

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
 Data File : BF083226.D
 Acq On : 24 Nov 2015 2:01
 Operator : UM/IZ
 Sample : G4453-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

Manual Integrations
 APPROVED

Mmdadoda
 11/24/2015 1:20:14 PM

Quant Time: Nov 24 06:56:19 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Nov 22 09:22:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	214698	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	812153	20.00	ng	-0.02
38) Acenaphthene-d10	9.68	164	356822	20.00	ng	-0.02
63) Phenanthrene-d10	11.15	188	547558	20.00	ng	-0.02
75) Chrysene-d12	13.78	240	435492	20.00	ng	-0.02
86) Perylene-d12	15.14	264	318056	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	1858997	130.91	ng	-0.02
7) Phenol-d6	6.32	99	2549931	138.78	ng	-0.02
23) Nitrobenzene-d5	7.21	82	1361254	76.59	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	309337	84.74	ng	-0.02
44) 2-Fluorobiphenyl	9.02	172	2107353	82.35	ng	-0.01
78) Terphenyl-d14	12.74	244	1386020	74.95	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.40	163	489301	17.81	ng	100
70) Phenanthrene	11.18	178	115611	3.66	ng	96
74) Fluoranthene	12.35	202	144470	4.47	ng	98
77) Pyrene	12.58	202	138838	4.67	ng	96
80) Benzo(a)anthracene	13.77	228	63714	2.37	ng	93
82) Chrysene	13.81	228	55075m	2.20	ng	
87) Benzo(b)fluoranthene	14.78	252	61478m	2.83	ng	
89) Benzo(a)pyrene	15.09	252	39038	2.18	ng	# 81

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

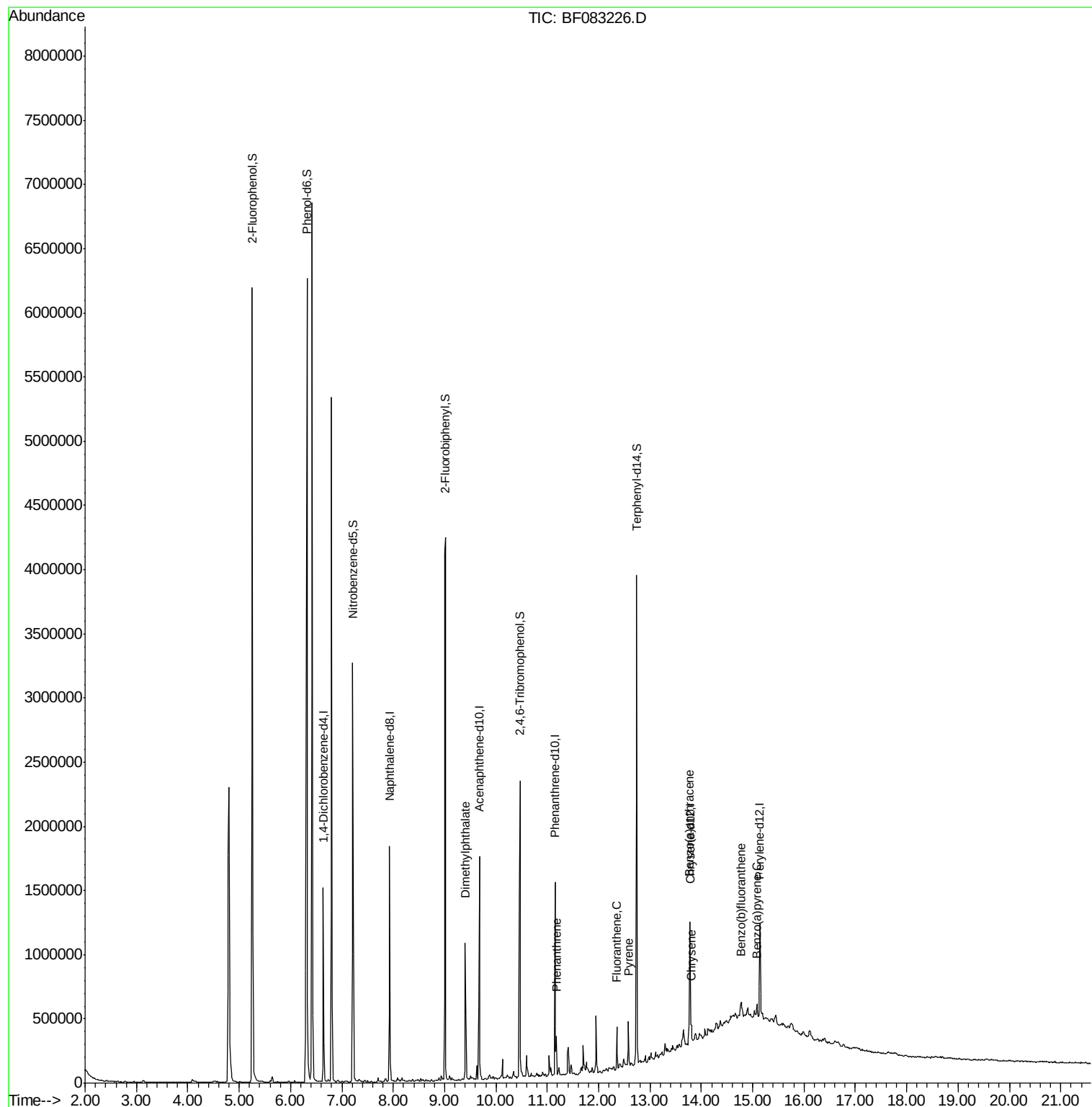
Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

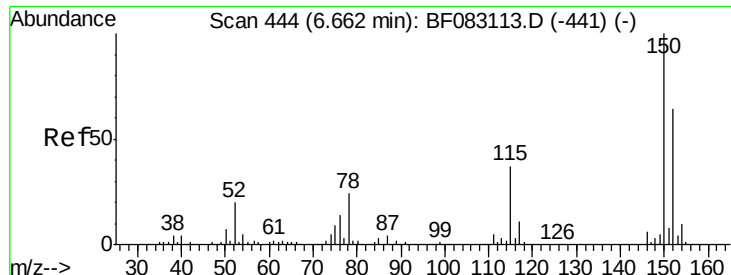
Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:14 PM

Quant Time: Nov 24 06:56:19 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sun Nov 22 09:22:46 2015
Response via : Initial Calibration





