

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
 Data File : BF082058.D
 Acq On : 5 Oct 2015 21:59
 Operator : UM/IZ
 Sample : G3866-01DL 4X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E5WC-1(6-12)DL

Manual Integrations
 APPROVED

MMDadoda
 10/6/2015 2:54:31 PM

Quant Time: Oct 06 05:43:56 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 05 17:58:12 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	98099m	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	401449	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	168495	20.00	ng	-0.01
63) Phenanthrene-d10	11.42	188	315223	20.00	ng	0.00
75) Chrysene-d12	14.06	240	220944	20.00	ng	0.00
86) Perylene-d12	15.51	264	215261	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	185232	34.28	ng	-0.01
7) Phenol-d6	6.50	99	264194	38.85	ng	-0.01
23) Nitrobenzene-d5	7.45	82	143989	23.91	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	56905	33.35	ng	0.00
44) 2-Fluorobiphenyl	9.25	172	284154	24.23	ng	0.00
78) Terphenyl-d14	13.00	244	188844	21.80	ng	-0.01
Target Compounds						Qvalue
48) Acenaphthylene	9.78	152	139149	8.52	ng	98
49) Dimethylphthalate	9.65	163	62399	5.37	ng	# 97
70) Phenanthrene	11.44	178	675334	44.50	ng	97
71) Anthracene	11.49	178	143972	8.99	ng	99
72) Carbazole	11.65	167	90582	6.25	ng	96
74) Fluoranthene	12.63	202	905236	53.61	ng	91
77) Pyrene	12.86	202	884913	67.04	ng	96
80) Benzo(a)anthracene	14.05	228	536916	45.13	ng	# 88
82) Chrysene	14.08	228	422746	37.58	ng	93
85) Indeno(1,2,3-cd)pyrene	16.94	276	243949	26.21	ng	# 83
87) Benzo(b)fluoranthene	15.09	252	611207m	49.73	ng	
88) Benzo(k)fluoranthene	15.11	252	140513m	12.47	ng	
89) Benzo(a)pyrene	15.45	252	388367	36.43	ng	# 82
90) Dibenzo(a,h)anthracene	16.95	278	52629m	5.88	ng	
91) Benzo(a,h,i)perylene	17.37	276	254199	27.73	ng	# 76

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

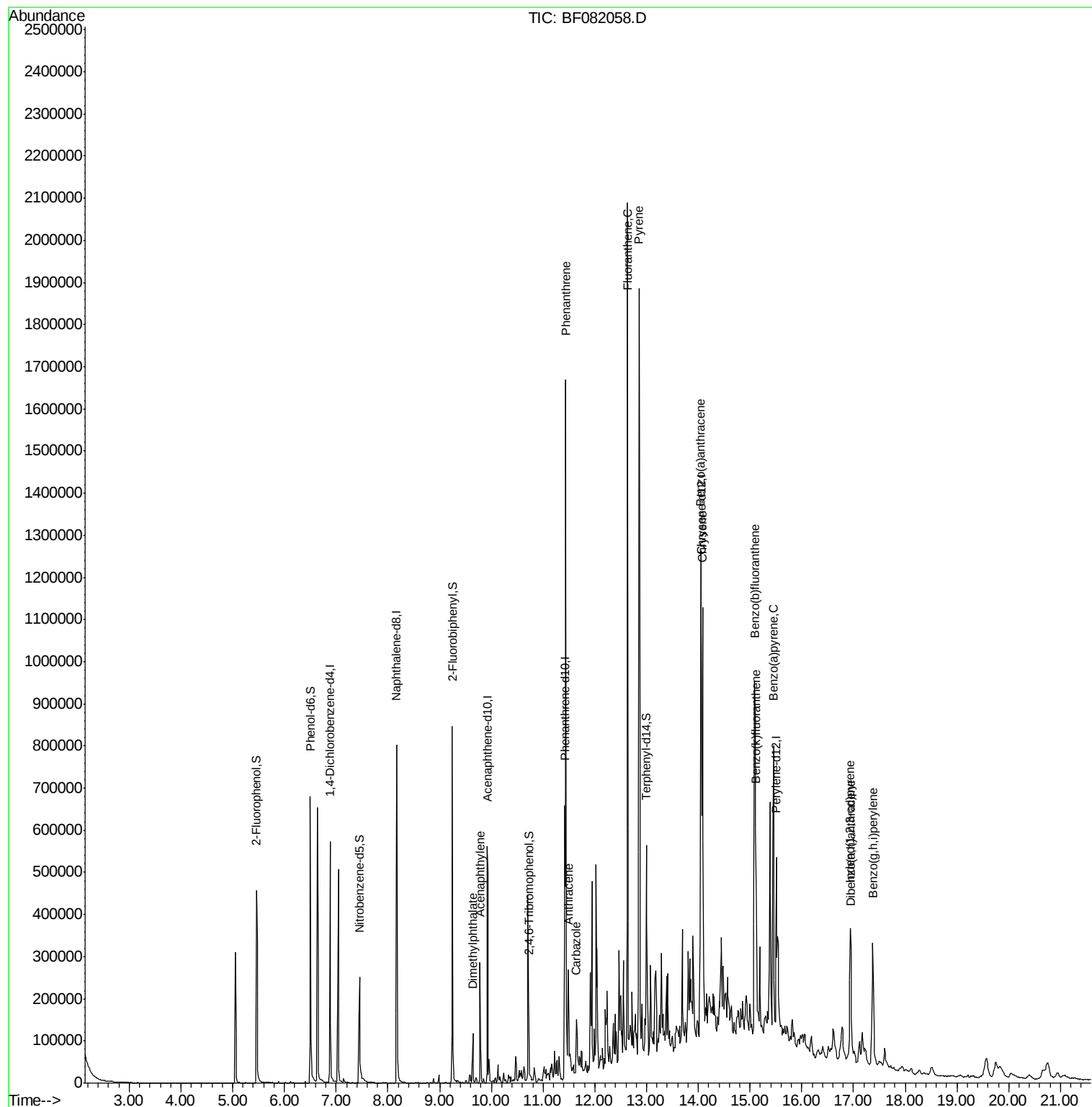
Data Path : Z:\HPCHEM1\BNA F\DATA\BF100515\
Data File : BF082058.D
Acq On : 5 Oct 2015 21:59
Operator : UM/IZ
Sample : G3866-01DL 4X
Misc :
ALS Vial : 15 Sample Multiplier: 1

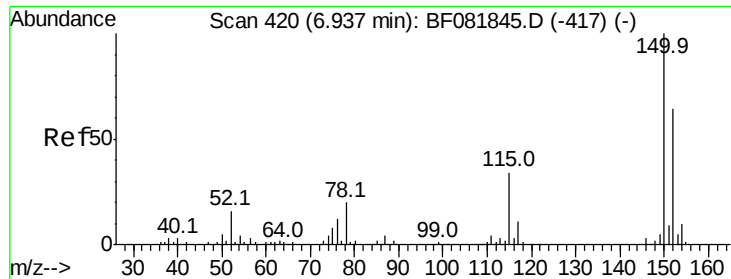
Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)DL

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM

Quant Time: Oct 06 05:43:56 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 05 17:58:12 2015
Response via : Initial Calibration





#1

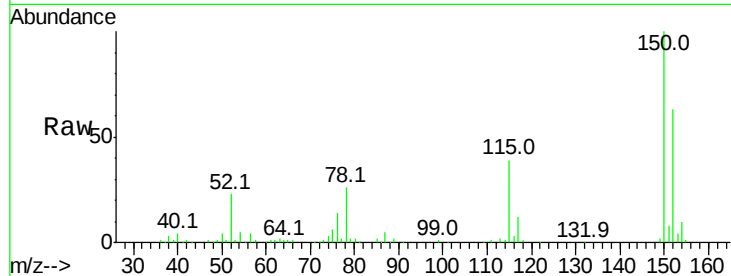
1,4-Dichlorobenzene-d4
Concen: 20.00 ng/mL
RT: 6.88 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF082058.D
Acq: 5 Oct 2015 21:59

Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.7	187.1
115	62.1	39.0	58.4

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM



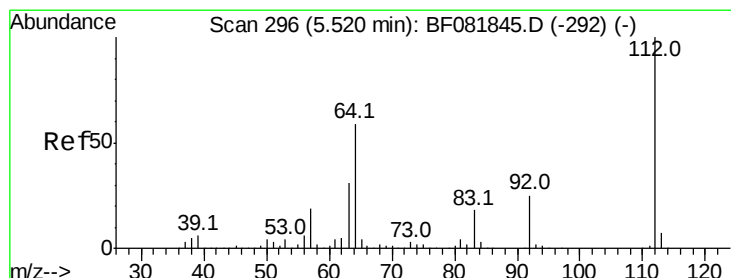
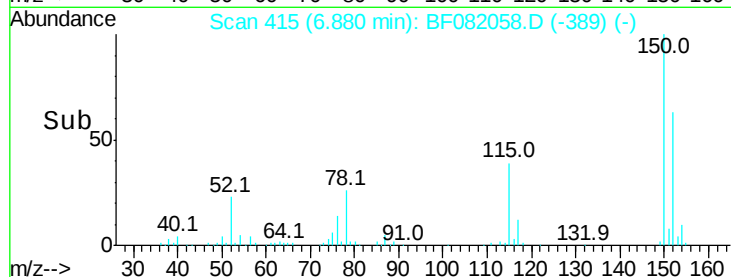
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E

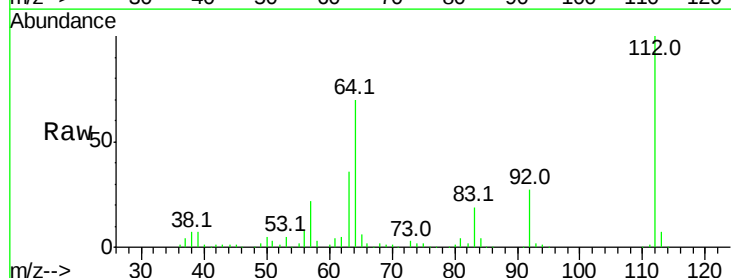
Time-->



#5

2-Fluorophenol
Concen: 34.28 ng
RT: 5.46 min Scan# 291
Delta R.T. -0.01 min
Lab File: BF082058.D
Acq: 5 Oct 2015 21:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.1	39.7	59.5
63	36.1	17.4	26.0



