

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070616\
 Data File : BF088768.D
 Acq On : 7 Jul 2016 7:42
 Operator : UM/SJ
 Sample : H3849-05DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F12-B1(5-11)CDL

Quant Time: Jul 07 08:26:54 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 07 01:24:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	85067	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	305438	20.00	ng	0.00
38) Acenaphthene-d10	9.78	164	143961	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	221951	20.00	ng	0.00
75) Chrysene-d12	13.89	240	164866	20.00	ng	0.00
86) Perylene-d12	15.27	264	158036	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	132252	23.30	ng	-0.01
7) Phenol-d6	6.38	99	176653	24.09	ng	-0.01
23) Nitrobenzene-d5	7.31	82	116031	19.91	ng	-0.01
41) 2,4,6-Tribromophenol	10.57	330	27677	20.70	ng	0.00
44) 2-Fluorobiphenyl	9.11	172	189847	20.83	ng	-0.01
78) Terphenyl-d14	12.83	244	122858	16.60	ng	-0.01

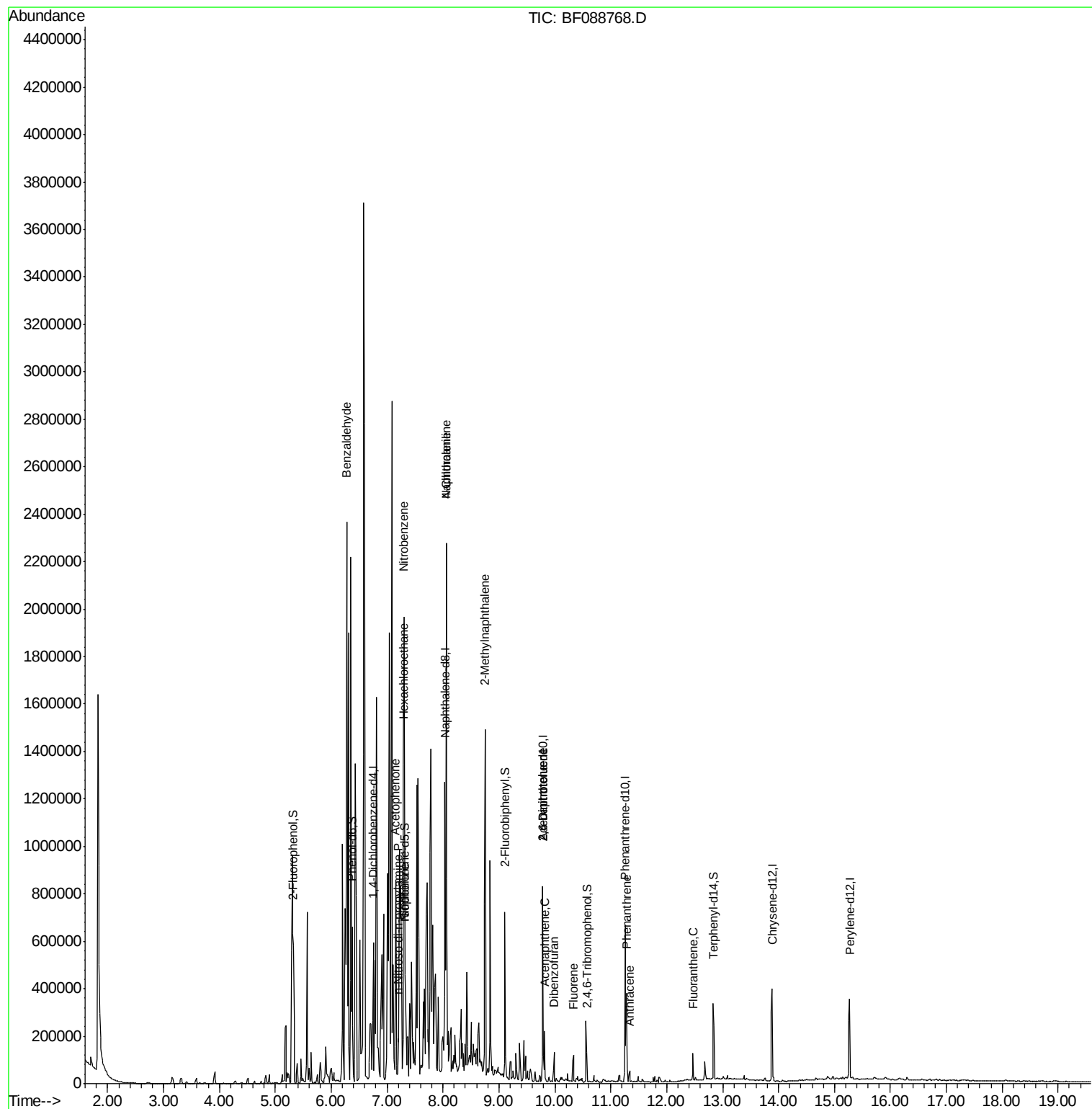
Target Compounds						Qvalue
9) Benzaldehyde	6.27	77	229025	46.10	ng	# 1
18) Hexachloroethane	7.29	117	117971	45.77	ng	# 1
19) n-Nitroso-di-n-propylamine	7.20	70	11820	2.40	ng	# 50
22) Acetophenone	7.15	105	264140	35.63	ng	# 62
24) Nitrobenzene	7.30	77	81414	13.85	ng	# 18
25) Isophorone	7.31	82	97543	9.03	ng	# 65
31) Naphthalene	8.06	128	808129	53.67	ng	99
33) 4-Chloroaniline	8.06	127	119445	17.83	ng	# 37
37) 2-Methylnaphthalene	8.75	142	460933	47.54	ng	# 96
50) 2,6-Dinitrotoluene	9.78	165	20348	8.95	ng	# 40
51) Acenaphthene	9.82	154	43598	4.78	ng	97
54) Dibenzofuran	9.99	168	43675	3.66	ng	94
56) 2,4-Dinitrotoluene	9.78	165	20348	6.85	ng	# 38
57) Fluorene	10.33	166	43808	4.76	ng	96
70) Phenanthrene	11.28	178	123523	10.18	ng	98
71) Anthracene	11.34	178	24389	2.02	ng	98
74) Fluoranthene	12.47	202	42271	3.44	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

Instrument :

BNA_F

ClientSampleId :

F12-B1(5-11)CDL

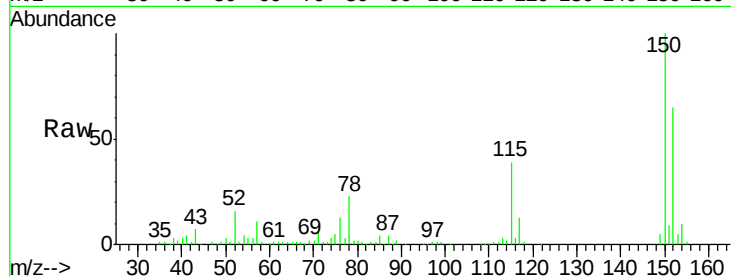
Tgt Ion:152 Resp: 85067

Ion Ratio Lower Upper

152 100

150 153.5 123.8 185.6

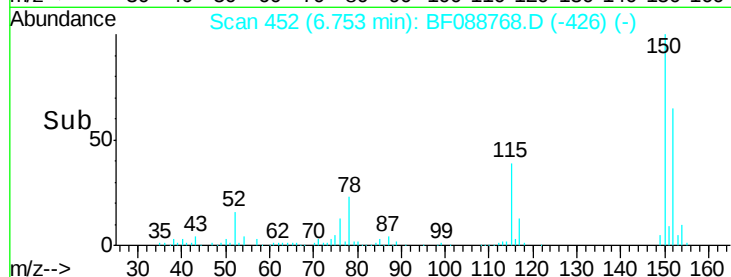
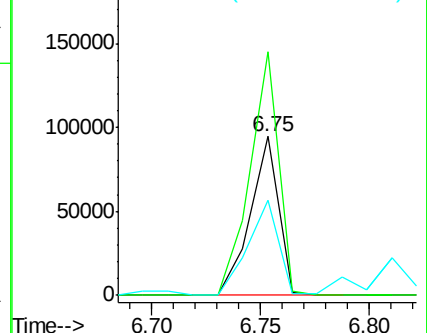
115 60.1 39.6 59.4#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 23.30 ng

RT: 5.32 min Scan# 327

Delta R.T. -0.01 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

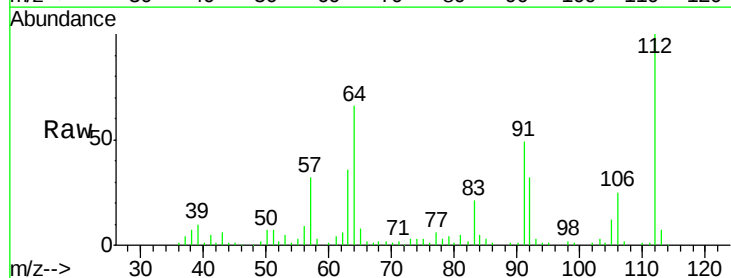
Tgt Ion:112 Resp: 132252

Ion Ratio Lower Upper

112 100

64 66.4 42.2 63.2#

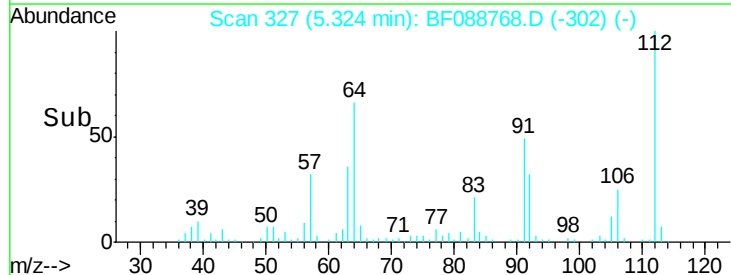
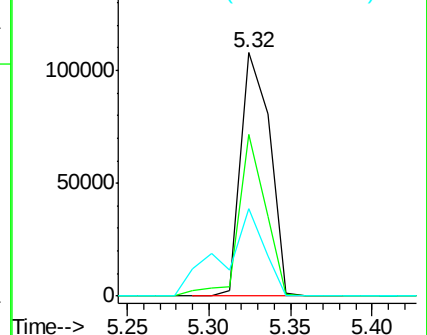
63 35.7 21.8 32.8#



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.09 ng

RT: 6.38 min Scan# 419

Delta R.T. -0.01 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

Instrument :

BNA_F

ClientSampleId :

