

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072215\
 Data File : BE090213.D
 Acq On : 21 Jul 2015 23:29
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Manual Integrations
 APPROVED

apatel
 7/22/2015 3:26:04 PM

Quant Time: Jul 22 05:26:19 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 22 04:13:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	805	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3941	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2414	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	6336	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	3708	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	2099	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2187	0.35	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	6376	0.35	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.42	128	531	0.05	ng/ul#	70
5) 2-Methylnaphthalene	12.03	142	375	0.05	ng/ul	98
7) Acenaphthylene	13.93	152	2633	0.05	ng/ul#	82
8) Acenaphthene	14.27	153	1852	0.05	ng/ul	92
9) Fluorene	15.27	166	605	0.05	ng/ul#	93
12) Phenanthrene	16.99	178	3733	0.05	ng/ul#	86
13) Anthracene	17.07	178	3863	0.06	ng/ul#	79
15) Fluoranthene	19.00	202	4467	0.05	ng/ul	87
17) Pyrene	19.37	202	4563	0.07	ng/ul#	84
18) Benzo(a)anthracene	21.10	228	234	0.04	ng/ul#	68
19) Chrysene	21.15	228	826m	0.05	ng/ul	
21) Benzo(b)fluoranthene	22.73	252	131	0.05	ng/ul#	18
22) Benzo(k)fluoranthene	22.77	252	299m	0.04	ng/ul	
23) Benzo(a)pyrene	23.32	252	172	0.04	ng/ul#	17
24) Indeno(1,2,3-cd)pyrene	25.83	276	513	0.04	ng/ul	95
25) Dibenzo(a,h)anthracene	25.85	278	78	0.04	ng/ul#	24
26) Benzo(g,h,i)perylene	26.55	276	627	0.04	ng/ul#	25

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

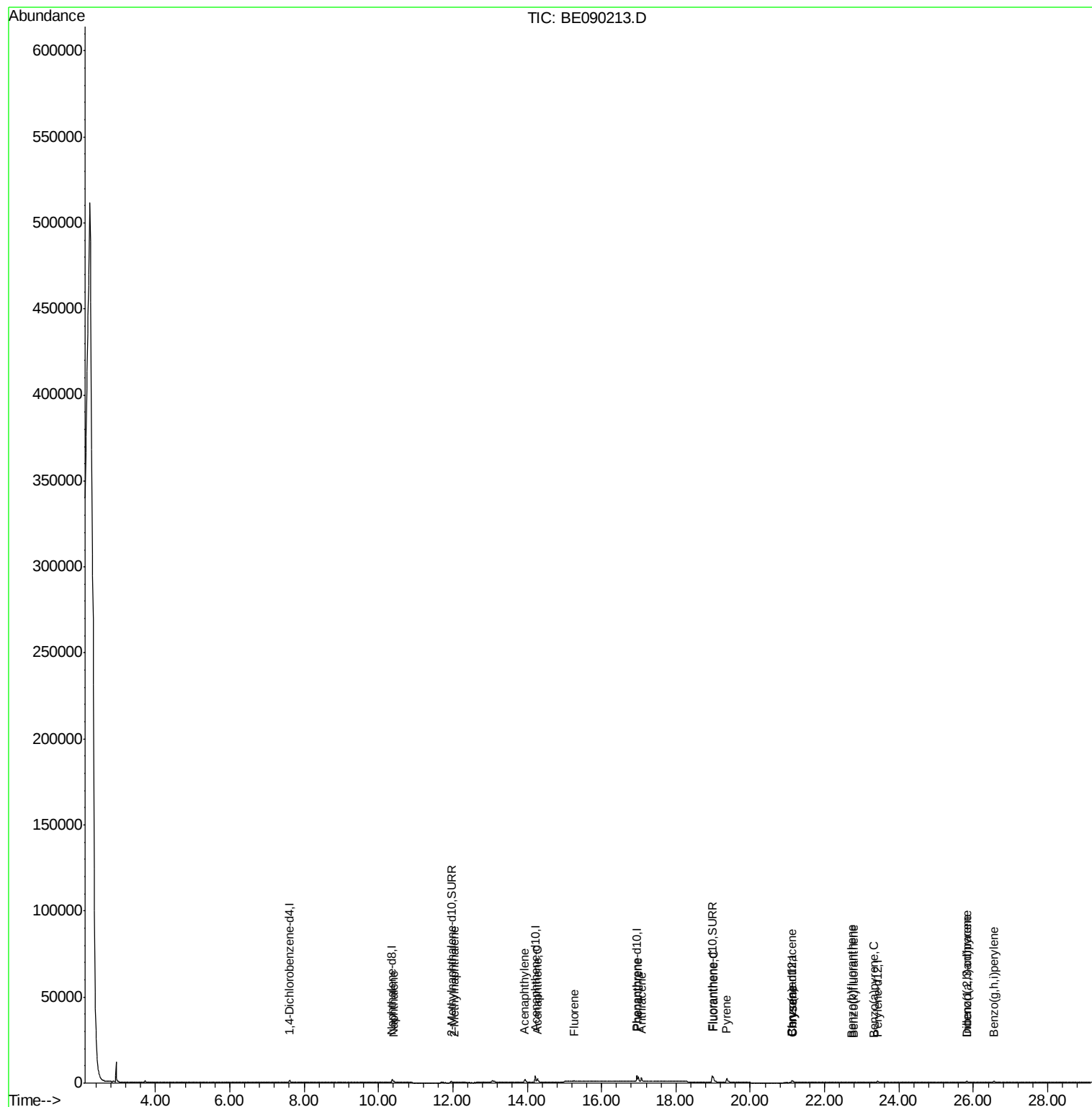
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072215\
Data File : BE090213.D
Acq On : 21 Jul 2015 23:29
Operator : TP/IZ
Sample : MDL-04-S
Misc : MDL-SIM-SOIL-0.07PPM
ALS Vial : 12 Sample Multiplier: 1

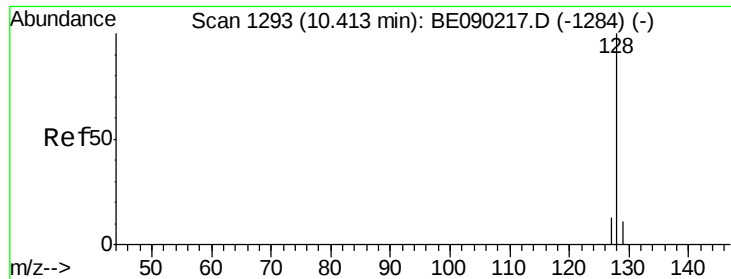
Instrument :
BNA_E
ClientSampleId :
MDL-04-S

Manual Integrations
APPROVED

apatel
7/22/2015 3:26:04 PM

Quant Time: Jul 22 05:26:19 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 22 04:13:39 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.05 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