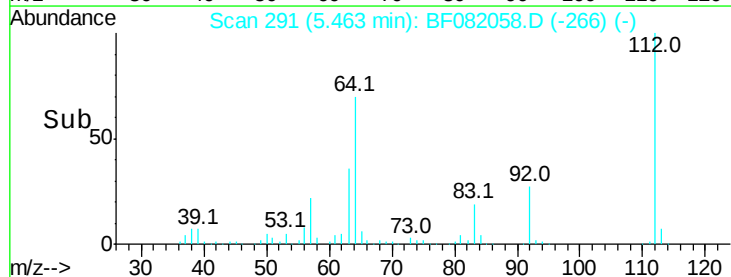
Abundance

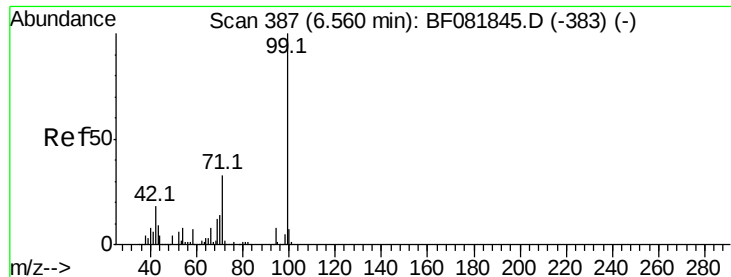
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->





#7

Phenol-d6

Concen: 38.85 ng

RT: 6.50 min Scan# 382

Delta R.T. -0.01 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Instrument :

BNA_F

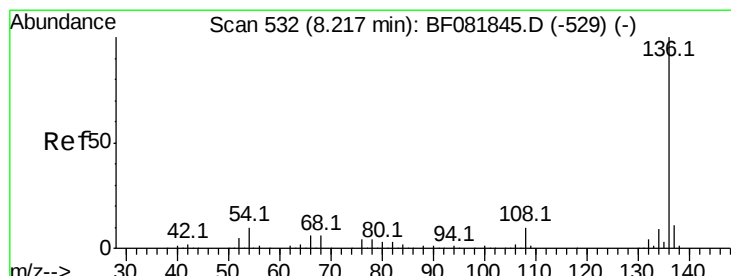
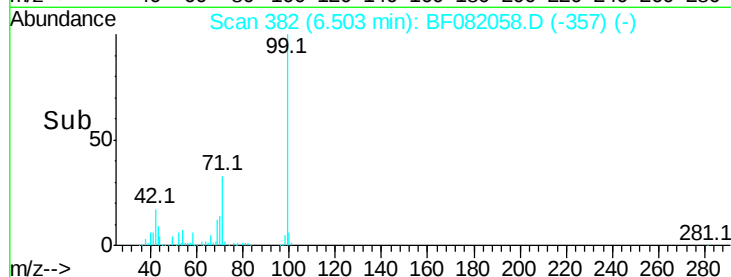
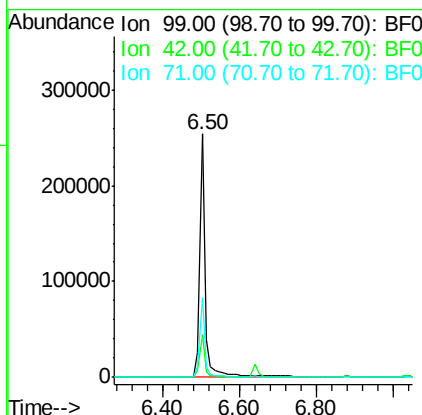
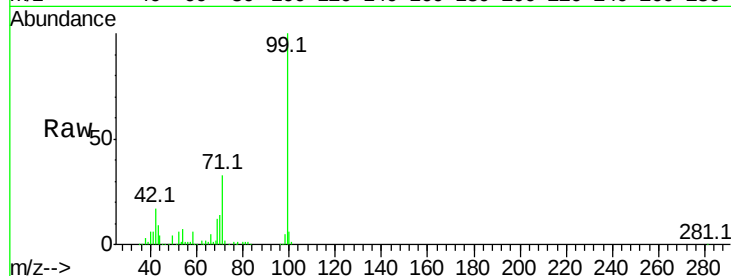
ClientSampleId :

E5WC-1(6-12)DL

Tot Ion:	99	Resp:	264194
Ion Ratio	Lower	Upper	
99	100		
42	17.5	13.7	20.5
71	32.6	14.2	21.2#

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM



#21

Naphthalene-d8

Concen: 20.00 ng

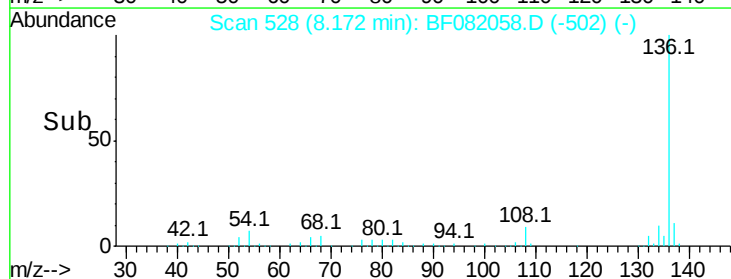
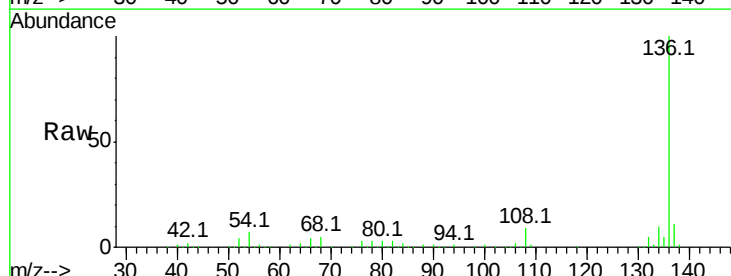
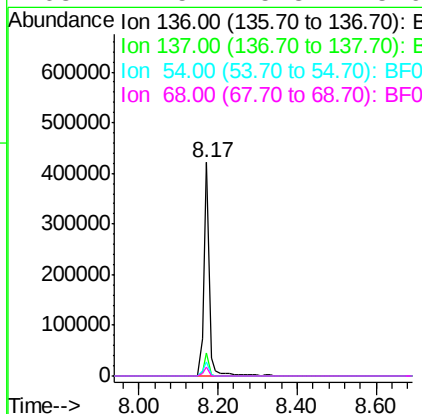
RT: 8.17 min Scan# 528

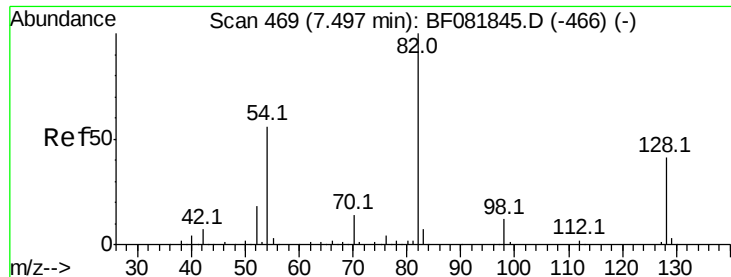
Delta R.T. -0.00 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Tgt Ion:	136	Resp:	401449
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	6.8	8.2	12.2#
68	4.5	5.8	8.6#





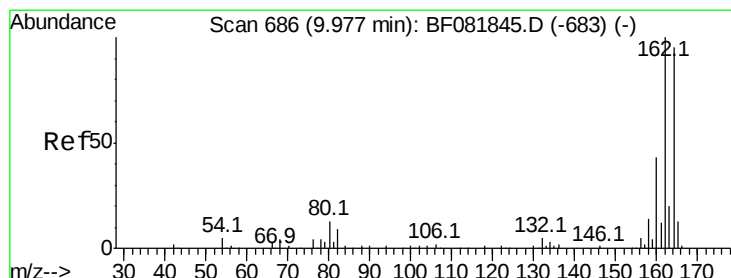
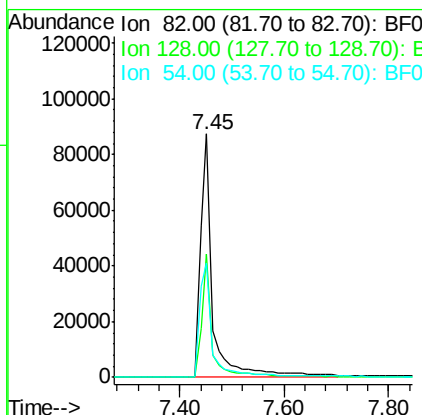
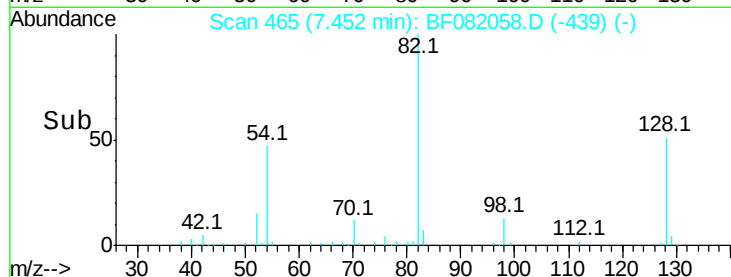
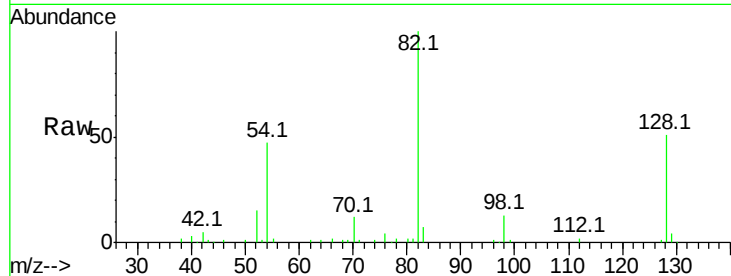
#23
 Nitrobenzene-d5
 Concen: 23.91 ng
 RT: 7.45 min Scan# 465
 Delta R.T. -0.00 min
 Lab File: BF082058.D
 Acq: 5 Oct 2015 21:59