F12-B1(5-11)CDL

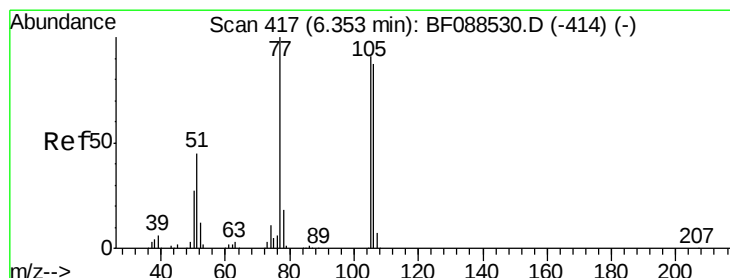
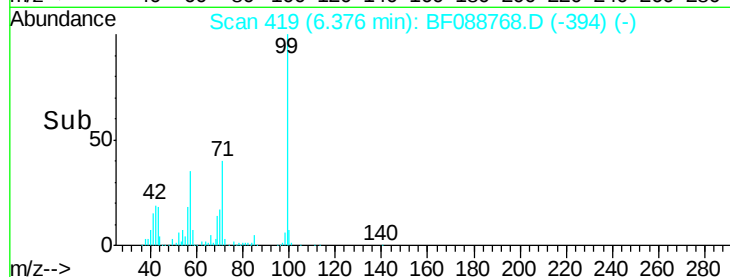
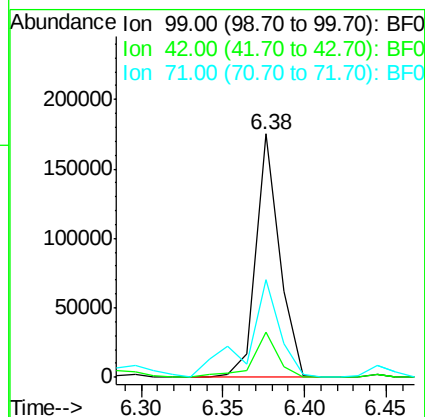
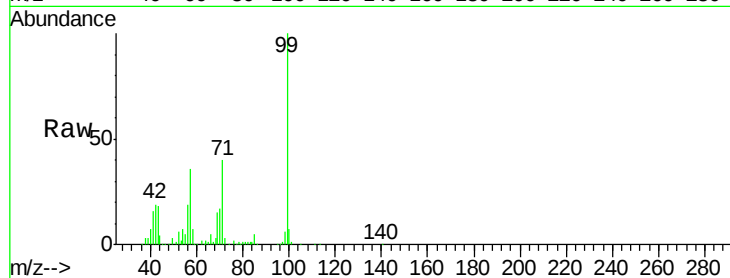
Tgt Ion: 99 Resp: 176653

Ion Ratio Lower Upper

99 100

42 18.7 12.2 18.2#

71 39.9 23.4 35.0#



#9

Benzaldehyde

Concen: 46.10 ng

RT: 6.27 min Scan# 410

Delta R.T. -0.02 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

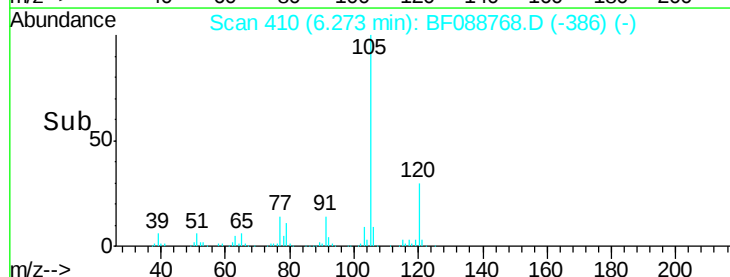
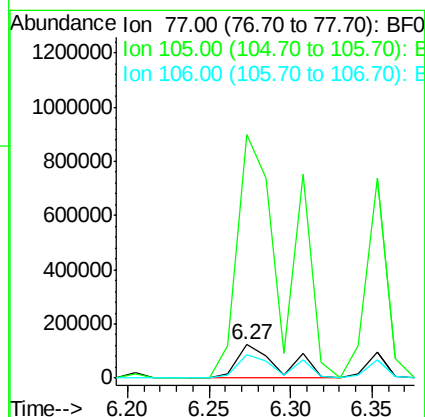
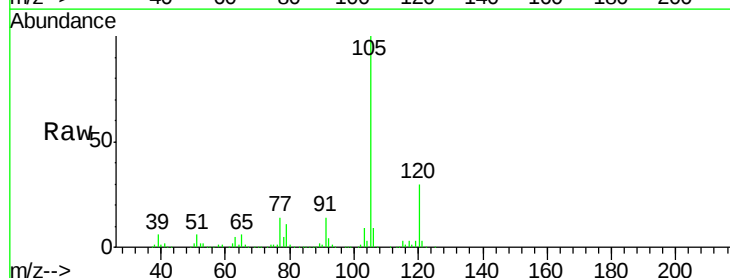
Tgt Ion: 77 Resp: 229025

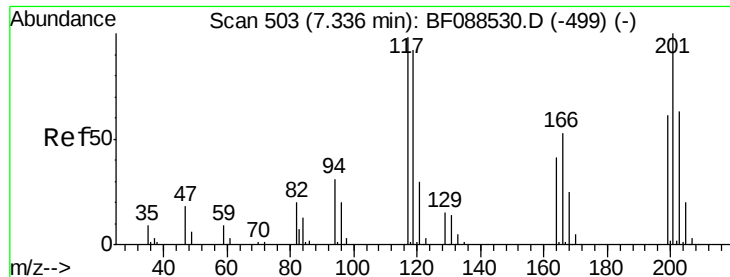
Ion Ratio Lower Upper

77 100

105 733.1 90.6 130.6#

106 68.8 85.3 125.3#

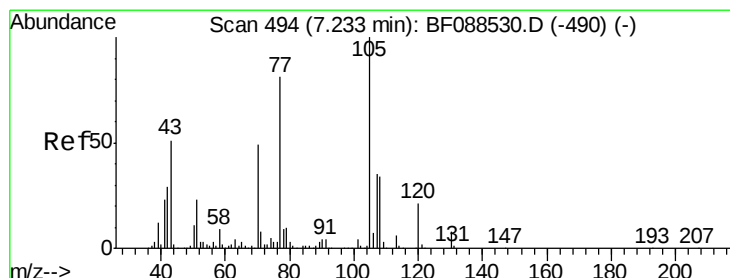
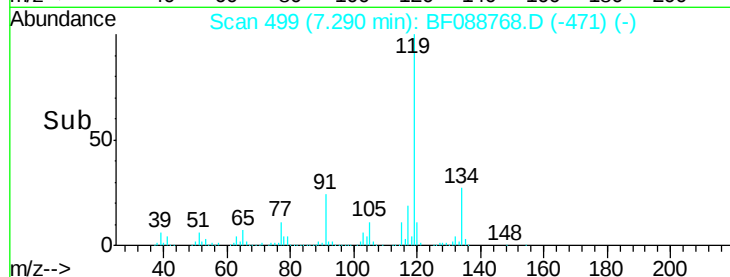
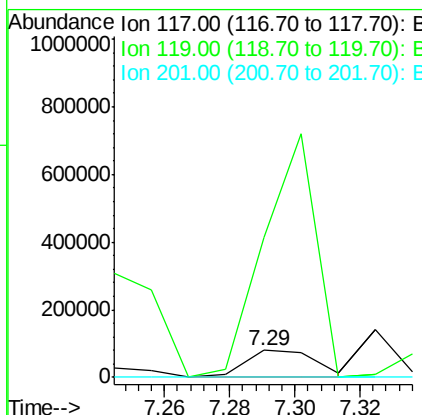
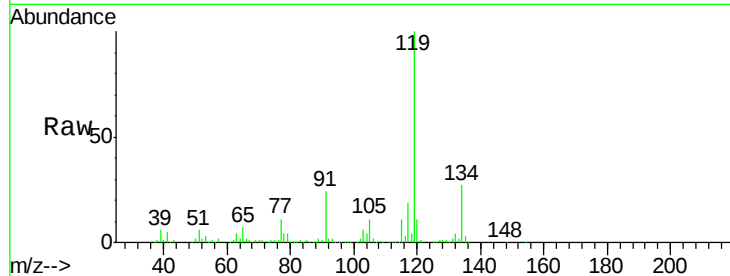




#18
Hexachloroethane
Concen: 45.77 ng
RT: 7.29 min Scan# 499
Delta R.T. 0.02 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

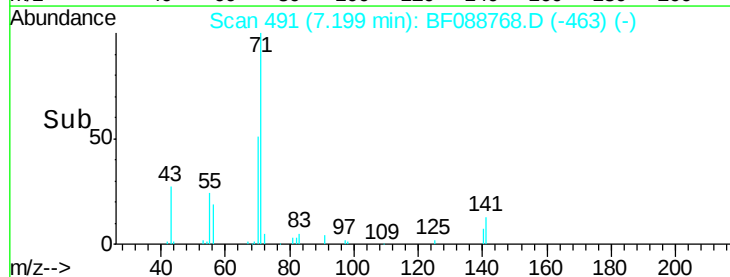
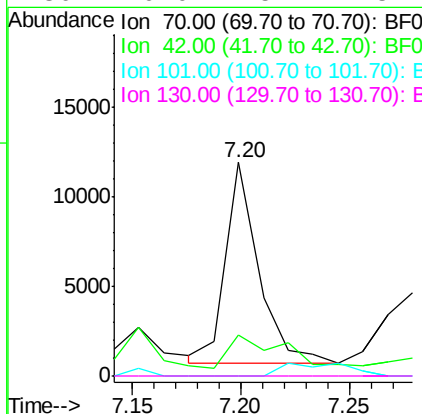
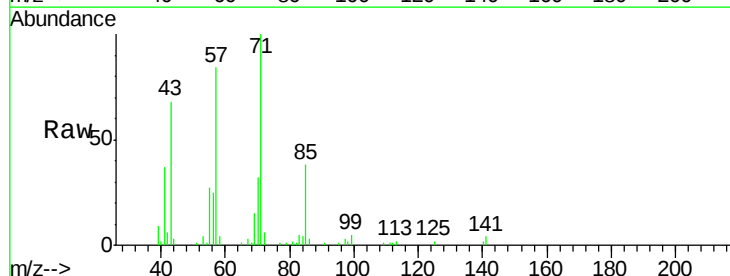
Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

