

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072215\
 Data File : BE090214.D
 Acq On : 22 Jul 2015 00:08
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SIM-SOIL-0.07PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-05-S

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Quant Time: Jul 22 05:27:59 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	647	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3090	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1886	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	4984	0.40	ng/ul	0.01
16) Chrysene-d12	21.12	240	2498	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	1223	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1796	0.37	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5252	0.37	ng/ul	0.00

Target Compounds				Qvalue		
3) Naphthalene	10.42	128	446	0.05	ng/ul#	64
5) 2-Methylnaphthalene	12.03	142	299	0.05	ng/ul	99
7) Acenaphthylene	13.93	152	2033	0.05	ng/ul#	73
8) Acenaphthene	14.27	153	1491	0.05	ng/ul	91
9) Fluorene	15.27	166	466	0.05	ng/ul#	91
12) Phenanthrene	16.99	178	3069	0.05	ng/ul#	82
13) Anthracene	17.07	178	3066	0.06	ng/ul#	74
15) Fluoranthene	19.00	202	3631	0.06	ng/ul	81
17) Pyrene	19.37	202	3538	0.09	ng/ul#	82
18) Benzo(a)anthracene	21.10	228	182	0.05	ng/ul#	58
19) Chrysene	21.15	228	602m	0.06	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	113	0.07	ng/ul#	15
22) Benzo(k)fluoranthene	22.77	252	162m	0.04	ng/ul	
23) Benzo(a)pyrene	23.32	252	123	0.05	ng/ul#	13
24) Indeno(1,2,3-cd)pyrene	25.82	276	349	0.05	ng/ul#	84
25) Dibenzo(a,h)anthracene	25.84	278	63	0.05	ng/ul#	15
26) Benzo(g,h,i)perylene	26.55	276	472	0.05	ng/ul#	17

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

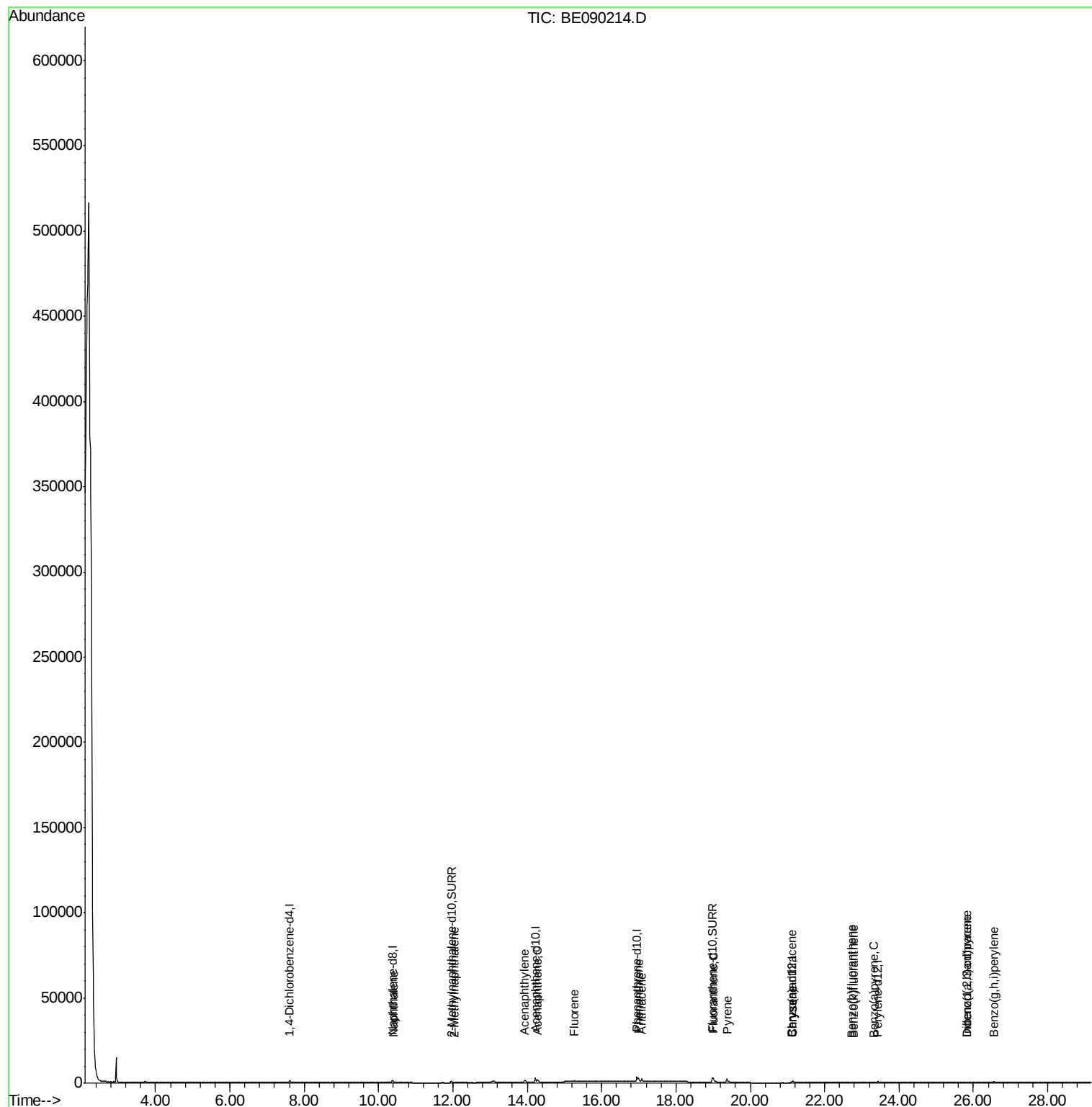
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072215\
Data File : BE090214.D
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Sample : MDL-05-S
Misc : MDL-SIM-SOIL-0.07PPM
ALS Vial : 13 Sample Multiplier: 1

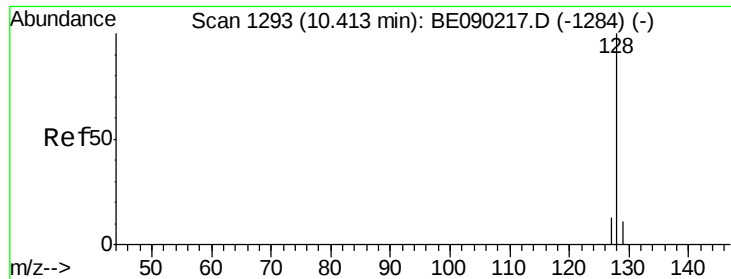
Instrument :
BNA_E
ClientSampleId :
MDL-05-S

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Quant Time: Jul 22 05:27:59 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. 0.00 min

