

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
 Data File : BF083018.D
 Acq On : 18 Nov 2015 20:00
 Operator : UM/IZ
 Sample : G4453-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

Manual Integrations
 APPROVED

Mmdadoda
 11/19/2015 6:44:44 PM

Quant Time: Nov 19 02:54:10 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	139253	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	526895	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	275397	20.00	ng	-0.01
63) Phenanthrene-d10	11.24	188	698515	20.00	ng	-0.01
75) Chrysene-d12	13.87	240	532357	20.00	ng	-0.02
86) Perylene-d12	15.27	264	417117	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	1157573	129.34	ng	0.00
7) Phenol-d6	6.38	99	1606480	135.02	ng	-0.01
23) Nitrobenzene-d5	7.30	82	1191144	98.37	ng	-0.01
41) 2,4,6-Tribromophenol	10.56	330	375596	118.95	ng	-0.01
44) 2-Fluorobiphenyl	9.09	172	1338065	69.64	ng	-0.01
78) Terphenyl-d14	12.83	244	1597545	71.18	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.49	163	396797	17.59	ng	98
70) Phenanthrene	11.26	178	170137	4.19	ng	96
74) Fluoranthene	12.45	202	214234	4.92	ng	95
77) Pyrene	12.67	202	199285	5.45	ng	95
80) Benzo(a)anthracene	13.86	228	93644	2.81	ng	97
82) Chrysene	13.89	228	67529	2.21	ng	98
87) Benzo(b)fluoranthene	14.88	252	67175m	2.51	ng	
89) Benzo(a)pyrene	15.21	252	47290	2.04	ng	# 81
91) Benzo(g,h,i)perylene	16.96	276	37772	2.01	ng	# 95

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

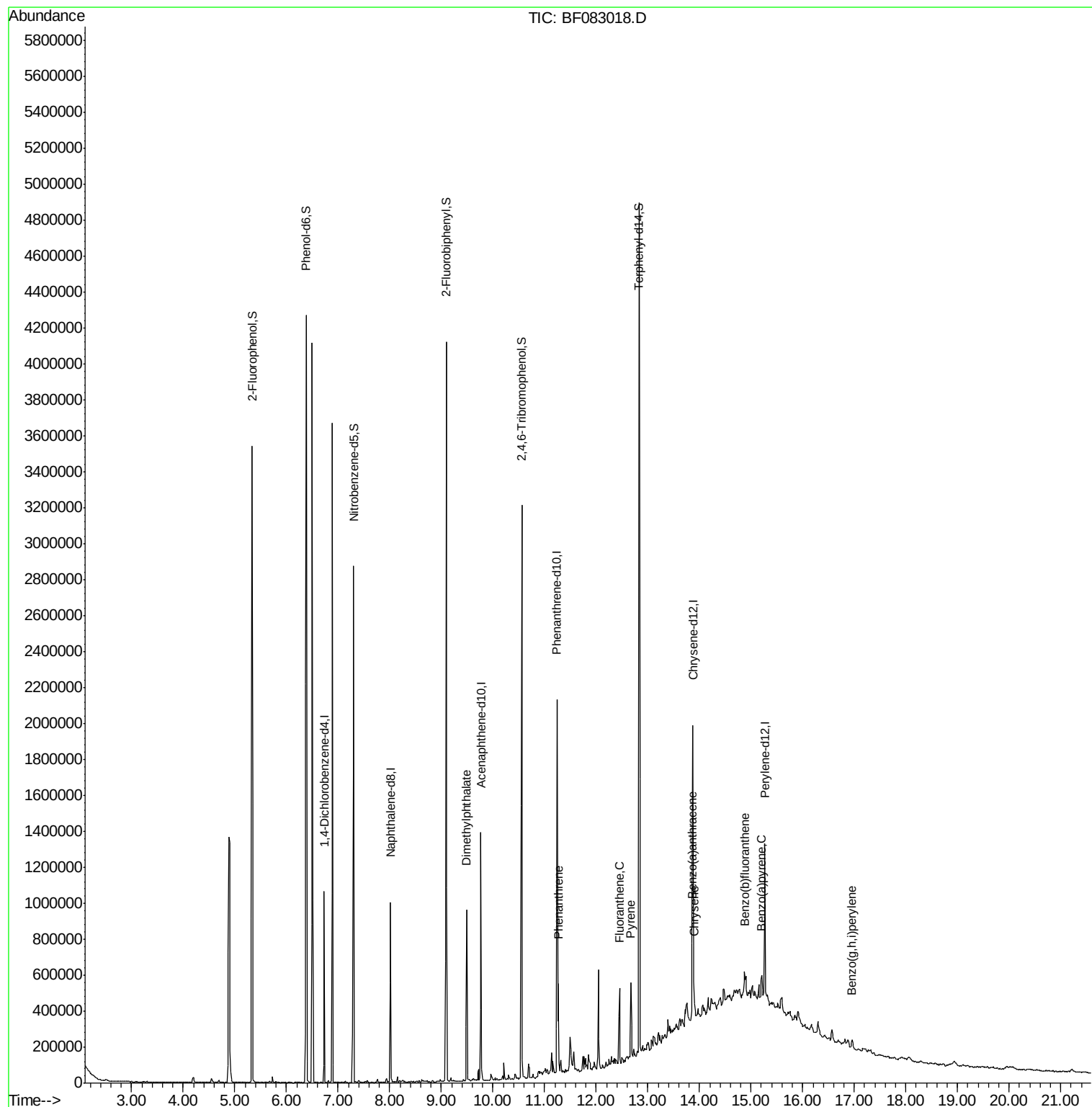
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111815\
Data File : BF083018.D
Acq On : 18 Nov 2015 20:00
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

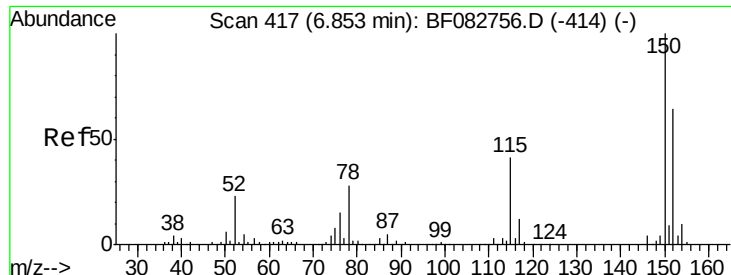
Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116

Manual Integrations
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11/19/2015 6:44:44 PM

Quant Time: Nov 19 02:54:10 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
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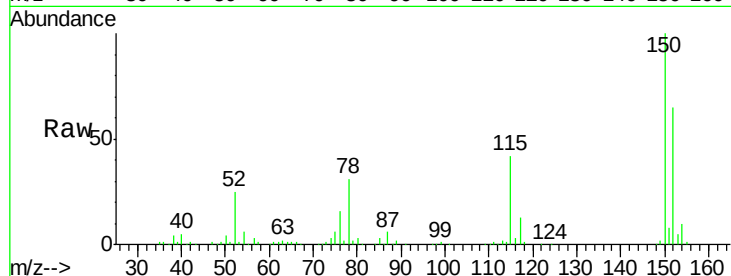




#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.73 min Scan# 406
Delta R.T. -0.01 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