#1

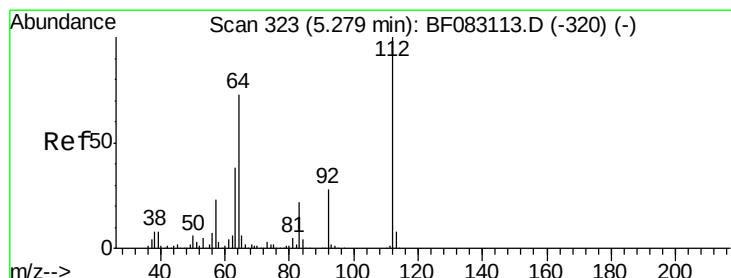
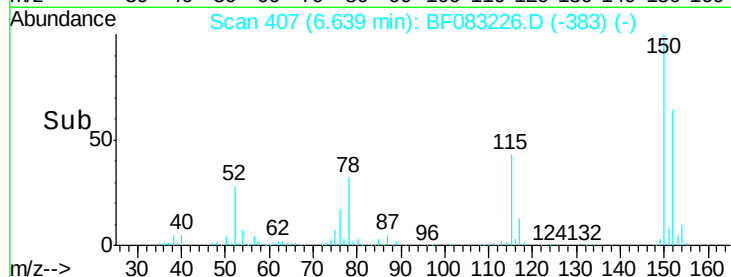
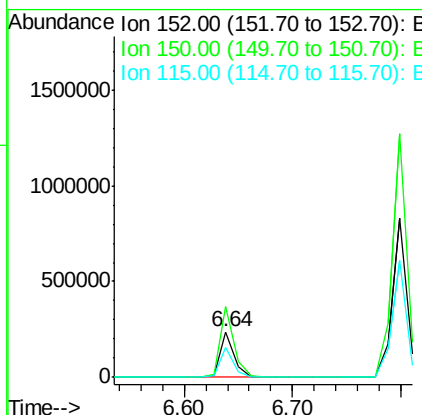
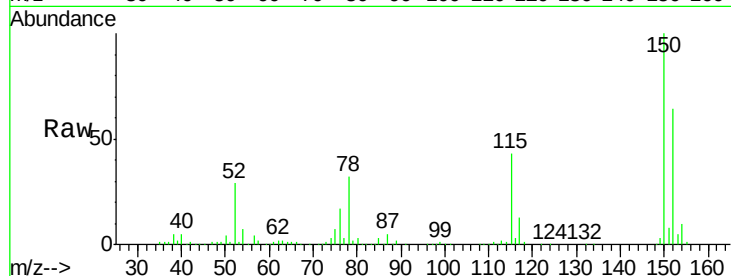
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.64 min Scan# 407
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.8	188.8
115	66.8	46.9	70.3

Manual Integrations
 APPROVED

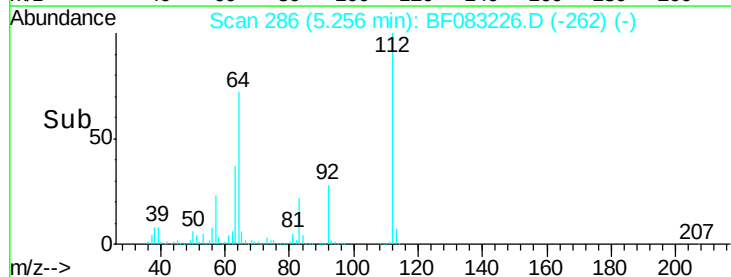
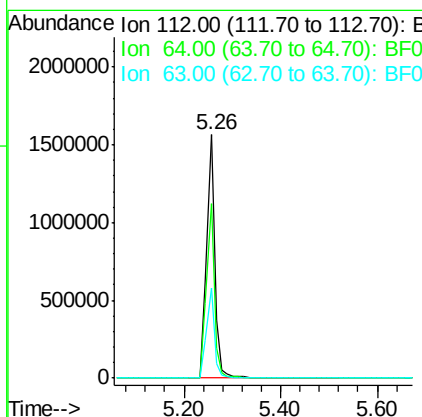
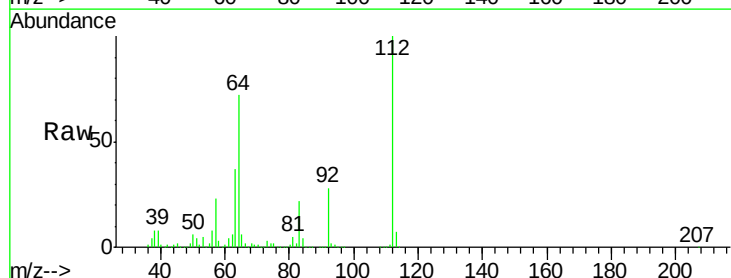
Mmdadoda
 11/24/2015 1:20:14 PM

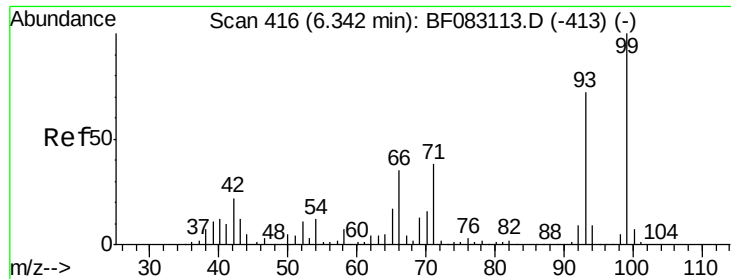


#5

2-Fluorophenol
 Concen: 130.91 ng
 RT: 5.26 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	71.8	58.4	87.6
63	36.9	30.0	45.0





#7

Phenol-d6

Concen: 138.78 ng

RT: 6.32 min Scan# 379

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

Tot Ion: 99 Resp: 2549931

Ion Ratio Lower Upper

99 100

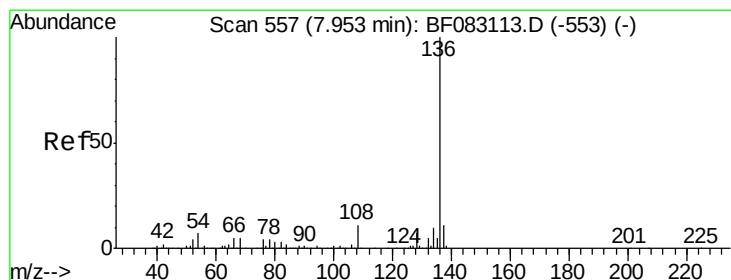
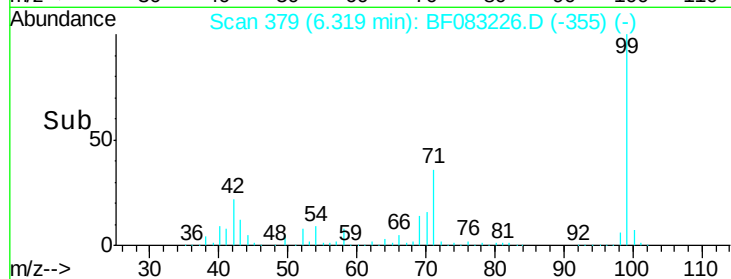
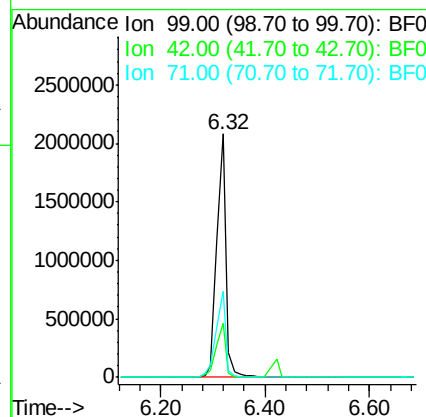
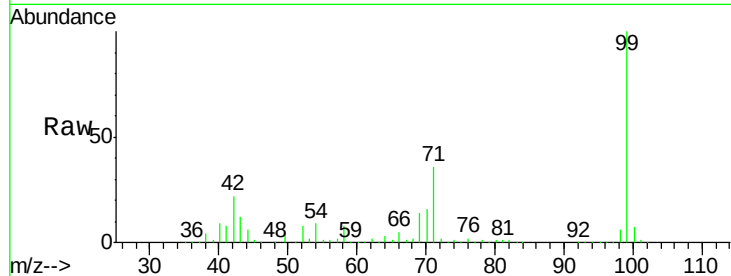
42 22.1 17.7 26.5

