

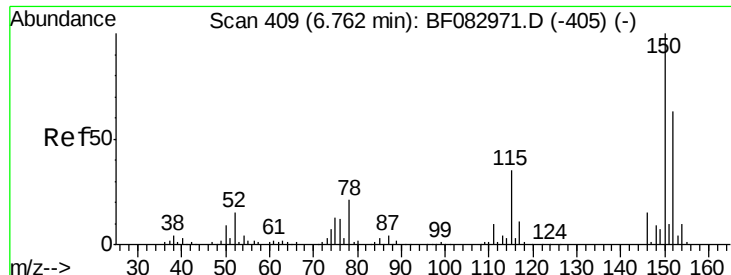
Data Path : Z:\HPCHEM1\BNA F\DATA\BF111815\
 Data File : BF083019.D
 Acq On : 18 Nov 2015 20:29
 Operator : UM/IZ
 Sample : G4453-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-1-20151116

Quant Time: Nov 19 01:51:24 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 18 13:32:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	150714	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	598956	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	318798	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	509803	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	401509	20.00	ng	-0.02
86) Perylene-d12	15.27	264	305366	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1209790	124.90	ng	0.00
7) Phenol-d6	6.38	99	1558789	121.05	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1145619	83.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	345797	94.60	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1353927	60.87	ng	-0.01
78) Terphenyl-d14	12.83	244	1170149	69.12	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.50	77	27889	3.92	ng	83
19) n-Nitroso-di-n-propylamine	7.30	70	153870	16.25	ng	# 69
49) Dimethylphthalate	9.49	163	397008	15.20	ng	98
56) 2,4-Dinitrotoluene	9.77	165	40199	5.32	ng	# 15
66) 4-Bromophenyl-phenylether	10.56	248	25026	4.08	ng	# 1
70) Phenanthrene	11.26	178	181972	6.15	ng	96
74) Fluoranthene	12.45	202	216702	6.82	ng	95
77) Pyrene	12.67	202	187031	6.78	ng	93
80) Benzo(a)anthracene	13.86	228	84881	3.38	ng	99
82) Chrysene	13.89	228	63167	2.75	ng	95
87) Benzo(b)fluoranthene	14.88	252	80674	4.12	ng	# 96
88) Benzo(k)fluoranthene	14.88	252	80674	4.64	ng	# 95
89) Benzo(a)pyrene	15.20	252	41861	2.47	ng	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

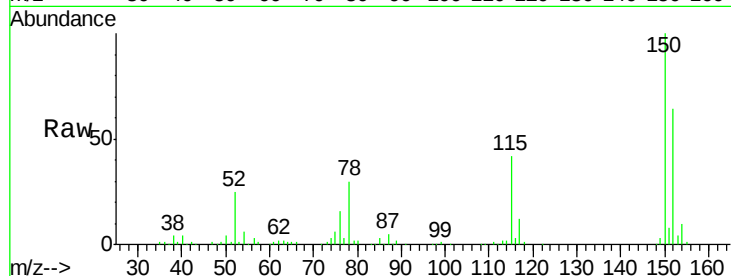
Tot Ion:152 Resp: 150714

Ion Ratio Lower Upper

152 100

150 156.3 127.0 190.4

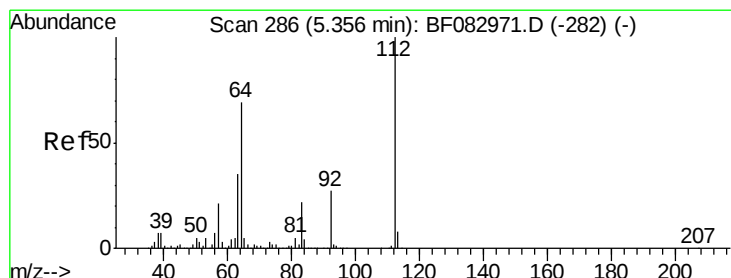
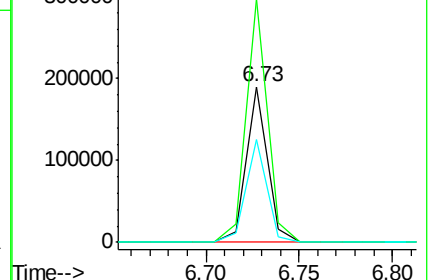
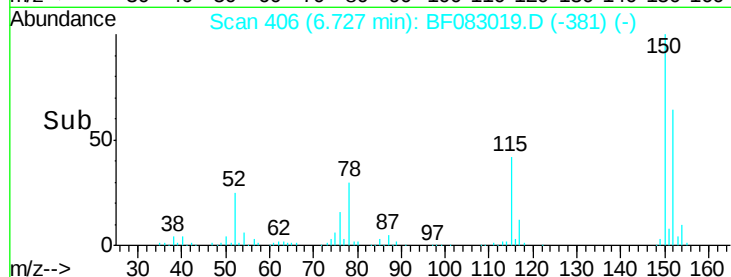
115 66.1 47.0 70.6



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: 124.90 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

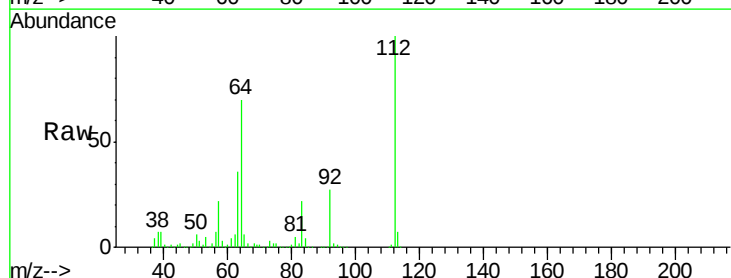
Tgt Ion:112 Resp: 1209790

Ion Ratio Lower Upper

112 100

64 70.3 48.9 73.3

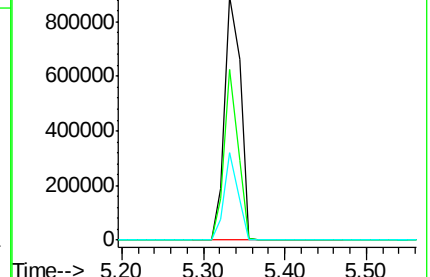
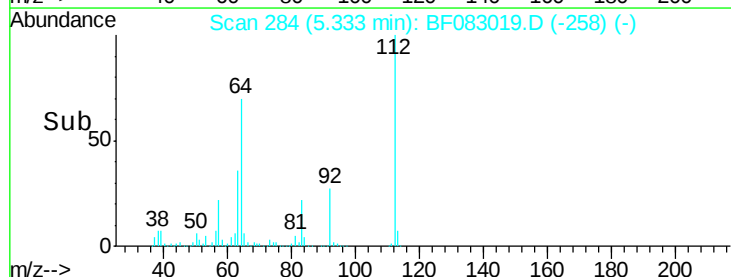
63 36.1 28.1 42.1

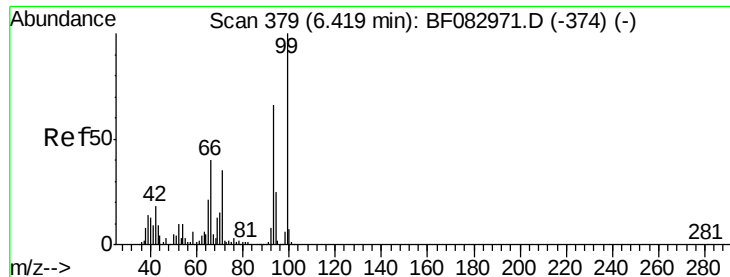


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 121.05 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

