

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111115\
 Data File : BE091132.D
 Acq On : 12 Nov 2015 7:13
 Operator : UM/NP
 Sample : G4322-04
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 A4HR5

Manual Integrations
 APPROVED

Mmdadoda
 11/16/2015 12:42:18 PM

Quant Time: Nov 13 18:05:36 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 13 13:56:00 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	3668	0.40	ng/ul	0.00
4) Naphthalene-d8	9.57	136	20214	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.40	164	11435	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.12	188	29224m	0.40	ng/ul	-0.01
18) Chrysene-d12	20.28	240	38741	0.40	ng/ul	0.00
22) Perylene-d12	22.19	264	34219m	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.92	96	11334	4.30	ng/uL	-0.03
6) 2-Methylnaphthalene-d10	11.07	152	3065	0.11	ng/ul	0.00
16) Fluoranthene-d10	18.12	212	6959	0.08	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	9.61	128	3524	0.07	ng/ul#	92
9) Acenaphthylene	13.15	152	4573	0.08	ng/ul	97
10) Acenaphthene	13.46	153	1309	0.03	ng/ul	88
11) Fluorene	14.45	166	1695	0.03	ng/ul#	90
14) Phenanthrene	16.16	178	194534	0.58	ng/ul	98
15) Anthracene	16.25	178	39005m	0.13	ng/ul	
17) Fluoranthene	18.15	202	440317	1.11	ng/ul	88
19) Pyrene	18.53	202	416714	0.95	ng/ul#	80
20) Benzo(a)anthracene	20.26	228	40736	0.41	ng/ul	96
21) Chrysene	20.31	228	56590	0.49	ng/ul	97
23) Benzo(b)fluoranthene	21.62	252	47735	0.45	ng/ul	94
24) Benzo(k)fluoranthene	21.65	252	49718	0.45	ng/ul	96
25) Benzo(a)pyrene	22.09	252	50733	0.52	ng/ul	92
26) Indeno(1,2,3-cd)pyrene	23.83	276	135596m	0.33	ng/ul	
27) Dibenzo(a,h)anthracene	23.78	278	7560	0.08	ng/ul#	73
28) Benzo(a,h,i)perylene	24.39	276	134067	0.31	ng/ul	98

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

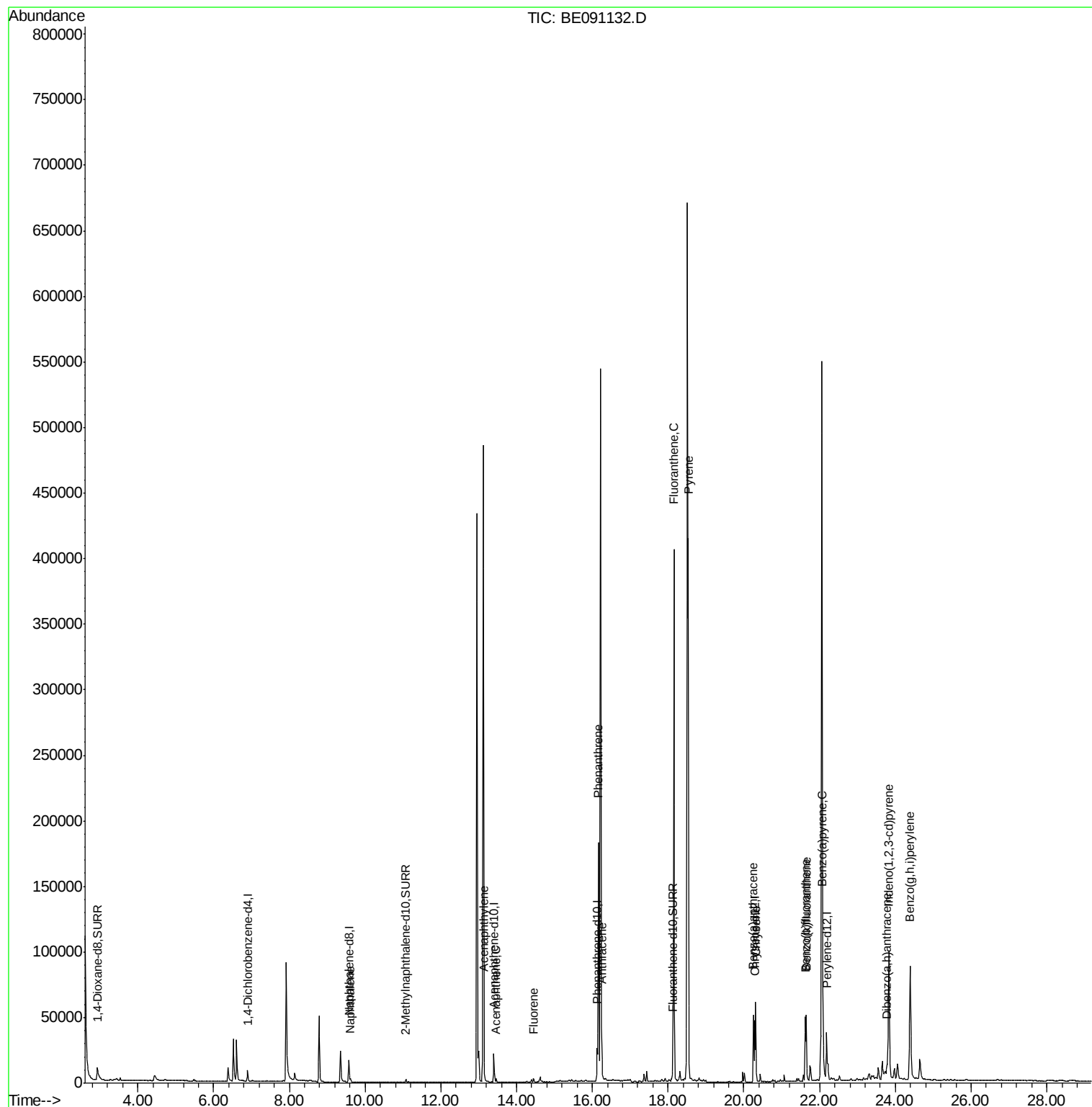
Data Path : Z:\HPCHEM1\BNA E\DATA\BE111115\
Data File : BE091132.D
Acq On : 12 Nov 2015 7:13
Operator : UM/NP
Sample : G4322-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

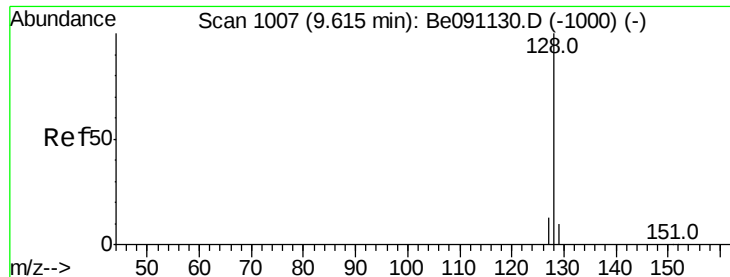
Instrument :
BNA_E
ClientSampleId :
A4HR5