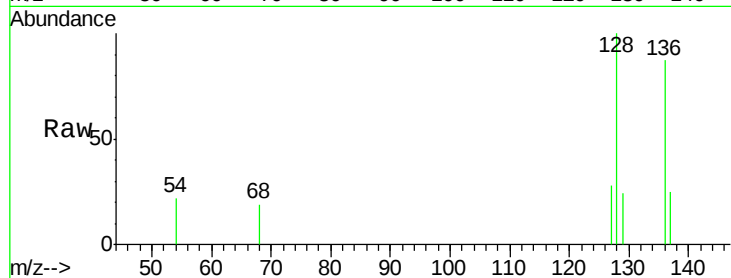
ClientSampleId :

MDL-04-S

Tgt Ion	Ratio	Lower	Upper
128	100		
129	23.8	10.2	15.2#
127	27.8	11.8	17.6#

Manual Integrations
APPROVED

apatel
7/22/2015 3:26:04 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

10.42

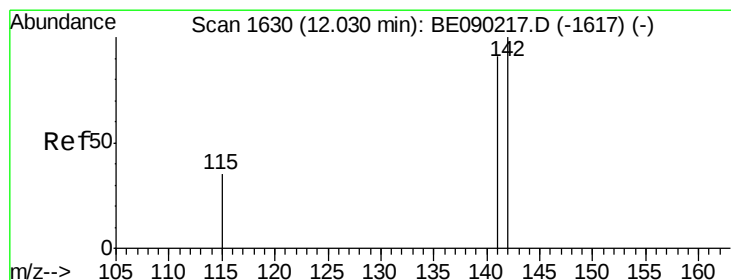
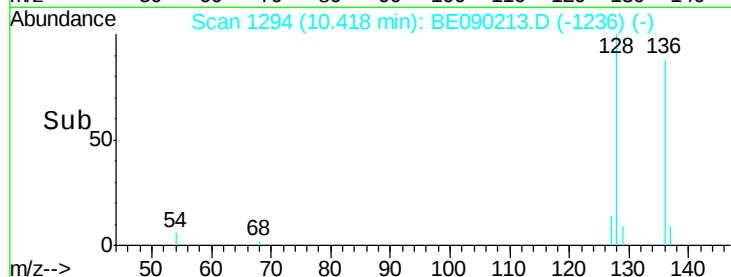
300

200

100

0

Time--> 10.30 10.40 10.50



#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

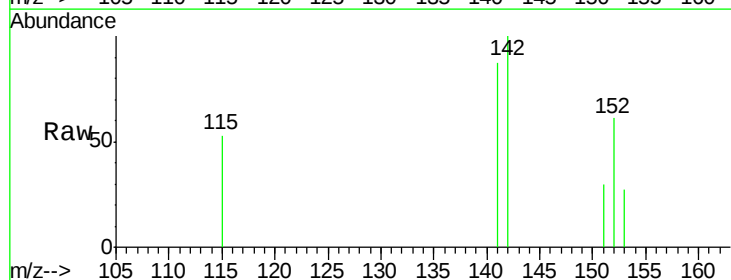
RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	73.0	109.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.03

200

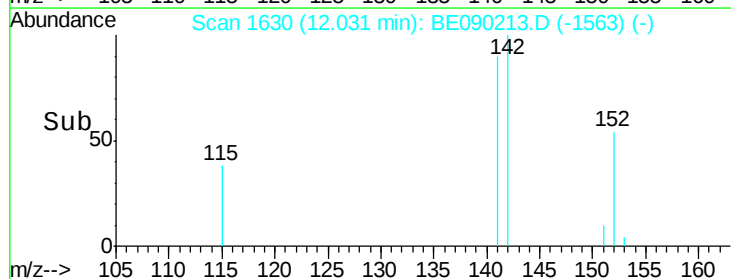
150

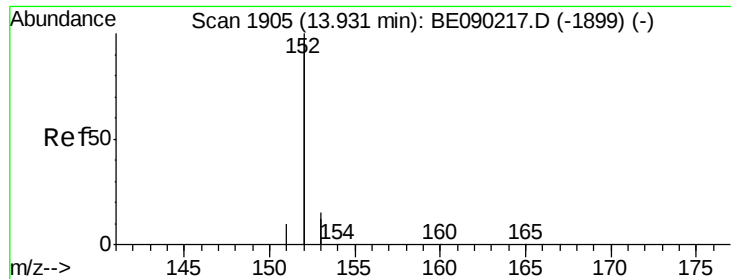
100

50

0

Time--> 11.90 12.00 12.10 12.20





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

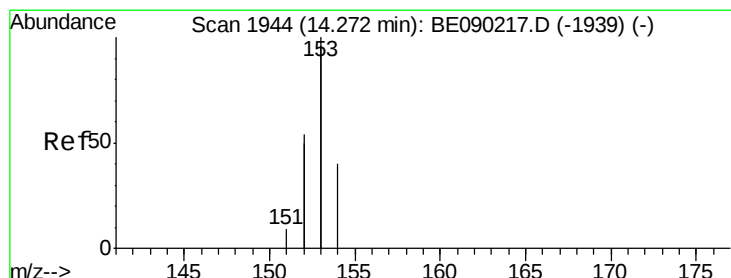
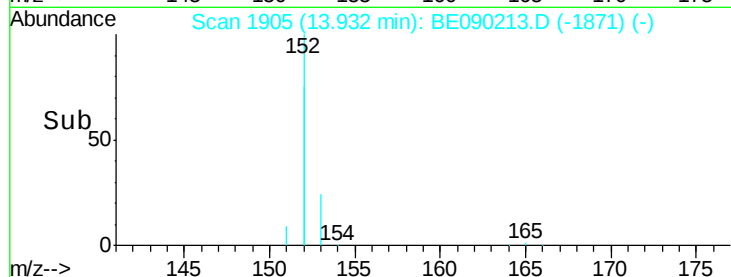
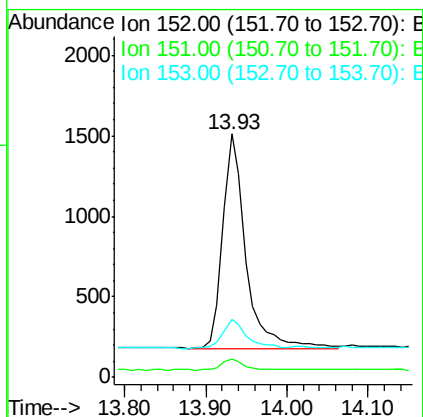
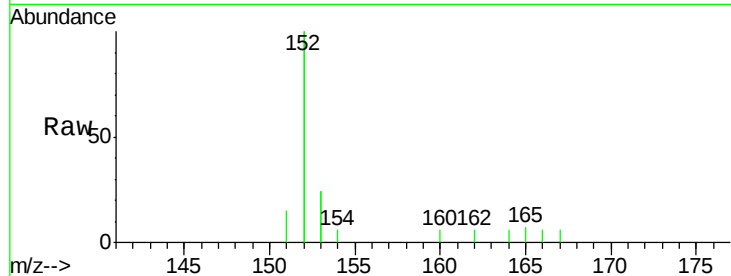
ClientSampleId :