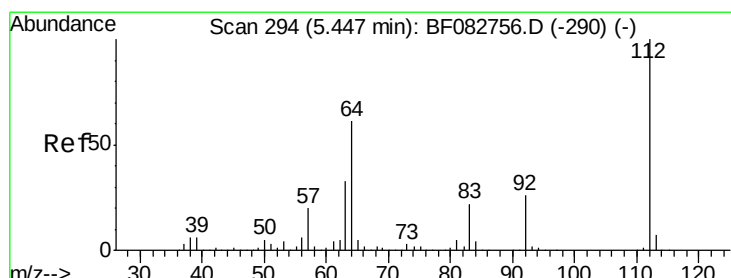
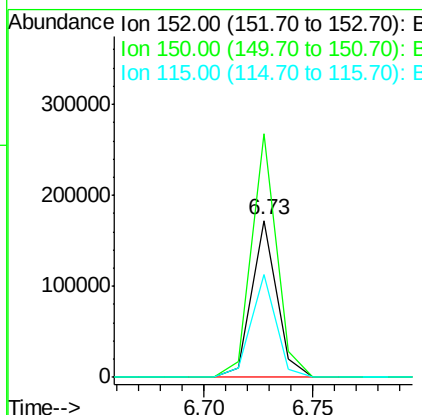
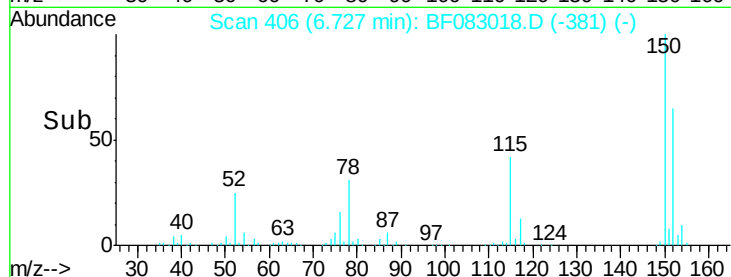
Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116



Tgt Ion	Ratio	Resp	Lower	Upper
152	100	139253		
150	155.0	127.0	190.4	
115	65.8	47.0	70.6	

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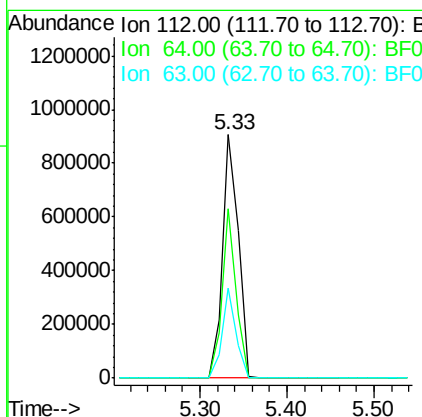
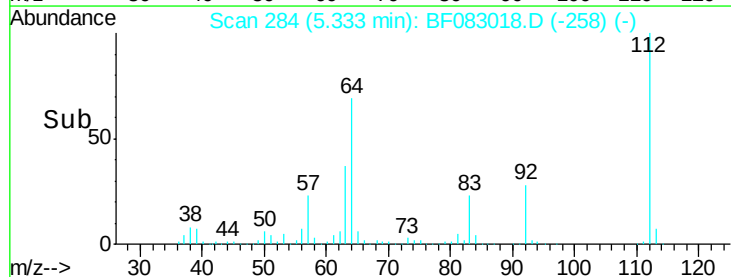
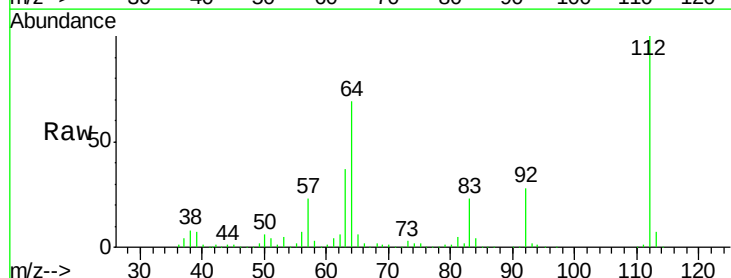
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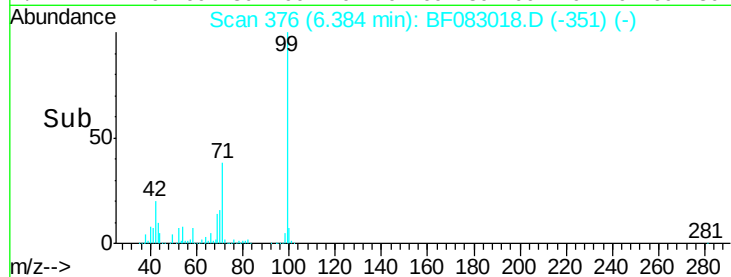
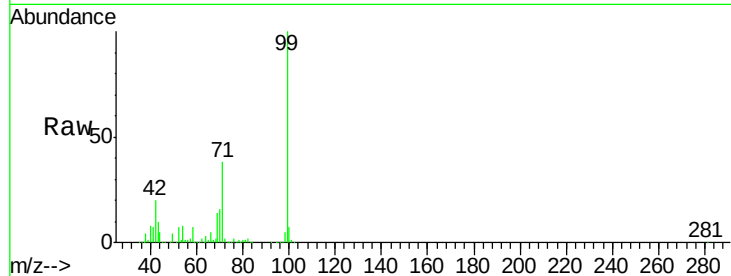
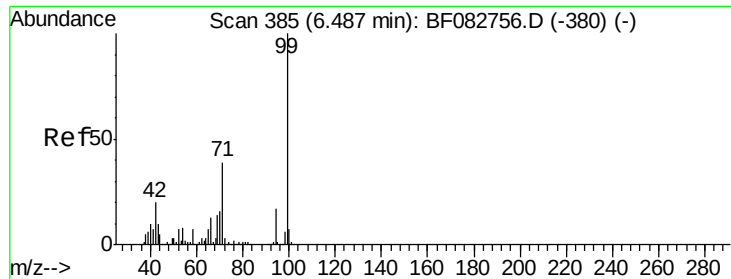


#5

2-Fluorophenol
Concen: 129.34 ng
RT: 5.33 min Scan# 284
Delta R.T. -0.00 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1157573		
64	69.4	48.9	73.3	
63	37.2	28.1	42.1	





#7

Phenol-d6

Concen: 135.02 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Lower	Upper
99	100		
42	19.9	19.2	28.8
71	38.1	35.0	52.4

Instrument :

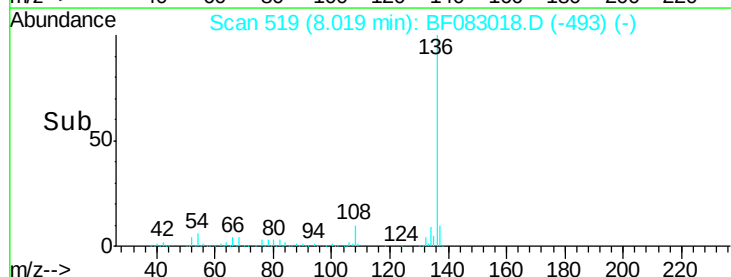
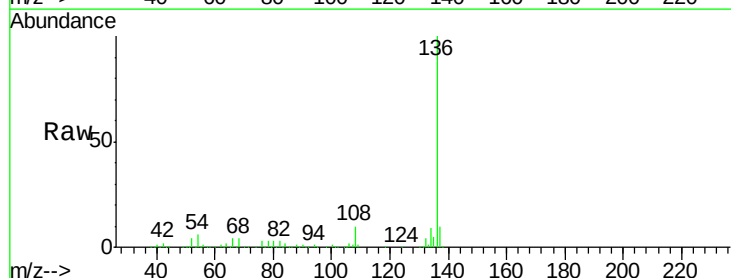
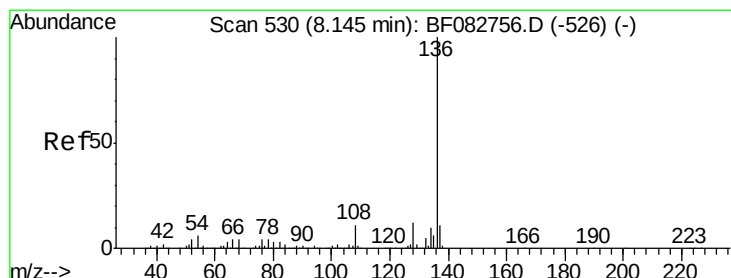
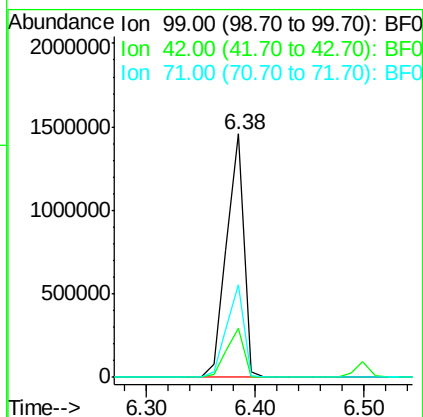
BNA_F

