

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111815\
 Data File : BF083020.D
 Acq On : 18 Nov 2015 20:58
 Operator : UM/IZ
 Sample : G1153-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116

Quant Time: Nov 19 01:51:38 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	233298	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	916850	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	453209	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	728854	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	497238	20.00	ng	-0.02
86) Perylene-d12	15.27	264	425326	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.34	112	1404322	93.66	ng	0.01
7) Phenol-d6	6.38	99	2311668	115.97	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1767025	83.86	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	479536	92.28	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	2310529	73.07	ng	-0.01
78) Terphenyl-d14	12.83	244	1742649	83.12	ng	-0.01

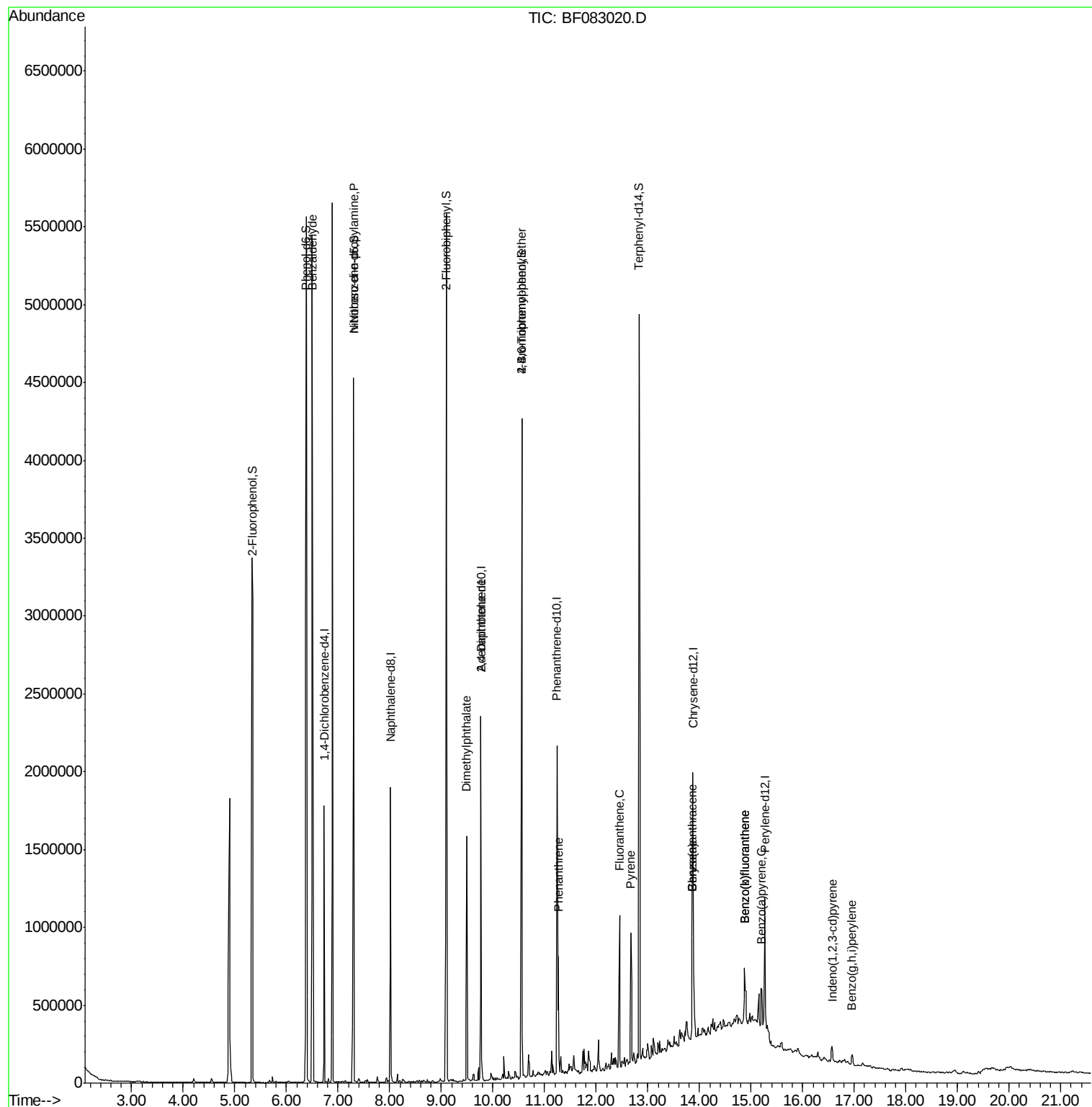
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	44371	4.03	ng	83
19) n-Nitroso-di-n-propylamine	7.30	70	241091	16.45	ng	# 68
49) Dimethylphthalate	9.49	163	640526	17.25	ng	98
56) 2,4-Dinitrotoluene	9.77	165	58428	5.44	ng	# 16
66) 4-Bromophenyl-phenylether	10.56	248	34785	3.96	ng	# 1
70) Phenanthrene	11.26	178	257341	6.08	ng	96
74) Fluoranthene	12.45	202	474800	10.45	ng	97
77) Pyrene	12.67	202	427412	12.52	ng	95
80) Benzo(a)anthracene	13.86	228	224127	7.21	ng	100
82) Chrysene	13.86	228	222857	7.83	ng	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	62227	2.54	ng	97
87) Benzo(b)fluoranthene	14.88	252	246066	9.01	ng	# 94
88) Benzo(k)fluoranthene	14.88	252	246066	10.16	ng	# 95
89) Benzo(a)pyrene	15.21	252	132400	5.60	ng	# 95
91) Benzo(a,h,i)perylene	16.96	276	57658	3.01	ng	97

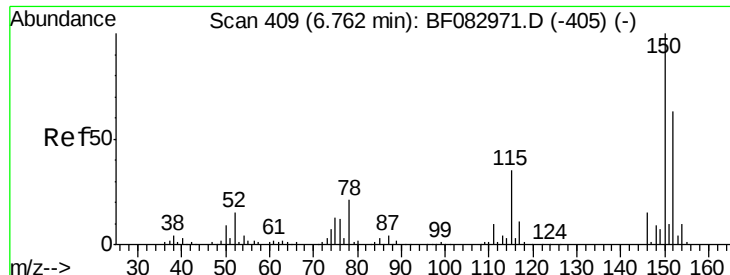
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 406

Delta R.T. -0.01 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

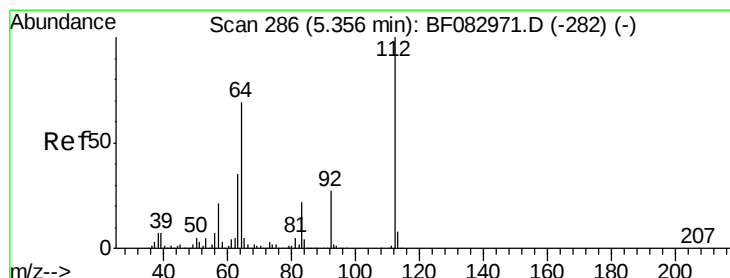
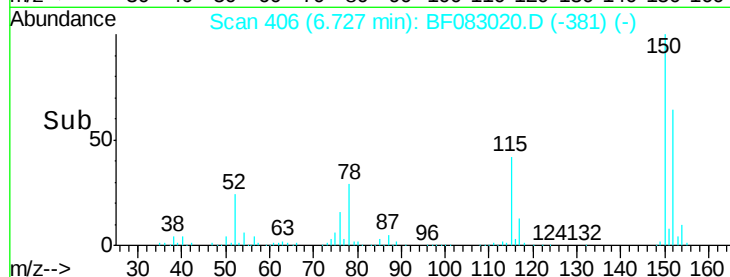
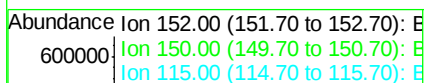
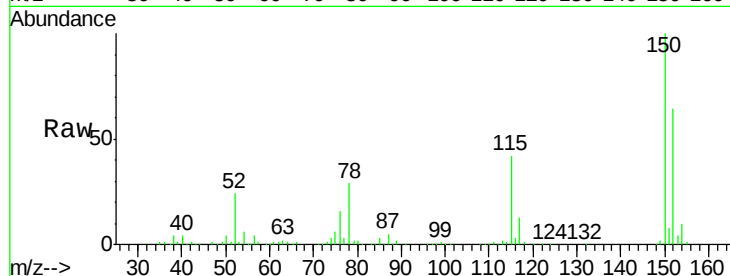
Tot Ion:152 Resp: 233298

Ion Ratio Lower Upper

152 100

150 157.3 127.0 190.4

115 66.0 47.0 70.6



#5

2-Fluorophenol

Concen: 93.66 ng

RT: 5.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

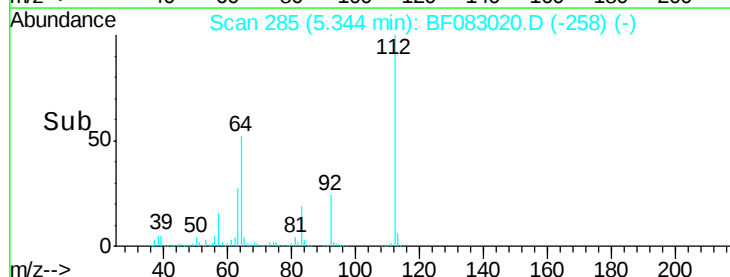
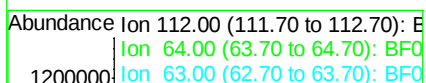
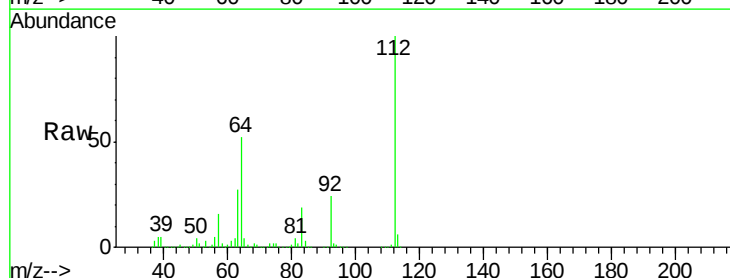
Tgt Ion:112 Resp: 1404322