MDL-04-S

Tgt Ion:	152	Resp:	2633
Ion Ratio	Lower	Upper	
152	100		
151	7.7	4.2	6.4#
153	23.7	11.5	17.3#

Manual Integrations
APPROVED

apatel
7/22/2015 3:26:04 PM



#8

Acenaphthene

Concen: 0.05 ng/ul

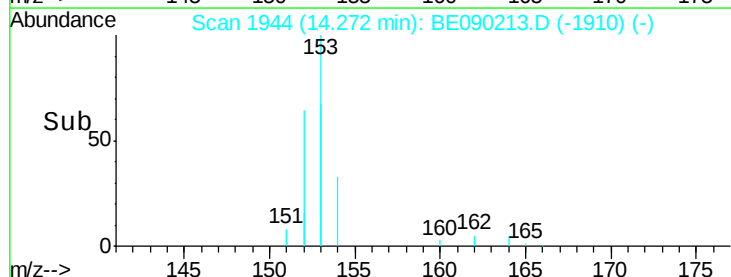
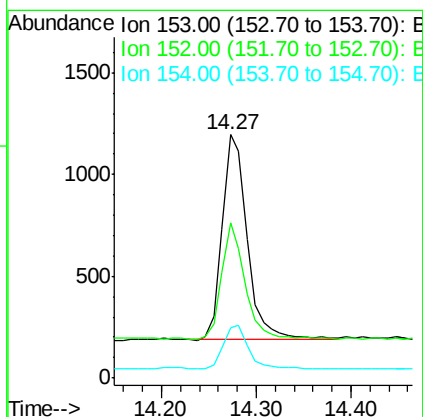
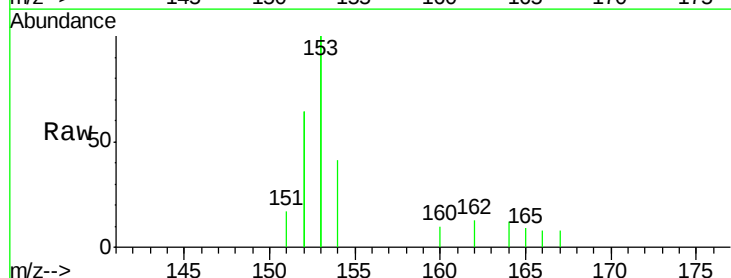
RT: 14.27 min Scan# 1944

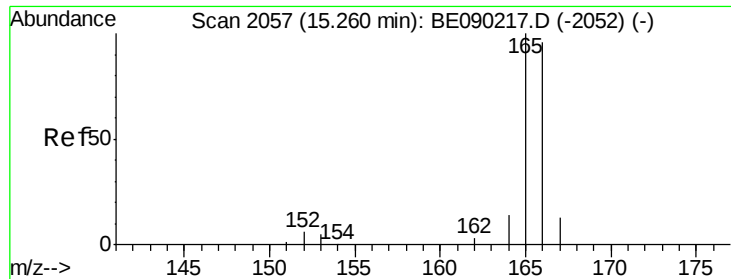
Delta R.T. -0.00 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Tgt Ion:	153	Resp:	1852
Ion Ratio	Lower	Upper	
153	100		
152	63.5	45.0	67.4
154	20.5	16.8	25.2





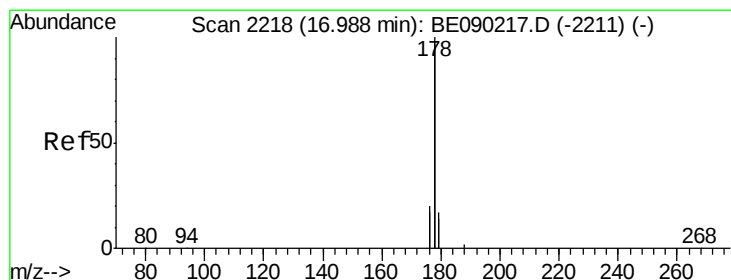
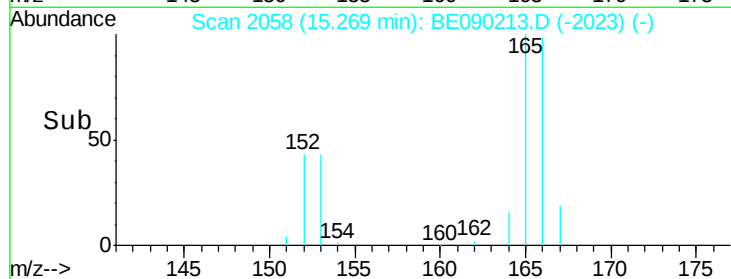
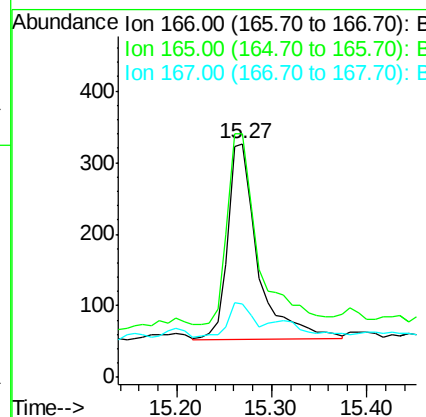
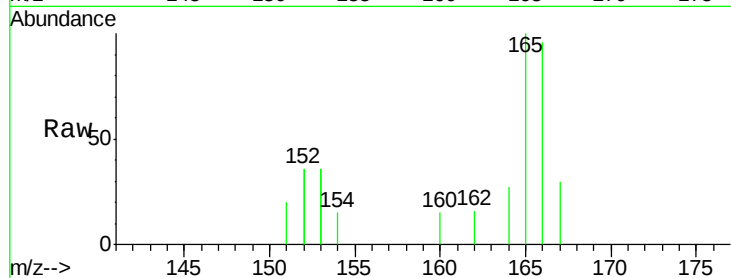
#9
Fluorene
 Concen: 0.05 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090213.D
 Acq: 21 Jul 2015 23:29

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Lower	Upper
166	100		
165	104.3	81.9	122.9
167	31.3	12.2	18.2