Manual Integrations
APPROVED

Mmdadoda
11/16/2015 12:42:18 PM

Quant Time: Nov 13 18:05:36 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\SOM02.2-EPA-SIM-BE102715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 13 13:56:00 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 0.07 ng/ul

RT: 9.61 min Scan# 1007

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

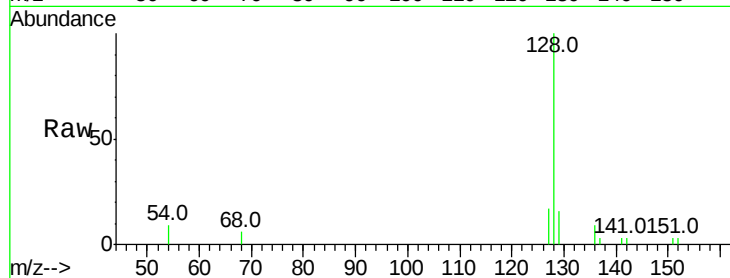
ClientSampleId :

A4HR5

Tot Ion:	128	Resp:	3524
Ion Ratio	Lower	Upper	
128	100		
129	15.8	9.8	14.8#
127	16.6	10.7	16.1#

Manual Integrations
APPROVED

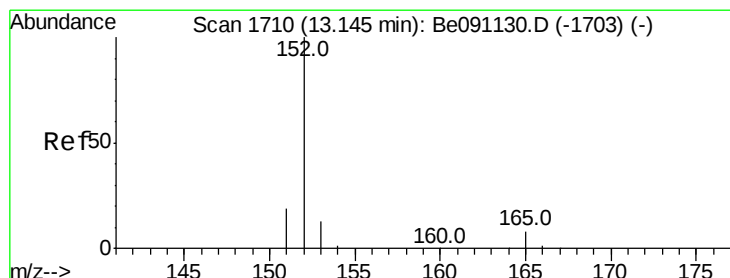
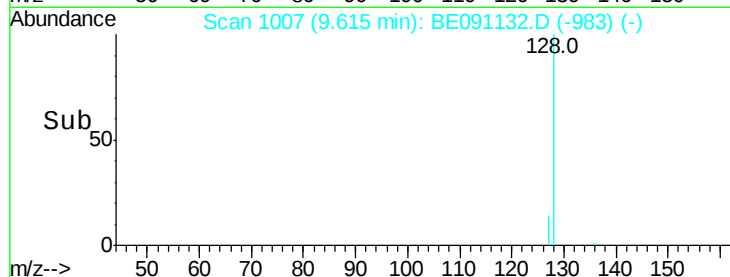
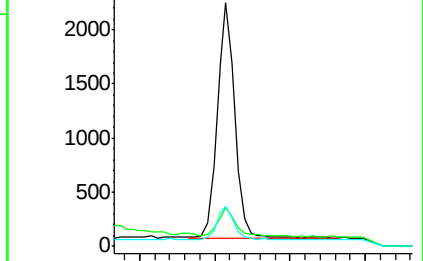
Mmdadoda
11/16/2015 12:42:18 PM



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 13.15 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE091132.D

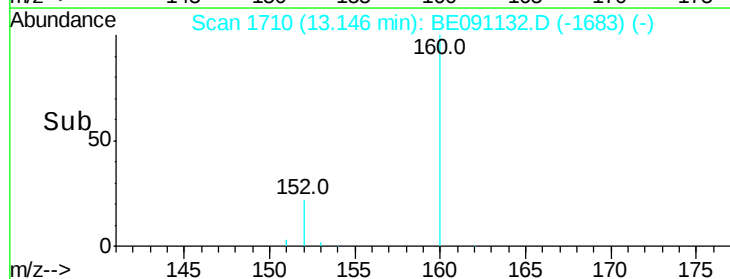
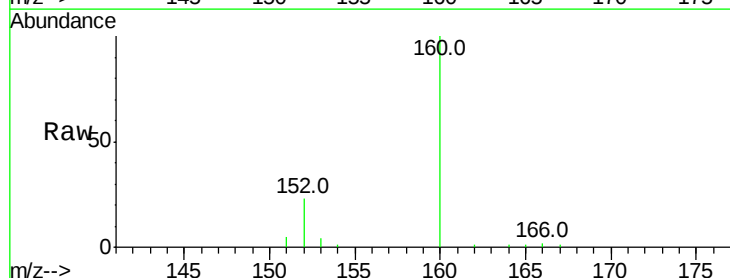
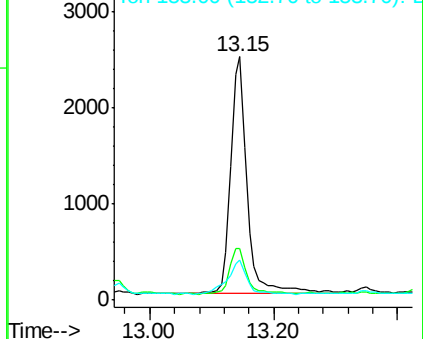
Acq: 12 Nov 2015 7:13

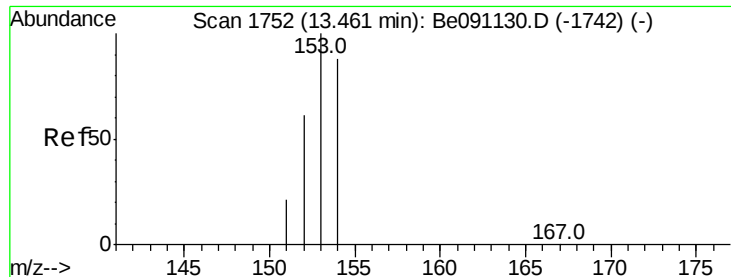
Tgt Ion:	152	Resp:	4573
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.8	25.2
153	16.3	11.3	16.9

Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.03 ng/ul

RT: 13.46 min Scan# 1752

Delta R.T. 0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

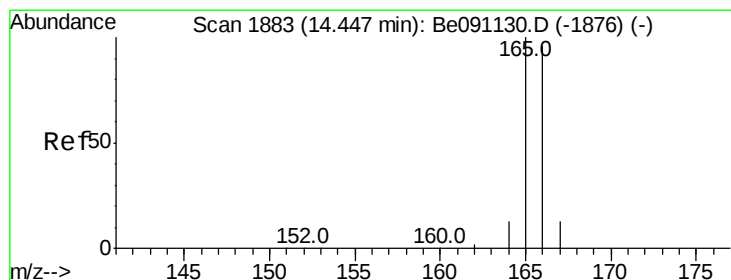
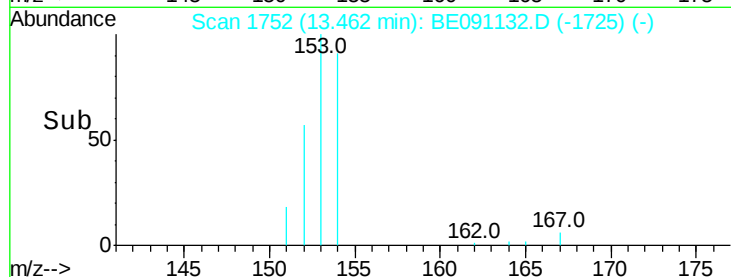
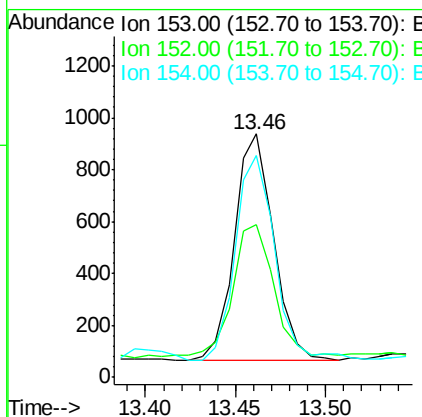
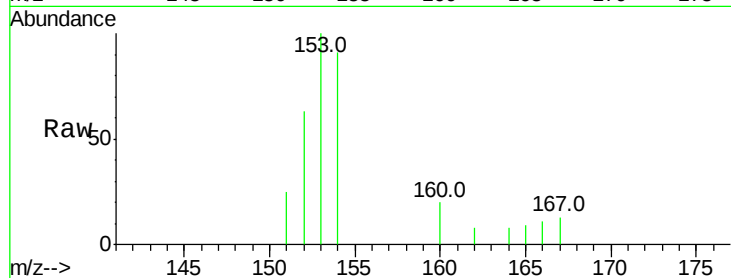
ClientSampleId :

A4HR5

Tot Ion:	153	Resp:	1309
Ion Ratio	Lower	Upper	
153	100		
152	62.6	42.3	63.5
154	91.2	64.7	97.1

Manual Integrations
APPROVED

Mmdadoda
11/16/2015 12:42:18 PM



#11

Fluorene

Concen: 0.03 ng/ul

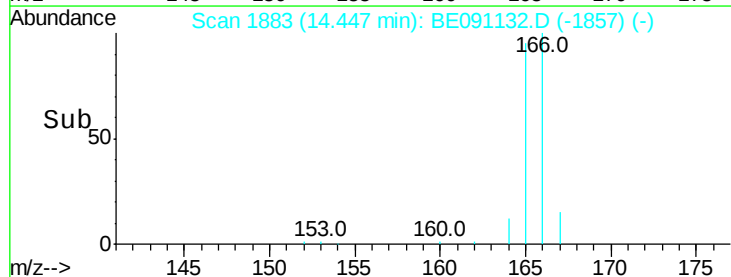
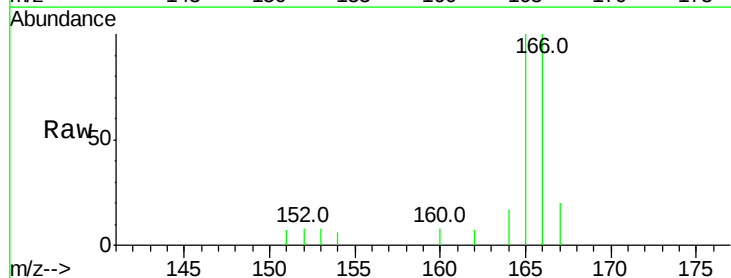
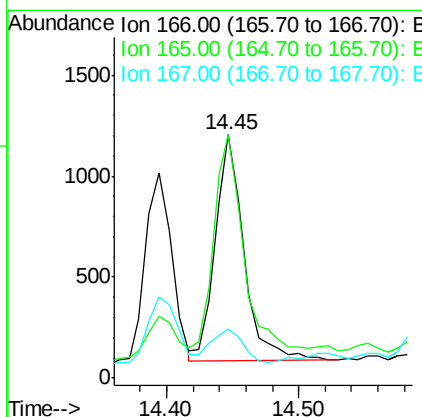
RT: 14.45 min Scan# 1883

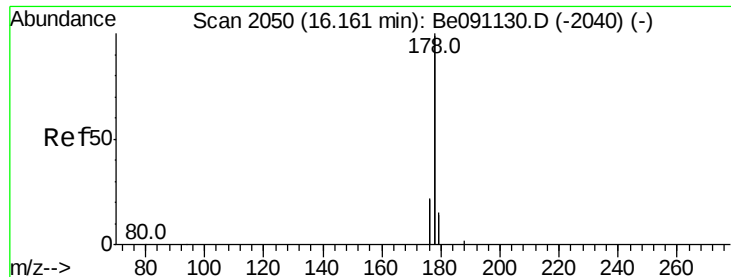
Delta R.T. -0.01 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Tgt Ion:	166	Resp:	1695
Ion Ratio	Lower	Upper	
166	100		
165	100.1	87.6	131.4
167	20.2	11.1	16.7#





