

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120315\
 Data File : BF083475.D
 Acq On : 3 Dec 2015 22:51
 Operator : UM/IZ
 Sample : G4608-04
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-6-20151130

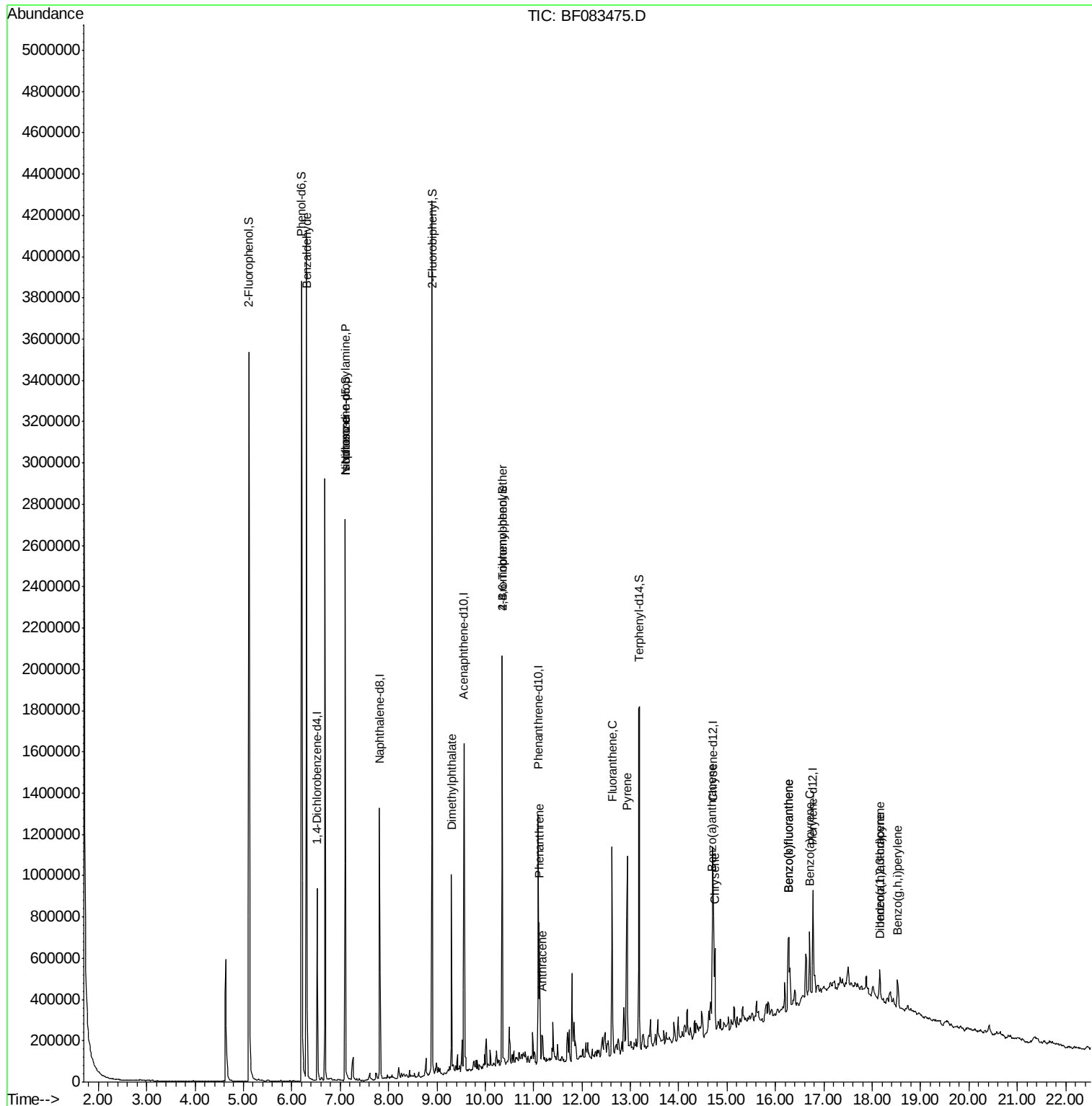
Quant Time: Dec 04 00:43:02 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF113015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 01 01:17:16 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.52	152	167145	20.00	ng	-0.02
21) Naphthalene-d8	7.81	136	608403	20.00	ng	-0.02
38) Acenaphthene-d10	9.56	164	304601	20.00	ng	-0.02
63) Phenanthrene-d10	11.09	188	476988	20.00	ng	-0.03
75) Chrysene-d12	14.71	240	372376	20.00	ng	-0.06
86) Perylene-d12	16.77	264	302351	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.12	112	1067677	95.85	ng	-0.01
7) Phenol-d6	6.20	99	1376116	90.26	ng	-0.02
23) Nitrobenzene-d5	7.10	82	994316	71.84	ng	-0.02
41) 2,4,6-Tribromophenol	10.35	330	242032	79.15	ng	-0.03
44) 2-Fluorobiphenyl	8.90	172	1267889	59.32	ng	-0.02
78) Terphenyl-d14	13.19	244	876985	56.17	ng	-0.03
Target Compounds						Qvalue
9) Benzaldehyde	6.30	77	28156	2.06	ng	83
19) n-Nitroso-di-n-propylamine	7.10	70	134488	12.34	ng	# 78
25) Isophorone	7.10	82	731958	27.30	ng	# 70
49) Dimethylphthalate	9.30	163	345940	13.98	ng	99
66) 4-Bromophenyl-phenylether	10.35	248	16741	3.21	ng	# 1
70) Phenanthrene	11.12	178	314998	11.16	ng	99
71) Anthracene	11.18	178	85624	3.01	ng	97
74) Fluoranthene	12.63	202	523018	17.87	ng	94
77) Pyrene	12.93	202	499212	19.20	ng	99
80) Benzo(a)anthracene	14.69	228	249877	10.95	ng	98
82) Chrysene	14.75	228	234175	10.62	ng	97
85) Indeno(1,2,3-cd)pyrene	18.16	276	99356	6.19	ng	94
87) Benzo(b)fluoranthene	16.27	252	337758	17.41	ng	98
88) Benzo(k)fluoranthene	16.27	252	336379	18.36	ng	# 96
89) Benzo(a)pyrene	16.71	252	179267	10.76	ng	# 96
90) Dibenzo(a,h)anthracene	18.17	278	33928	2.34	ng	# 82
91) Benzo(g,h,i)perylene	18.52	276	99713	7.00	ng	95

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 01 01:17:16 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.52 min Scan# 423

Delta R.T. -0.02 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-6-20151130

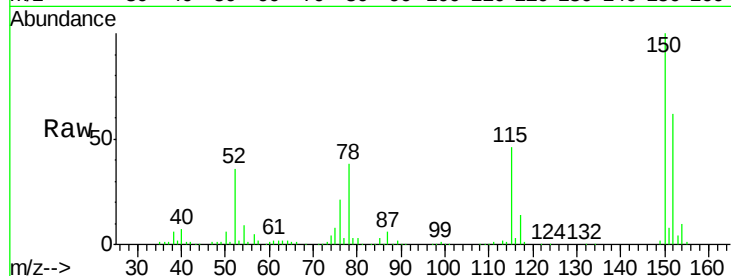
Tgt Ion:152 Resp: 167145

Ion Ratio Lower Upper

152 100

150 160.8 129.8 194.8

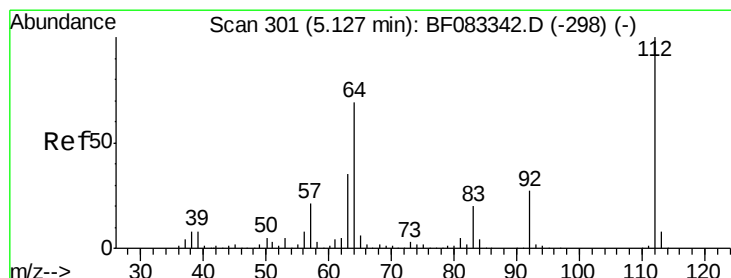
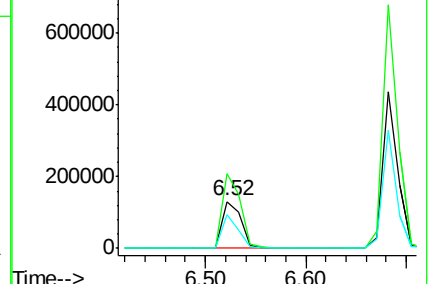
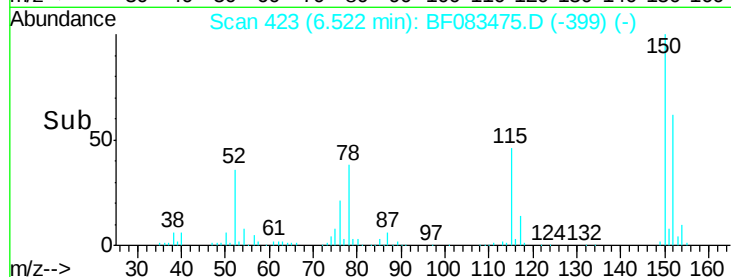
115 73.3 59.2 88.8



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: 95.85 ng

RT: 5.12 min Scan# 300

Delta R.T. -0.01 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

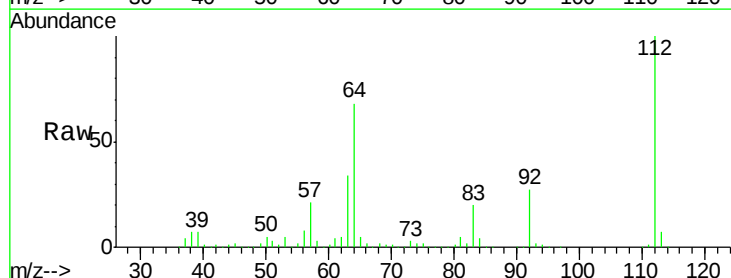
Tgt Ion:112 Resp: 1067677

Ion Ratio Lower Upper

112 100

64 68.3 55.6 83.4

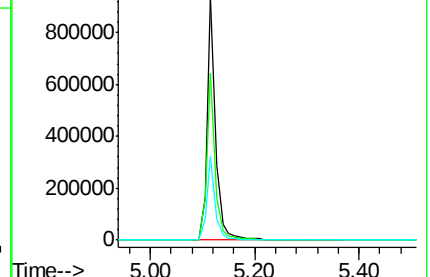
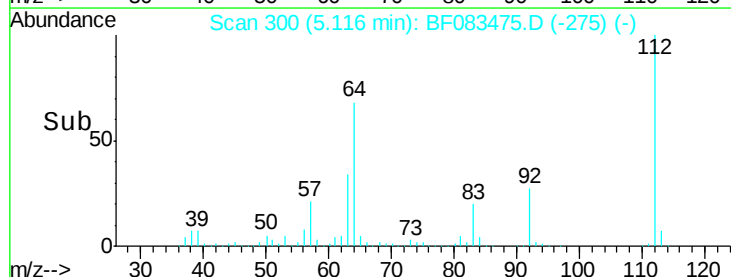
63 34.5 28.2 42.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 90.26 ng