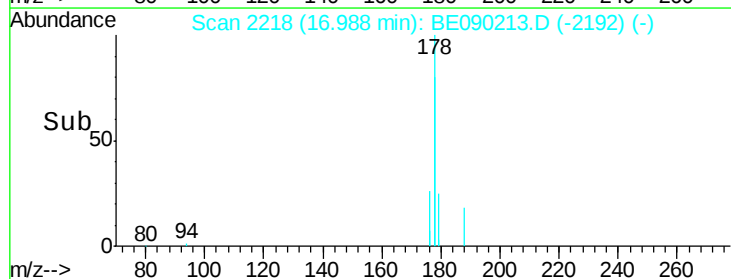
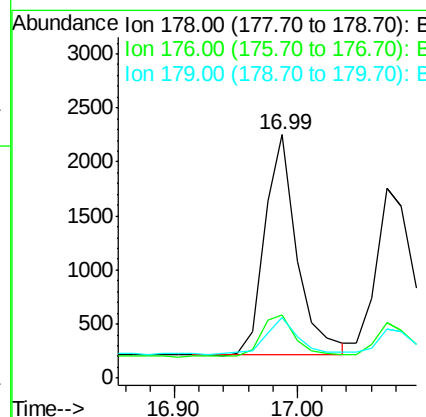
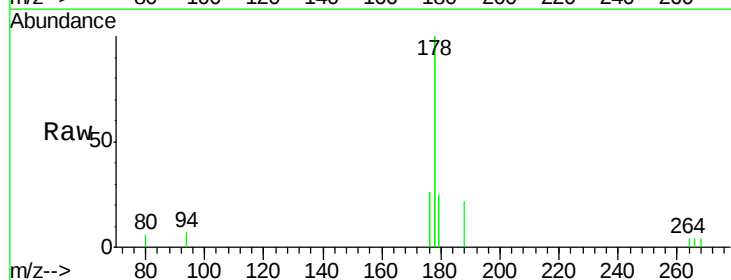
Manual Integrations
 APPROVED

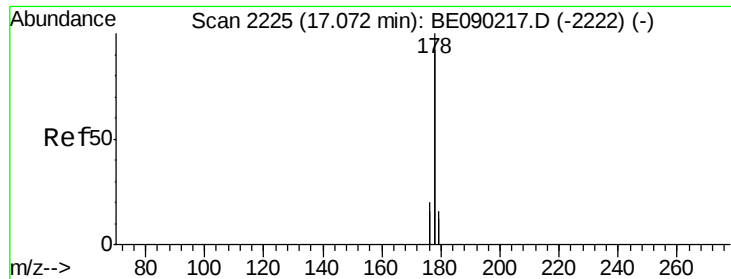
apatel
 7/22/2015 3:26:04 PM



#12
Phenanthrene
 Concen: 0.05 ng/ul
 RT: 16.99 min Scan# 2218
 Delta R.T. 0.01 min
 Lab File: BE090213.D
 Acq: 21 Jul 2015 23:29

Tgt Ion	Ratio	Lower	Upper
178	100		
176	26.0	17.6	26.4
179	24.7	12.2	18.4





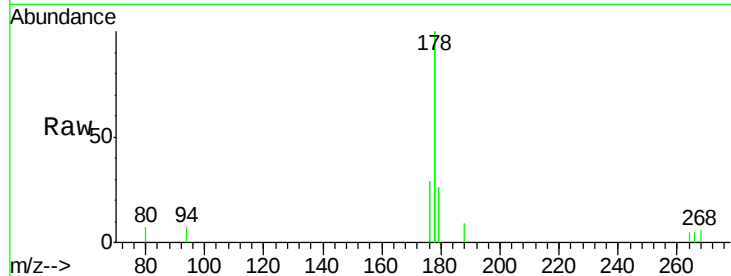
#13
 Anthracene
 Concen: 0.06 ng/ul
 RT: 17.07 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE090213.D
 Acq: 21 Jul 2015 23:29

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

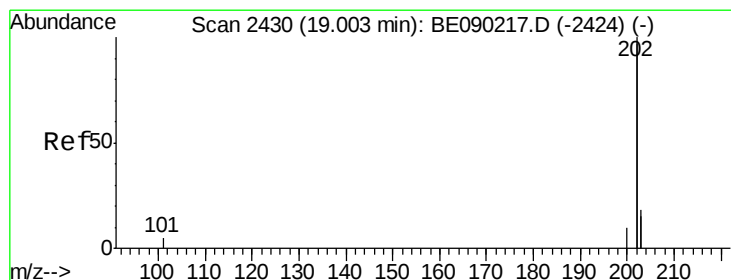
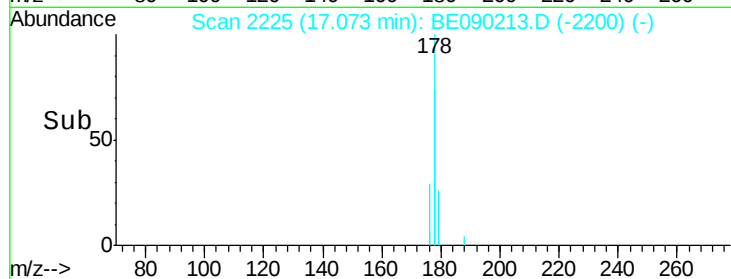
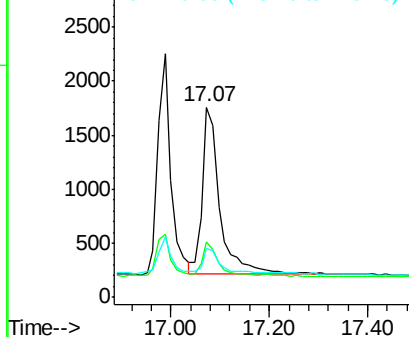
Tgt Ion	Ratio	Lower	Upper
178	100		
176	29.4	15.9	23.9#
179	25.5	13.3	19.9#

Manual Integrations
 APPROVED

apatel
 7/22/2015 3:26:04 PM



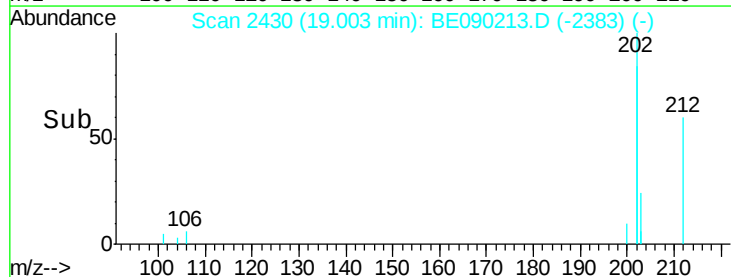
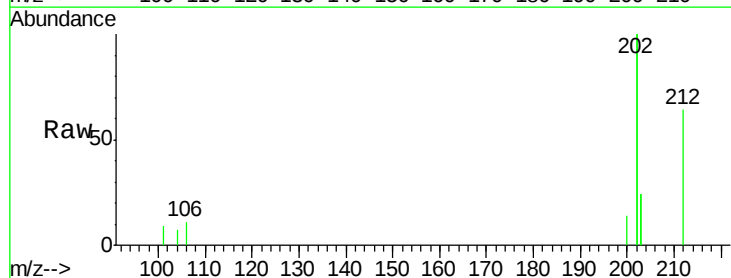
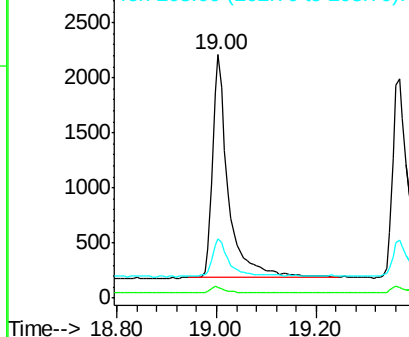
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