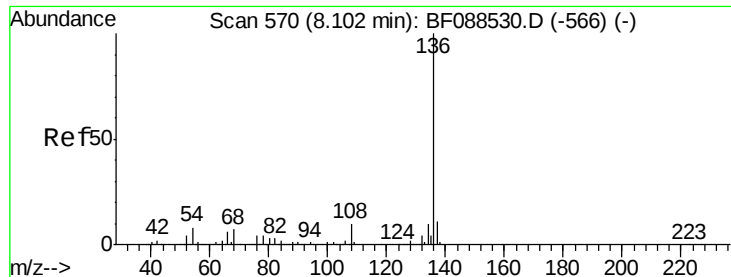
Tgt Ion:117 Resp: 117971
Ion Ratio Lower Upper
117 100
119 523.6 77.4 116.2#
201 0.0 80.4 120.6#



#19
n-Nitroso-di-n-propylamine
Concen: 2.40 ng
RT: 7.20 min Scan# 491
Delta R.T. 0.02 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion: 70 Resp: 11820
Ion Ratio Lower Upper
70 100
42 19.2 49.6 74.4#
101 0.0 7.1 10.7#
130 0.0 15.4 23.2#

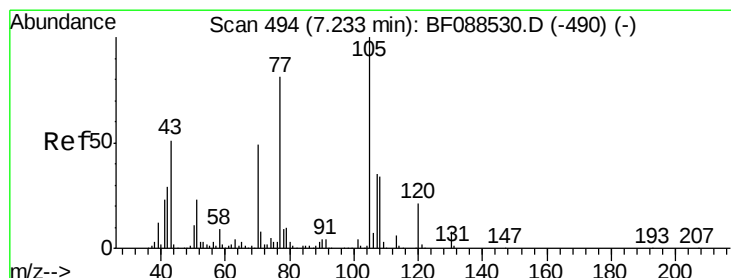
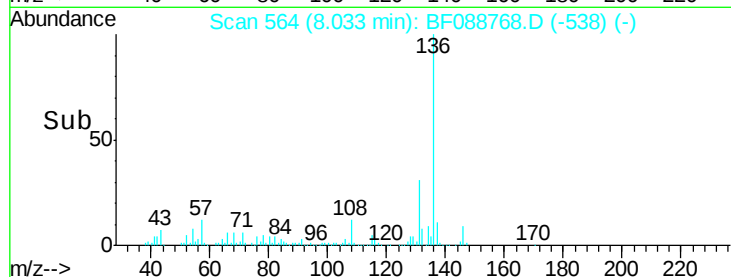
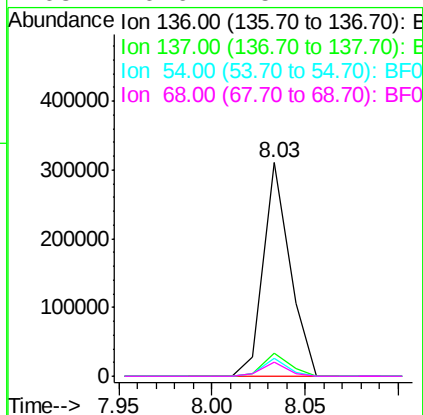
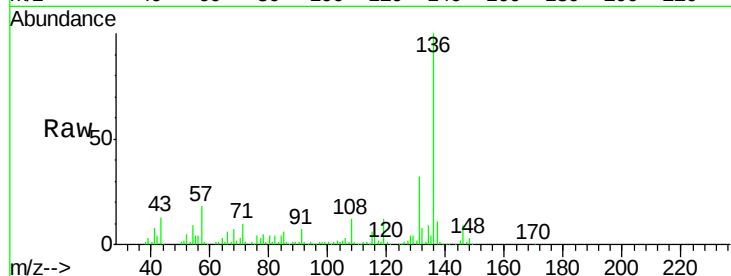




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

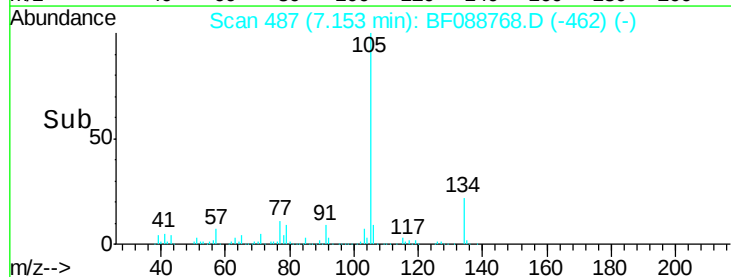
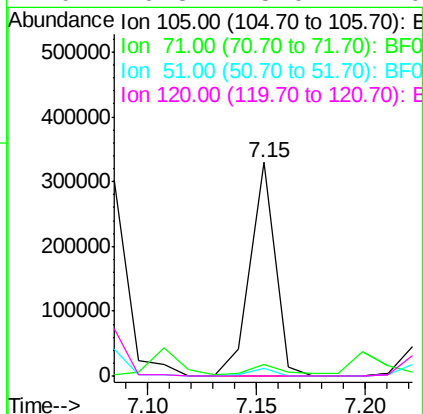
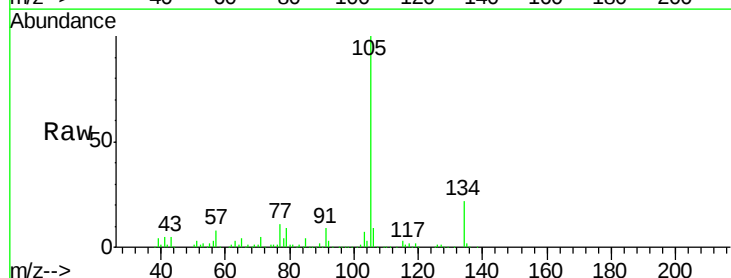
Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

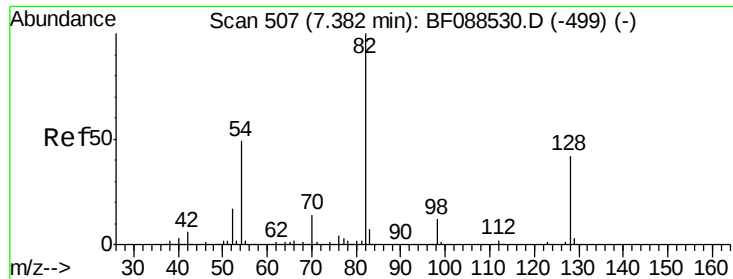
Tgt Ion:	136	Resp:	305438
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.5	6.6	10.0
68	6.6	5.1	7.7



#22
Acetophenone
Concen: 35.63 ng
RT: 7.15 min Scan# 487
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:	105	Resp:	264140
Ion	Ratio	Lower	Upper
105	100		
71	5.2	5.3	7.9#
51	3.3	18.2	27.4#
120	0.3	18.0	27.0#

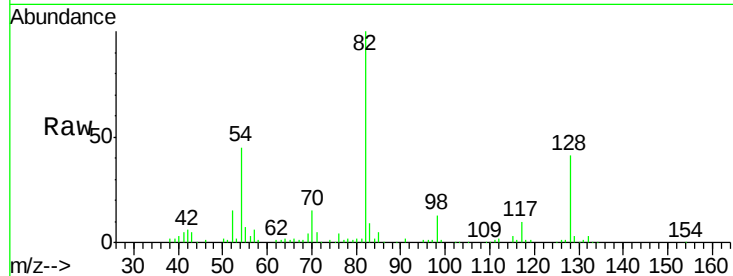




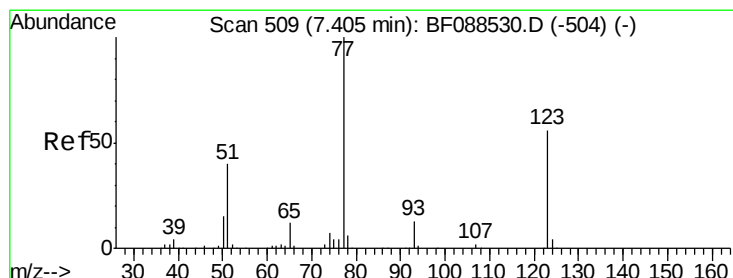
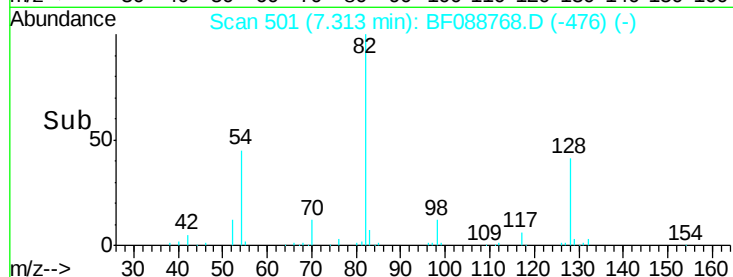
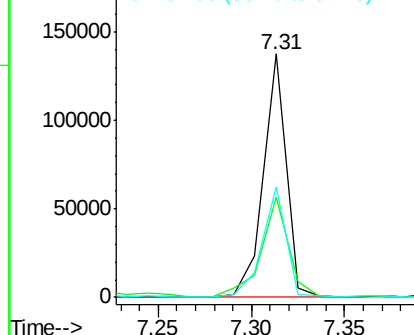
#23
Nitrobenzene-d5
Concen: 19.91 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Tgt Ion: 82 Resp: 116031
Ion Ratio Lower Upper
82 100
128 41.3 35.9 53.9
54 45.2 40.9 61.3

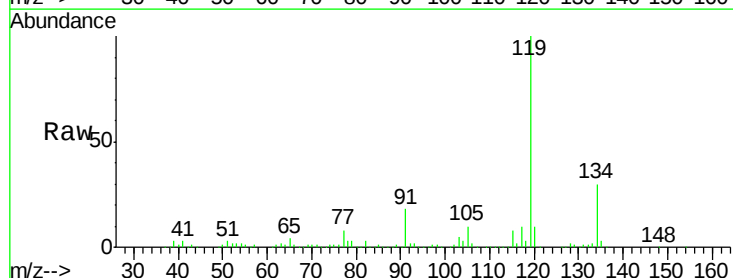


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF0

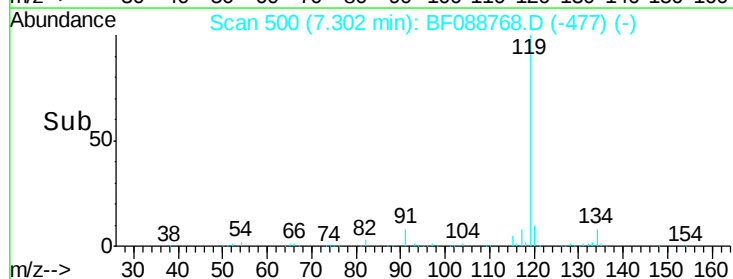
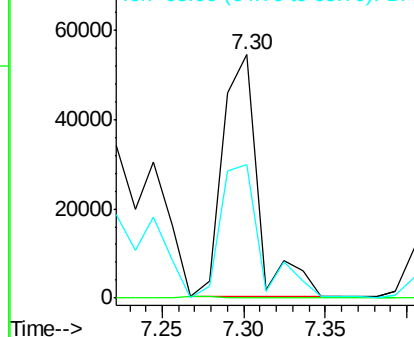


