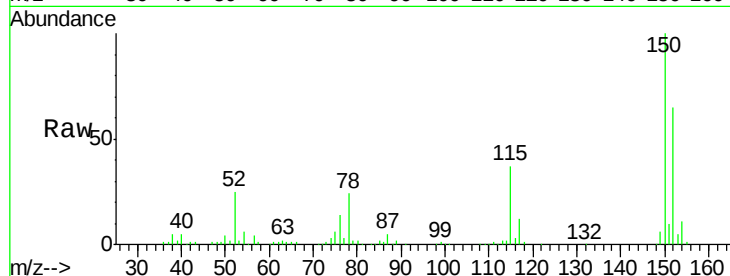
Tgt Ion:152 Resp: 166743

Ion Ratio Lower Upper

152 100

150 154.8 125.8 188.6

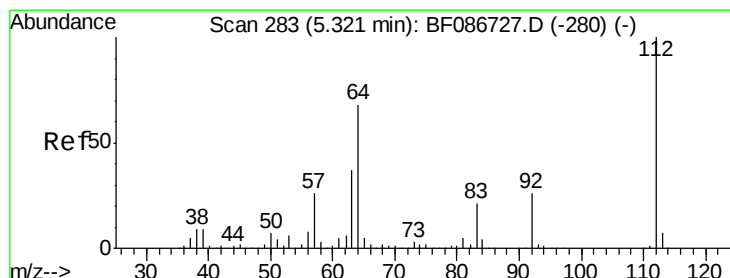
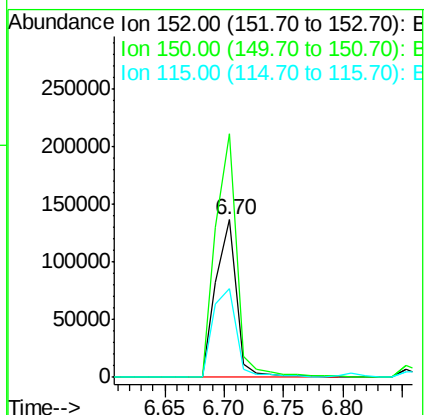
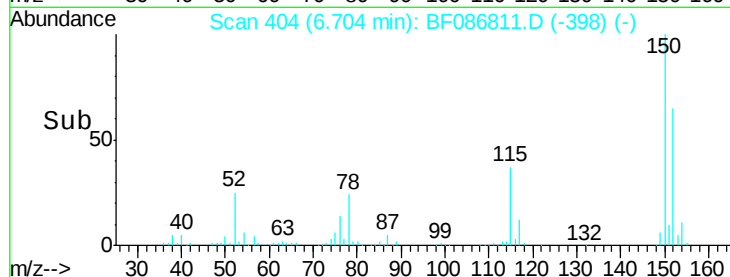
115 56.7 51.5 77.3



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: 0.90 ng

RT: 5.32 min Scan# 283

Delta R.T. 0.00 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

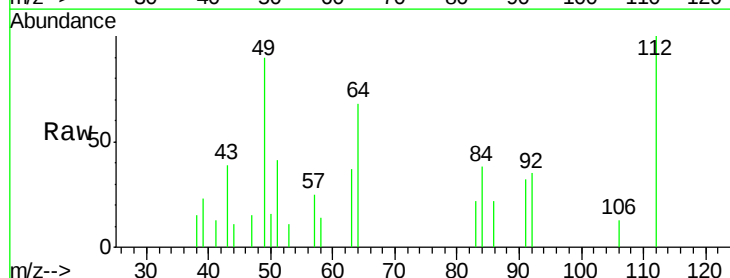
Tgt Ion:112 Resp: 9058

Ion Ratio Lower Upper

112 100

64 67.7 52.1 78.1

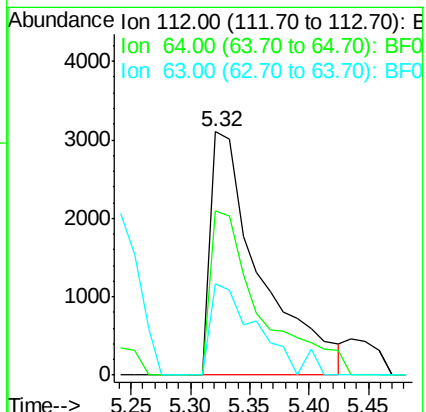
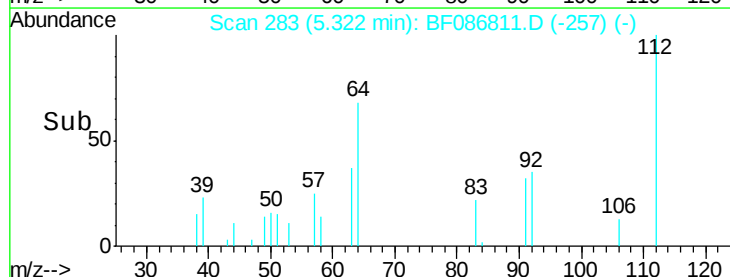
63 37.4 25.7 38.5