Instrument :
 BNA_F
 ClientSampleId :
 E5WC-1(6-12)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	50.9	51.0	76.6#
54	47.2	47.5	71.3#

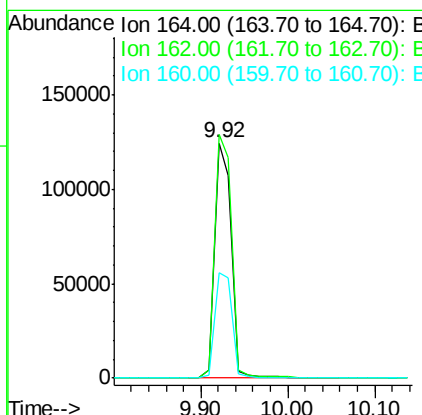
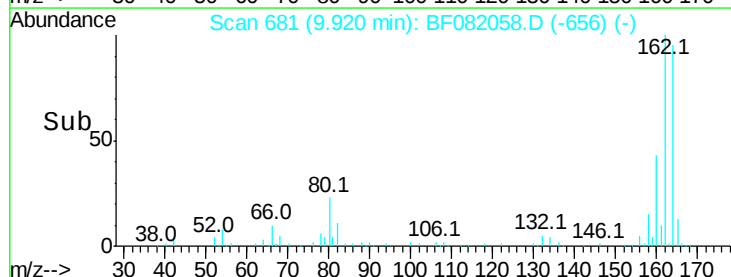
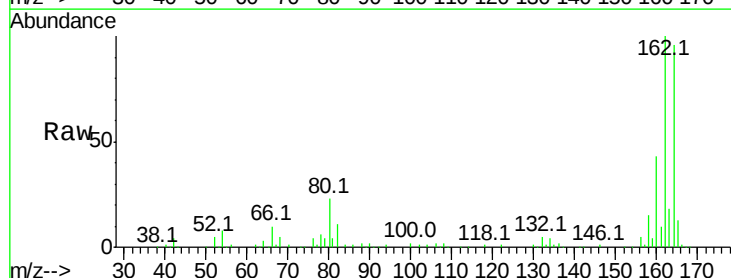
Manual Integrations
 APPROVED

MMDadoda
 10/6/2015 2:54:31 PM



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF082058.D
 Acq: 5 Oct 2015 21:59

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.7	75.2	112.8
160	44.8	31.5	47.3





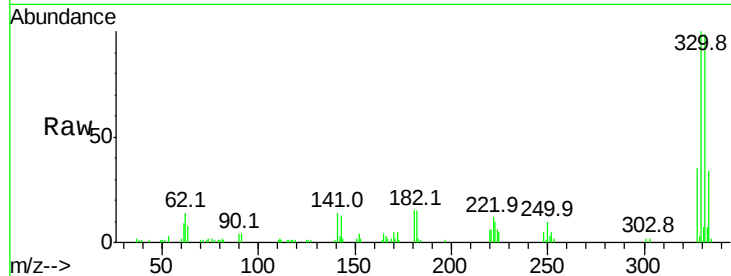
#41
 2,4,6-Tribromophenol
 Concen: 33.35 ng
 RT: 10.72 min Scan# 751
 Delta R.T. -0.00 min
 Lab File: BF082058.D
 Acq: 5 Oct 2015 21:59

Instrument :
 BNA_F
 ClientSampleId :
 E5WC-1(6-12)DL

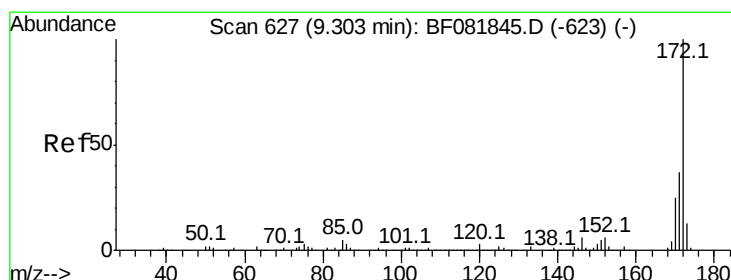
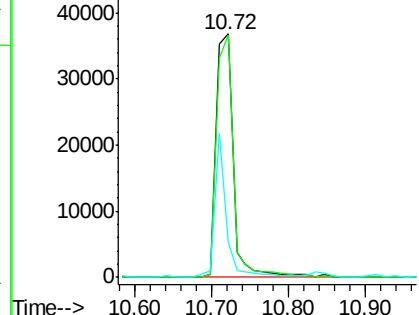
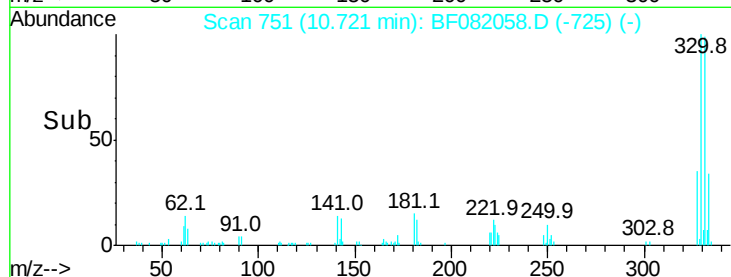
Tot Ion	Ratio	Resp	Lower	Upper
330	100	56905		
332	97.3		76.6	114.8
141	39.3		29.7	44.5

Manual Integrations
 APPROVED

MMDadoda
 10/6/2015 2:54:31 PM

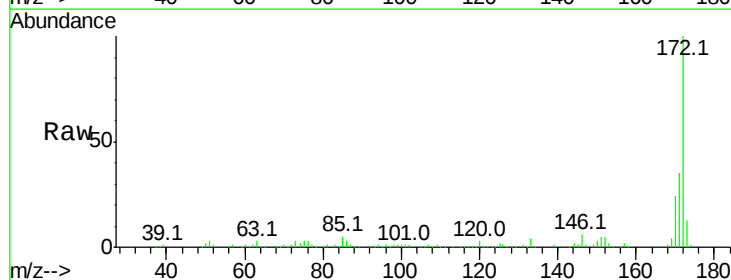


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

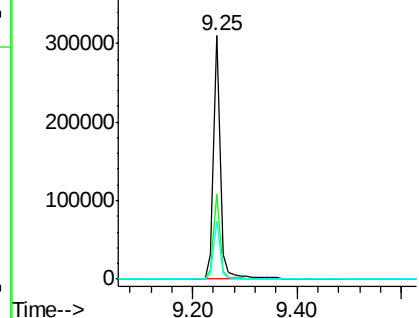
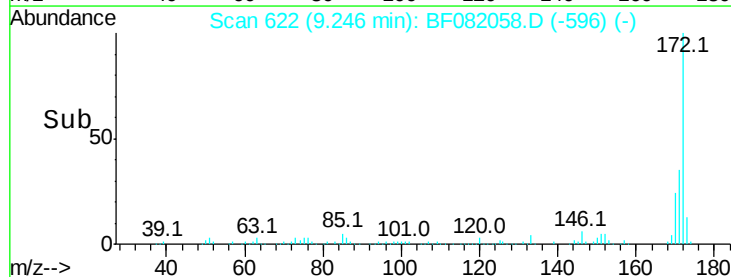


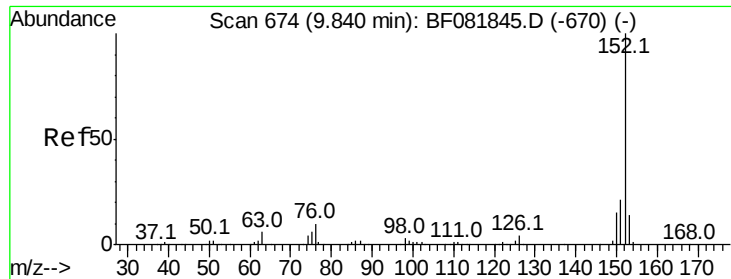
#44
 2-Fluorobiphenyl
 Concen: 24.23 ng
 RT: 9.25 min Scan# 622
 Delta R.T. -0.00 min
 Lab File: BF082058.D
 Acq: 5 Oct 2015 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	284154		
171	35.1		26.1	39.1
170	23.7		17.4	26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 8.52 ng

RT: 9.78 min Scan# 669

Delta R.T. -0.01 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Instrument :

BNA_F

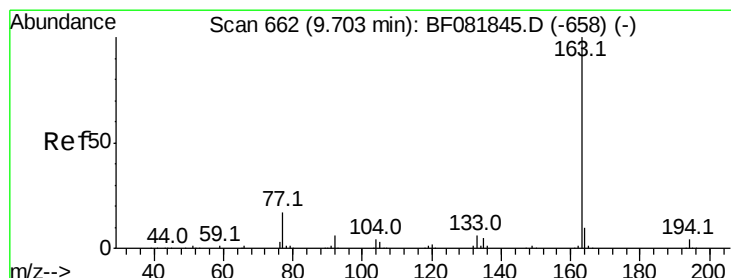
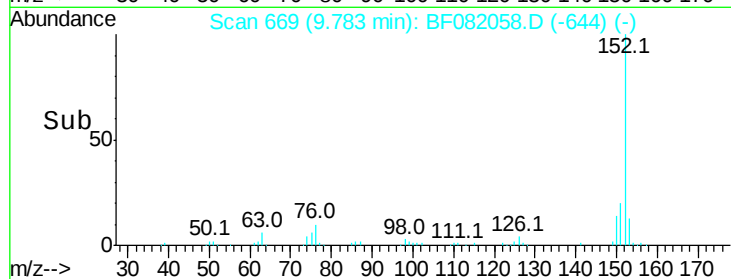
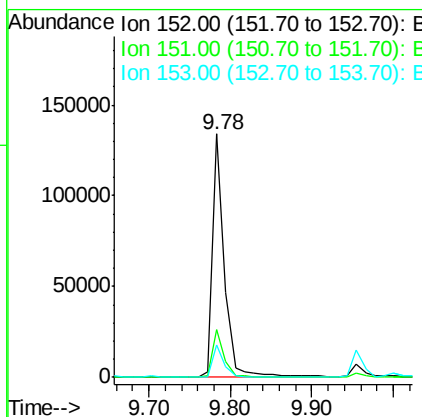
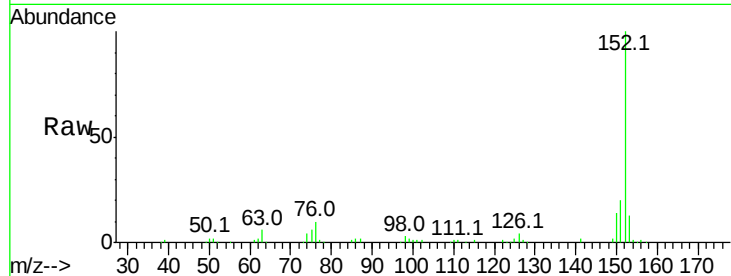
ClientSampleId :