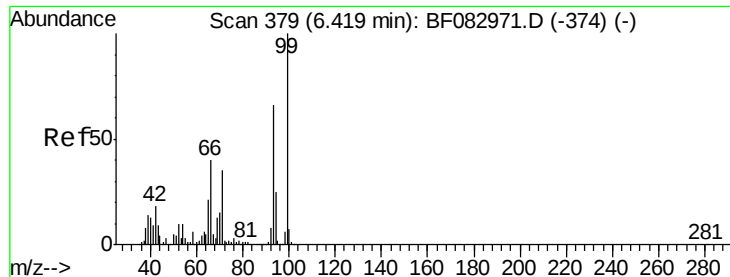
Ion Ratio Lower Upper

112 100

64 52.3 48.9 73.3

63 26.8 28.1 42.1#





#7

Phenol-d6

Concen: 115.97 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

Instrument :

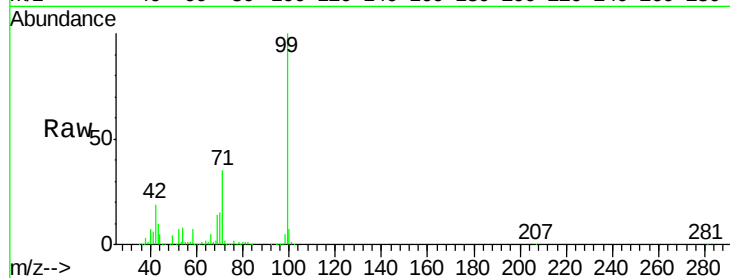
BNA_F

ClientSampleId :

CWC-MISC-2-20151116

Tot Ion: 99 Resp: 2311668

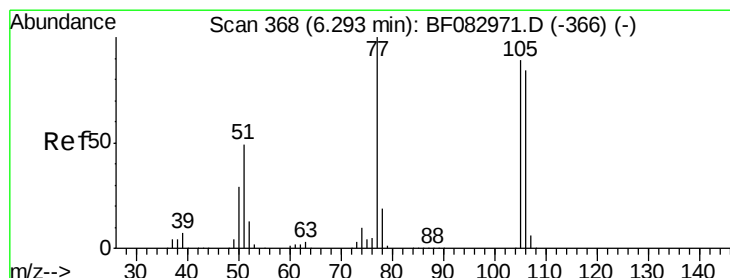
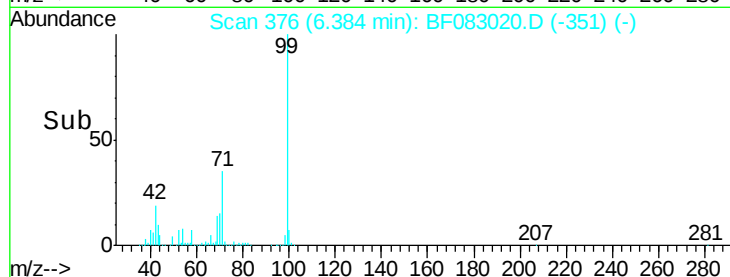
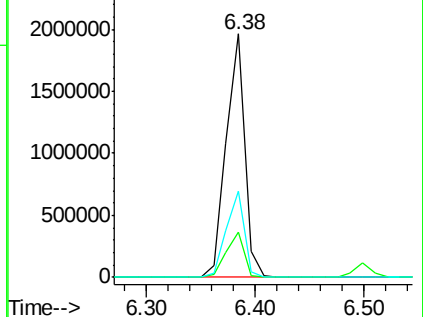
Ion	Ratio	Lower	Upper
99	100		
42	18.7	19.2	28.8#
71	35.5	35.0	52.4



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: 4.03 ng

RT: 6.50 min Scan# 386

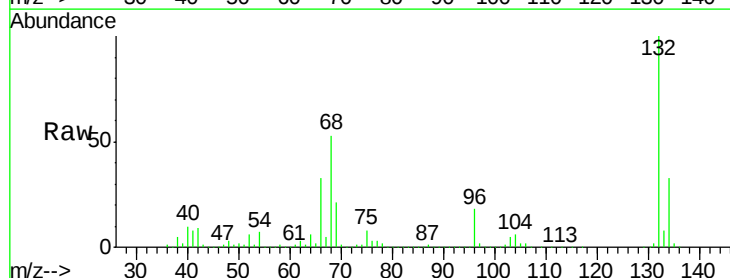
Delta R.T. 0.23 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

Tgt Ion: 77 Resp: 44371

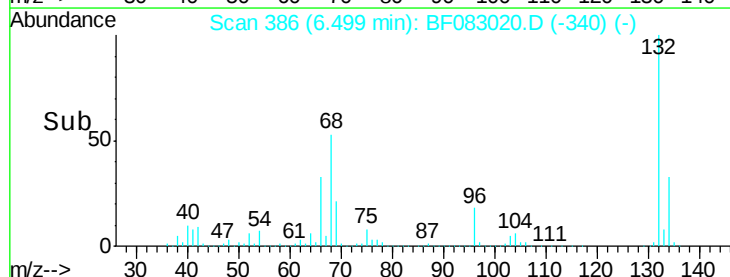
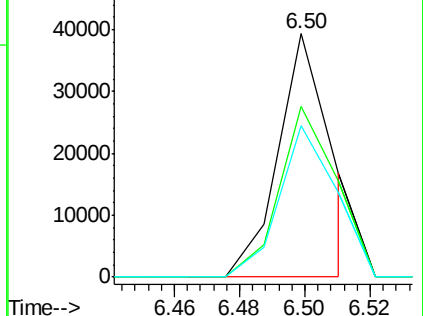
Ion	Ratio	Lower	Upper
77	100		
105	69.8	63.5	103.5
106	62.4	59.3	99.3

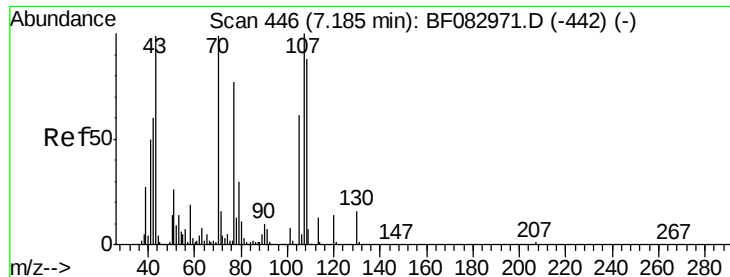


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

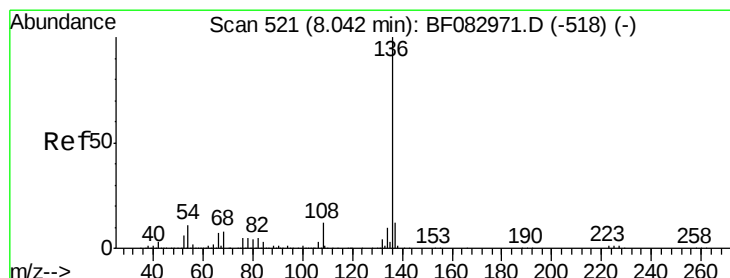
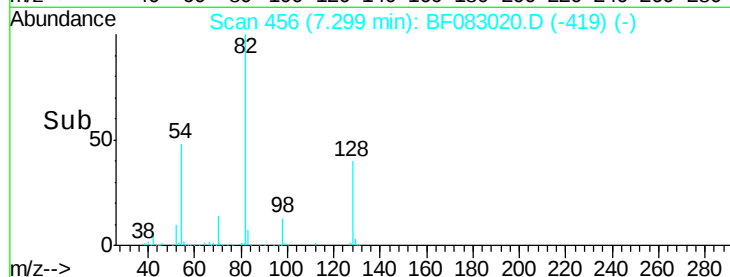
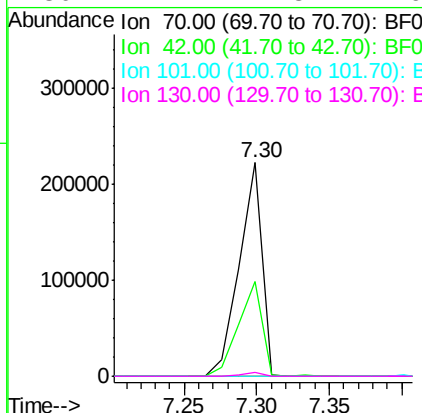
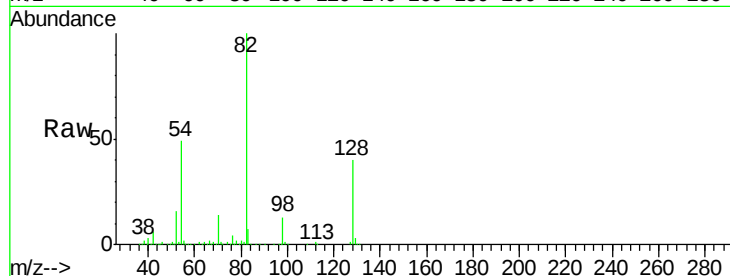




#19
n-Nitroso-di-n-propylamine
Concen: 16.45 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.13 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