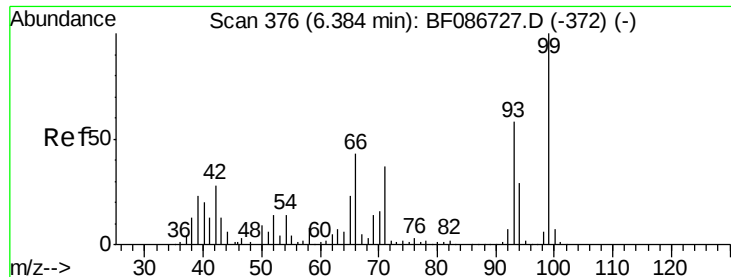


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 1.07 ng

RT: 6.38 min Scan# 376

Delta R.T. 0.01 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

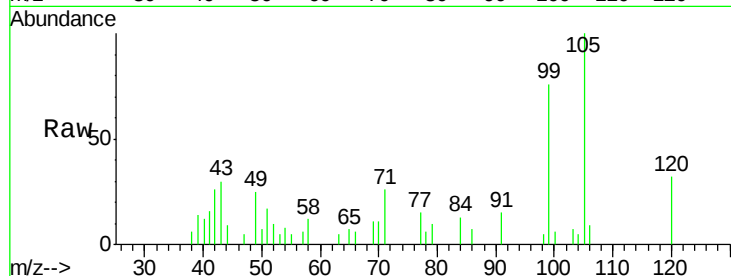
Tgt Ion: 99 Resp: 14487

Ion Ratio Lower Upper

99 100

42 33.9 13.6 20.4#

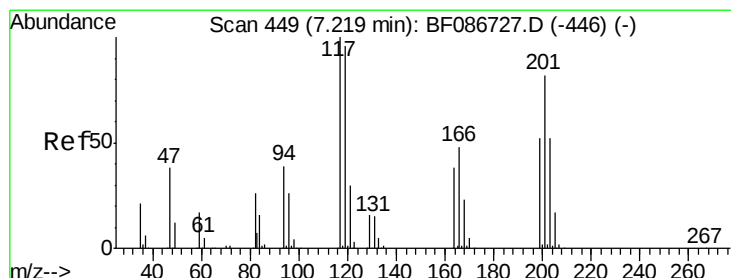
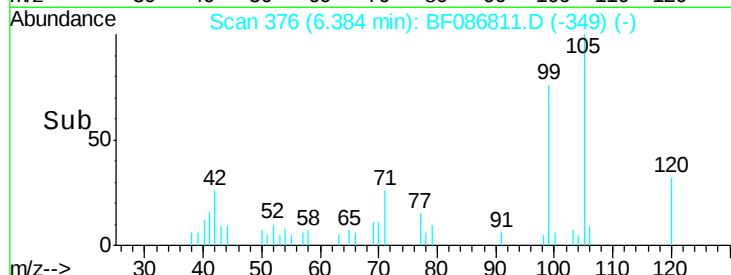
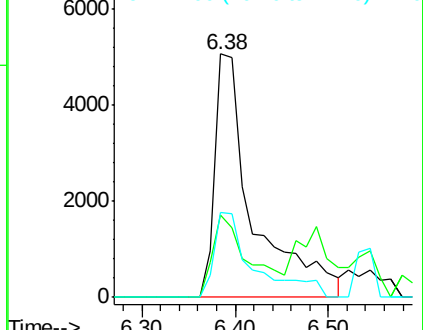
71 35.0 24.6 36.8



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



#18

Hexachloroethane

Concen: 2.23 ng

RT: 7.24 min Scan# 451

Delta R.T. -0.01 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

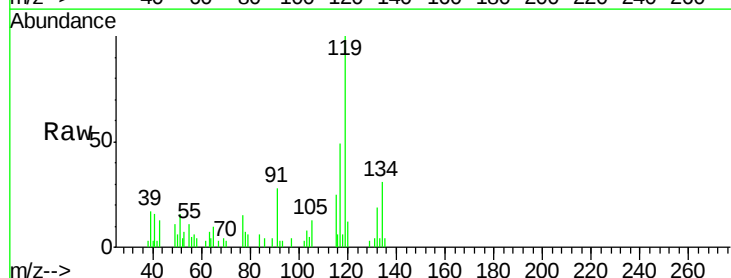
Tgt Ion: 117 Resp: 11171

Ion Ratio Lower Upper

117 100

119 203.1 76.5 114.7#

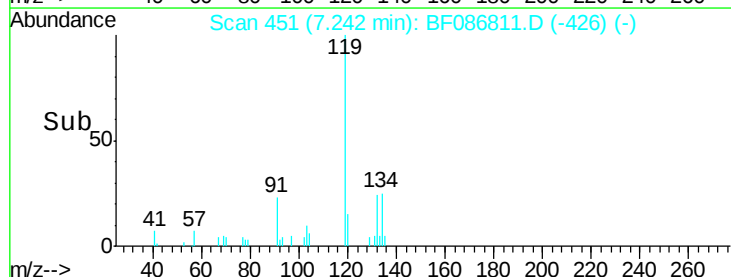
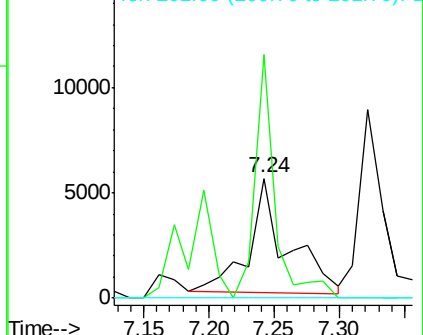
201 0.0 63.0 94.6#

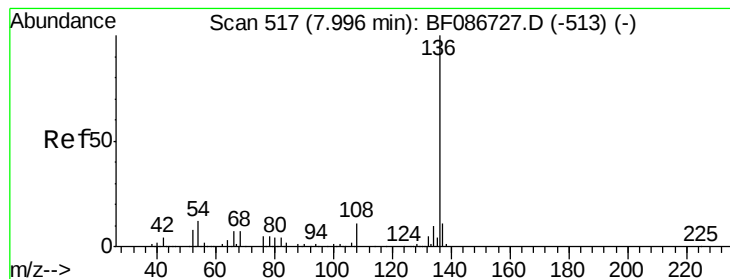


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 40.00 ng

RT: 8.00 min Scan# 517

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

Tgt Ion:136 Resp: 676891

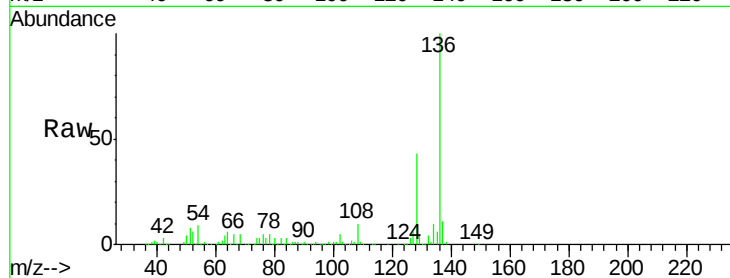
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 9.2 5.0 7.4#

