

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083647.D
 Acq On : 9 Dec 2015 19:02
 Operator : UM/IZ
 Sample : G4697-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-8-20151207

Quant Time: Dec 10 00:37:58 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

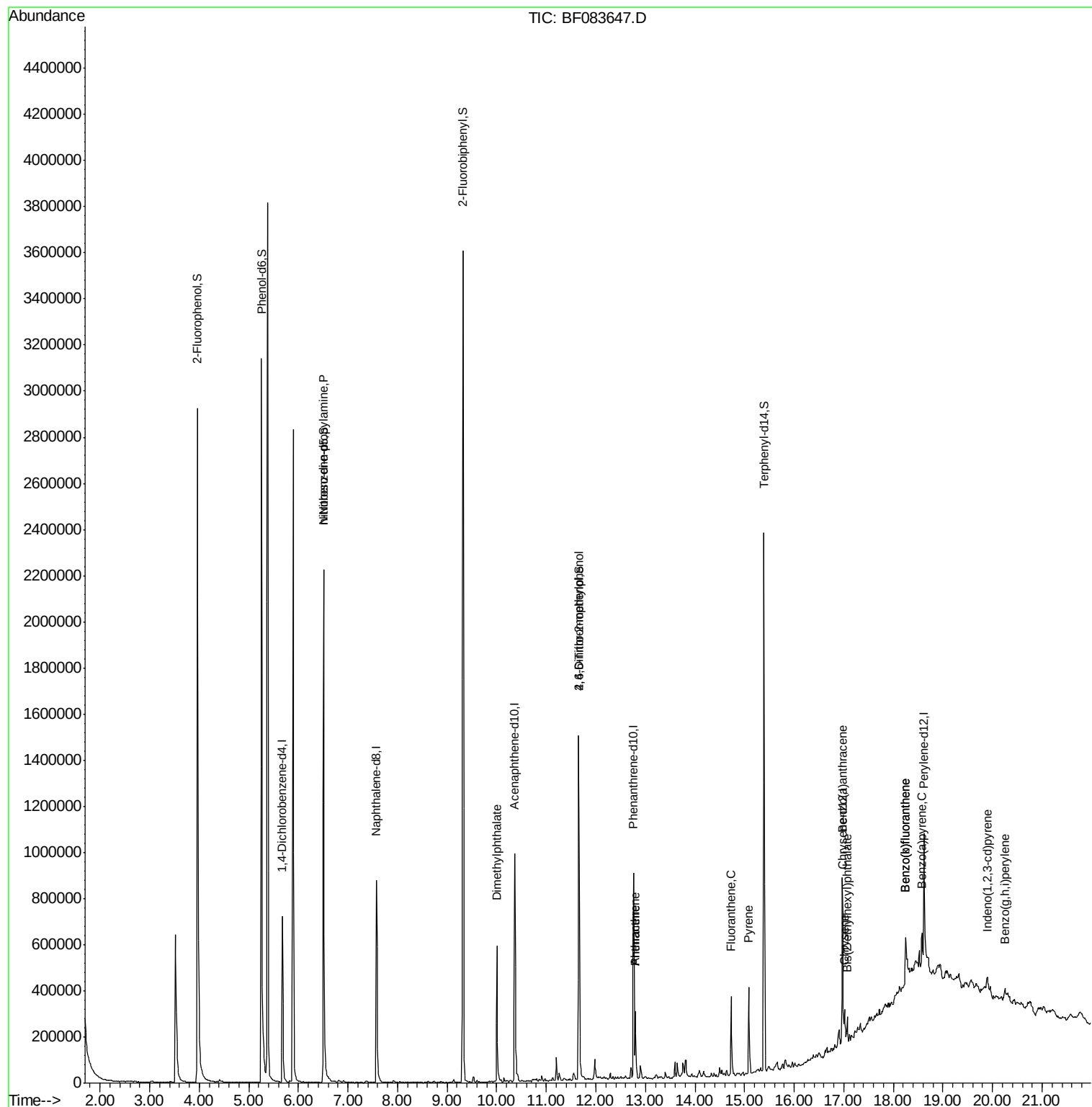
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	151285	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	593849	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	277329	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	455048	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	332359	20.00	ng	-0.01
86) Perylene-d12	18.61	264	294030	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	1264917	126.82	ng	-0.01
7) Phenol-d6	5.25	99	1790653	134.36	ng	-0.02
23) Nitrobenzene-d5	6.51	82	1129847	88.78	ng	-0.02
41) 2,4,6-Tribromophenol	11.65	330	245297	99.28	ng	-0.03
44) 2-Fluorobiphenyl	9.32	172	1587596	80.57	ng	-0.02
78) Terphenyl-d14	15.39	244	1041231	73.71	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.51	70	146522	15.75	ng	# 79
49) Dimethylphthalate	10.01	163	330169	14.96	ng	98
64) 4,6-Dinitro-2-methylphenol	11.65	198	514	2.11	ng	# 1
70) Phenanthrene	12.80	178	182115	6.97	ng	99
71) Anthracene	12.80	178	182115	6.72	ng	100
74) Fluoranthene	14.73	202	214548	8.02	ng	99
77) Pyrene	15.08	202	207527	8.67	ng	# 96
80) Benzo(a)anthracene	16.97	228	97887	5.03	ng	97
82) Chrysene	17.01	228	85295	4.37	ng	98
83) Bis(2-ethylhexyl)phthalate	17.07	149	31428	2.13	ng	99
85) Indeno(1,2,3-cd)pyrene	19.89	276	34635	2.63	ng	# 100
87) Benzo(b)fluoranthene	18.25	252	126344	7.55	ng	# 92
88) Benzo(k)fluoranthene	18.25	252	126344	6.85	ng	# 94
89) Benzo(a)pyrene	18.58	252	66855	4.09	ng	# 87
91) Benzo(g,h,i)perylene	20.25	276	34093	2.80	ng	94

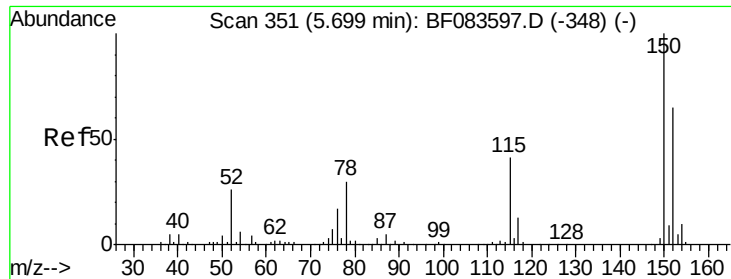
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 09 00:23:35 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.68 min Scan# 349

Delta R.T. -0.02 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-8-20151207

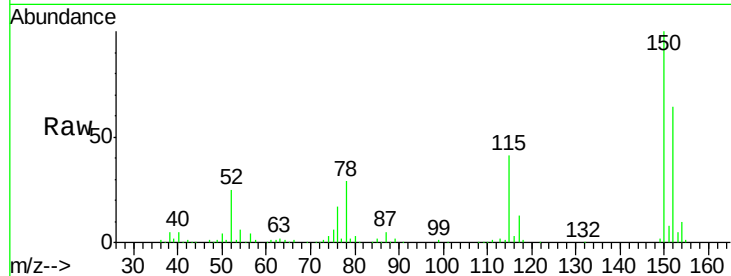
Tgt Ion:152 Resp: 151285

Ion Ratio Lower Upper

152 100

150 155.6 126.5 189.7

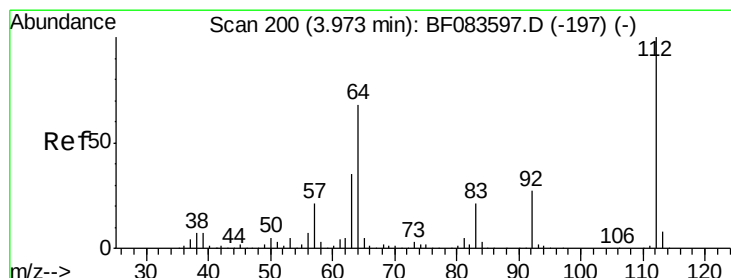
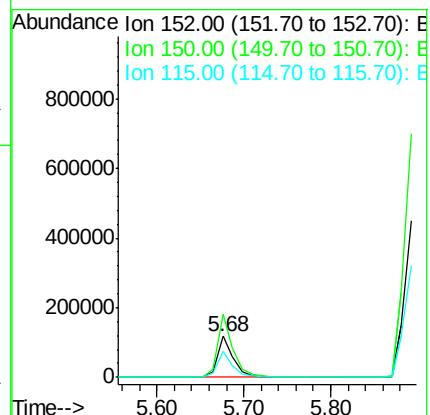
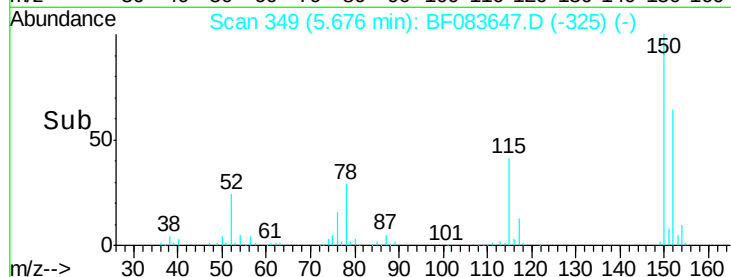
115 64.1 52.3 78.5