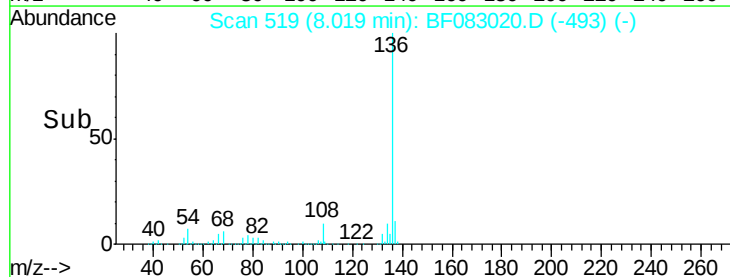
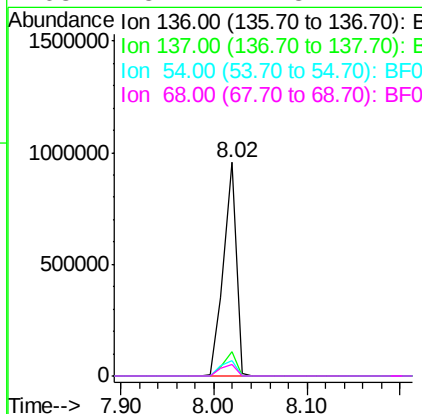
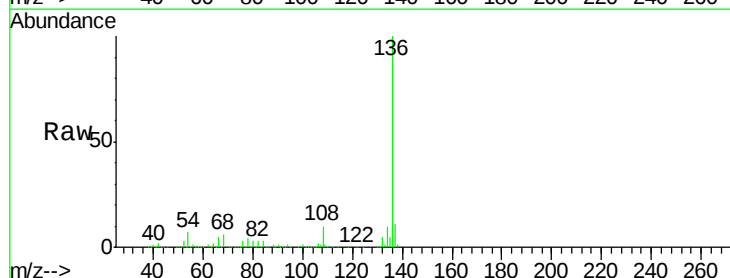
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-2-20151116

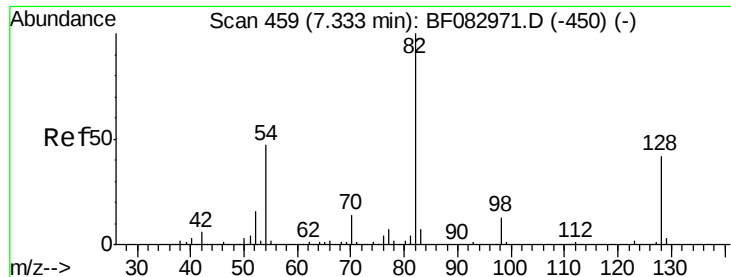
Tot Ion: 70 Resp: 241091
Ion Ratio Lower Upper
70 100
42 44.1 57.7 86.5#
101 0.0 7.0 10.6#
130 2.1 11.8 17.6#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. 0.00 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

Tgt Ion: 136 Resp: 916850
Ion Ratio Lower Upper
136 100
137 11.3 9.1 13.7
54 7.2 9.1 13.7#
68 5.7 4.8 7.2





#23

Nitrobenzene-d5

Concen: 83.86 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

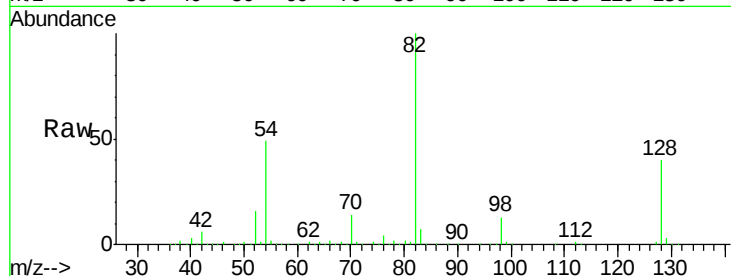
Tot Ion: 82 Resp: 1767025

Ion Ratio Lower Upper

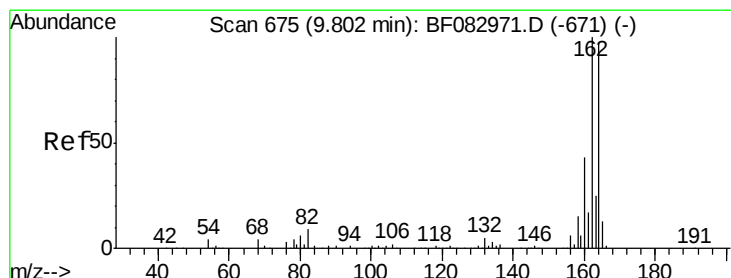
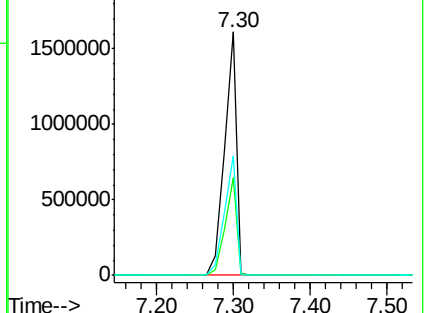
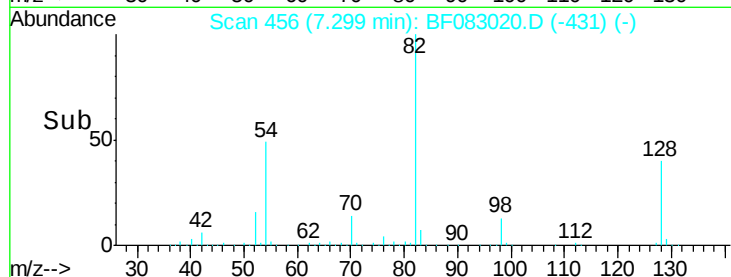
82 100

128 40.1 26.8 40.2

54 49.2 45.7 68.5



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

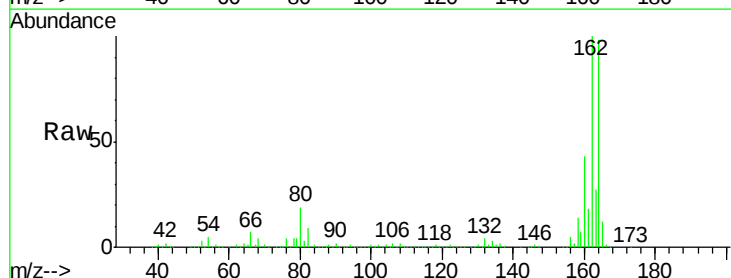
Tgt Ion:164 Resp: 453209

Ion Ratio Lower Upper

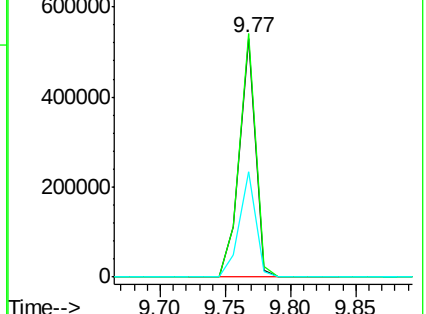
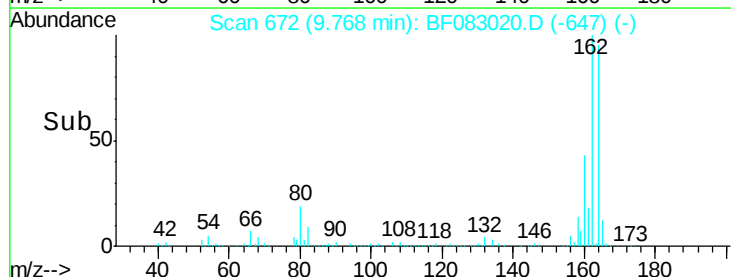
164 100

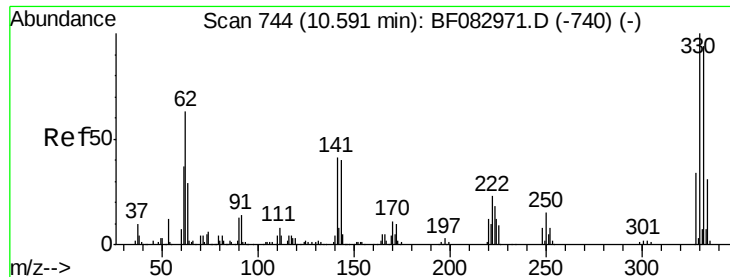
162 102.0 84.9 127.3

160 44.0 37.5 56.3



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

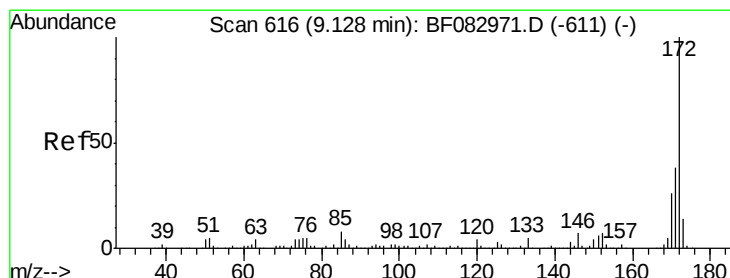
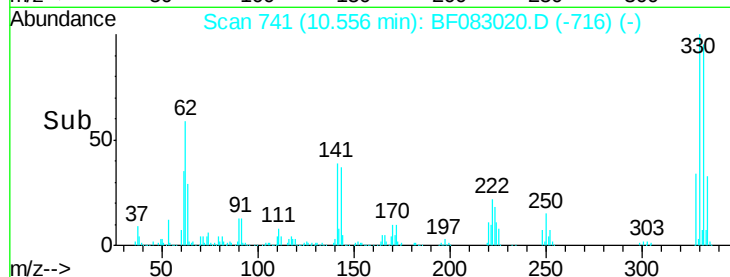
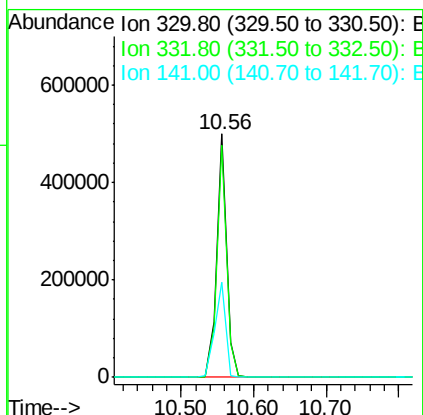
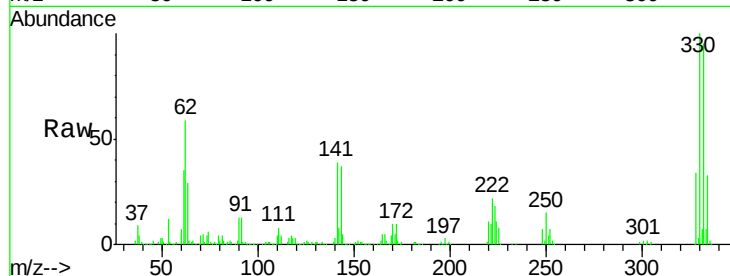