68 5.4 4.4 6.6

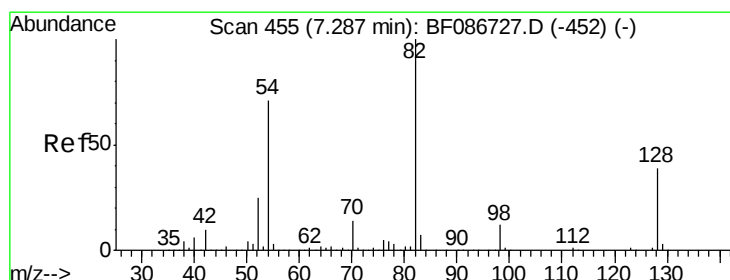
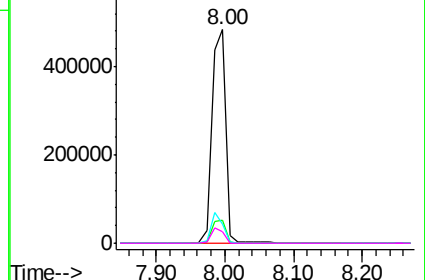
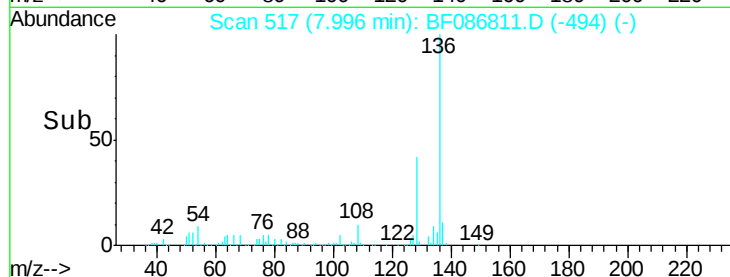


Abundance Ion 136.00 (135.70 to 136.70): E

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: 0.77 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

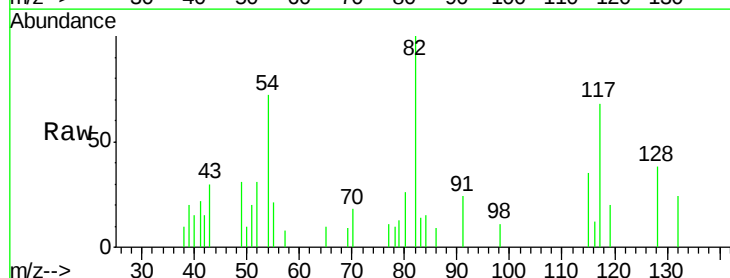
Tgt Ion: 82 Resp: 10140

Ion Ratio Lower Upper

82 100

128 37.8 40.6 61.0#

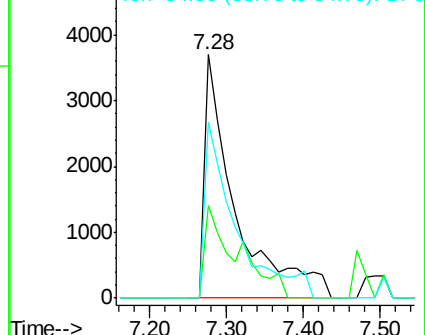
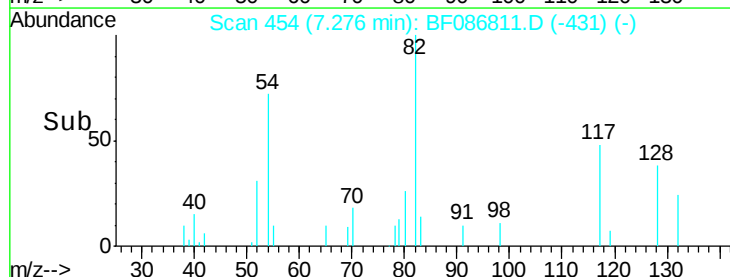
54 72.3 38.1 57.1#