E5WC-1(6-12)DL

Tot Ion:	152	Resp:	139149
Ion Ratio	Lower	Upper	
152	100		
151	19.8	14.6	22.0
153	13.3	10.3	15.5

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM



#49

Dimethylphthalate

Concen: 5.37 ng

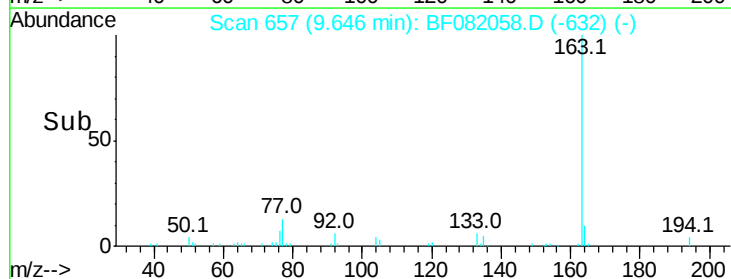
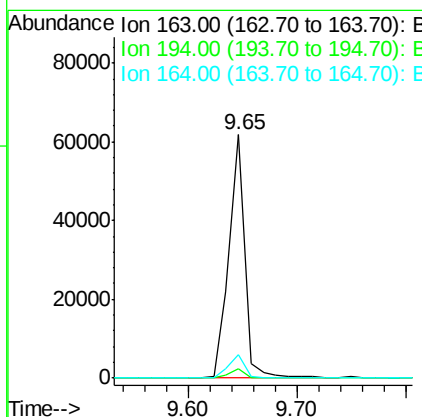
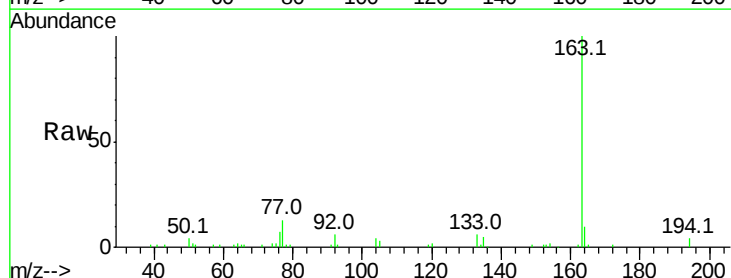
RT: 9.65 min Scan# 657

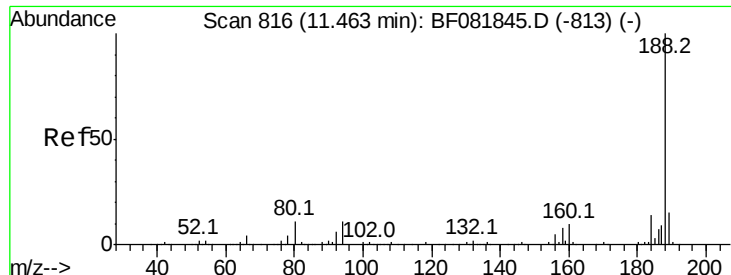
Delta R.T. -0.01 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Tgt Ion:	163	Resp:	62399
Ion Ratio	Lower	Upper	
163	100		
194	3.9	4.4	6.6#
164	9.7	8.3	12.5





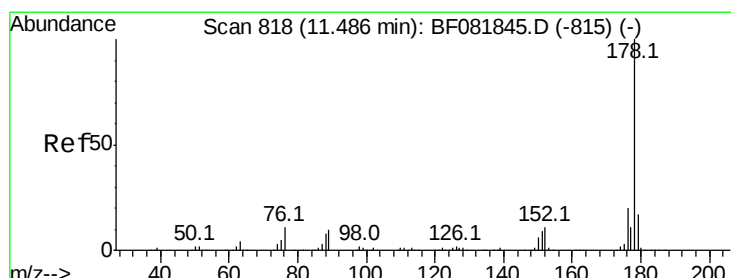
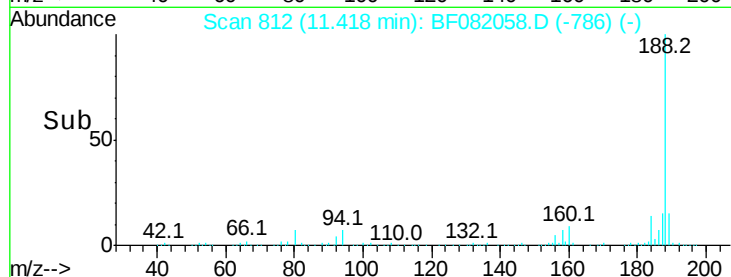
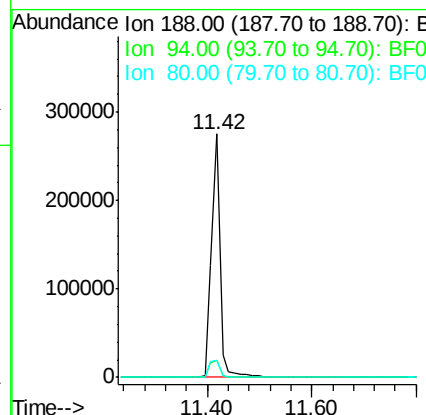
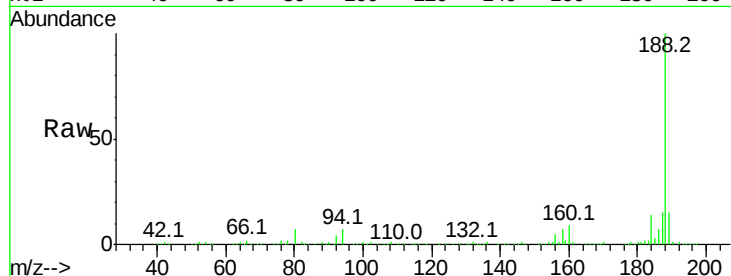
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.42 min Scan# 812
Delta R.T. -0.00 min
Lab File: BF082058.D
Acq: 5 Oct 2015 21:59

Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)DL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	315223		
94	6.8	11.1	16.7#	
80	7.0	11.0	16.4#	

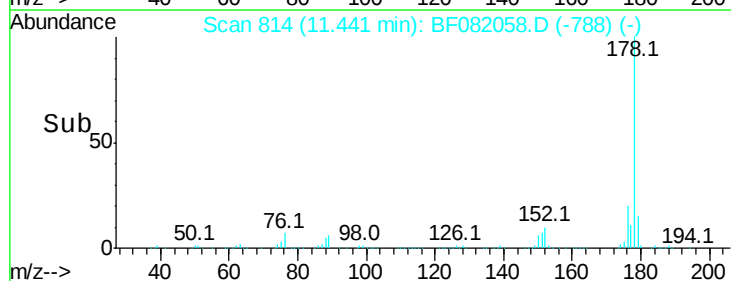
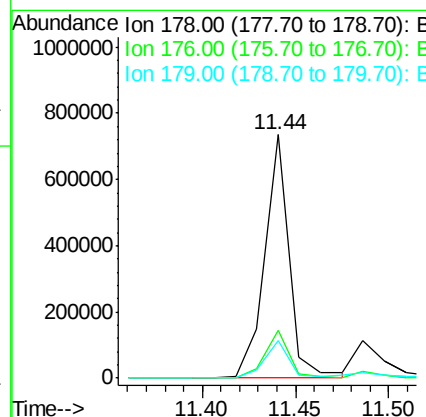
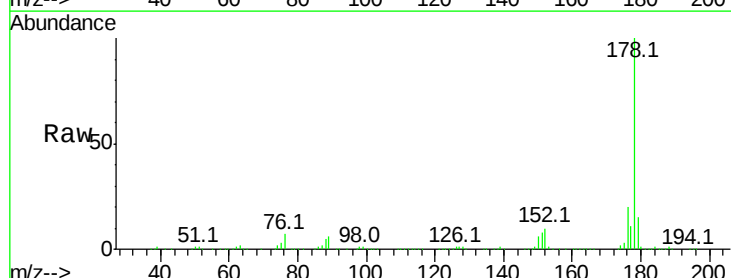
Manual Integrations
APPROVED

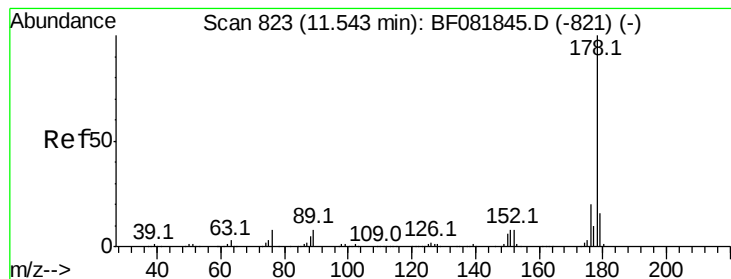
MMDadoda
10/6/2015 2:54:31 PM



#70
Phenanthrene
Concen: 44.50 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.00 min
Lab File: BF082058.D
Acq: 5 Oct 2015 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	675334		
176	19.8	13.8	20.8	
179	15.3	12.2	18.2	





#71

Anthracene

Concen: 8.99 ng

RT: 11.49 min Scan# 818

Delta R.T. -0.01 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Instrument :