#41
 2,4,6-Tribromophenol
 Concen: 92.28 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

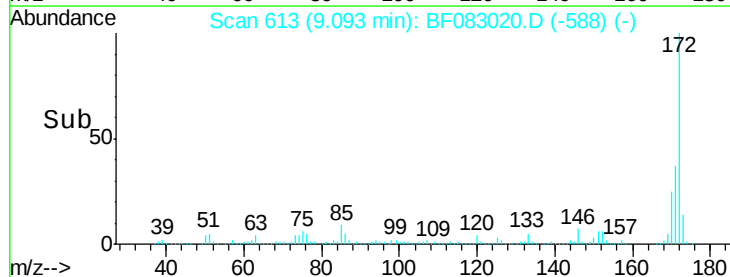
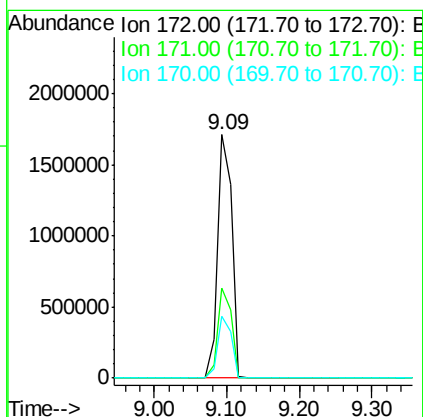
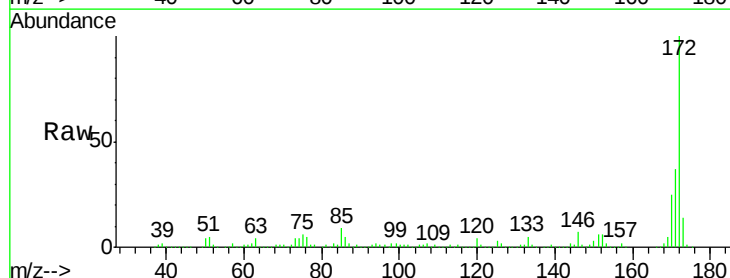
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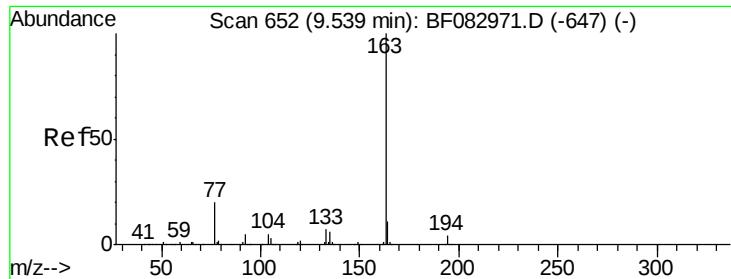
Tot Ion	Ratio	Lower	Upper
330	100		
332	94.4	76.6	114.8
141	42.5	41.2	61.8



#44
 2-Fluorobiphenyl
 Concen: 73.07 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	30.8	46.2
170	25.3	21.2	31.8

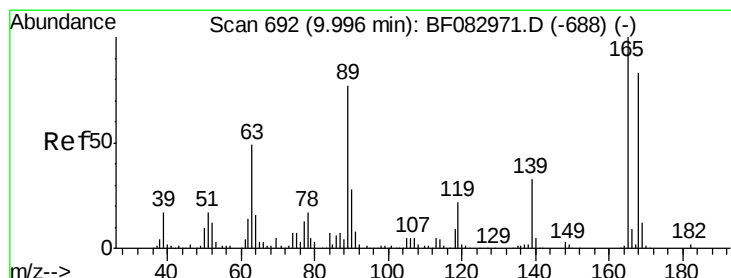
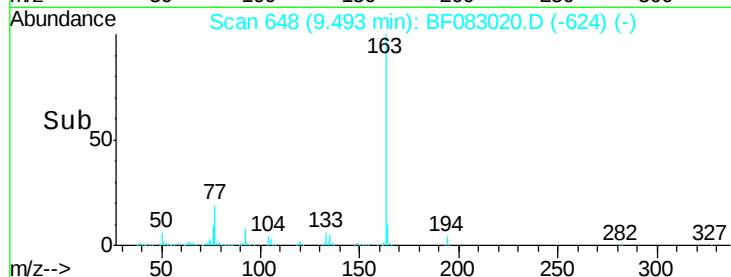
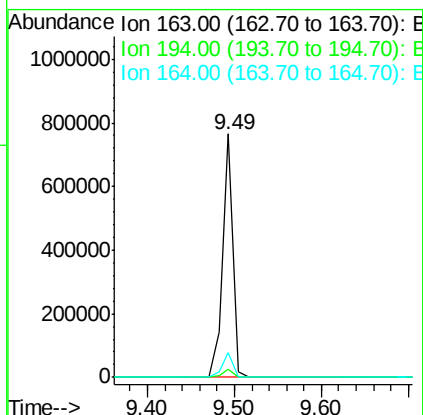
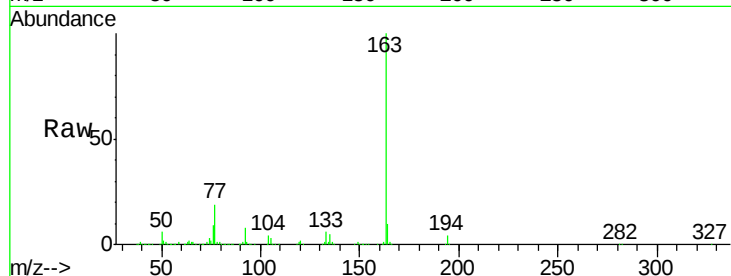




#49
Dimethylphthalate
Concen: 17.25 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

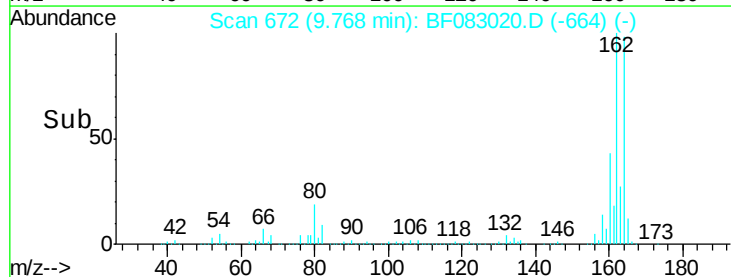
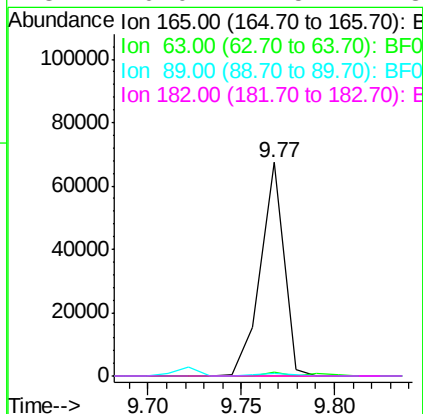
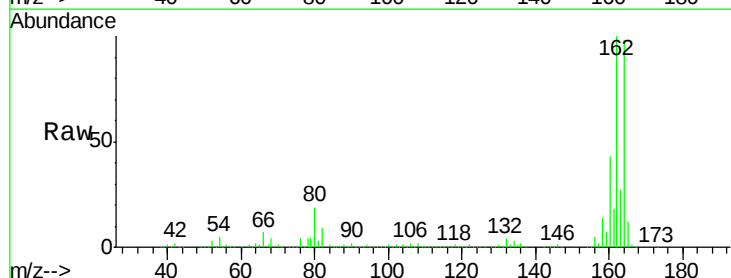
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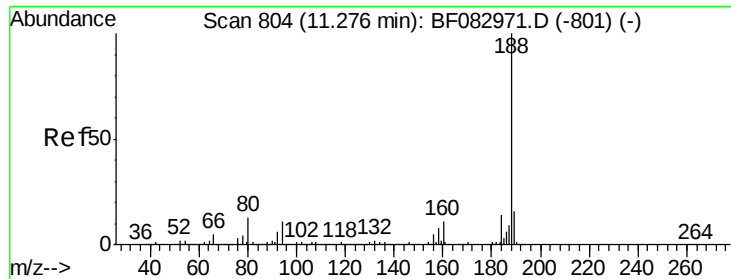
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.1	8.7	13.1



#56
2,4-Dinitrotoluene
Concen: 5.44 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.21 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	43.4	65.0#
89	1.4	70.6	106.0#
182	0.0	1.5	2.3#