Lab File: BE090214.D

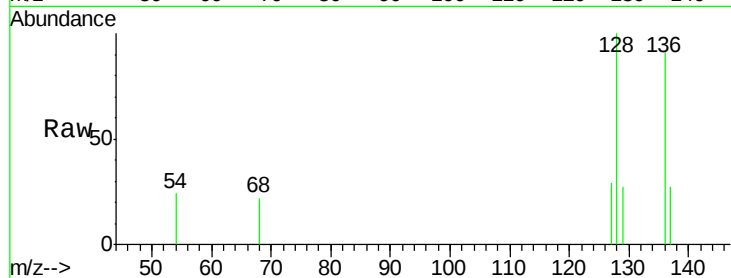
Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

MDL-05-S



Tgt Ion:128 Resp: 446

Ion Ratio Lower Upper

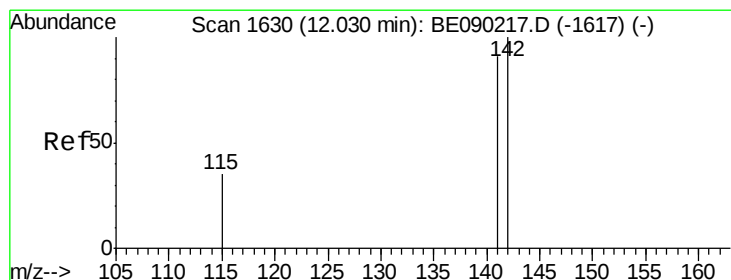
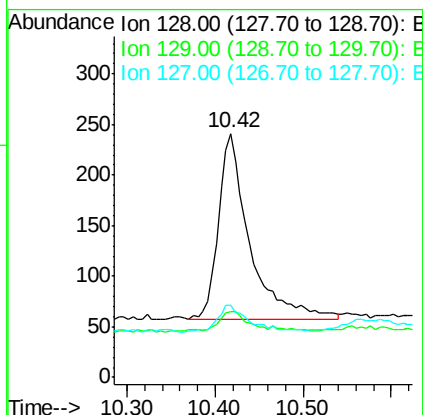
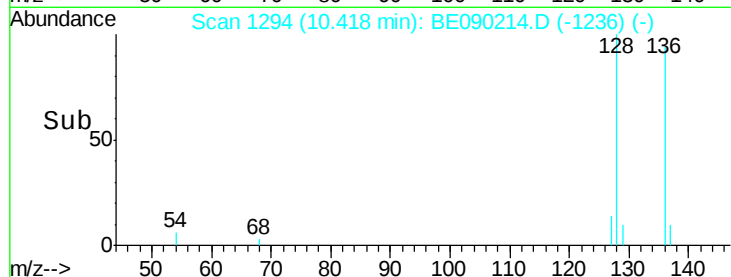
128 100

129 27.0 10.2 15.2#

127 29.5 11.8 17.6#

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#5

2-Methylnaphthalene

Concen: 0.05 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090214.D

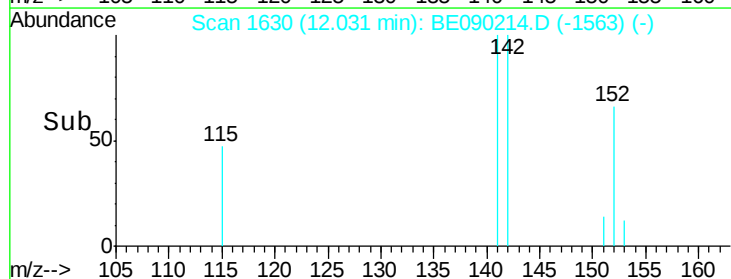
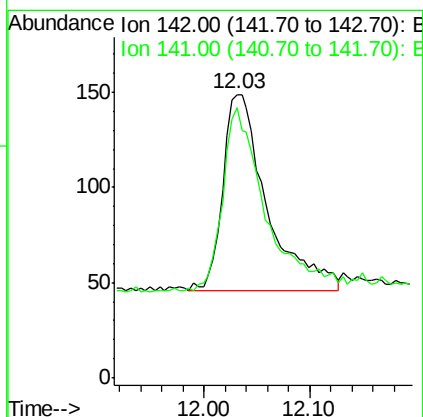
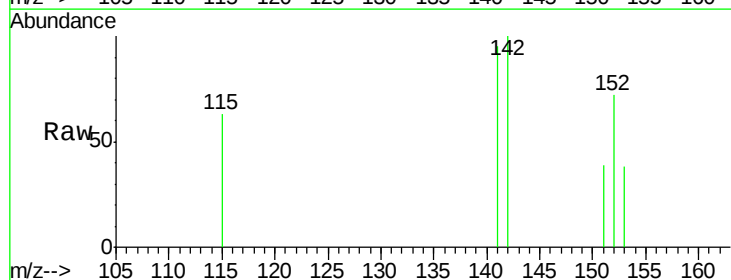
Acq: 22 Jul 2015 00:08

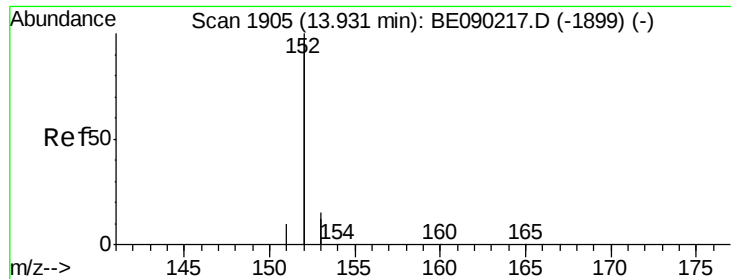
Tgt Ion:142 Resp: 299

Ion Ratio Lower Upper

142 100

141 90.3 73.0 109.6





#7

Acenaphthylene

Concen: 0.05 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090214.D

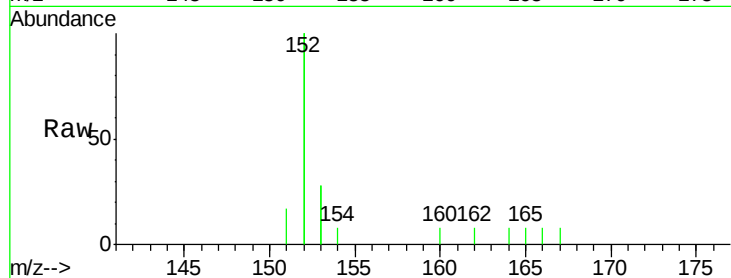
Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