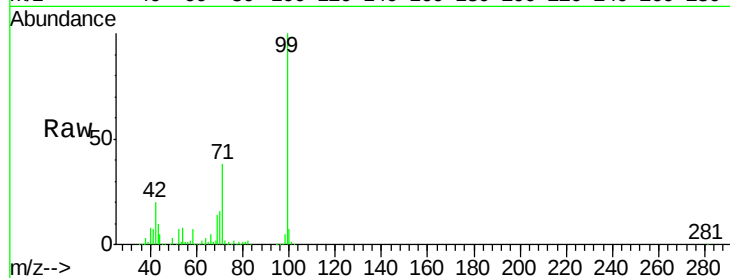
Tot Ion: 99 Resp: 1558789

Ion Ratio Lower Upper

99 100

42 20.1 19.2 28.8

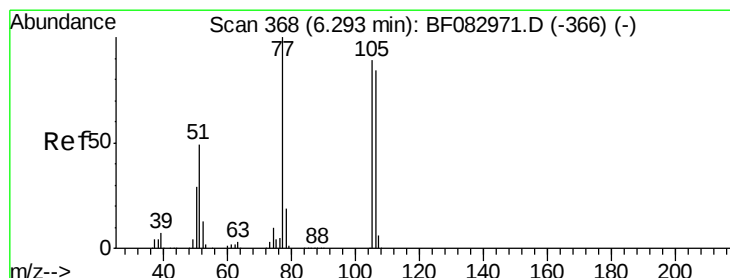
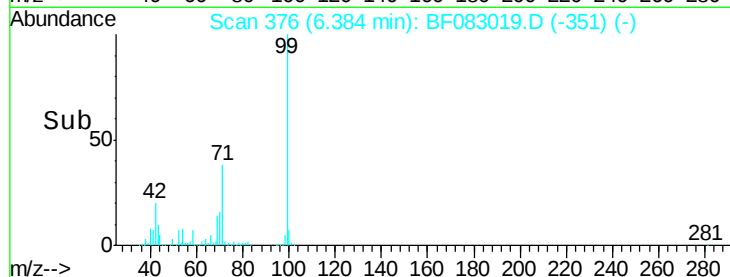
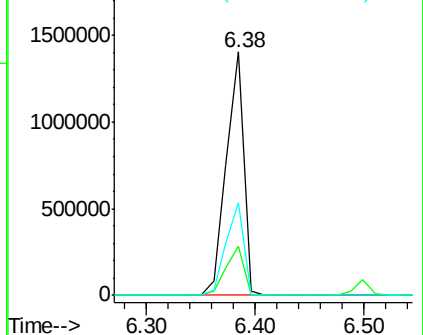
71 38.1 35.0 52.4



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.92 ng

RT: 6.50 min Scan# 386

Delta R.T. 0.23 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

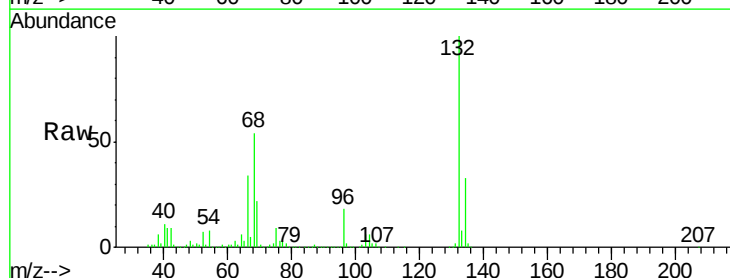
Tgt Ion: 77 Resp: 27889

Ion Ratio Lower Upper

77 100

105 66.6 63.5 103.5

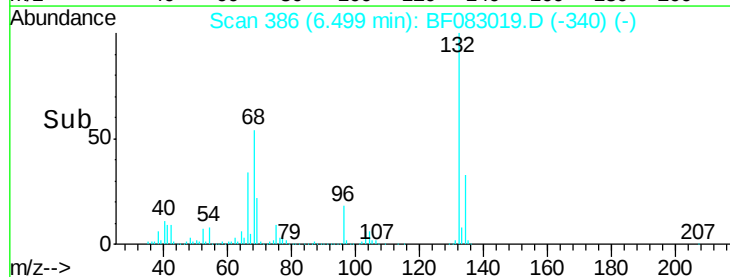
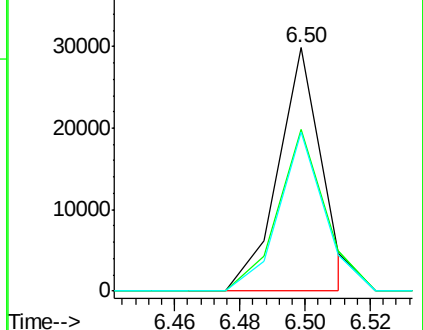
106 65.3 59.3 99.3

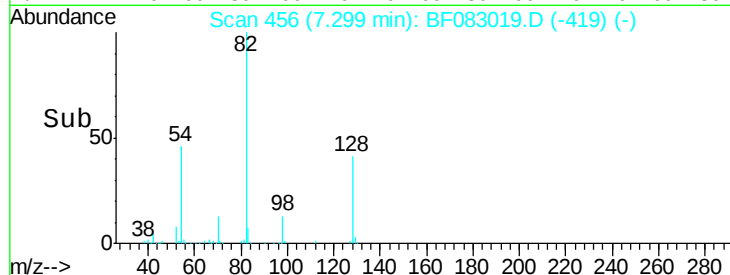
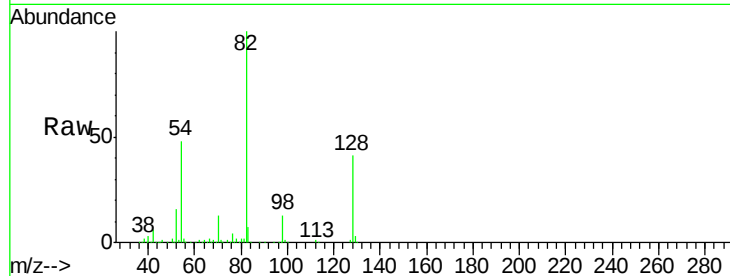
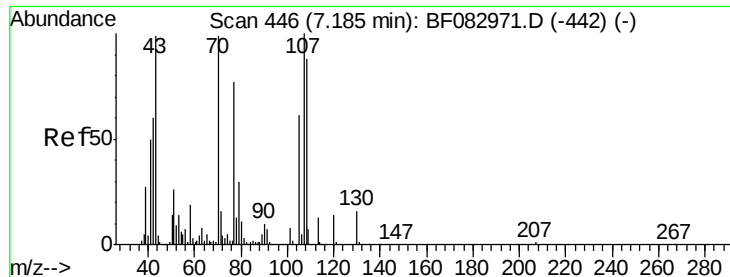


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

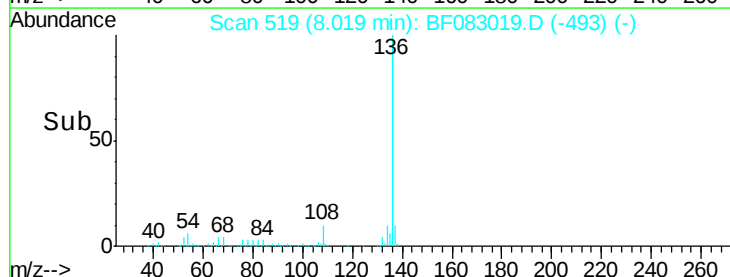
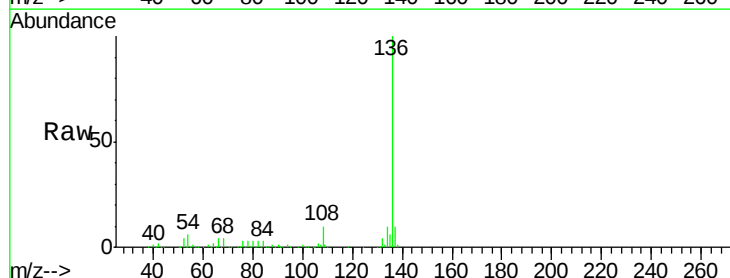
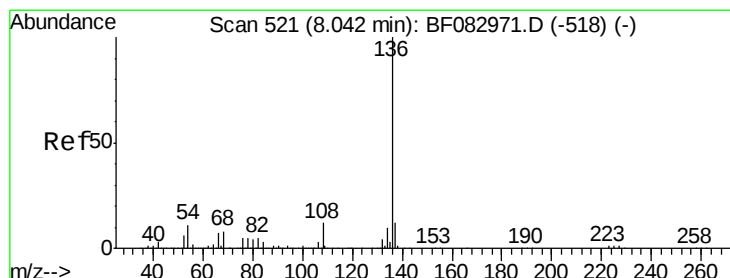
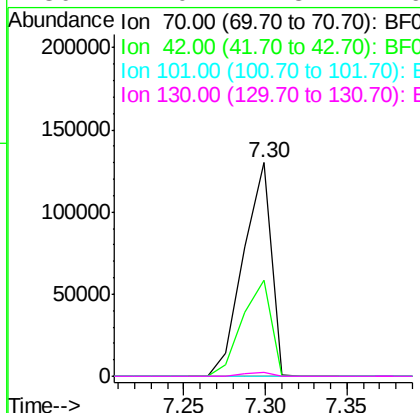




#19
n-Nitroso-di-n-propylamine
Concen: 16.25 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.13 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