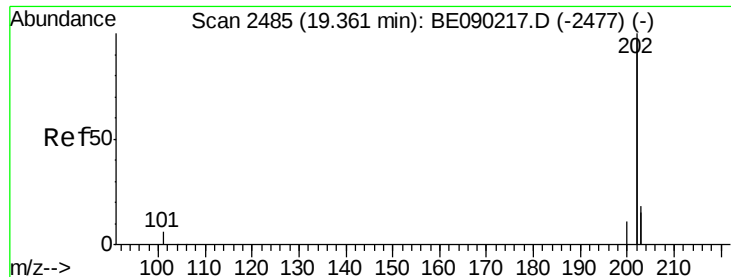


#15
 Fluoranthene
 Concen: 0.05 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090213.D
 Acq: 21 Jul 2015 23:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	4.4	0.0	23.0
203	24.3	0.0	37.8

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





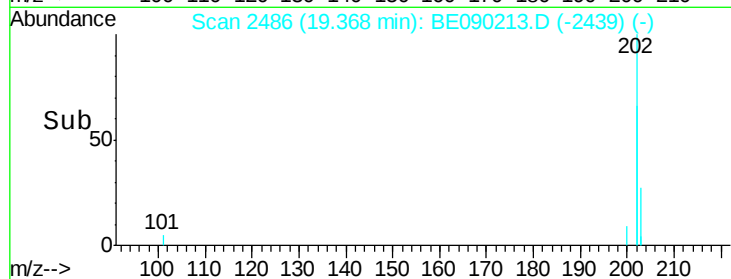
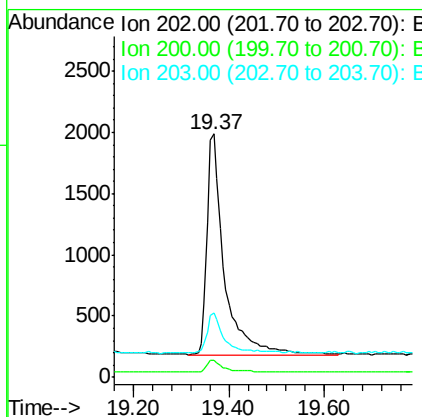
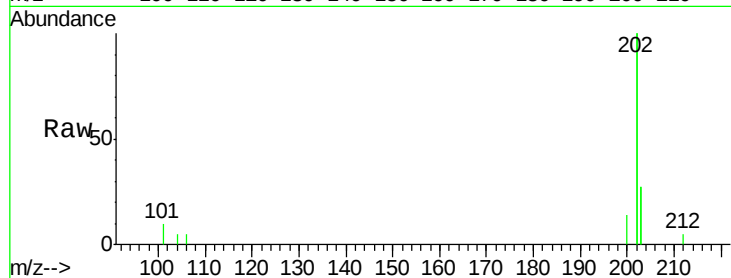
#17
Pyrene
Concen: 0.07 ng/ul
RT: 19.37 min Scan# 2486
Delta R.T. 0.01 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

Instrument :
BNA_E
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
202	100		
200	7.2	4.4	6.6#
203	26.7	14.6	22.0#

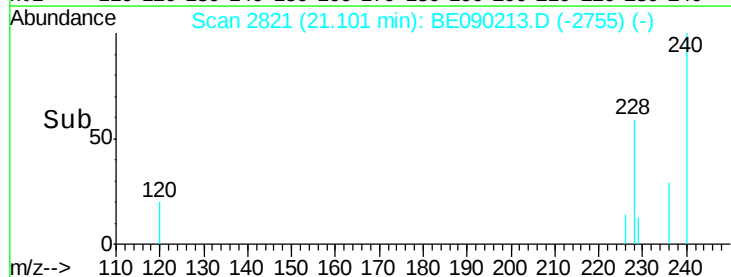
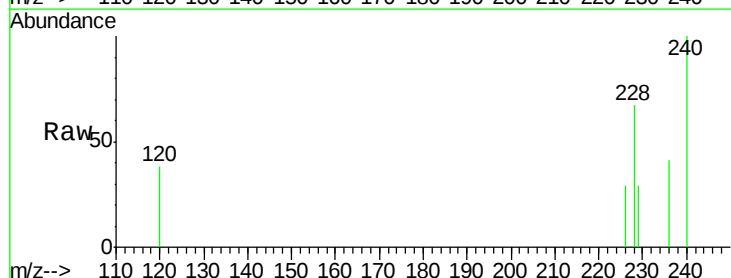
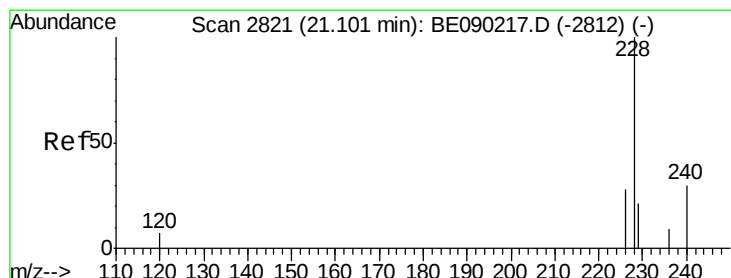
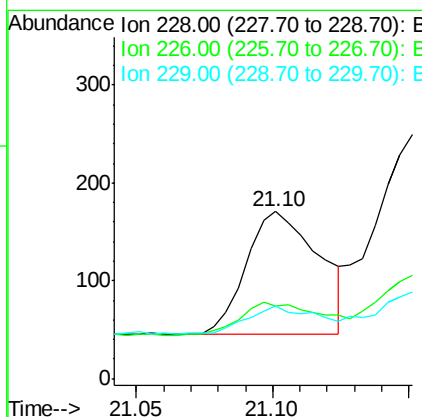
Manual Integrations
APPROVED