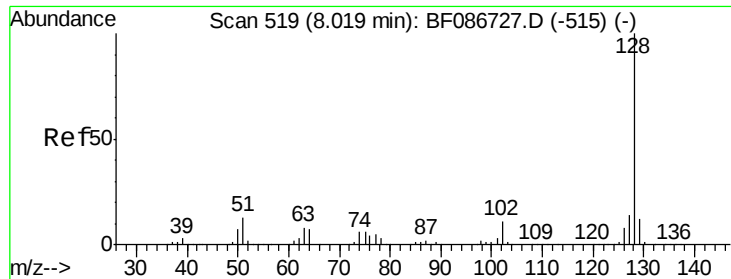


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

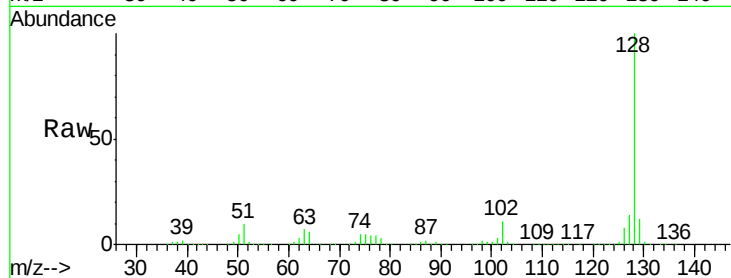




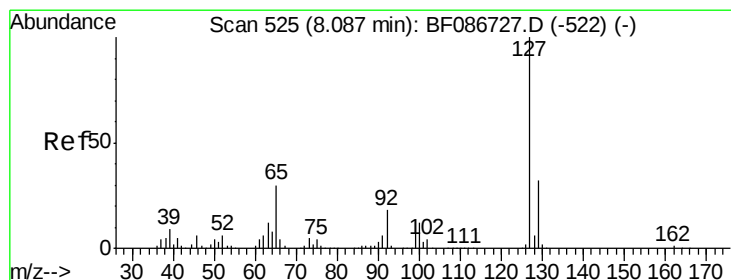
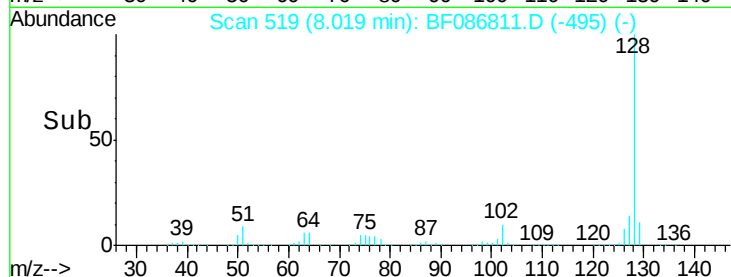
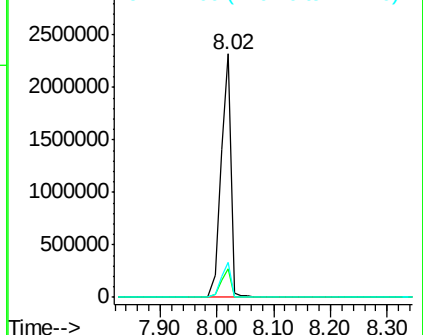
#31
Naphthalene
Concen: 80.64 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Instrument :
BNA_F
ClientSampleId :
TEC-B3COMPDL2

Tgt Ion:128 Resp: 2788654
Ion Ratio Lower Upper
128 100
129 11.6 8.6 13.0
127 14.5 10.8 16.2

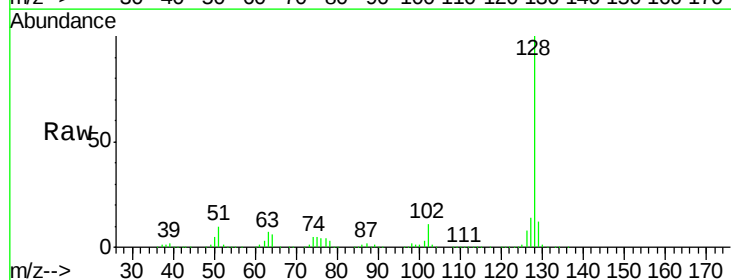


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

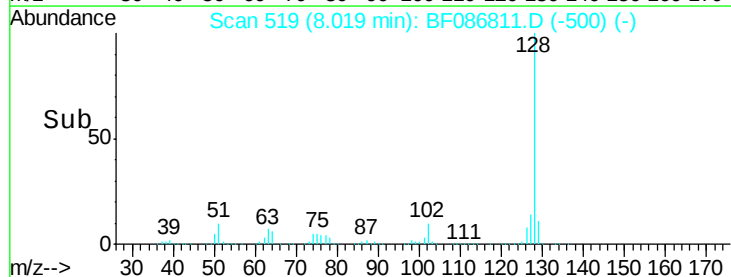
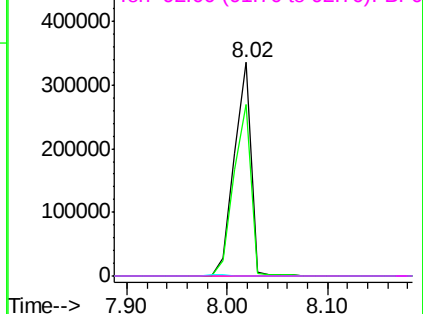


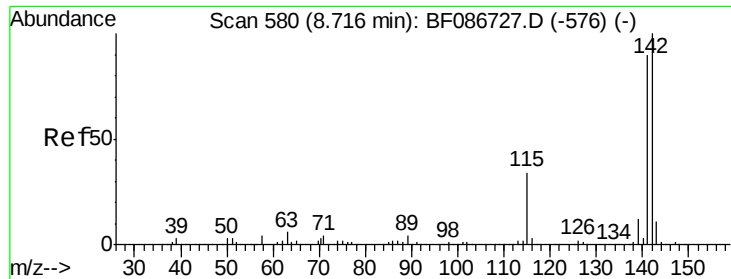
#33
4-Chloroaniline
Concen: 29.28 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.08 min
Lab File: BF086811.D
Acq: 8 May 2016 9:07

Tgt Ion:127 Resp: 392231
Ion Ratio Lower Upper
127 100
129 80.1 26.2 39.4#
65 0.0 23.0 34.4#
92 0.0 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

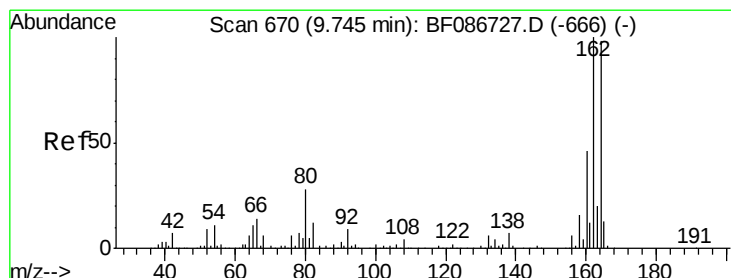
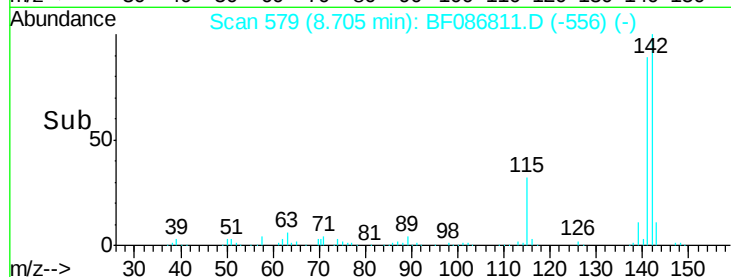
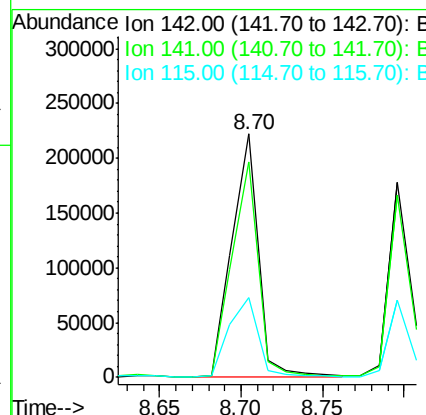
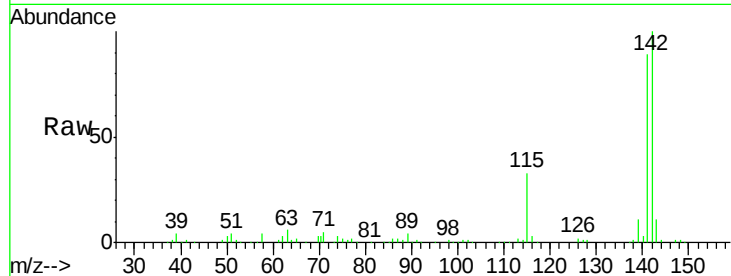