RT: 6.20 min Scan# 395

Delta R.T. -0.02 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-6-20151130

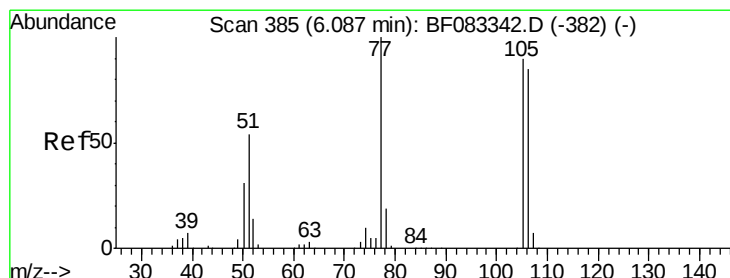
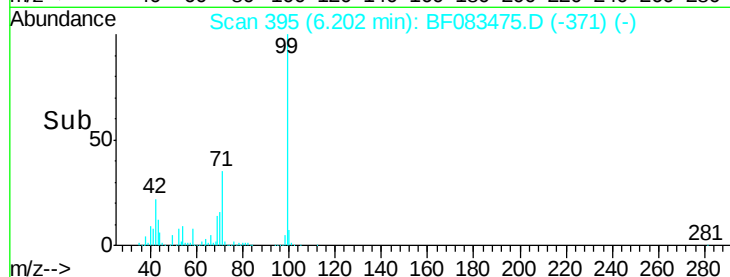
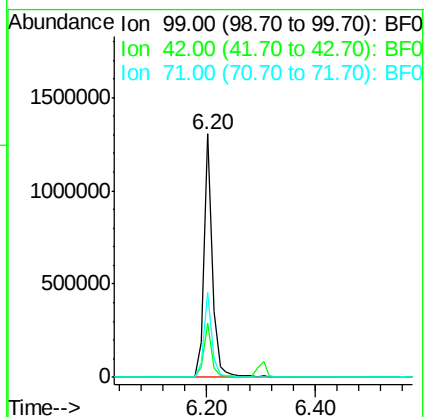
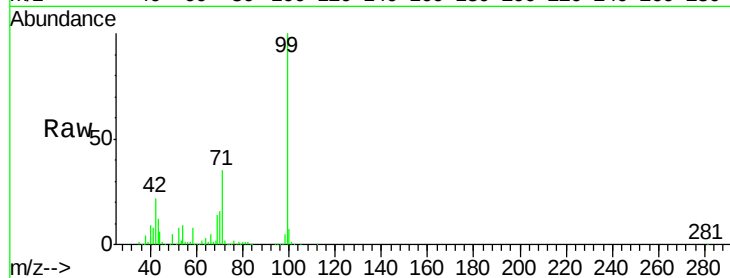
Tgt Ion: 99 Resp: 1376116

Ion Ratio Lower Upper

99 100

42 22.3 14.9 22.3

71 34.8 24.7 37.1



#9

Benzaldehyde

Concen: 2.06 ng

RT: 6.30 min Scan# 404

Delta R.T. 0.22 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

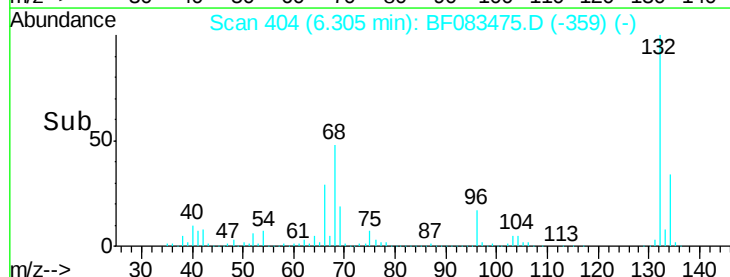
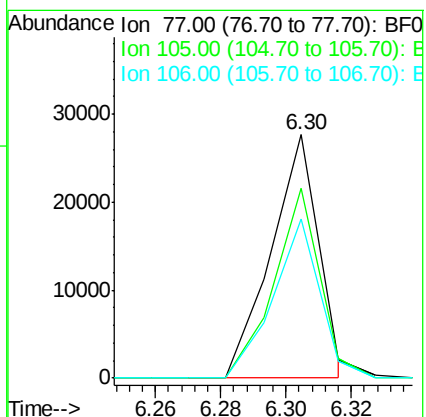
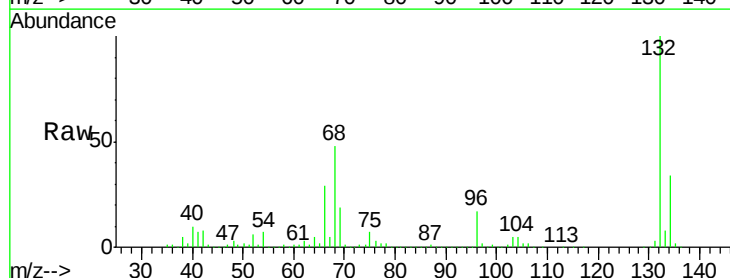
Tgt Ion: 77 Resp: 28156

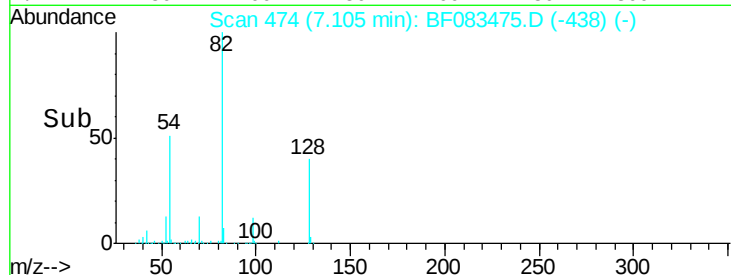
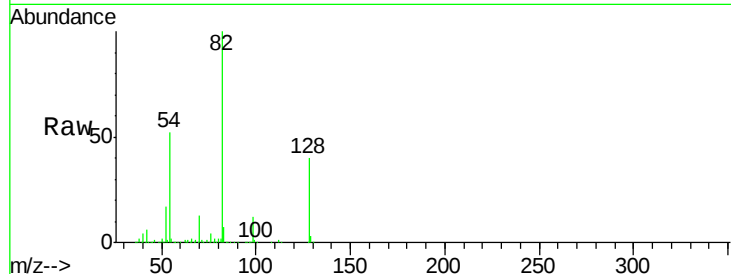
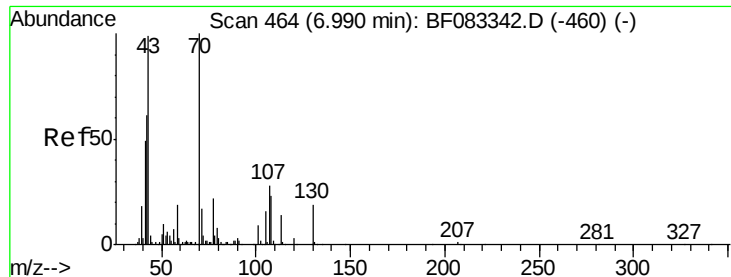
Ion Ratio Lower Upper

77 100

105 77.8 70.0 110.0

106 65.2 65.0 105.0

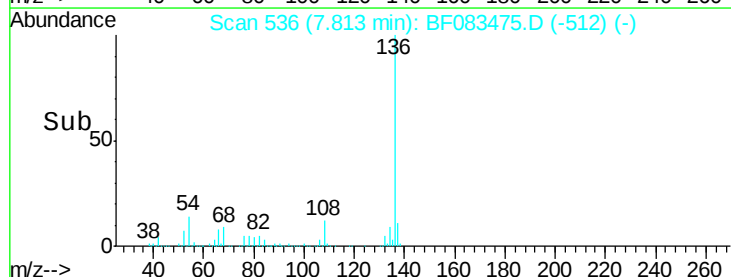
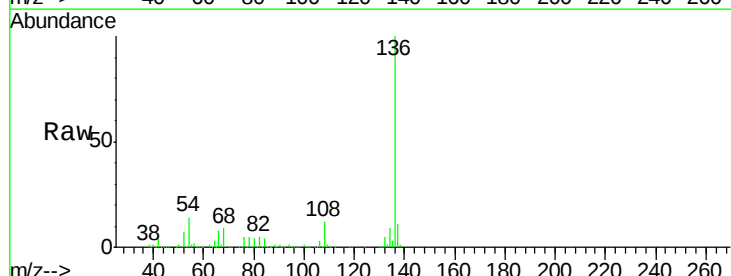
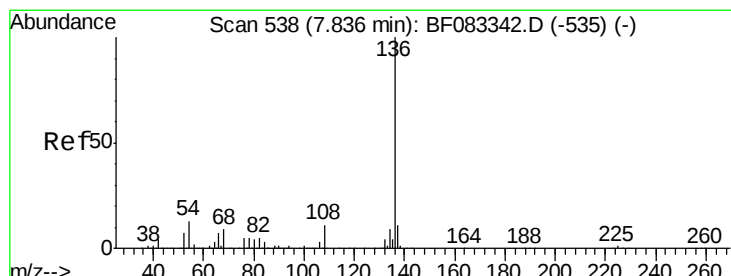
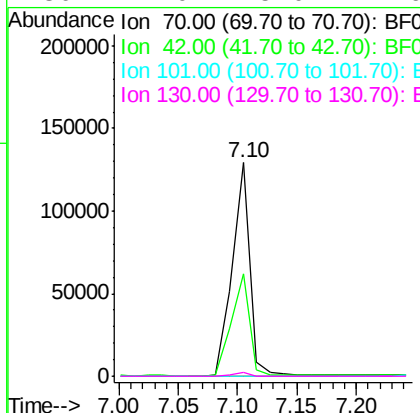




#19
n-Nitroso-di-n-propylamine
Concen: 12.34 ng
RT: 7.10 min Scan# 474
Delta R.T. 0.11 min
Lab File: BF083475.D
Acq: 3 Dec 2015 22:51

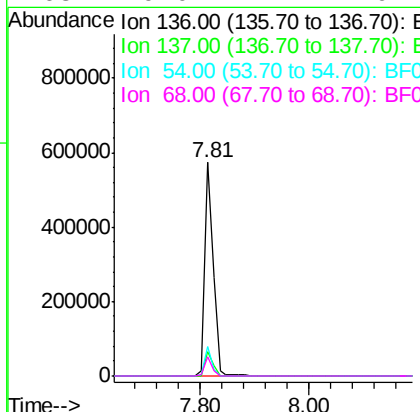
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-6-20151130

