

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072215\
 Data File : BE090221.D
 Acq On : 22 Jul 2015 5:40
 Operator : TP/IZ
 Sample : MDL-04-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Manual Integrations
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Quant Time: Jul 22 09:07:27 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 05:40:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	685	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3393	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2024	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.95	188	5513	0.40	ng/ul	0.01
16) Chrysene-d12	21.11	240	2969	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1518	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1886	0.35	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5107	0.32	ng/ul	0.00

Target Compounds						Qvalue
3) Naphthalene	10.41	128	919	0.10	ng/ul#	83
5) 2-Methylnaphthalene	12.04	142	601	0.10	ng/ul	98
7) Acenaphthylene	13.93	152	4347	0.10	ng/ul#	89
8) Acenaphthene	14.27	153	3137	0.10	ng/ul	95
9) Fluorene	15.27	166	911	0.10	ng/ul#	97
12) Phenanthrene	16.99	178	6187	0.10	ng/ul#	93
13) Anthracene	17.07	178	6121	0.10	ng/ul#	89
15) Fluoranthene	19.00	202	7341	0.10	ng/ul	92
17) Pyrene	19.37	202	7130	0.15	ng/ul#	92
18) Benzo(a)anthracene	21.10	228	340	0.07	ng/ul#	79
19) Chrysene	21.15	228	1235m	0.10	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	217	0.11	ng/ul#	48
22) Benzo(k)fluoranthene	22.77	252	410m	0.07	ng/ul	
23) Benzo(a)pyrene	23.32	252	199	0.07	ng/ul#	42
24) Indeno(1,2,3-cd)pyrene	25.82	276	681	0.08	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.84	278	127	0.09	ng/ul#	43
26) Benzo(g,h,i)perylene	26.56	276	882	0.07	ng/ul#	46

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

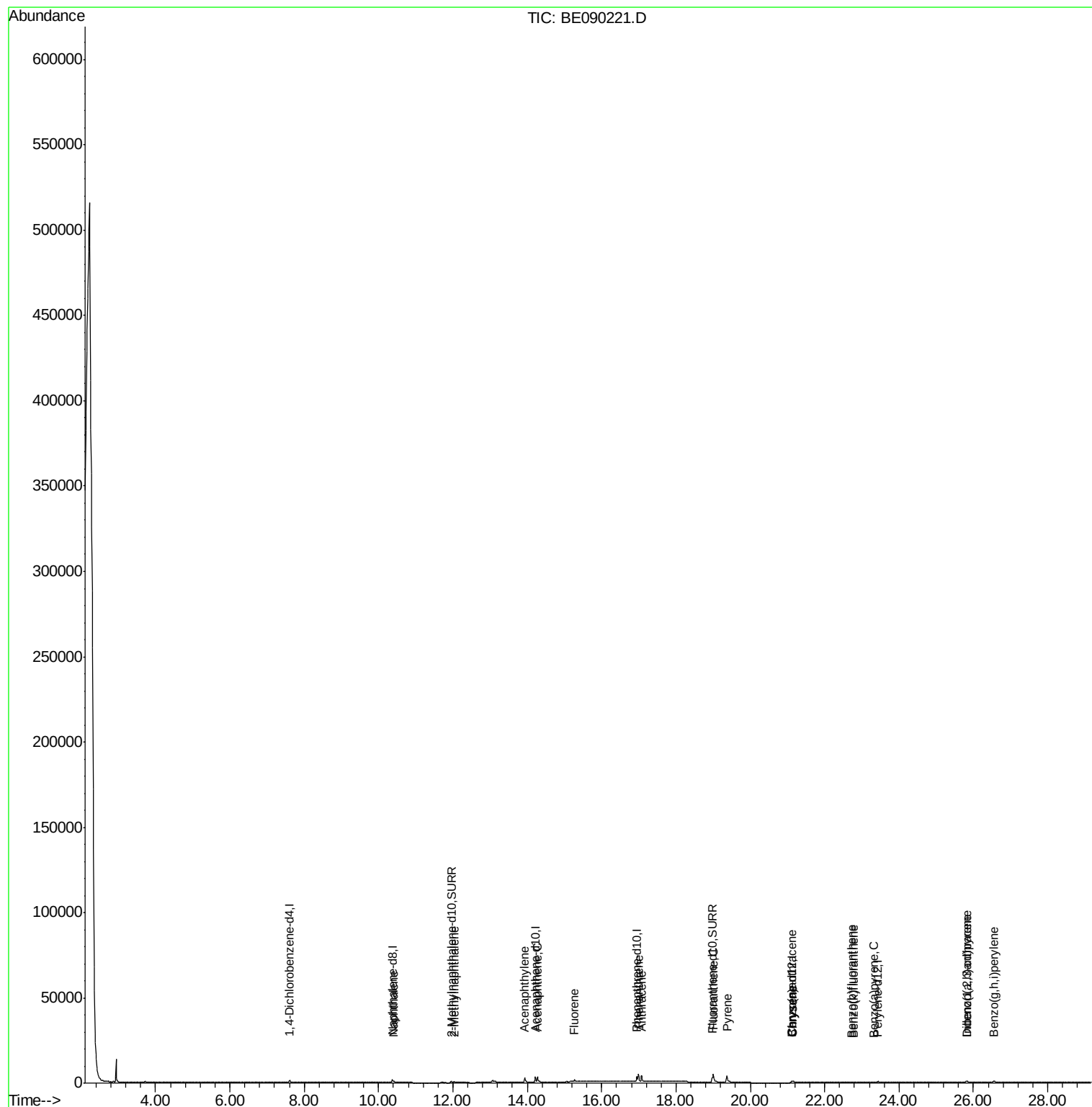
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072215\
Data File : BE090221.D
Acq On : 22 Jul 2015 5:40
Operator : TP/IZ
Sample : MDL-04-S
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ALS Vial : 20 Sample Multiplier: 1