#37
 2-Methylnaphthalene
 Concen: 12.28 ng
 RT: 8.70 min Scan# 579
 Delta R.T. -0.03 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

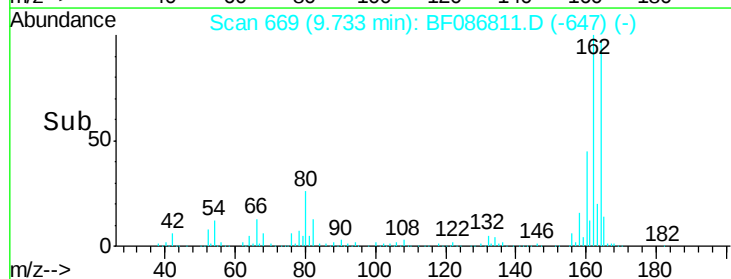
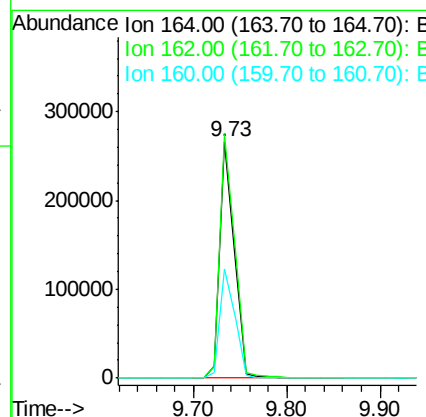
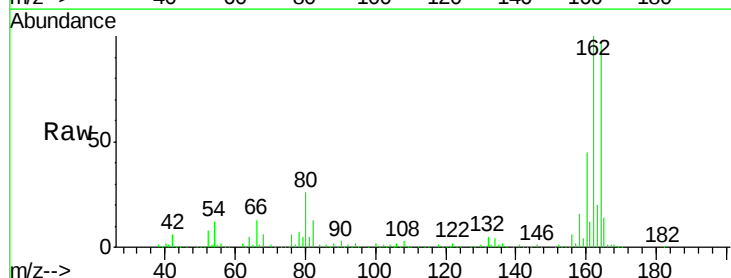
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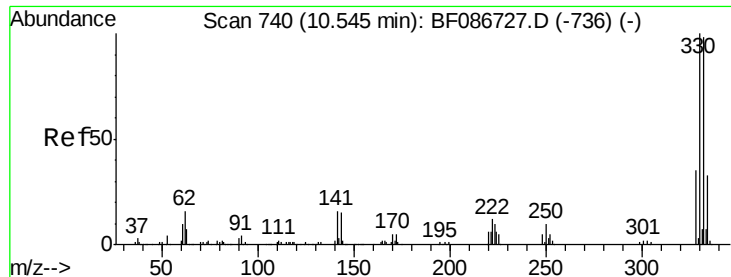
Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.0	106.6
115	32.5	26.6	39.8



#38
 Acenaphthene-d10
 Concen: 40.00 ng
 RT: 9.73 min Scan# 669
 Delta R.T. -0.05 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.0	82.8	124.2
160	46.0	36.9	55.3

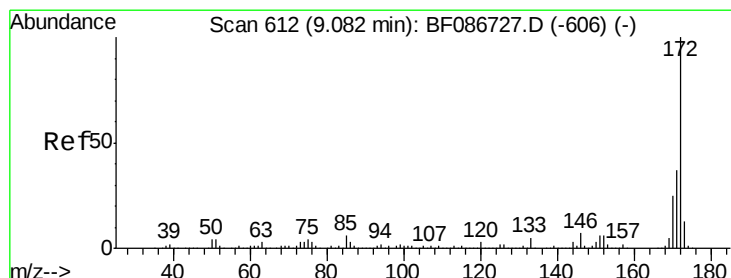
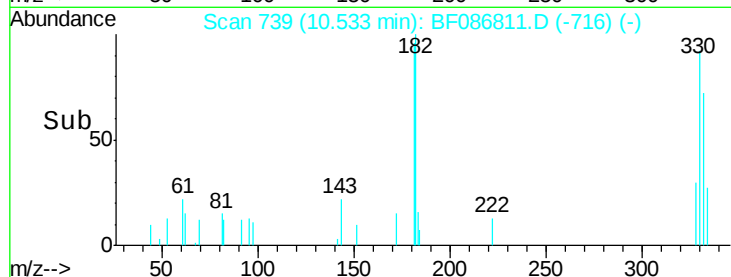
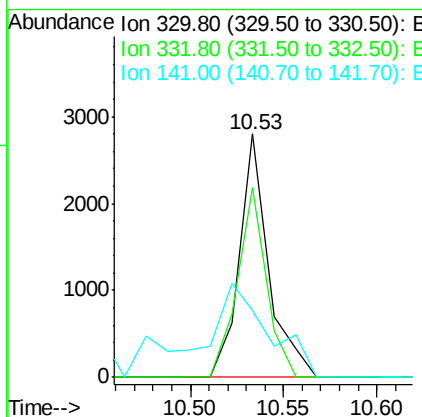
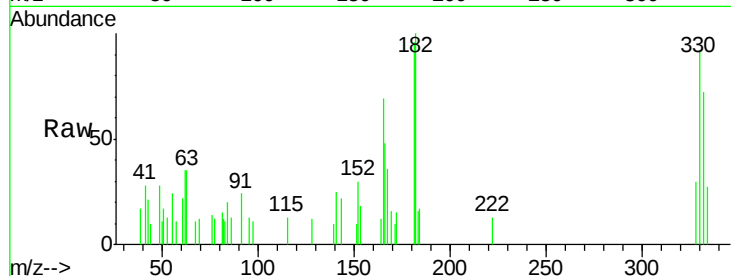