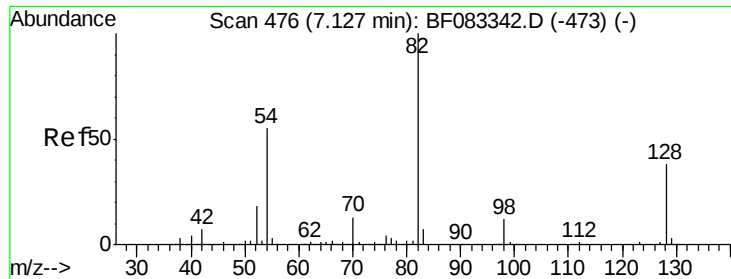
Tgt Ion: 70 Resp: 134488
Ion Ratio Lower Upper
70 100
42 47.9 48.8 73.2#
101 0.0 7.1 10.7#
130 2.0 15.0 22.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.81 min Scan# 536
Delta R.T. -0.02 min
Lab File: BF083475.D
Acq: 3 Dec 2015 22:51

Tgt Ion: 136 Resp: 608403
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.4
54 13.6 10.1 15.1
68 9.0 7.1 10.7

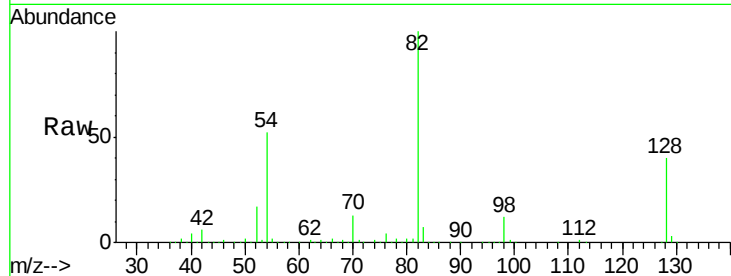




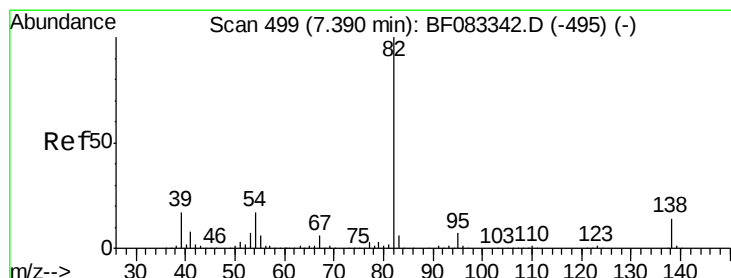
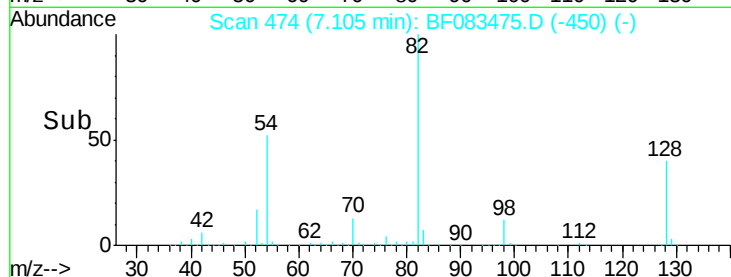
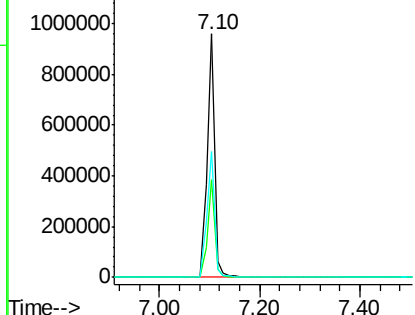
#23
 Nitrobenzene-d5
 Concen: 71.84 ng
 RT: 7.10 min Scan# 474
 Delta R.T. -0.02 min
 Lab File: BF083475.D
 Acq: 3 Dec 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-6-20151130

Tgt Ion: 82 Resp: 994316
 Ion Ratio Lower Upper
 82 100
 128 40.0 30.6 46.0
 54 51.8 43.8 65.6

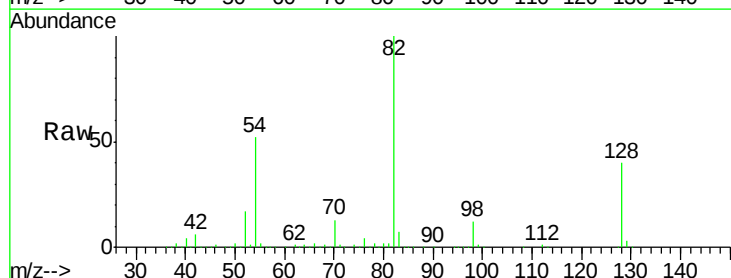


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

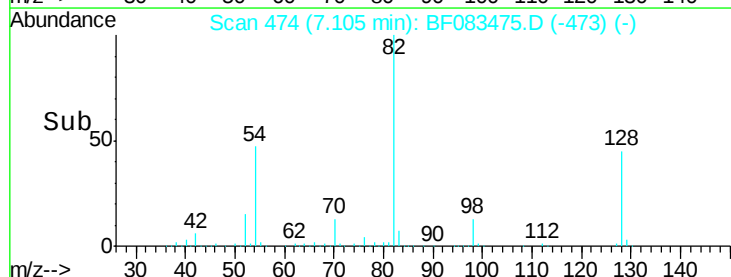
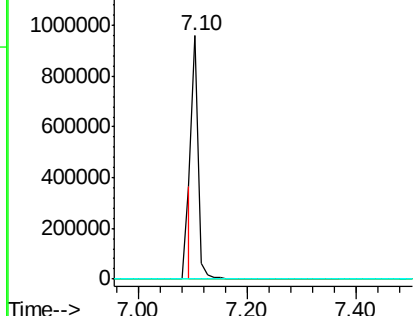


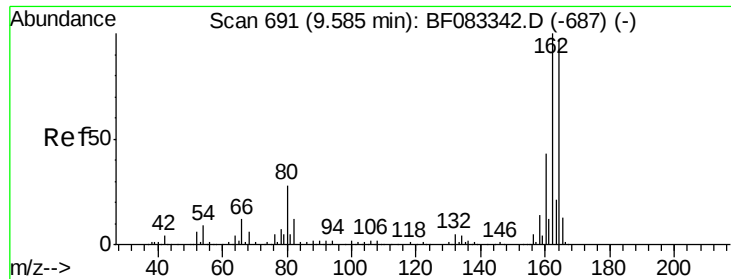
#25
 Isophorone
 Concen: 27.30 ng
 RT: 7.10 min Scan# 474
 Delta R.T. -0.29 min
 Lab File: BF083475.D
 Acq: 3 Dec 2015 22:51

Tgt Ion: 82 Resp: 731958
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.3 7.9#
 138 0.0 11.6 17.4#



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

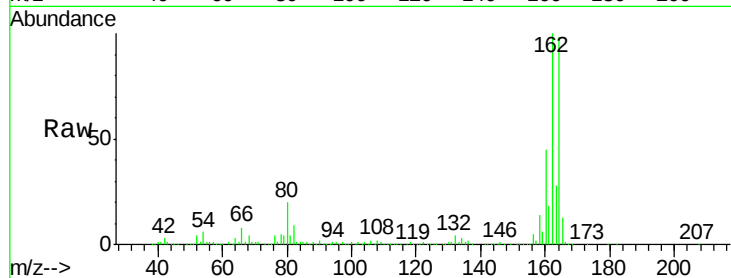




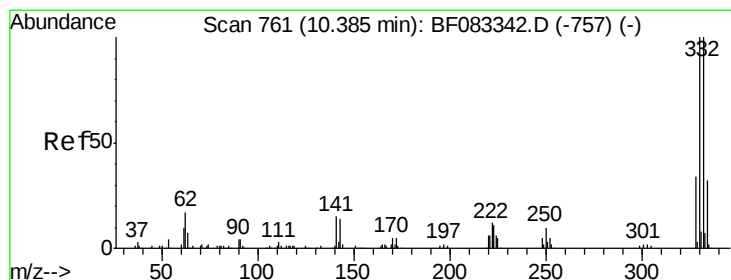
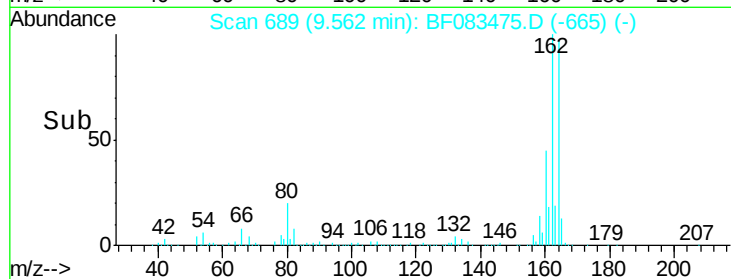
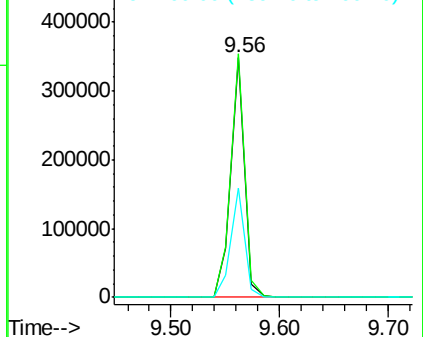
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.56 min Scan# 689
Delta R.T. -0.02 min
Lab File: BF083475.D
Acq: 3 Dec 2015 22:51

Instrument :
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ClientSampleId :
CWC-MISC-6-20151130

Tgt Ion:164 Resp: 304601
Ion Ratio Lower Upper
164 100
162 101.7 82.6 123.8
160 45.8 35.3 52.9