ClientSampleId :

CWC-8-20151116

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#21

Naphthalene-d8

Concen: 20.00 ng

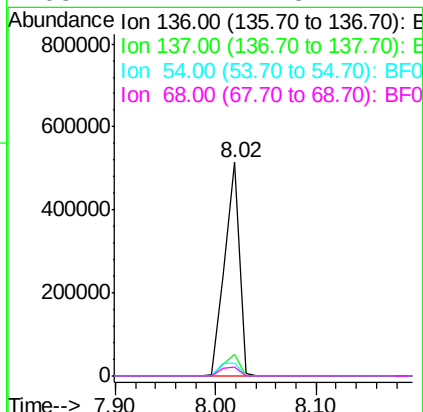
RT: 8.02 min Scan# 519

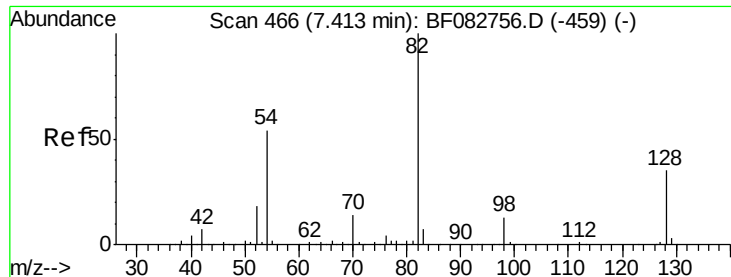
Delta R.T. -0.00 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	6.2	9.1	13.7#
68	4.4	4.8	7.2#





#23

Nitrobenzene-d5

Concen: 98.37 ng

RT: 7.30 min Scan# 456

Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

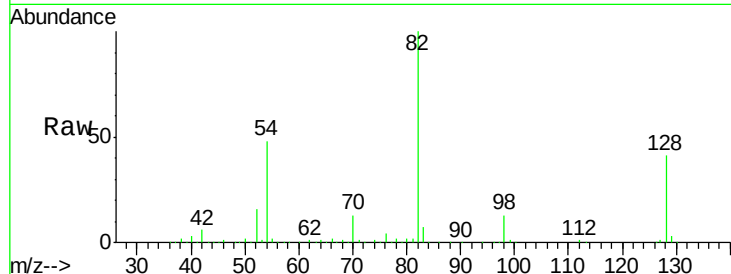
ClientSampleId :

CWC-8-20151116

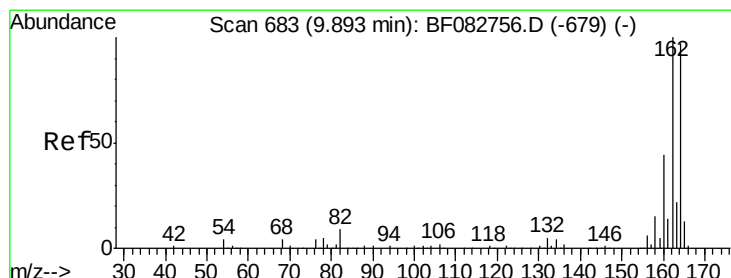
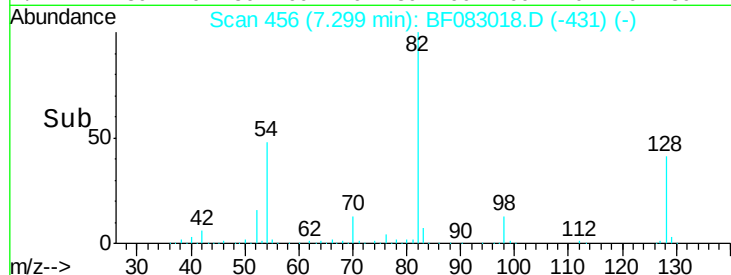
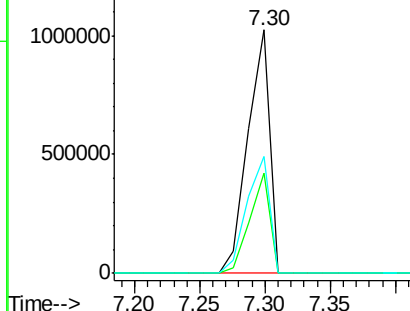
Tgt Ion:	82	Resp:	1191144
Ion	Ratio	Lower	Upper
82	100		
128	41.1	26.8	40.2#
54	48.2	45.7	68.5

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



#38

Acenaphthene-d10

Concen: 20.00 ng

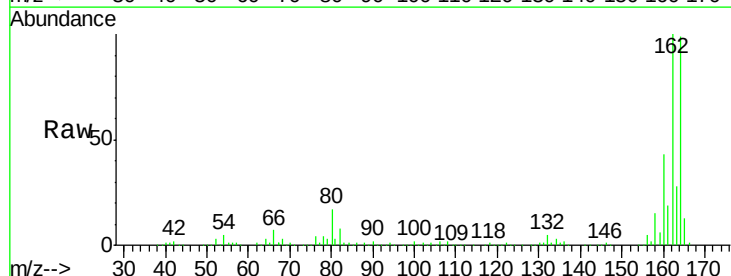
RT: 9.77 min Scan# 672

Delta R.T. -0.01 min

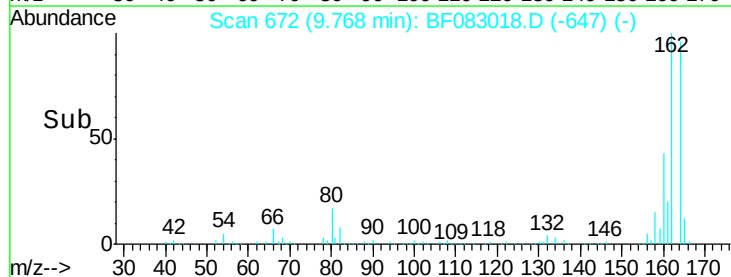
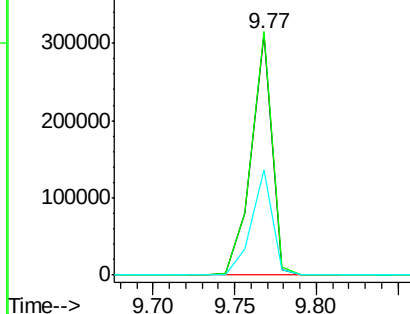
Lab File: BF083018.D

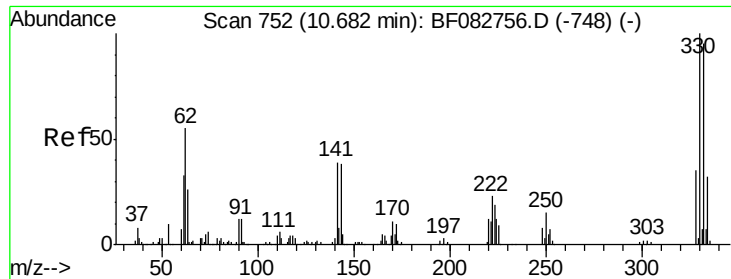
Acq: 18 Nov 2015 20:00

Tgt Ion:	164	Resp:	275397
Ion	Ratio	Lower	Upper
164	100		
162	101.0	84.9	127.3
160	43.5	37.5	56.3