#14

Phenanthrene

Concen: 0.58 ng/ul

RT: 16.16 min Scan# 2050

Delta R.T. -0.01 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

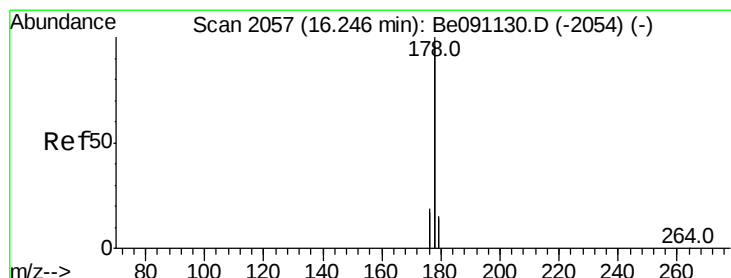
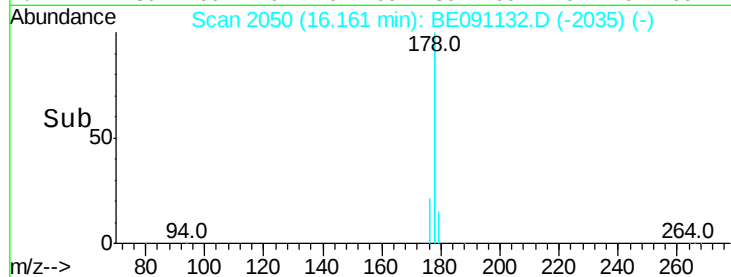
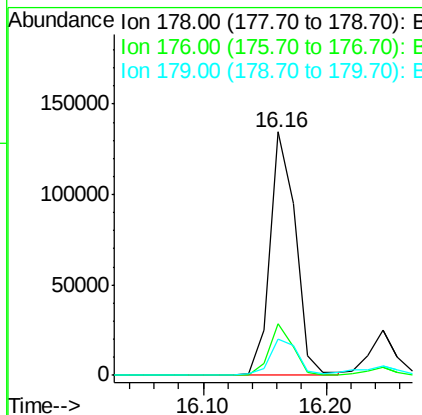
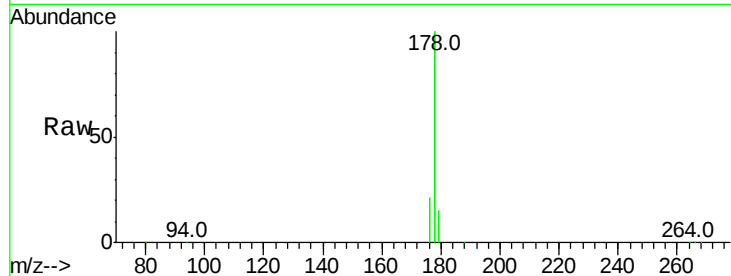
ClientSampleId :

A4HR5

Tot Ion:	178	Resp:	194534
Ion Ratio	Lower	Upper	
178	100		
176	21.0	16.2	24.4
179	14.7	12.8	19.2

Manual Integrations
APPROVED

Mmdadoda
11/16/2015 12:42:18 PM



#15

Anthracene

Concen: 0.13 ng/ul m

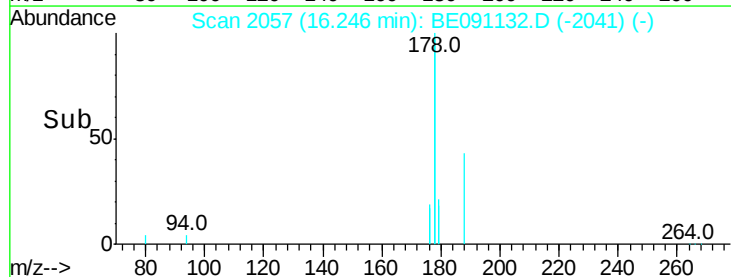
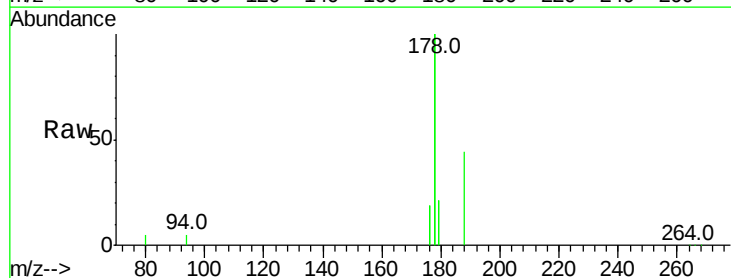
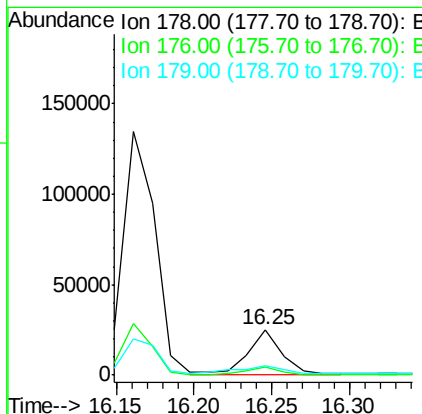
RT: 16.25 min Scan# 2057

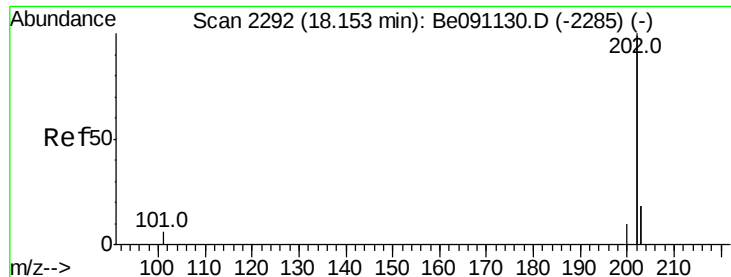
Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Tgt Ion:	178	Resp:	39005
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.8	23.8
179	21.1	13.3	19.9#





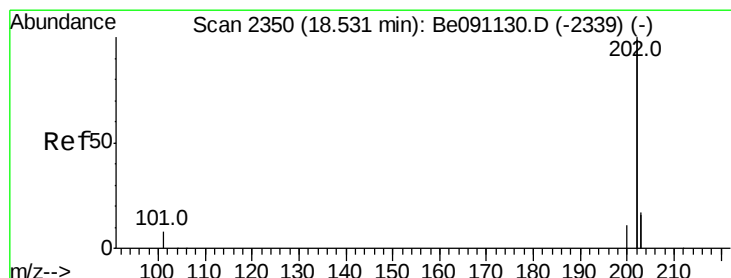
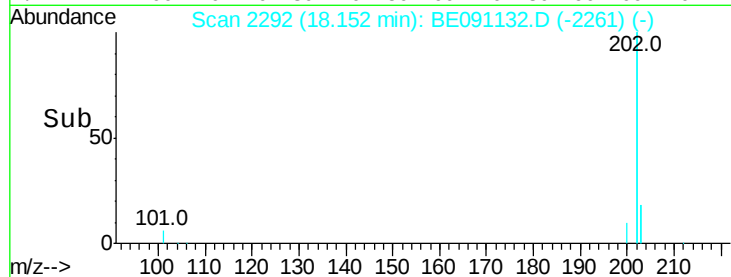
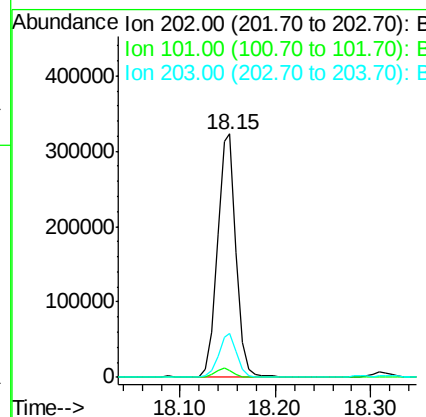
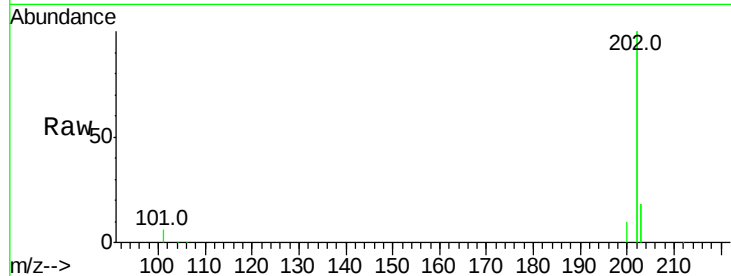
#17
Fluoranthene
 Concen: 1.11 ng/ul
 RT: 18.15 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BE091132.D
 Acq: 12 Nov 2015 7:13