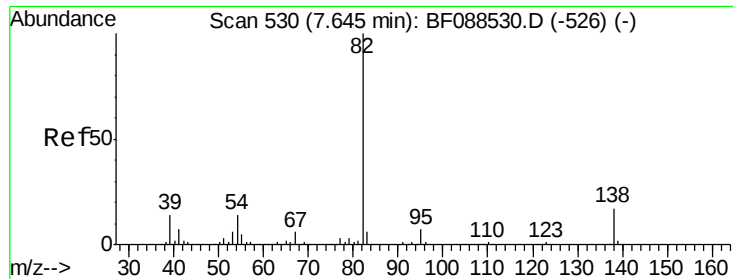
#24
Nitrobenzene
Concen: 13.85 ng
RT: 7.30 min Scan# 500
Delta R.T. -0.03 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion: 77 Resp: 81414
Ion Ratio Lower Upper
77 100
123 0.0 45.0 67.4#
65 55.0 10.2 15.2#



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 123.00 (122.70 to 123.70): B
Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 9.03 ng

RT: 7.31 min Scan# 501

Delta R.T. -0.26 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

Instrument :

BNA_F

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F12-B1(5-11)CDL

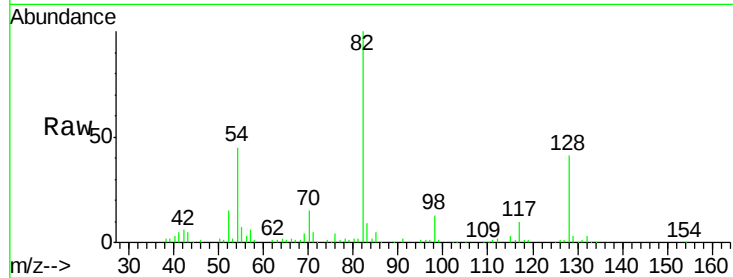
Tgt Ion: 82 Resp: 97543

Ion Ratio Lower Upper

82 100

95 0.5 5.4 8.2#

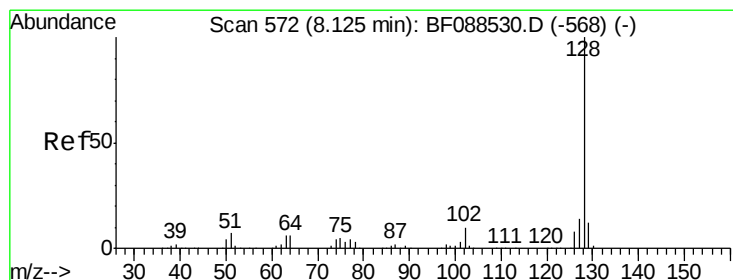
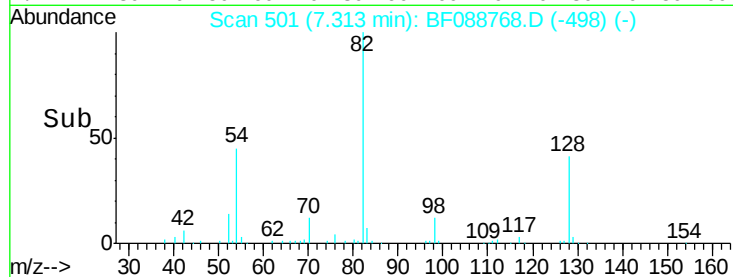
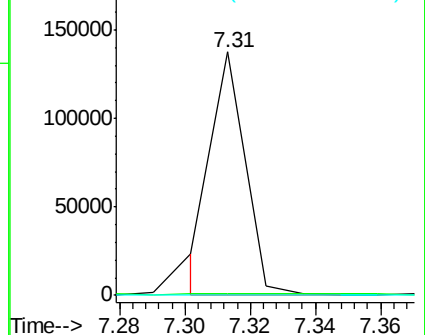
138 0.0 14.6 21.8#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0



#31

Naphthalene

Concen: 53.67 ng

RT: 8.06 min Scan# 566

Delta R.T. -0.00 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

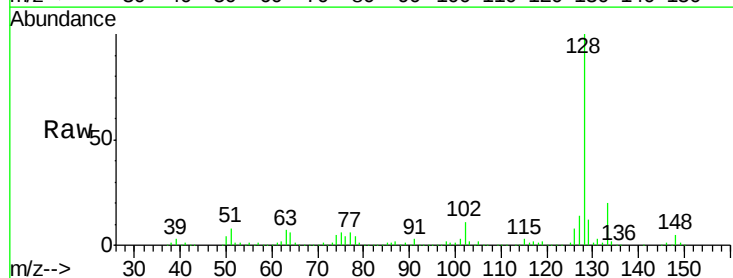
Tgt Ion: 128 Resp: 808129

Ion Ratio Lower Upper

128 100

129 12.3 9.4 14.2

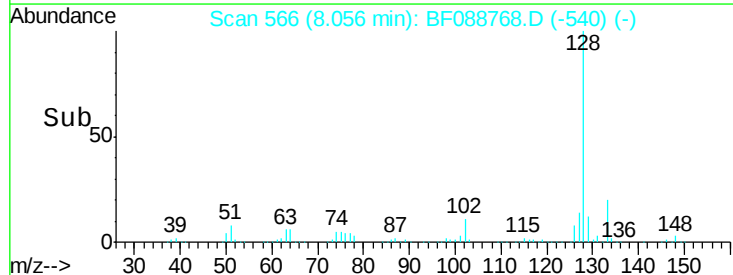
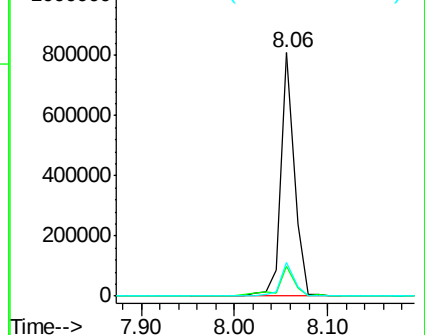
127 13.8 10.9 16.3

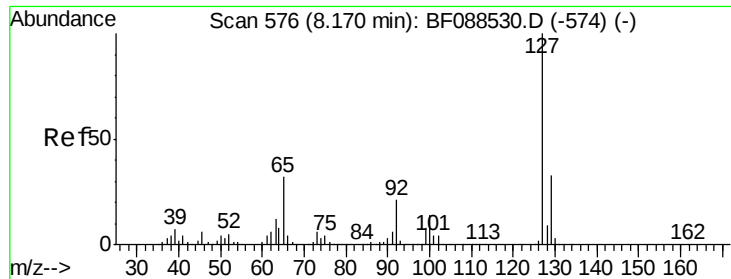


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

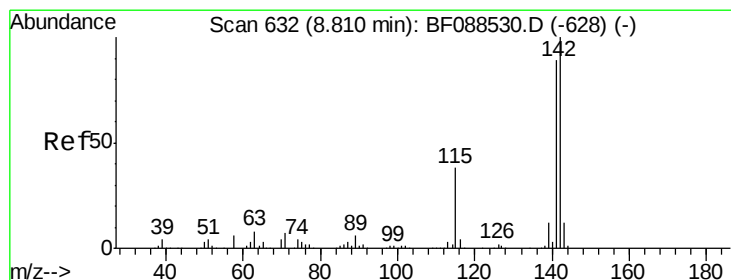
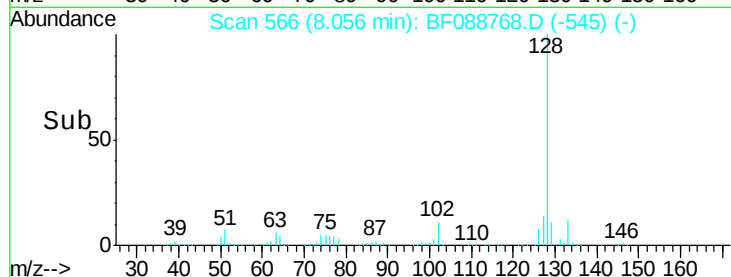
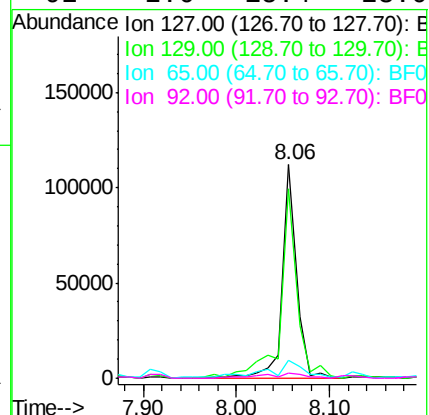
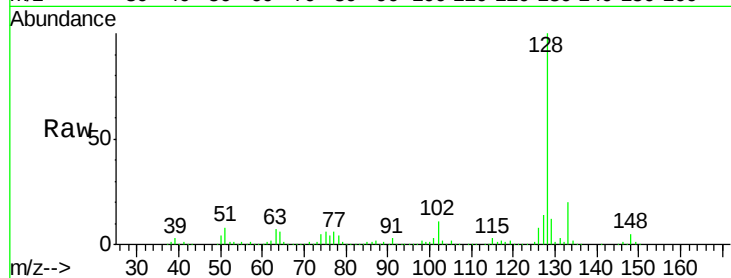




#33
 4-Chloroaniline
 Concen: 17.83 ng
 RT: 8.06 min Scan# 566
 Delta R.T. -0.06 min
 Lab File: BF088768.D
 Acq: 7 Jul 2016 7:42