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





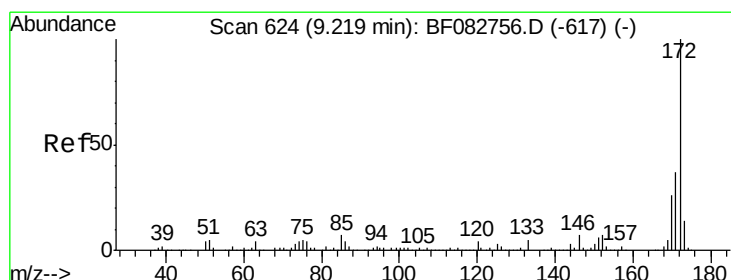
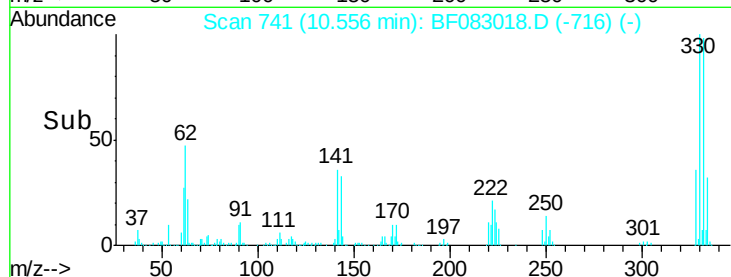
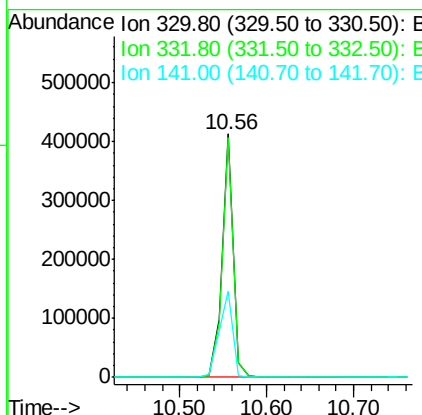
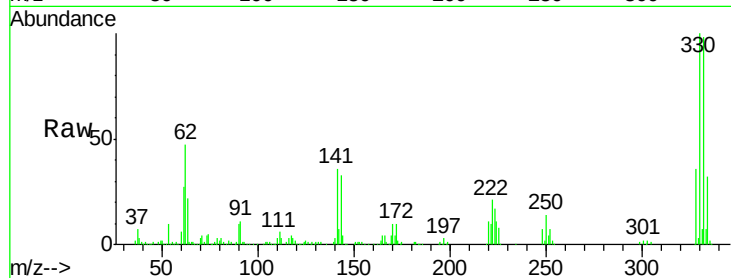
#41
 2,4,6-Tribromophenol
 Concen: 118.95 ng
 RT: 10.56 min Scan# 741
 Delta R.T. -0.01 min
 Lab File: BF083018.D
 Acq: 18 Nov 2015 20:00

Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	375596		
332	97.3	76.6	114.8	
141	43.1	41.2	61.8	

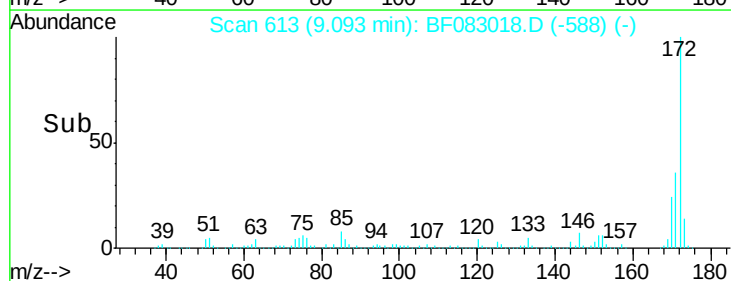
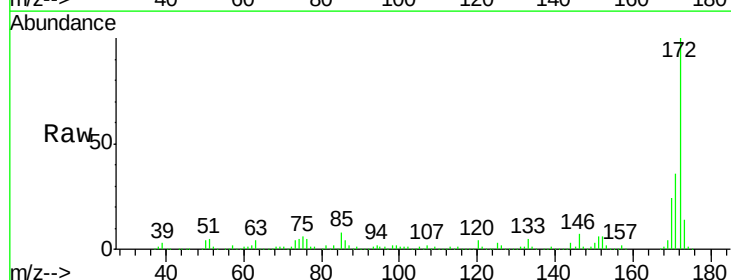
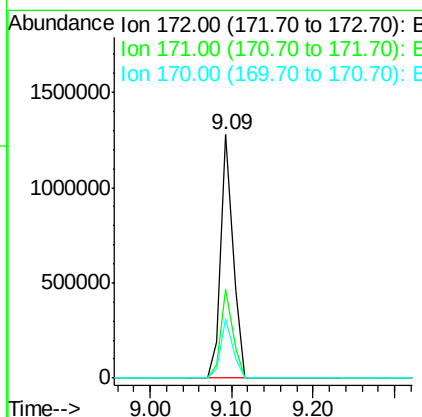
Manual Integrations
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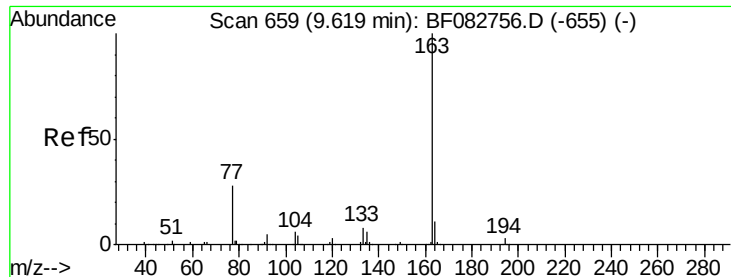
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#44
 2-Fluorobiphenyl
 Concen: 69.64 ng
 RT: 9.09 min Scan# 613
 Delta R.T. -0.01 min
 Lab File: BF083018.D
 Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1338065		
171	36.4	30.8	46.2	
170	24.4	21.2	31.8	





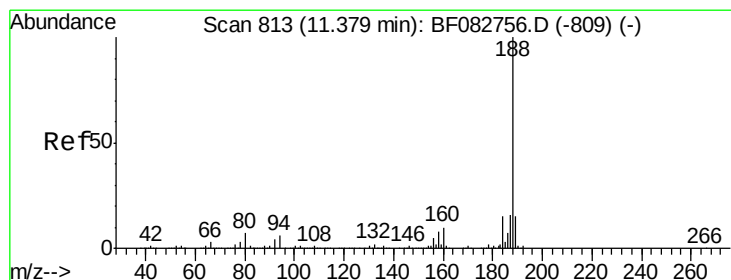
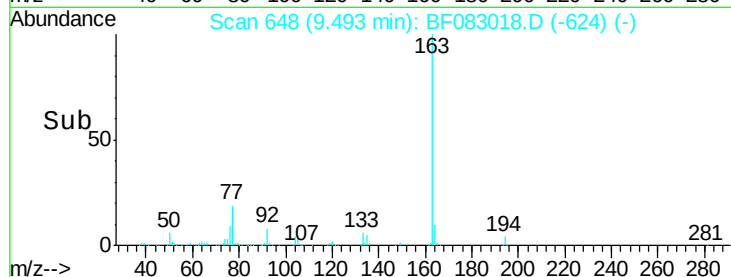
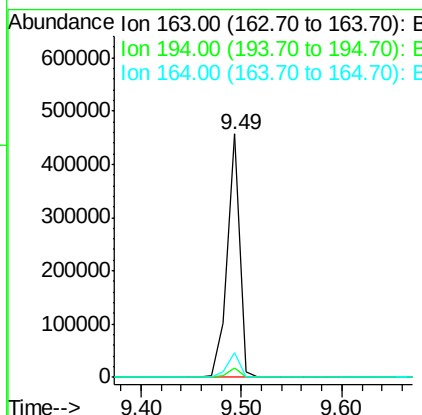
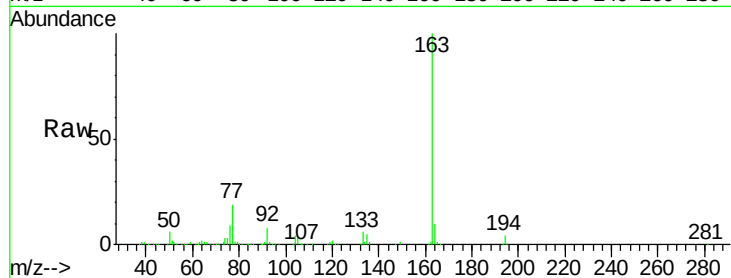
#49
Dimethylphthalate
Concen: 17.59 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	396797		
194	3.6	2.6	4.0	
164	10.1	8.7	13.1	