71 35.5 30.2 45.4

Manual Integrations
APPROVED

Mmdadoda

11/24/2015 1:20:14 PM



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 520

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Tgt Ion: 136 Resp: 812153

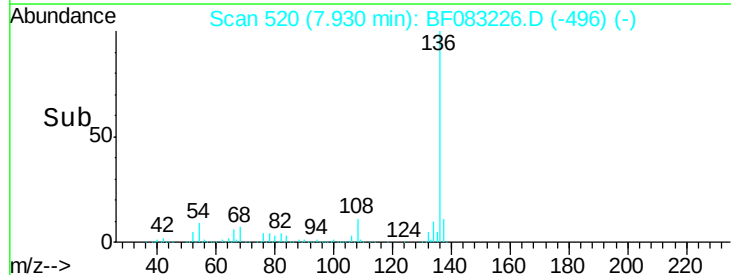
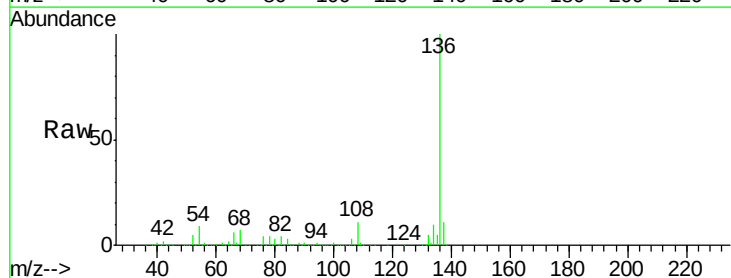
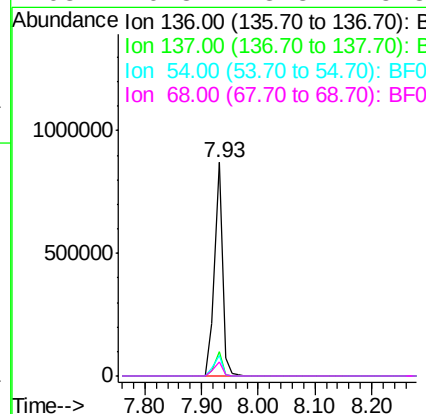
Ion Ratio Lower Upper

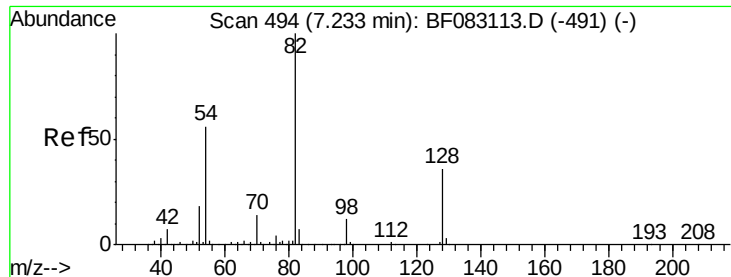
136 100

137 11.4 8.7 13.1

54 9.4 5.8 8.6#

68 6.8 3.8 5.8#





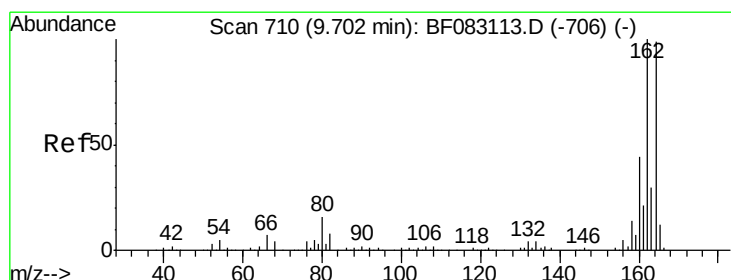
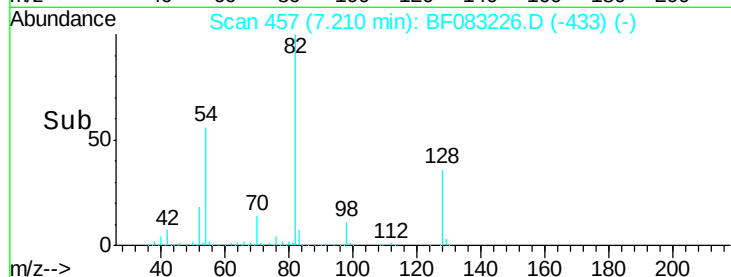
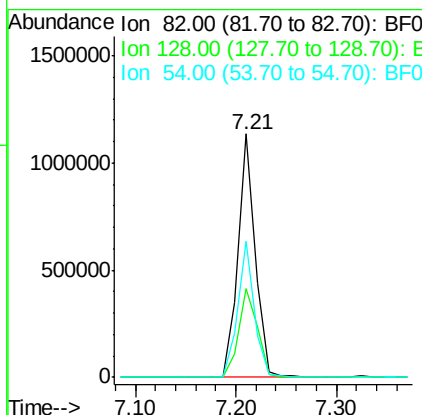
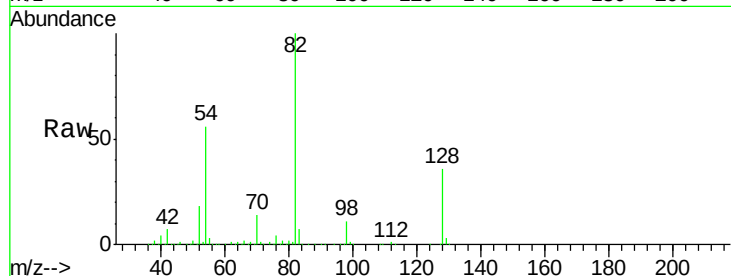
#23
Nitrobenzene-d5
Concen: 76.59 ng
RT: 7.21 min Scan# 457
Delta R.T. -0.02 min
Lab File: BF083226.D
Acq: 24 Nov 2015 2:01

Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.3	28.5	42.7
54	56.0	44.6	67.0

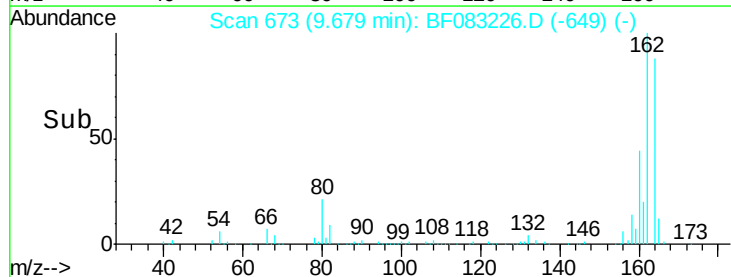
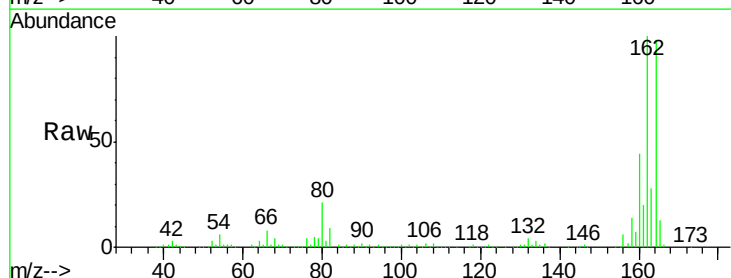
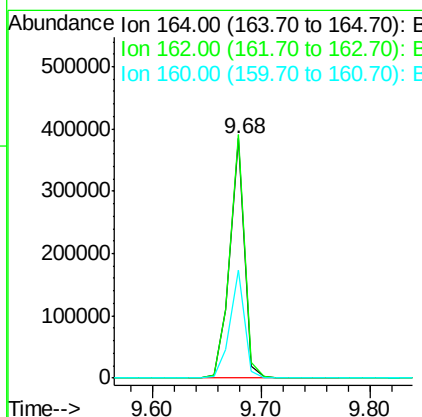
Manual Integrations
APPROVED