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: 126.82 ng

RT: 3.96 min Scan# 199

Delta R.T. -0.01 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

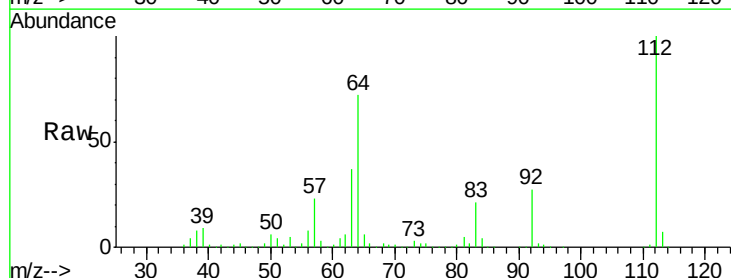
Tgt Ion:112 Resp: 1264917

Ion Ratio Lower Upper

112 100

64 71.8 50.5 75.7

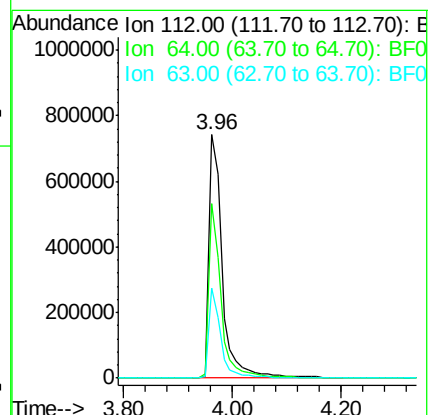
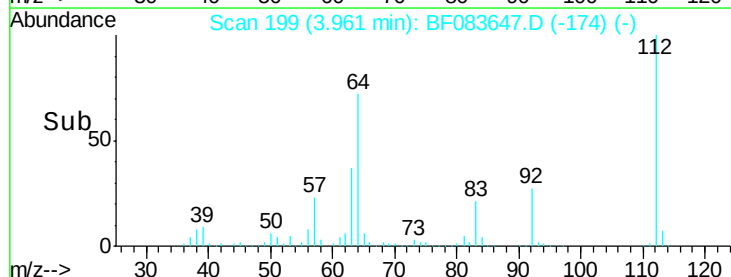
63 37.2 25.8 38.6

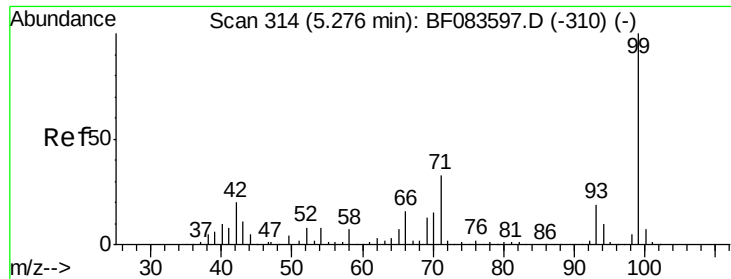


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 134.36 ng

RT: 5.25 min Scan# 312

Delta R.T. -0.02 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-8-20151207

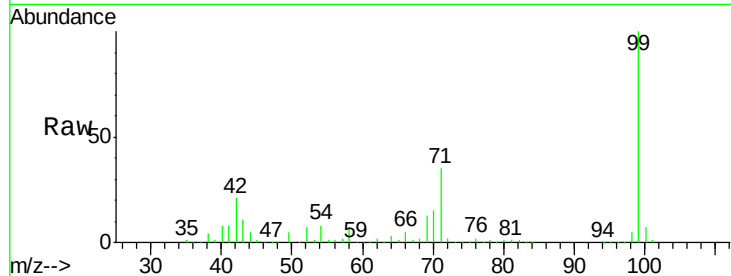
Tgt Ion: 99 Resp: 1790653

Ion Ratio Lower Upper

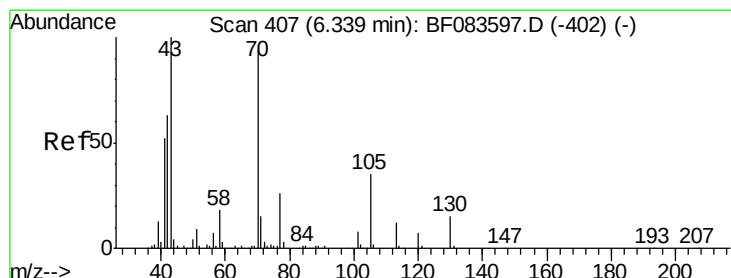
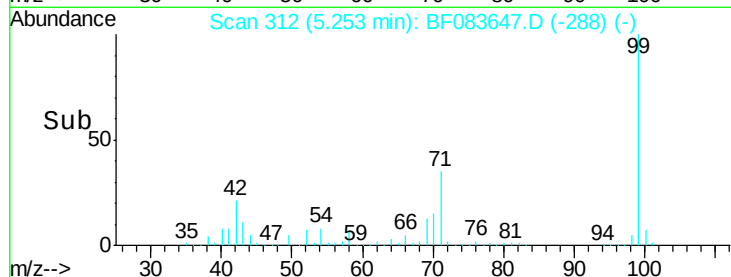
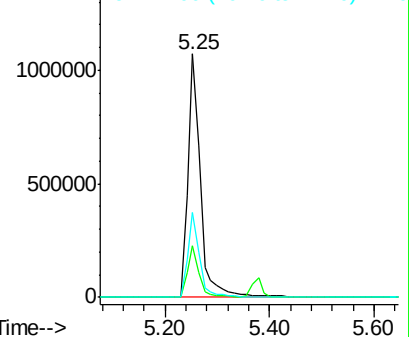
99 100

42 21.4 17.3 25.9

71 35.0 26.6 40.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.75 ng

RT: 6.51 min Scan# 422

Delta R.T. 0.17 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

Tgt Ion: 70 Resp: 146522

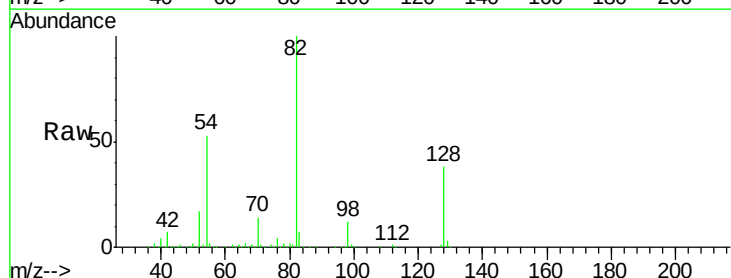
Ion Ratio Lower Upper

70 100

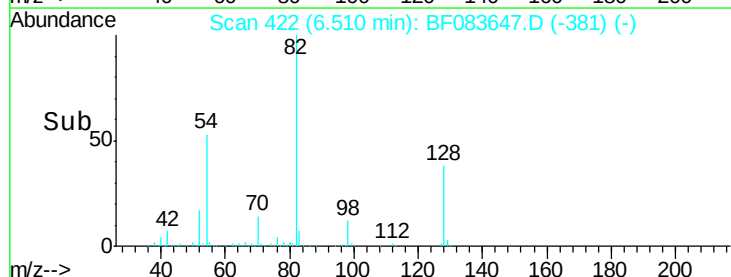
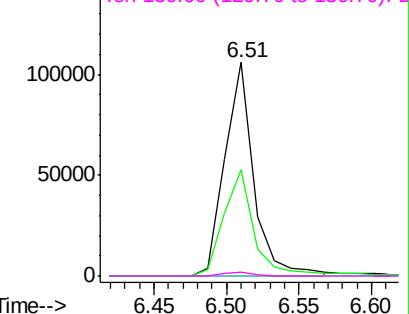
42 49.5 49.2 73.8

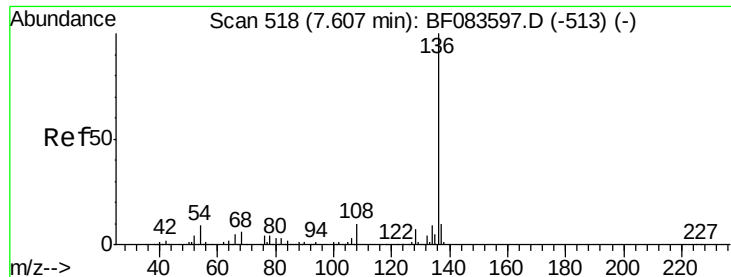
101 0.0 7.1 10.7#

130 2.0 15.4 23.0#



Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): BF0
Ion 130.00 (129.70 to 130.70): BF0

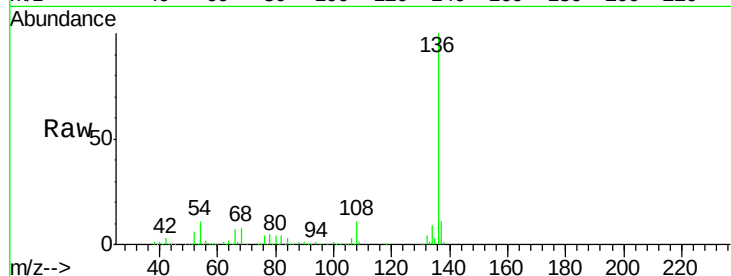




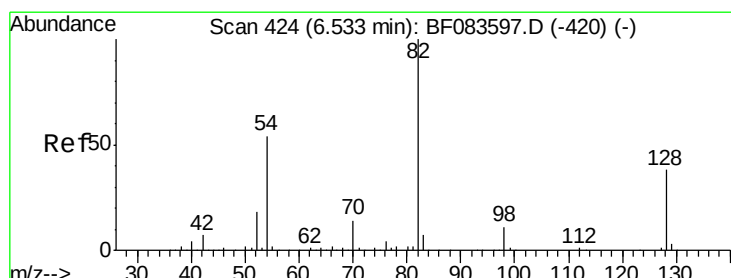
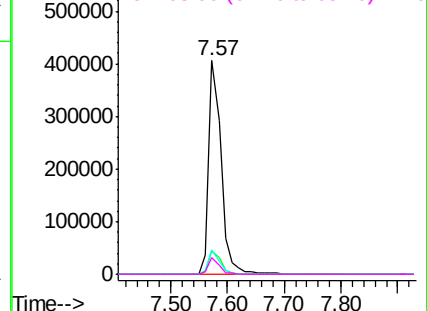
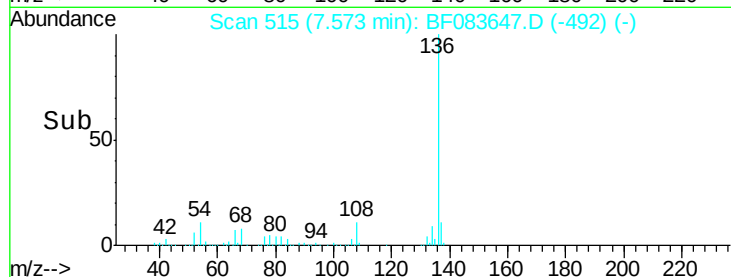
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.57 min Scan# 515
Delta R.T. -0.03 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-8-20151207

