

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083020.D
 Acq On : 18 Nov 2015 20:58
 Operator : UM/IZ
 Sample : G4453-03
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
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Quant Time: Nov 19 03:20:13 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						
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						Qvalue
49) Dimethylphthalate	9.49	163	640526	17.25	ng	98
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	13.89	228	148413m	5.21	ng	
85) Indeno(1,2,3-cd)pyrene	16.57	276	62227	2.54	ng	97
87) Benzo(b)fluoranthene	14.88	252	178681m	6.54	ng	
88) Benzo(k)fluoranthene	14.89	252	69222m	2.86	ng	
89) Benzo(a)pyrene	15.21	252	132400	5.60	ng	# 95
91) Benzo(g,h,i)perylene	16.96	276	57658	3.01	ng	97

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

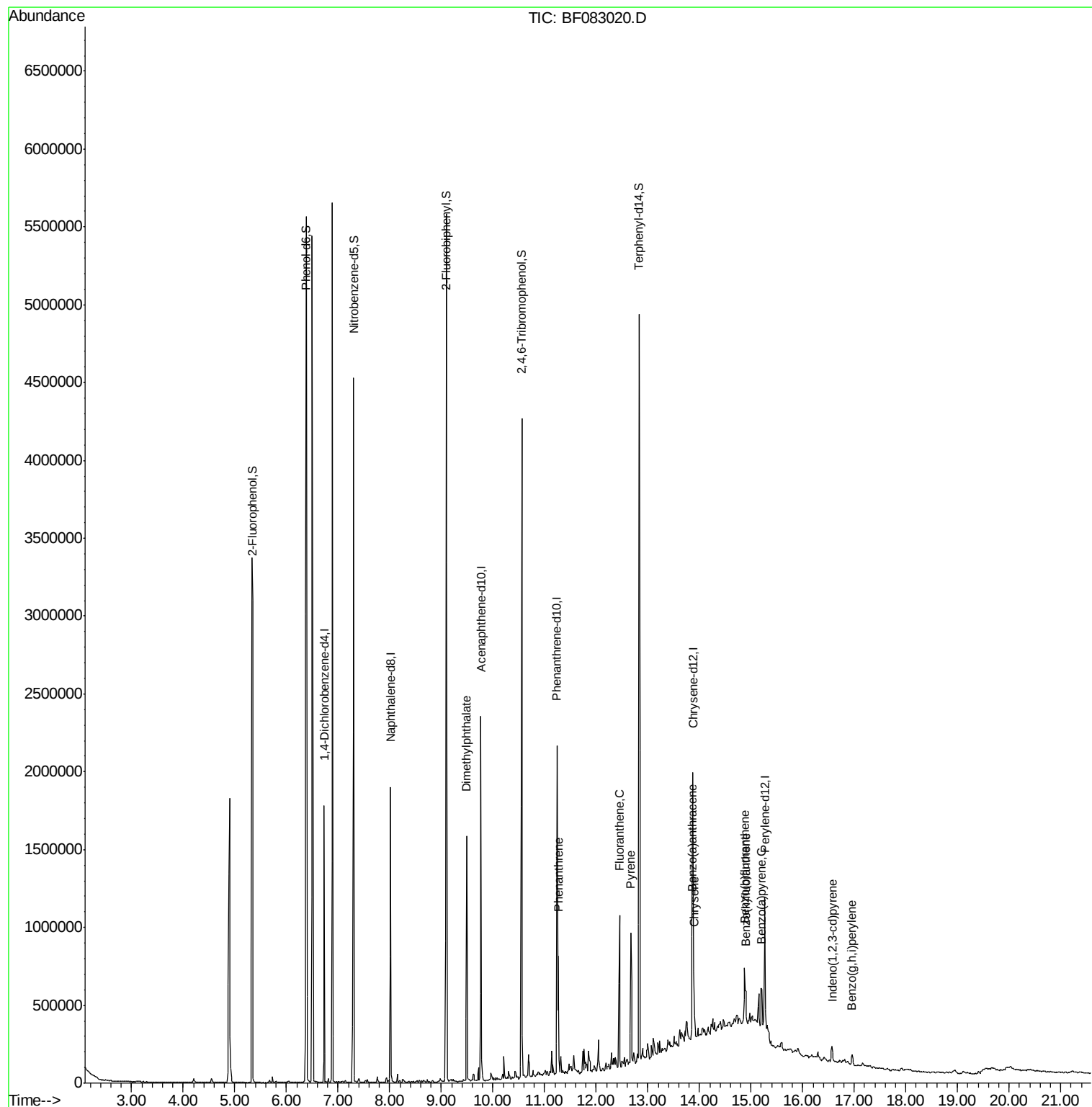
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083020.D
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Operator : UM/IZ
Sample : G4453-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

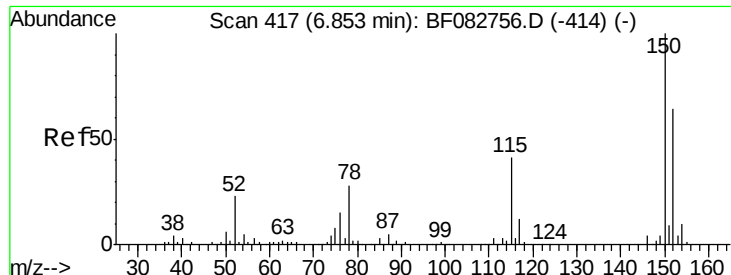
Instrument :
BNA_F
ClientSampleId :
CWC-MISC-2-20151116

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Quant Time: Nov 19 03:20:13 2015
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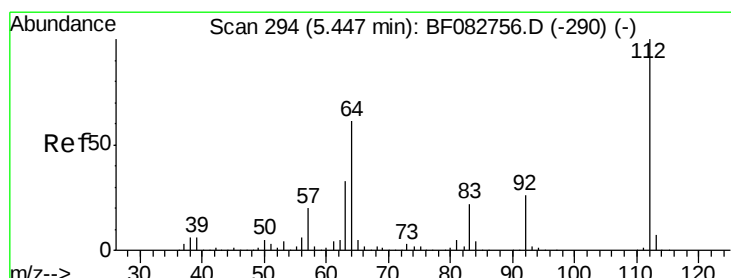
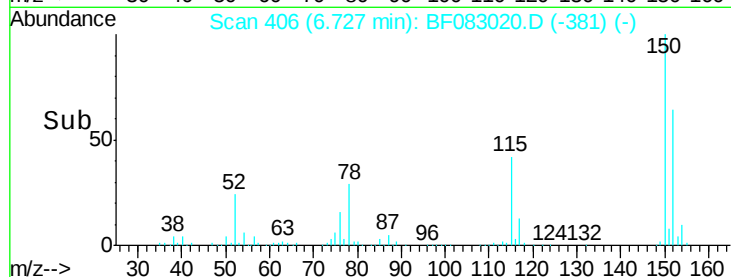
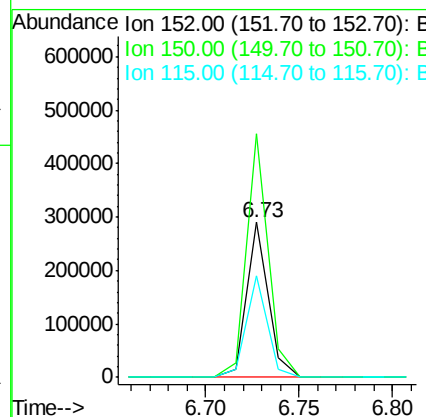
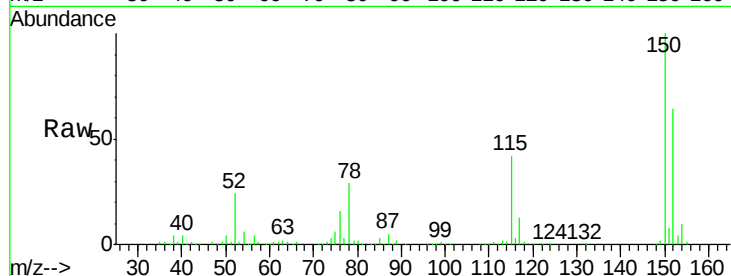
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.73 min Scan# 406
 Delta R.T. -0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

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

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	233298		
150	157.3	127.0	190.4	
115	66.0	47.0	70.6	