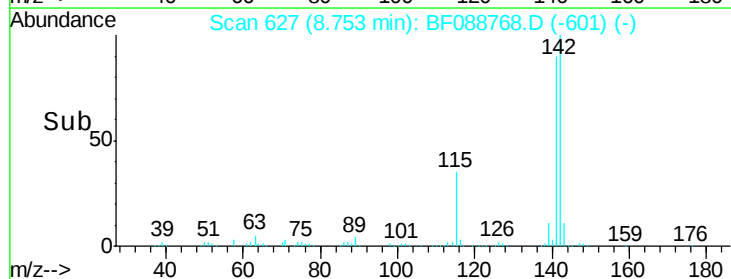
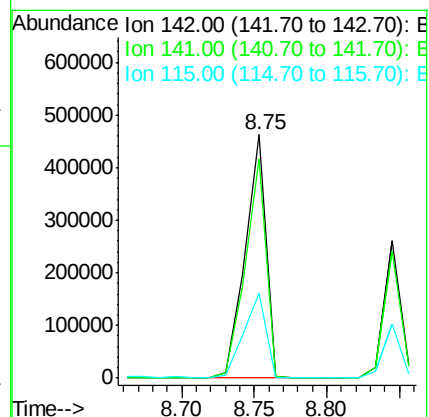
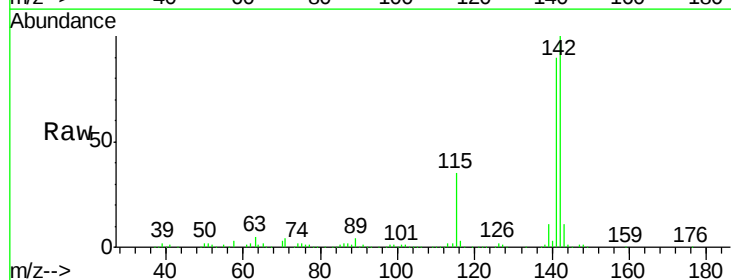
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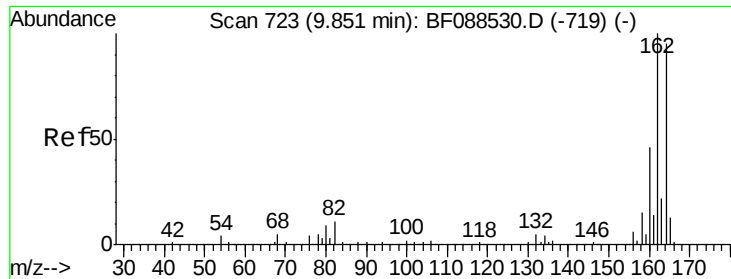
Tgt Ion:	127	Resp:	119445
Ion	Ratio	Lower	Upper
127	100		
129	88.6	26.3	39.5#
65	8.4	24.7	37.1#
92	2.6	15.4	23.0#



#37
 2-Methylnaphthalene
 Concen: 47.54 ng
 RT: 8.75 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: BF088768.D
 Acq: 7 Jul 2016 7:42

Tgt Ion:	142	Resp:	460933
Ion	Ratio	Lower	Upper
142	100		
141	90.2	71.0	106.6
115	34.9	22.6	33.8#

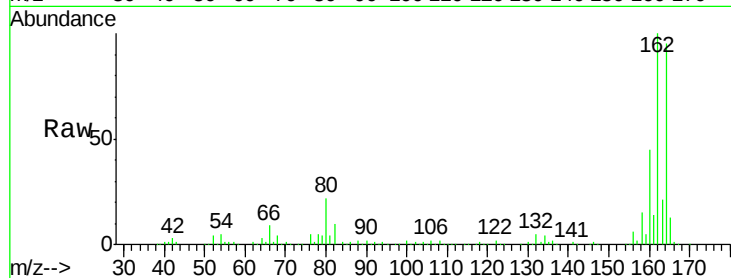




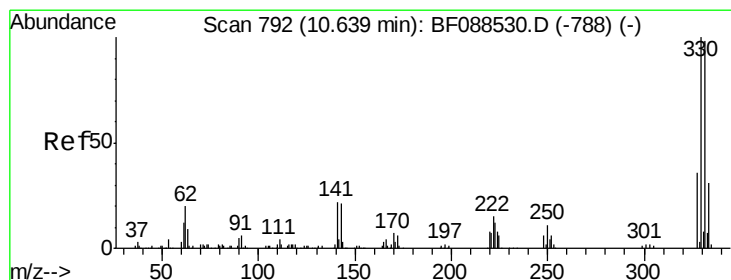
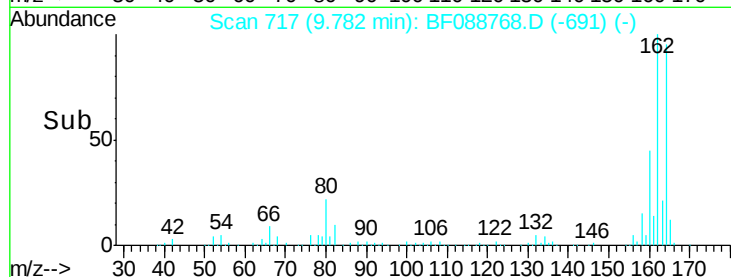
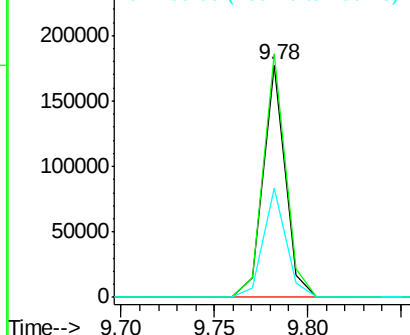
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Tgt Ion:164 Resp: 143961
Ion Ratio Lower Upper
164 100
162 104.9 85.4 128.2
160 46.9 39.5 59.3

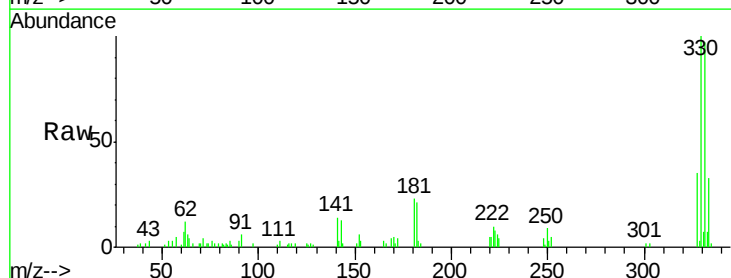


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

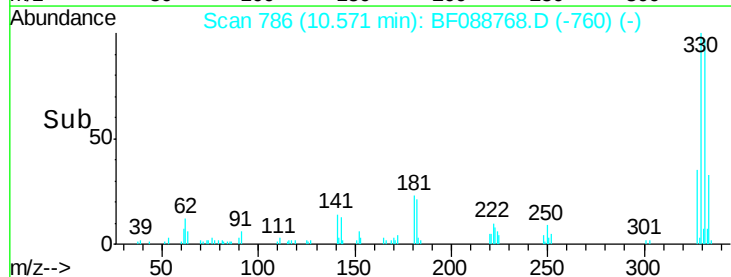
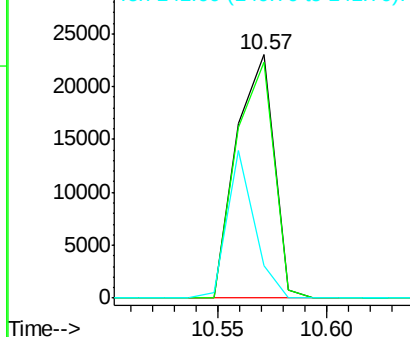


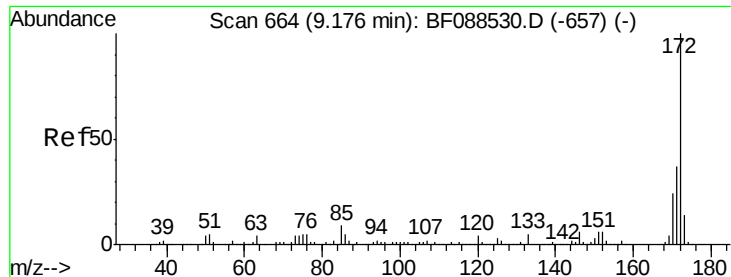
#41
2,4,6-Tribromophenol
Concen: 20.70 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:330 Resp: 27677
Ion Ratio Lower Upper
330 100
332 97.3 0.0 0.0#
141 43.5 0.0 0.0#



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

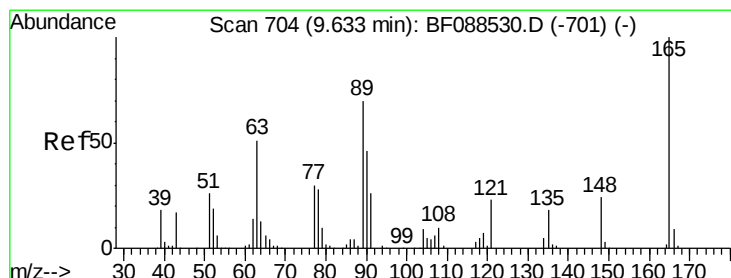
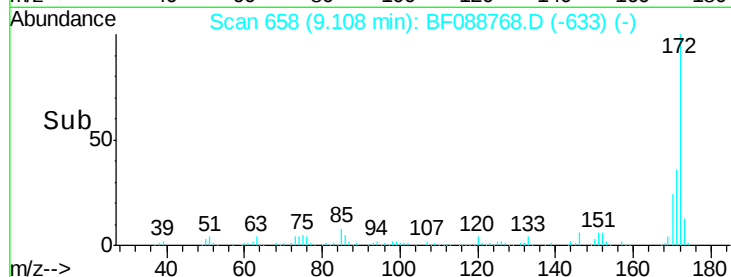
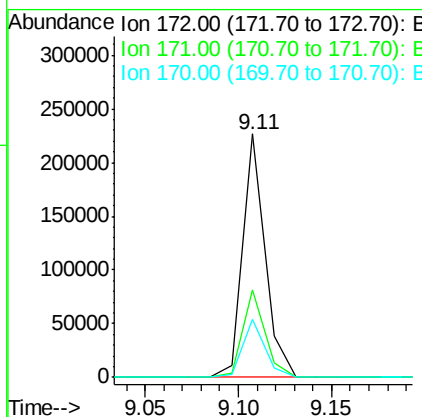
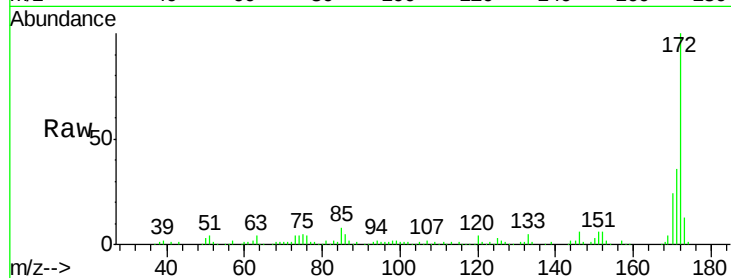