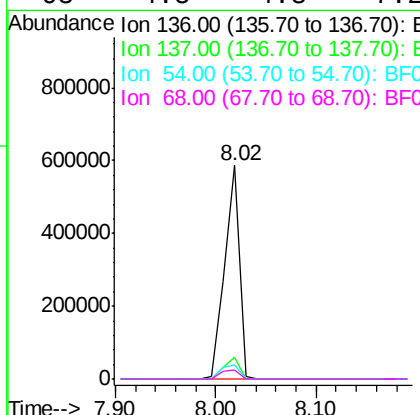
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

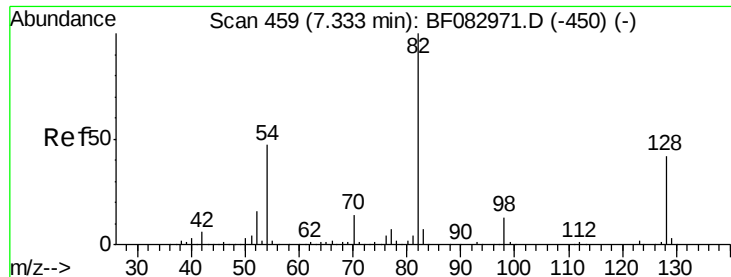
Tot Ion:	70	Resp:	153870
Ion	Ratio	Lower	Upper
70	100		
42	45.2	57.7	86.5#
101	0.0	7.0	10.6#
130	2.0	11.8	17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.00 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:	136	Resp:	598956
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	6.4	9.1	13.7#
68	4.5	4.8	7.2#

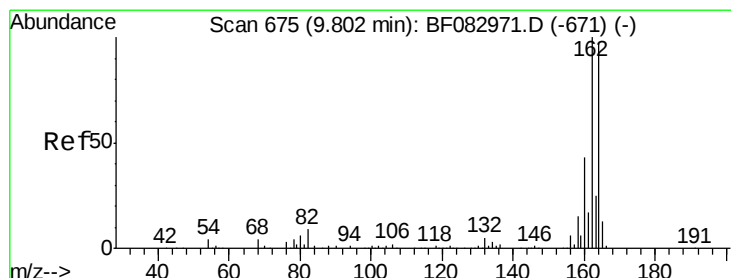
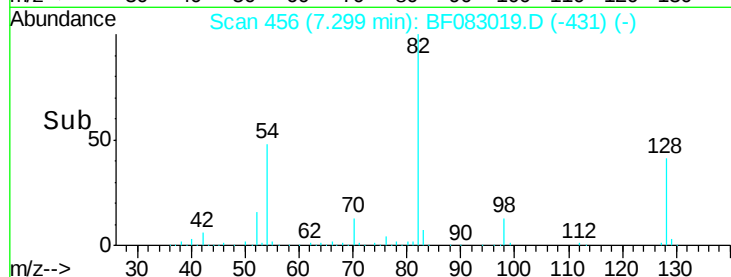
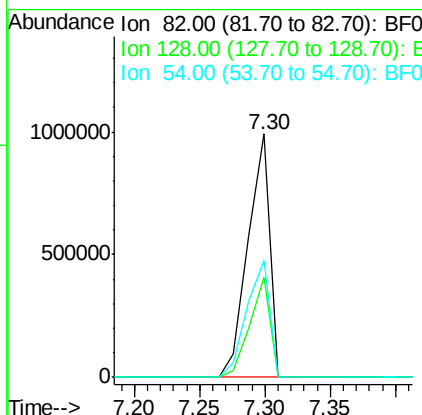
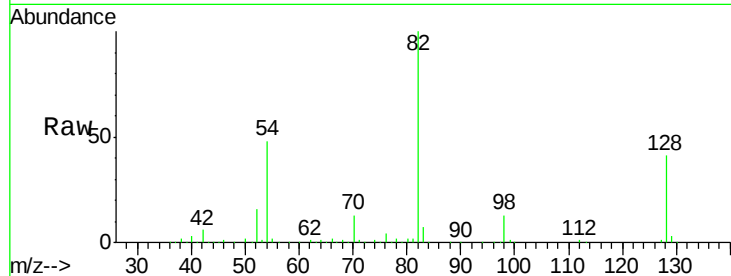




#23
 Nitrobenzene-d5
 Concen: 83.23 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF083019.D
 Acq: 18 Nov 2015 20:29

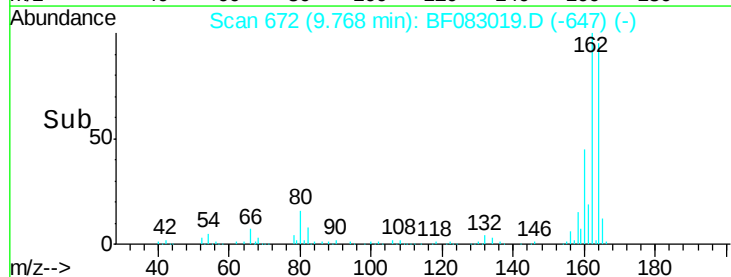
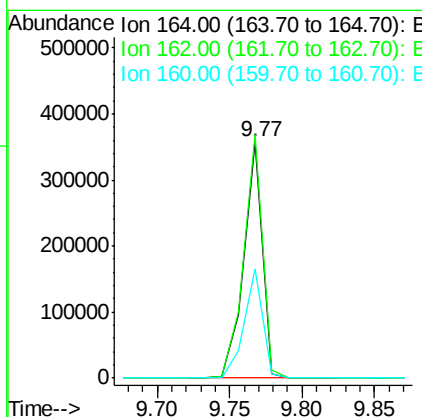
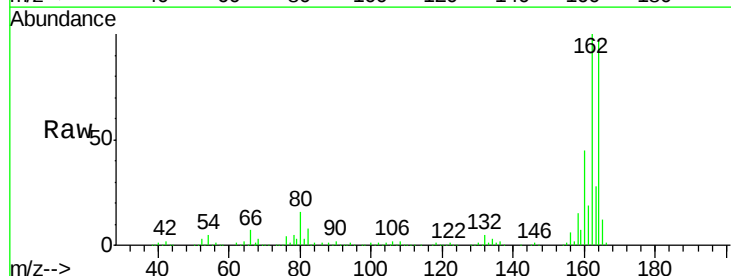
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-1-20151116

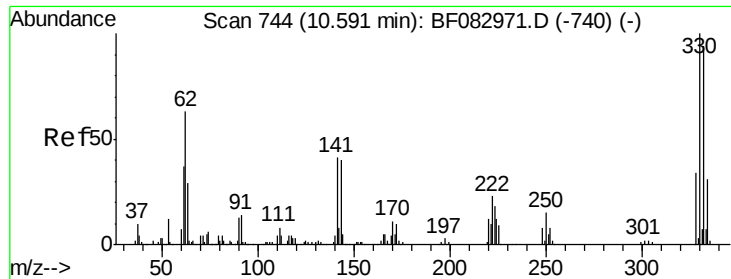
Tot Ion: 82 Resp: 1145619
 Ion Ratio Lower Upper
 82 100
 128 41.0 26.8 40.2#
 54 48.2 45.7 68.5



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF083019.D
 Acq: 18 Nov 2015 20:29

Tgt Ion:164 Resp: 318798
 Ion Ratio Lower Upper
 164 100
 162 103.0 84.9 127.3
 160 46.0 37.5 56.3

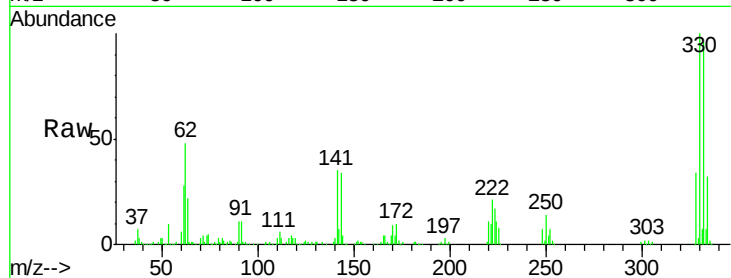




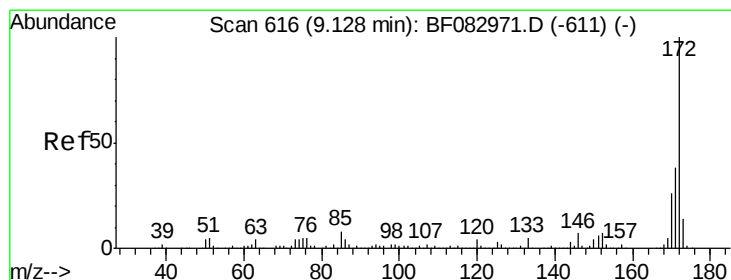
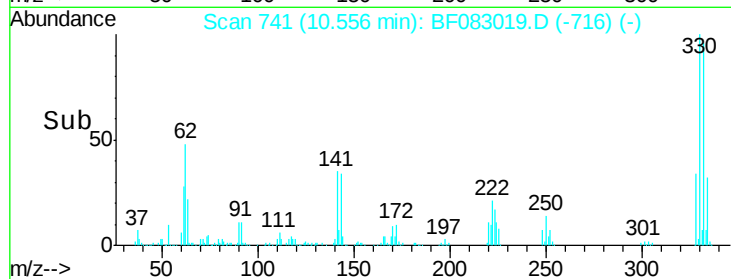
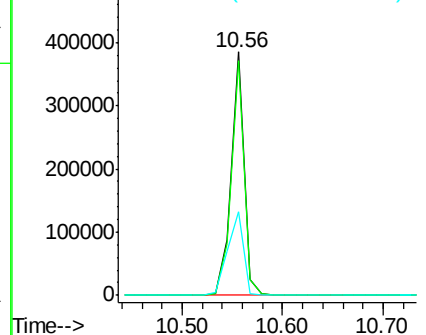
#41
 2,4,6-Tribromophenol
 Concen: 94.60 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083019.D
 Acq: 18 Nov 2015 20:29