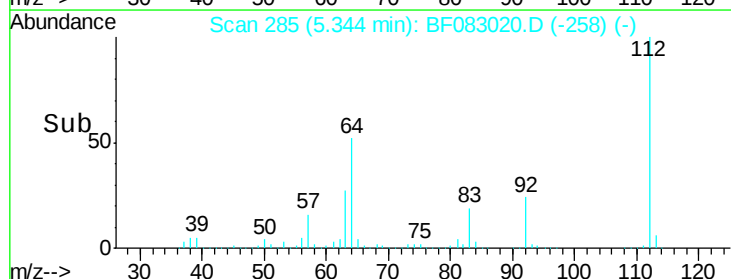
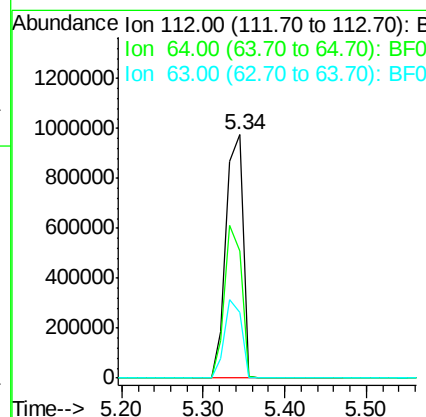
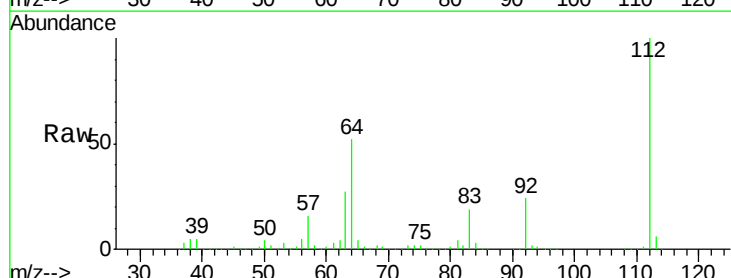
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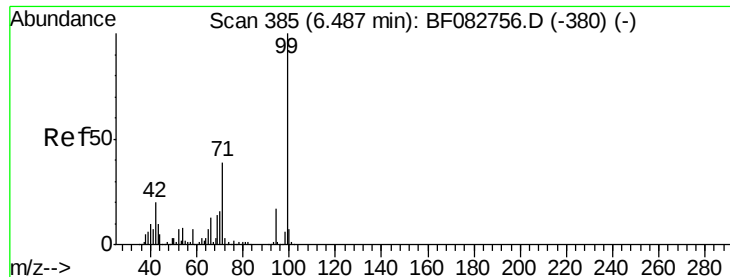
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#5
 2-Fluorophenol
 Concen: 93.66 ng
 RT: 5.34 min Scan# 285
 Delta R.T. 0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1404322		
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

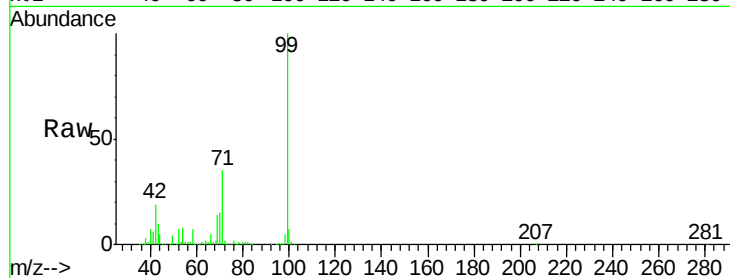
Acq: 18 Nov 2015 20:58

Instrument :

BNA_F

ClientSampleId :

CWC-MISC-2-20151116



Tgt Ion: 99 Resp: 2311668

Ion Ratio Lower Upper

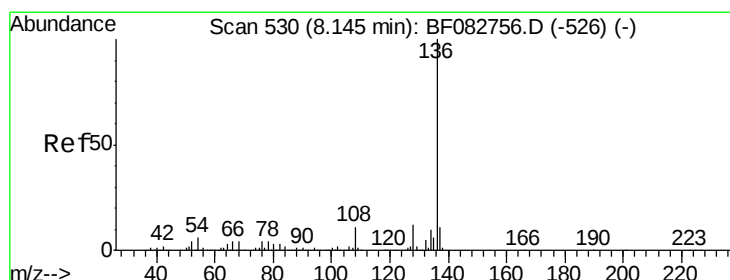
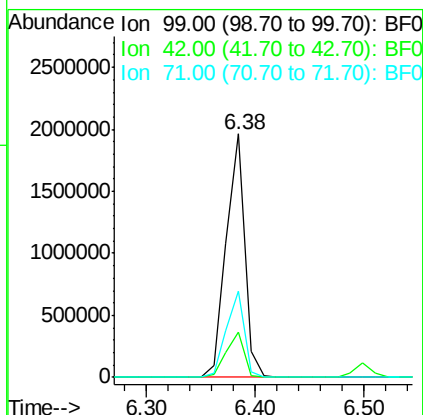
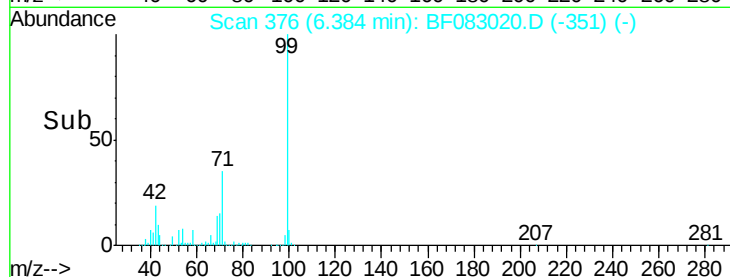
99 100

42 18.7 19.2 28.8#

71 35.5 35.0 52.4

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#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

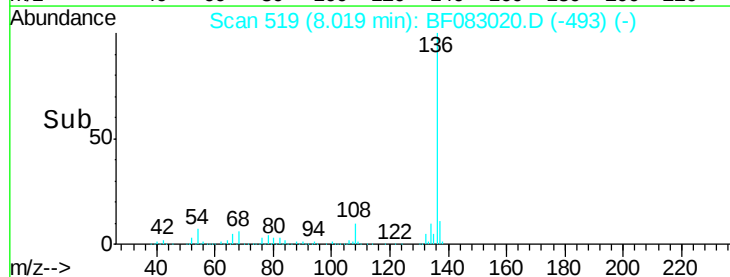
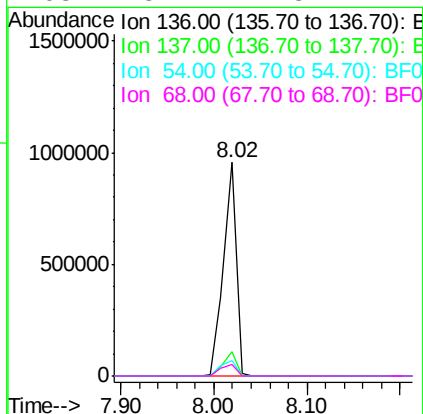
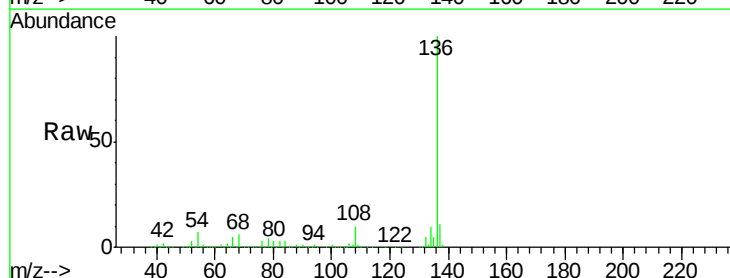
Ion Ratio Lower Upper