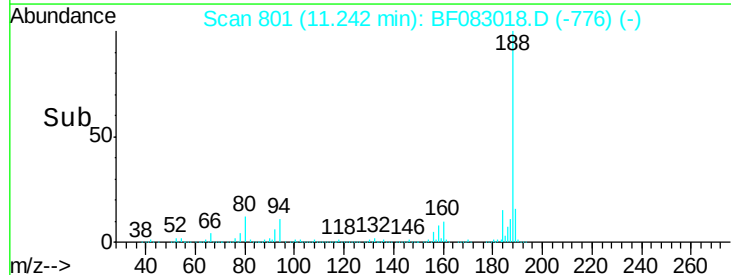
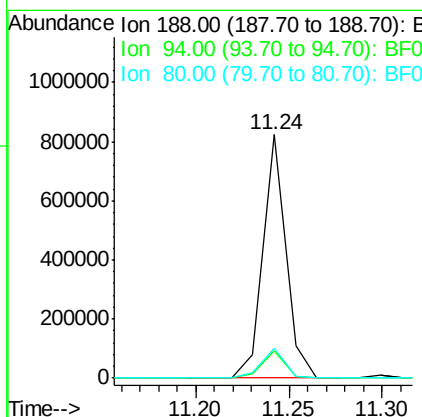
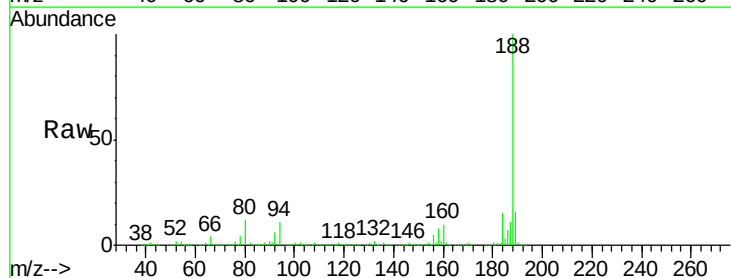
Manual Integrations
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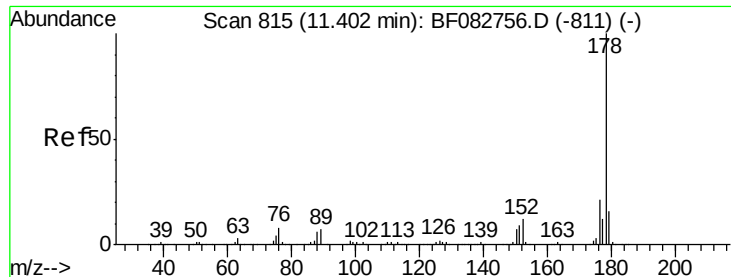
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11/19/2015 6:44:44 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.24 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	698515		
94	11.2	6.1	9.1#	
80	12.2	7.0	10.6#	





#70

Phenanthrene

Concen: 4.19 ng

RT: 11.26 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

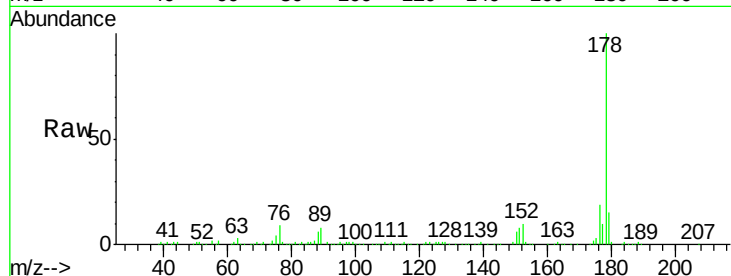
ClientSampleId :

CWC-8-20151116

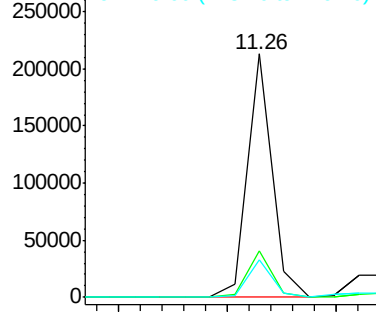
Tgt Ion:	178	Resp:	170137
Ion Ratio	Lower	Upper	
178	100		
176	19.0	17.0	25.4
179	15.3	13.4	20.0

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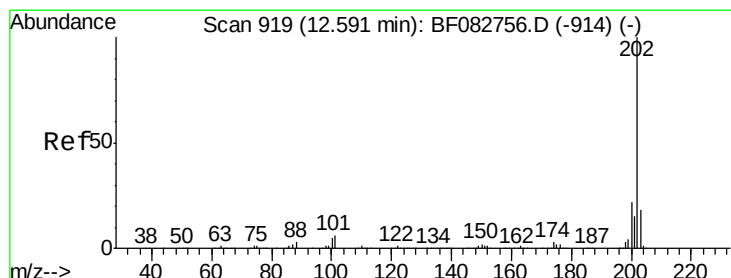
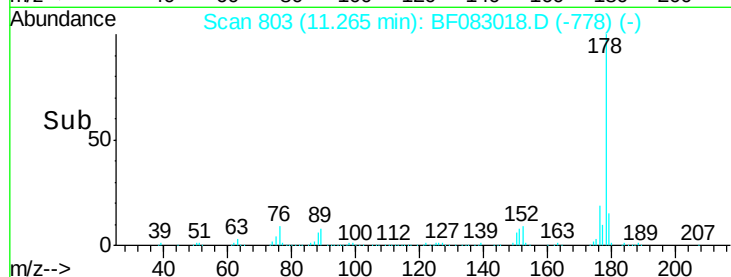
Mmdadoda
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#74

Fluoranthene

Concen: 4.92 ng

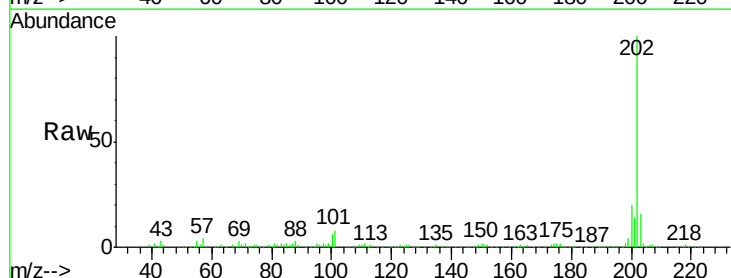
RT: 12.45 min Scan# 907

Delta R.T. -0.01 min

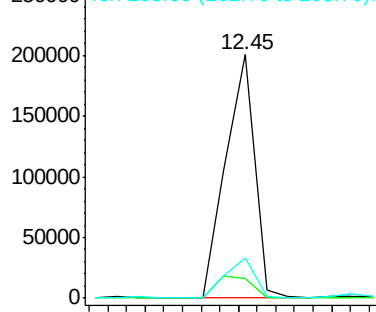
Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