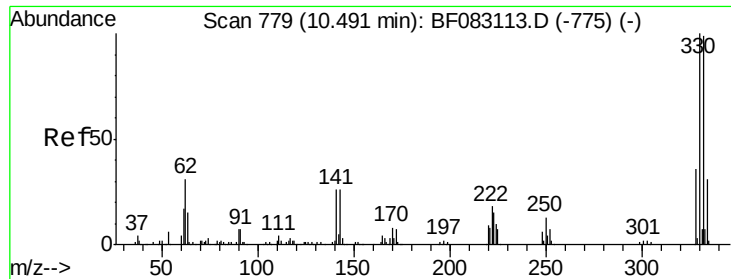
Mmdadoda
11/24/2015 1:20:14 PM



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 673
Delta R.T. -0.02 min
Lab File: BF083226.D
Acq: 24 Nov 2015 2:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	81.2	121.8
160	44.9	35.6	53.4





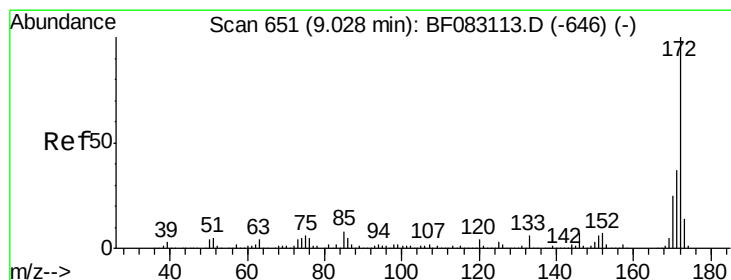
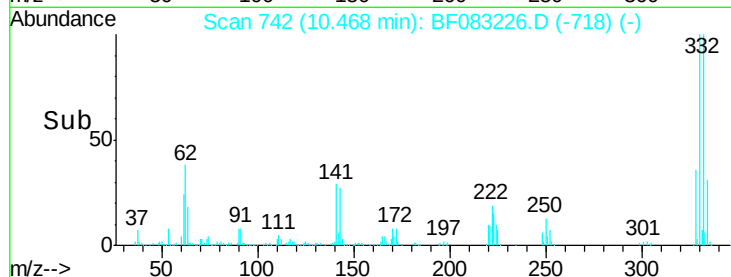
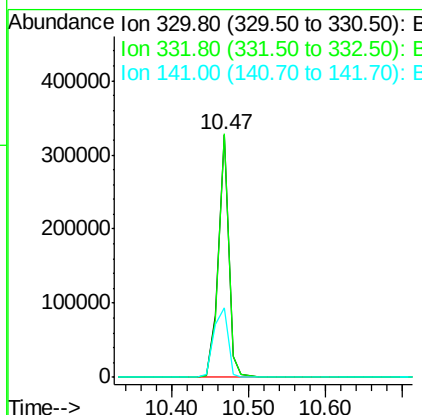
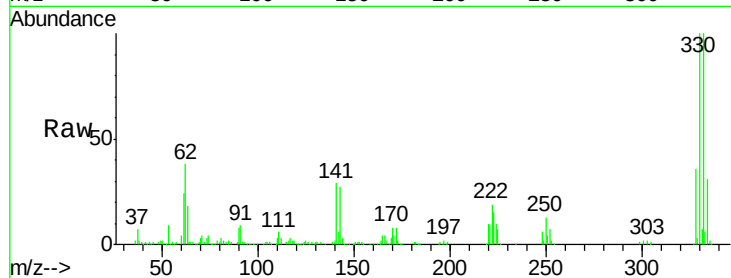
#41
 2,4,6-Tribromophenol
 Concen: 84.74 ng
 RT: 10.47 min Scan# 742
 Delta R.T. -0.02 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Instrument :
 BNA_F
 ClientSampleId :
 CWC-8-20151116

Tot Ion	Ratio	Resp	Lower	Upper
330	100	309337		
332	99.0		77.7	116.5
141	39.6		29.7	44.5

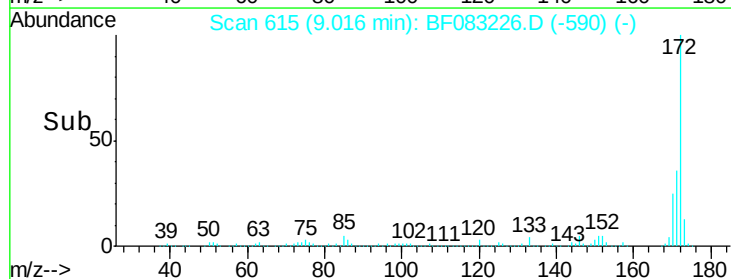
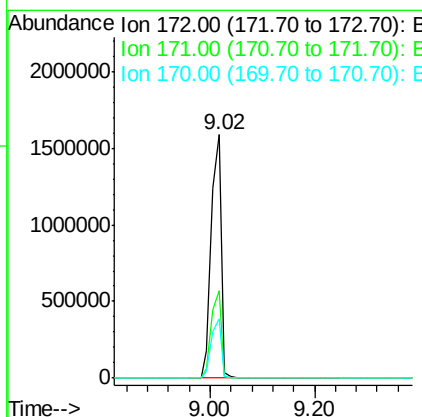
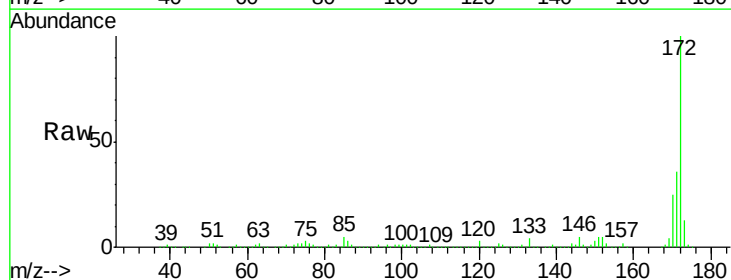
Manual Integrations
 APPROVED

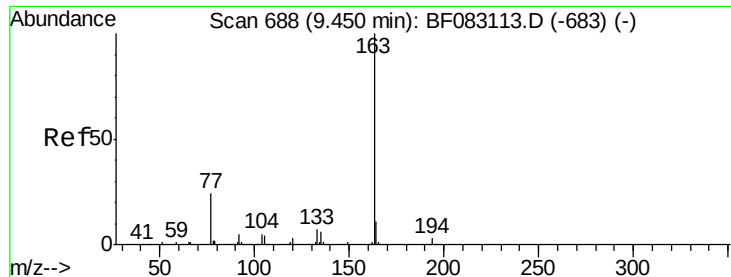
Mmdadoda
 11/24/2015 1:20:14 PM



#44
 2-Fluorobiphenyl
 Concen: 82.35 ng
 RT: 9.02 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: BF083226.D
 Acq: 24 Nov 2015 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2107353		
171	35.9		29.5	44.3
170	24.5		19.9	29.9