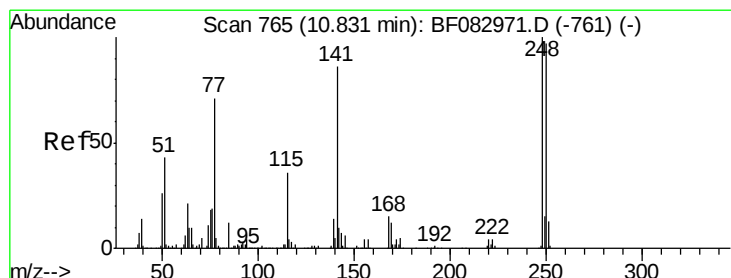
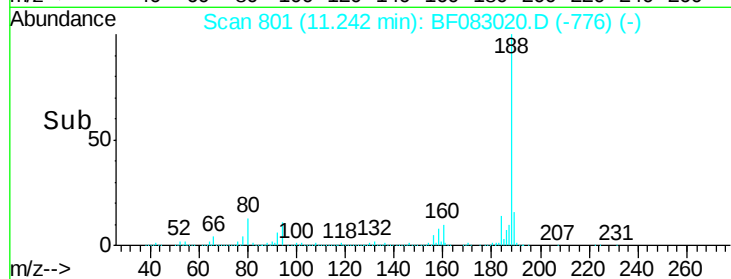
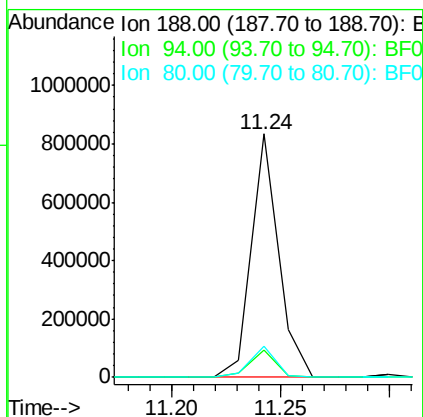
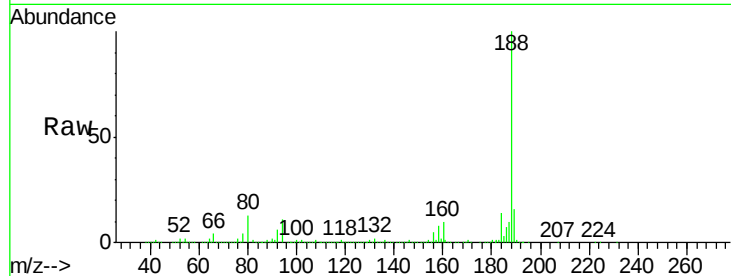




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

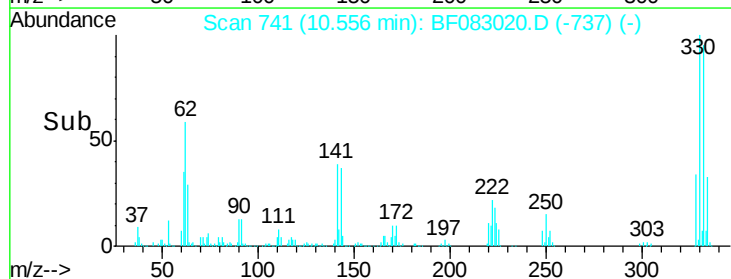
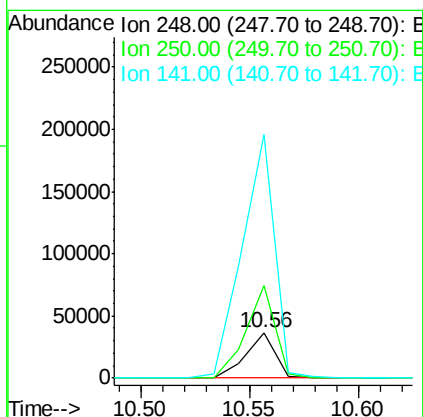
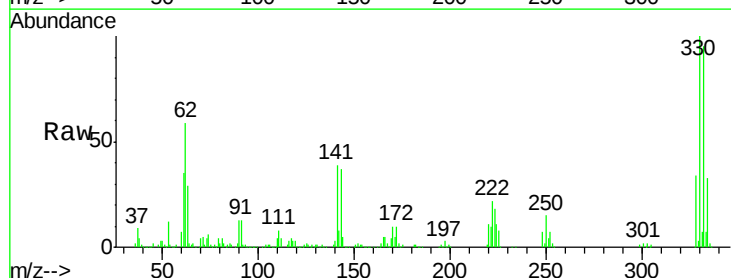
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-2-20151116

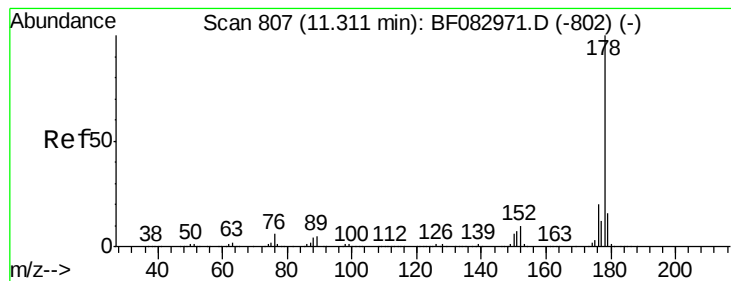
Tot Ion:188 Resp: 728854
Ion Ratio Lower Upper
188 100
94 11.4 6.1 9.1#
80 12.5 7.0 10.6#



#66
4-Bromophenyl-phenylether
Concen: 3.96 ng
RT: 10.56 min Scan# 741
Delta R.T. -0.25 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

Tgt Ion:248 Resp: 34785
Ion Ratio Lower Upper
248 100
250 202.7 79.4 119.2#
141 534.0 36.3 54.5#





#70

Phenanthrene

Concen: 6.08 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

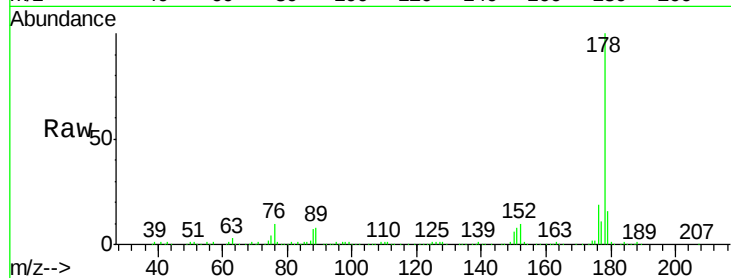
Tot Ion:178 Resp: 257341

Ion Ratio Lower Upper

178 100

176 18.6 17.0 25.4

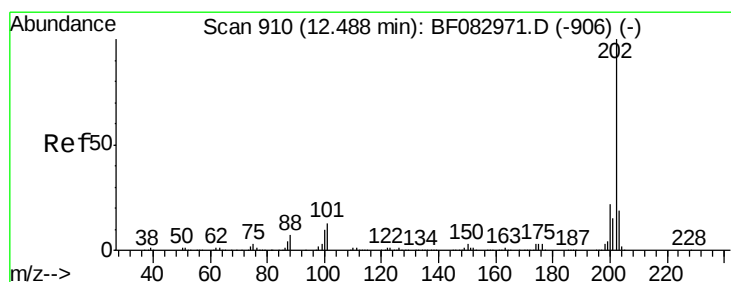
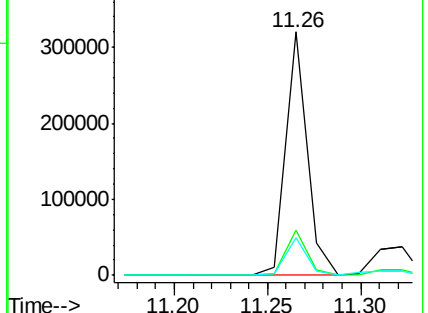
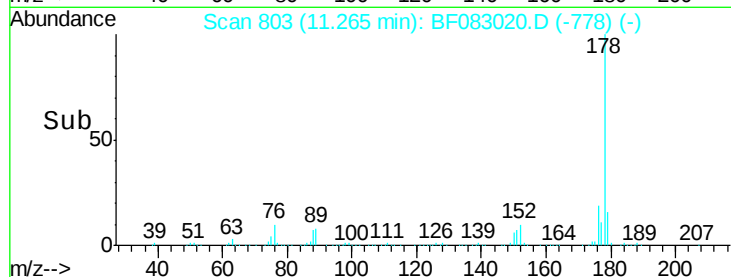
179 15.6 13.4 20.0



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: 10.45 ng

RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

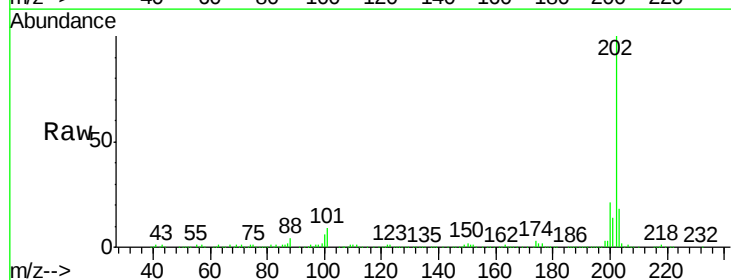
Tgt Ion:202 Resp: 474800

Ion Ratio Lower Upper

202 100

101 8.6 0.0 30.5

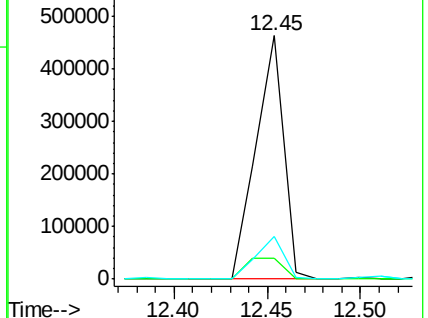
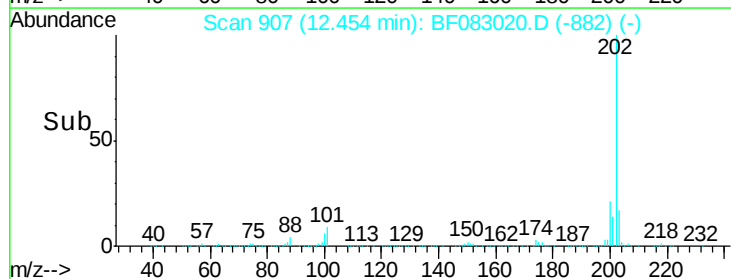
203 17.5 0.0 38.5