Tgt Ion:	136	Resp:	593849
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	11.2	7.8	11.6
68	7.9	5.7	8.5

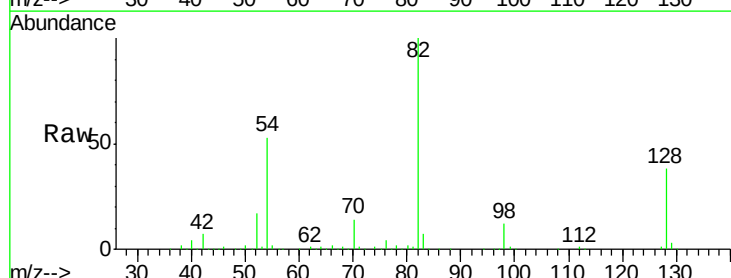


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

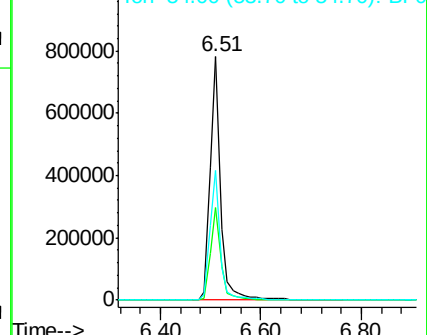
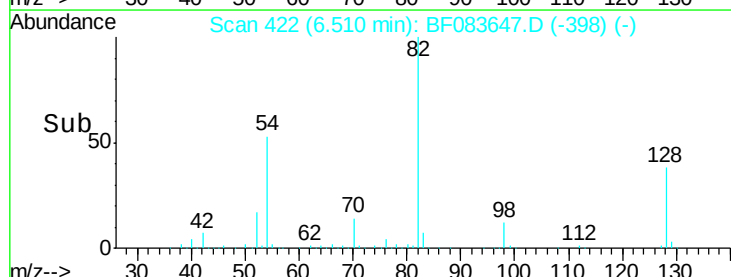


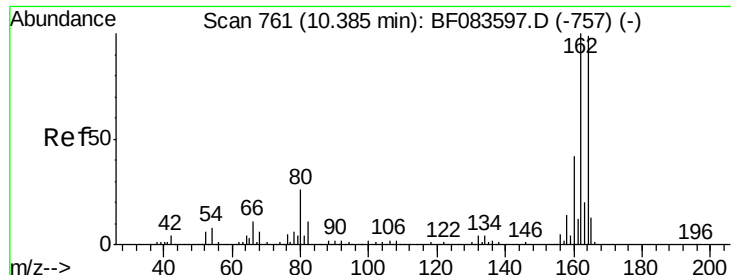
#23
Nitrobenzene-d5
Concen: 88.78 ng
RT: 6.51 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

Tgt Ion:	82	Resp:	1129847
Ion	Ratio	Lower	Upper
82	100		
128	38.2	30.7	46.1
54	53.4	42.5	63.7



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.36 min Scan# 759

Delta R.T. -0.02 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-8-20151207

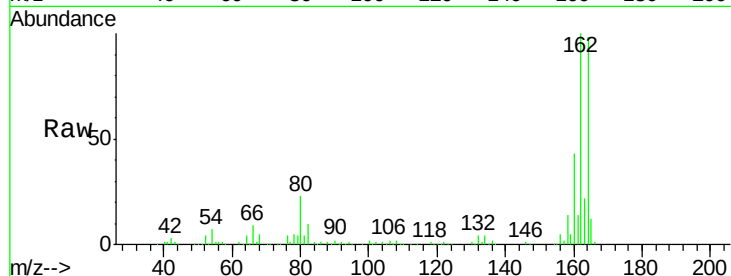
Tgt Ion:164 Resp: 277329

Ion Ratio Lower Upper

164 100

162 101.5 78.8 118.2

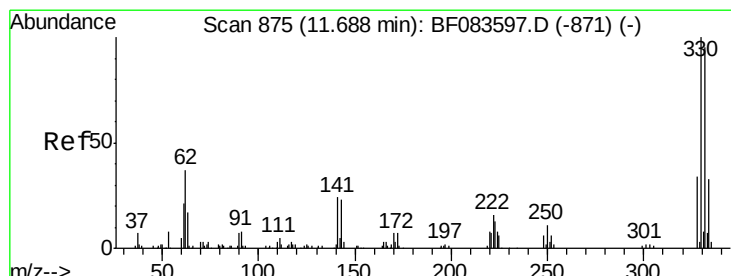
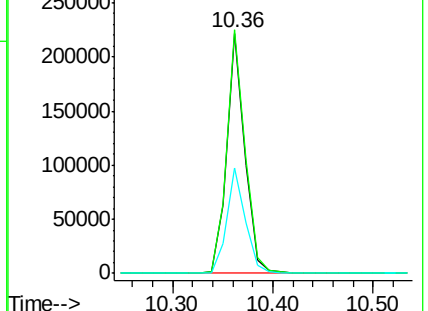
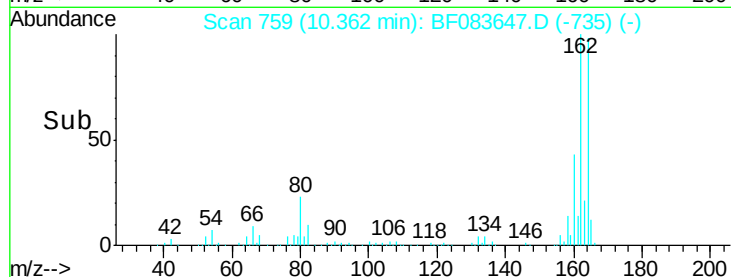
160 44.0 33.4 50.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 99.28 ng

RT: 11.65 min Scan# 872

Delta R.T. -0.03 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

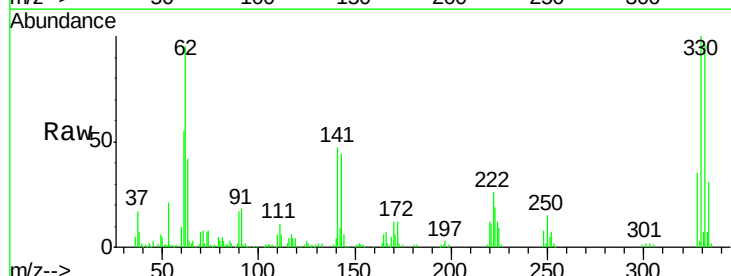
Tgt Ion:330 Resp: 245297

Ion Ratio Lower Upper

330 100

332 98.7 0.0 0.0#

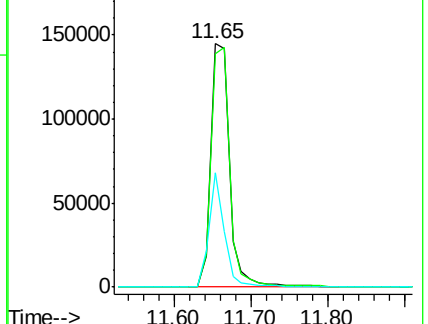
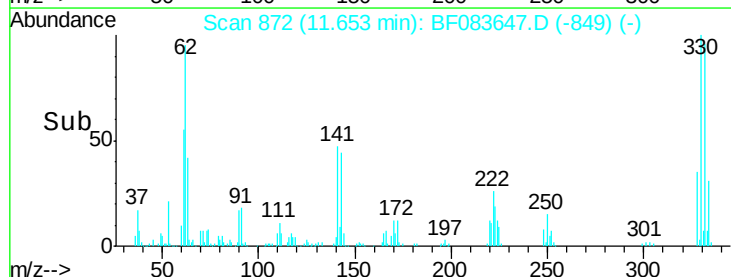
141 38.7 0.0 0.0#

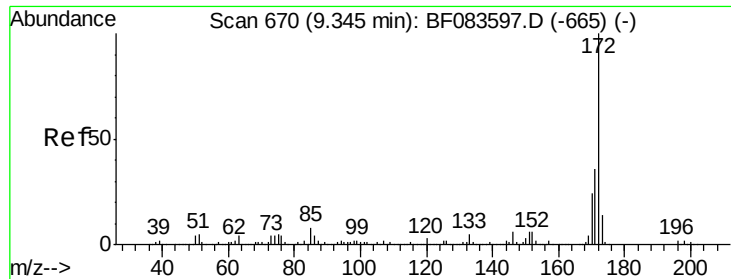


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 80.57 ng

RT: 9.32 min Scan# 668

Delta R.T. -0.02 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

Instrument :

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ClientSampleId :