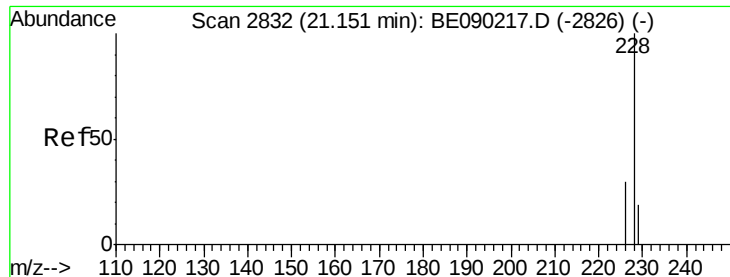
apatel
7/22/2015 3:26:04 PM



#18
Benzo(a)anthracene
Concen: 0.04 ng/ul
RT: 21.10 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	43.3	24.1	36.1#
229	43.3	17.9	26.9#





#19

Chrysene

Concen: 0.05 ng/ul m

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Instrument :

BNA_E

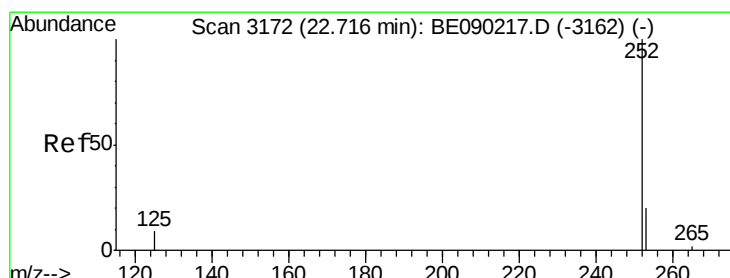
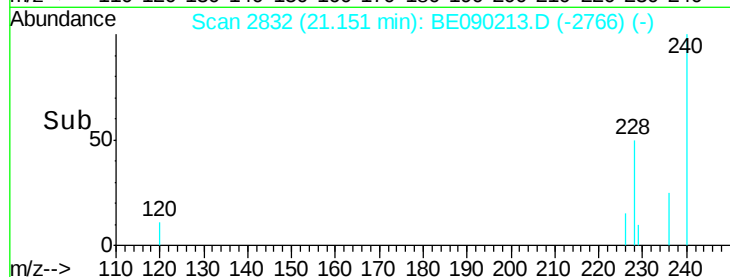
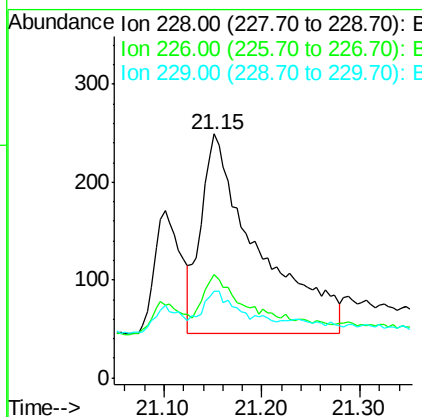
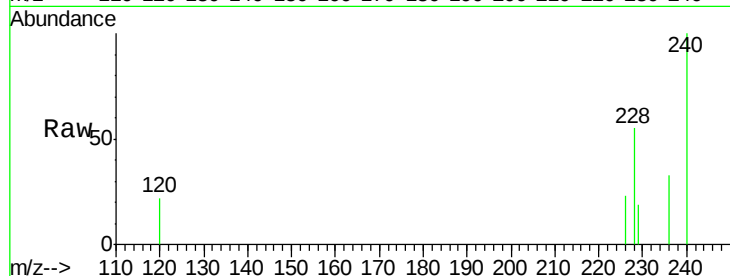
ClientSampleId :

MDL-04-S

Tgt Ion:	228	Resp:	826
Ion Ratio	Lower	Upper	
228	100		
226	42.2	24.6	36.8#
229	35.3	17.4	26.2#

Manual Integrations
APPROVED

apatel
7/22/2015 3:26:04 PM



#21

Benzo(b)fluoranthene

Concen: 0.05 ng/ul

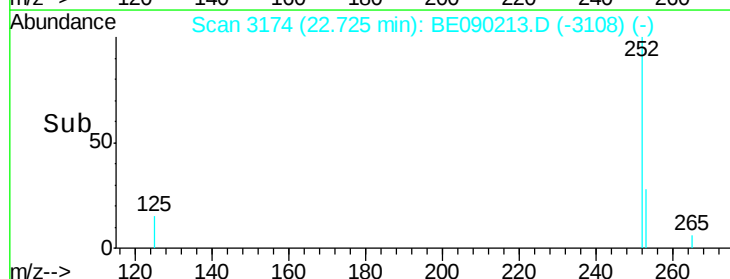
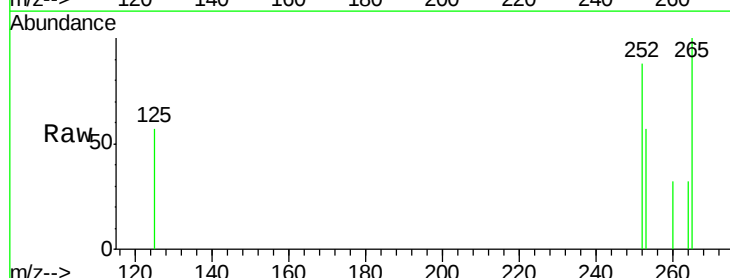
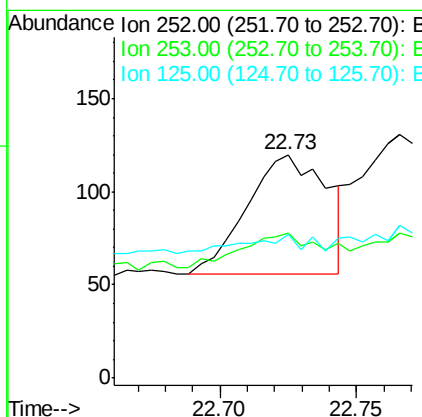
RT: 22.73 min Scan# 3174

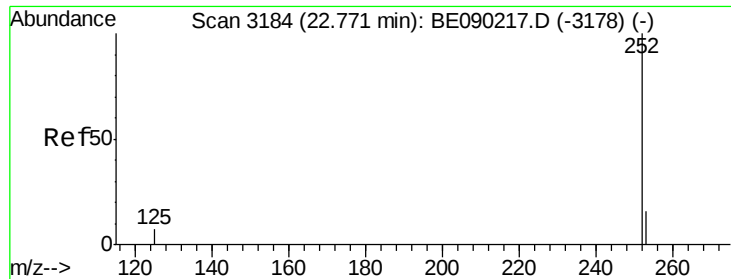
Delta R.T. 0.00 min

Lab File: BE090213.D

Acq: 21 Jul 2015 23:29

Tgt Ion:	252	Resp:	131
Ion Ratio	Lower	Upper	
252	100		
253	65.0	0.0	56.8#
125	64.2	0.0	37.0#