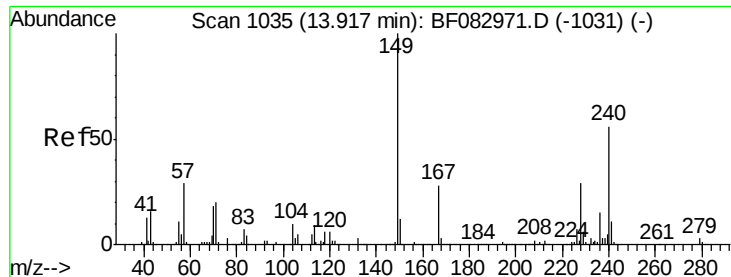


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF083020.D

Acq: 18 Nov 2015 20:58

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116

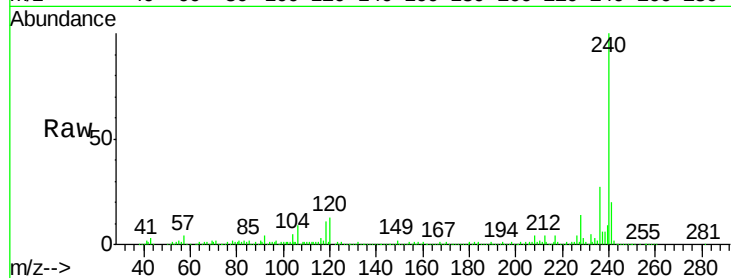
Tot Ion:240 Resp: 497238

Ion Ratio Lower Upper

240 100

120 12.9 10.9 16.3

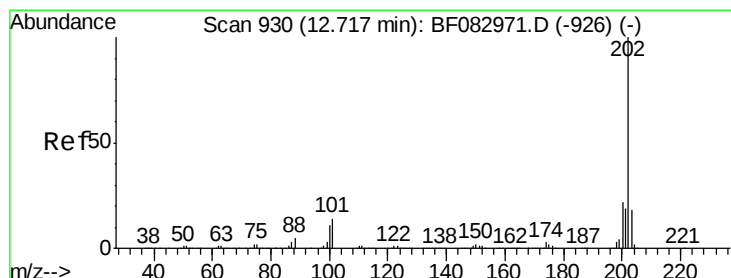
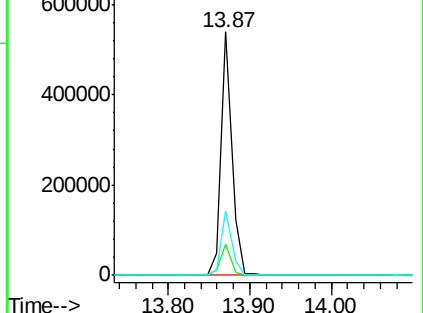
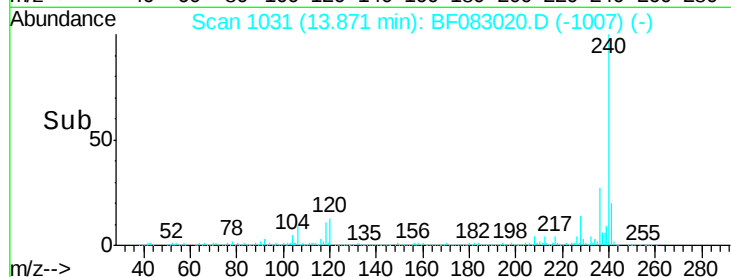
236 26.6 21.6 32.4



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: 12.52 ng

RT: 12.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

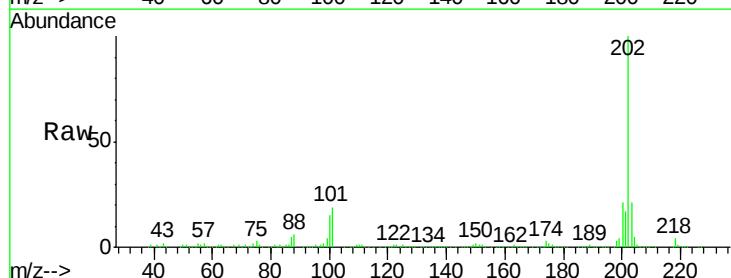
Tgt Ion:202 Resp: 427412

Ion Ratio Lower Upper

202 100

200 21.4 18.7 28.1

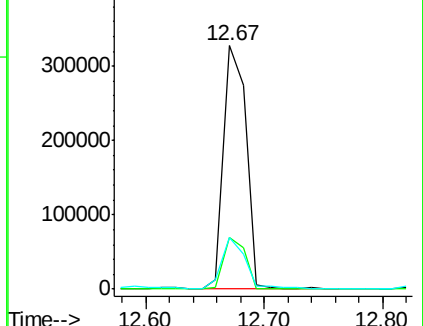
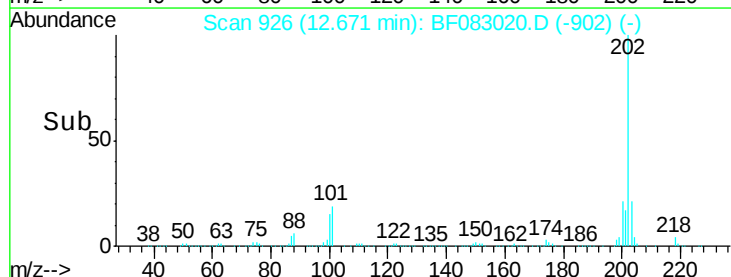
203 21.2 14.8 22.2

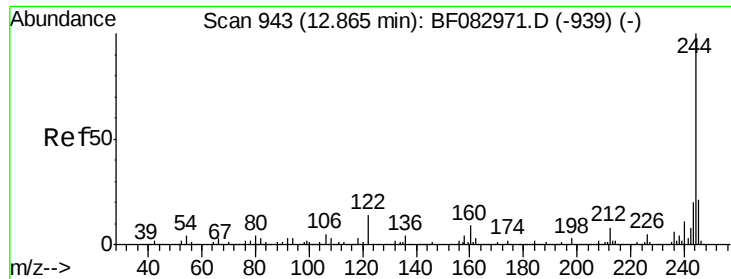


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

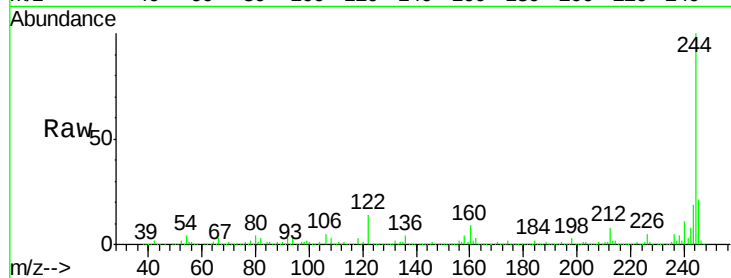




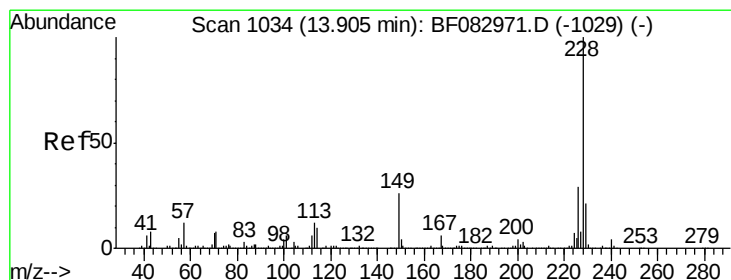
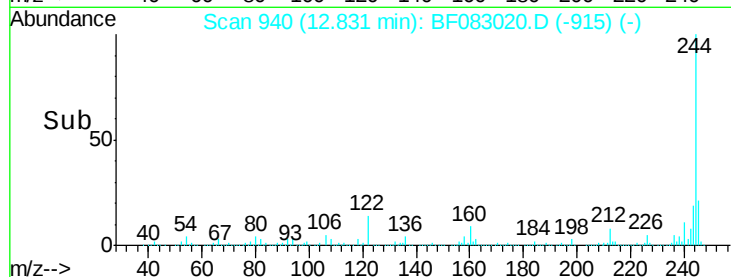
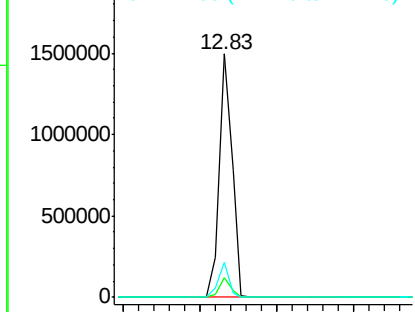
#78
 Terphenyl-d14
 Concen: 83.12 ng
 RT: 12.83 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116

Tot Ion:244 Resp: 1742649
 Ion Ratio Lower Upper
 244 100
 212 8.1 7.6 11.4
 122 14.2 11.3 16.9