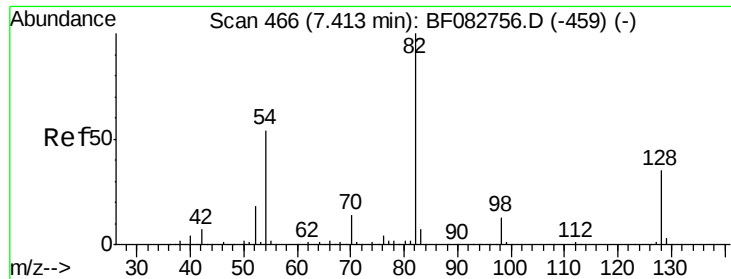
136 100

137 11.3 9.1 13.7

54 7.2 9.1 13.7#

68 5.7 4.8 7.2





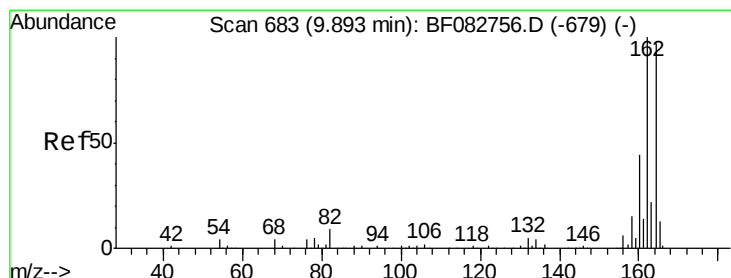
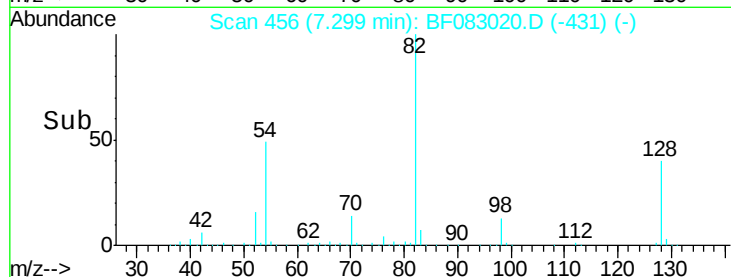
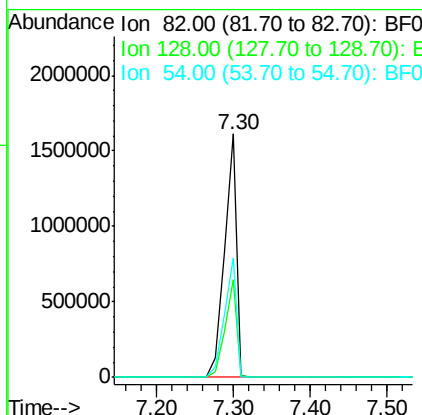
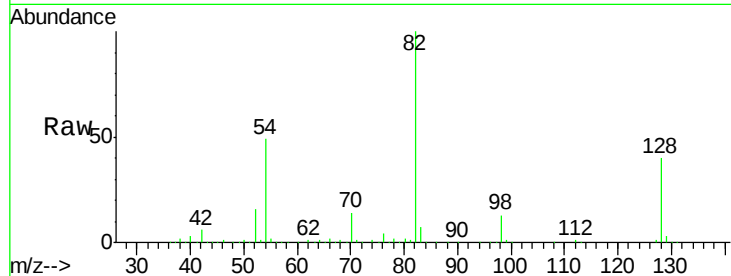
#23
 Nitrobenzene-d5
 Concen: 83.86 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

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

Tgt Ion: 82 Resp: 1767025
 Ion Ratio Lower Upper
 82 100
 128 40.1 26.8 40.2
 54 49.2 45.7 68.5

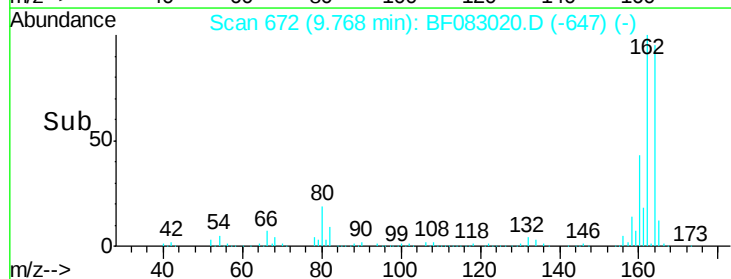
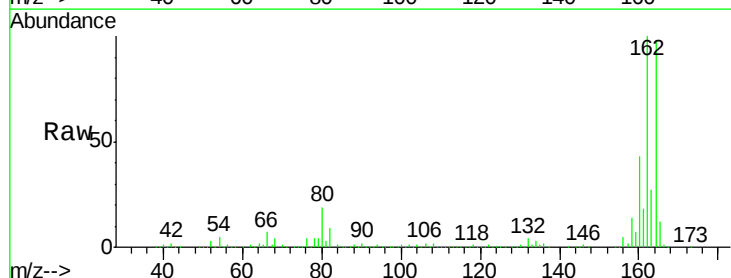
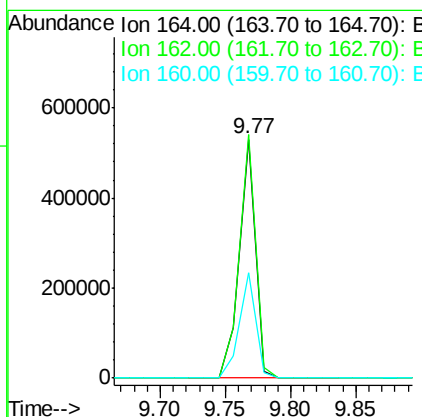
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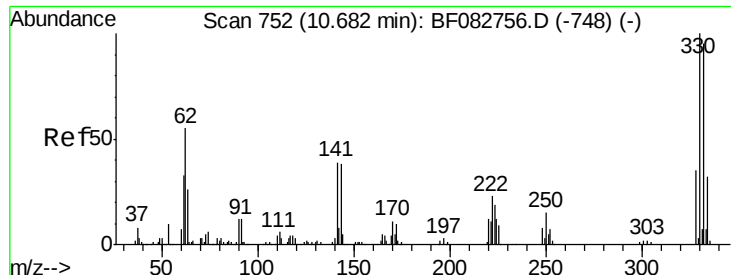
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 672
 Delta R.T. -0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

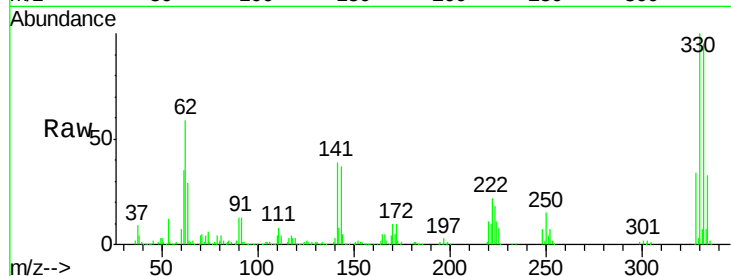
Tgt Ion: 164 Resp: 453209
 Ion Ratio Lower Upper
 164 100
 162 102.0 84.9 127.3
 160 44.0 37.5 56.3





#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

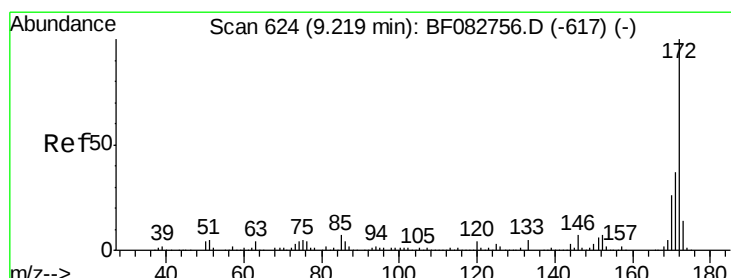
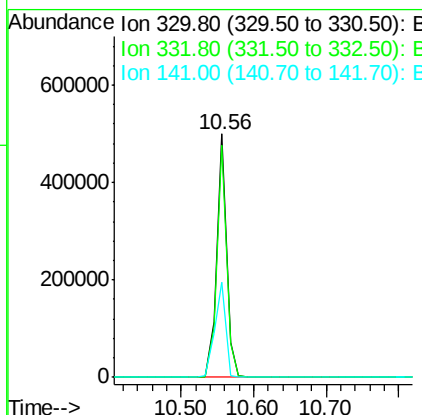
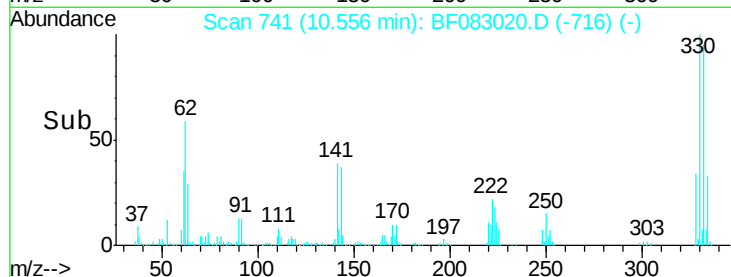
Instrument :
 BNA_F
 ClientSampleId :
 CWC-MISC-2-20151116



Tgt Ion	Ratio	Resp	Lower	Upper
330	100	479536		
332	94.4	76.6	114.8	
141	42.5	41.2	61.8	