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-1-20151116

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.6	114.8
141	41.7	41.2	61.8

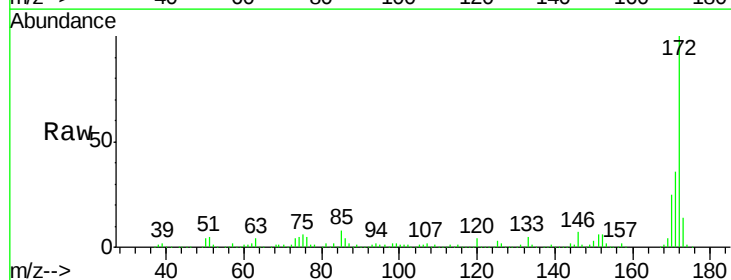


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

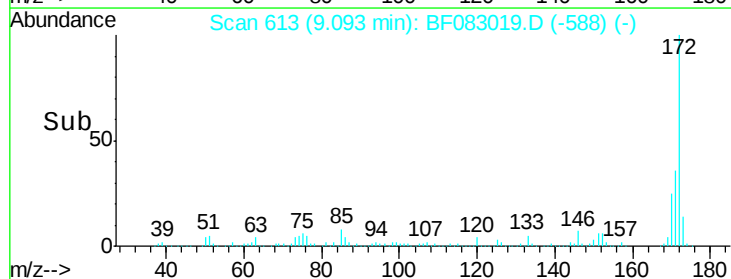
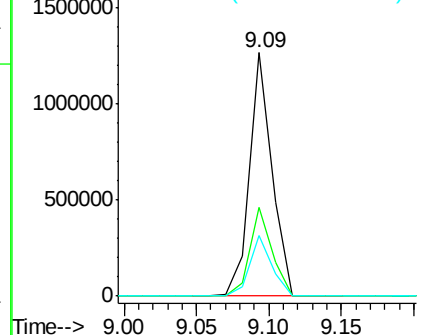


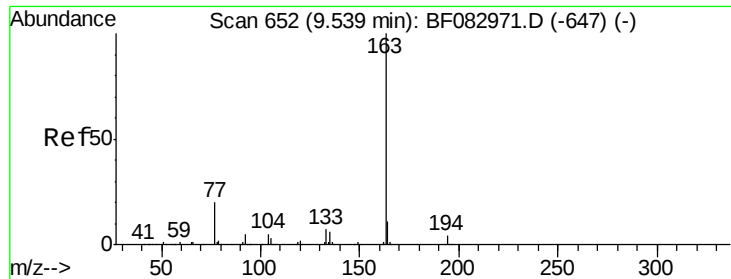
#44
 2-Fluorobiphenyl
 Concen: 60.87 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083019.D
 Acq: 18 Nov 2015 20:29

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.8	46.2
170	24.7	21.2	31.8



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

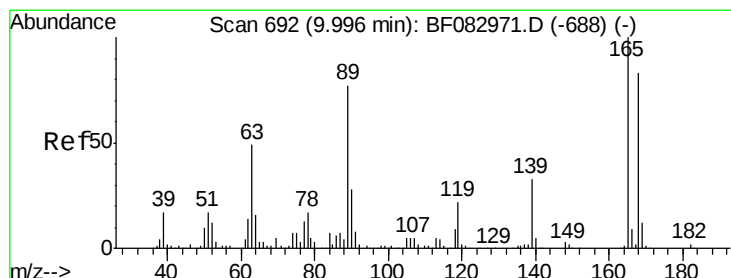
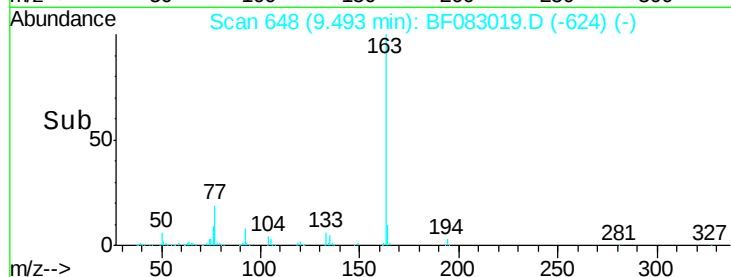
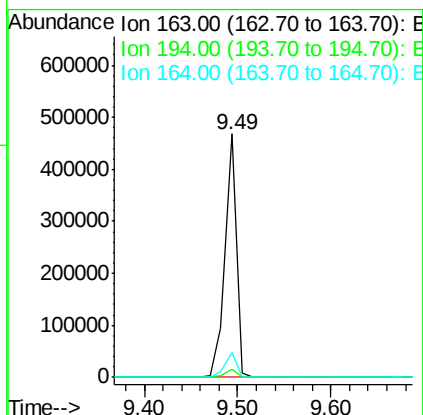
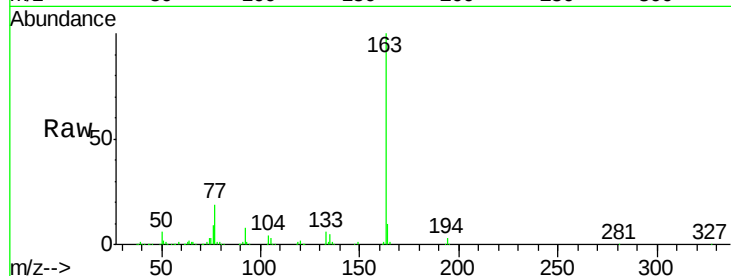




#49
Dimethylphthalate
Concen: 15.20 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

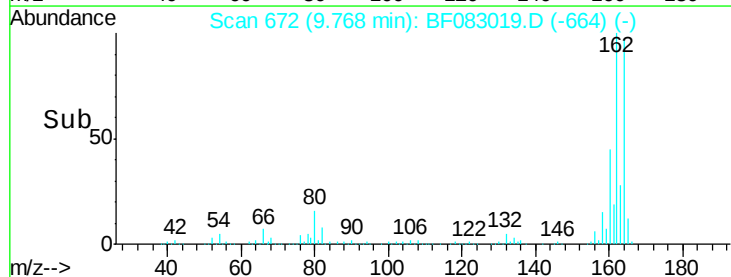
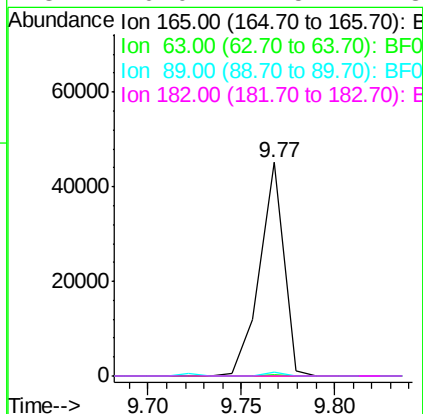
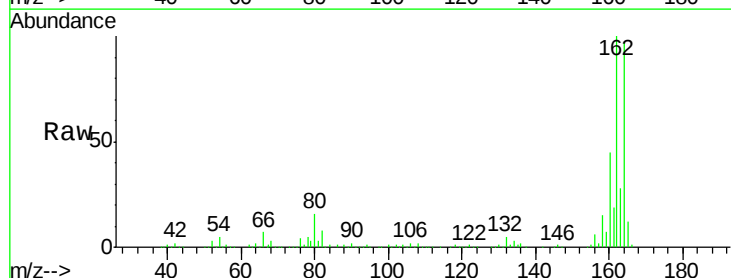
Instrument :
BNA_F
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CWC-MISC-1-20151116