#41
 2,4,6-Tribromophenol
 Concen: 1.09 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.03 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

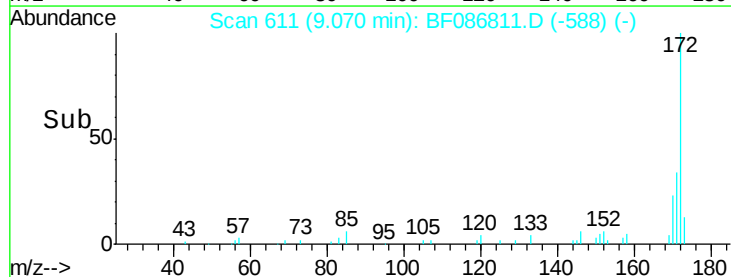
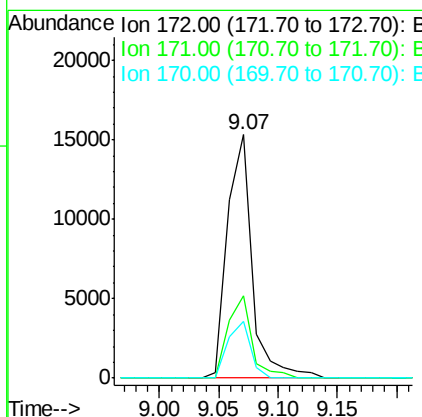
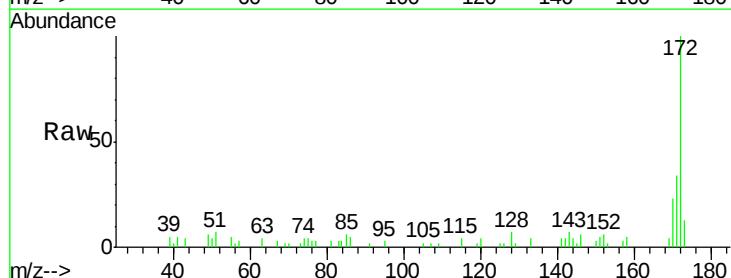
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B3COMPDL2

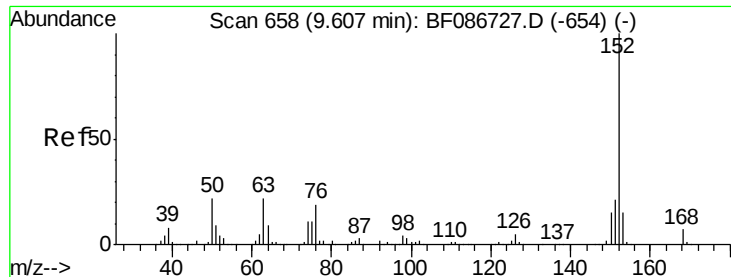
Tgt Ion: 330 Resp: 3058
 Ion Ratio Lower Upper
 330 100
 332 77.5 79.0 118.4#
 141 92.9 31.2 46.8#



#44
 2-Fluorobiphenyl
 Concen: 1.26 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.03 min
 Lab File: BF086811.D
 Acq: 8 May 2016 9:07

Tgt Ion: 172 Resp: 22068
 Ion Ratio Lower Upper
 172 100
 171 33.9 29.0 43.6
 170 23.5 19.8 29.8





#48

Acenaphthylene

Concen: 5.17 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.05 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

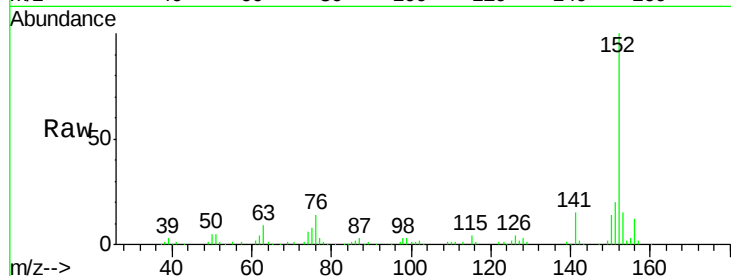
Tgt Ion:152 Resp: 138484

Ion Ratio Lower Upper

152 100

151 19.7 16.8 25.2

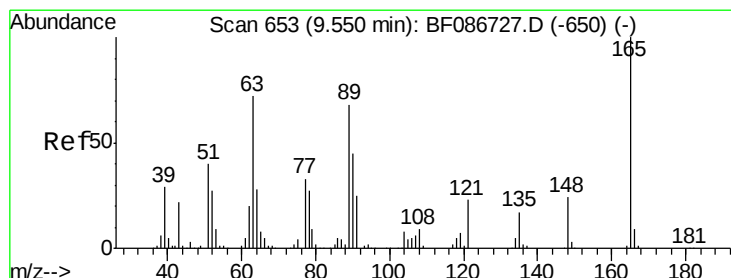
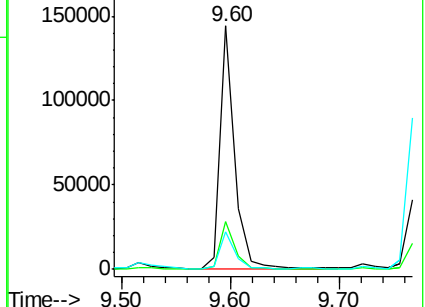
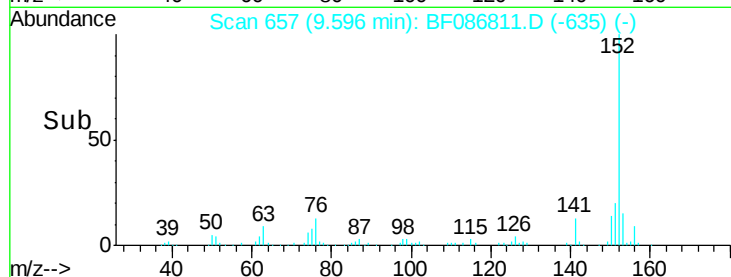
153 15.3 10.9 16.3