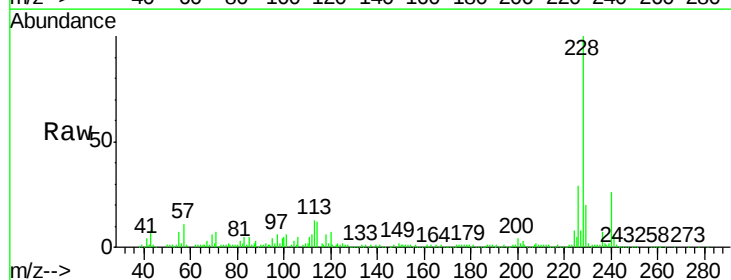


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

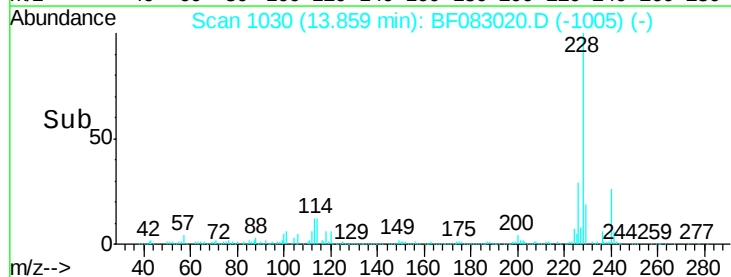
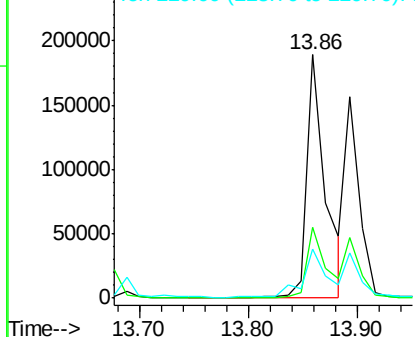


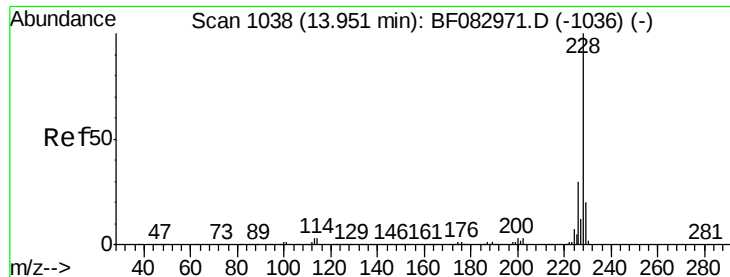
#80
 Benzo(a)anthracene
 Concen: 7.21 ng
 RT: 13.86 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

Tgt Ion:228 Resp: 224127
 Ion Ratio Lower Upper
 228 100
 226 29.3 23.4 35.2
 229 20.1 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: 7.83 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.06 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

Instrument :

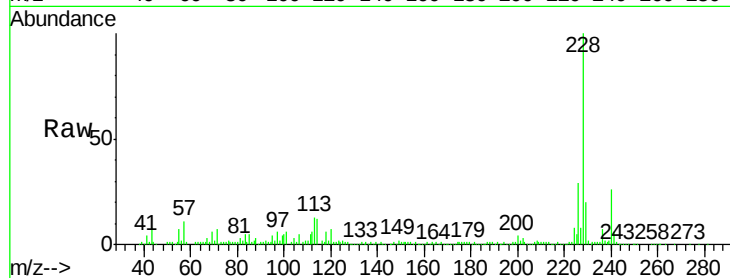
BNA_F

ClientSampleId :

CWC-MISC-2-20151116

Tot Ion:228 Resp: 222857

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.5	38.3
229	20.1	16.3	24.5

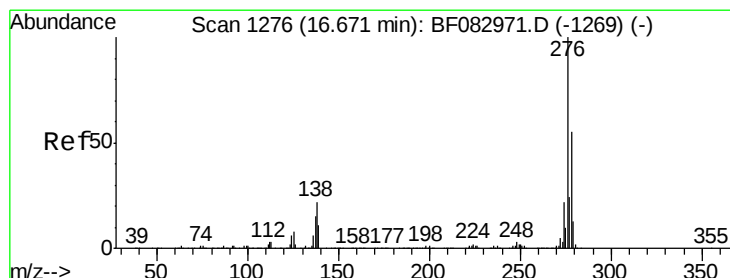
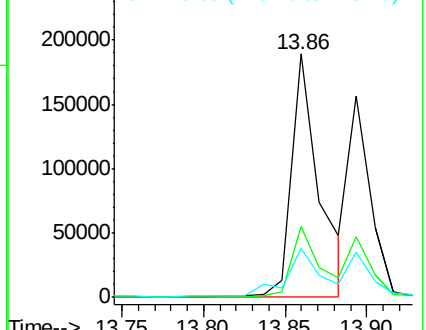
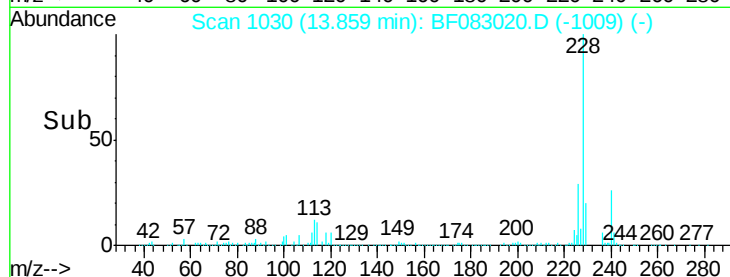


Abundance

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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.54 ng

RT: 16.57 min Scan# 1267

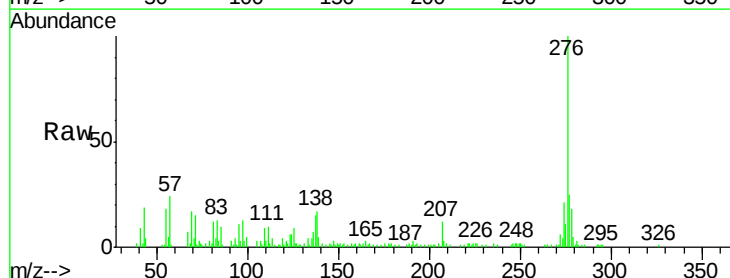
Delta R.T. -0.03 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

Tgt Ion:276 Resp: 62227

Ion	Ratio	Lower	Upper
276	100		
138	17.7	15.3	22.9
277	24.2	20.2	30.4

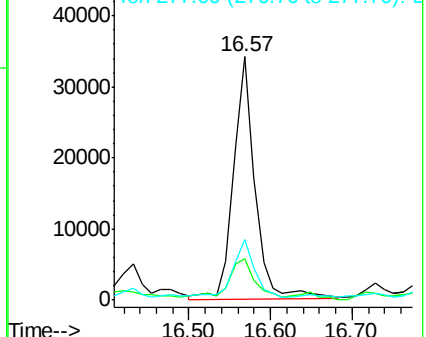
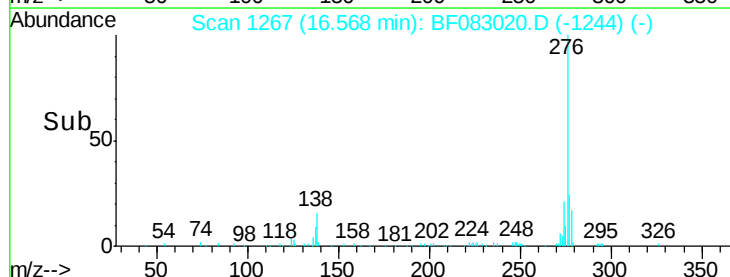


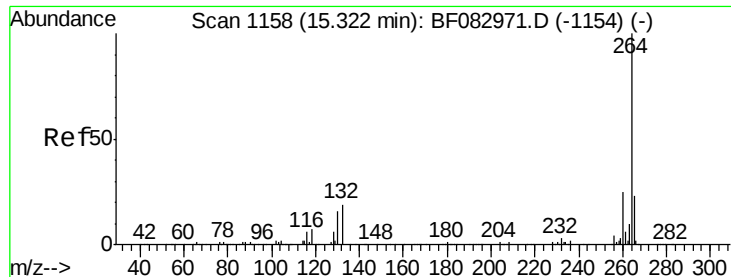
Abundance

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



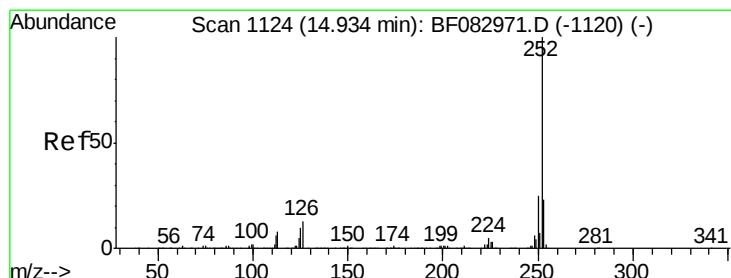
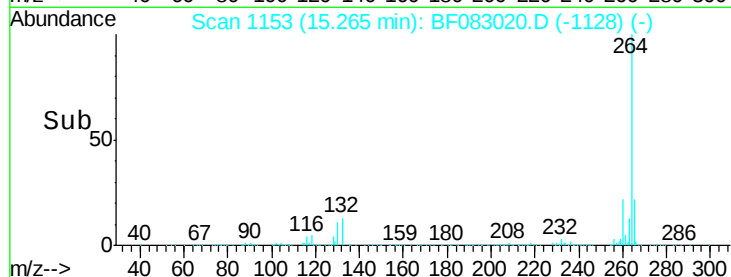
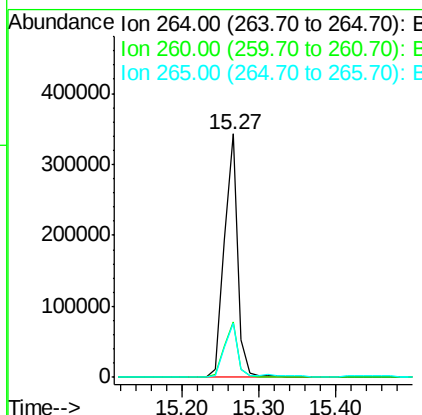
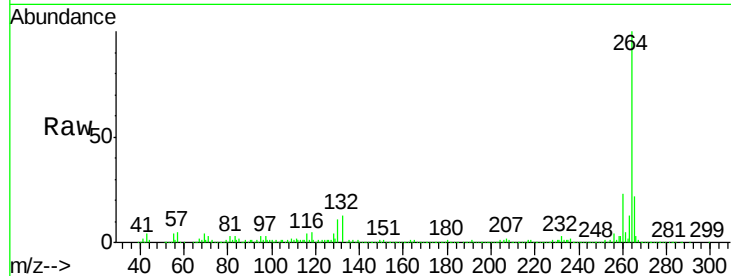