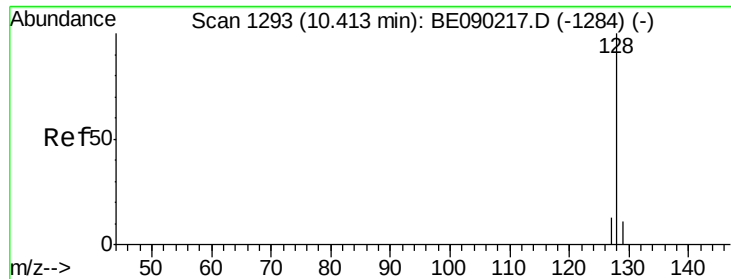
Instrument :
BNA_E
ClientSampleId :
MDL-04-S

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Quant Time: Jul 22 09:07:27 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 05:40:44 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.10 ng/ul

RT: 10.41 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BE090221.D

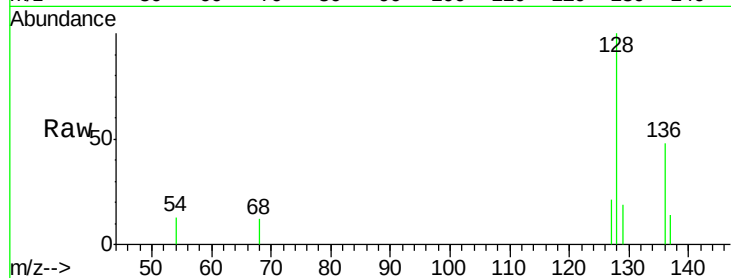
Acq: 22 Jul 2015 5:40

Instrument :

BNA_E

ClientSampleId :

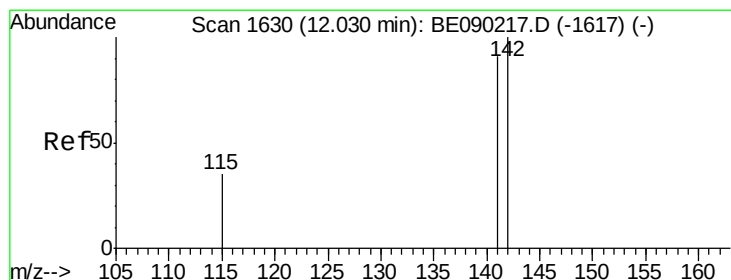
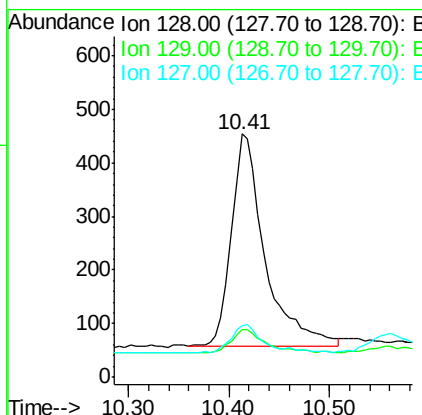
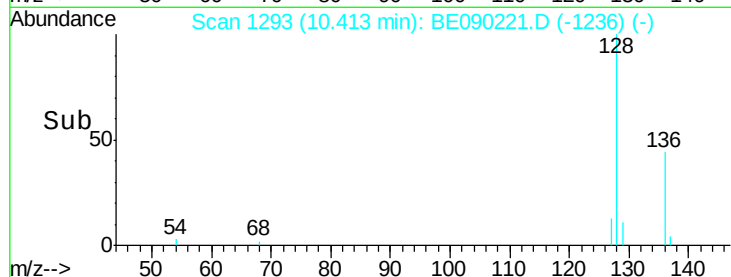
MDL-04-S