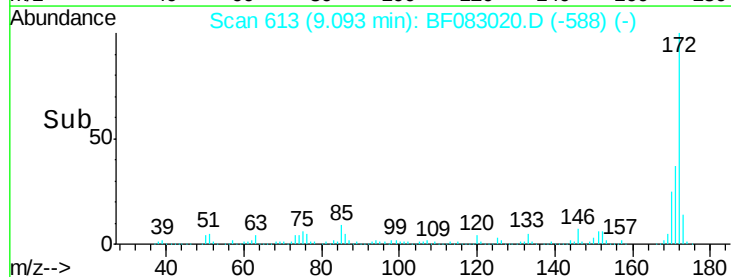
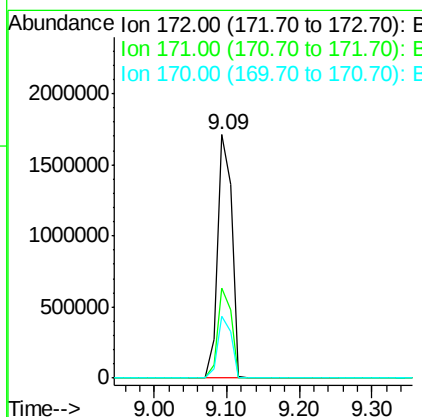
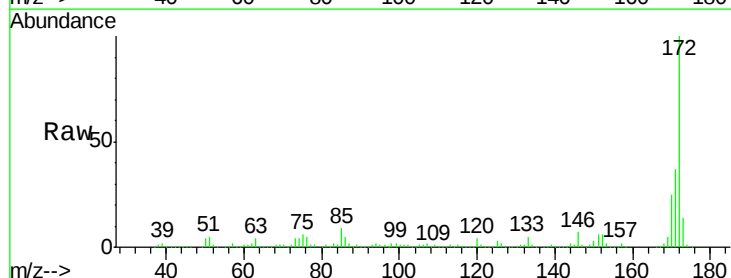
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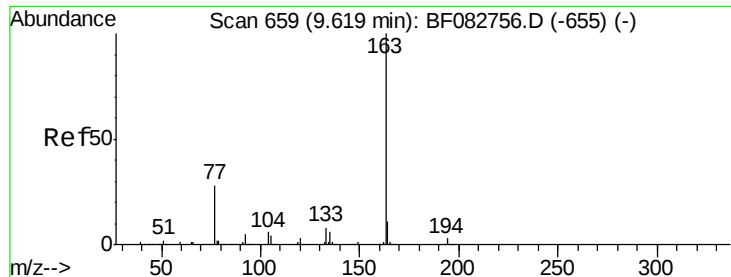
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#44
 2-Fluorobiphenyl
 Concen: 73.07 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2310529		
171	36.7	30.8	46.2	
170	25.3	21.2	31.8	





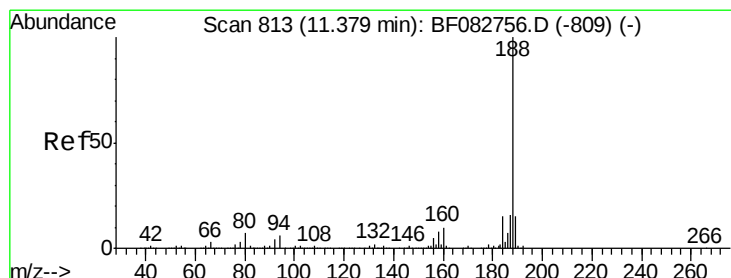
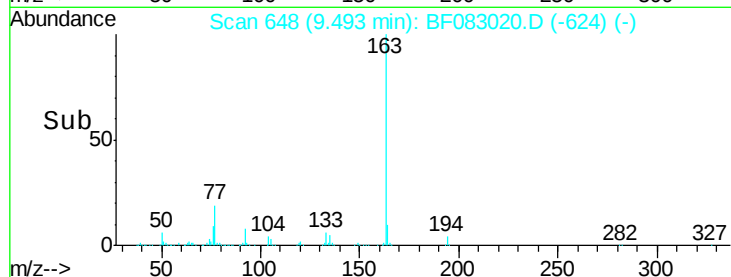
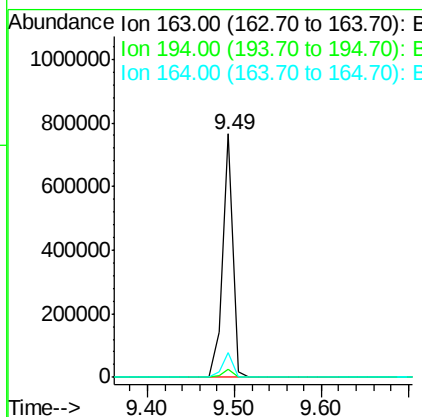
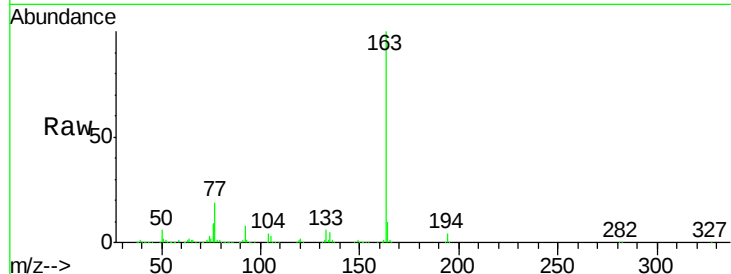
#49
Dimethylphthalate
Concen: 17.25 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

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BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100	640526		
194	3.6	2.6	4.0	
164	10.1	8.7	13.1	

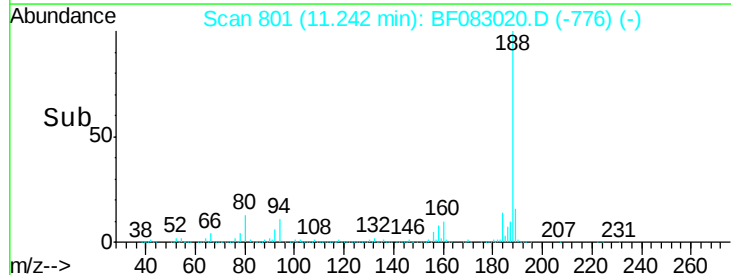
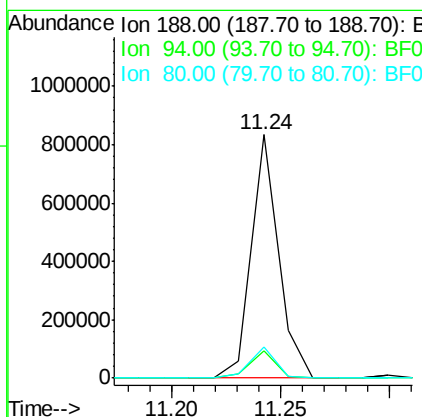
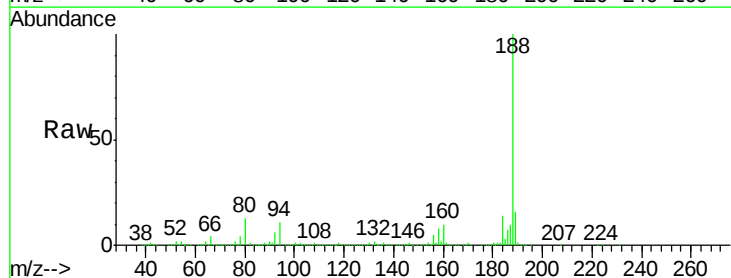
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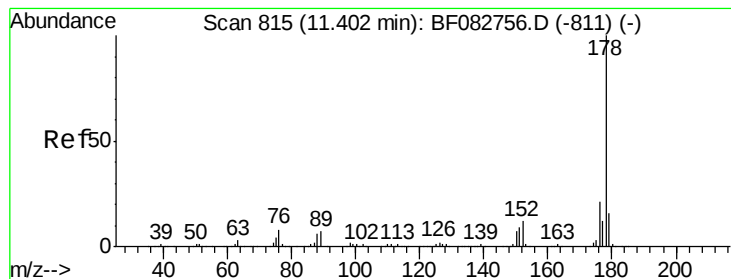
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