Instrument :
 BNA_E
 ClientSampleId :
 A4HR5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	3.0	0.0	33.1
203	18.2	0.0	37.2

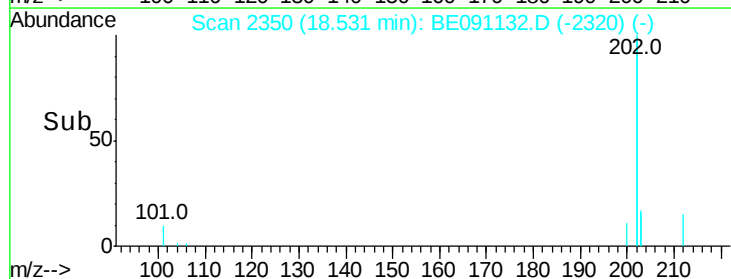
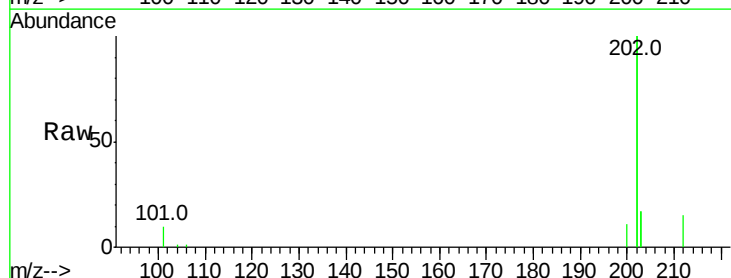
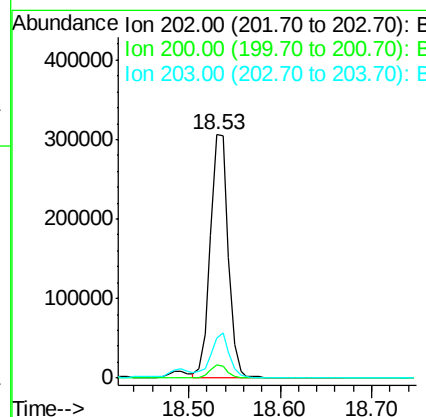
Manual Integrations
 APPROVED

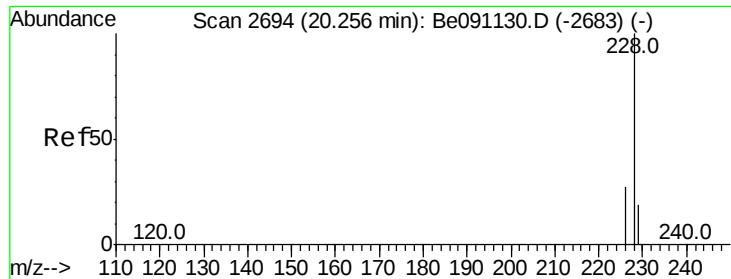
Mmdadoda
 11/16/2015 12:42:18 PM



#19
Pyrene
 Concen: 0.95 ng/ul
 RT: 18.53 min Scan# 2350
 Delta R.T. -0.01 min
 Lab File: BE091132.D
 Acq: 12 Nov 2015 7:13

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	5.7	18.0	27.0#
203	16.7	13.8	20.6





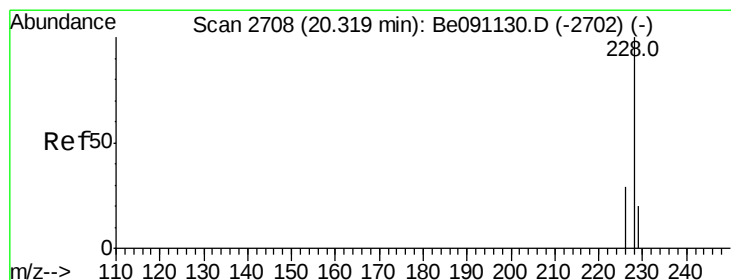
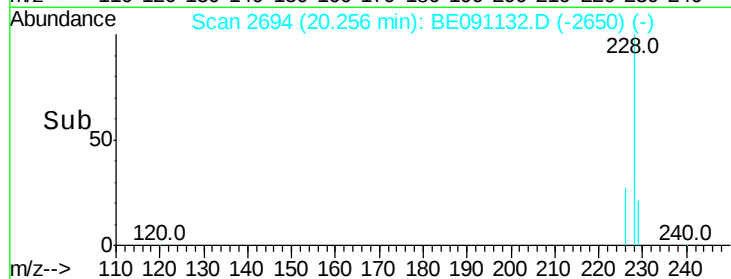
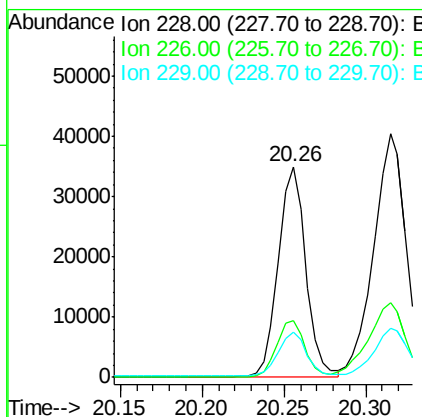
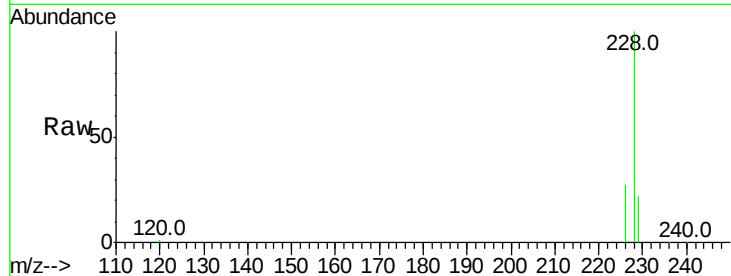
#20
Benzo(a)anthracene
Concen: 0.41 ng/ul
RT: 20.26 min Scan# 2694
Delta R.T. -0.00 min
Lab File: BE091132.D
Acq: 12 Nov 2015 7:13