CWC-MISC-8-20151207

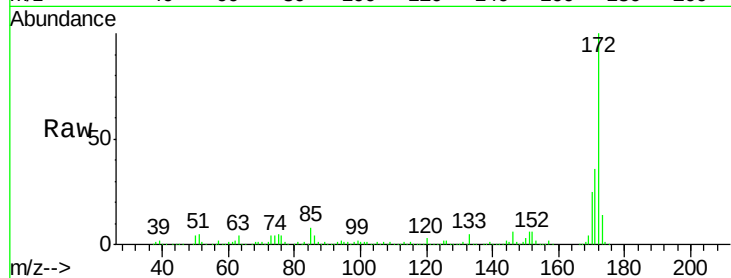
Tgt Ion:172 Resp: 1587596

Ion Ratio Lower Upper

172 100

171 36.4 28.6 42.8

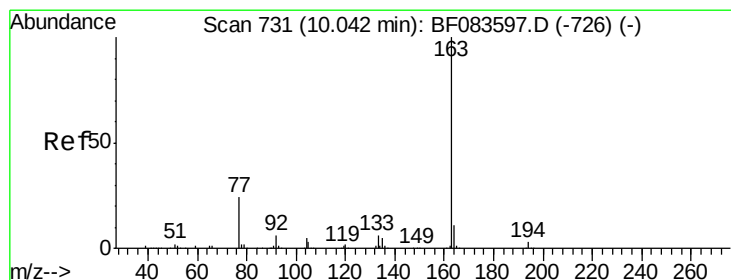
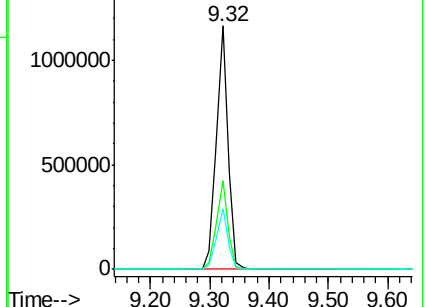
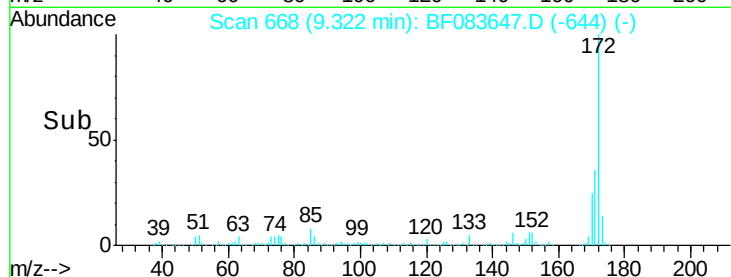
170 25.0 19.4 29.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 14.96 ng

RT: 10.01 min Scan# 728

Delta R.T. -0.03 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

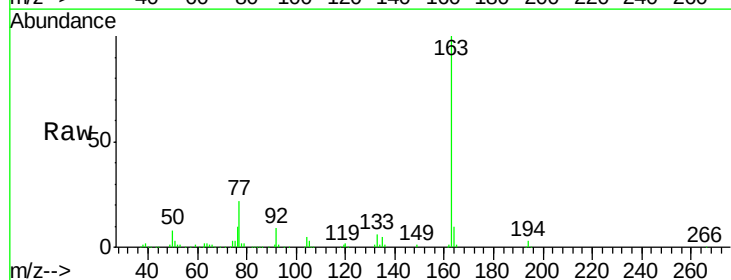
Tgt Ion:163 Resp: 330169

Ion Ratio Lower Upper

163 100

194 3.1 2.8 4.2

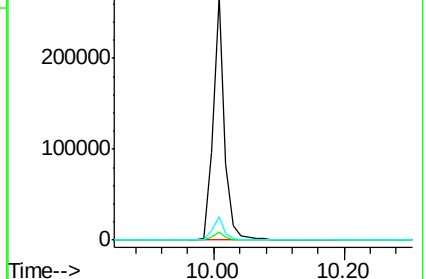
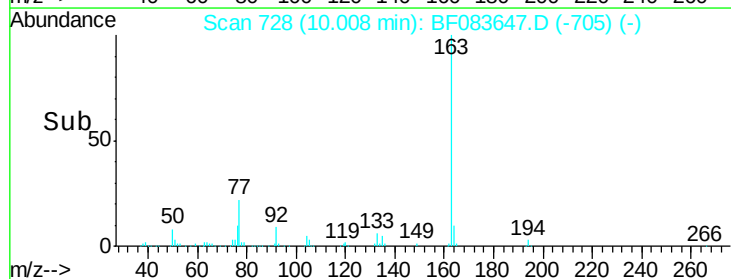
164 9.8 8.6 13.0

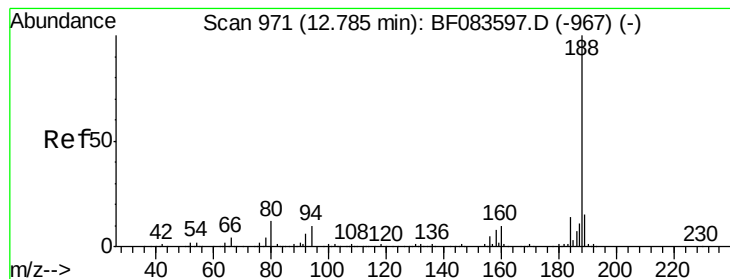


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

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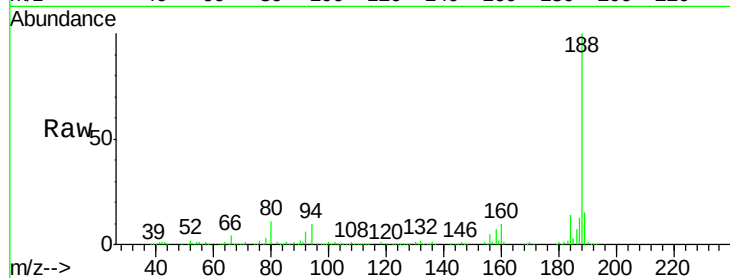
Tgt Ion:188 Resp: 455048

Ion Ratio Lower Upper

188 100

94 9.6 9.4 14.2

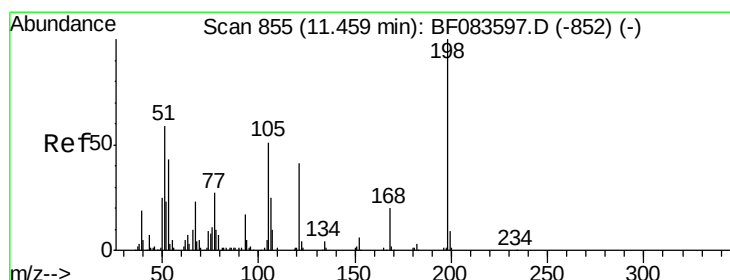
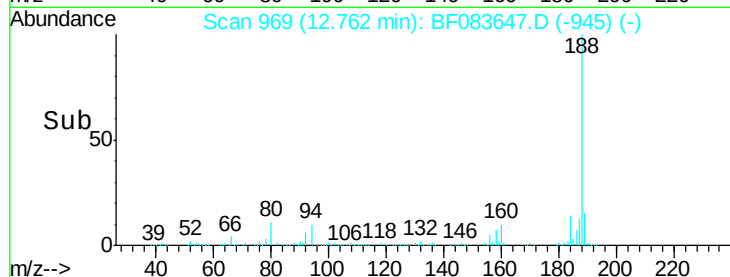
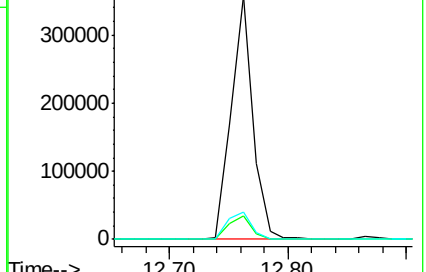
80 11.3 10.6 16.0



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



#64

4,6-Dinitro-2-methylphenol

Concen: 2.11 ng

RT: 11.65 min Scan# 872

Delta R.T. 0.19 min

Lab File: BF083647.D

Acq: 9 Dec 2015 19:02

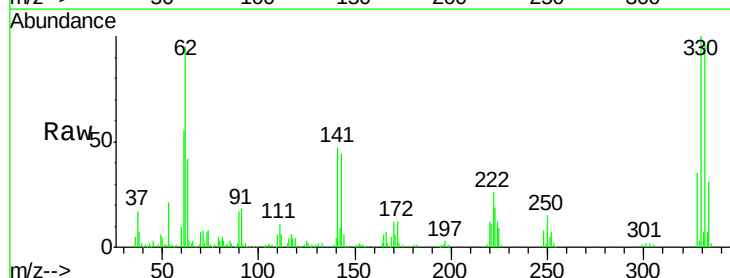
Tgt Ion:198 Resp: 514

Ion Ratio Lower Upper

198 100

51 304.5 53.8 93.8#

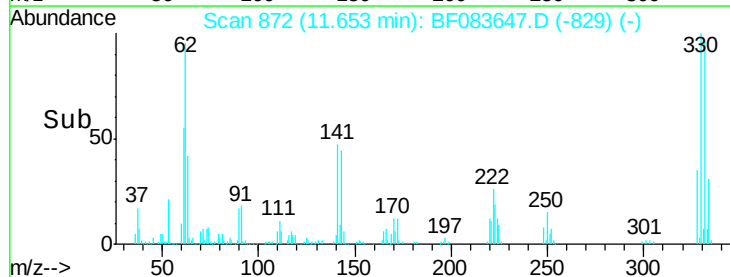
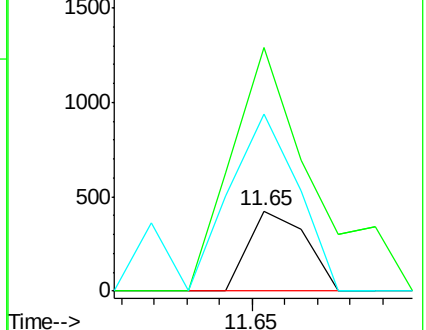
105 220.8 38.6 78.6#