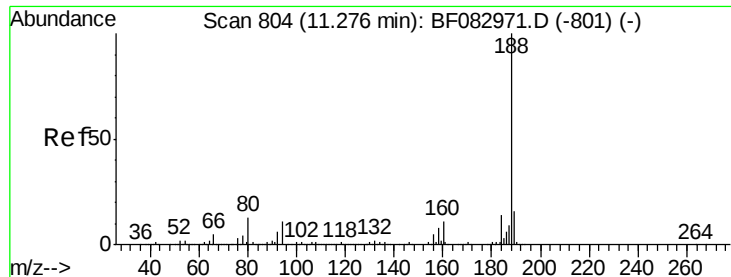
Tot Ion:163 Resp: 397008
Ion Ratio Lower Upper
163 100
194 3.5 2.6 4.0
164 10.1 8.7 13.1



#56
2,4-Dinitrotoluene
Concen: 5.32 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.21 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:165 Resp: 40199
Ion Ratio Lower Upper
165 100
63 0.8 43.4 65.0#
89 1.5 70.6 106.0#
182 0.0 1.5 2.3#

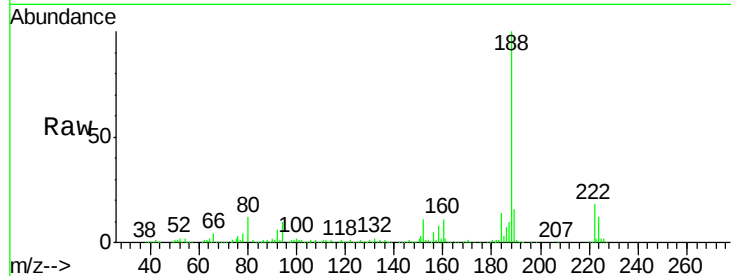




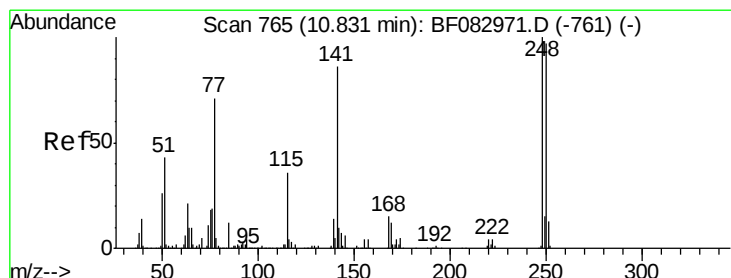
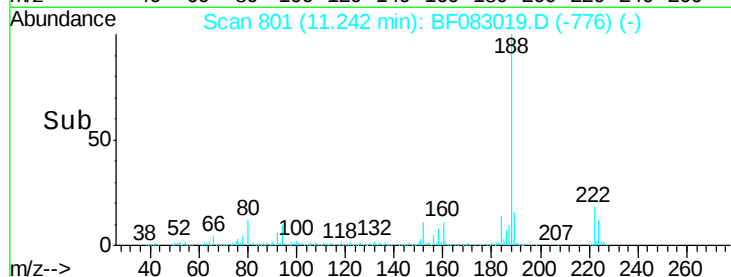
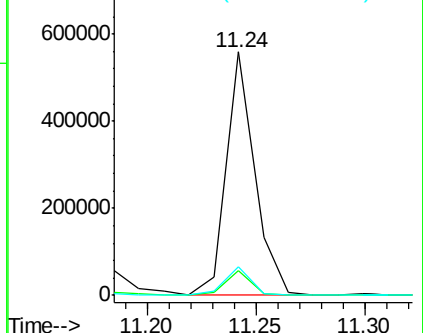
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Tot Ion:188 Resp: 509803
Ion Ratio Lower Upper
188 100
94 10.4 6.1 9.1#
80 11.9 7.0 10.6#

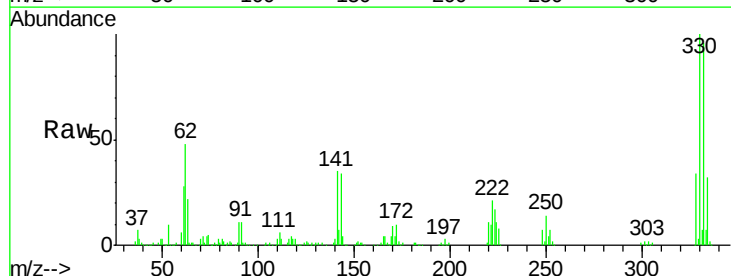


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

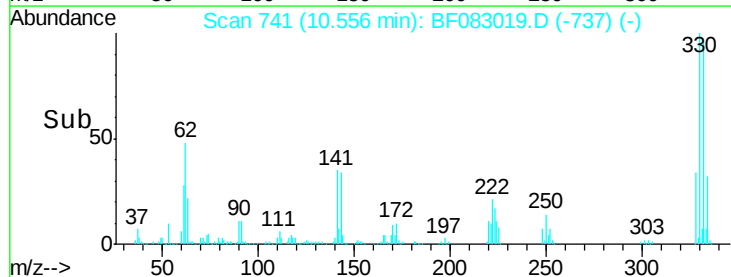
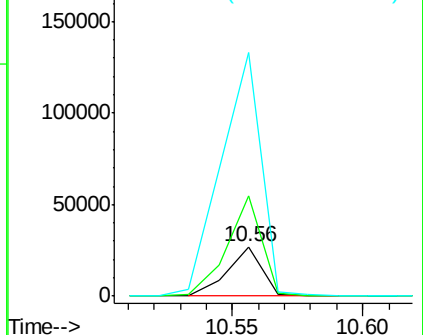


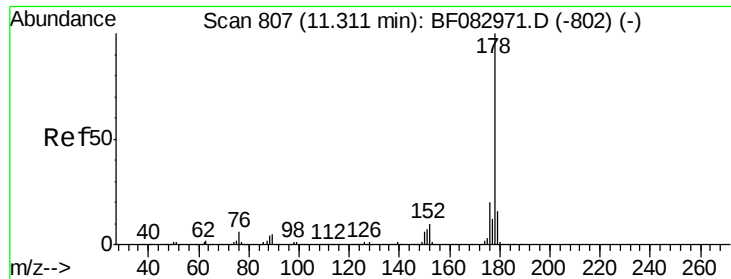
#66
4-Bromophenyl-phenylether
Concen: 4.08 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:248 Resp: 25026
Ion Ratio Lower Upper
248 100
250 201.9 79.4 119.2#
141 490.6 36.3 54.5#



Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

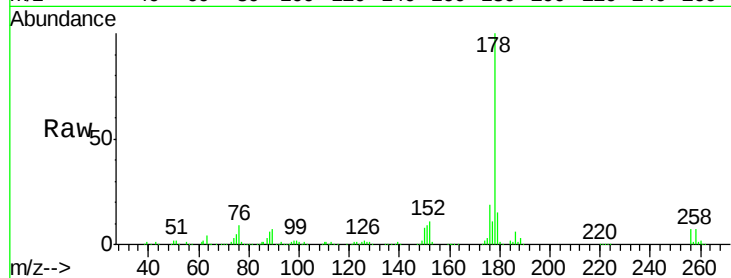




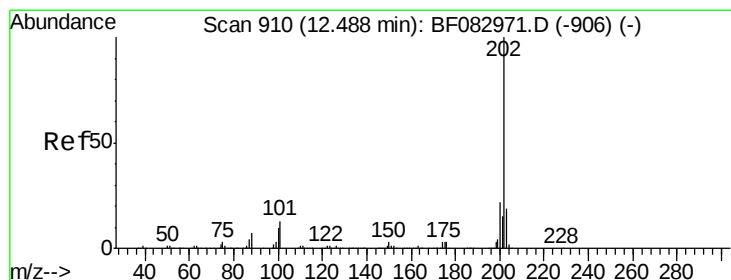
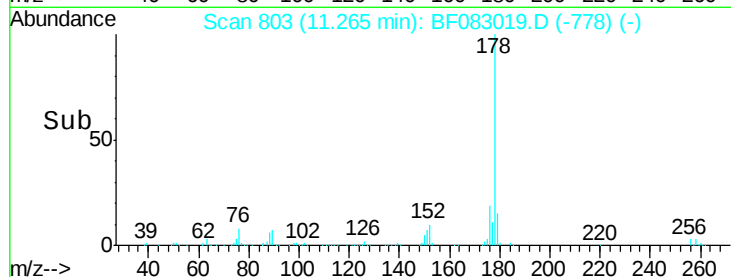
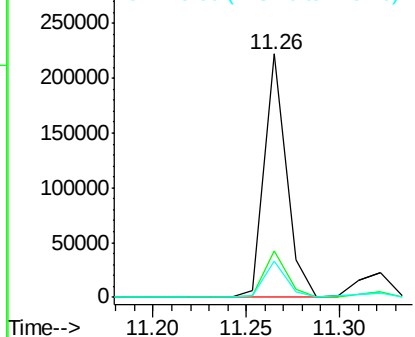
#70
Phenanthrene
Concen: 6.15 ng
RT: 11.26 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Tot Ion:178 Resp: 181972
Ion Ratio Lower Upper
178 100
176 18.9 17.0 25.4
179 15.1 13.4 20.0