Tgt Ion:	128	Resp:	919
Ion Ratio	Lower	Upper	
128	100		
129	19.4	10.2	15.2#
127	21.4	11.8	17.6#

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#5

2-Methylnaphthalene

Concen: 0.10 ng/ul

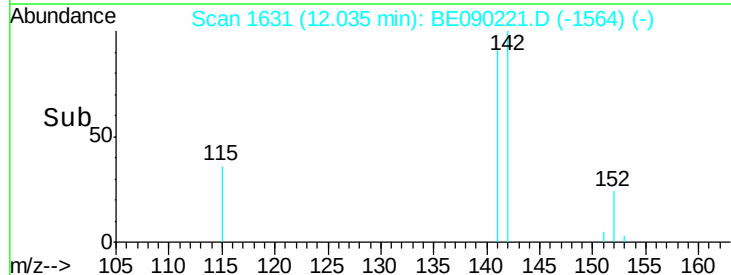
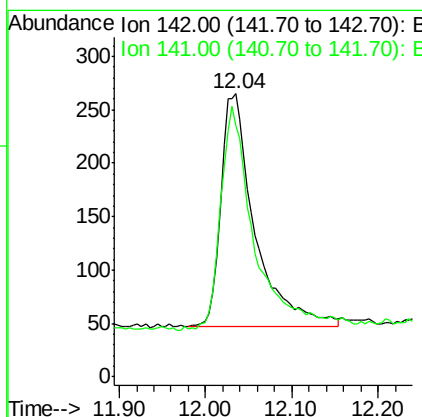
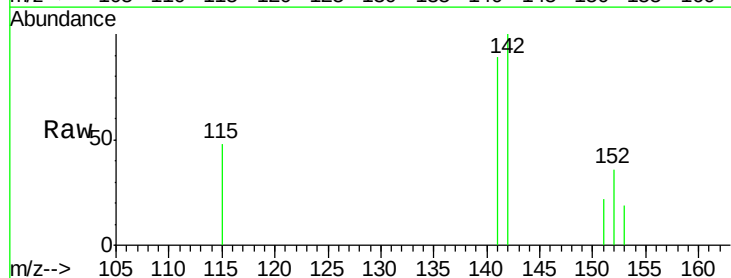
RT: 12.04 min Scan# 1631

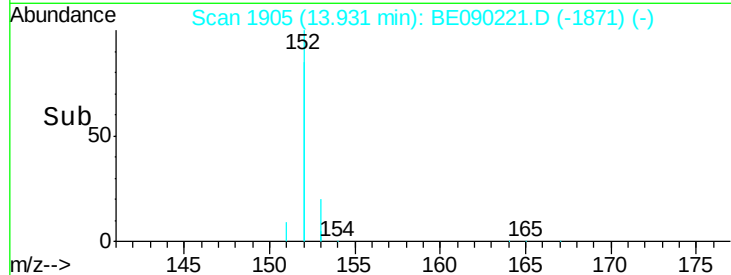
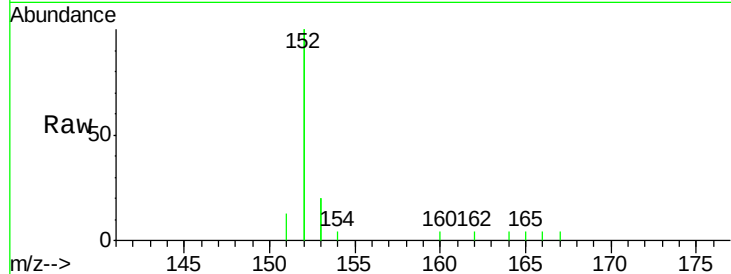
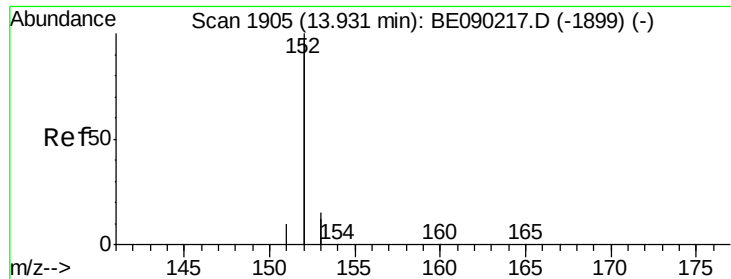
Delta R.T. 0.00 min