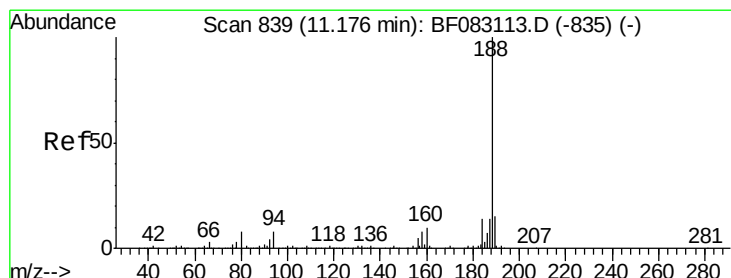
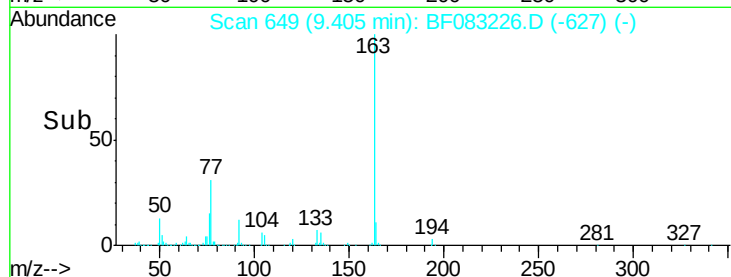
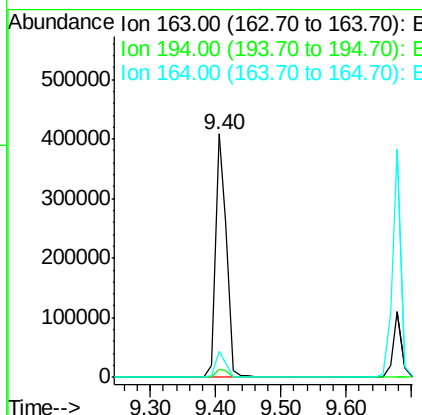
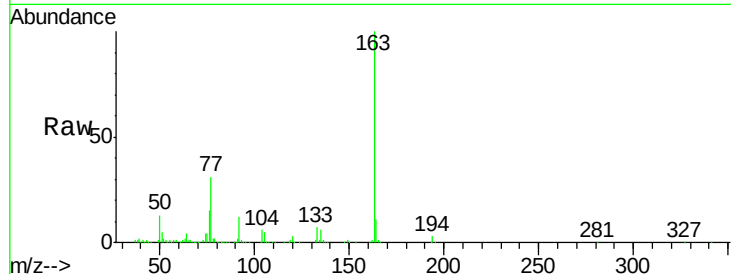
#49
Dimethylphthalate
Concen: 17.81 ng
RT: 9.40 min Scan# 649
Delta R.T. -0.05 min
Lab File: BF083226.D
Acq: 24 Nov 2015 2:01

Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116

Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		489301		
194	3.2		2.6	4.0	
164	10.8		8.6	12.8	

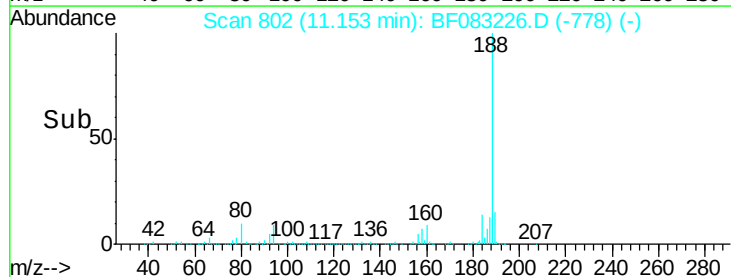
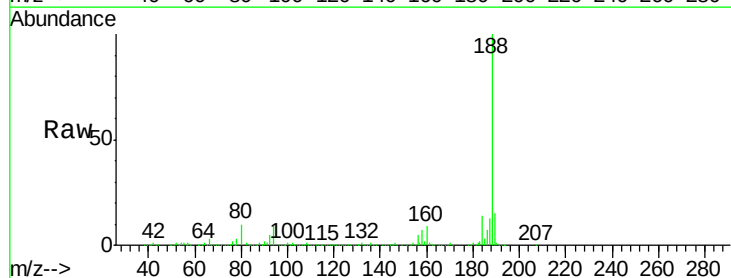
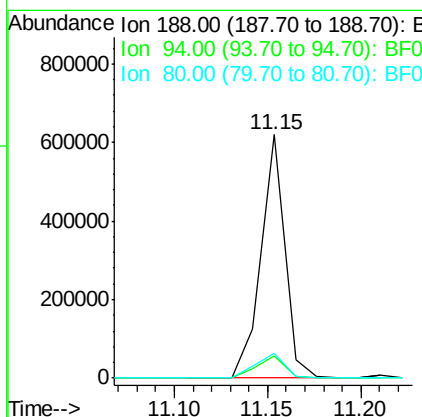
Manual Integrations
APPROVED

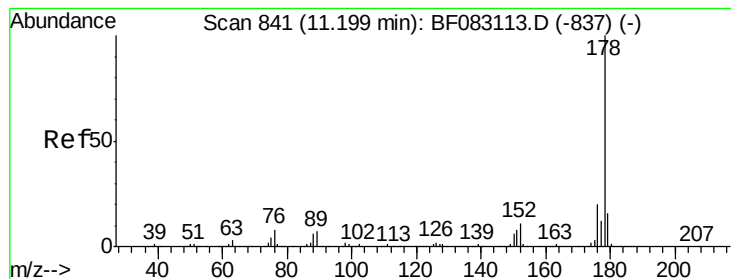
Mmdadoda
11/24/2015 1:20:14 PM



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF083226.D
Acq: 24 Nov 2015 2:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		547558		
94	9.4		6.0	9.0#	
80	10.3		6.7	10.1#	





#70

Phenanthrene

Concen: 3.66 ng

RT: 11.18 min Scan# 804

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

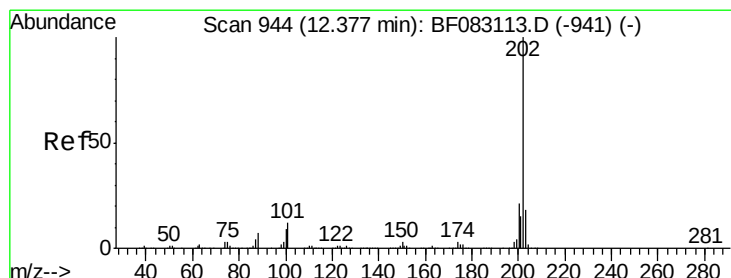
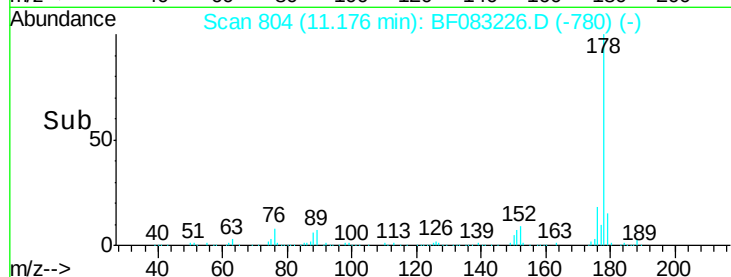
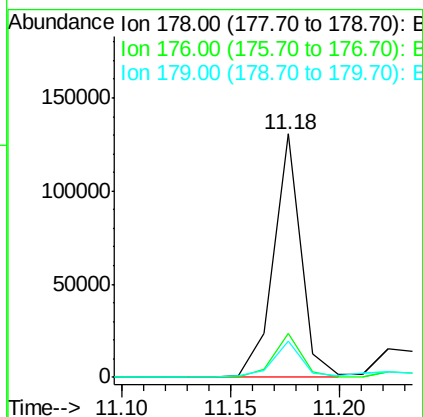
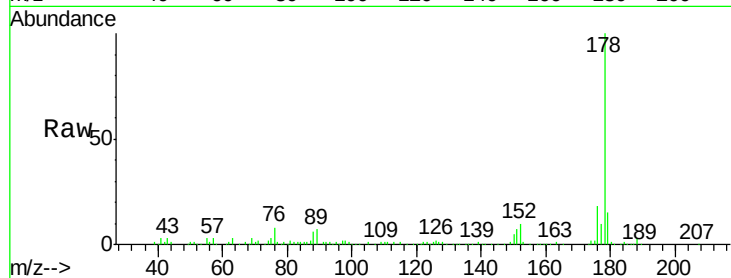
ClientSampleId :