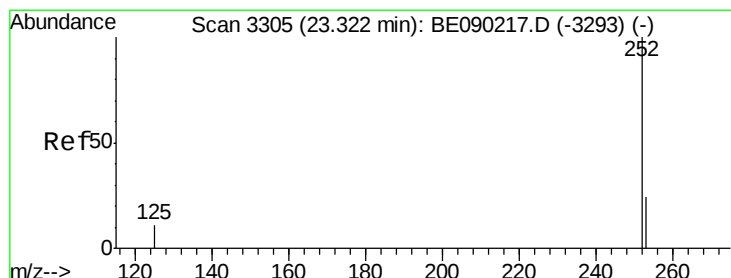
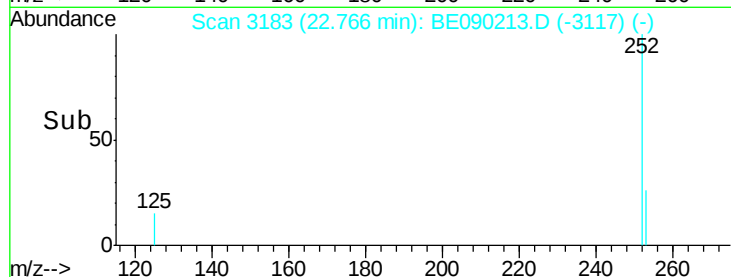
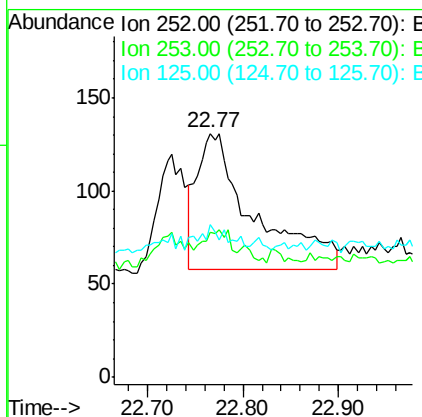
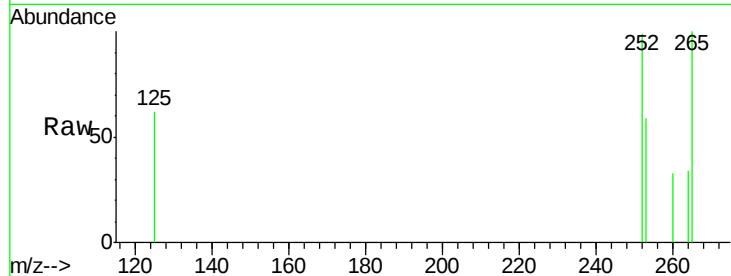
#22
Benzo(k)fluoranthene
Concen: 0.04 ng/ul m
RT: 22.77 min Scan# 3183
Delta R.T. 0.00 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

Instrument :
BNA_E
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
252	100		
253	59.5	19.5	29.3#
125	62.6	11.9	17.9#

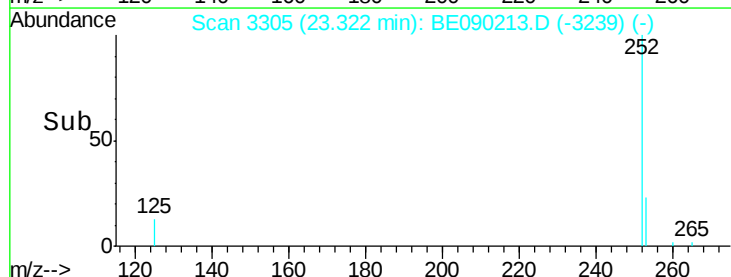
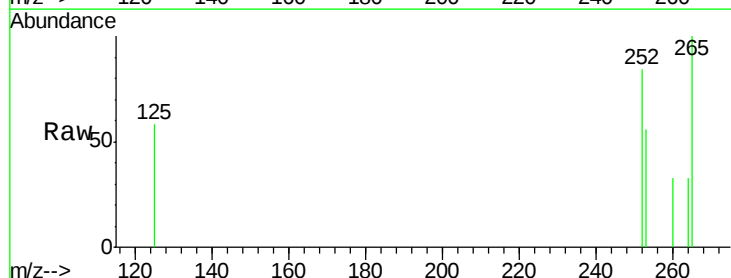
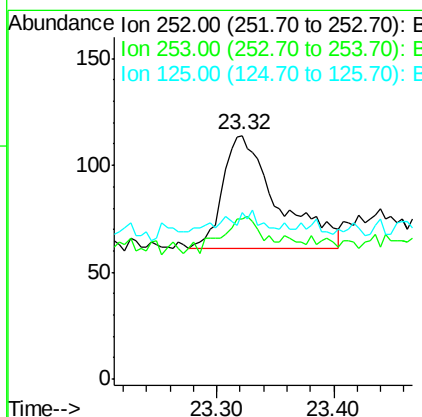
Manual Integrations
APPROVED

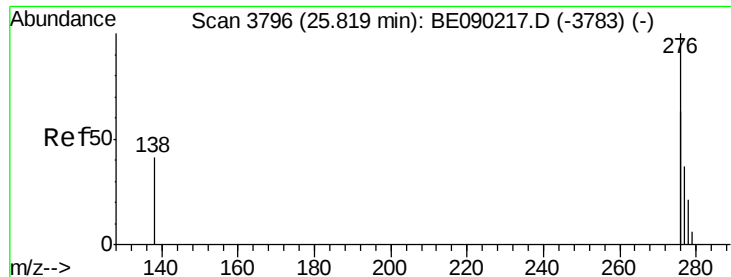
apatel
7/22/2015 3:26:04 PM



#23
Benzo(a)pyrene
Concen: 0.04 ng/ul
RT: 23.32 min Scan# 3305
Delta R.T. 0.00 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	65.8	23.7	35.5#
125	68.4	15.4	23.2#