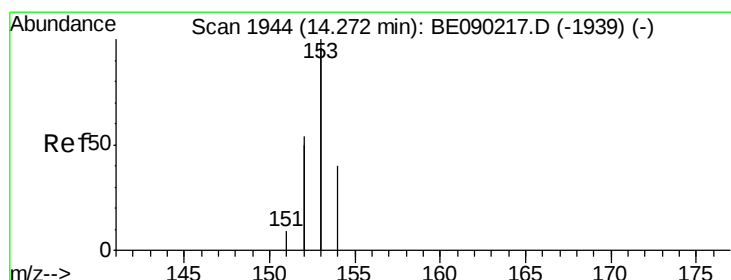
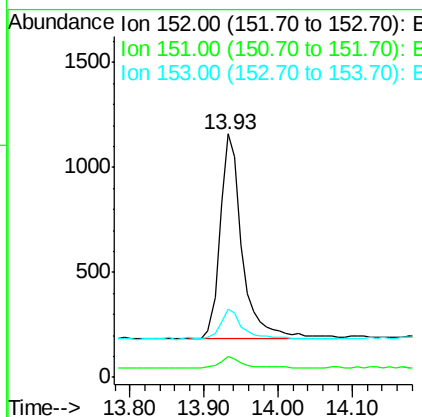
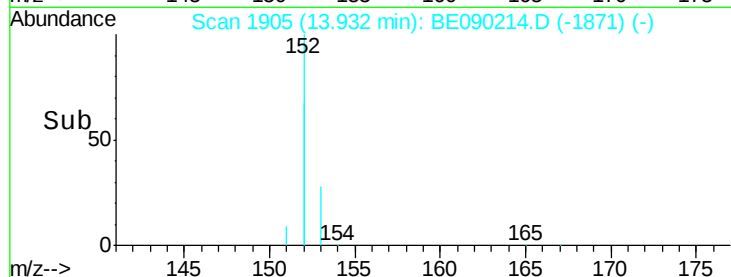
MDL-05-S



Tgt Ion	Ratio	Lower	Upper
152	100		
151	8.4	4.2	6.4#
153	27.9	11.5	17.3#

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#8

Acenaphthene

Concen: 0.05 ng/ul

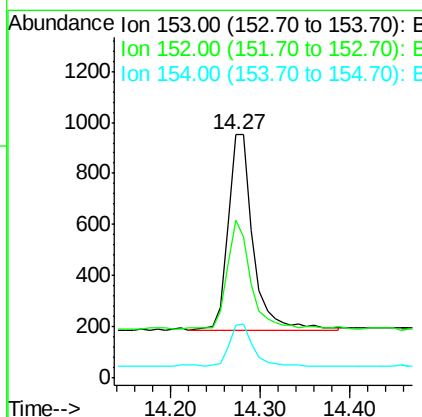
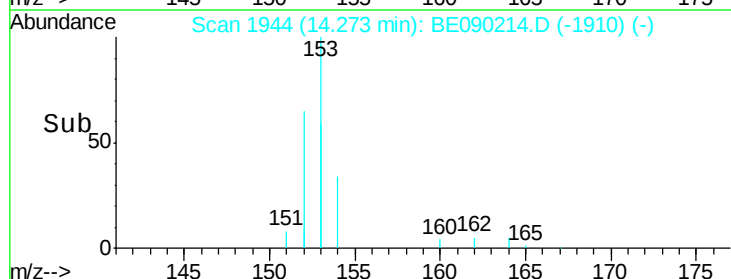
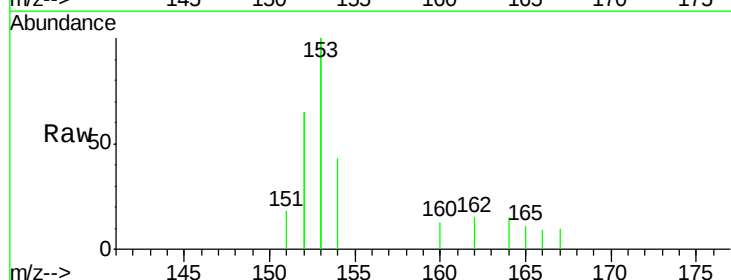
RT: 14.27 min Scan# 1944

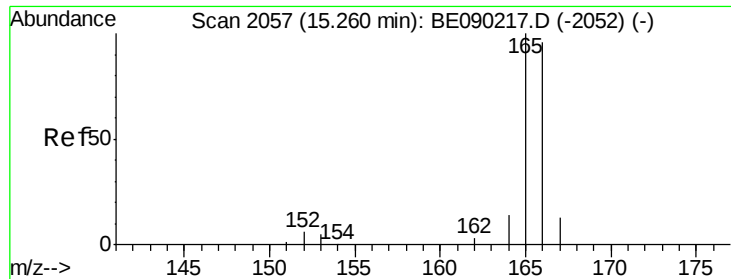
Delta R.T. -0.00 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Tgt Ion	Ratio	Lower	Upper
153	100		
152	64.7	45.0	67.4
154	21.6	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: BE090214.D

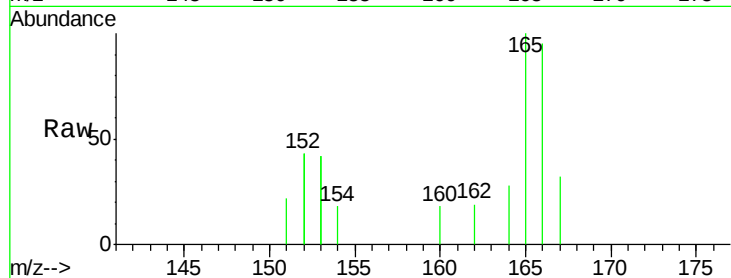
Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

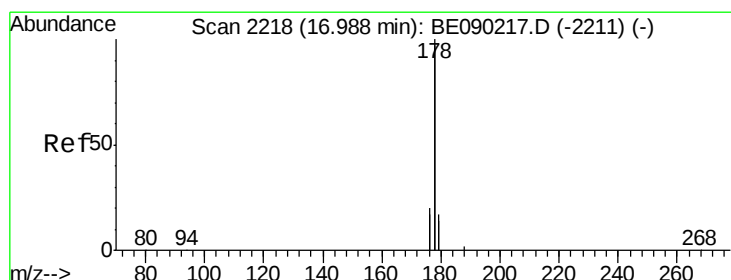
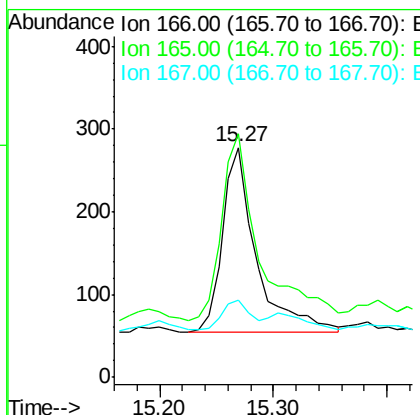
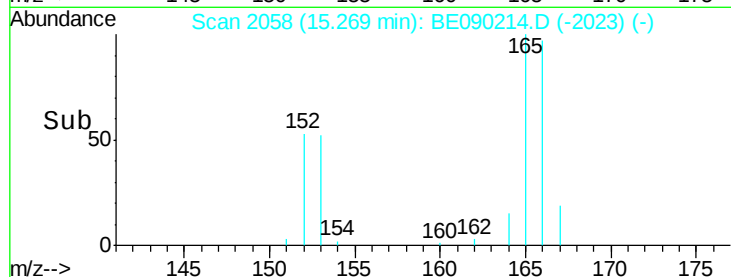
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Tgt Ion:	166	Resp:	466
Ion Ratio	Lower	Upper	
166	100		
165	105.8	81.9	122.9
167	33.5	12.2	18.2#