CWC-8-20151116

Tot Ion:	178	Resp:	115611
Ion Ratio	Lower	Upper	
178	100		
176	17.9	16.2	24.2
179	15.1	12.8	19.2

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:14 PM



#74

Fluoranthene

Concen: 4.47 ng

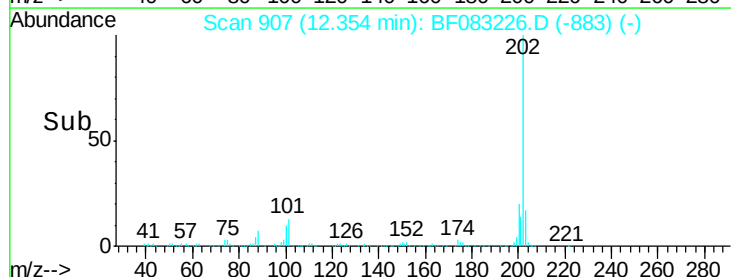
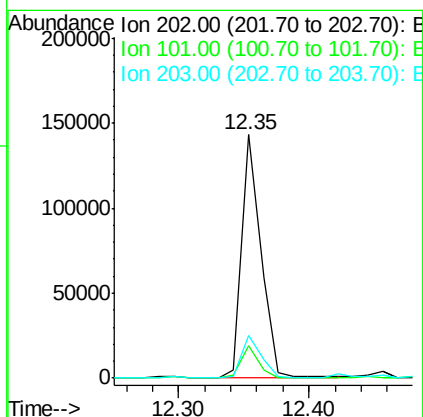
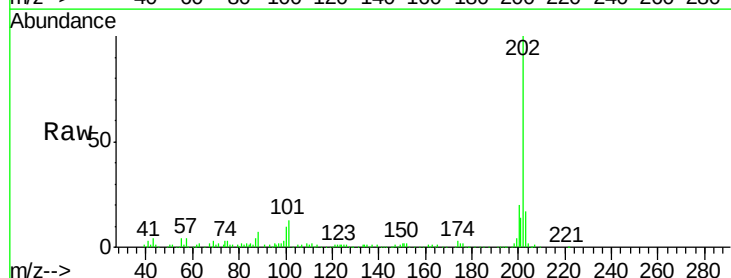
RT: 12.35 min Scan# 907

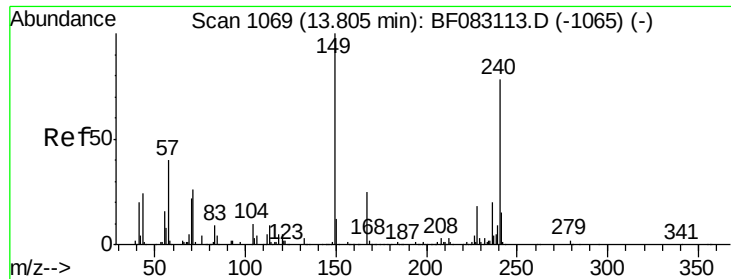
Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Tgt Ion:	202	Resp:	144470
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	32.3
203	17.5	0.0	38.4





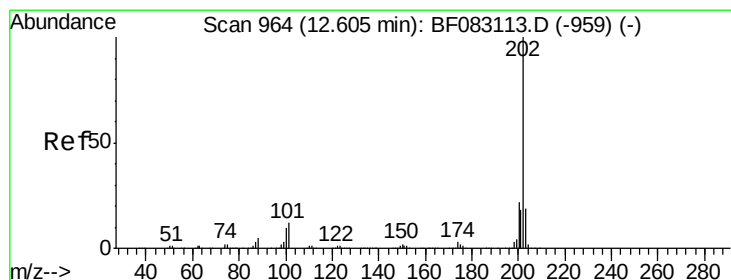
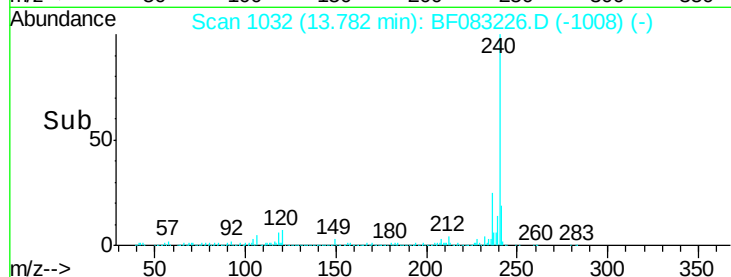
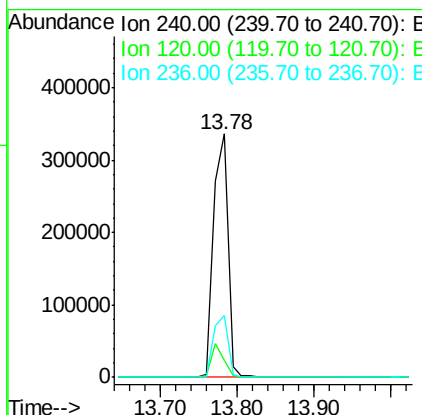
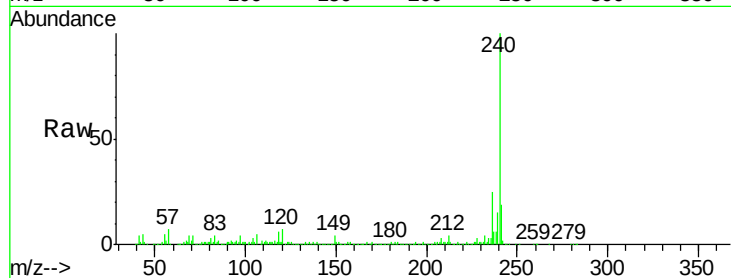
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.78 min Scan# 1032
Delta R.T. -0.02 min
Lab File: BF083226.D
Acq: 24 Nov 2015 2:01

Instrument :
BNA_F
ClientSampleId :
CWC-8-20151116

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.1	5.4	8.2
236	25.3	20.6	31.0

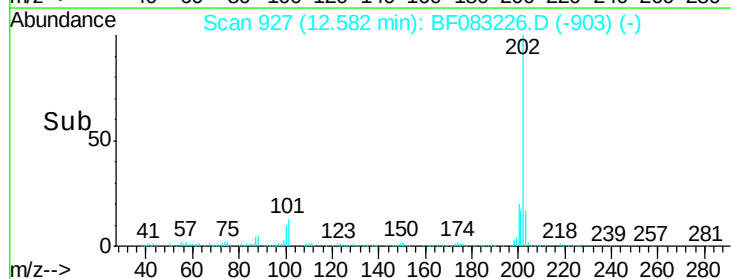
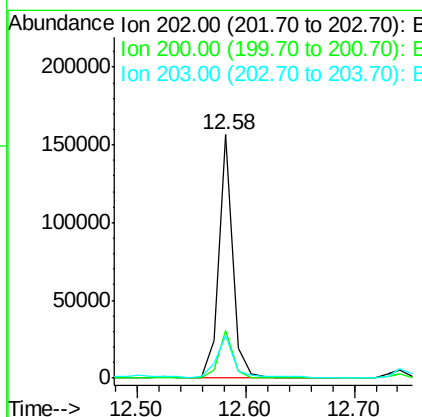
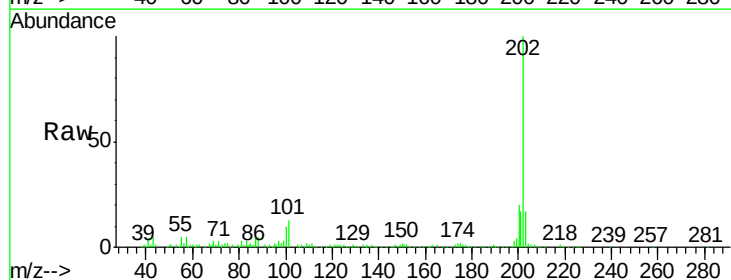
Manual Integrations
APPROVED