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





#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

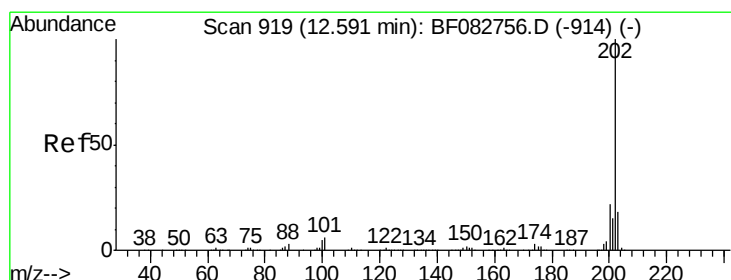
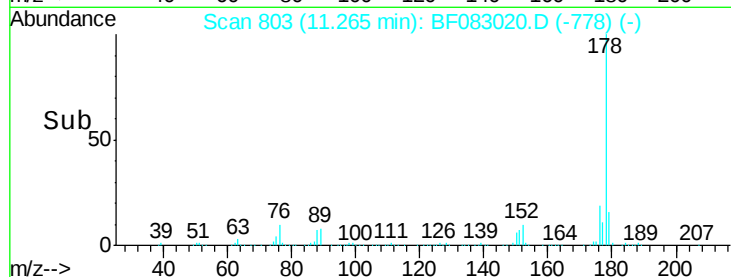
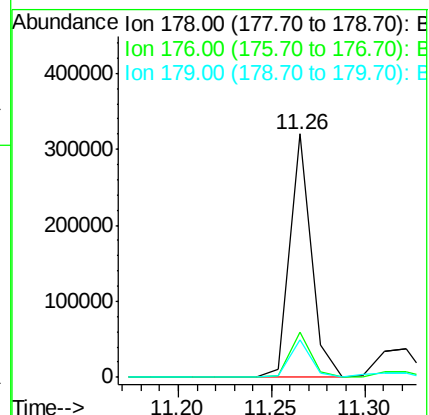
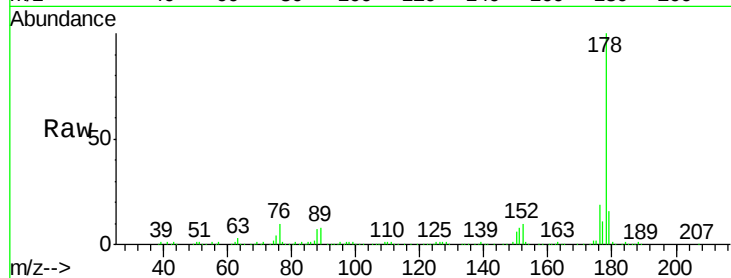
ClientSampleId :

CWC-MISC-2-20151116

Tgt Ion:	178	Resp:	257341
Ion Ratio	Lower	Upper	
178	100		
176	18.6	17.0	25.4
179	15.6	13.4	20.0

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#74

Fluoranthene

Concen: 10.45 ng

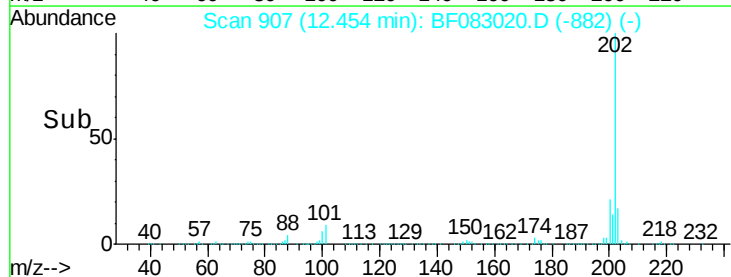
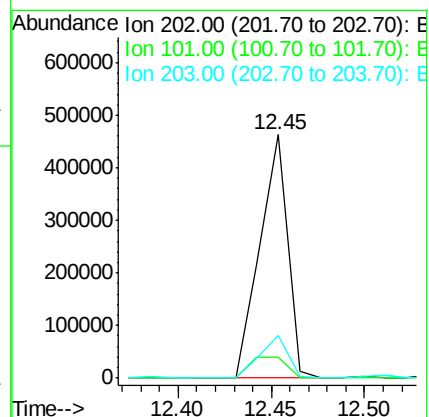
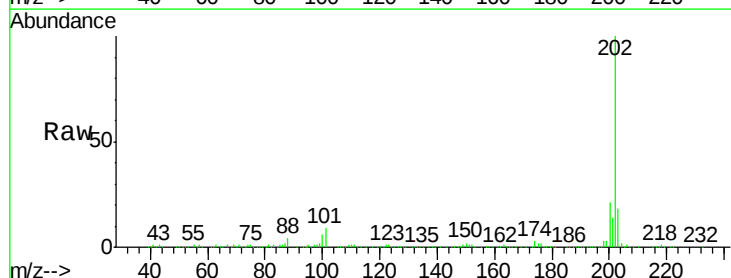
RT: 12.45 min Scan# 907

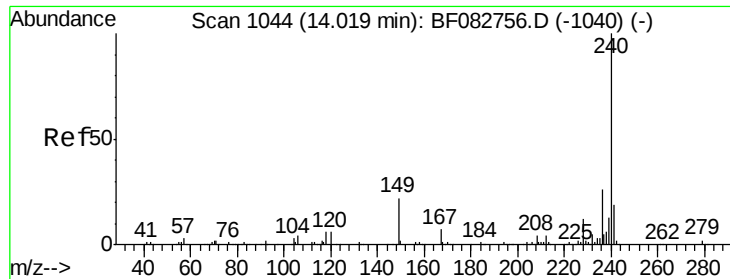
Delta R.T. -0.01 min

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





#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

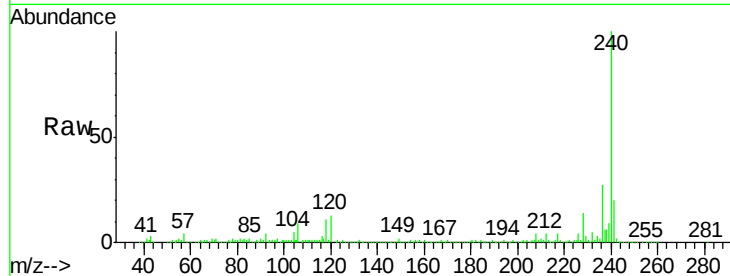
ClientSampleId :

CWC-MISC-2-20151116

Tgt Ion:	240	Resp:	497238
Ion Ratio	Lower	Upper	
240	100		
120	12.9	10.9	16.3
236	26.6	21.6	32.4

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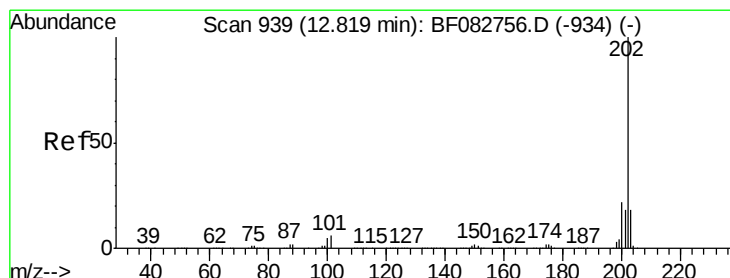
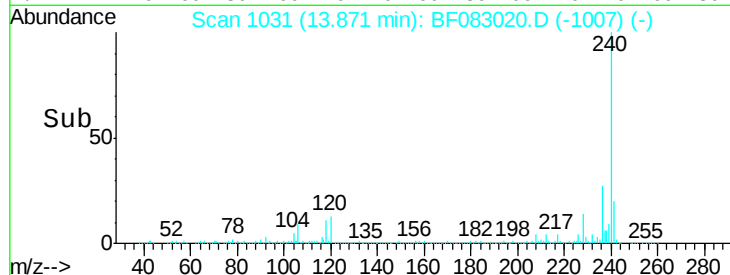
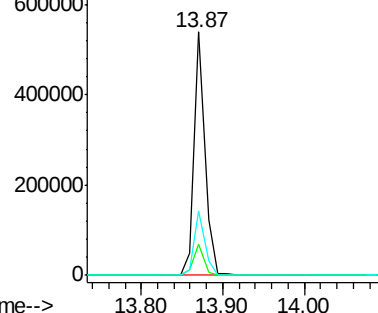
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 12.52 ng