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#12

Phenanthrene

Concen: 0.05 ng/ul

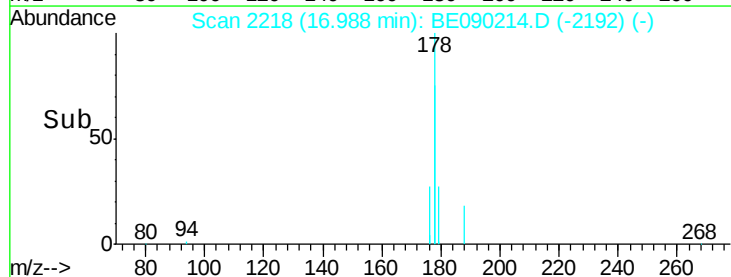
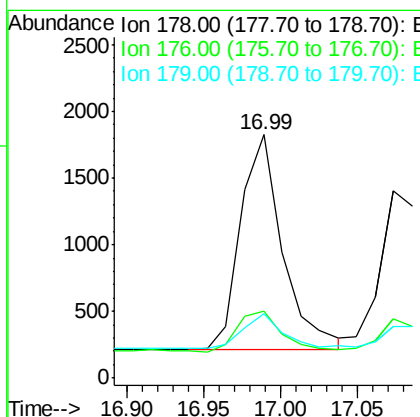
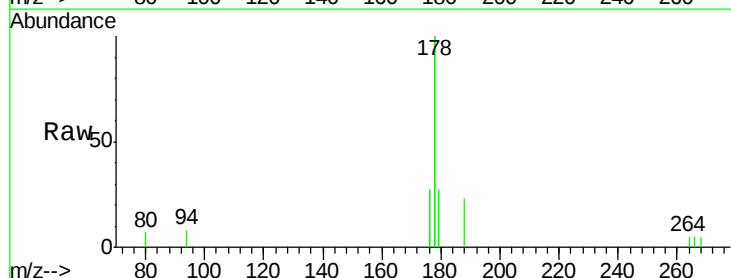
RT: 16.99 min Scan# 2218

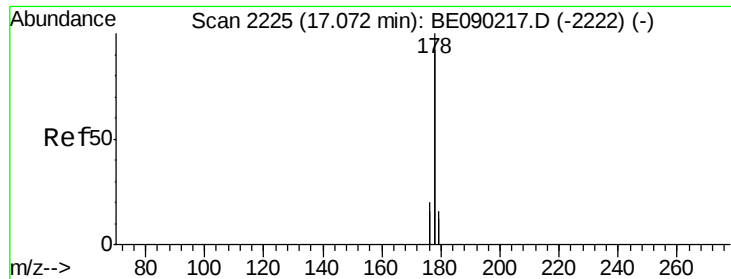
Delta R.T. 0.01 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Tgt Ion:	178	Resp:	3069
Ion Ratio	Lower	Upper	
178	100		
176	27.5	17.6	26.4#
179	26.6	12.2	18.4#





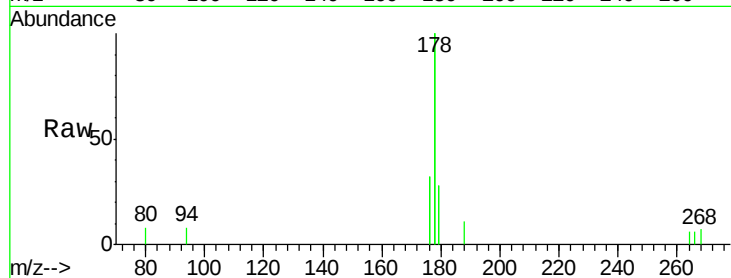
#13
 Anthracene
 Concen: 0.06 ng/ul
 RT: 17.07 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BE090214.D
 Acq: 22 Jul 2015 00:08

Instrument :
 BNA_E
 ClientSampled :
 MDL-05-S

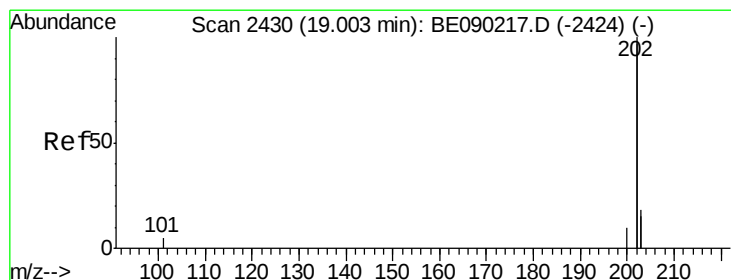
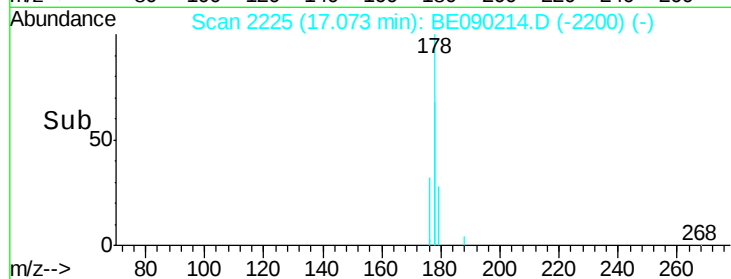
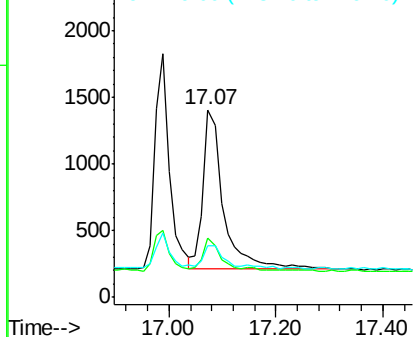
Tgt Ion	Ratio	Lower	Upper
178	100		
176	31.8	15.9	23.9#
179	27.6	13.3	19.9#