Instrument :
BNA_E
ClientSampleId :
A4HR5

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.0	34.4
229	21.6	15.2	22.8

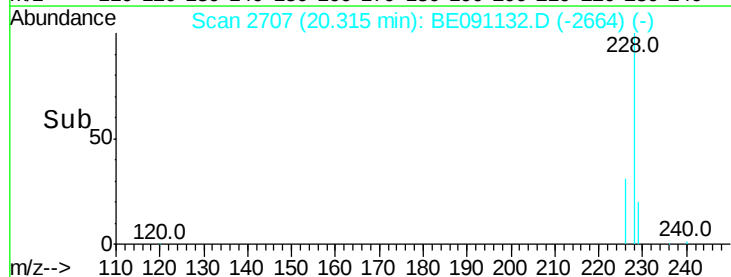
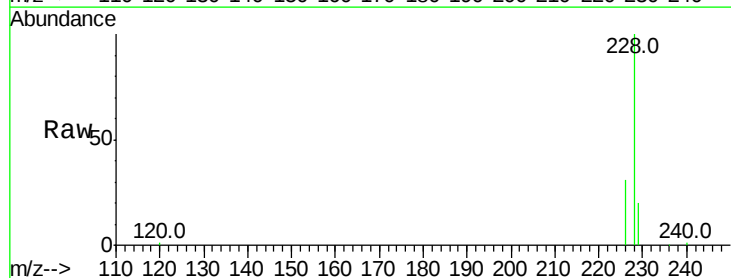
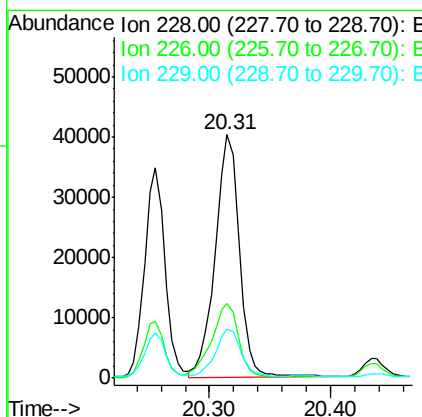
Manual Integrations
APPROVED

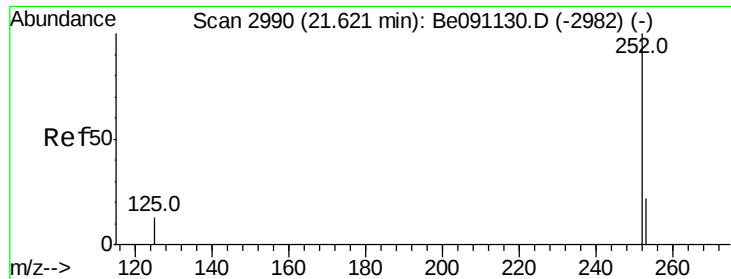
Mmdadoda
11/16/2015 12:42:18 PM



#21
Chrysene
Concen: 0.49 ng/ul
RT: 20.31 min Scan# 2707
Delta R.T. -0.00 min
Lab File: BE091132.D
Acq: 12 Nov 2015 7:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.7	38.5
229	20.4	15.2	22.8





#23

Benzo(b)fluoranthene

Concen: 0.45 ng/ul

RT: 21.62 min Scan# 2990

Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Instrument :

BNA_E

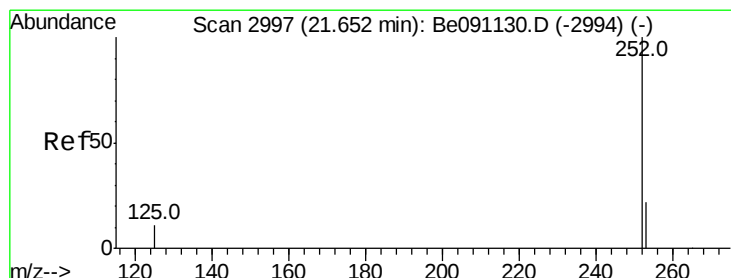
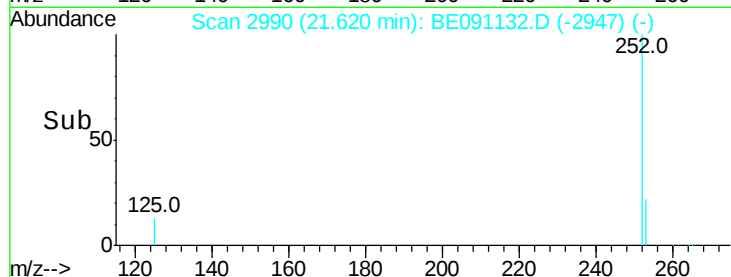
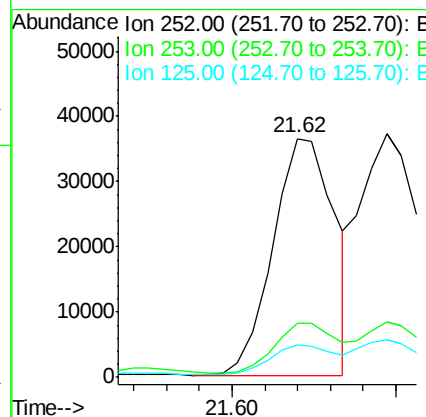
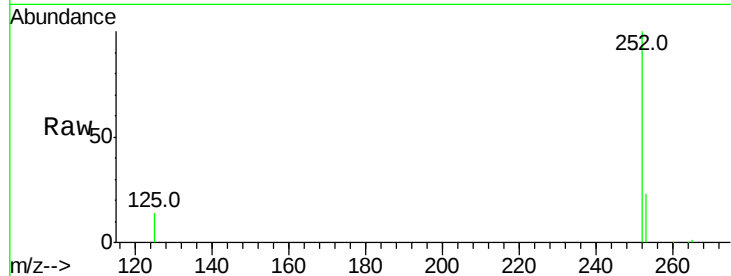
ClientSampleId :