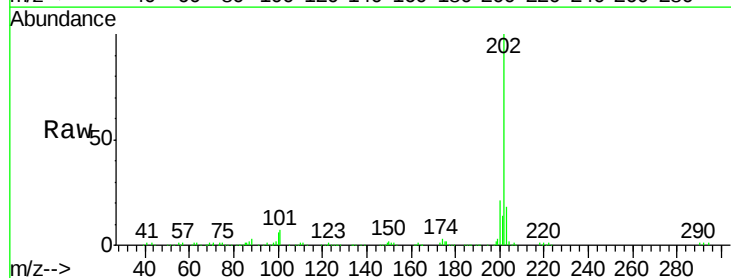


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

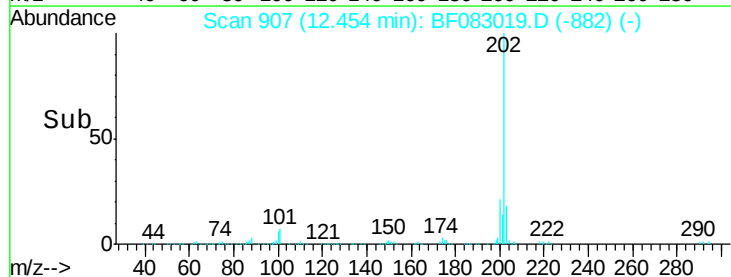
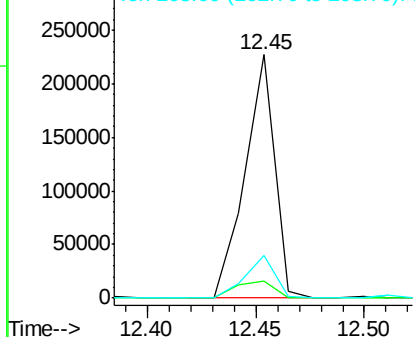


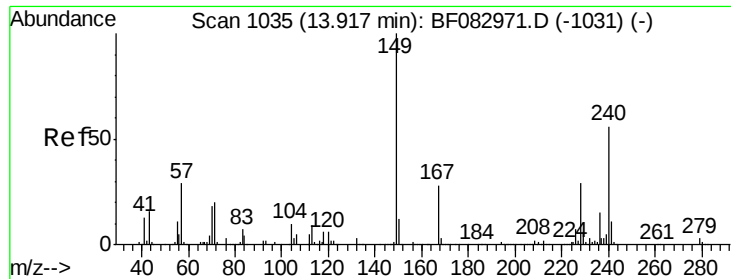
#74
Fluoranthene
Concen: 6.82 ng
RT: 12.45 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:202 Resp: 216702
Ion Ratio Lower Upper
202 100
101 6.9 0.0 30.5
203 17.5 0.0 38.5



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: 13.87 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

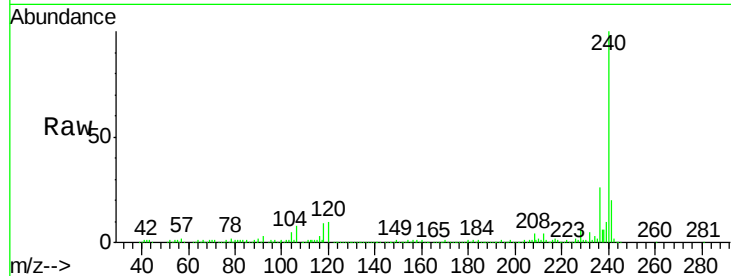
Tot Ion:240 Resp: 401509

Ion Ratio Lower Upper

240 100

120 9.9 10.9 16.3#

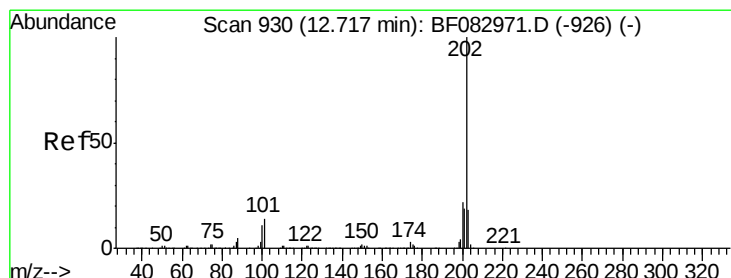
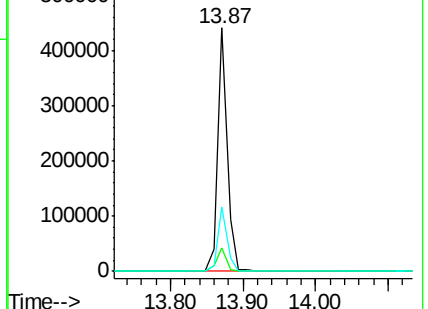
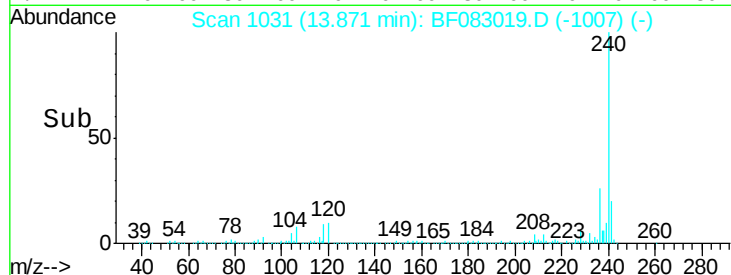
236 26.4 21.6 32.4



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: 6.78 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

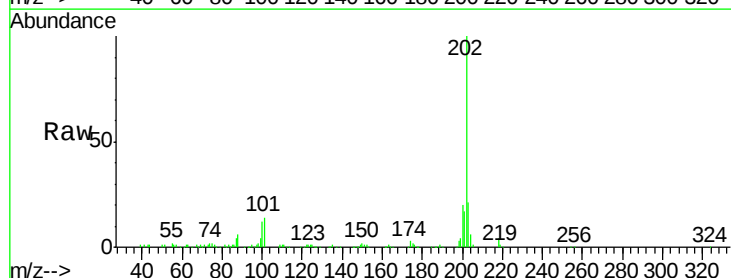
Tgt Ion:202 Resp: 187031

Ion Ratio Lower Upper

202 100

200 20.0 18.7 28.1

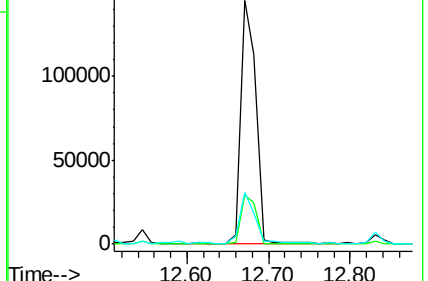
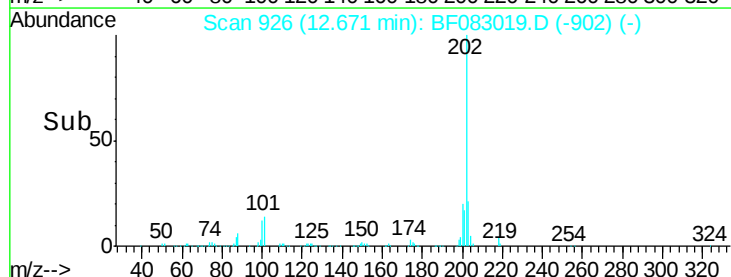
203 21.4 14.8 22.2

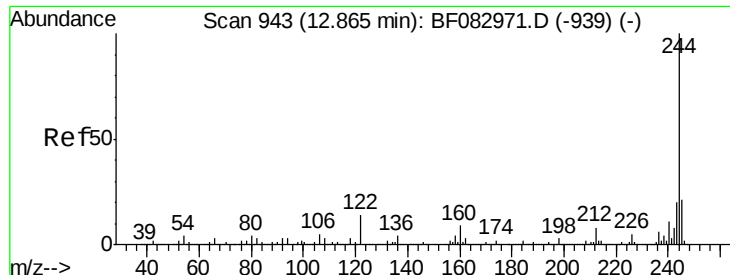


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.12 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