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



#50

2,6-Dinitrotoluene

Concen: 8.91 ng

RT: 9.73 min Scan# 669

Delta R.T. 0.16 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

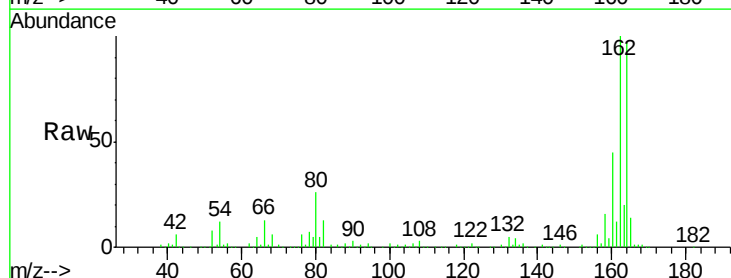
Tgt Ion:165 Resp: 40752

Ion Ratio Lower Upper

165 100

63 2.6 51.8 77.8#

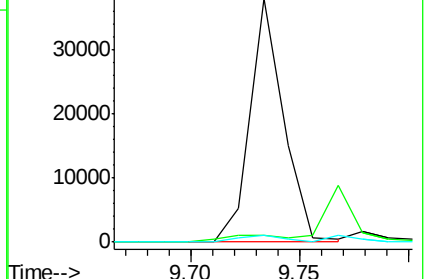
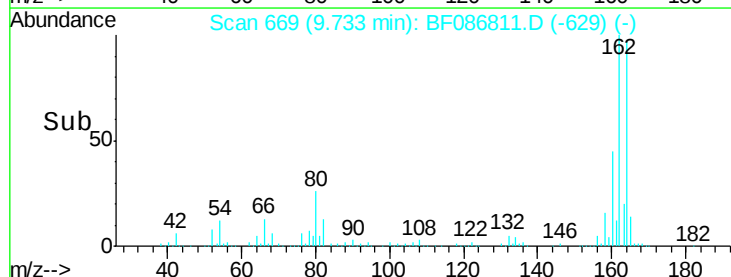
89 2.6 50.7 76.1#

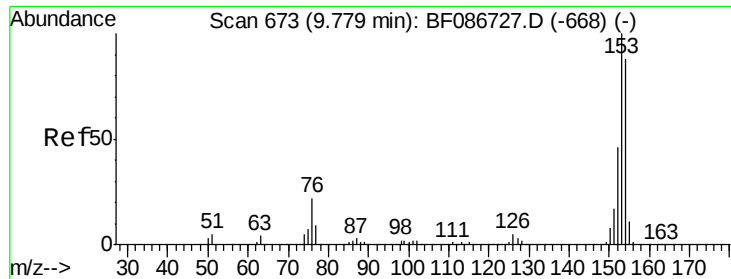


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 4.06 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

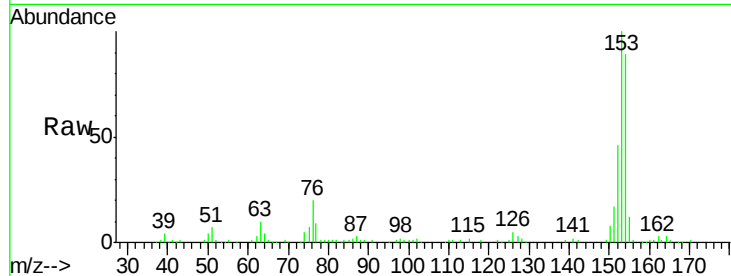
Tgt Ion:154 Resp: 71753

Ion Ratio Lower Upper

154 100

153 112.0 89.8 134.6

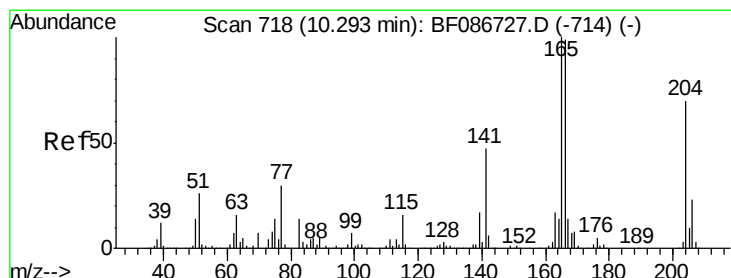
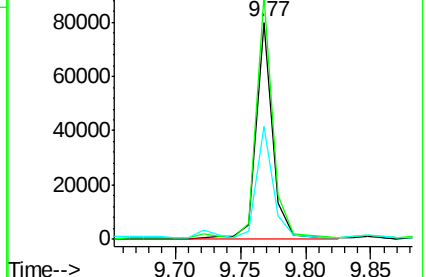
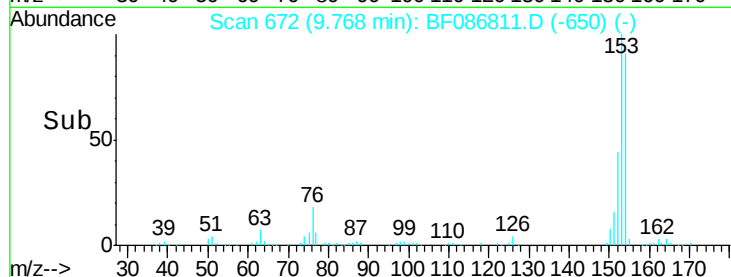
152 51.8 43.4 65.0



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



#57

Fluorene

Concen: 5.43 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.05 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