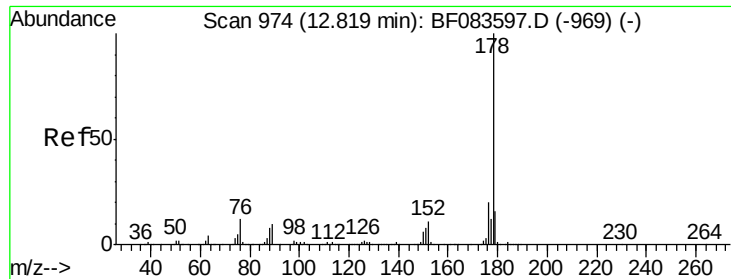


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

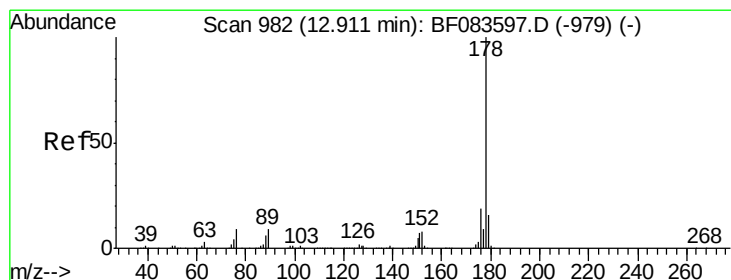
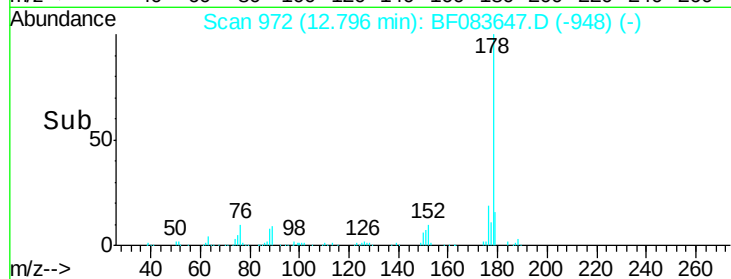
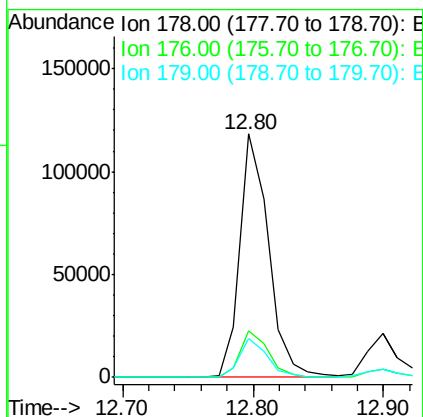
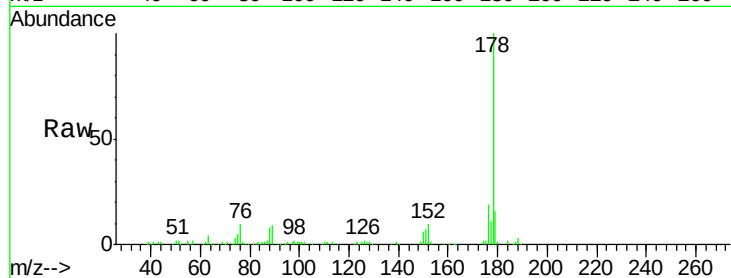




#70
Phenanthrene
Concen: 6.97 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

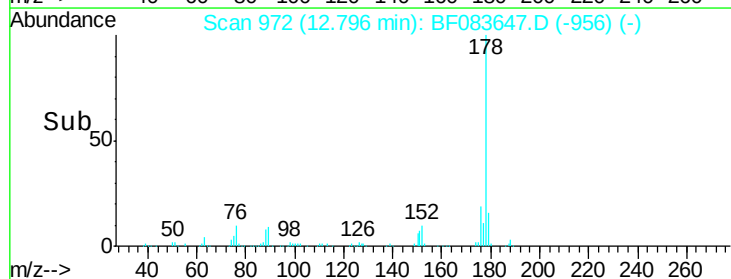
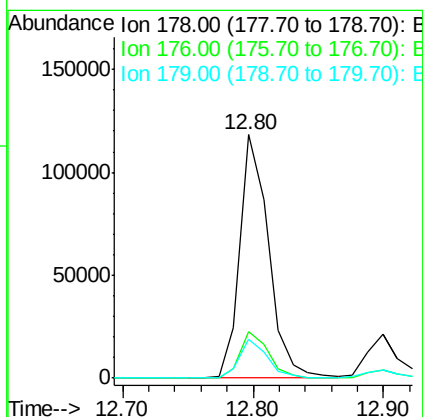
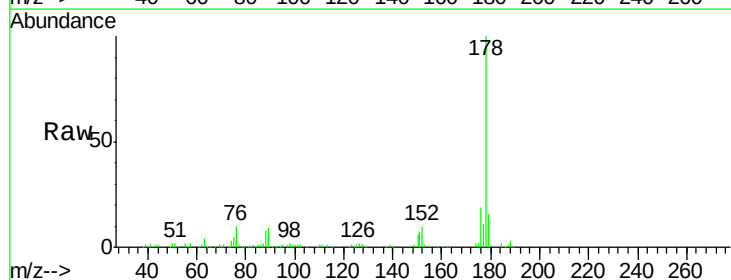
Instrument :
BNA_F
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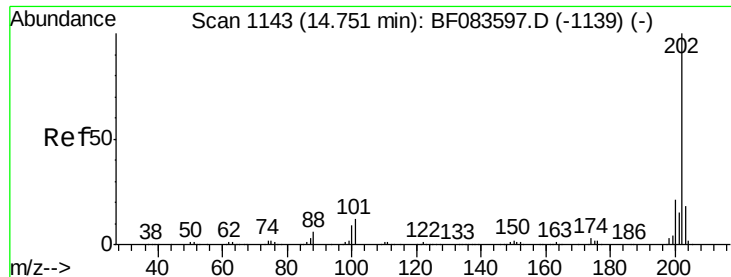
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.8	12.2	18.4



#71
Anthracene
Concen: 6.72 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.11 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.2	22.8
179	15.8	12.6	18.8

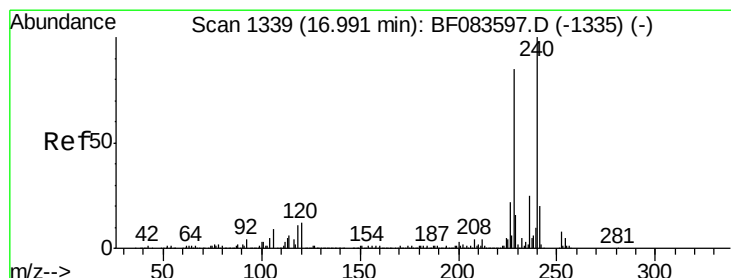
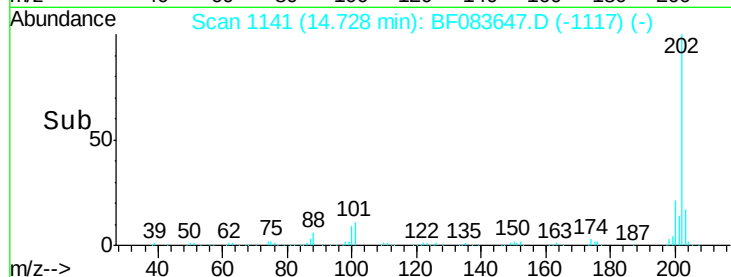
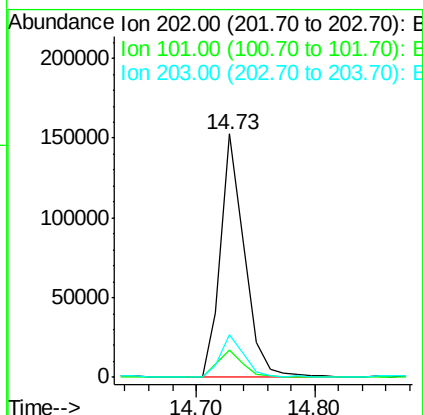
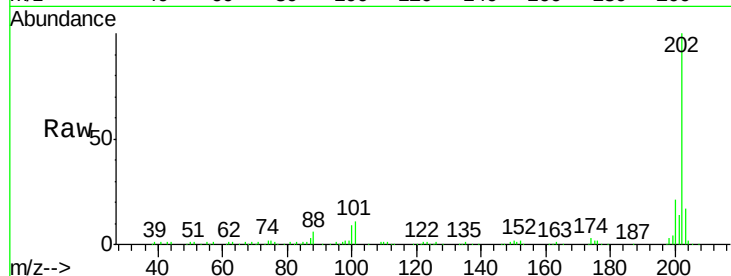




#74
Fluoranthene
Concen: 8.02 ng
RT: 14.73 min Scan# 1141
Delta R.T. -0.02 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

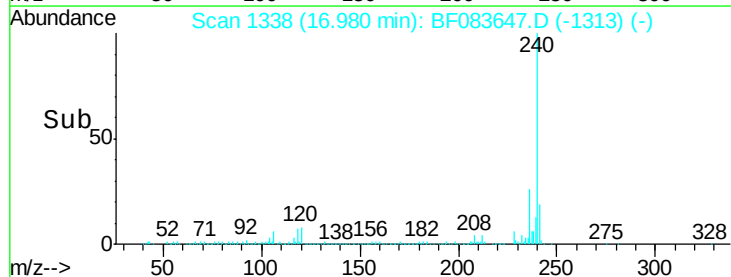
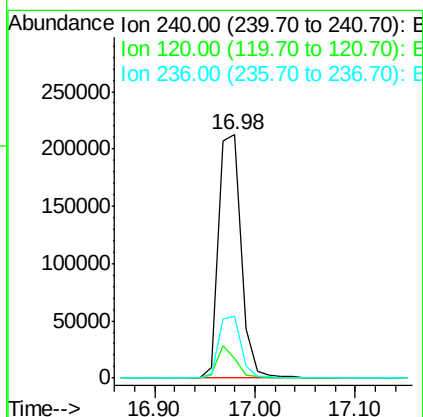
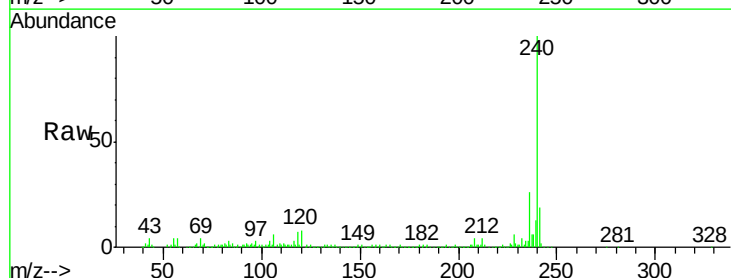
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-8-20151207