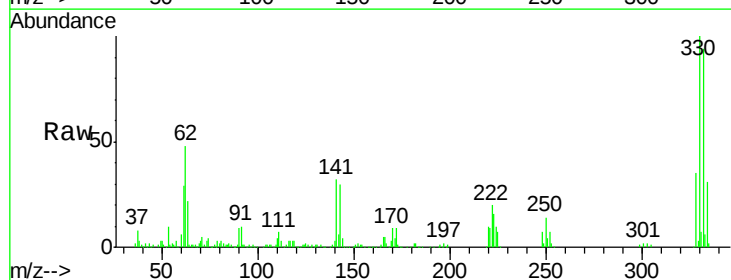


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

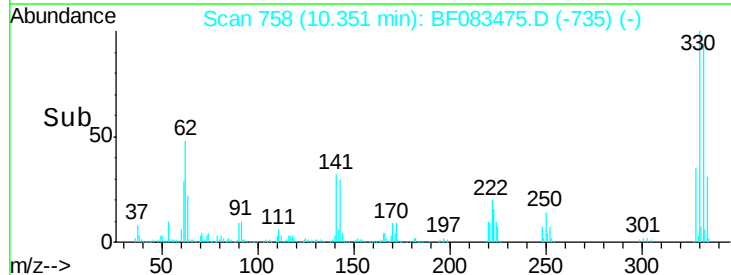
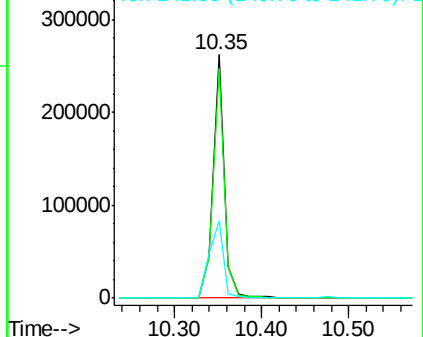


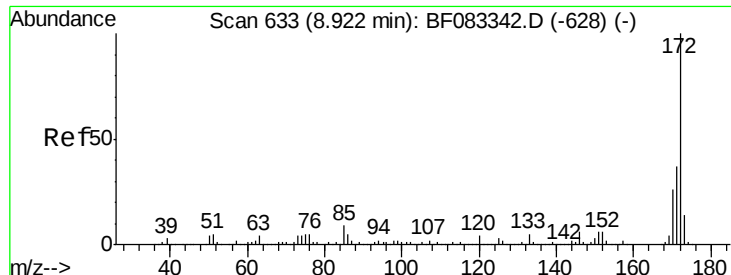
#41
2,4,6-Tribromophenol
Concen: 79.15 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.03 min
Lab File: BF083475.D
Acq: 3 Dec 2015 22:51

Tgt Ion:330 Resp: 242032
Ion Ratio Lower Upper
330 100
332 94.6 77.8 116.6
141 39.8 29.4 44.0



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

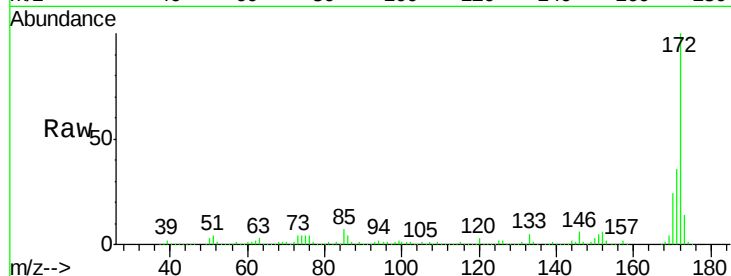




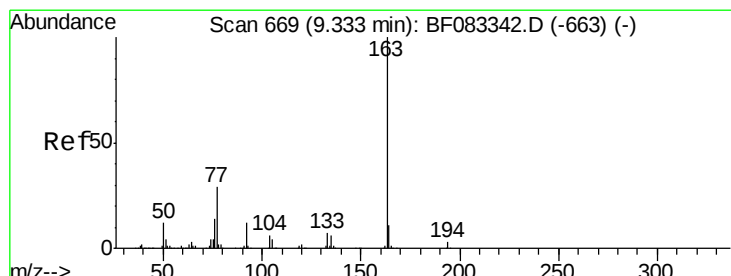
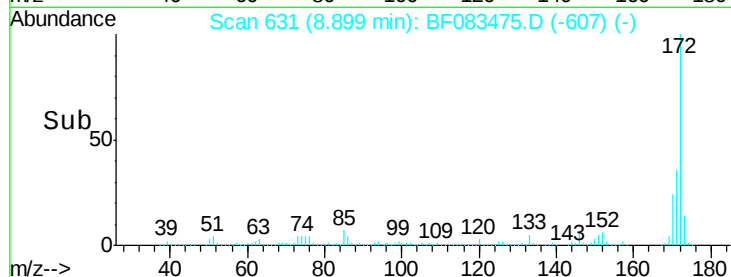
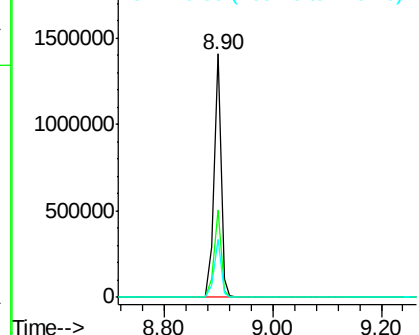
#44
 2-Fluorobiphenyl
 Concen: 59.32 ng
 RT: 8.90 min Scan# 631
 Delta R.T. -0.02 min
 Lab File: BF083475.D
 Acq: 3 Dec 2015 22:51

Instrument :
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Tgt Ion:172 Resp: 1267889
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.4 44.0
 170 23.8 20.4 30.6

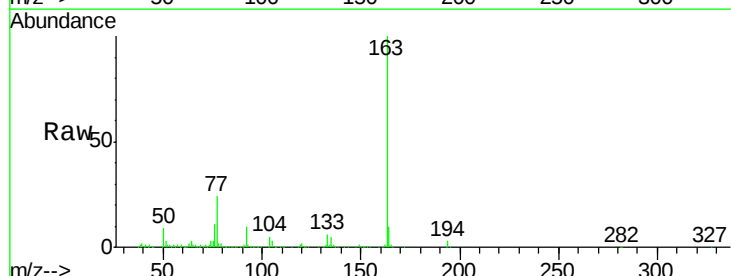


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

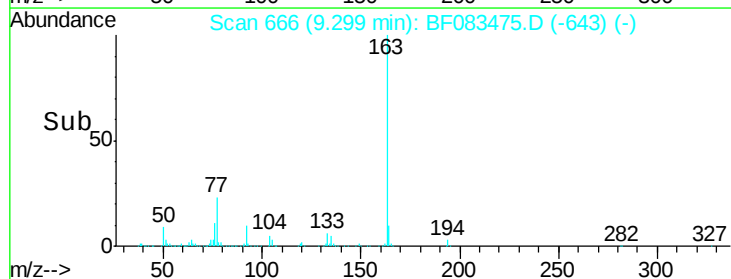
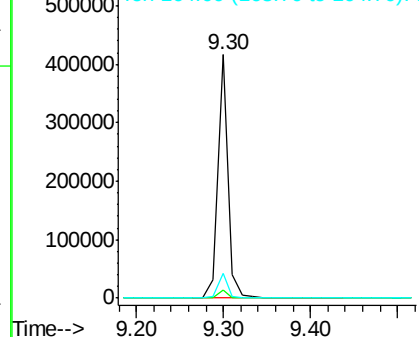


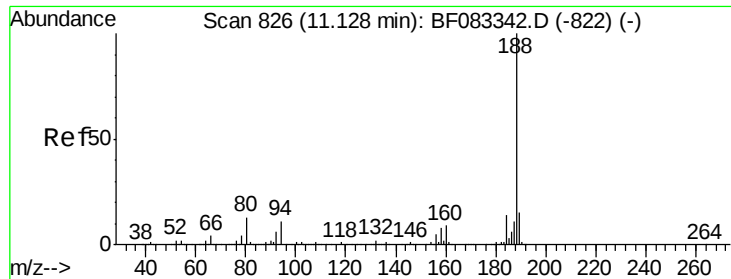
#49
 Dimethylphthalate
 Concen: 13.98 ng
 RT: 9.30 min Scan# 666
 Delta R.T. -0.03 min
 Lab File: BF083475.D
 Acq: 3 Dec 2015 22:51

Tgt Ion:163 Resp: 345940
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.7 4.1
 164 10.4 8.8 13.2



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

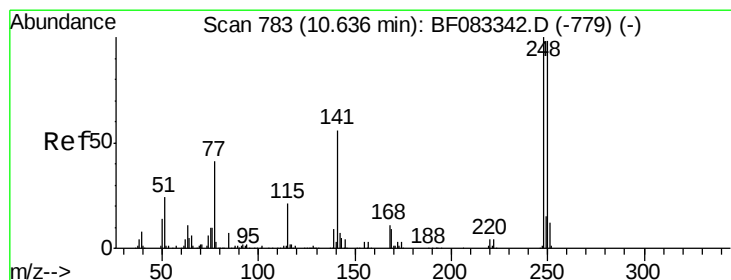
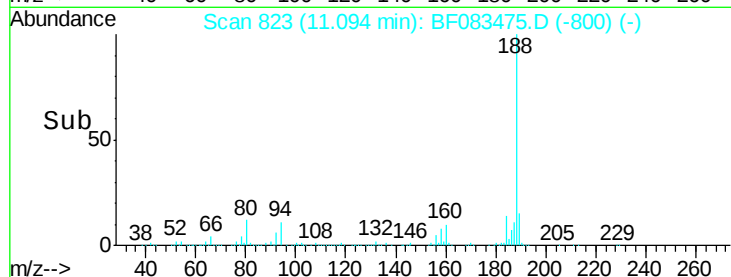
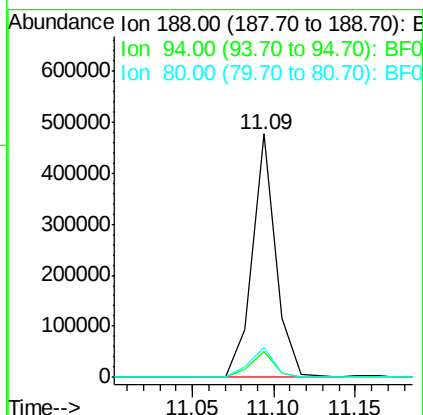
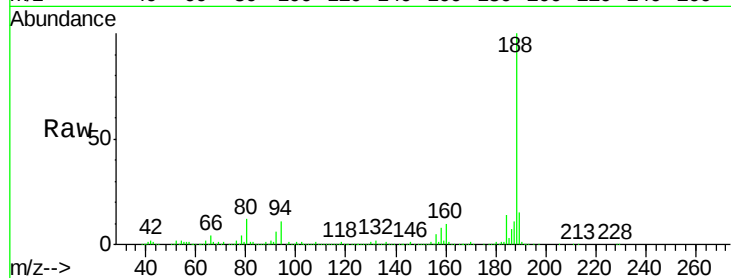




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.09 min Scan# 823
Delta R.T. -0.03 min
Lab File: BF083475.D
Acq: 3 Dec 2015 22:51