BNA_F

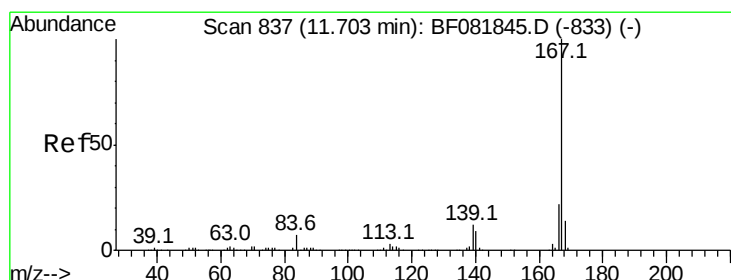
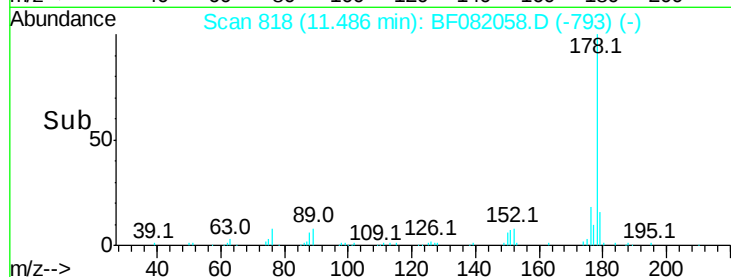
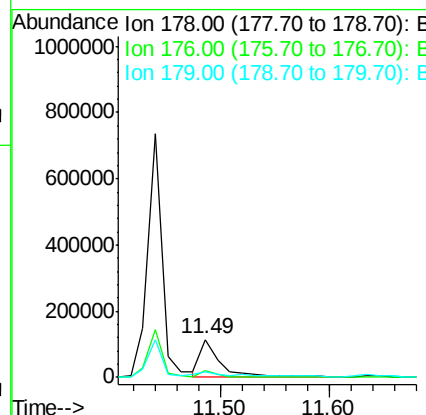
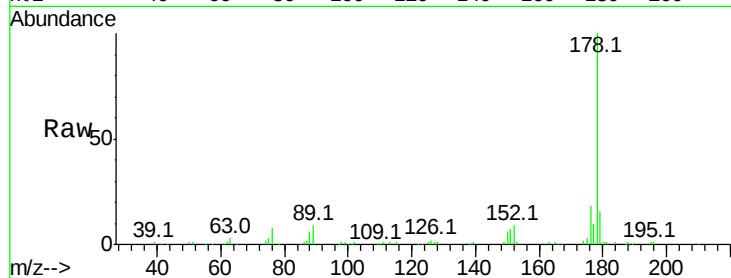
ClientSampleID :

E5WC-1(6-12)DL

Tot Ion:	178	Resp:	143972
Ion Ratio	Lower	Upper	
178	100		
176	17.8	14.1	21.1
179	16.3	12.2	18.2

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM



#72

Carbazole

Concen: 6.25 ng

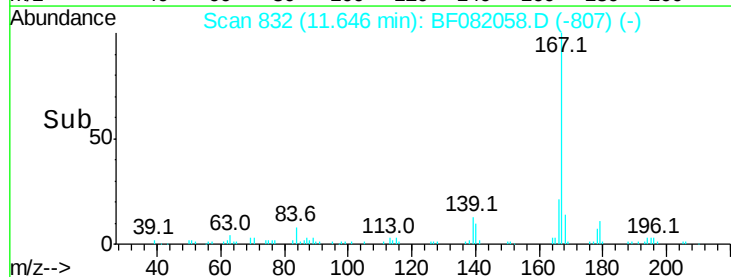
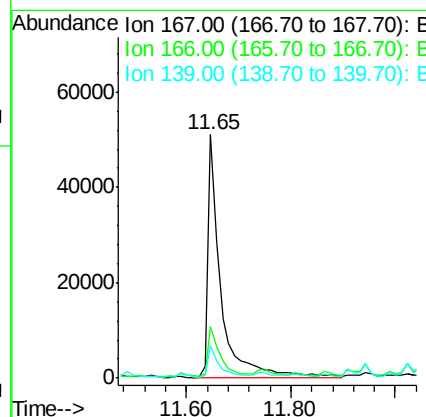
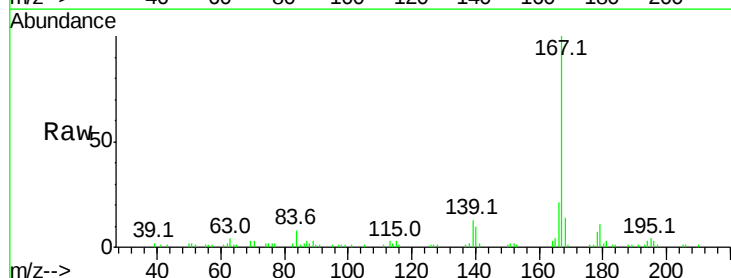
RT: 11.65 min Scan# 832

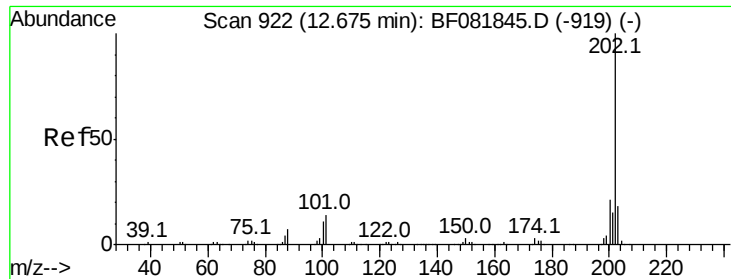
Delta R.T. -0.01 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Tgt Ion:	167	Resp:	90582
Ion Ratio	Lower	Upper	
167	100		
166	21.2	15.7	23.5
139	13.4	9.5	14.3





#74

Fluoranthene

Concen: 53.61 ng

RT: 12.63 min Scan# 918

Delta R.T. -0.00 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Instrument :

BNA_F

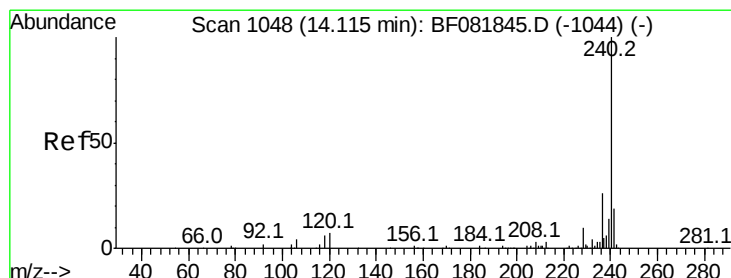
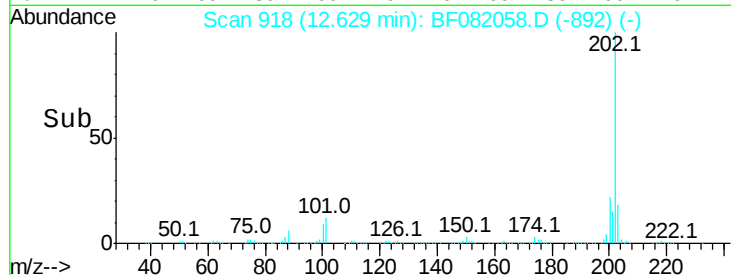
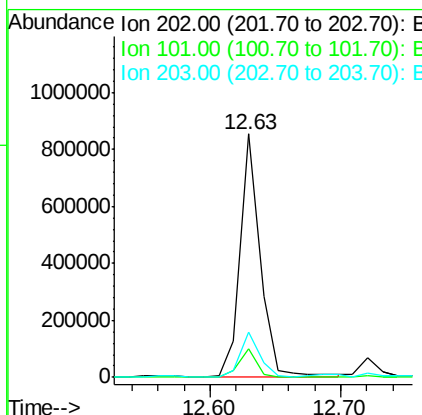
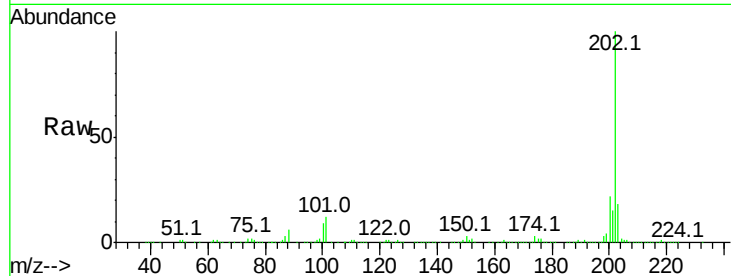
ClientSampleId :

E5WC-1(6-12)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.9	0.0	38.3
203	18.4	0.0	37.3

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM



#75

Chrysene-d12

Concen: 20.00 ng

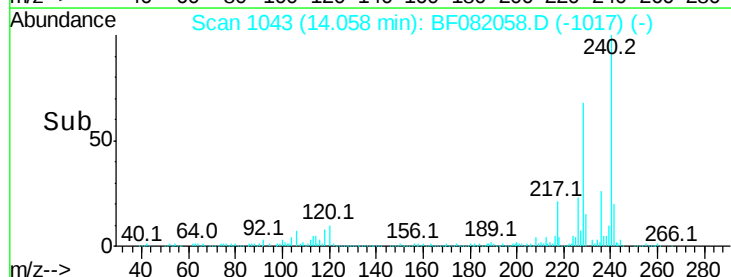
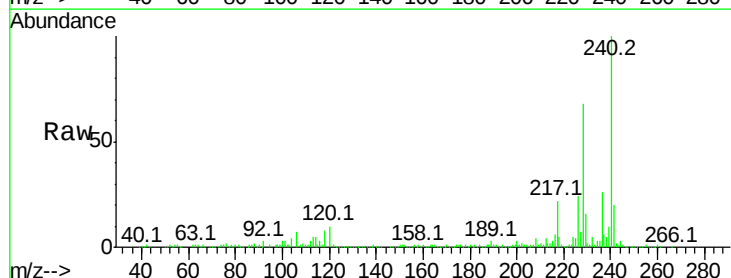
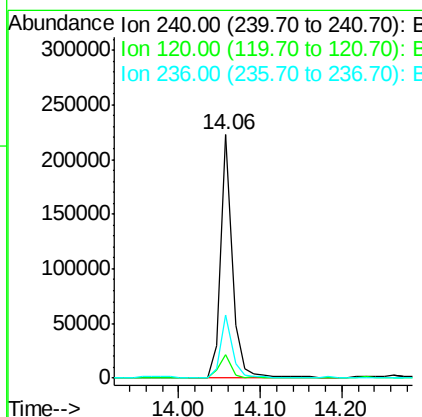
RT: 14.06 min Scan# 1043