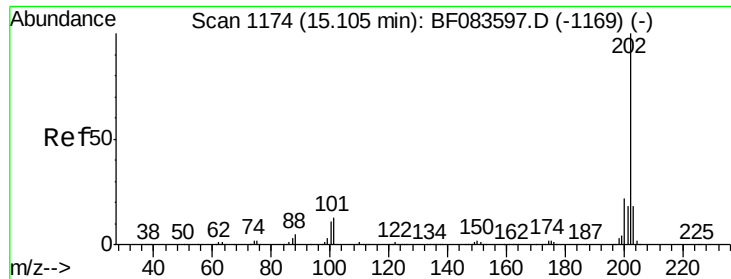
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	214548		
101	11.2	0.0	31.5	
203	17.4	0.0	37.6	



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.98 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	332359		
120	8.2	8.1	12.1	
236	25.7	20.8	31.2	

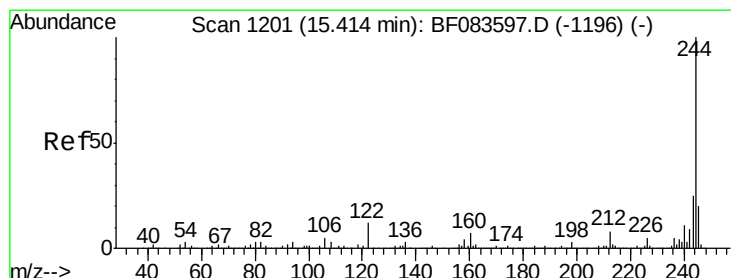
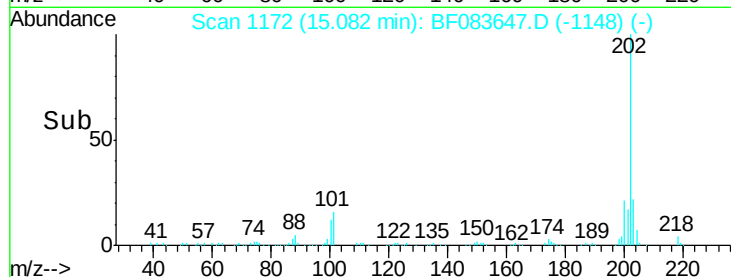
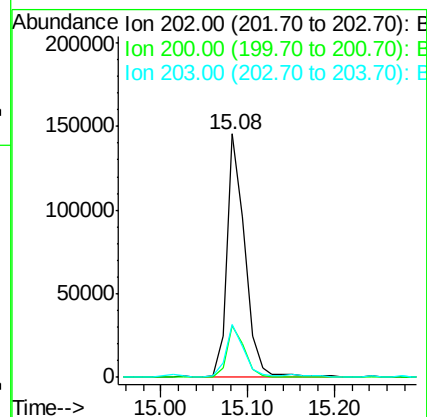
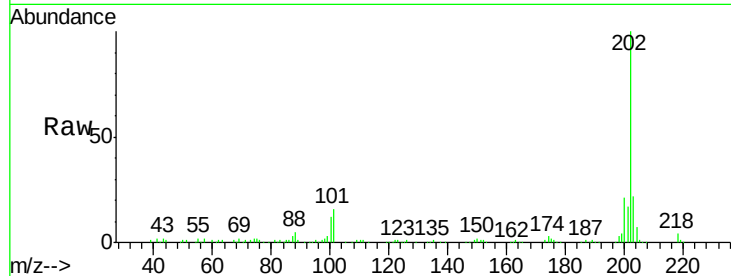




#77
Pyrene
Concen: 8.67 ng
RT: 15.08 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

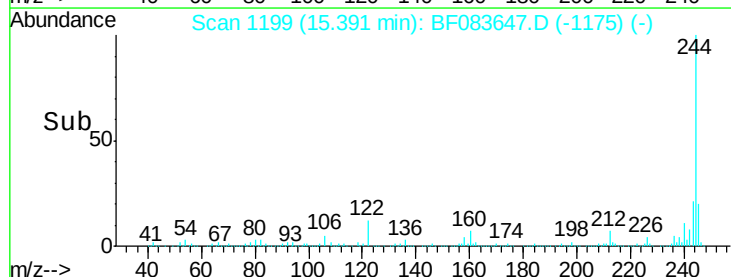
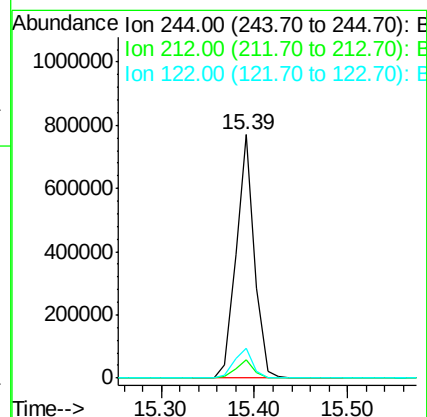
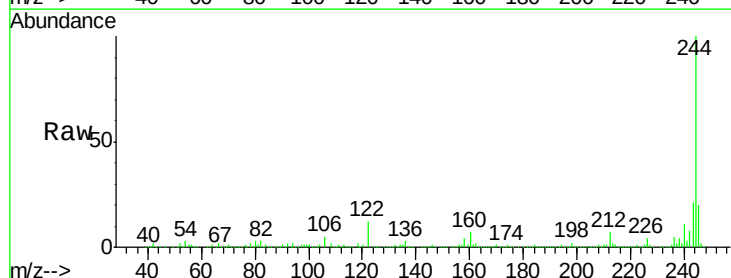
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-8-20151207

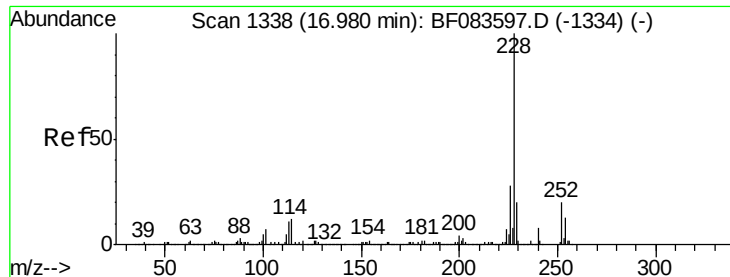
Tgt Ion: 202 Resp: 207527
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 21.5 14.3 21.5#



#78
Terphenyl-d14
Concen: 73.71 ng
RT: 15.39 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

Tgt Ion: 244 Resp: 1041231
Ion Ratio Lower Upper
244 100
212 7.4 6.1 9.1
122 12.2 11.0 16.6

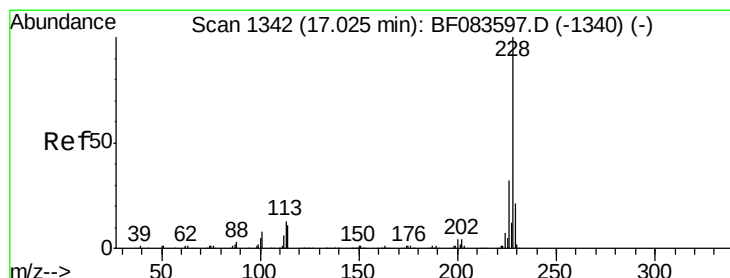
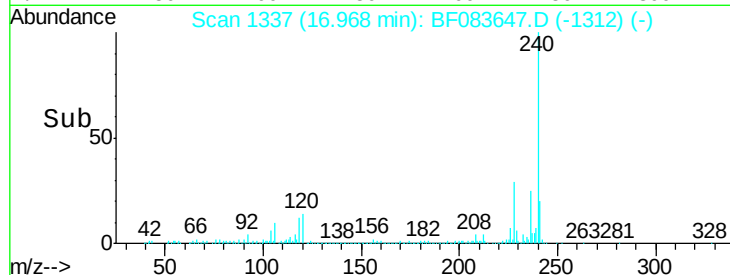
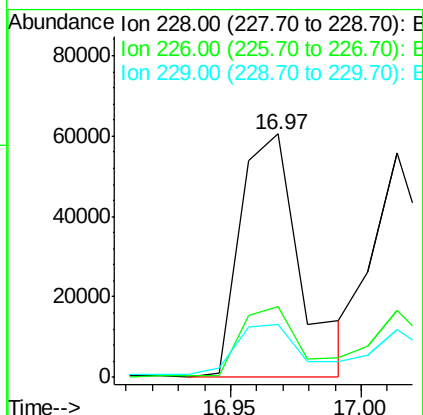
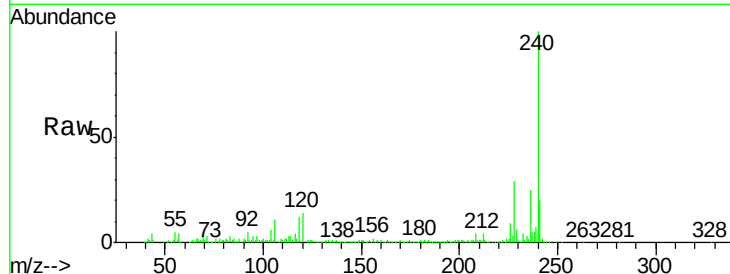




#80
Benzo(a)anthracene
Concen: 5.03 ng
RT: 16.97 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