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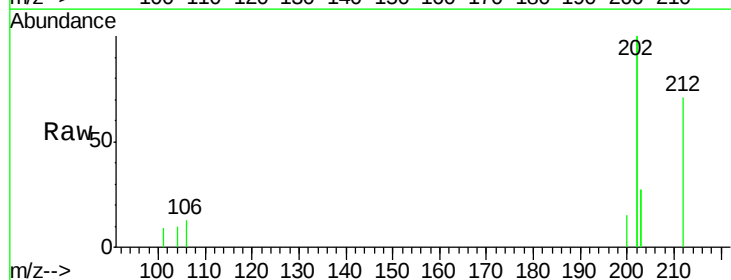


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

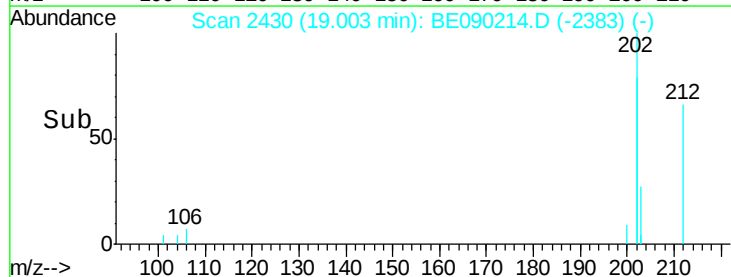
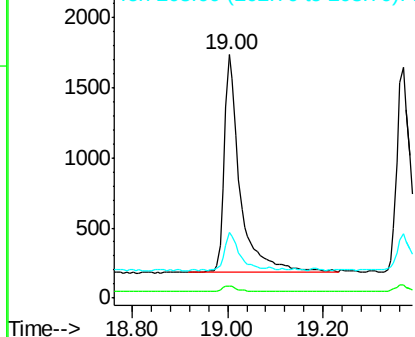


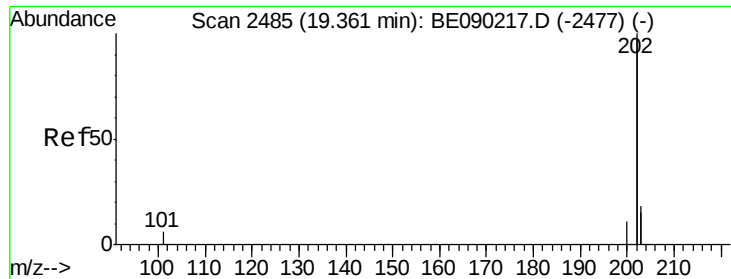
#15
 Fluoranthene
 Concen: 0.06 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.01 min
 Lab File: BE090214.D
 Acq: 22 Jul 2015 00:08

Tgt Ion	Ratio	Lower	Upper
202	100		
101	4.7	0.0	23.0
203	27.1	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





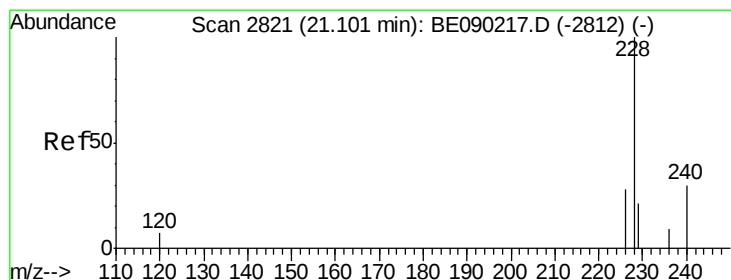
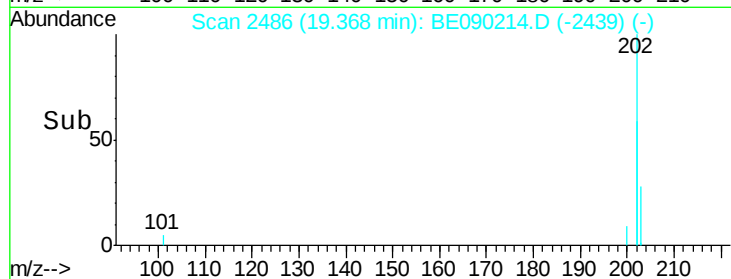
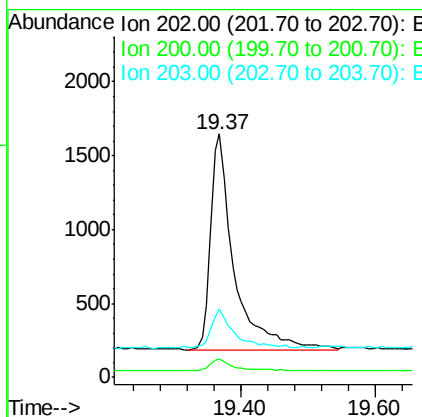
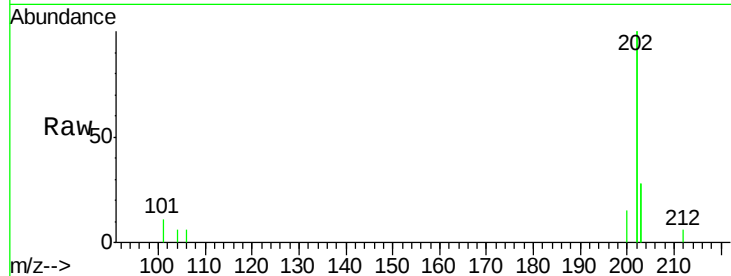
#17
 Pyrene
 Concen: 0.09 ng/u1
 RT: 19.37 min Scan# 2486
 Delta R.T. 0.01 min
 Lab File: BE090214.D
 Acq: 22 Jul 2015 00:08