#44
 2-Fluorobiphenyl
 Concen: 20.83 ng
 RT: 9.11 min Scan# 658
 Delta R.T. -0.01 min
 Lab File: BF088768.D
 Acq: 7 Jul 2016 7:42

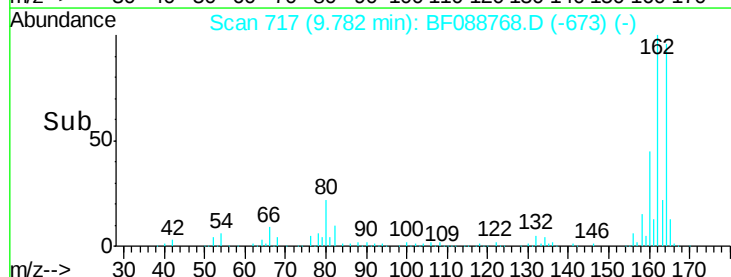
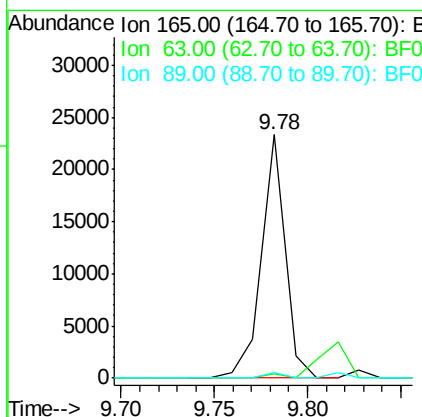
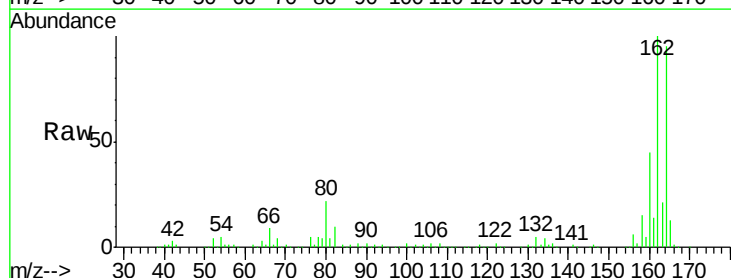
Instrument :
 BNA_F
 ClientSampleId :
 F12-B1(5-11)CDL

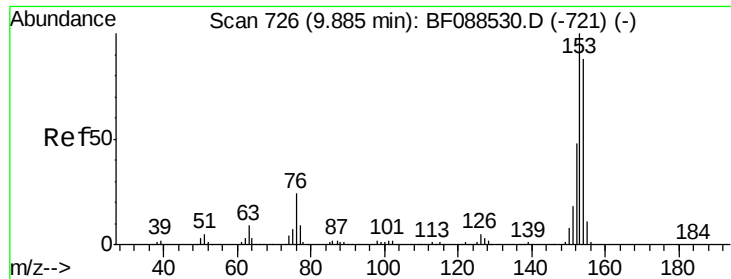
Tgt Ion:172 Resp: 189847
 Ion Ratio Lower Upper
 172 100
 171 35.8 28.6 43.0
 170 23.7 19.2 28.8



#50
 2,6-Dinitrotoluene
 Concen: 8.95 ng
 RT: 9.78 min Scan# 717
 Delta R.T. 0.21 min
 Lab File: BF088768.D
 Acq: 7 Jul 2016 7:42

Tgt Ion:165 Resp: 20348
 Ion Ratio Lower Upper
 165 100
 63 1.5 28.1 42.1#
 89 2.2 32.2 48.2#





#51

Acenaphthene

Concen: 4.78 ng

RT: 9.82 min Scan# 720

Delta R.T. -0.00 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

Instrument :

BNA_F

ClientSampleId :

F12-B1(5-11)CDL

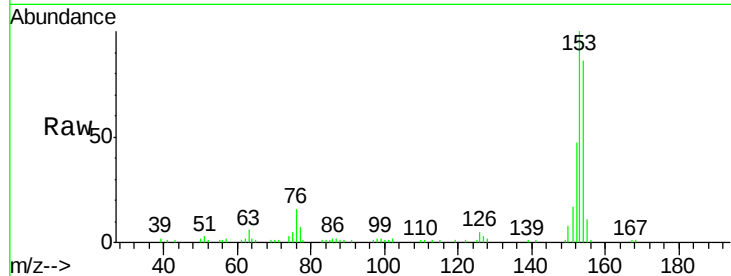
Tgt Ion:154 Resp: 43598

Ion Ratio Lower Upper

154 100

153 116.0 89.5 134.3

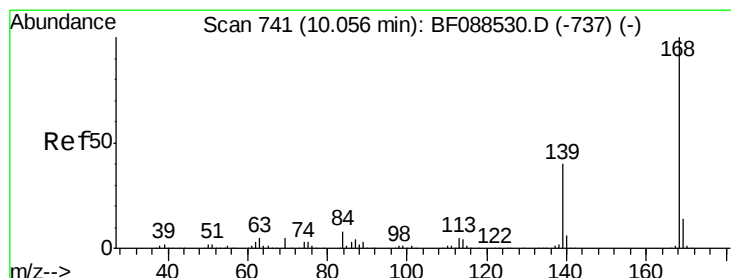
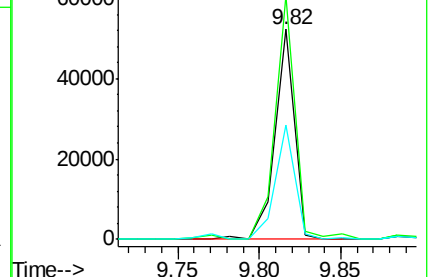
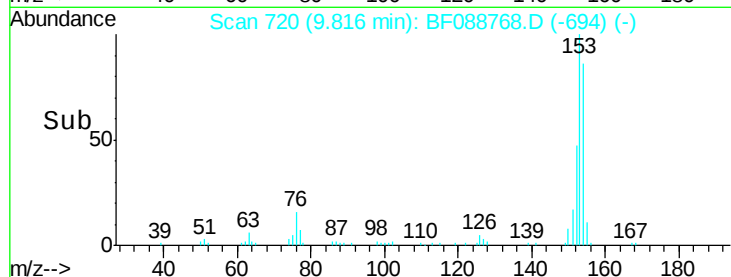
152 54.8 42.7 64.1



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 3.66 ng

RT: 9.99 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

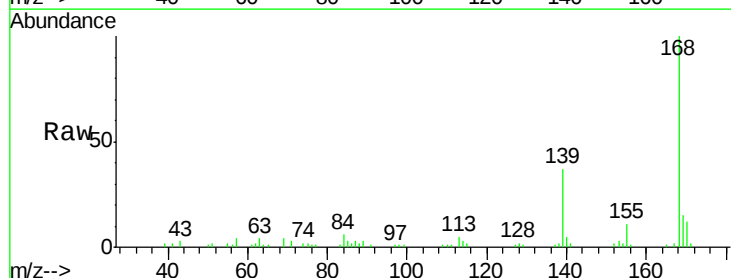
Tgt Ion:168 Resp: 43675

Ion Ratio Lower Upper

168 100

139 36.8 26.4 39.6

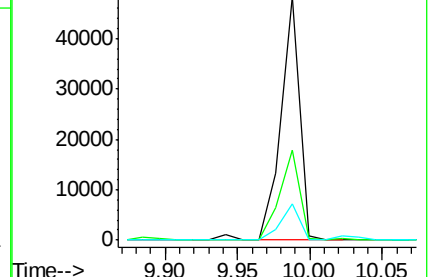
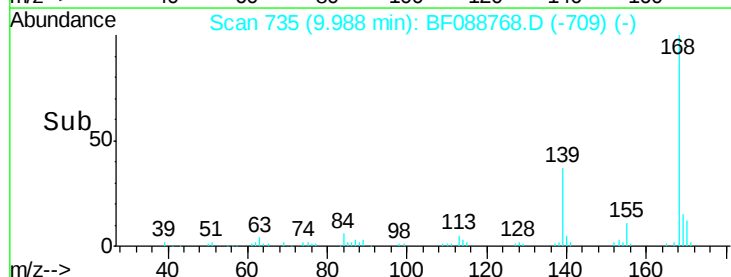
169 14.8 10.4 15.6

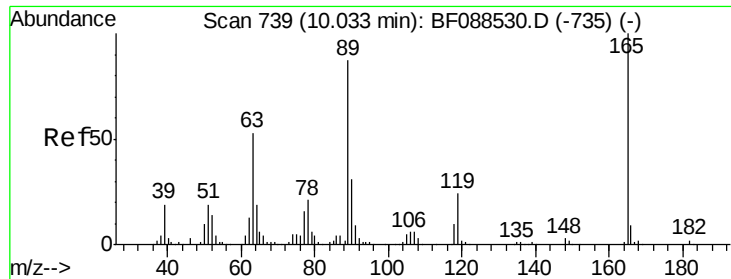


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#56

2,4-Dinitrotoluene

Concen: 6.85 ng

RT: 9.78 min Scan# 717

Delta R.T. -0.19 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

Instrument :

BNA_F

ClientSampleId :

F12-B1(5-11)CDL

Tgt Ion:165 Resp: 20348

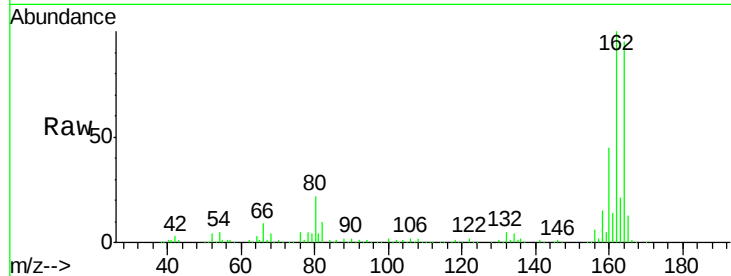
Ion Ratio Lower Upper

165 100

63 1.5 22.0 33.0#

89 2.2 41.1 61.7#

182 0.0 2.0 3.0#

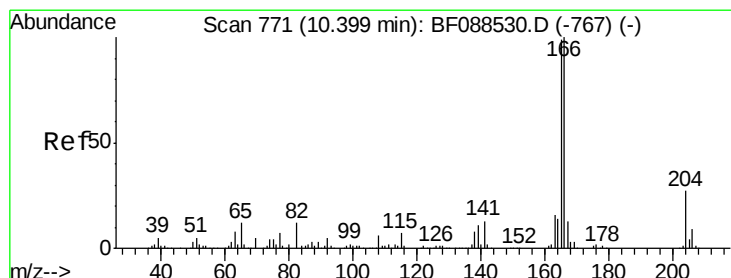
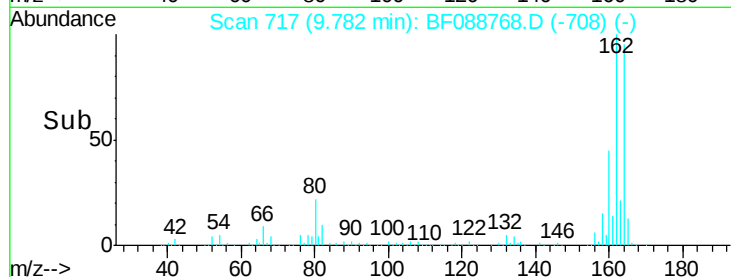
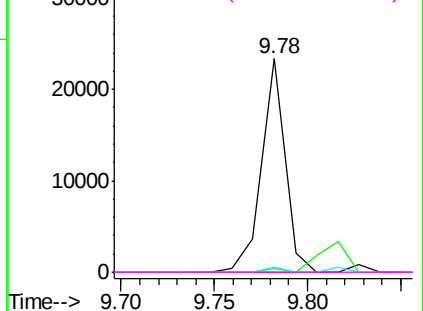