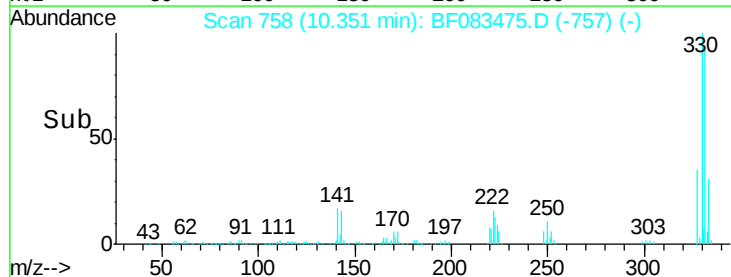
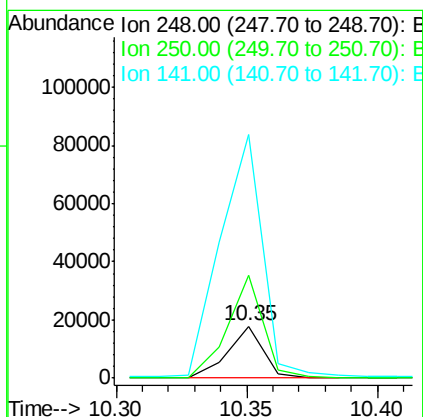
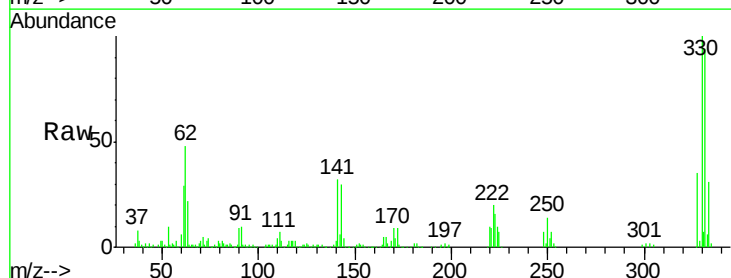
Instrument :
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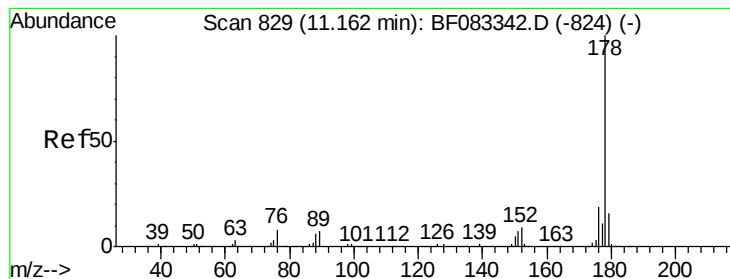
Tgt Ion:188 Resp: 476988
Ion Ratio Lower Upper
188 100
94 10.9 8.7 13.1
80 12.1 10.3 15.5



#66
4-Bromophenyl-phenylether
Concen: 3.21 ng
RT: 10.35 min Scan# 758
Delta R.T. -0.29 min
Lab File: BF083475.D
Acq: 3 Dec 2015 22:51

Tgt Ion:248 Resp: 16741
Ion Ratio Lower Upper
248 100
250 198.2 78.6 118.0#
141 468.5 44.4 66.6#





#70

Phenanthrene

Concen: 11.16 ng

RT: 11.12 min Scan# 825

Delta R.T. -0.05 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-6-20151130

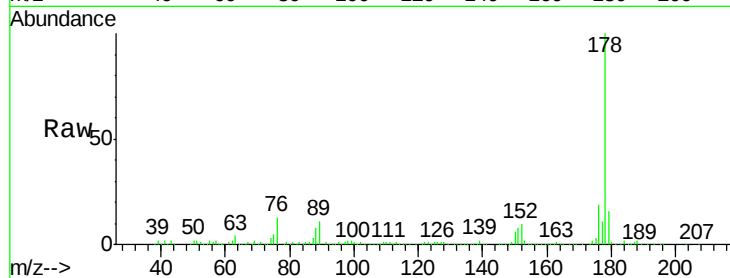
Tgt Ion:178 Resp: 314998

Ion Ratio Lower Upper

178 100

176 19.5 15.3 22.9

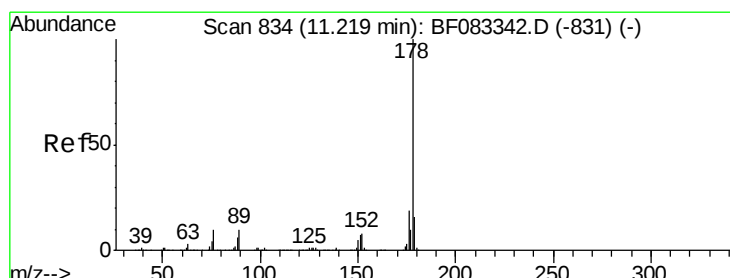
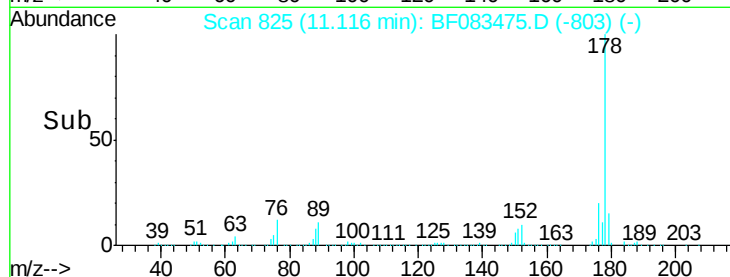
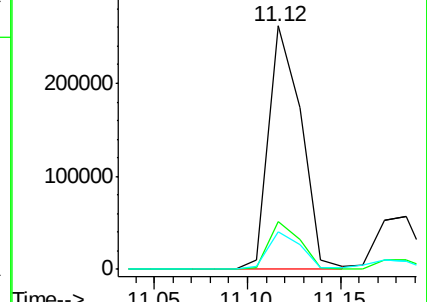
179 15.6 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 3.01 ng

RT: 11.18 min Scan# 831

Delta R.T. -0.03 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

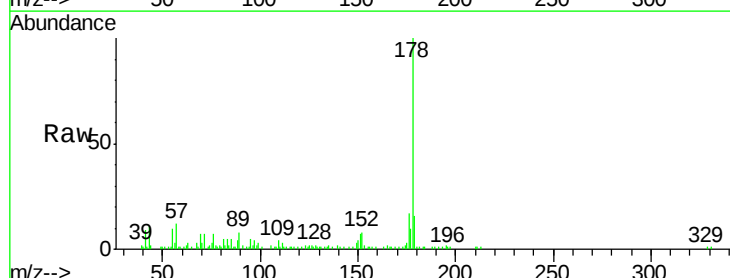
Tgt Ion:178 Resp: 85624

Ion Ratio Lower Upper

178 100

176 16.9 15.6 23.4

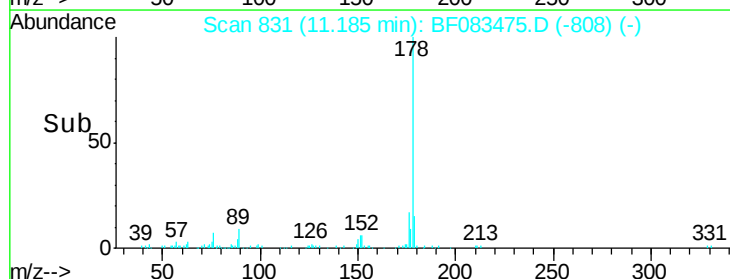
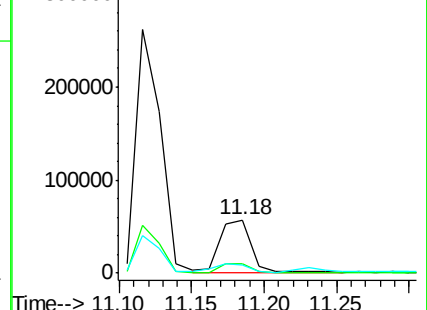
179 15.8 12.8 19.2

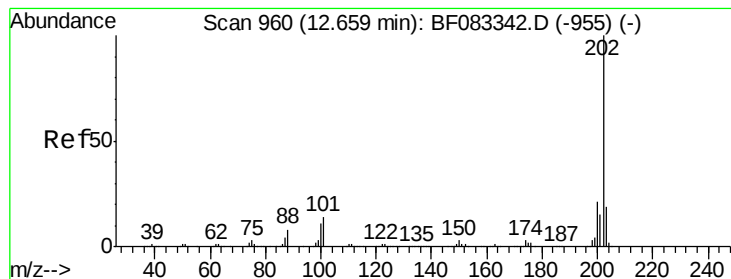


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 17.87 ng

RT: 12.63 min Scan# 957

Delta R.T. -0.03 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-6-20151130

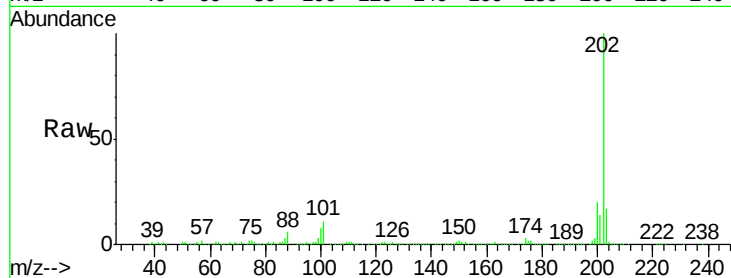
Tgt Ion:202 Resp: 523018

Ion Ratio Lower Upper

202 100

101 11.0 0.0 34.5

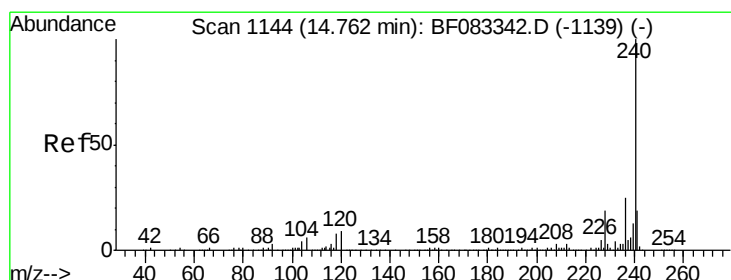
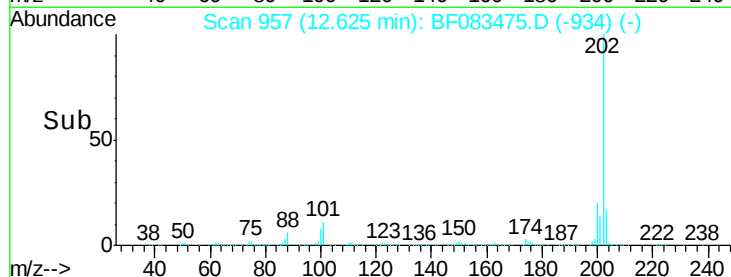
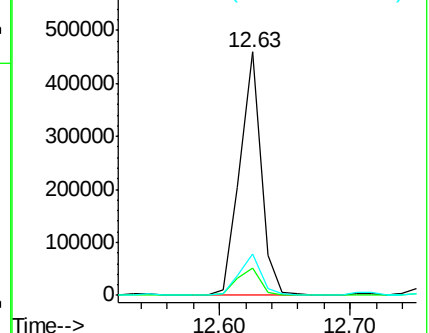
203 17.2 0.0 38.7