Instrument :
 BNA_E
 ClientSampleId :
 MDL-05-S

Tgt Ion	Ratio	Lower	Upper
202	100		
200	7.7	4.4	6.6#
203	27.9	14.6	22.0#

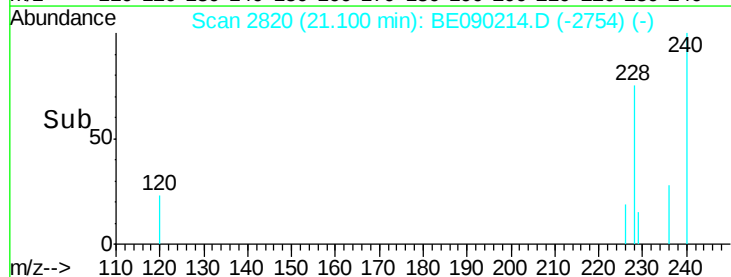
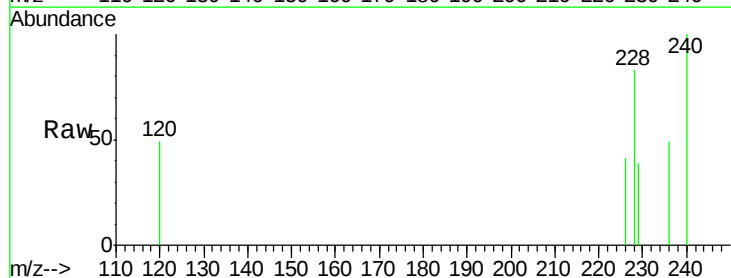
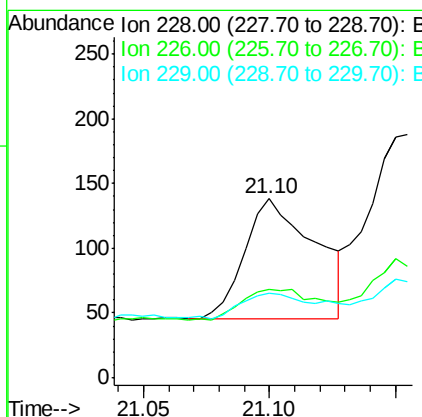
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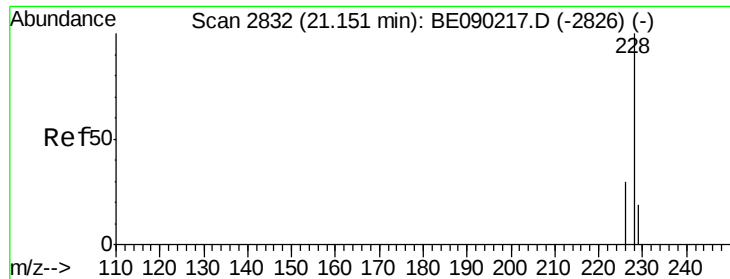
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#18
 Benzo(a)anthracene
 Concen: 0.05 ng/u1
 RT: 21.10 min Scan# 2820
 Delta R.T. -0.00 min
 Lab File: BE090214.D
 Acq: 22 Jul 2015 00:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	49.3	24.1	36.1#
229	47.1	17.9	26.9#





#19

Chrysene

Concen: 0.06 ng/ul m

RT: 21.15 min Scan# 2832

Delta R.T. 0.00 min

Lab File: BE090214.D

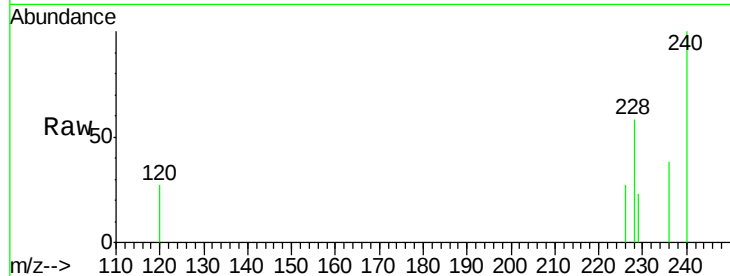
Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

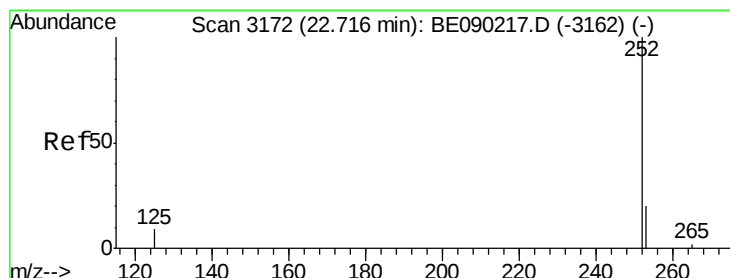
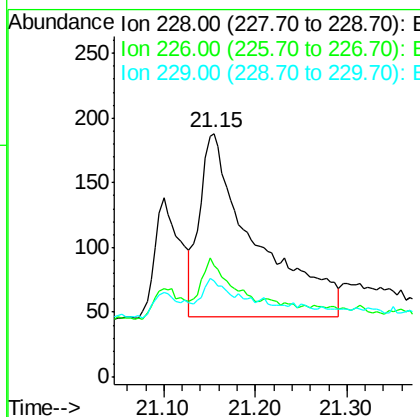
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	45.7	24.6	36.8#
229	39.4	17.4	26.2#

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#21

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

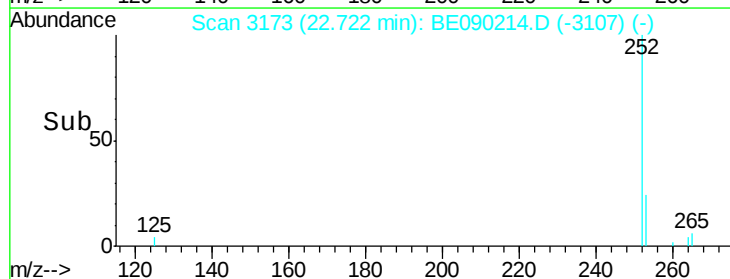
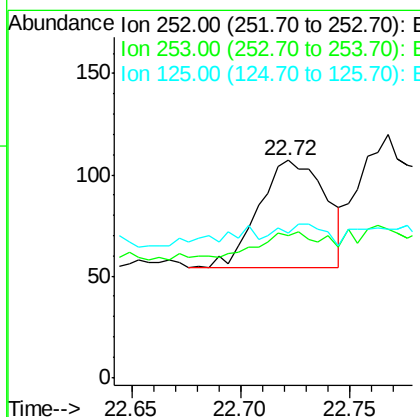
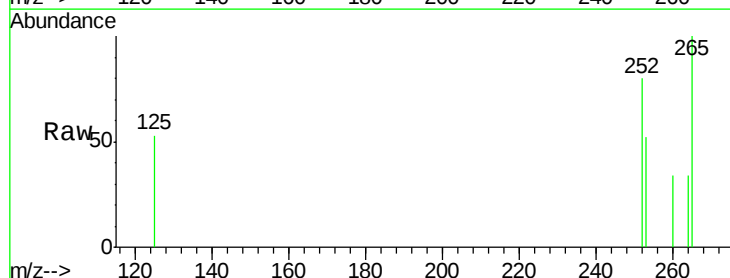
RT: 22.72 min Scan# 3173