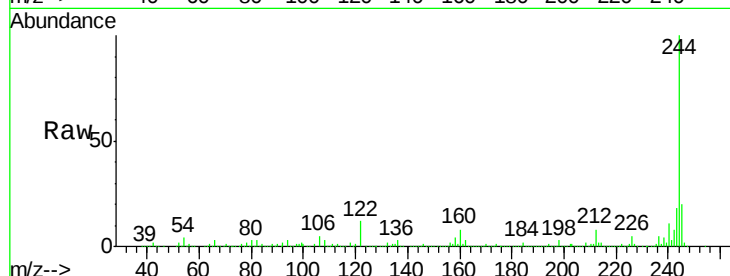
Tot Ion:244 Resp: 1170149

Ion Ratio Lower Upper

244 100

212 8.2 7.6 11.4

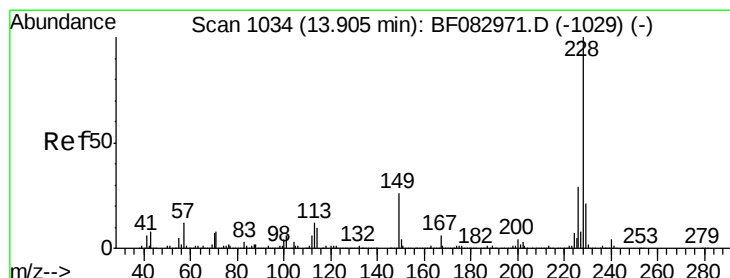
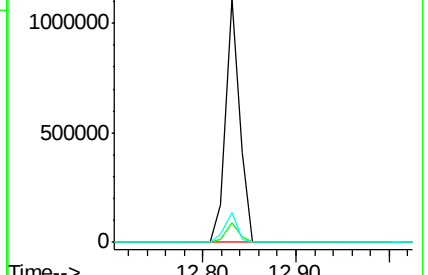
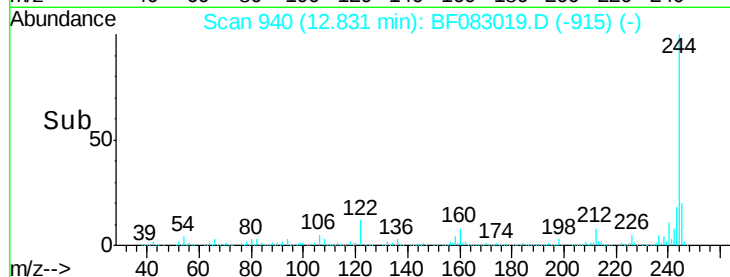
122 12.5 11.3 16.9



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: 3.38 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

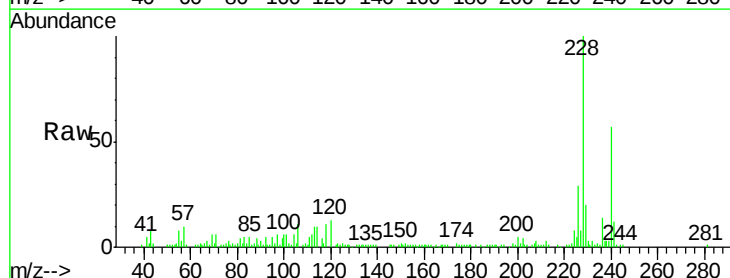
Tgt Ion:228 Resp: 84881

Ion Ratio Lower Upper

228 100

226 29.4 23.4 35.2

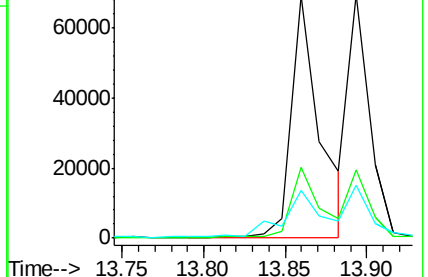
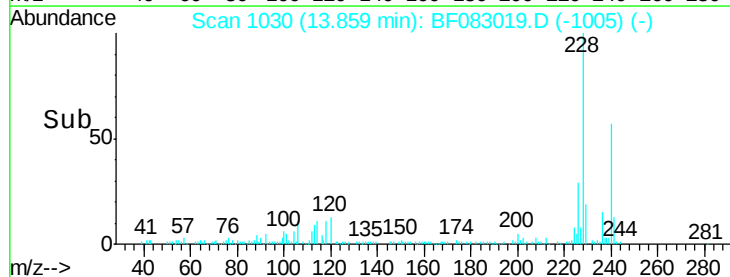
229 19.9 16.3 24.5

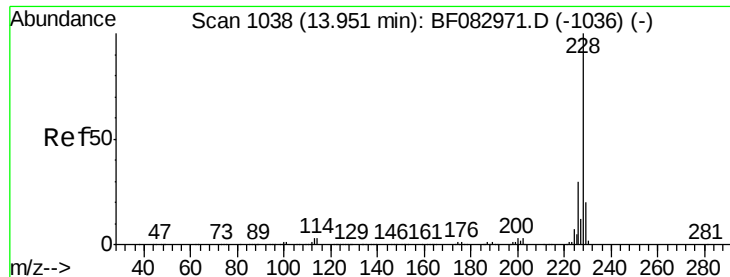


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.75 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

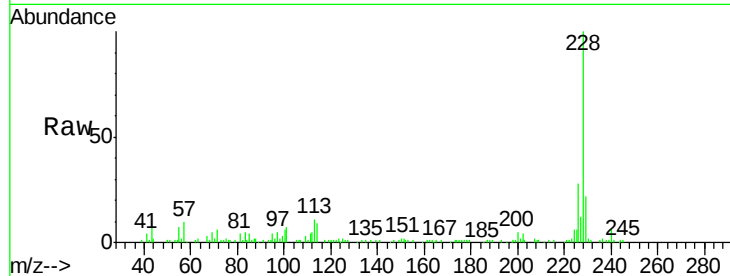
Tot Ion:228 Resp: 63167

Ion Ratio Lower Upper

228 100

226 28.0 25.5 38.3

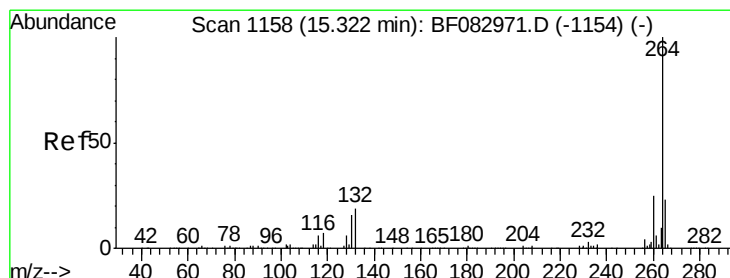
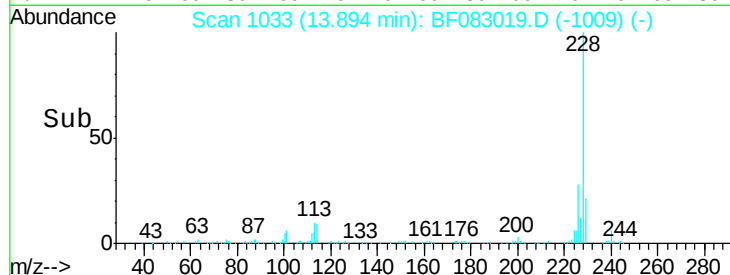
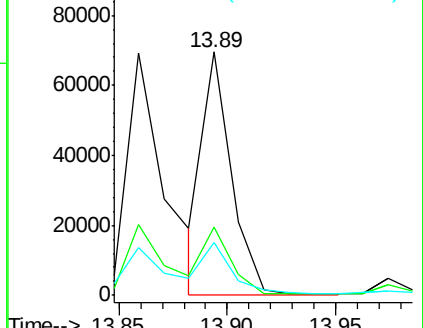
229 21.7 16.3 24.5



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.01 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