Lab File: BE090221.D

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Tgt Ion:	142	Resp:	601
Ion Ratio	Lower	Upper	
142	100		
141	92.8	73.0	109.6





#7

Acenaphthylene

Concen: 0.10 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090221.D

Acq: 22 Jul 2015 5:40

Instrument :

BNA_E

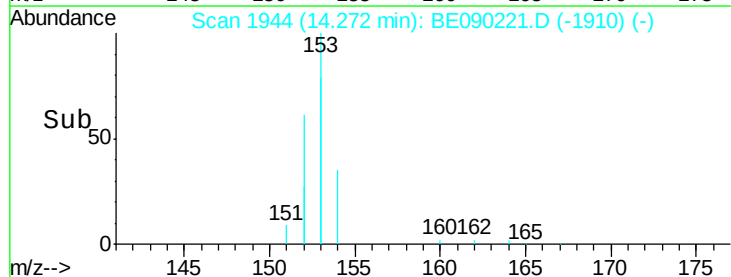
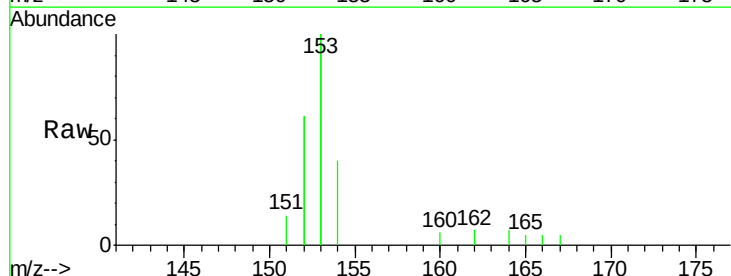
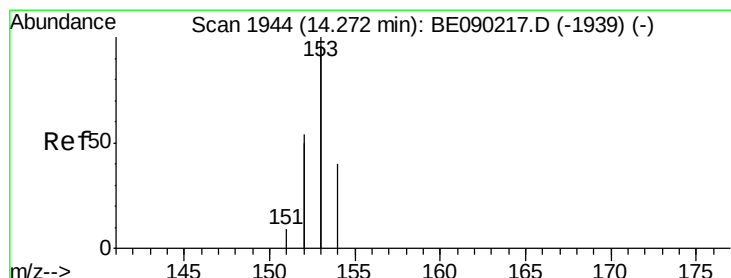
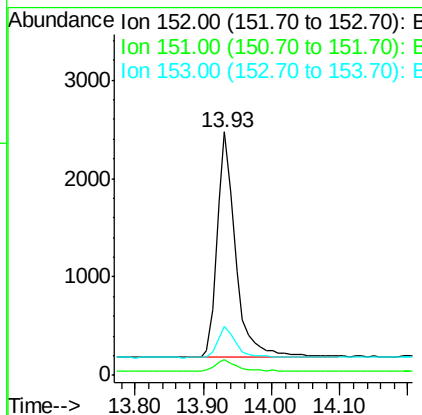
ClientSampleId :

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Tgt Ion:	152	Resp:	4347
Ion Ratio	Lower	Upper	
152	100		
151	6.5	4.2	6.4#
153	20.2	11.5	17.3#