#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

Instrument :
BNA_F
ClientSampleId :
CWC-MISC-2-20151116

Tot Ion:264 Resp: 425326

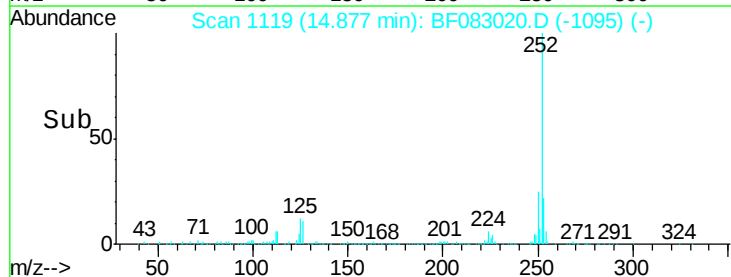
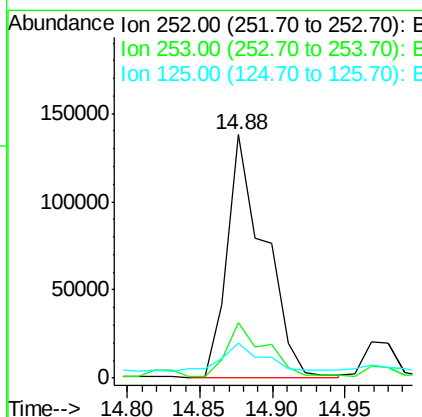
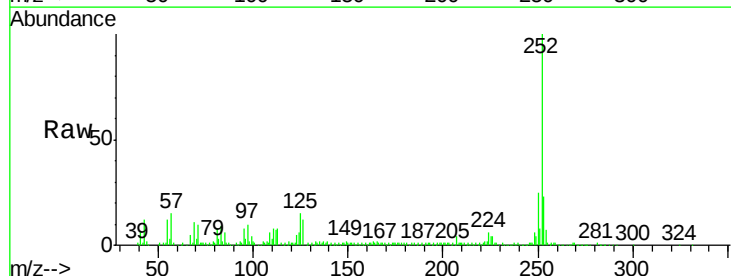
Ion	Ratio	Lower	Upper
264	100		
260	22.5	19.8	29.6
265	22.2	17.4	26.0

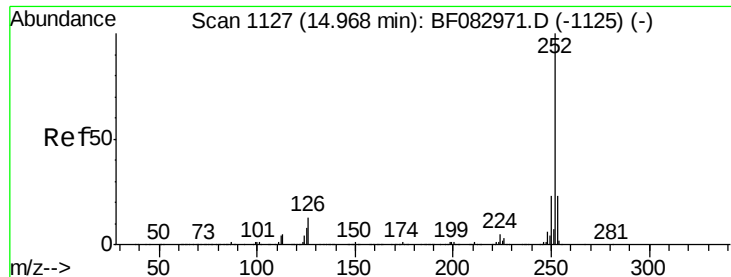


#87
Benzo(b)fluoranthene
Concen: 9.01 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

Tgt Ion:252 Resp: 246066

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	14.5	5.4	8.2#

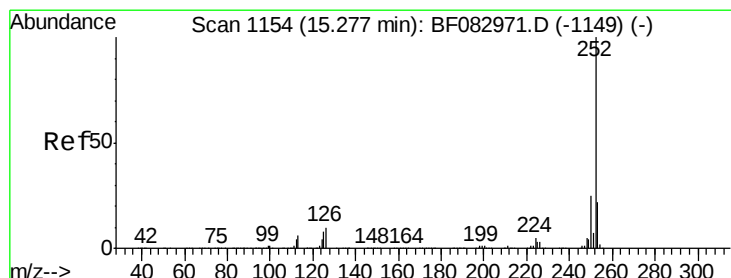
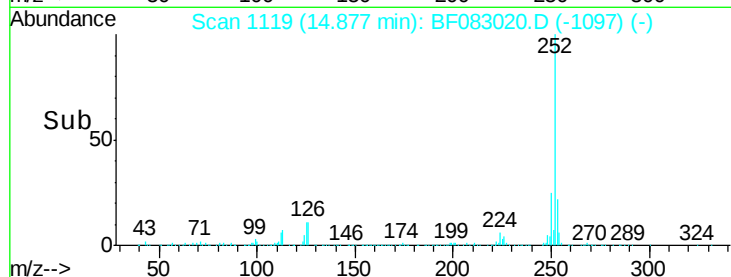
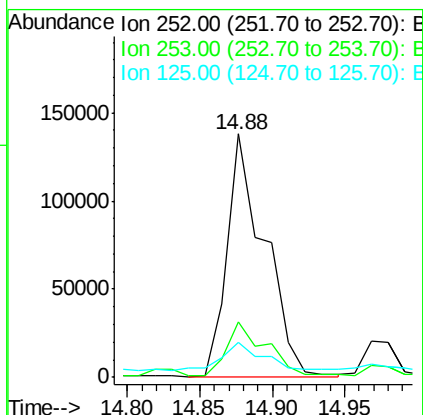
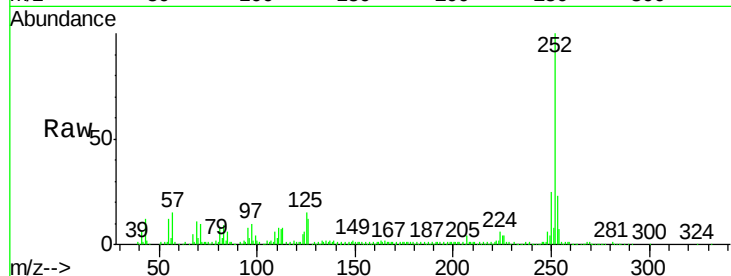




#88
Benzo(k)fluoranthene
Concen: 10.16 ng
RT: 14.88 min Scan# 1119
Delta R.T. -0.05 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

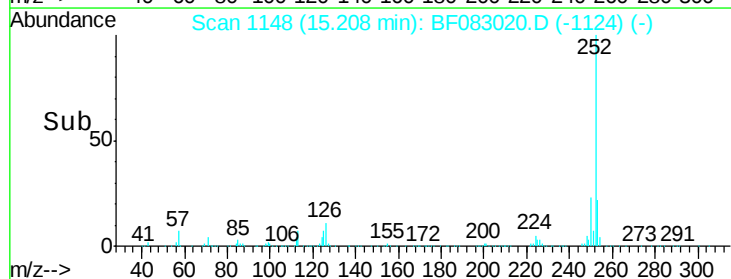
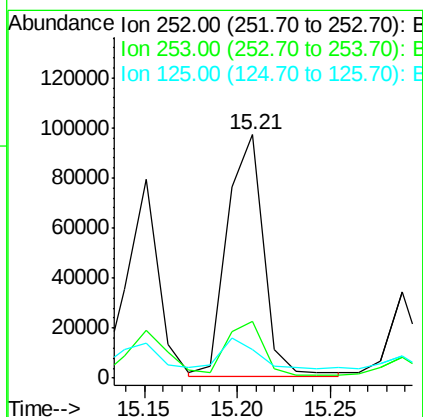
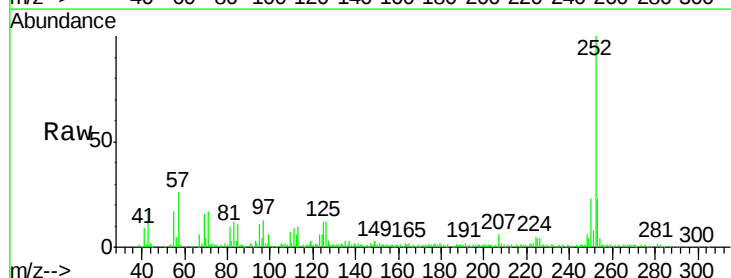
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-2-20151116

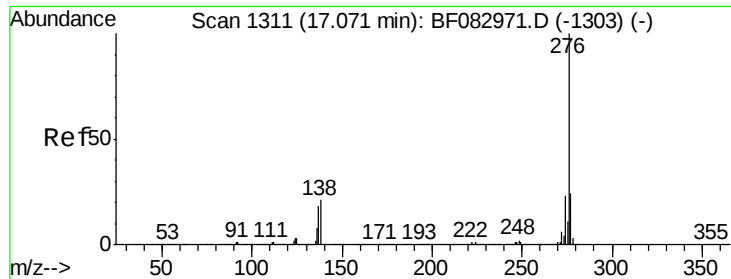
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	14.5	3.5	5.3#



#89
Benzo(a)pyrene
Concen: 5.60 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	11.7	7.1	10.7#





#91
 Benzo(a,h,i)perylene
 Concen: 3.01 ng
 RT: 16.96 min Scan# 1301
 Delta R.T. -0.05 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.2	28.8
138	17.8	13.1	19.7