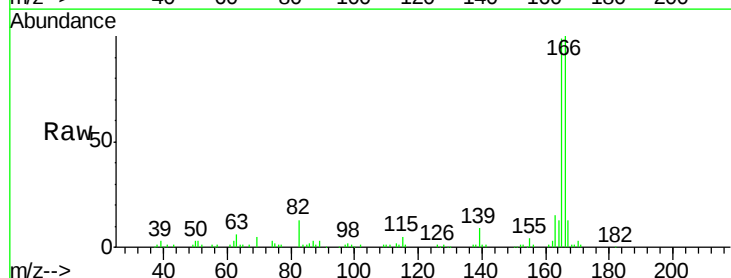
Tgt Ion:166 Resp: 96328

Ion Ratio Lower Upper

166 100

165 99.0 79.0 118.6

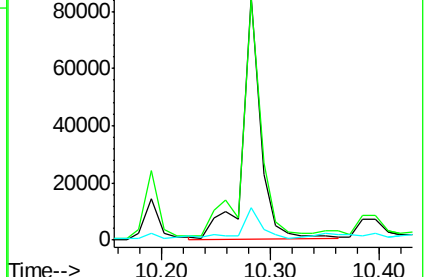
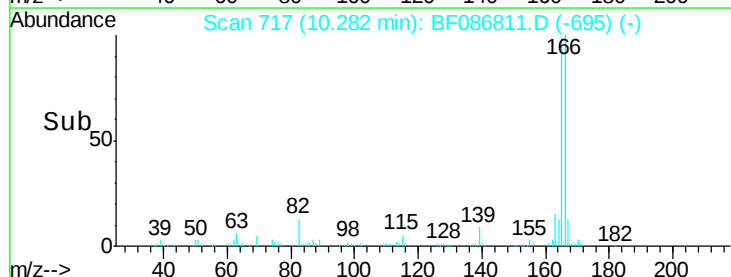
167 13.4 10.6 15.8

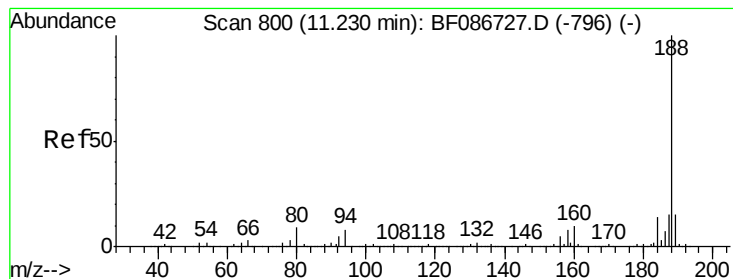


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 40.00 ng

RT: 11.22 min Scan# 799

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

Instrument :

BNA_F

ClientSampleId :

TEC-B3COMPDL2

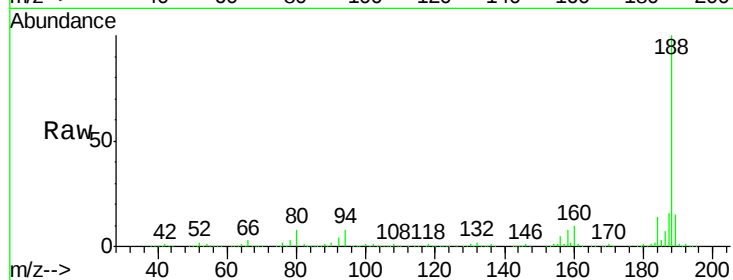
Tgt Ion:188 Resp: 501838

Ion Ratio Lower Upper

188 100

94 7.9 6.8 10.2

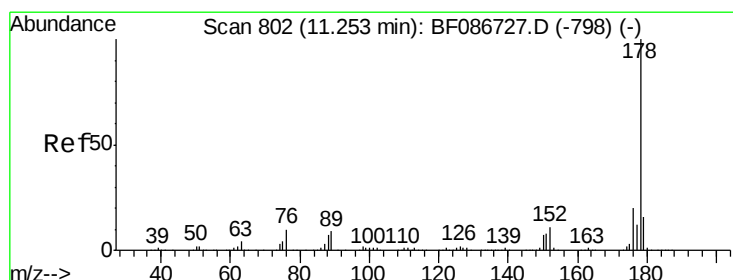
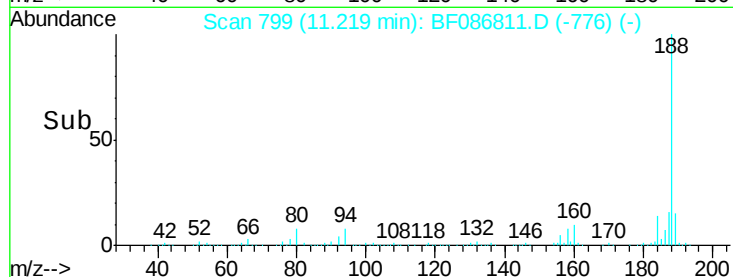
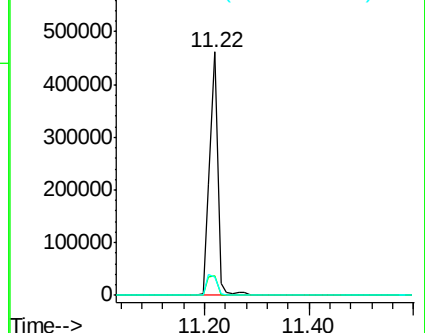
80 7.8 7.1 10.7



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



#70

Phenanthrene

Concen: 11.91 ng

RT: 11.24 min Scan# 801

Delta R.T. -0.03 min

Lab File: BF086811.D

Acq: 8 May 2016 9:07

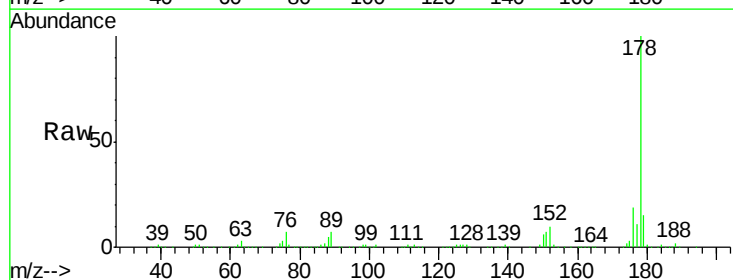
Tgt Ion:178 Resp: 321098

Ion Ratio Lower Upper

178 100

176 19.5 16.0 24.0

179 15.1 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