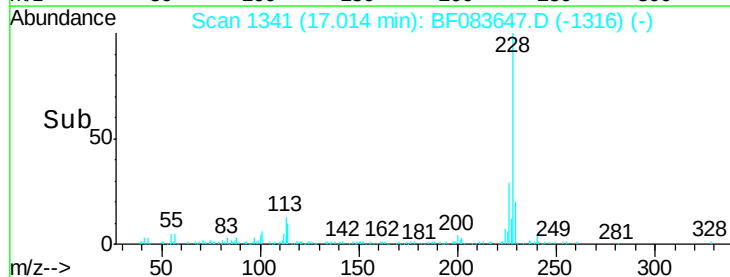
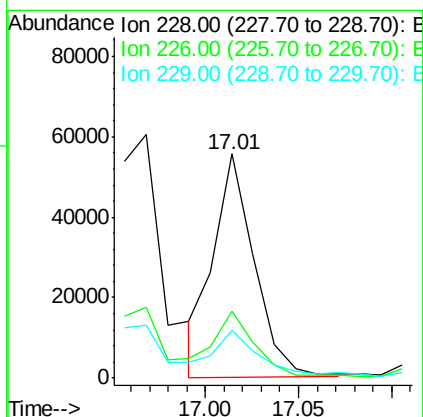
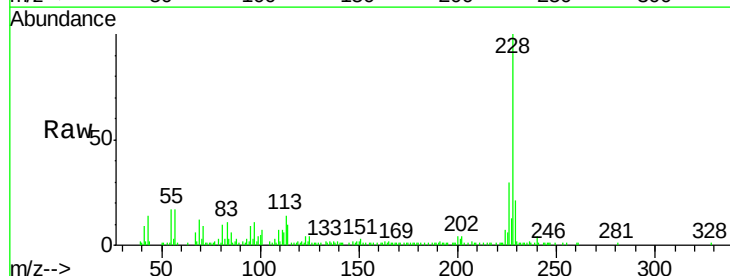
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-8-20151207

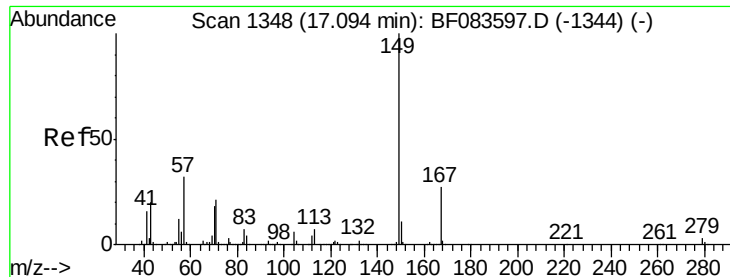
Tgt Ion:228 Resp: 97887
Ion Ratio Lower Upper
228 100
226 29.3 22.3 33.5
229 21.7 15.7 23.5



#82
Chrysene
Concen: 4.37 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

Tgt Ion:228 Resp: 85295
Ion Ratio Lower Upper
228 100
226 30.0 24.7 37.1
229 21.3 16.3 24.5

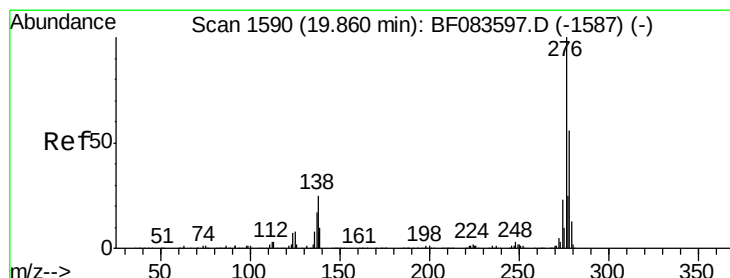
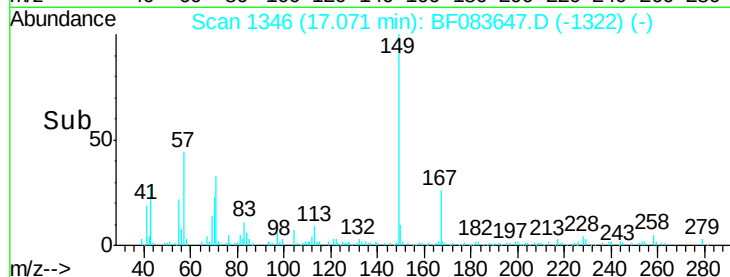
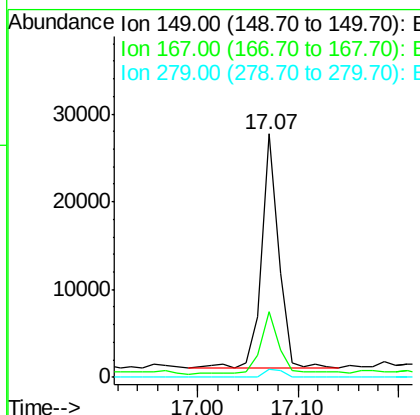
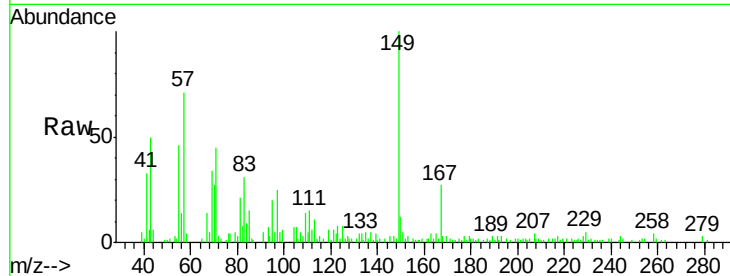




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.13 ng
 RT: 17.07 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: BF083647.D
 Acq: 9 Dec 2015 19:02

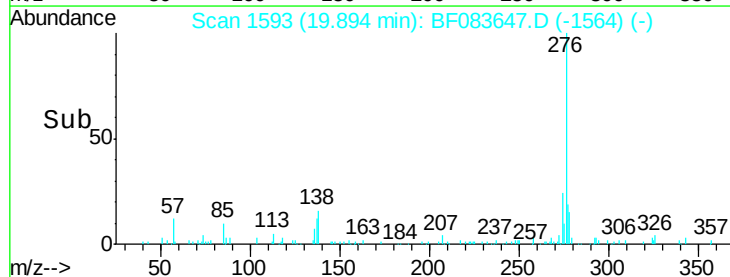
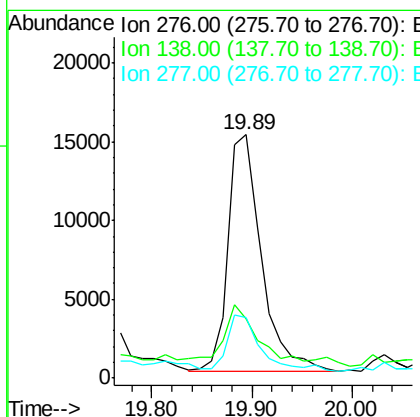
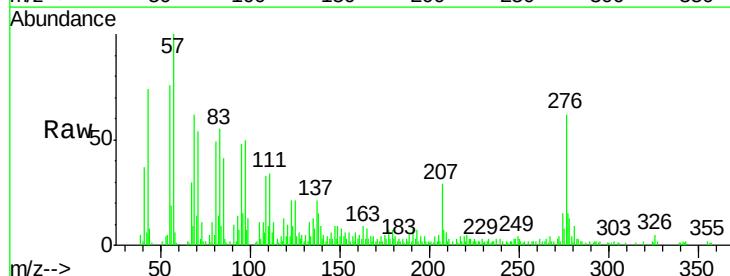
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-8-20151207

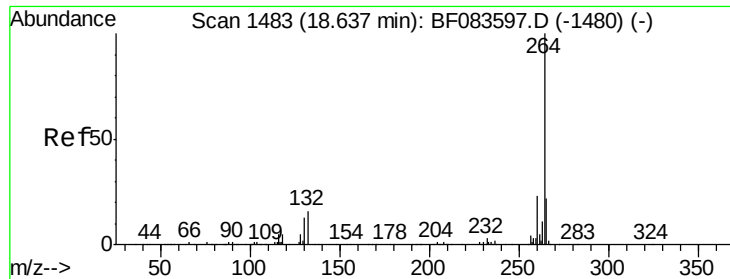
Tgt Ion:149 Resp: 31428
 Ion Ratio Lower Upper
 149 100
 167 26.9 21.8 32.8
 279 3.1 3.0 4.4



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.63 ng
 RT: 19.89 min Scan# 1593
 Delta R.T. 0.03 min
 Lab File: BF083647.D
 Acq: 9 Dec 2015 19:02

Tgt Ion:276 Resp: 34635
 Ion Ratio Lower Upper
 276 100
 138 29.8 0.0 0.0#
 277 23.5 0.0 0.0#

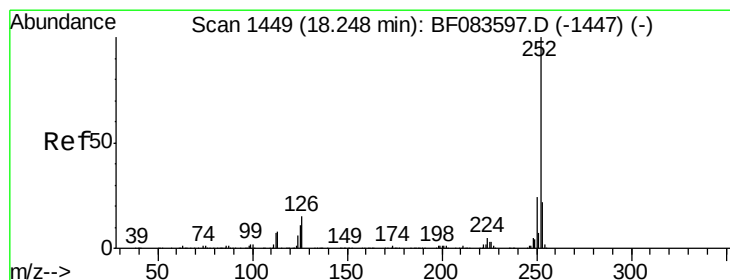
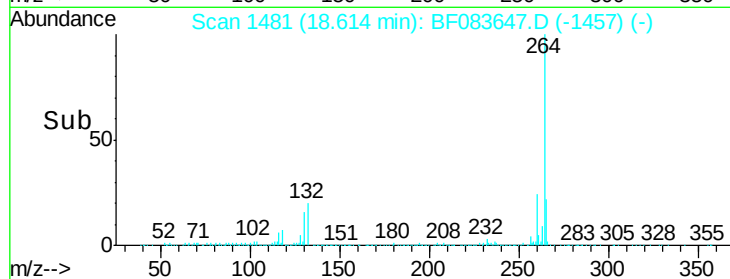
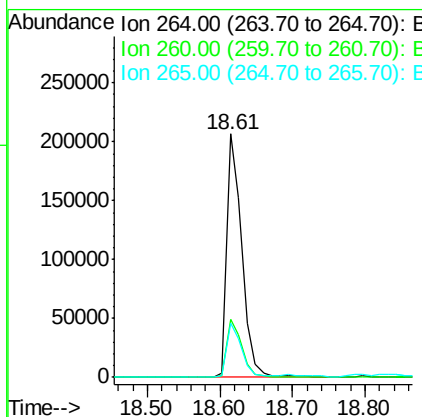
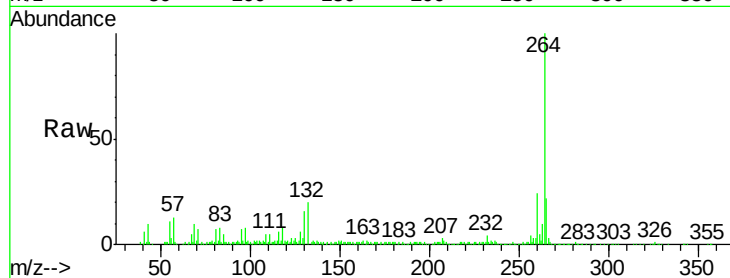