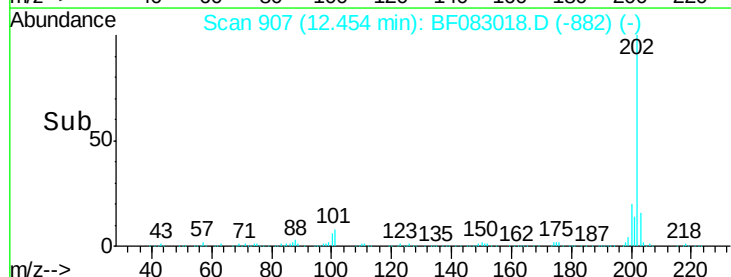
Tgt Ion:	202	Resp:	214234
Ion Ratio	Lower	Upper	
202	100		
101	8.1	0.0	30.5
203	16.3	0.0	38.5

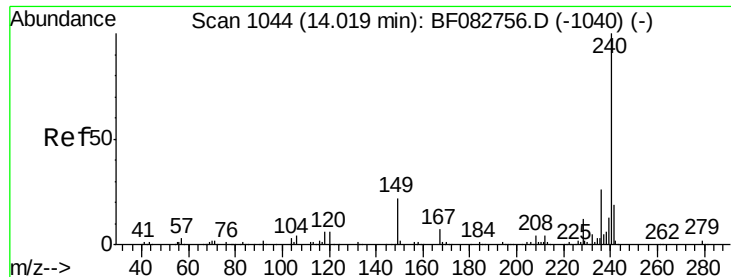


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.87 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

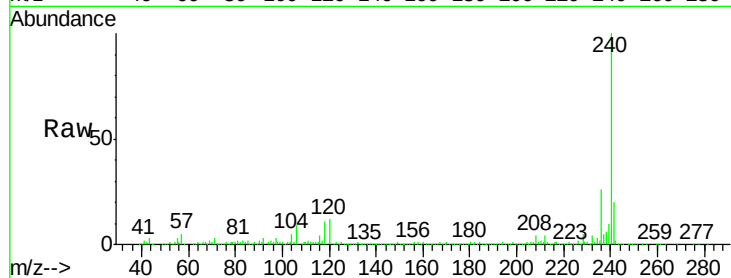
ClientSampleId :

CWC-8-20151116

Tgt	Ion	240	Resp	532357
Ion	Ratio	Lower	Upper	
240	100			
120	11.9	10.9	16.3	
236	25.8	21.6	32.4	

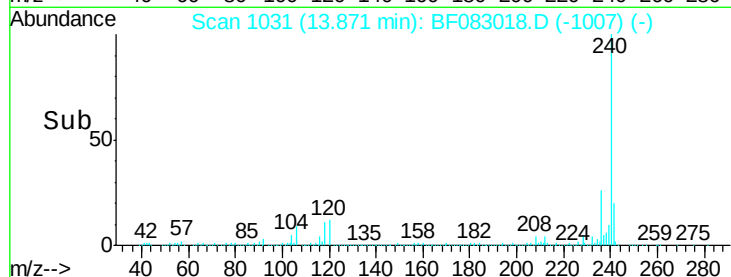
Manual Integrations
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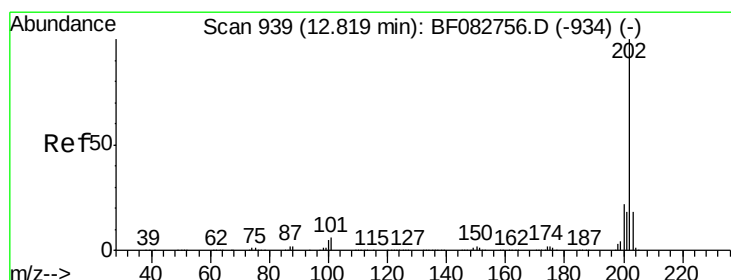


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

13.87



Time-->



#77

Pyrene

Concen: 5.45 ng

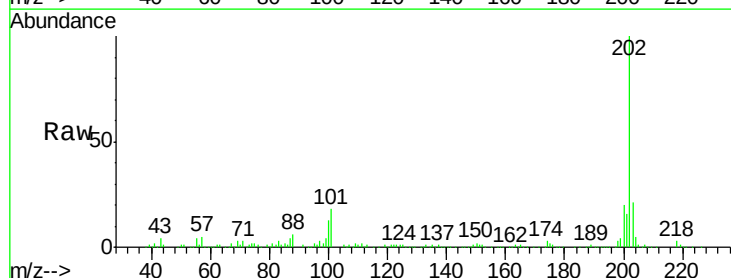
RT: 12.67 min Scan# 926

Delta R.T. -0.02 min

Lab File: BF083018.D

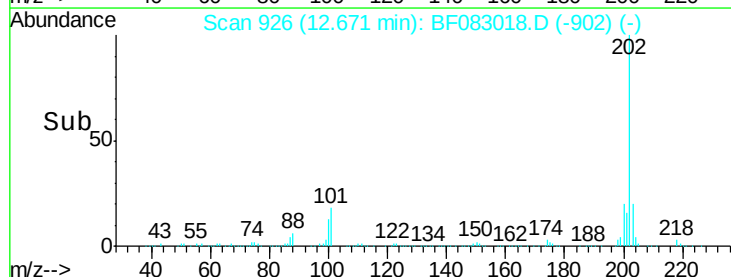
Acq: 18 Nov 2015 20:00

Tgt	Ion	202	Resp	199285
Ion	Ratio	Lower	Upper	
202	100			
200	20.4	18.7	28.1	
203	20.5	14.8	22.2	

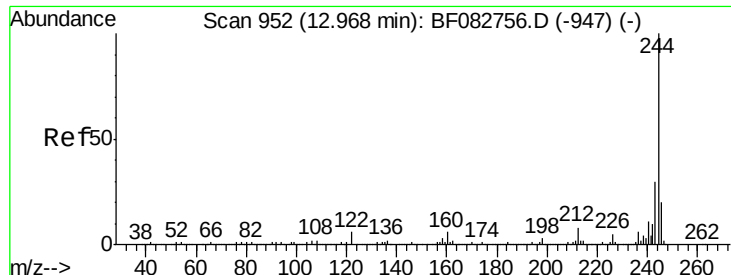


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

12.67



Time-->



#78

Terphenyl-d14

Concen: 71.18 ng

RT: 12.83 min Scan# 940

Delta R.T. -0.01 min

Lab File: BF083018.D

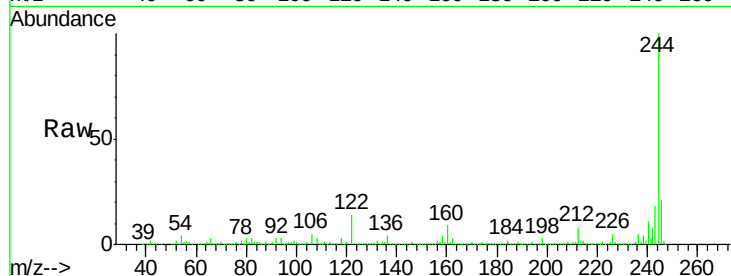
Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116



Tgt Ion:244 Resp: 1597545

Ion Ratio Lower Upper

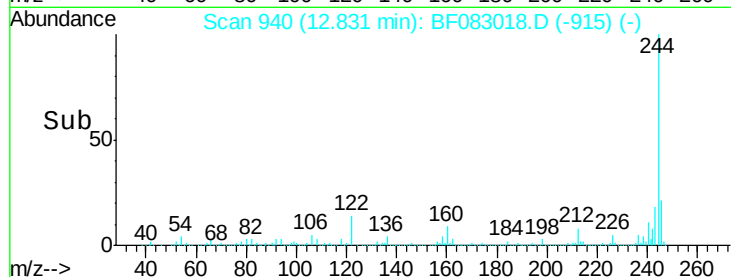
244 100

212 8.1 7.6 11.4

122 14.4 11.3 16.9

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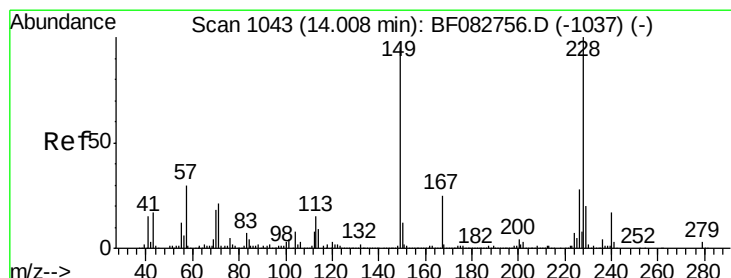
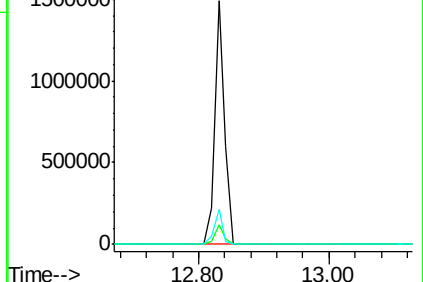
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.81 ng