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: 14.71 min Scan# 1139

Delta R.T. -0.06 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

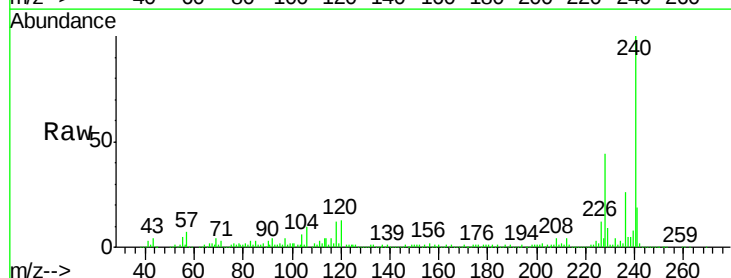
Tgt Ion:240 Resp: 372376

Ion Ratio Lower Upper

240 100

120 13.5 6.9 10.3#

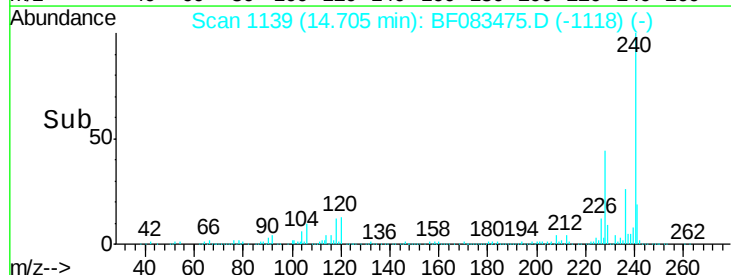
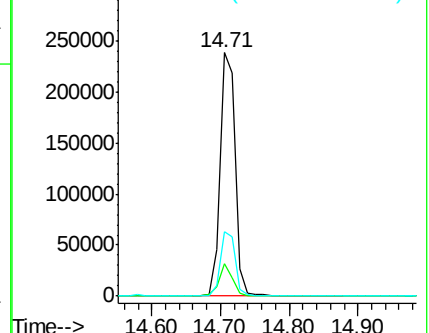
236 26.5 19.8 29.6

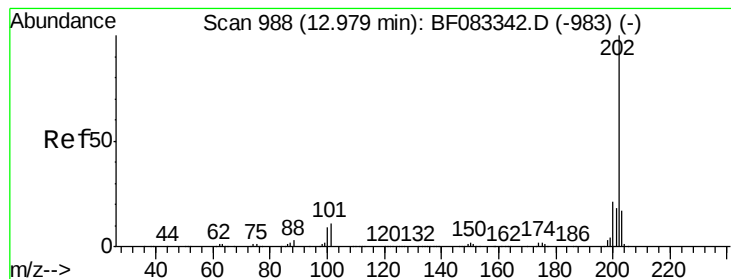


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 19.20 ng

RT: 12.93 min Scan# 984

Delta R.T. -0.05 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-6-20151130

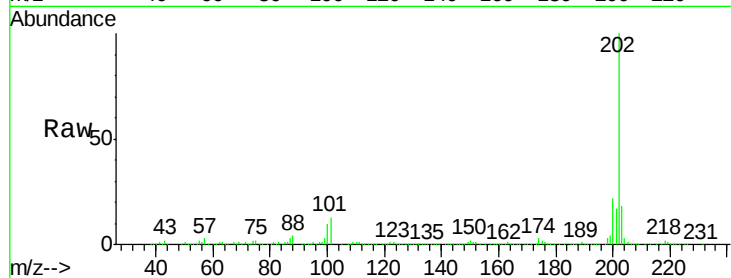
Tgt Ion: 202 Resp: 499212

Ion Ratio Lower Upper

202 100

200 21.5 16.9 25.3

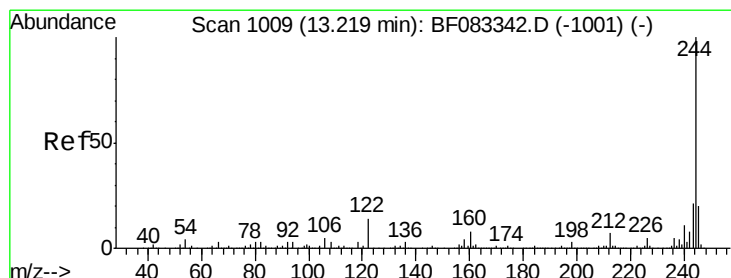
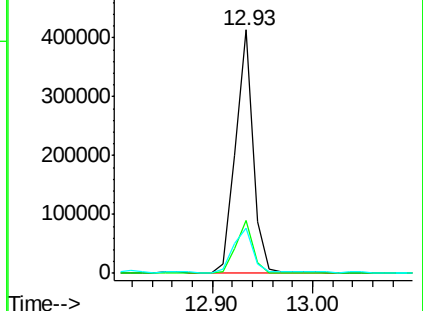
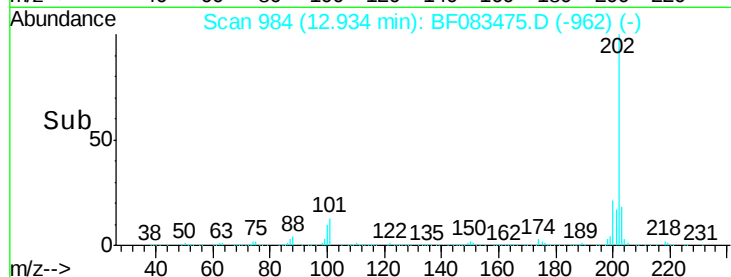
203 18.4 13.9 20.9



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: 56.17 ng

RT: 13.19 min Scan# 1006

Delta R.T. -0.03 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

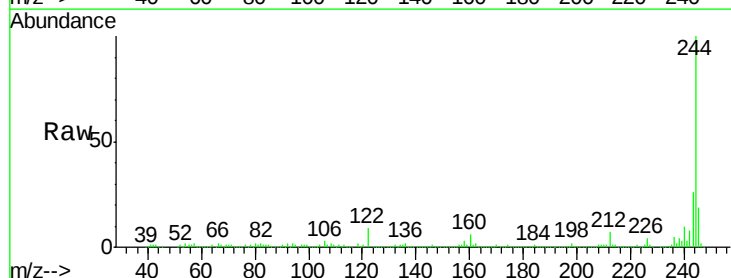
Tgt Ion: 244 Resp: 876985

Ion Ratio Lower Upper

244 100

212 7.0 5.8 8.8

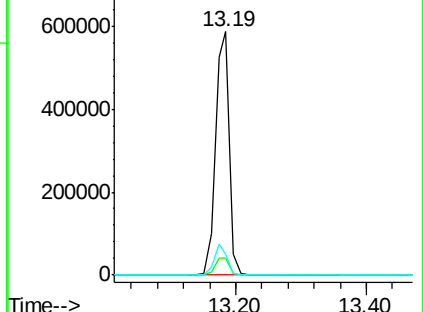
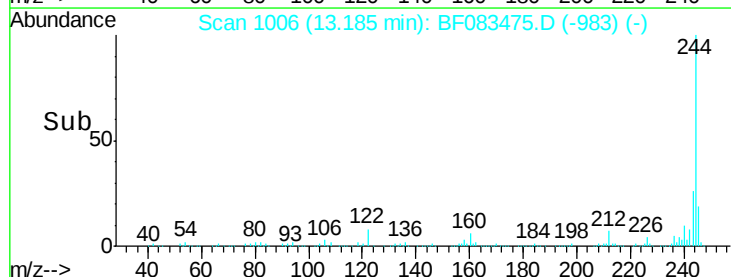
122 8.7 11.0 16.4#

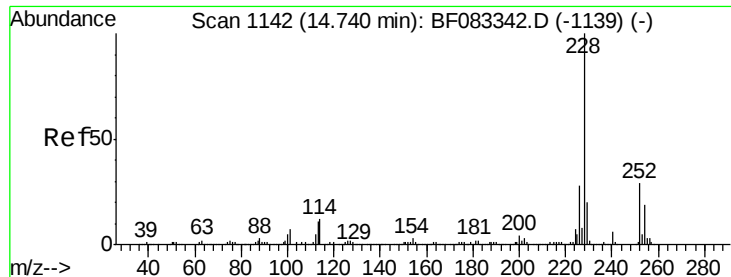


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.95 ng

RT: 14.69 min Scan# 1138

Delta R.T. -0.05 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-6-20151130

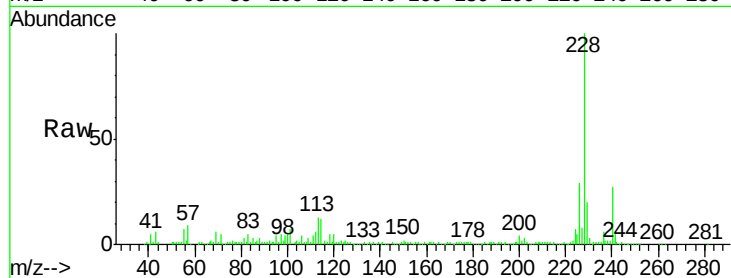
Tgt Ion:228 Resp: 249877

Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.4

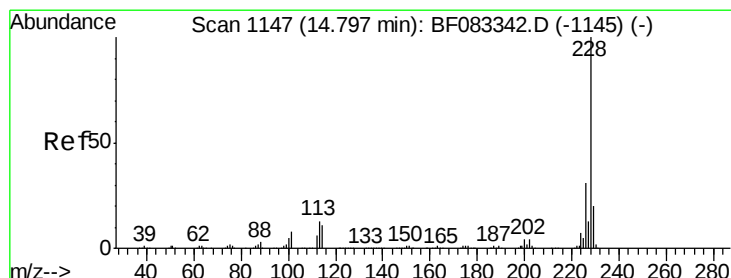
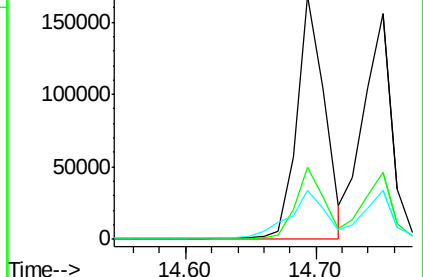
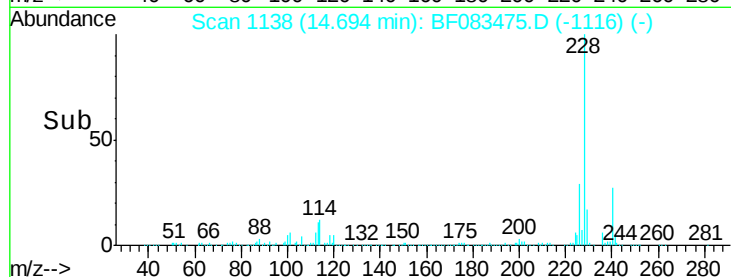
229 20.4 16.1 24.1