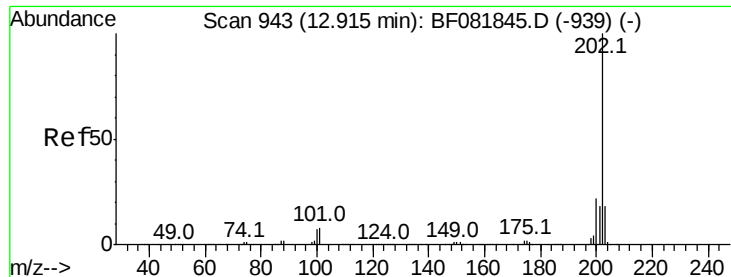
Delta R.T. -0.00 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.6	16.2	24.2#
236	26.0	18.4	27.6





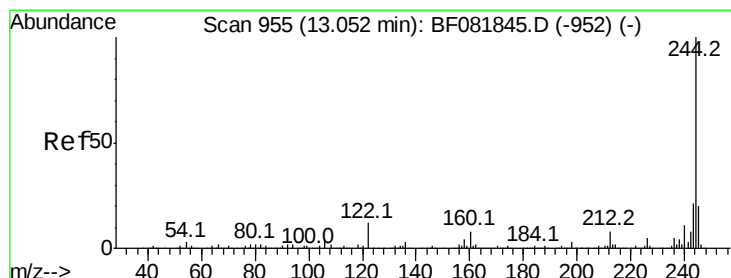
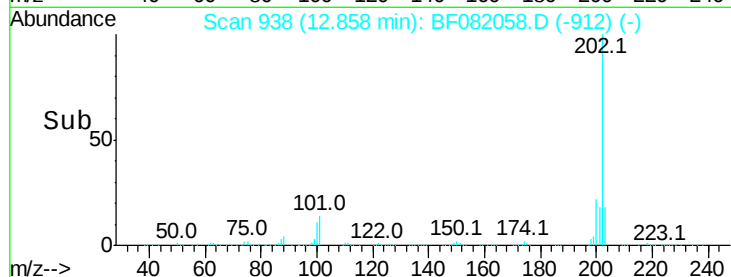
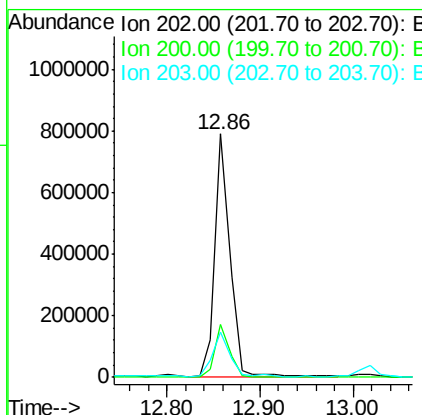
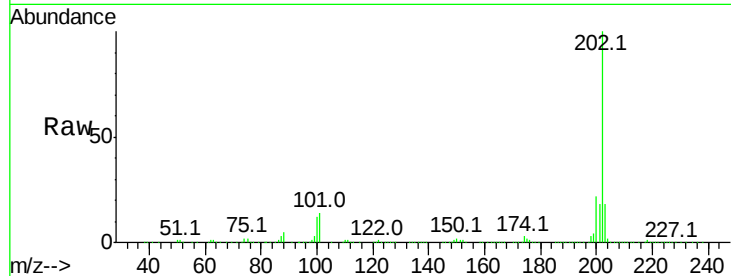
#77
Pvrene
Concen: 67.04 ng
RT: 12.86 min Scan# 938
Delta R.T. -0.00 min
Lab File: BF082058.D
Acq: 5 Oct 2015 21:59

Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)DL

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.8	15.0	22.4	
203	18.4	14.1	21.1	

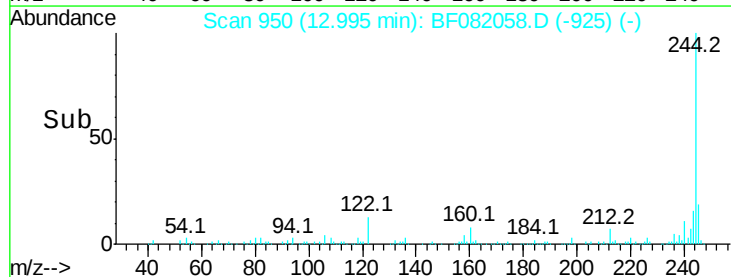
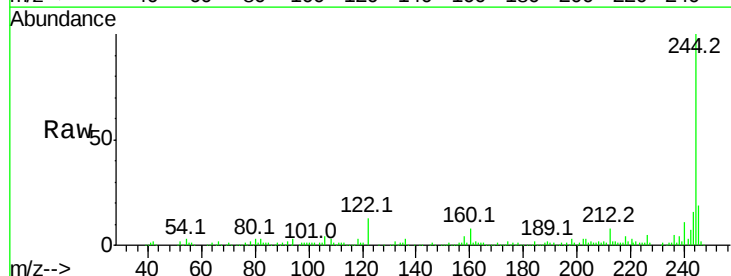
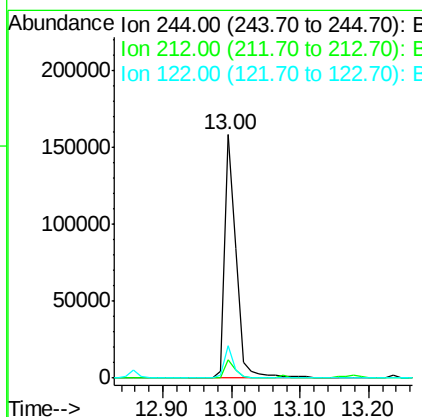
Manual Integrations
APPROVED

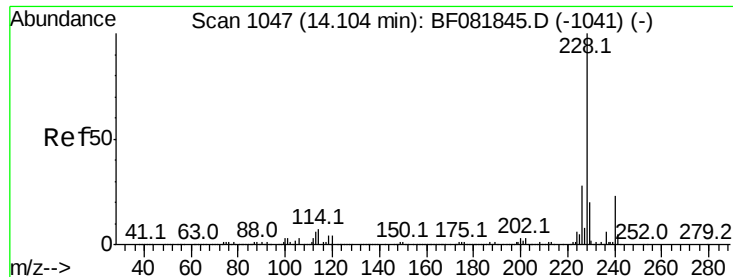
MMDadoda
10/6/2015 2:54:31 PM



#78
Terphenyl-d14
Concen: 21.80 ng
RT: 13.00 min Scan# 950
Delta R.T. -0.01 min
Lab File: BF082058.D
Acq: 5 Oct 2015 21:59

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.6	4.3	6.5#	
122	13.3	17.4	26.2#	





#80

Benzo(a)anthracene

Concen: 45.13 ng

RT: 14.05 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Instrument :

BNA_F

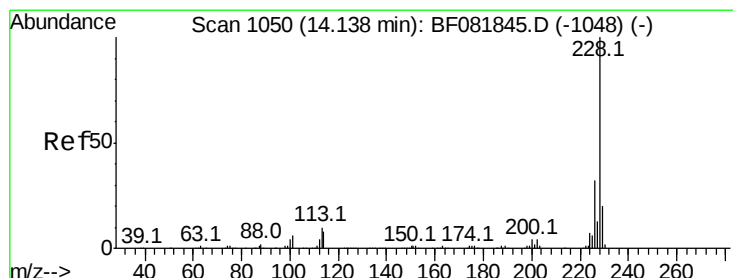
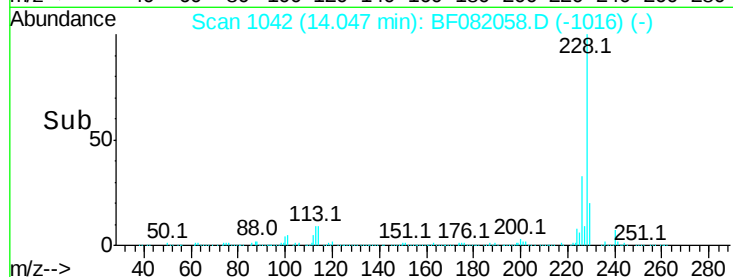
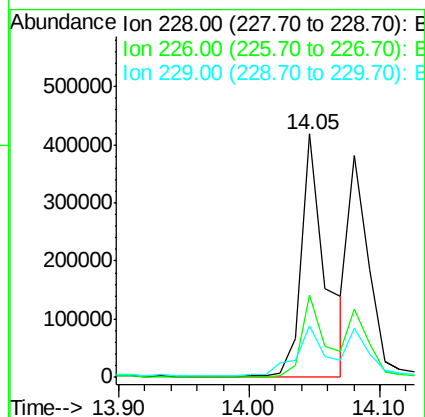
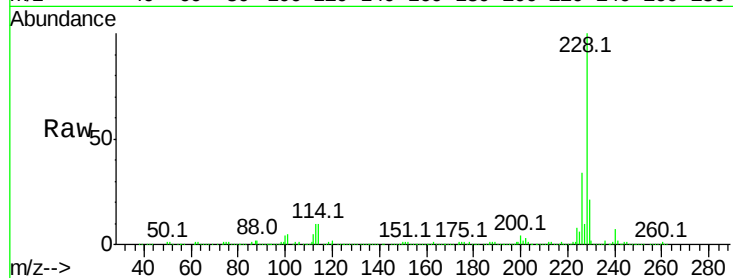
ClientSampleId :

E5WC-1(6-12)DL

Tot Ion:	228	Resp:	536916
Ion Ratio	Lower	Upper	
228	100		
226	33.7	20.0	30.0#
229	21.2	15.4	23.2