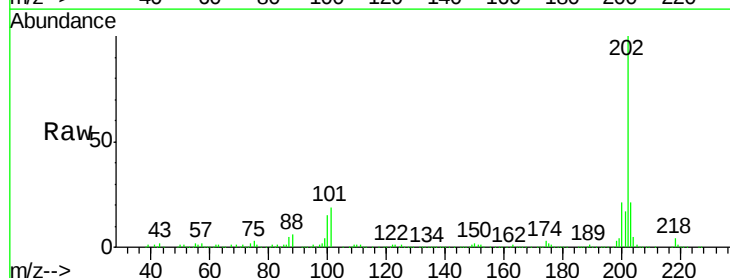
RT: 12.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF083020.D

Acq: 18 Nov 2015 20:58

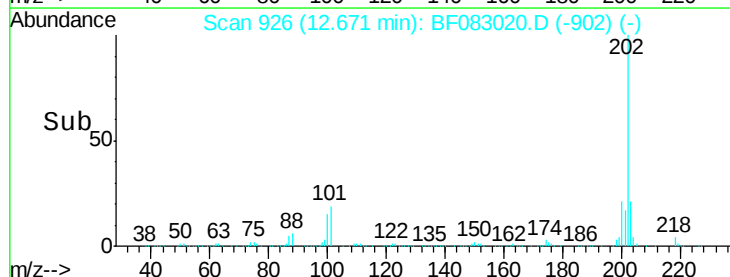
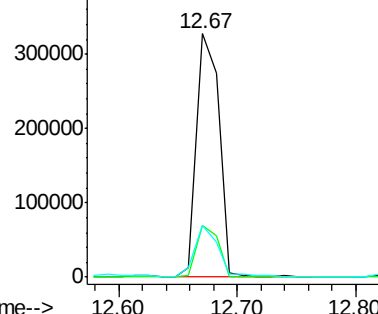
Tgt Ion:	202	Resp:	427412
Ion Ratio	Lower	Upper	
202	100		
200	21.4	18.7	28.1
203	21.2	14.8	22.2

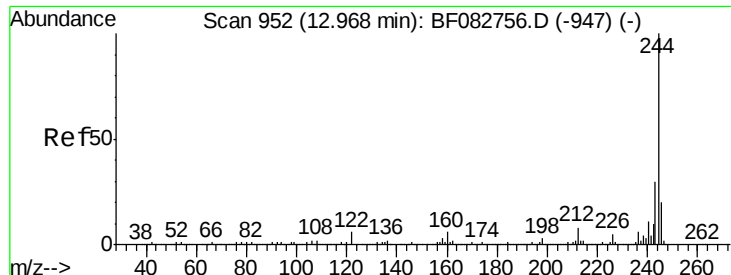


Abundance Ion 202.00 (201.70 to 202.70): E

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

Tgt Ion:244 Resp: 1742649

Ion Ratio Lower Upper

244 100

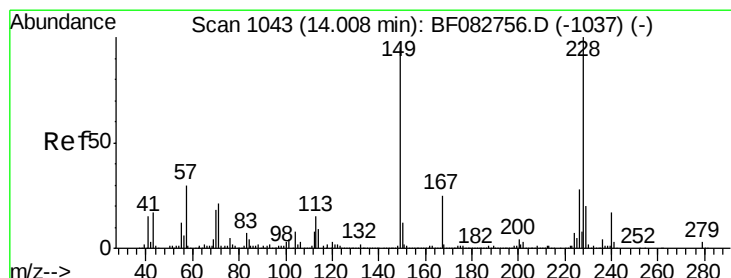
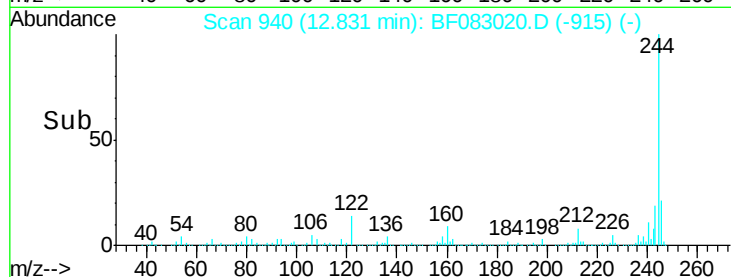
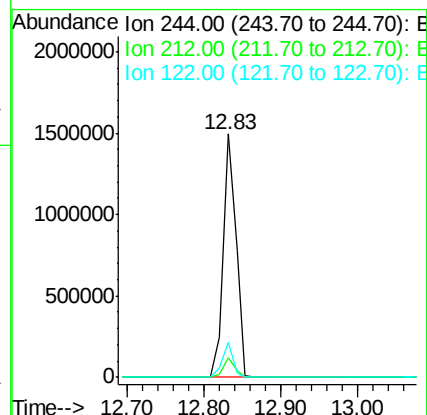
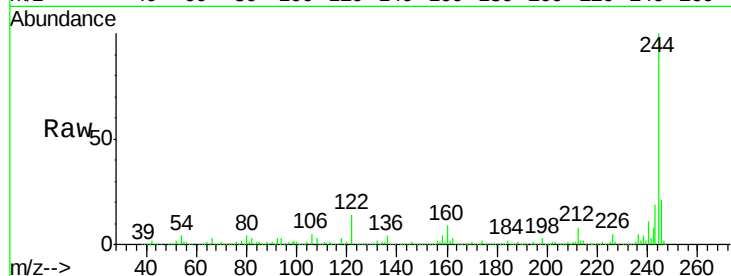
212 8.1 7.6 11.4

122 14.2 11.3 16.9

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#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

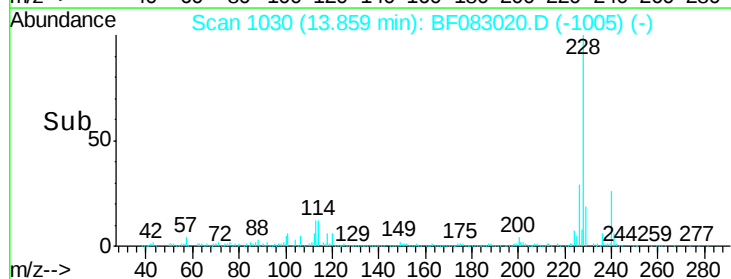
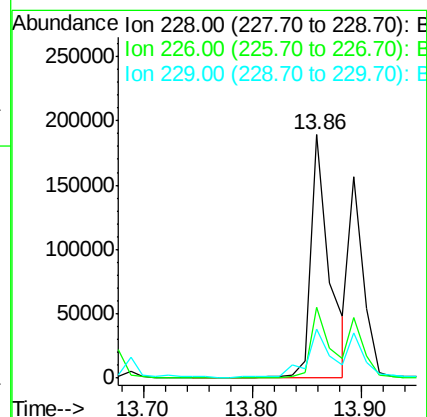
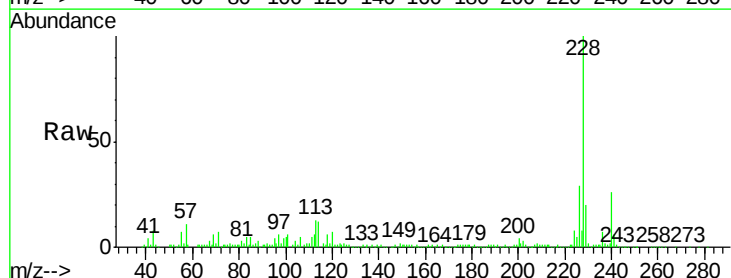
Tgt Ion:228 Resp: 224127

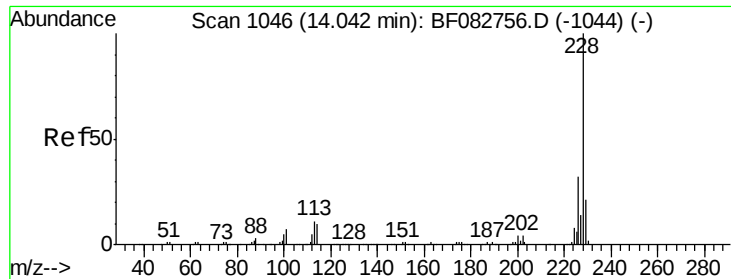
Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