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.61 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

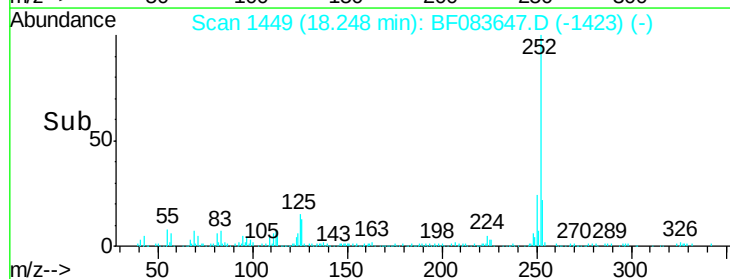
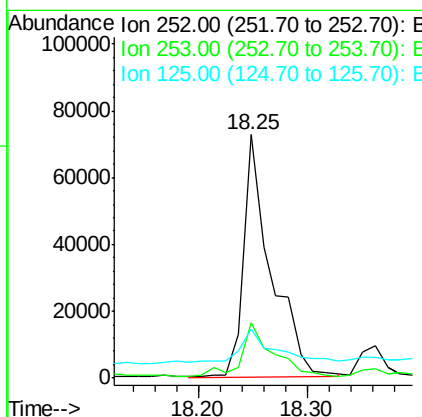
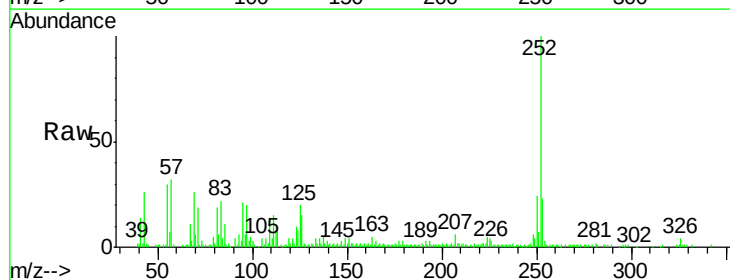
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-8-20151207

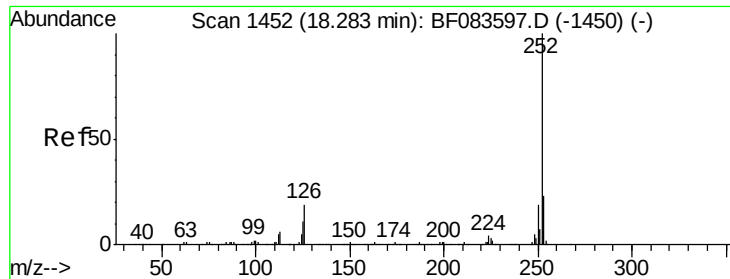
Tgt Ion:264 Resp: 294030
Ion Ratio Lower Upper
264 100
260 24.0 19.4 29.0
265 22.1 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 7.55 ng
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

Tgt Ion:252 Resp: 126344
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 19.9 8.2 12.4#

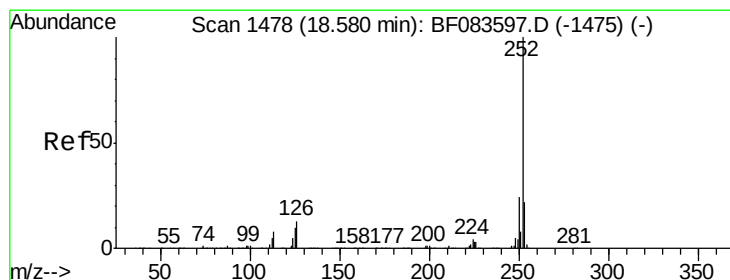
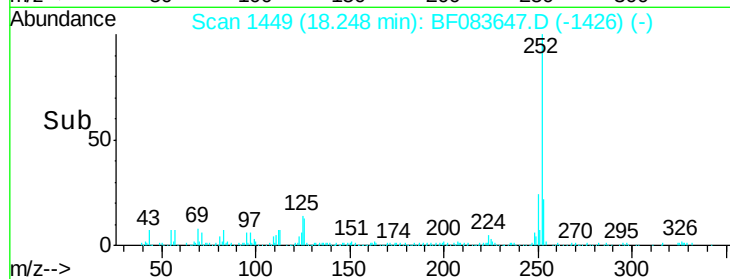
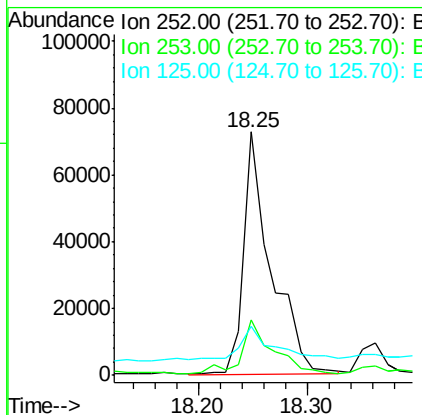
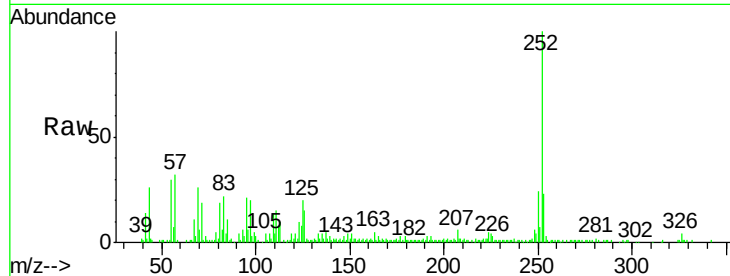




#88
Benzo(k)fluoranthene
Concen: 6.85 ng
RT: 18.25 min Scan# 1449
Delta R.T. -0.03 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

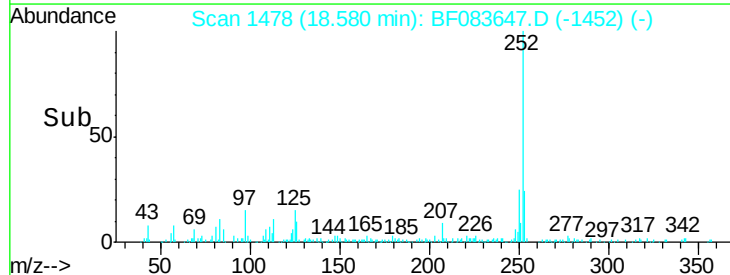
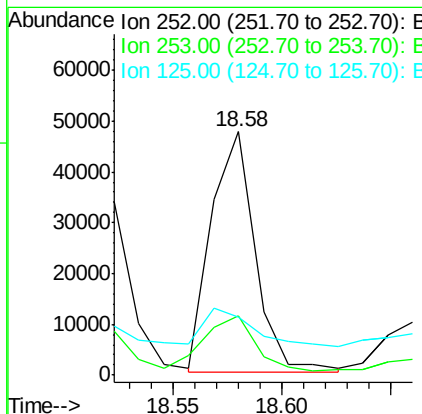
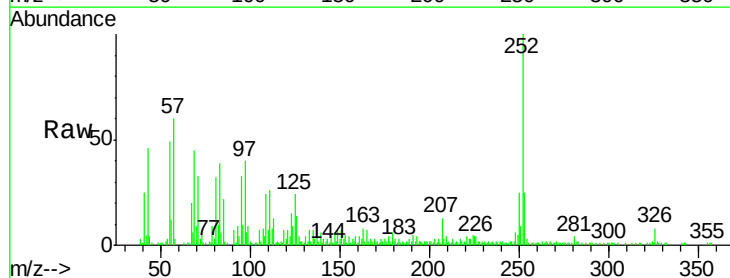
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-8-20151207

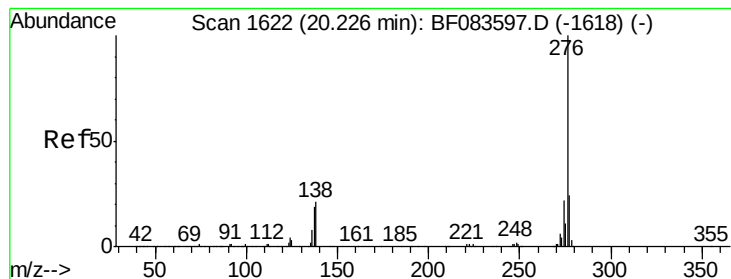
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.6	27.8
125	19.9	11.5	17.3#



#89
Benzo(a)pyrene
Concen: 4.09 ng
RT: 18.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF083647.D
Acq: 9 Dec 2015 19:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.5	26.3
125	24.0	11.0	16.6#





#91

Benzo(g,h,i)perylene

Concen: 2.80 ng

RT: 20.25 min Scan# 1624

Delta R.T. 0.02 min

Lab File: BF083647.D

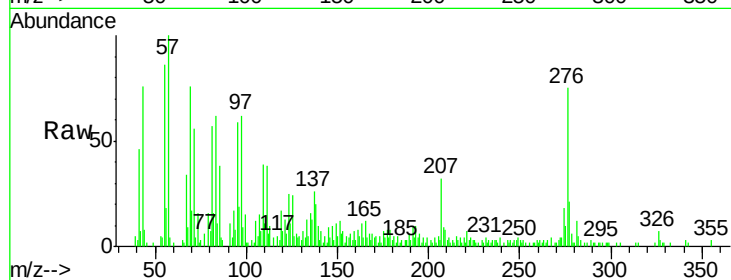
Acq: 9 Dec 2015 19:02

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 276 Resp: 34093

Ion Ratio Lower Upper

276 100

277 27.6 19.2 28.8

138 26.8 19.5 29.3