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57

Fluorene

Concen: 4.76 ng

RT: 10.33 min Scan# 765

Delta R.T. -0.00 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

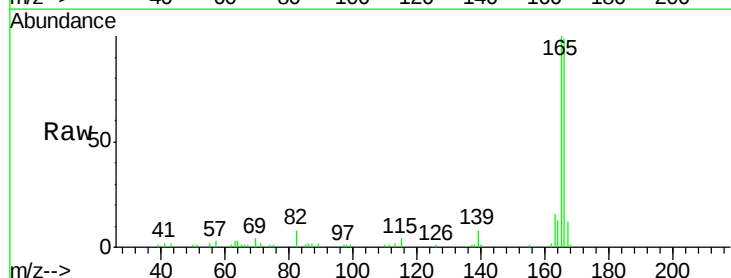
Tgt Ion:166 Resp: 43808

Ion Ratio Lower Upper

166 100

165 101.3 77.8 116.8

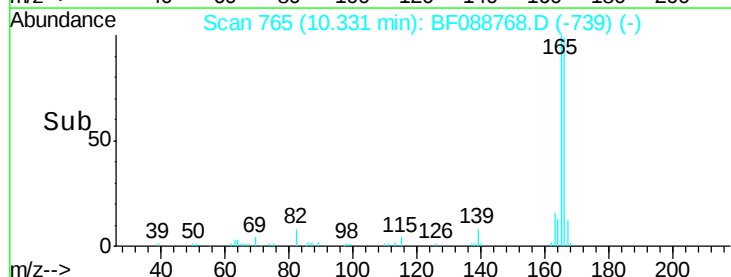
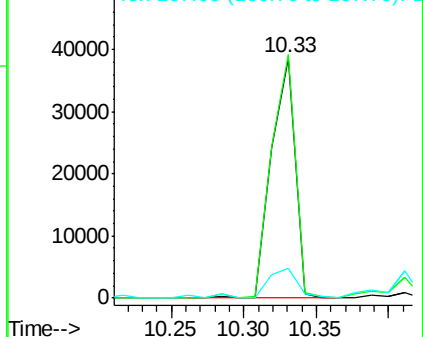
167 12.6 11.2 16.8

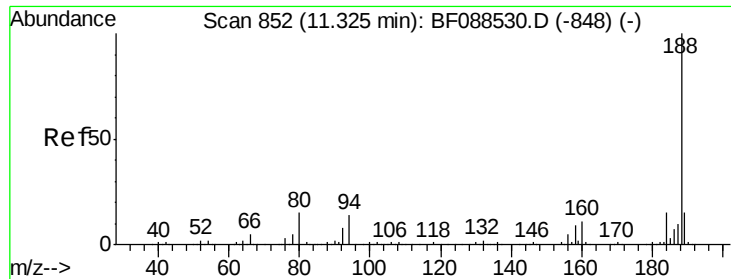


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

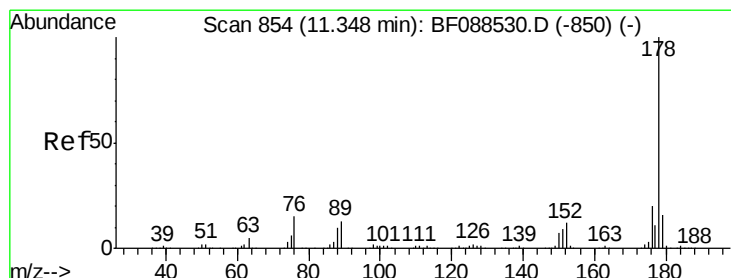
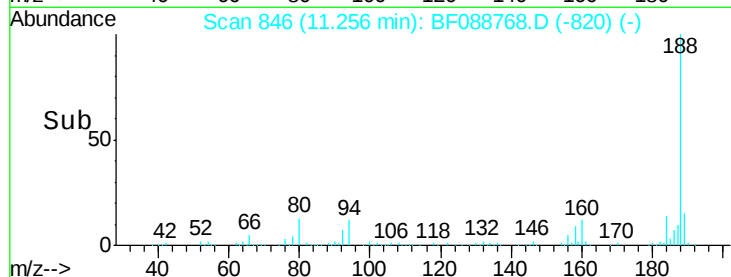
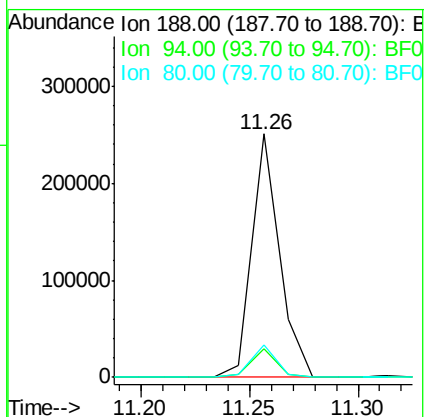
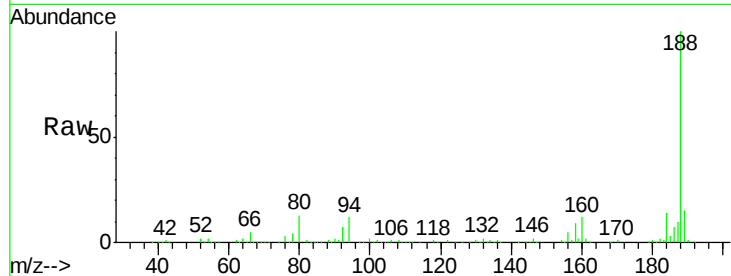




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

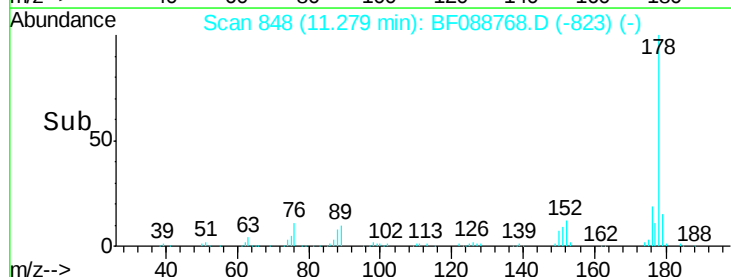
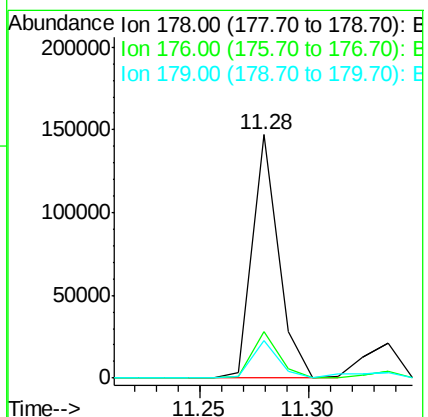
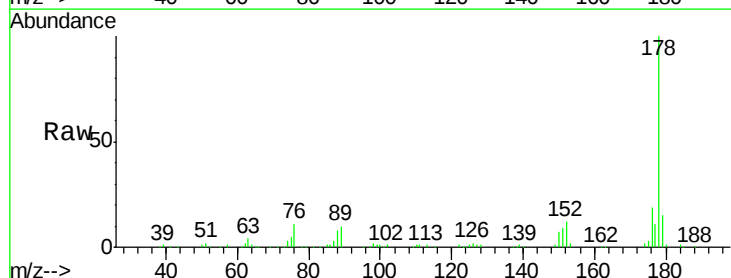
Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

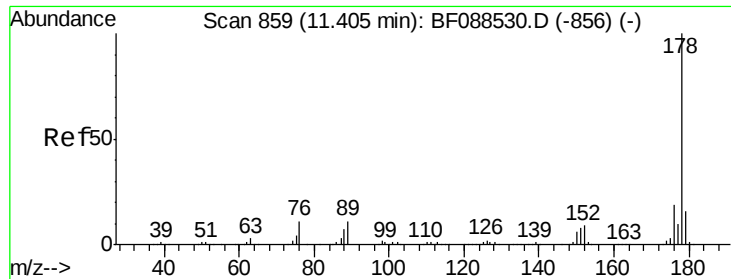
Tgt Ion:188 Resp: 221951
Ion Ratio Lower Upper
188 100
94 11.9 9.0 13.6
80 13.3 10.0 15.0



#70
Phenanthrene
Concen: 10.18 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Tgt Ion:178 Resp: 123523
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 15.2 13.0 19.4





#71

Anthracene

Concen: 2.02 ng

RT: 11.34 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

Instrument :

BNA_F

ClientSampleId :