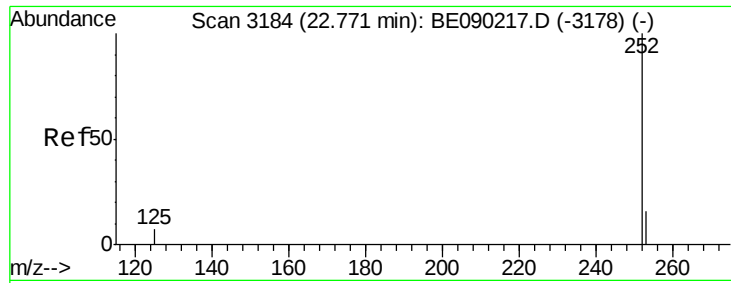
Delta R.T. -0.00 min

Lab File: BE090214.D

Acq: 22 Jul 2015 00:08

Tgt Ion	Ratio	Lower	Upper
252	100		
253	65.4	0.0	56.8#
125	66.4	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: BE090214.D

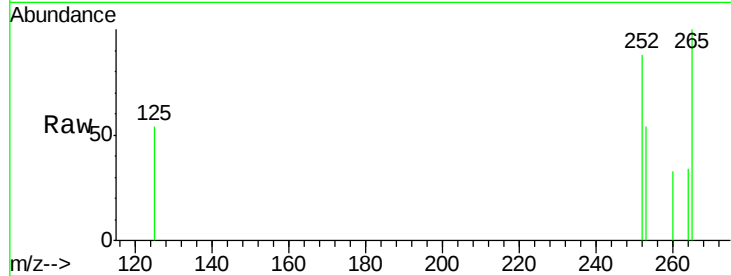
Acq: 22 Jul 2015 00:08

Instrument :

BNA_E

ClientSampleId :

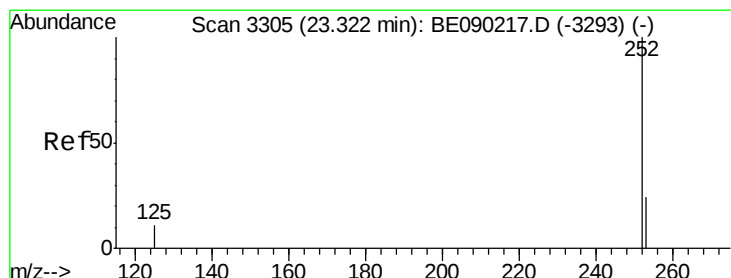
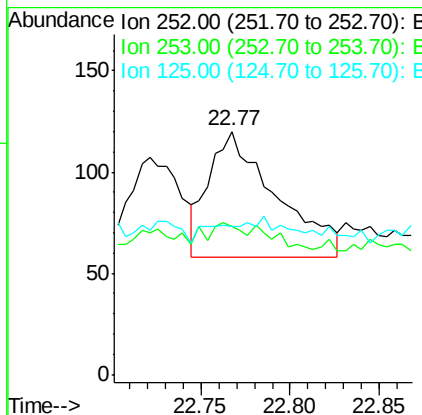
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	60.8	19.5	29.3#
125	60.8	11.9	17.9#

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#23

Benzo(a)pyrene

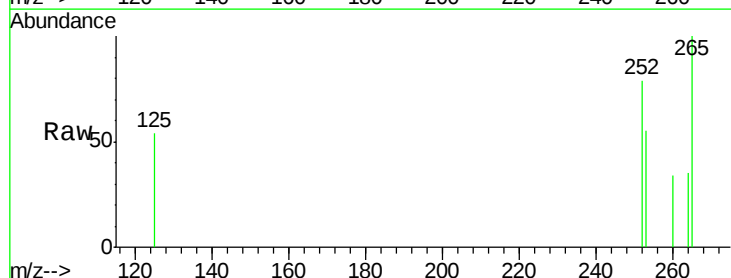
Concen: 0.05 ng/ul

RT: 23.32 min Scan# 3304

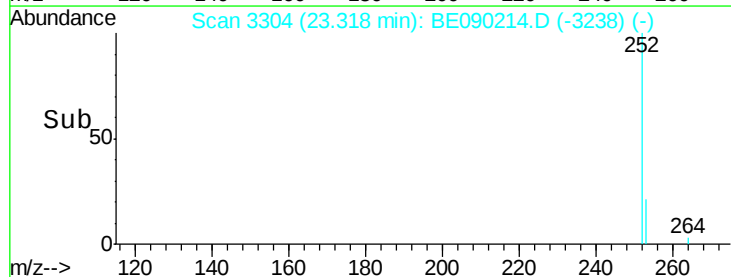
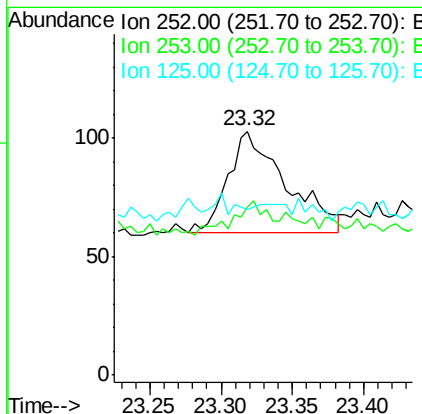
Delta R.T. -0.00 min