229 20.1 16.3 24.5





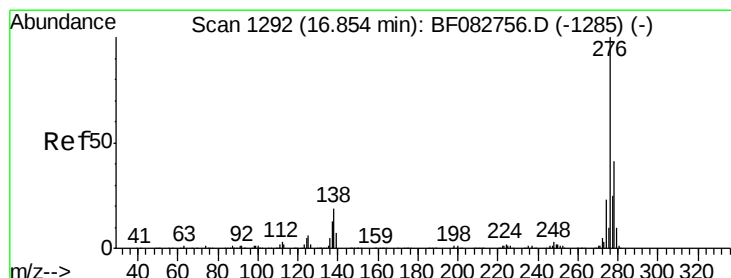
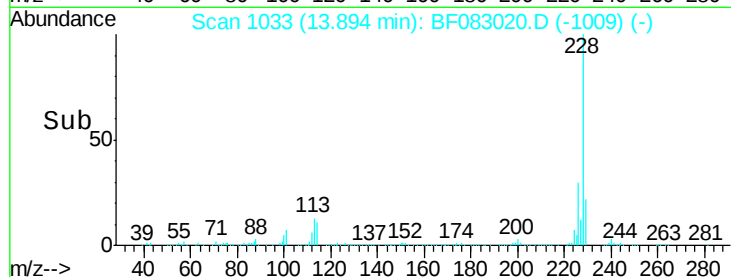
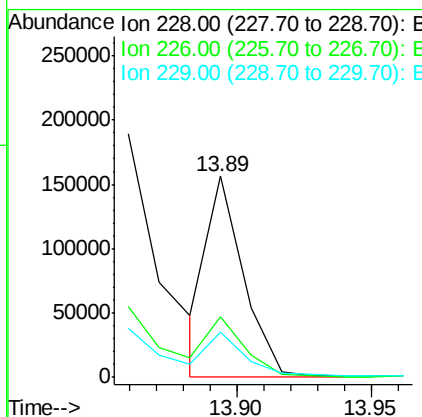
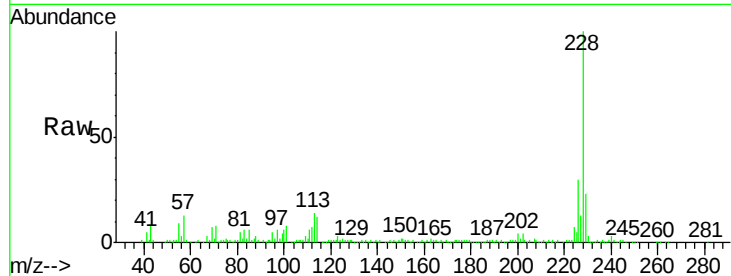
#82
Chrysene
Concen: 5.21 ng m
RT: 13.89 min Scan# 1033
Delta R.T. -0.02 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

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

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.5	38.3
229	22.7	16.3	24.5

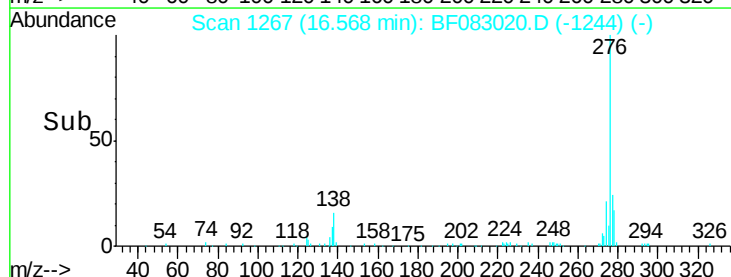
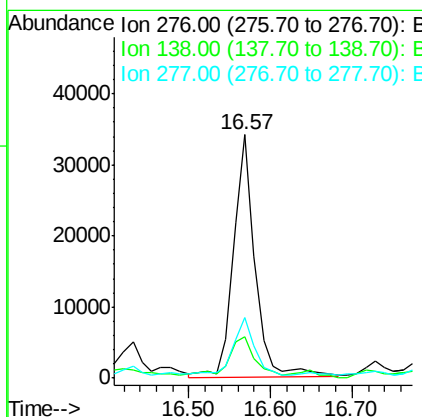
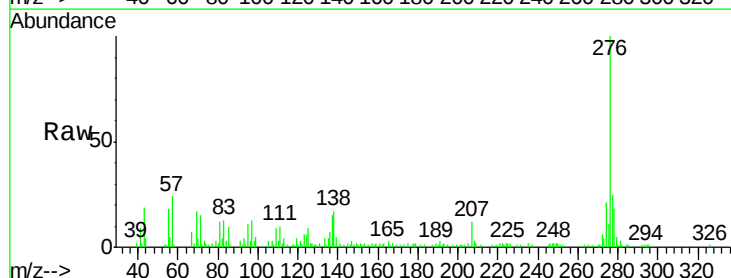
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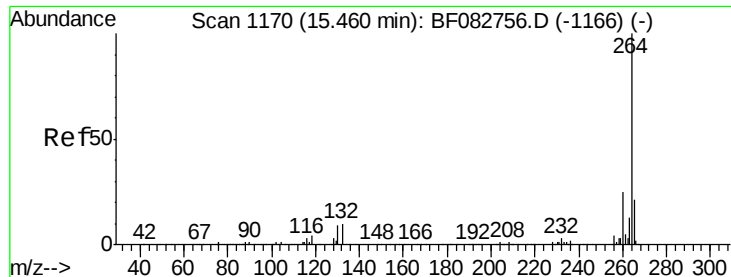
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.54 ng
RT: 16.57 min Scan# 1267
Delta R.T. -0.03 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

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





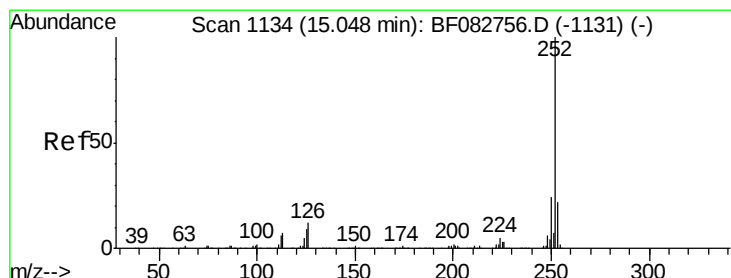
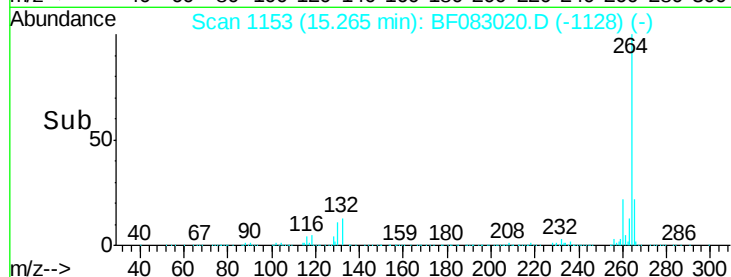
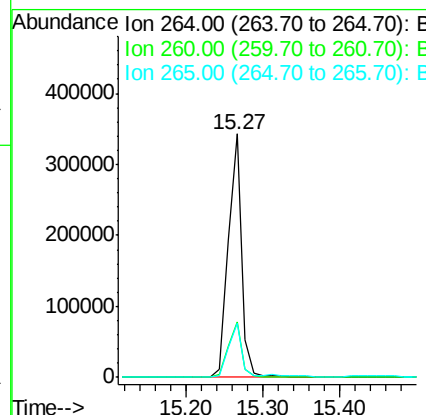
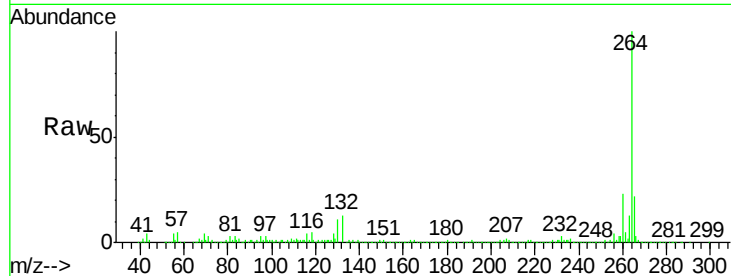
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