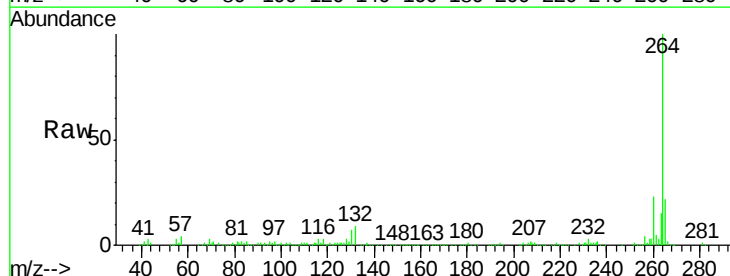
Tgt Ion:264 Resp: 305366

Ion Ratio Lower Upper

264 100

260 23.4 19.8 29.6

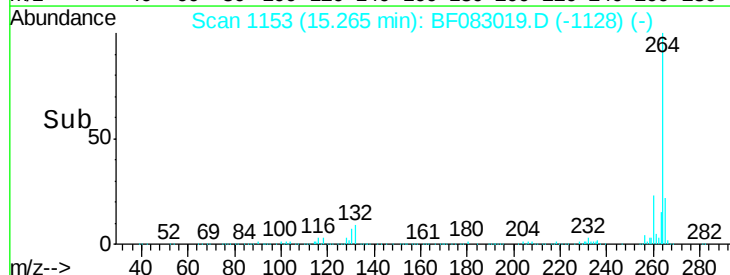
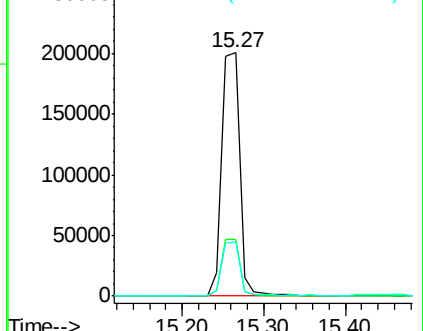
265 22.2 17.4 26.0

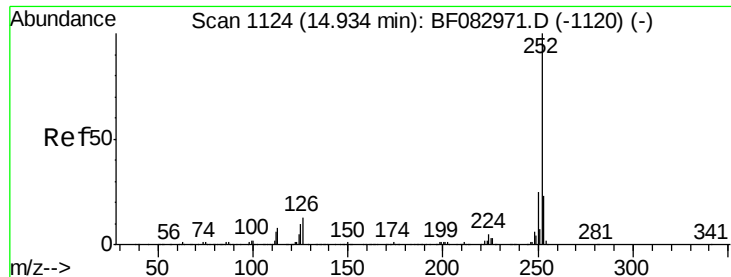


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

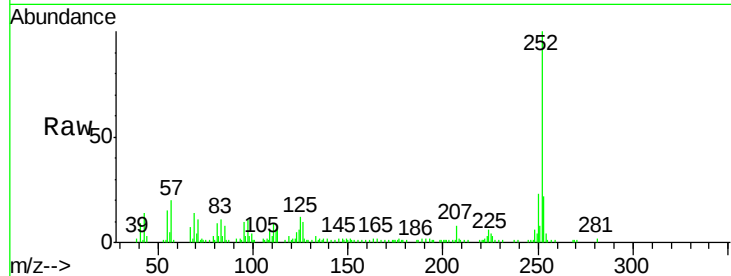




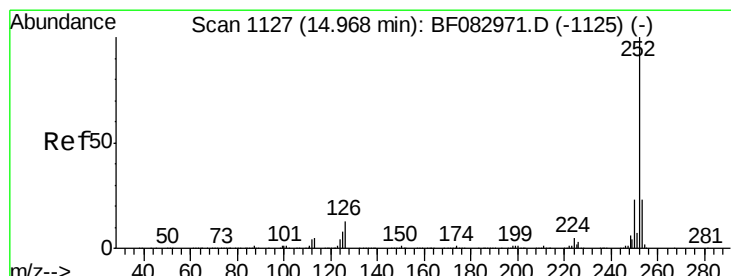
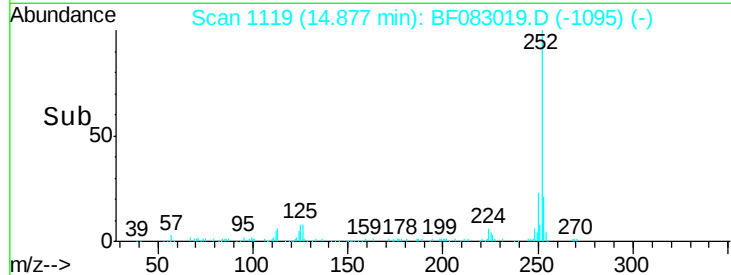
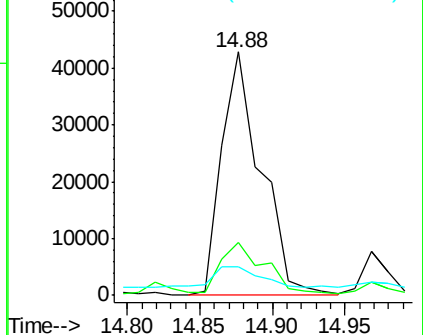
#87
Benzo(b)fluoranthene
Concen: 4.12 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-1-20151116

Tot Ion:252 Resp: 80674
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 12.0 5.4 8.2#

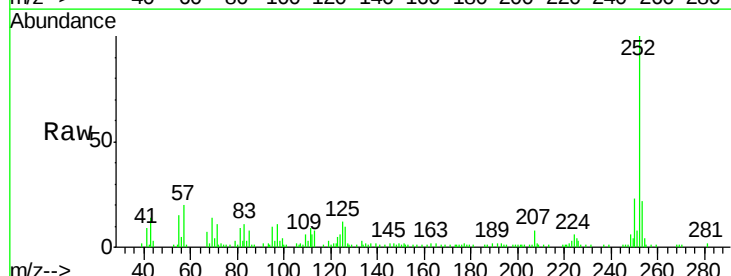


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

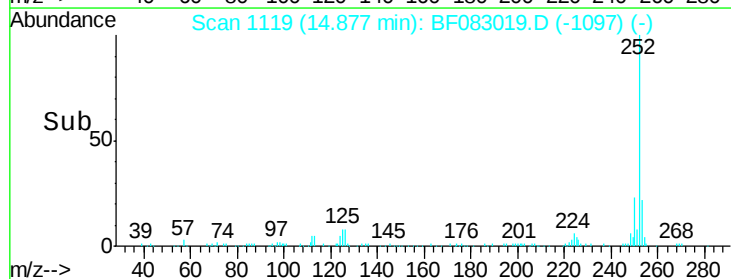
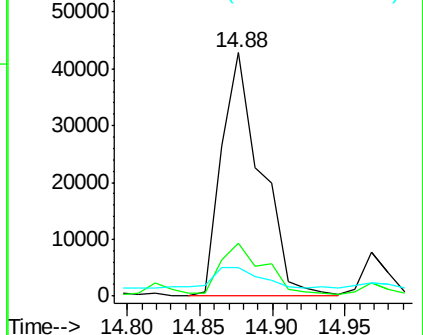


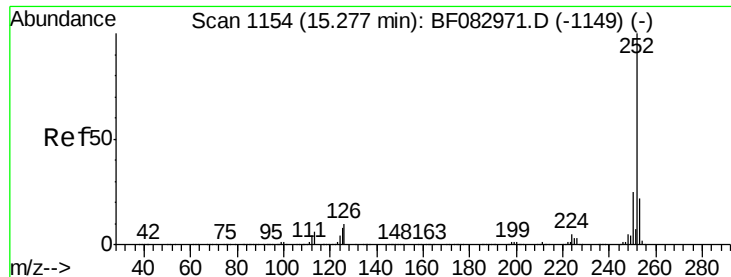
#88
Benzo(k)fluoranthene
Concen: 4.64 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083019.D
Acq: 18 Nov 2015 20:29

Tgt Ion:252 Resp: 80674
Ion Ratio Lower Upper
252 100
253 21.7 17.9 26.9
125 12.0 3.5 5.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.47 ng

RT: 15.20 min Scan# 1147

Delta R.T. -0.03 min

Lab File: BF083019.D

Acq: 18 Nov 2015 20:29

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-1-20151116

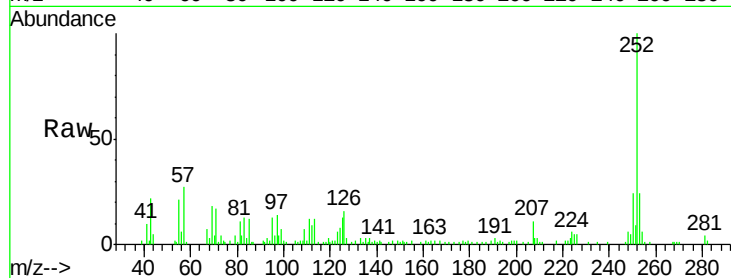
Tot Ion: 252 Resp: 41861

Ion Ratio Lower Upper

252 100

253 23.7 17.3 25.9

125 13.4 7.1 10.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