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: 10.62 ng

RT: 14.75 min Scan# 1143

Delta R.T. -0.05 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

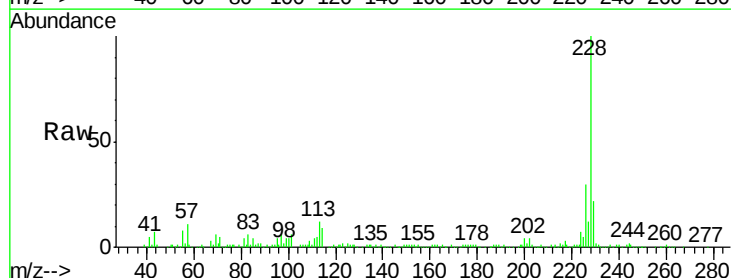
Tgt Ion:228 Resp: 234175

Ion Ratio Lower Upper

228 100

226 29.7 24.6 37.0

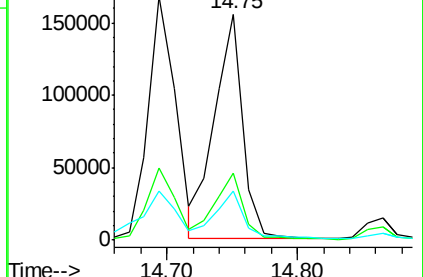
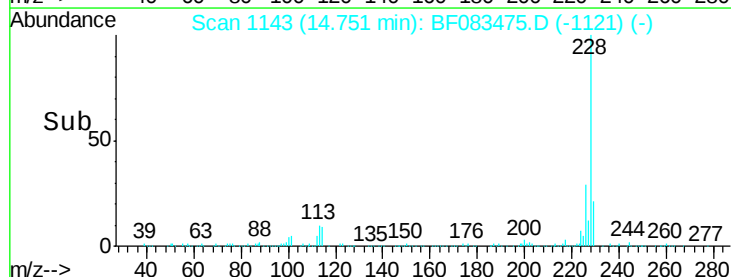
229 21.8 16.2 24.2

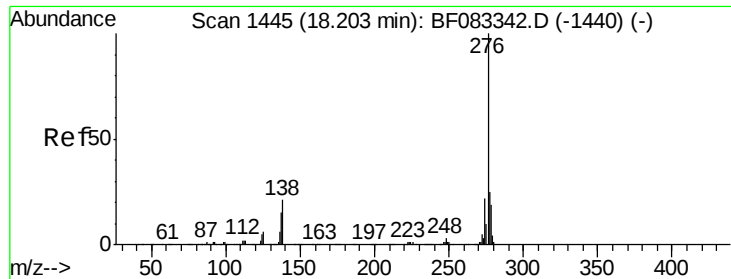


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

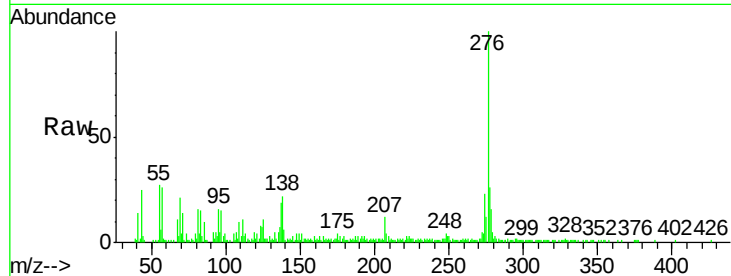




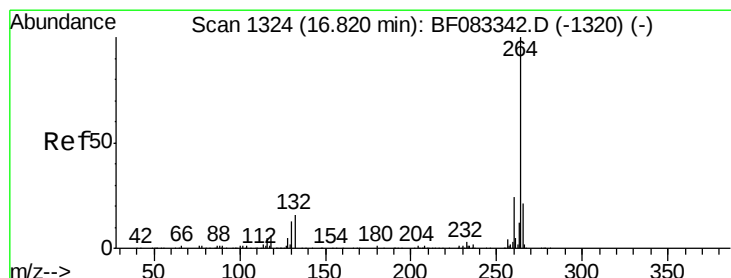
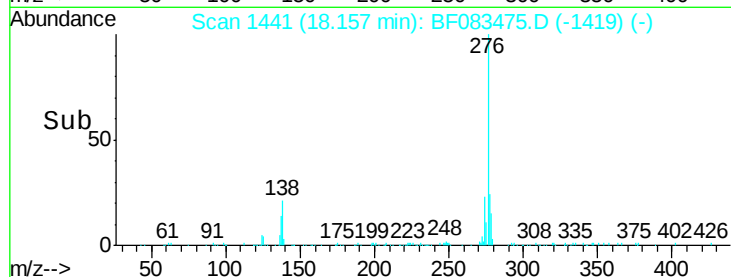
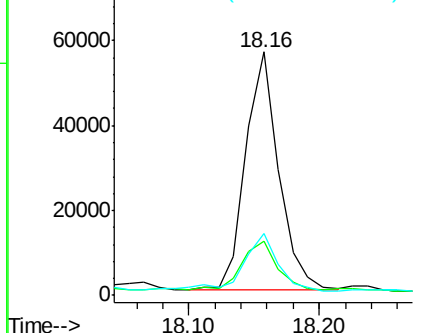
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.19 ng
 RT: 18.16 min Scan# 1441
 Delta R.T. -0.05 min
 Lab File: BF083475.D
 Acq: 3 Dec 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-6-20151130

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.0	21.2	31.8
277	26.2	20.0	30.0

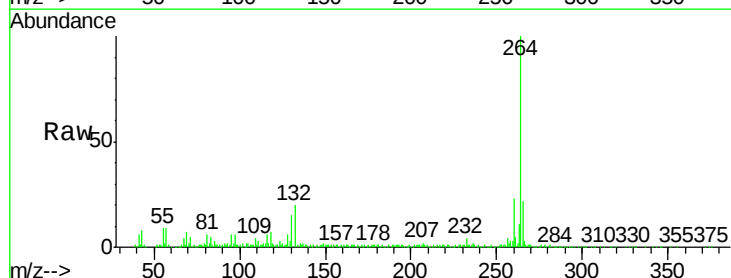


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

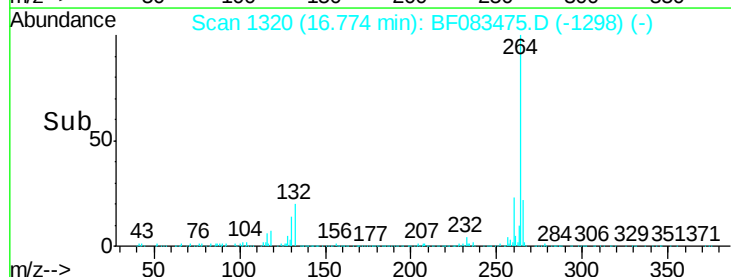
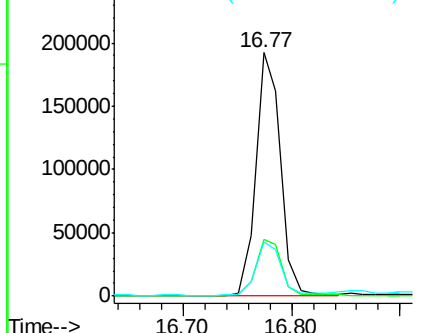


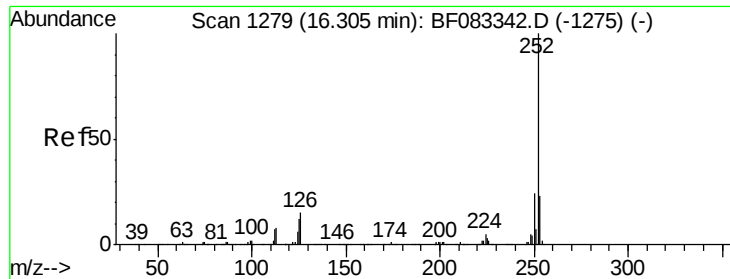
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.77 min Scan# 1320
 Delta R.T. -0.05 min
 Lab File: BF083475.D
 Acq: 3 Dec 2015 22:51

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.0	28.4
265	22.3	16.8	25.2



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

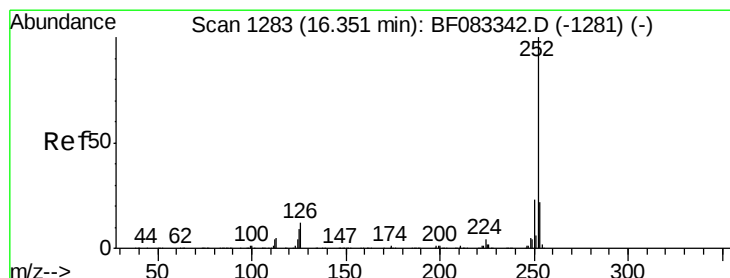
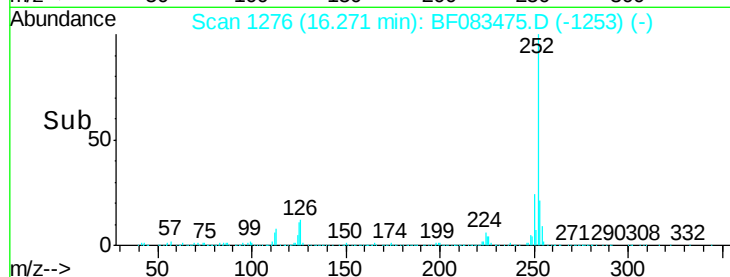
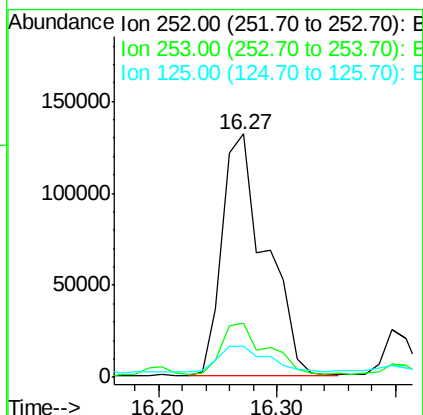
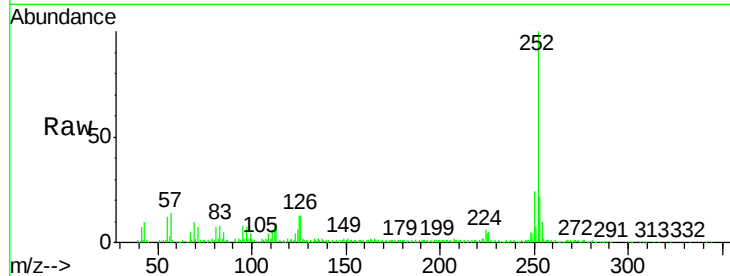