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

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

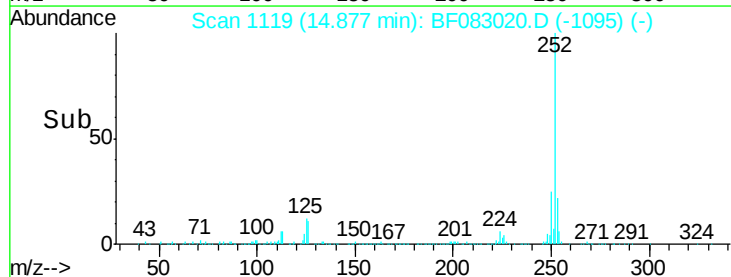
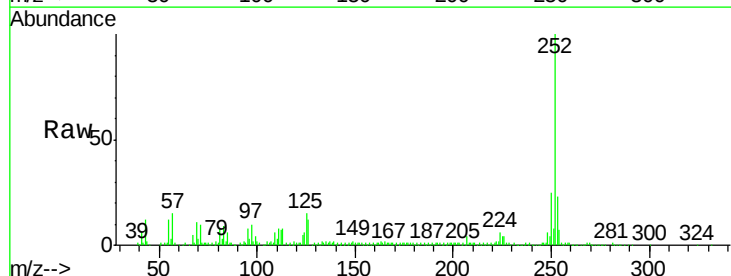
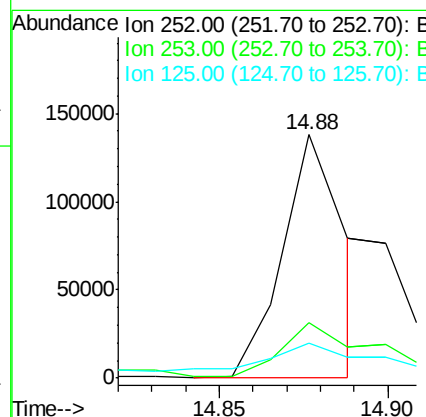
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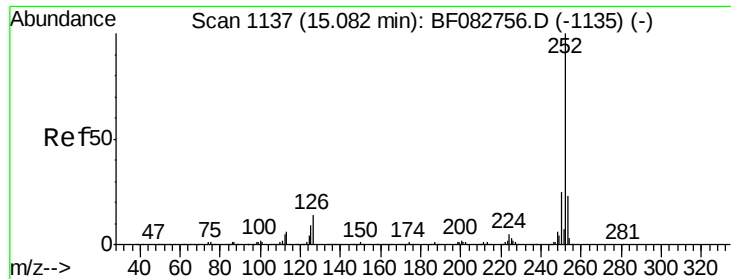
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#87
Benzo(b)fluoranthene
Concen: 6.54 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

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





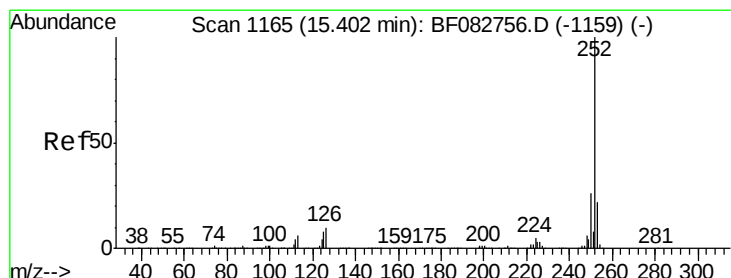
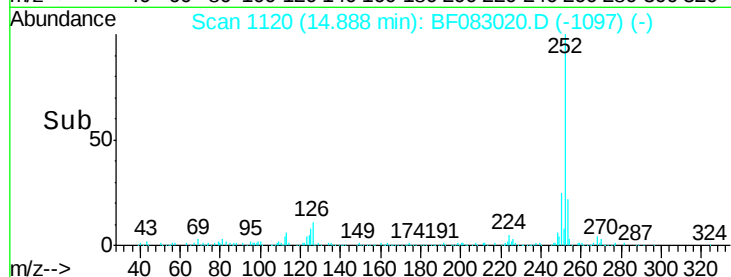
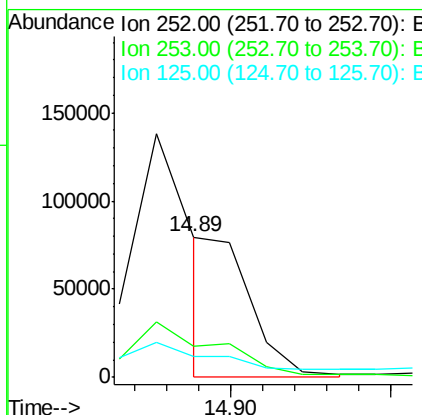
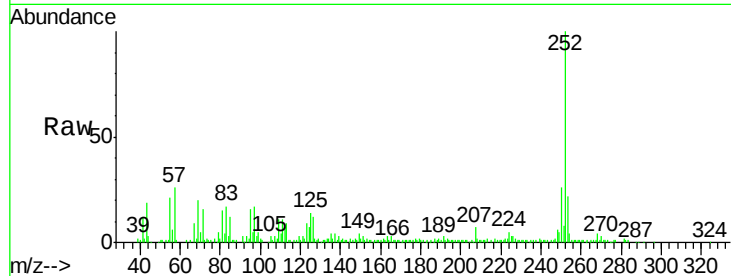
#88
Benzo(k)fluoranthene
Concen: 2.86 ng m
RT: 14.89 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

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

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	14.5	3.5	5.3#

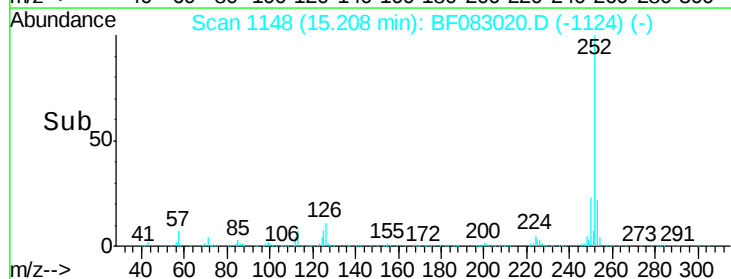
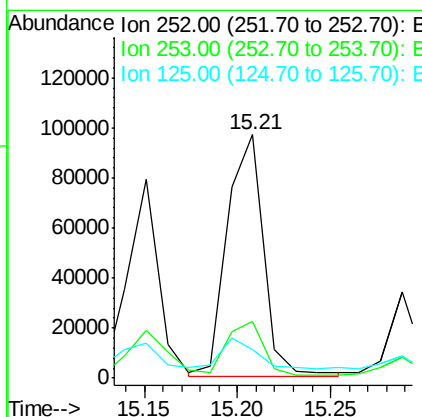
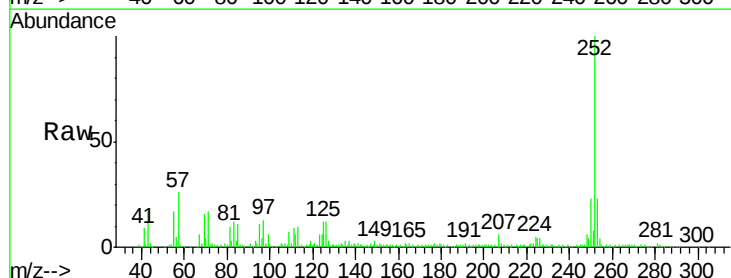
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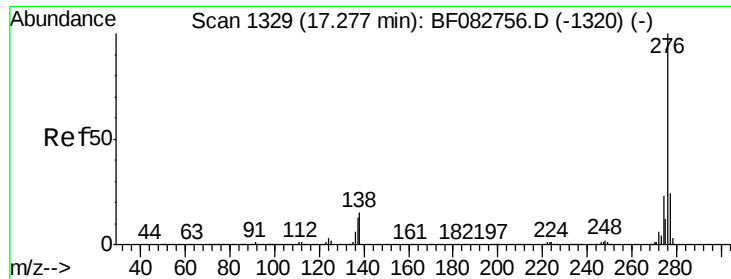
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#89
Benzo(a)pyrene
Concen: 5.60 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF083020.D
Acq: 18 Nov 2015 20:58

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





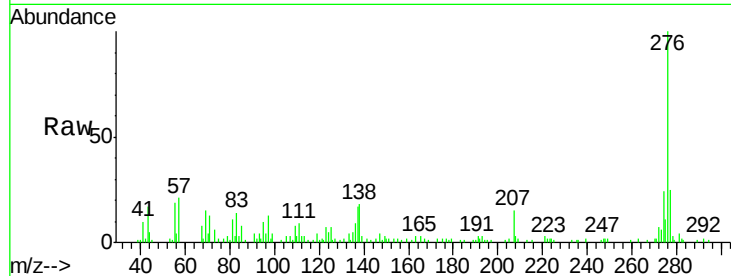
#91
 Benzo(g,h,i)perylene
 Concen: 3.01 ng
 RT: 16.96 min Scan# 1301
 Delta R.T. -0.05 min
 Lab File: BF083020.D
 Acq: 18 Nov 2015 20:58

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

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

Manual Integrations
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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