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM



#82

Chrysene

Concen: 37.58 ng

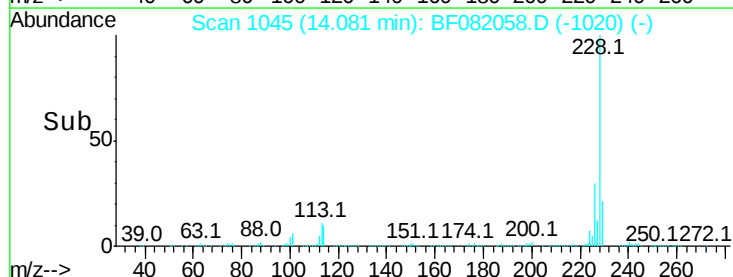
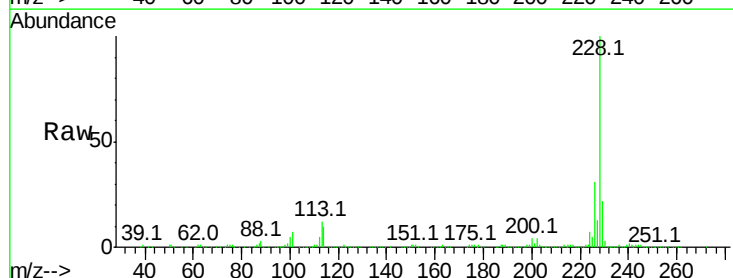
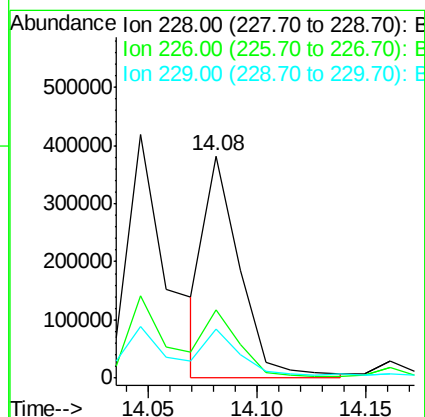
RT: 14.08 min Scan# 1045

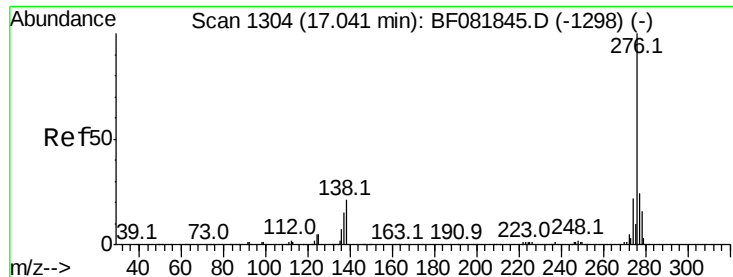
Delta R.T. -0.01 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Tgt Ion:	228	Resp:	422746
Ion Ratio	Lower	Upper	
228	100		
226	30.6	21.0	31.4
229	21.9	15.6	23.4





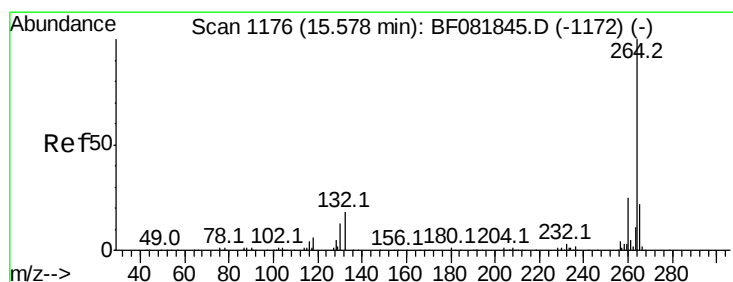
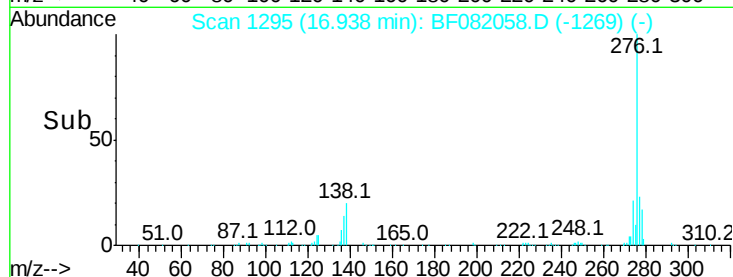
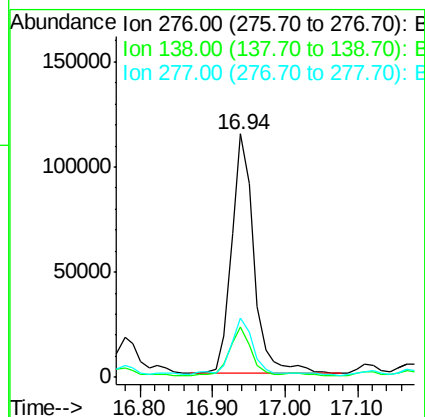
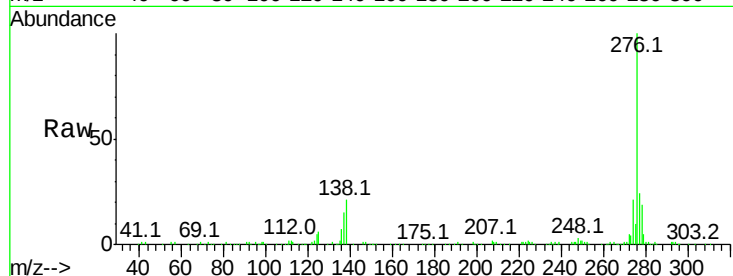
#85
Indeno(1,2,3-cd)pyrene
Concen: 26.21 ng
RT: 16.94 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BF082058.D
Acq: 5 Oct 2015 21:59

Instrument :
BNA_F
ClientSampleId :
E5WC-1(6-12)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.6	25.7	38.5#
277	22.9	15.6	23.4

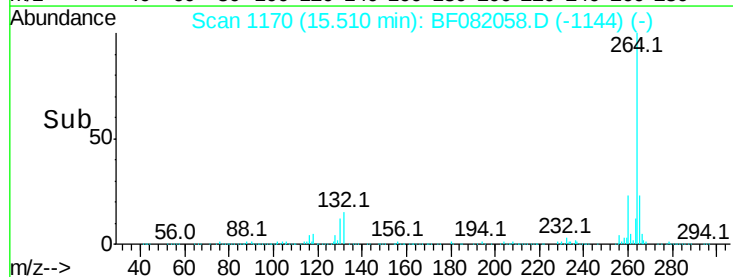
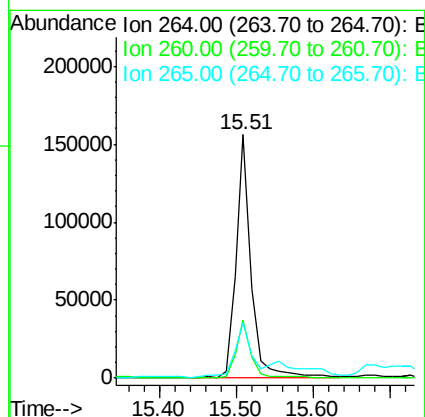
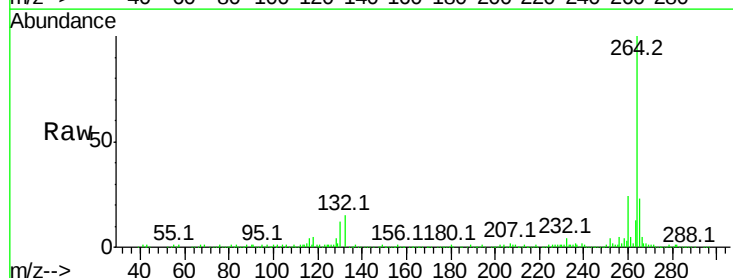
Manual Integrations
APPROVED

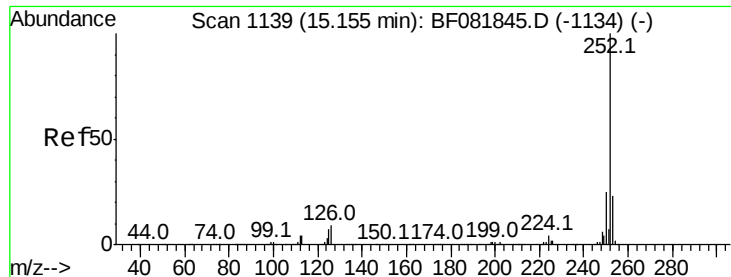
MMDadoda
10/6/2015 2:54:31 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BF082058.D
Acq: 5 Oct 2015 21:59

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	16.7	25.1
265	23.0	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 49.73 ng m

RT: 15.09 min Scan# 1133

Delta R.T. -0.00 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Instrument :

BNA_F

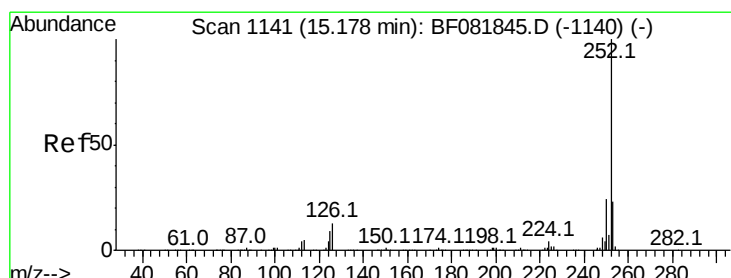
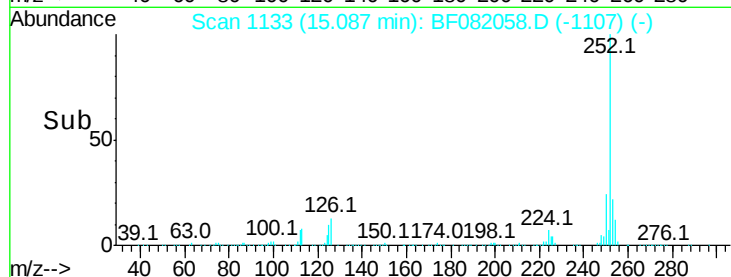
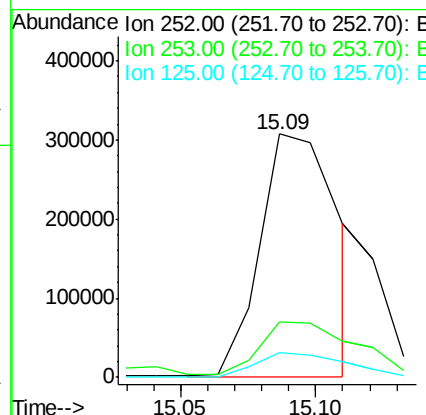
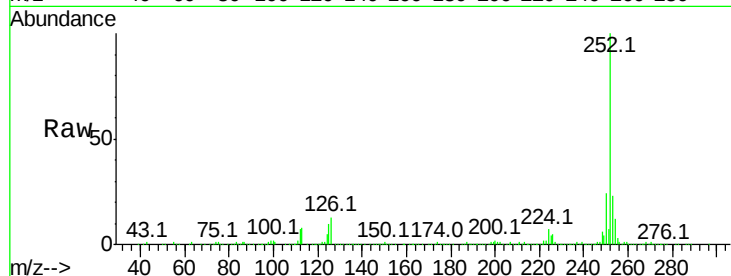
ClientSampleId :