#87
Benzo(b)fluoranthene
Concen: 17.41 ng
RT: 16.27 min Scan# 1276
Delta R.T. -0.03 min
Lab File: BF083475.D
Acq: 3 Dec 2015 22:51

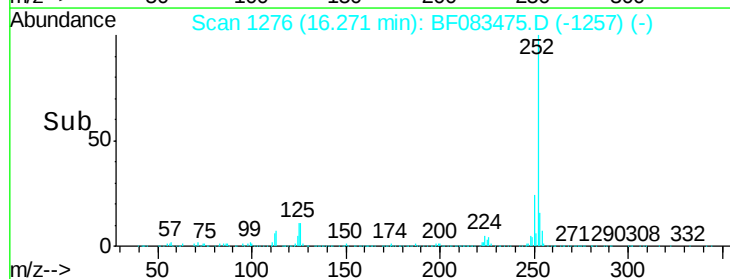
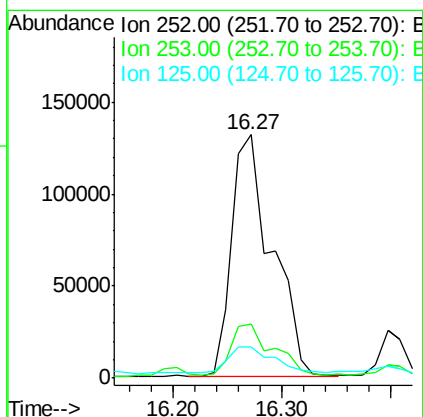
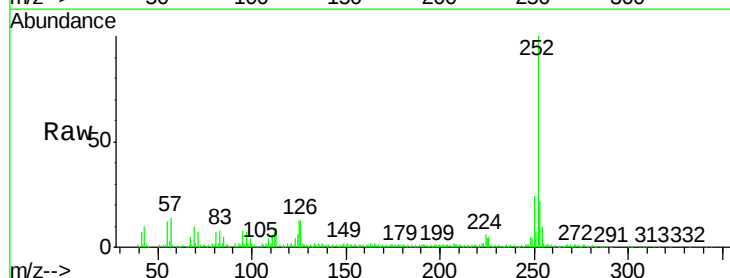
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-6-20151130

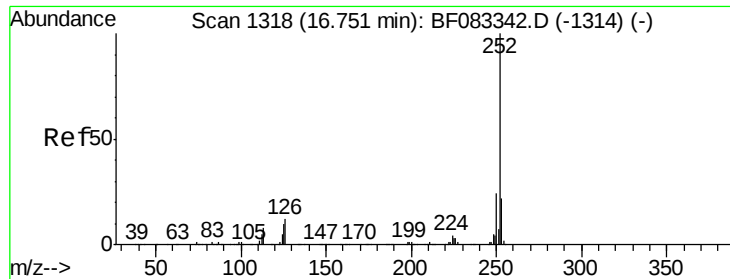
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.4	27.6
125	12.9	9.6	14.4



#88
Benzo(k)fluoranthene
Concen: 18.36 ng
RT: 16.27 min Scan# 1276
Delta R.T. -0.08 min
Lab File: BF083475.D
Acq: 3 Dec 2015 22:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	12.9	7.5	11.3





#89

Benzo(a)pyrene

Concen: 10.76 ng

RT: 16.71 min Scan# 1314

Delta R.T. -0.05 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

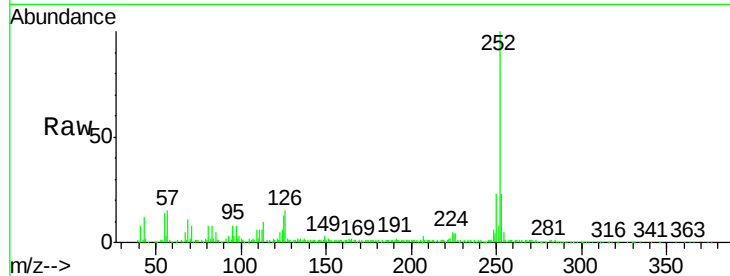
Instrument :

BNA_F

ClientSampleId :

CWC-MISC-6-20151130

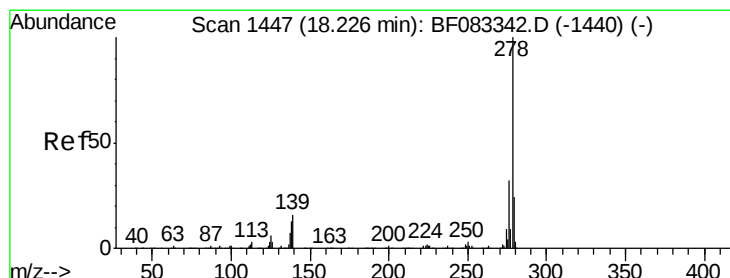
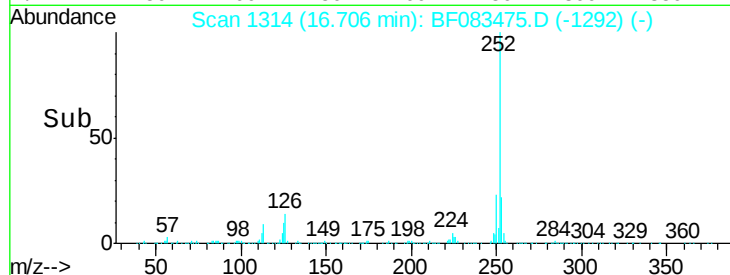
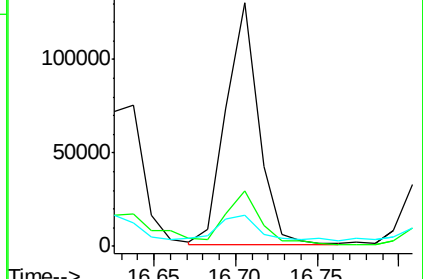
Tgt Ion:	252	Resp:	179267
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.5	26.3
125	12.8	7.8	11.8#



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: 2.34 ng

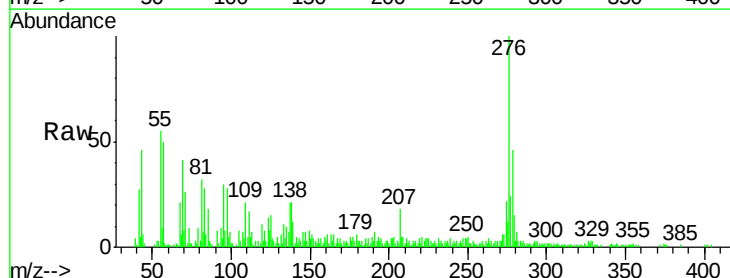
RT: 18.17 min Scan# 1442

Delta R.T. -0.06 min

Lab File: BF083475.D

Acq: 3 Dec 2015 22:51

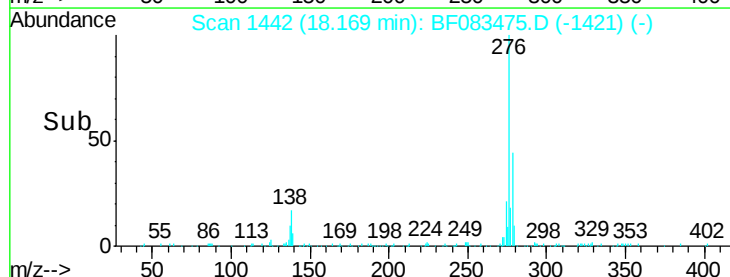
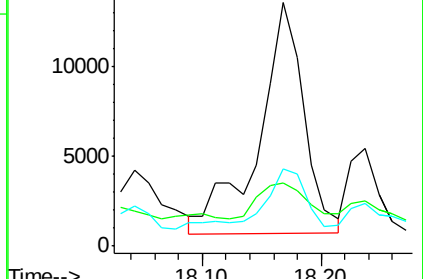
Tgt Ion:	278	Resp:	33928
Ion Ratio	Lower	Upper	
278	100		
139	25.8	13.1	19.7#
279	31.9	19.2	28.8#

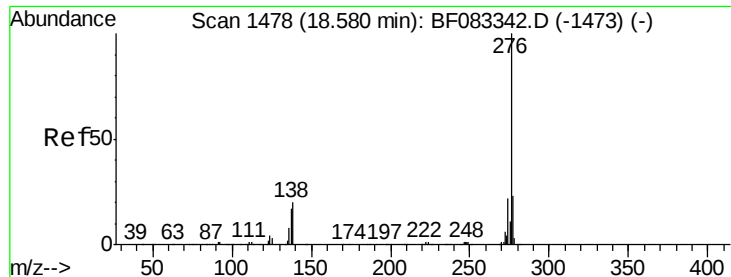


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

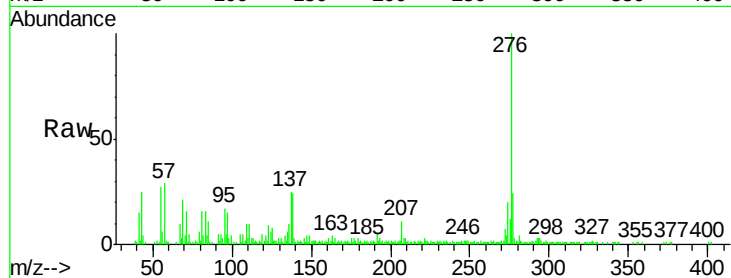




#91
 Benzo(g,h,i)perylene
 Concen: 7.00 ng
 RT: 18.52 min Scan# 1473
 Delta R.T. -0.06 min
 Lab File: BF083475.D
 Acq: 3 Dec 2015 22:51

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-6-20151130

Tgt Ion: 276 Resp: 99713
 Ion Ratio Lower Upper
 276 100
 277 24.5 18.6 28.0
 138 23.8 16.1 24.1



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