A4HR5

Manual Integrations
APPROVED

Mmdadoda
11/16/2015 12:42:18 PM

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	0.0	48.0
125	13.5	0.0	36.6



#24

Benzo(k)fluoranthene

Concen: 0.45 ng/ul

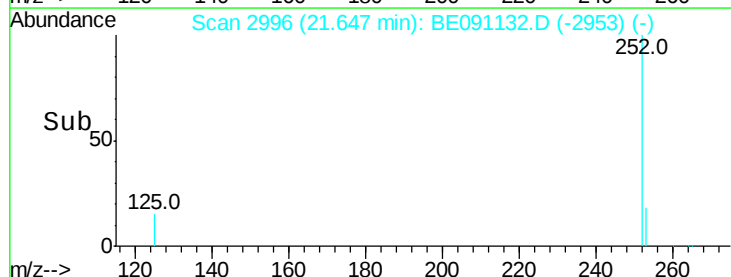
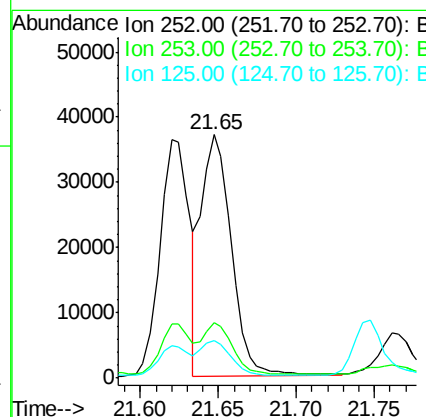
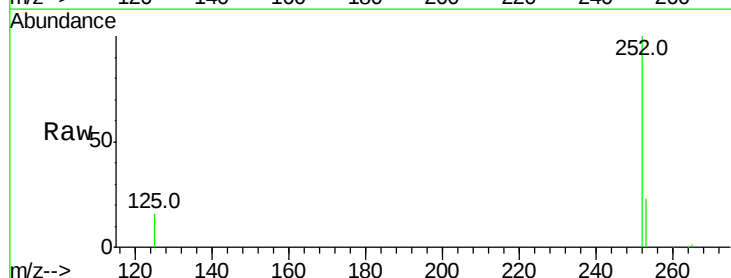
RT: 21.65 min Scan# 2996

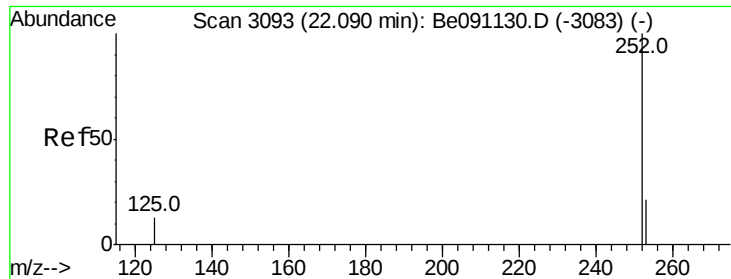
Delta R.T. -0.00 min

Lab File: BE091132.D

Acq: 12 Nov 2015 7:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.8	31.2
125	15.5	12.2	18.4





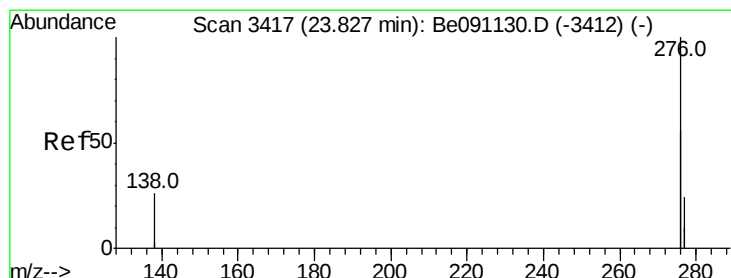
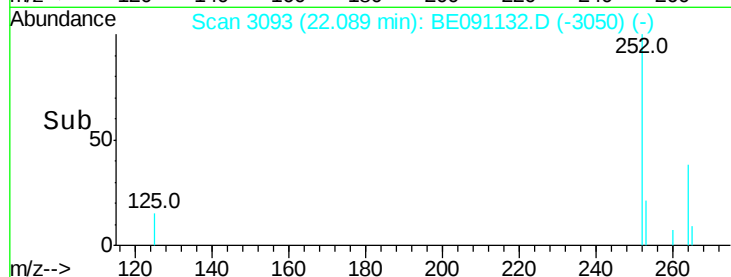
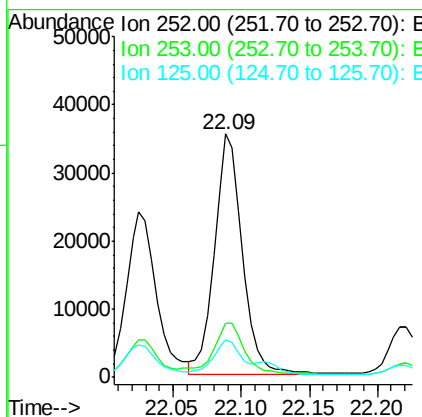
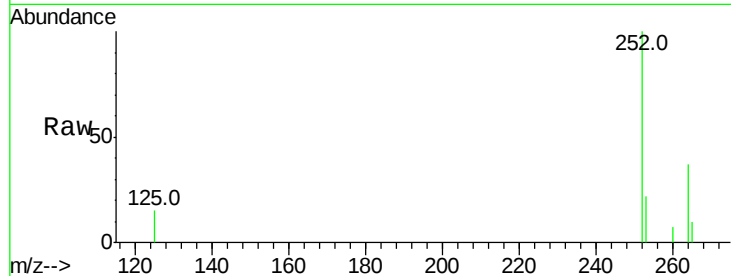
#25
Benzo(a)pyrene
Concen: 0.52 ng/ul
RT: 22.09 min Scan# 3093
Delta R.T. -0.00 min
Lab File: BE091132.D
Acq: 12 Nov 2015 7:13

Instrument :
BNA_E
ClientSampleId :
A4HR5

Tot Ion:	252	Resp:	50733
Ion Ratio	Lower	Upper	
252	100		
253	22.3	21.8	32.8
125	15.4	14.5	21.7

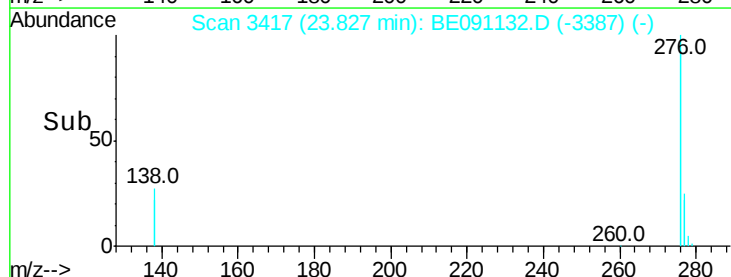
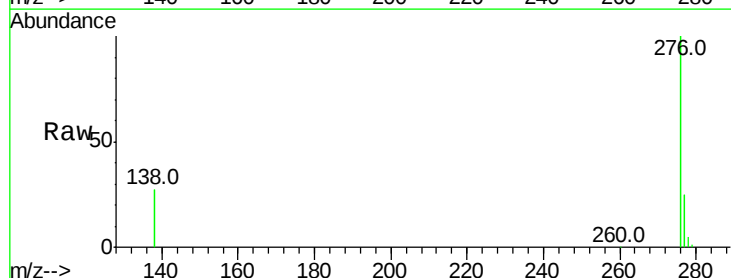
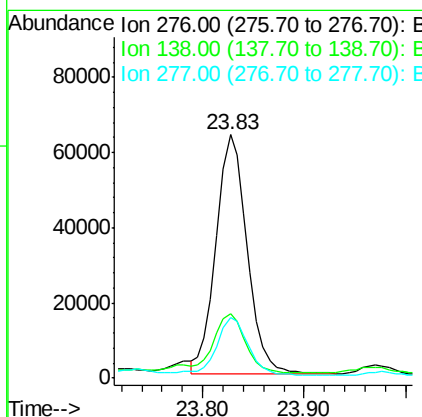
Manual Integrations
APPROVED