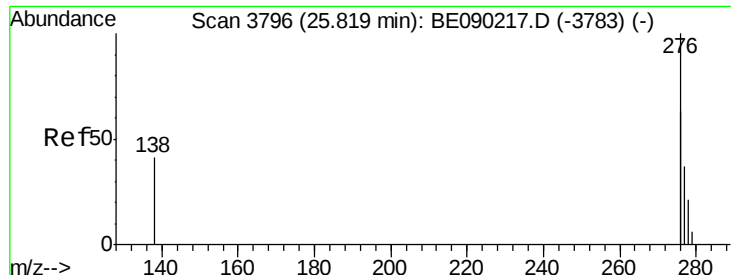
Lab File: BE090214.D

Acq: 22 Jul 2015 00:08



Tgt Ion	Ratio	Lower	Upper
252	100		
253	68.9	23.7	35.5#
125	68.0	15.4	23.2#





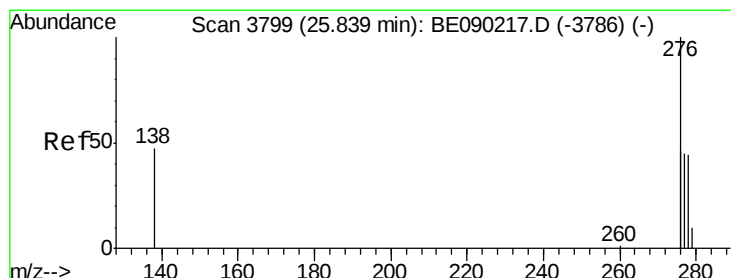
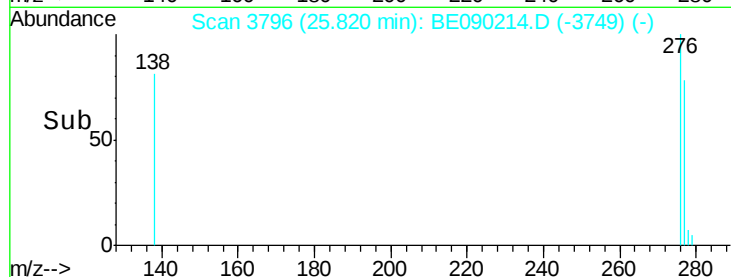
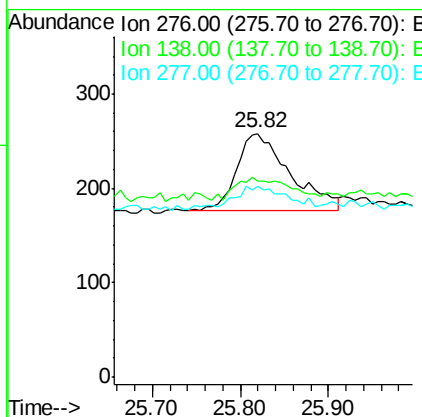
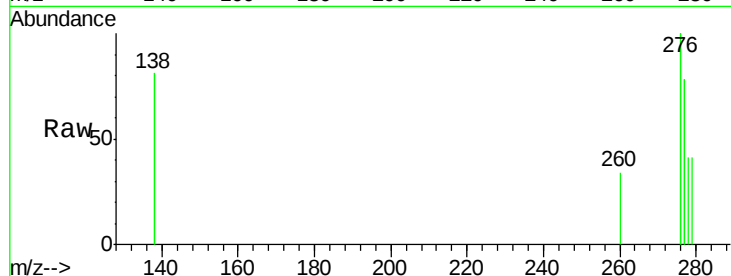
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng/ul
RT: 25.82 min Scan# 3796
Delta R.T. 0.01 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

Instrument :
BNA_E
ClientSampleId :
MDL-05-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.4	16.9	25.3#
277	29.2	17.0	25.4#

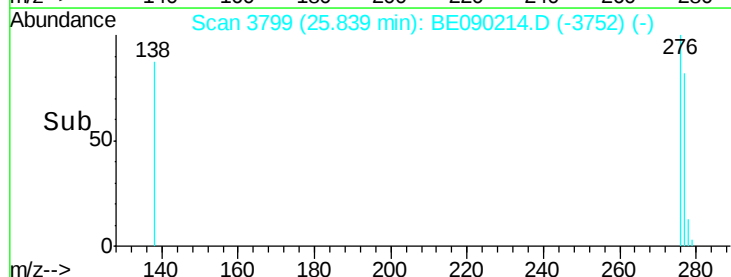
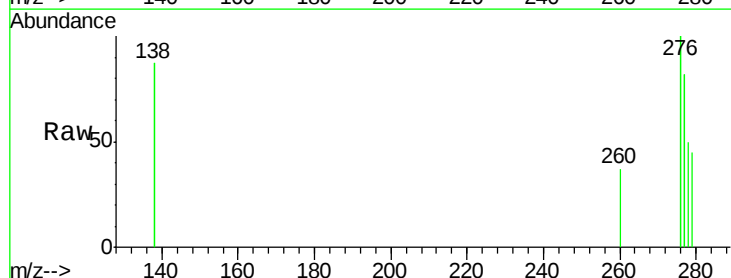
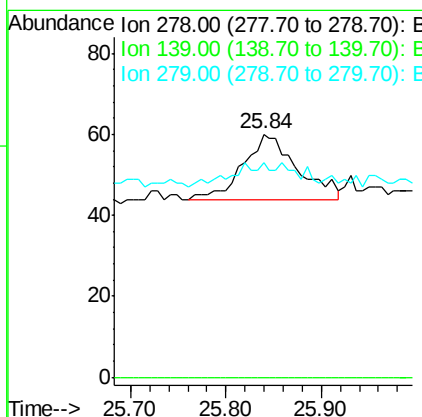
Manual Integrations
APPROVED

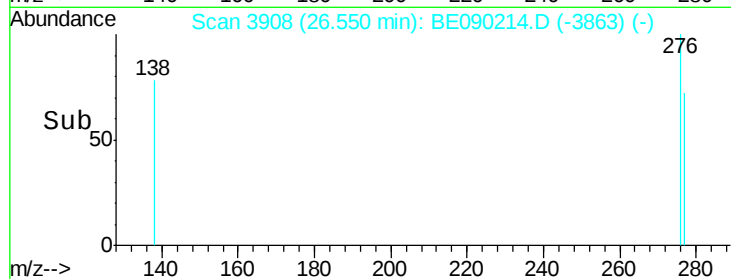
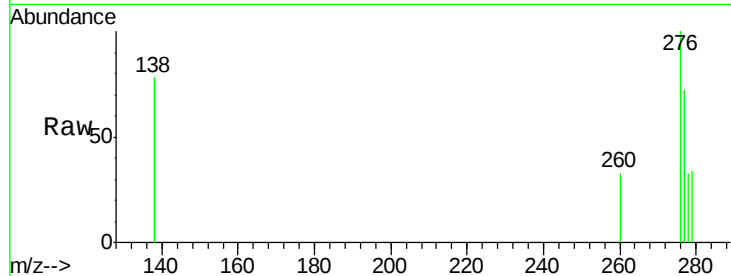
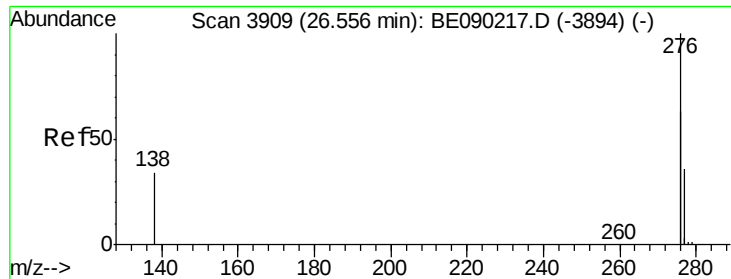
apatel
7/22/2015 3:26:07 PM



#25
Dibenzo(a,h)anthracene
Concen: 0.05 ng/ul
RT: 25.84 min Scan# 3799
Delta R.T. 0.01 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	88.3	30.1	45.1#





#26
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BE090214.D
Acq: 22 Jul 2015 00:08

Instrument :
BNA_E
ClientSampleId :
MDL-05-S

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	72.3	24.6	36.8#	
138	78.1	23.5	35.3#	

Manual Integrations
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