F12-B1(5-11)CDL

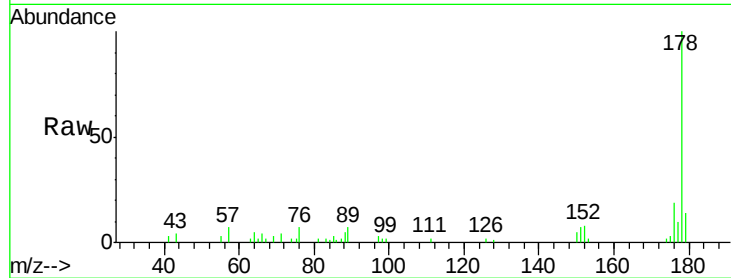
Tgt Ion:178 Resp: 24389

Ion Ratio Lower Upper

178 100

176 18.8 15.6 23.4

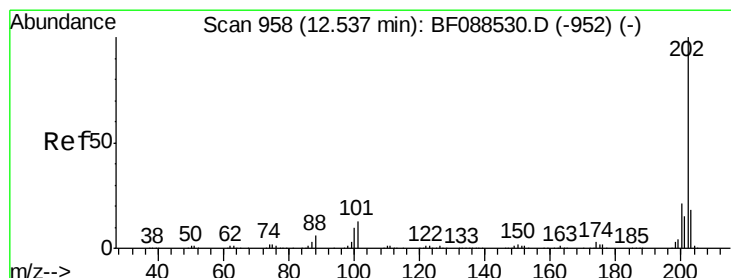
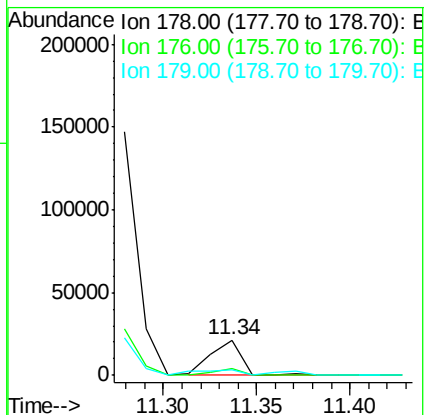
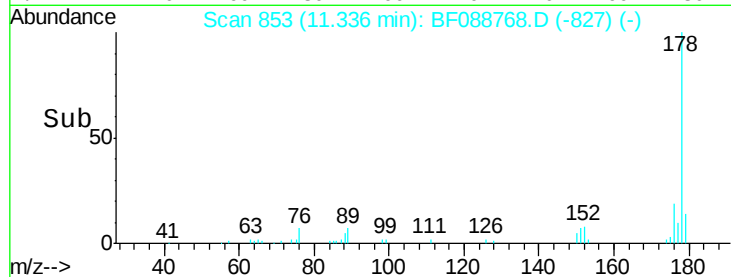
179 14.5 12.8 19.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 3.44 ng

RT: 12.47 min Scan# 952

Delta R.T. -0.00 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

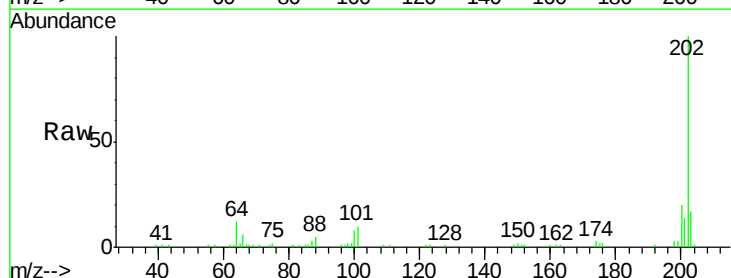
Tgt Ion:202 Resp: 42271

Ion Ratio Lower Upper

202 100

101 10.3 0.0 33.1

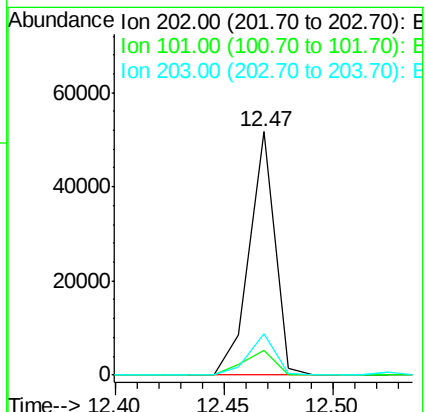
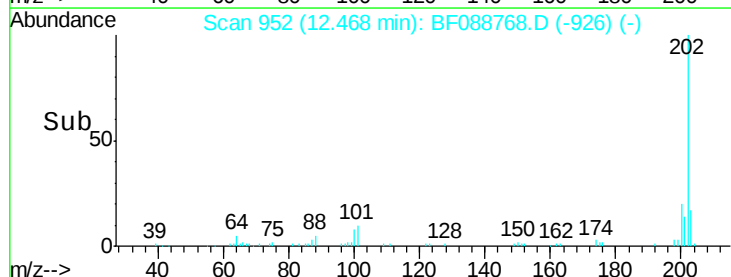
203 17.0 0.0 38.1

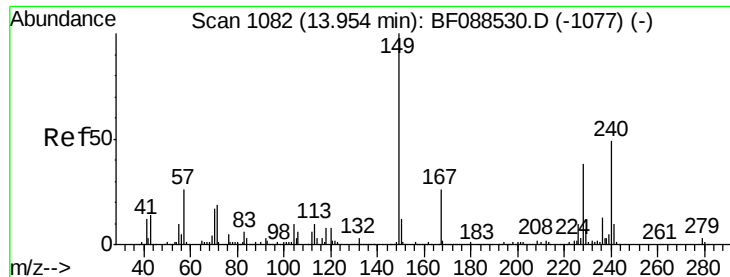


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1076

Delta R.T. -0.00 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

Instrument :

BNA_F

ClientSampleId :

F12-B1(5-11)CDL

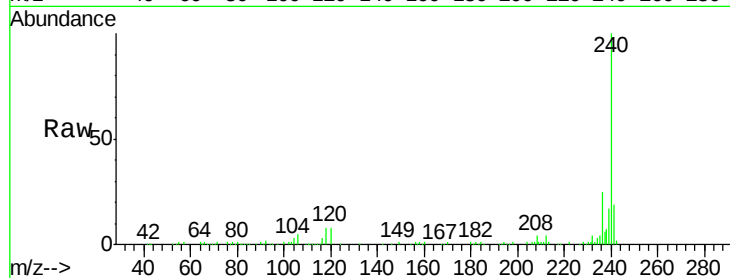
Tgt Ion:240 Resp: 164866

Ion Ratio Lower Upper

240 100

120 8.3 6.8 10.2

236 25.3 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

200000

150000

100000

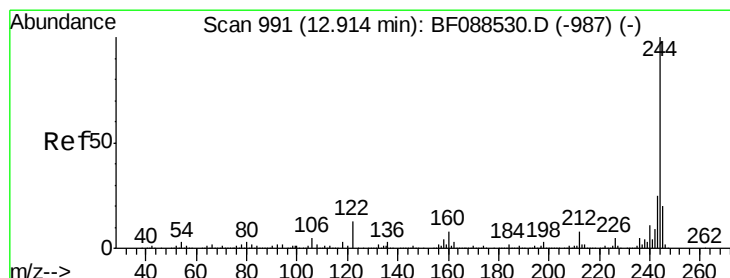
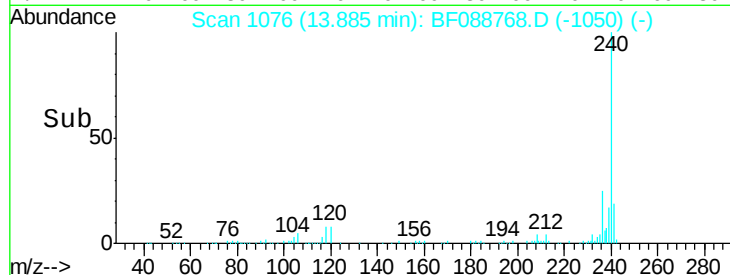
50000

0

13.89

13.85 13.90 13.95

Time-->



#78

Terphenyl-d14

Concen: 16.60 ng

RT: 12.83 min Scan# 984

Delta R.T. -0.01 min

Lab File: BF088768.D

Acq: 7 Jul 2016 7:42

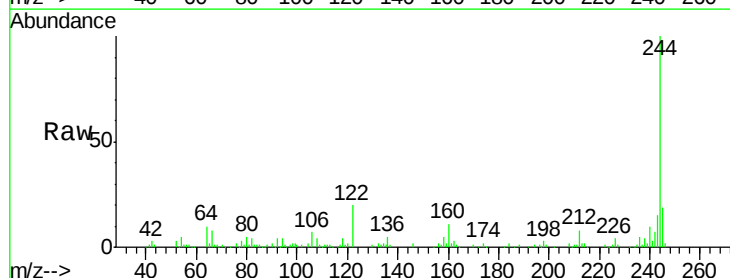
Tgt Ion:244 Resp: 122858

Ion Ratio Lower Upper

244 100

212 7.9 6.0 9.0

122 19.8 11.2 16.8#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

120000

100000

80000

60000

40000

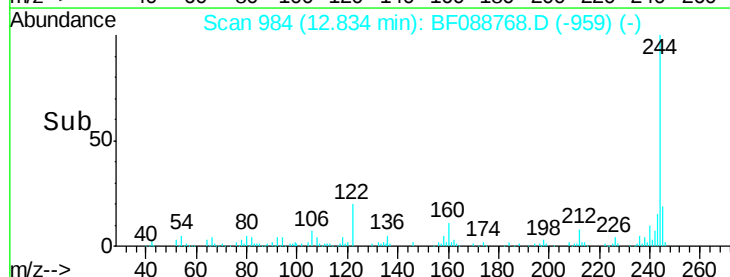
20000

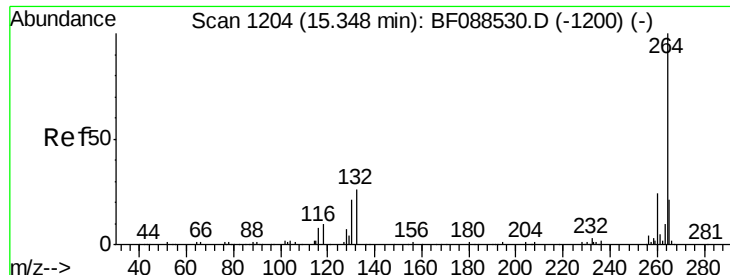
0

12.83

12.80 12.85 12.90

Time-->

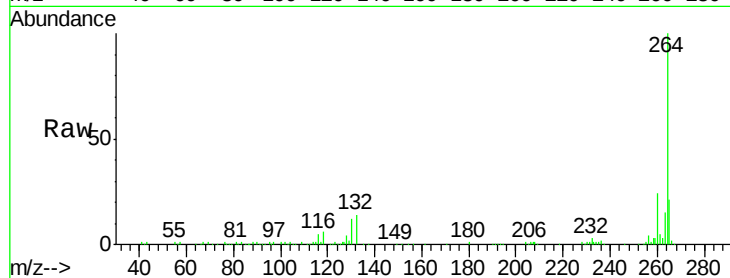




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF088768.D
Acq: 7 Jul 2016 7:42

Instrument :
BNA_F
ClientSampleId :
F12-B1(5-11)CDL

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	16.9	25.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