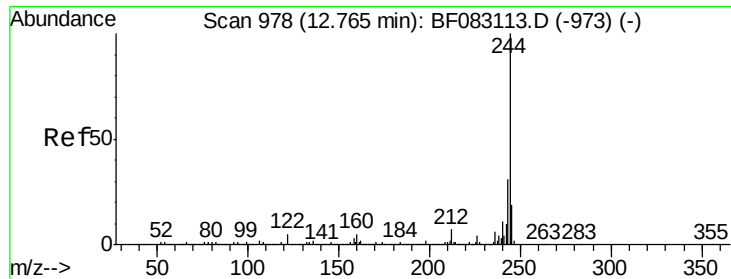
Mmdadoda
11/24/2015 1:20:14 PM



#77
Pyrene
Concen: 4.67 ng
RT: 12.58 min Scan# 927
Delta R.T. -0.02 min
Lab File: BF083226.D
Acq: 24 Nov 2015 2:01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.8	26.6
203	17.4	15.0	22.4





#78

Terphenyl-d14

Concen: 74.95 ng

RT: 12.74 min Scan# 941

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

ClientSampleId :

CWC-8-20151116

Tot Ion:244 Resp: 1386020

Ion Ratio Lower Upper

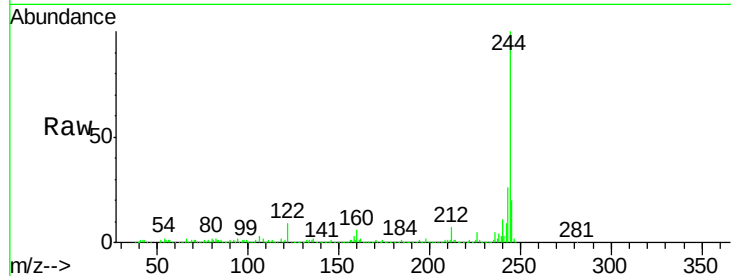
244 100

212 7.3 5.4 8.2

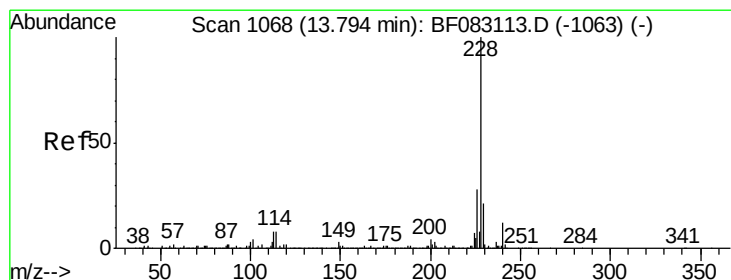
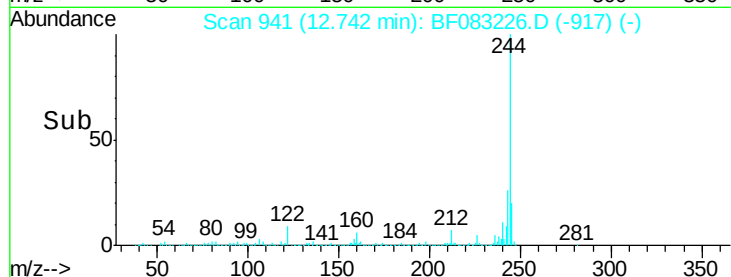
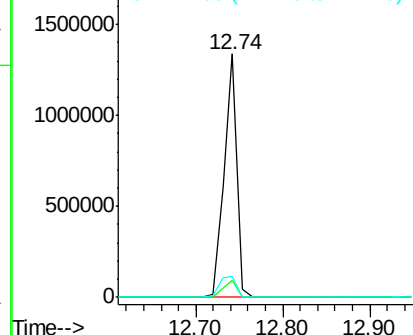
122 8.8 4.3 6.5#

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:14 PM



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: 2.37 ng

RT: 13.77 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

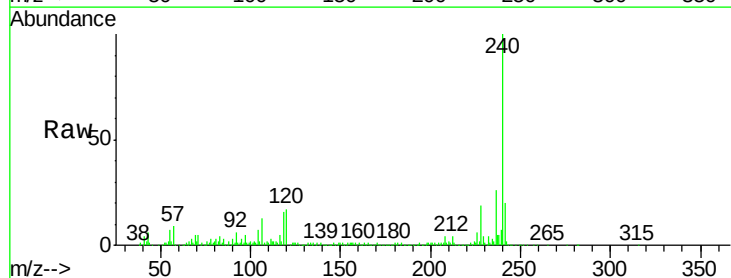
Tgt Ion:228 Resp: 63714

Ion Ratio Lower Upper

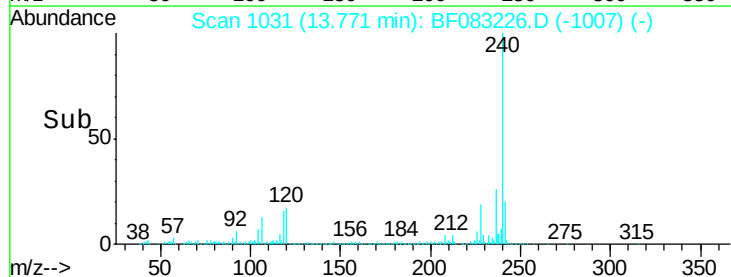
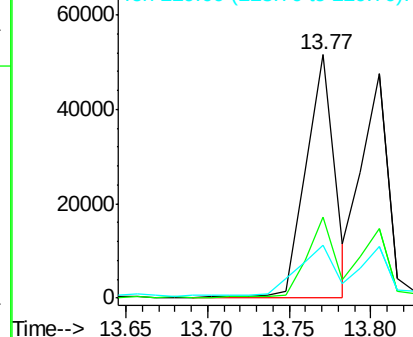
228 100

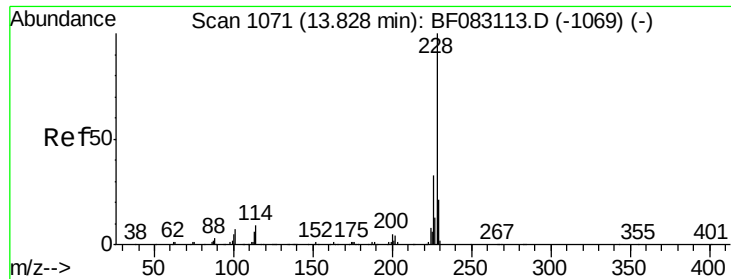
226 33.4 22.6 33.8

229 21.7 16.6 24.8



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: 2.20 ng/mL

RT: 13.81 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

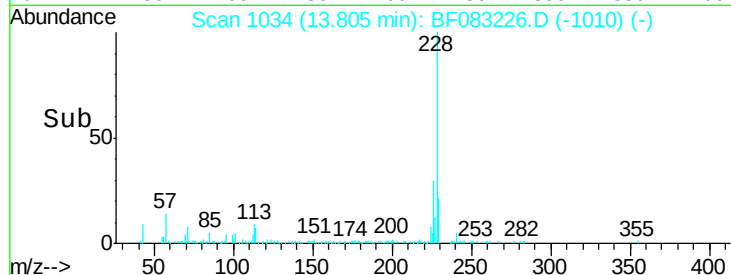
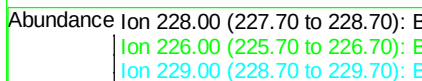
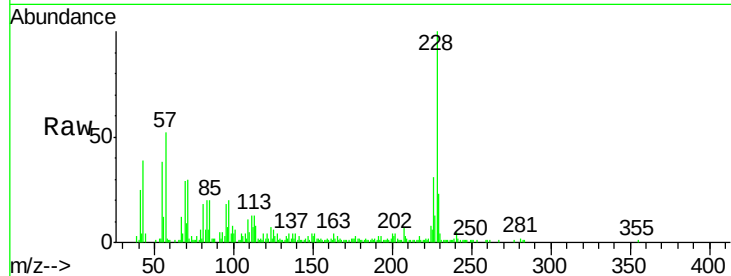
ClientSampleID :