E5WC-1(6-12)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	10.4	17.1	25.7#

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM



#88

Benzo(k)fluoranthene

Concen: 12.47 ng m

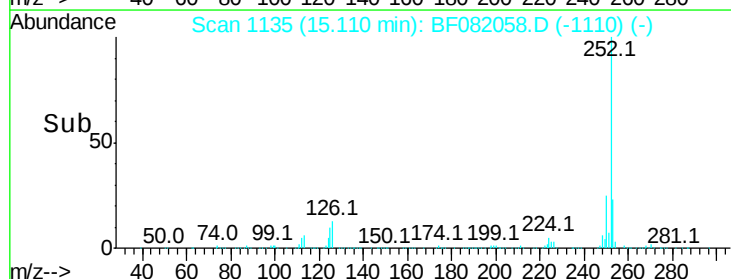
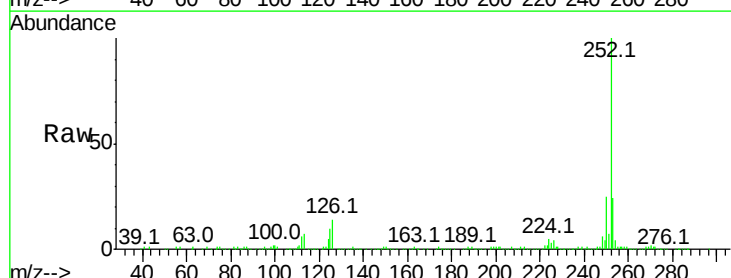
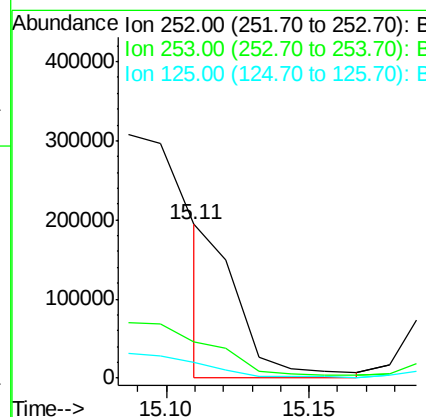
RT: 15.11 min Scan# 1135

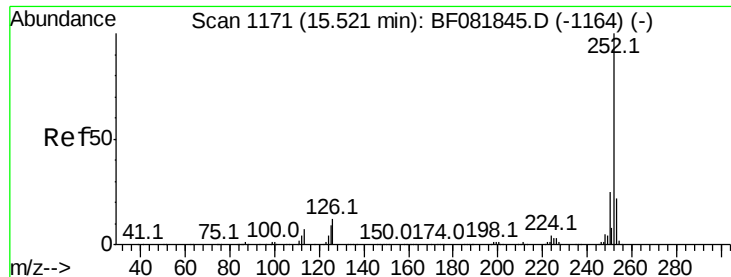
Delta R.T. -0.01 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.4
125	10.3	16.0	24.0#





#89

Benzo(a)pyrene

Concen: 36.43 ng

RT: 15.45 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Instrument :

BNA_F

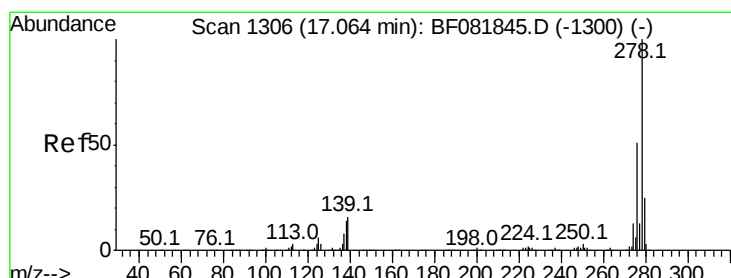
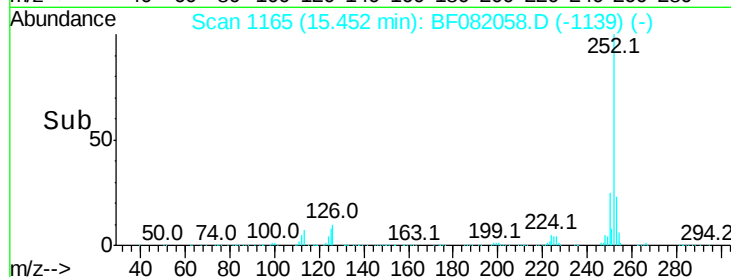
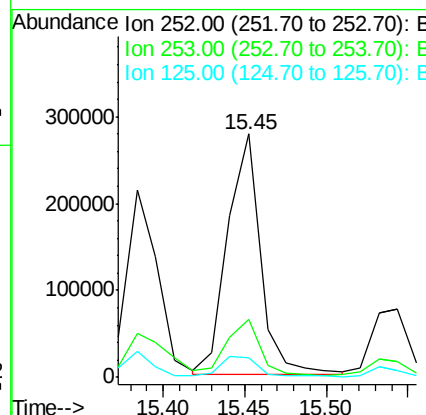
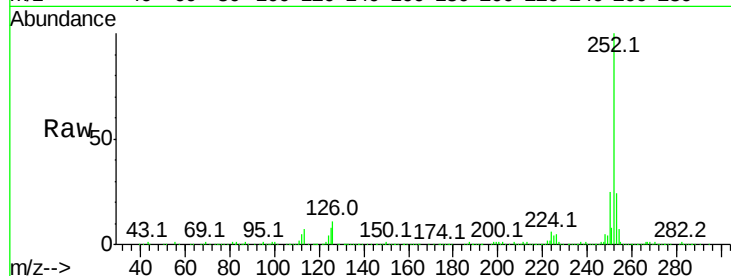
ClientSampleId :

E5WC-1(6-12)DL

Tot Ion:	252	Resp:	388367
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.2	25.8
125	8.0	18.0	27.0#

Manual Integrations
APPROVED

MMDadoda
10/6/2015 2:54:31 PM



#90

Dibenzo(a,h)anthracene

Concen: 5.88 ng m

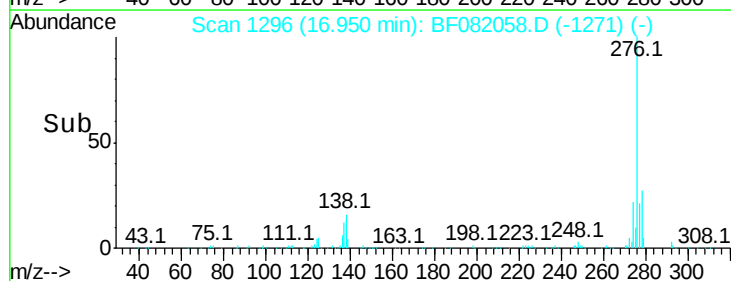
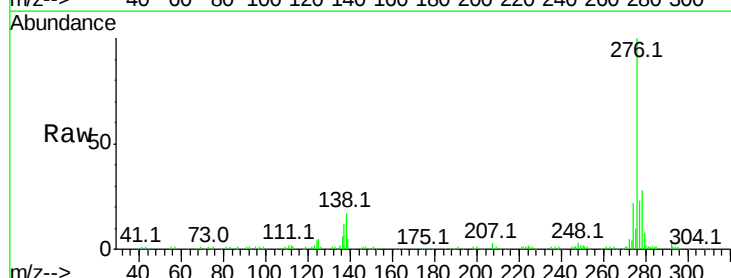
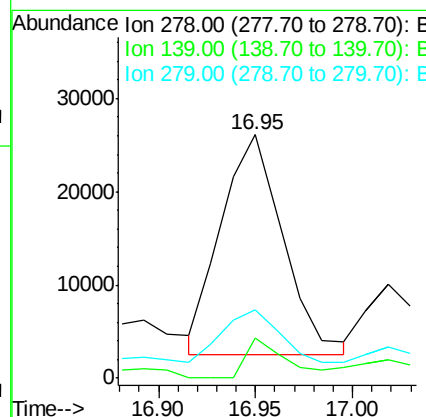
RT: 16.95 min Scan# 1296

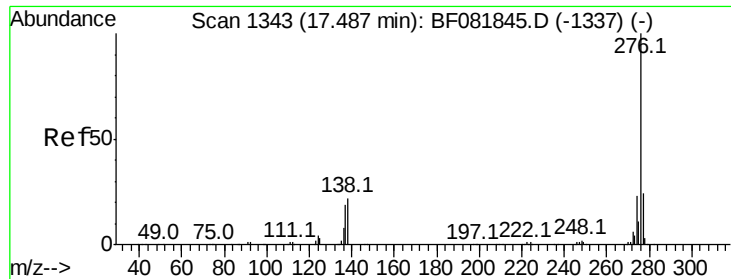
Delta R.T. -0.01 min

Lab File: BF082058.D

Acq: 5 Oct 2015 21:59

Tgt Ion:	278	Resp:	52629
Ion Ratio	Lower	Upper	
278	100		
139	16.6	26.3	39.5#
279	27.9	18.2	27.4#





#91
 Benzo(a,h,i)perylene
 Concen: 27.73 ng
 RT: 17.37 min Scan# 1333
 Delta R.T. -0.00 min
 Lab File: BF082058.D
 Acq: 5 Oct 2015 21:59

Instrument :
 BNA_F
 ClientSampleId :
 E5WC-1(6-12)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
276	100				
277	23.5	17.8	26.6		
138	20.8	34.6	51.8		

Manual Integrations
 APPROVED

MMDadoda
 10/6/2015 2:54:31 PM