RT: 13.86 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

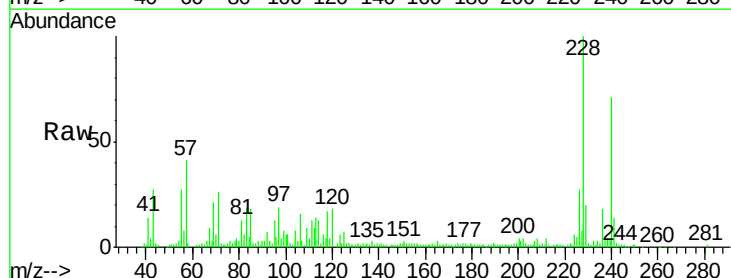
Tgt Ion:228 Resp: 93644

Ion Ratio Lower Upper

228 100

226 27.0 23.4 35.2

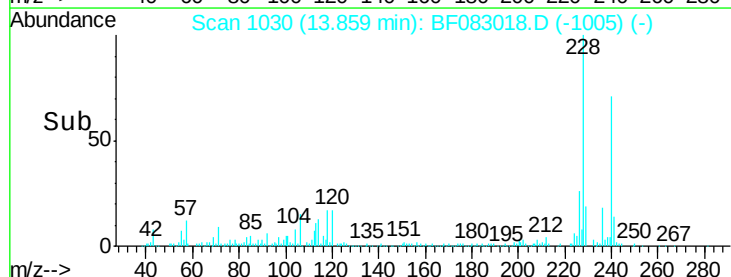
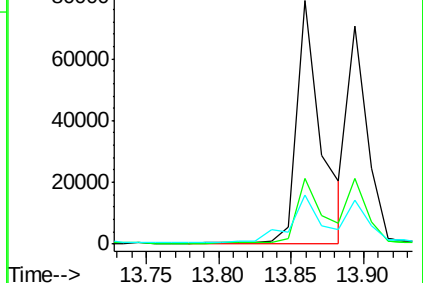
229 20.2 16.3 24.5

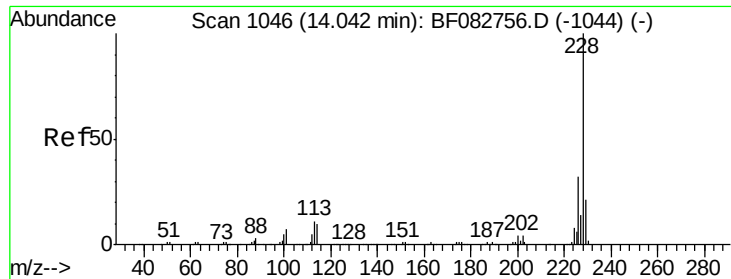


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.21 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.02 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

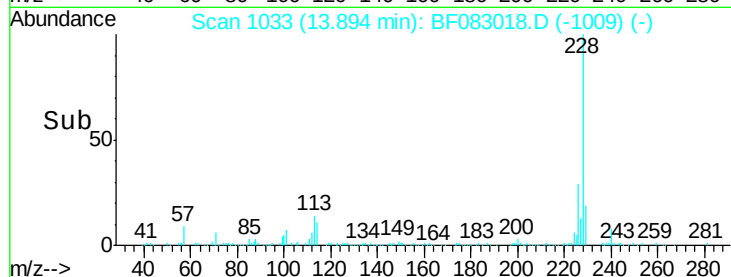
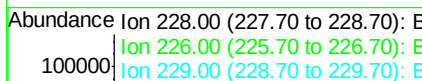
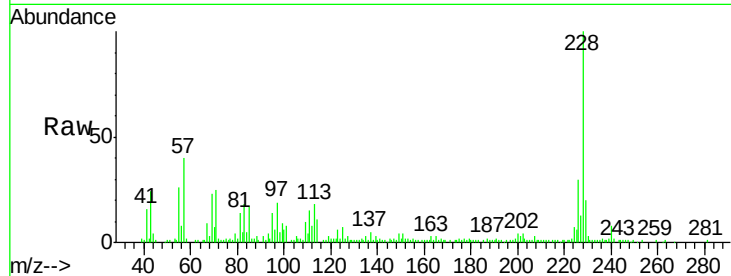
ClientSampleId :

CWC-8-20151116

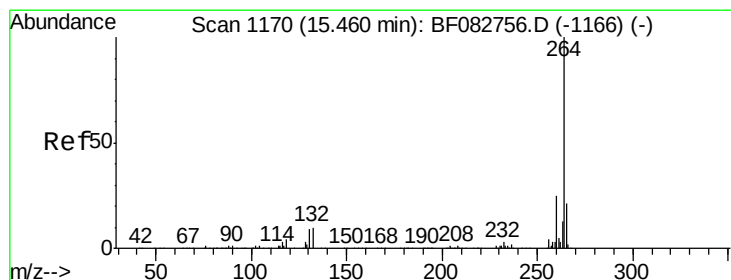
Tgt Ion:	228	Resp:	67529
Ion Ratio	Lower	Upper	
228	100		
226	29.9	25.5	38.3
229	20.2	16.3	24.5

Manual Integrations
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Time-->



#86

Perylene-d12

Concen: 20.00 ng

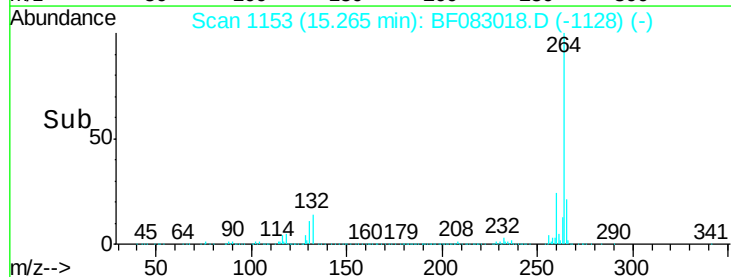
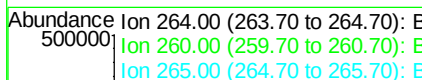
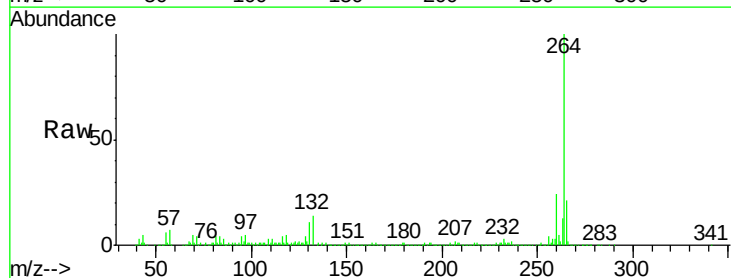
RT: 15.27 min Scan# 1153

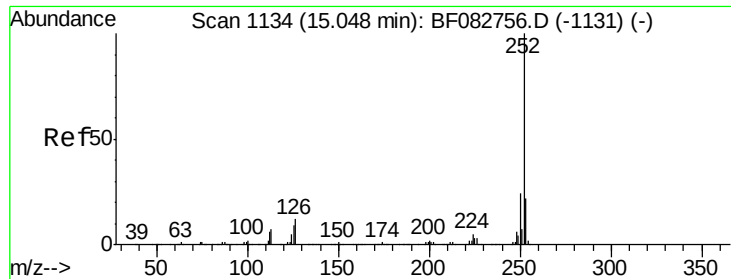
Delta R.T. -0.01 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Tgt Ion:	264	Resp:	417117
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.8	29.6
265	21.4	17.4	26.0