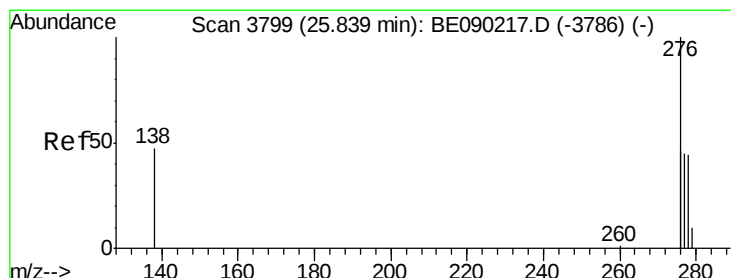
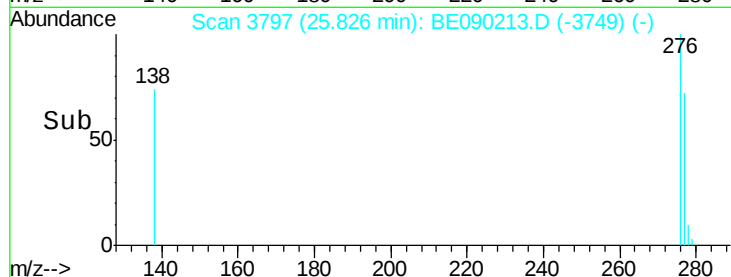
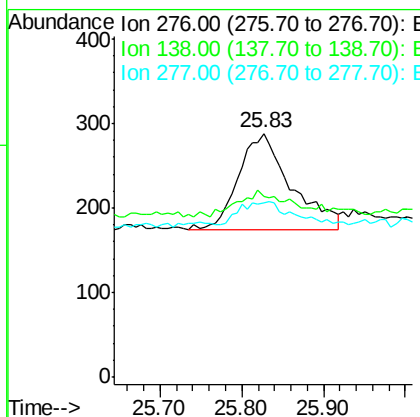
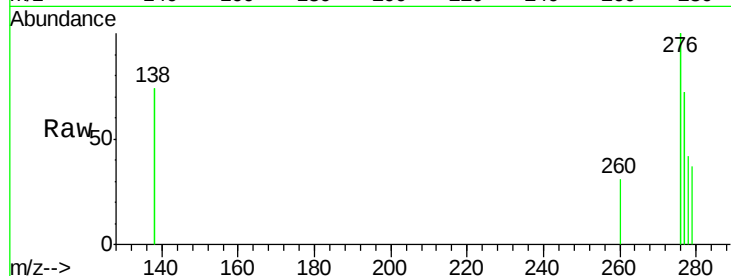
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng/ul
 RT: 25.83 min Scan# 3797
 Delta R.T. 0.01 min
 Lab File: BE090213.D
 Acq: 21 Jul 2015 23:29

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	16.9	25.3
277	23.6	17.0	25.4

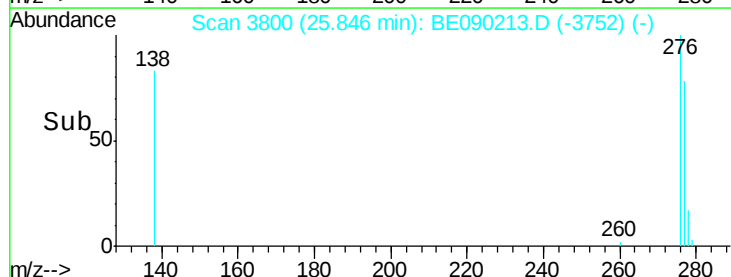
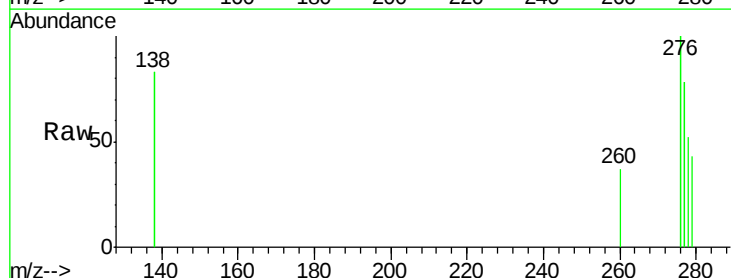
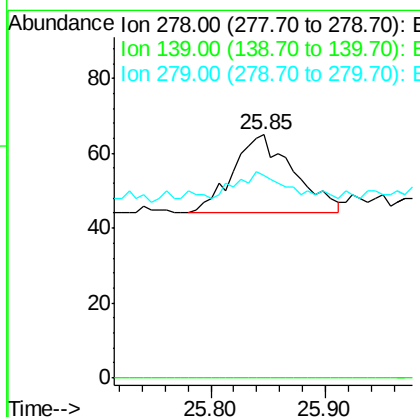
Manual Integrations
 APPROVED

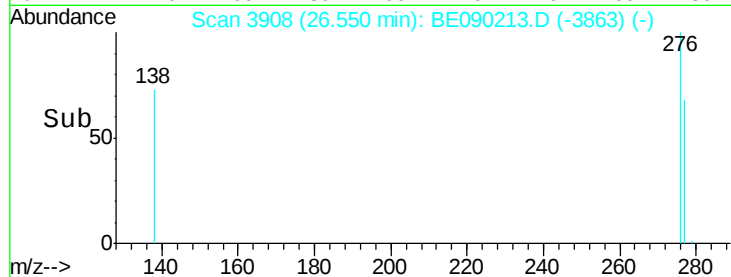
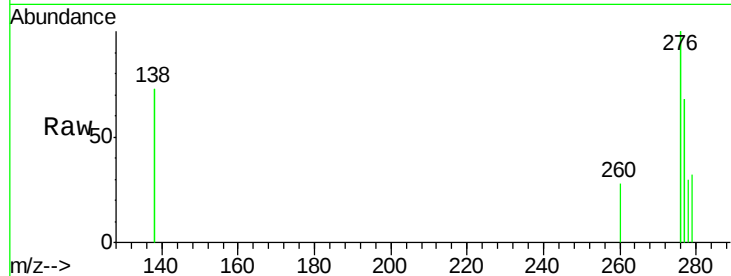
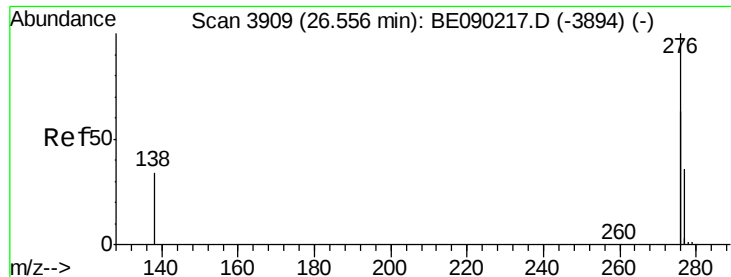
apatel
 7/22/2015 3:26:04 PM



#25
 Dibenzo(a,h)anthracene
 Concen: 0.04 ng/ul
 RT: 25.85 min Scan# 3800
 Delta R.T. 0.01 min
 Lab File: BE090213.D
 Acq: 21 Jul 2015 23:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	83.1	30.1	45.1#





#26
Benzo(g,h,i)perylene
Concen: 0.04 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BE090213.D
Acq: 21 Jul 2015 23:29

Instrument :
BNA_E
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
276	100		
277	68.4	24.6	36.8#
138	72.9	23.5	35.3#

Manual Integrations
APPROVED

apatel
7/22/2015 3:26:04 PM