CWC-8-20151116

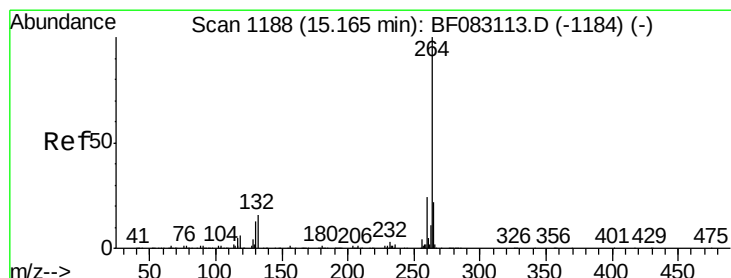
Tot Ion:	228	Resp:	55075
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.5	38.3
229	23.0	16.6	25.0

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:14 PM



Time-->



#86

Perylene-d12

Concen: 20.00 ng

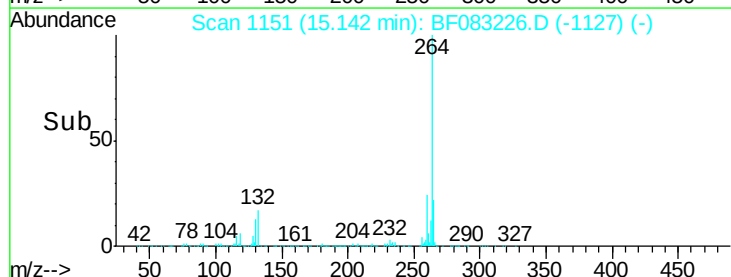
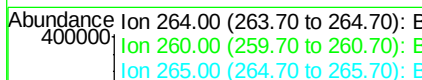
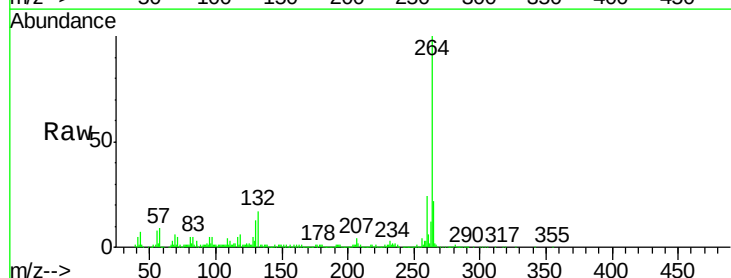
RT: 15.14 min Scan# 1151

Delta R.T. -0.02 min

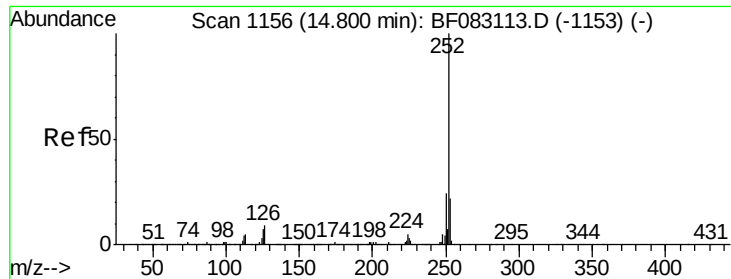
Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Tgt Ion:	264	Resp:	318056
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.1	28.7
265	21.9	18.2	27.4



Time-->



#87

Benzo(b)fluoranthene

Concen: 2.83 ng m

RT: 14.78 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Instrument :

BNA_F

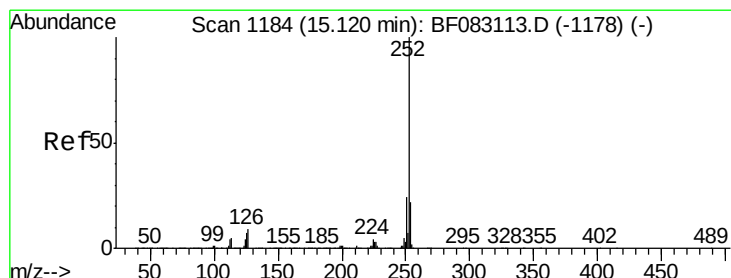
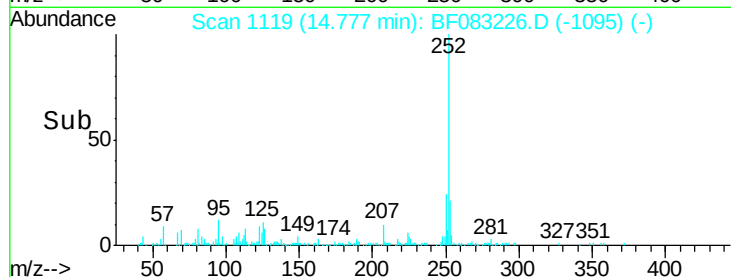
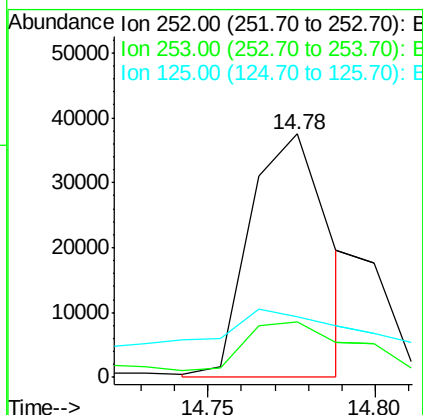
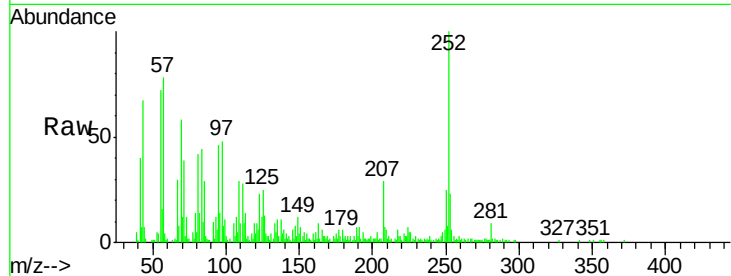
ClientSampleId :

CWC-8-20151116

Tot Ion:	252	Resp:	61478
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.7	26.5
125	24.7	5.6	8.4#

Manual Integrations
APPROVED

Mmdadoda
11/24/2015 1:20:14 PM



#89

Benzo(a)pyrene

Concen: 2.18 ng

RT: 15.09 min Scan# 1146

Delta R.T. -0.03 min

Lab File: BF083226.D

Acq: 24 Nov 2015 2:01

Tgt Ion:	252	Resp:	39038
Ion Ratio	Lower	Upper	
252	100		
253	25.7	17.5	26.3
125	26.2	5.4	8.0#