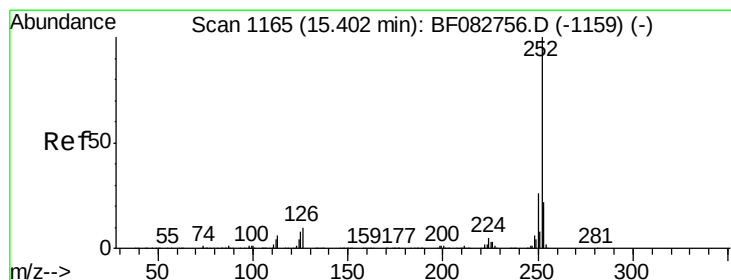
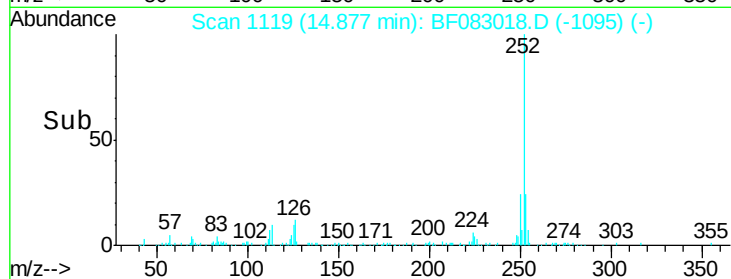
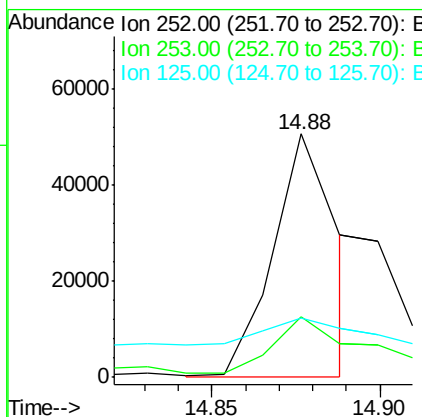
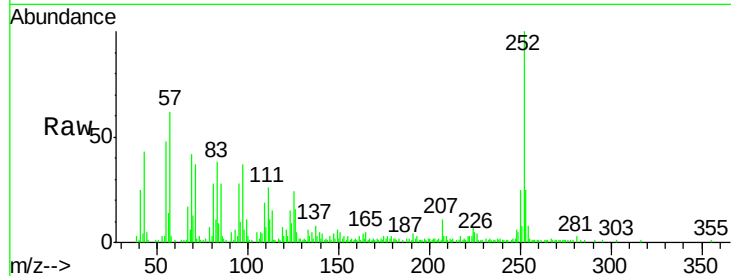
#87
Benzo(b)fluoranthene
Concen: 2.51 ng m
RT: 14.88 min Scan# 1119
Delta R.T. -0.02 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.8
125	24.4	5.4	8.2#

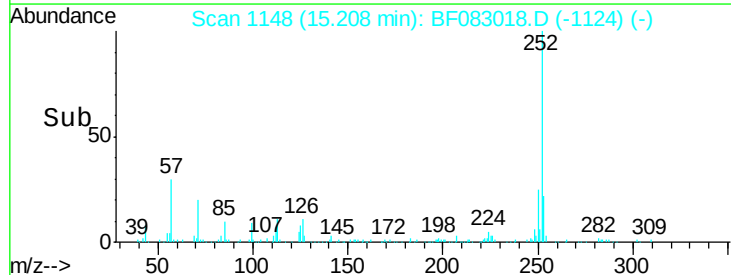
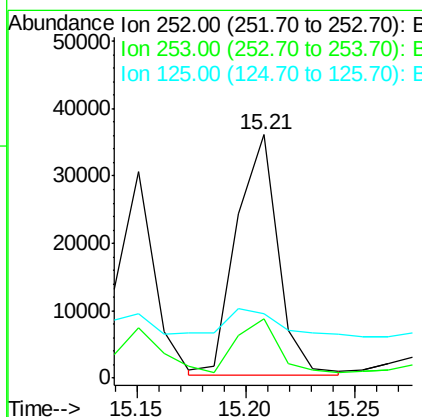
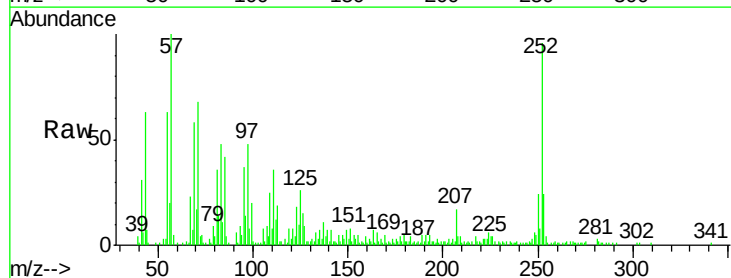
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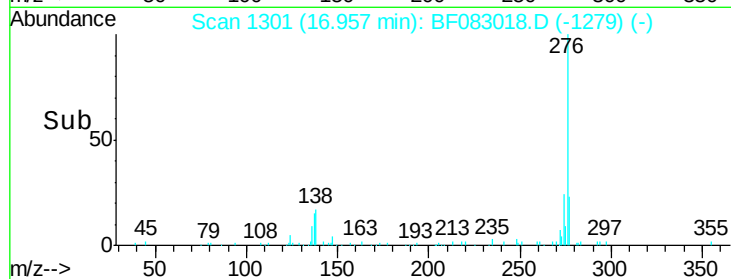
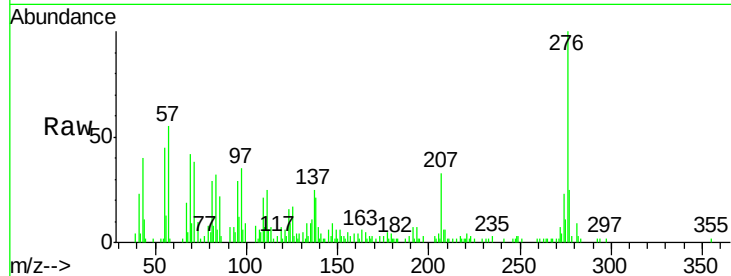
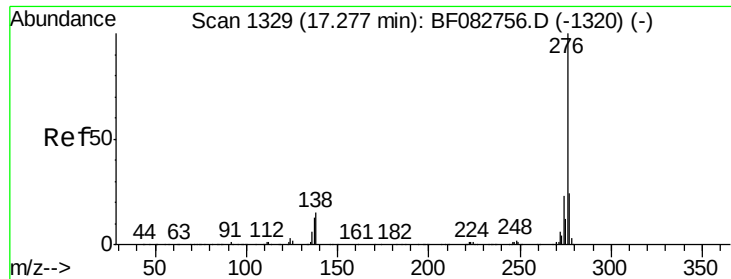
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#89
Benzo(a)pyrene
Concen: 2.04 ng
RT: 15.21 min Scan# 1148
Delta R.T. -0.02 min
Lab File: BF083018.D
Acq: 18 Nov 2015 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.3	25.9
125	26.7	7.1	10.7#





#91

Benzo(g,h,i)perylene

Concen: 2.01 ng

RT: 16.96 min Scan# 1301

Delta R.T. -0.05 min

Lab File: BF083018.D

Acq: 18 Nov 2015 20:00

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

Tgt	Ion	276	Resp:	37772
Ion	Ratio	100	Lower	Upper
276	100			
277	24.8	19.2	28.8	
138	21.2	13.1	19.7	

Manual Integrations
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