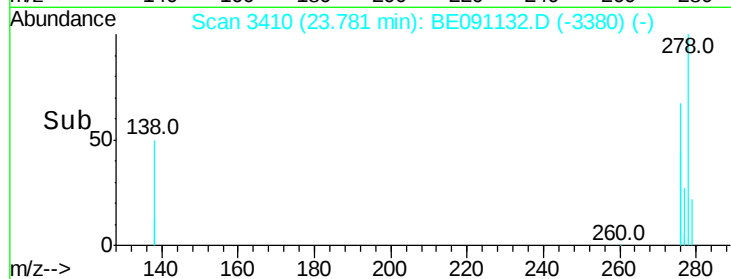
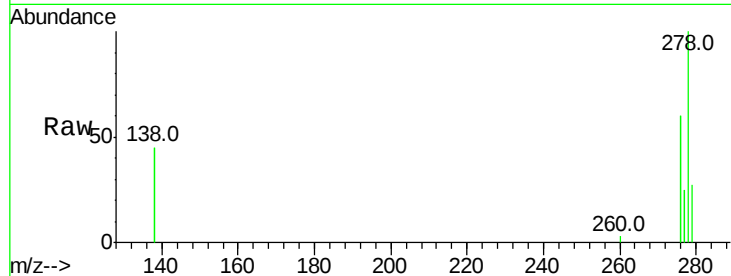
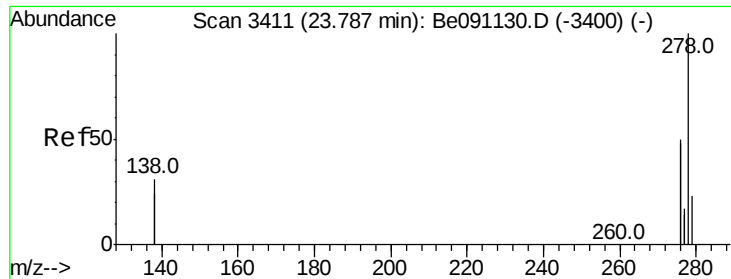
Mmdadoda
11/16/2015 12:42:18 PM



#26
Indeno(1,2,3-cd)pyrene
Concen: 0.33 ng/ul m
RT: 23.83 min Scan# 3417
Delta R.T. -0.01 min
Lab File: BE091132.D
Acq: 12 Nov 2015 7:13

Tgt Ion:	276	Resp:	135596
Ion Ratio	Lower	Upper	
276	100		
138	26.9	27.5	41.3#
277	24.9	19.3	28.9





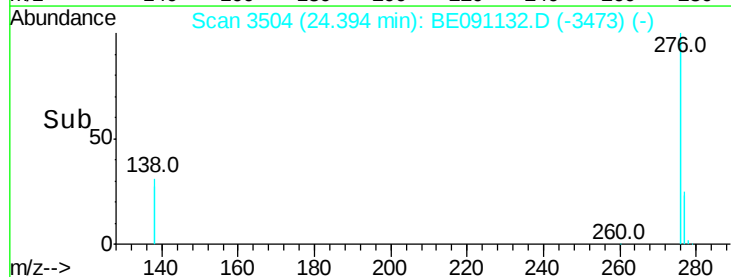
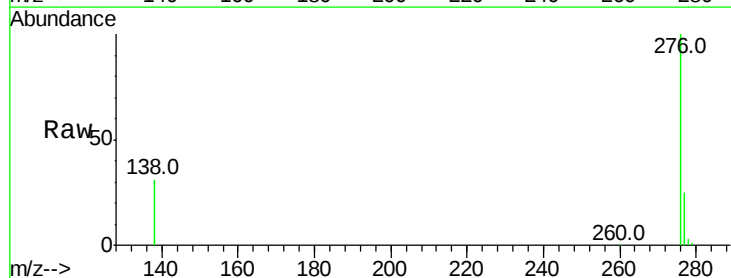
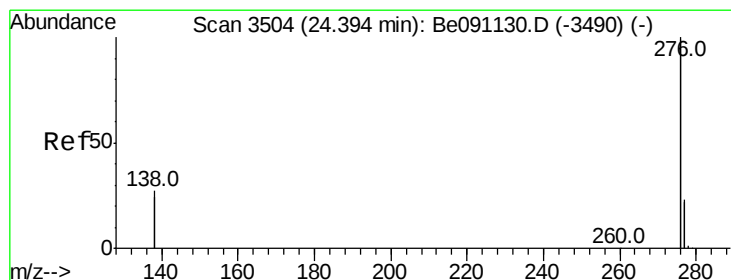
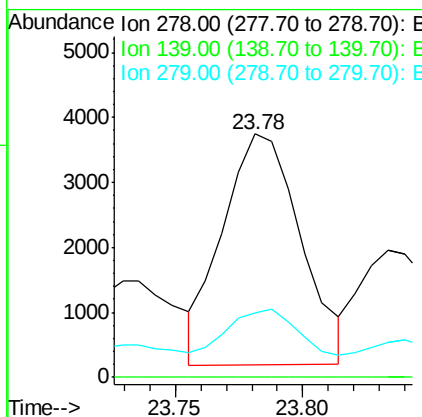
#27
Dibenzo(a,h)anthracene
Concen: 0.08 ng/ul
RT: 23.78 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BE091132.D
Acq: 12 Nov 2015 7:13

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	21.7	32.5#
279	26.6	21.9	32.9

Instrument :
BNA_E
ClientSampleId :
A4HR5

Manual Integrations
APPROVED

Mmdadoda
11/16/2015 12:42:18 PM



#28
Benzo(g,h,i)perylene
Concen: 0.31 ng/ul
RT: 24.39 min Scan# 3504
Delta R.T. -0.00 min
Lab File: BE091132.D
Acq: 12 Nov 2015 7:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	21.3	31.9
138	31.1	25.5	38.3