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#8

Acenaphthene

Concen: 0.10 ng/ul

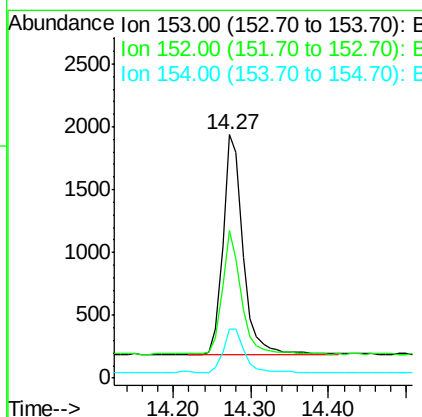
RT: 14.27 min Scan# 1944

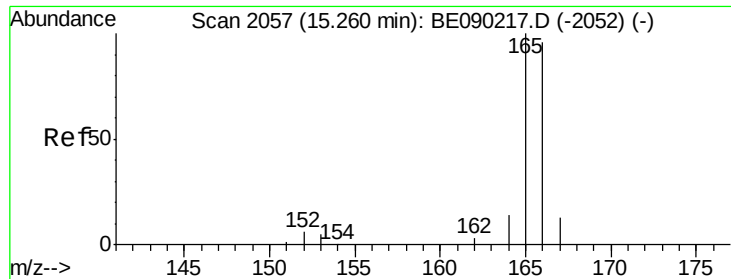
Delta R.T. -0.00 min

Lab File: BE090221.D

Acq: 22 Jul 2015 5:40

Tgt Ion:	153	Resp:	3137
Ion Ratio	Lower	Upper	
153	100		
152	60.6	45.0	67.4
154	20.0	16.8	25.2





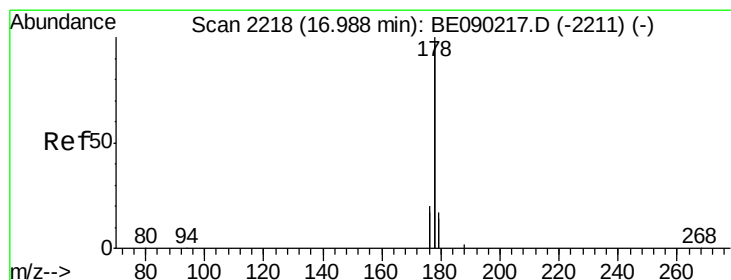
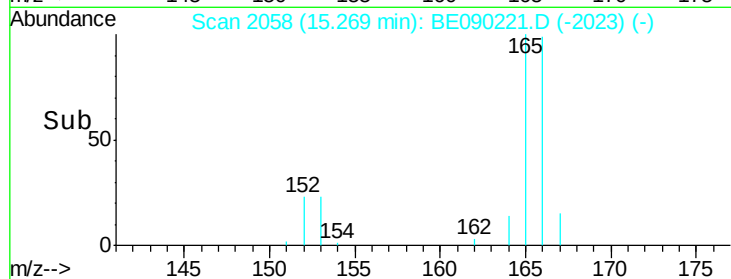
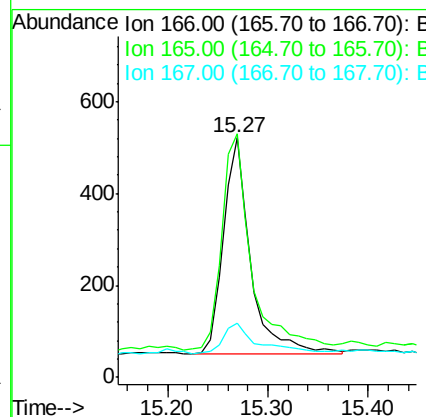
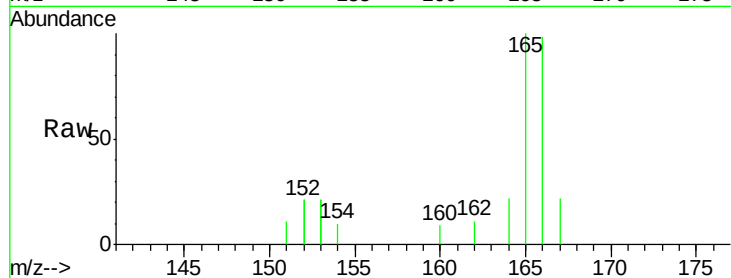
#9
Fluorene
 Concen: 0.10 ng/ul
 RT: 15.27 min Scan# 2058
 Delta R.T. 0.01 min
 Lab File: BE090221.D
 Acq: 22 Jul 2015 5:40

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	81.9	122.9
167	22.6	12.2	18.2

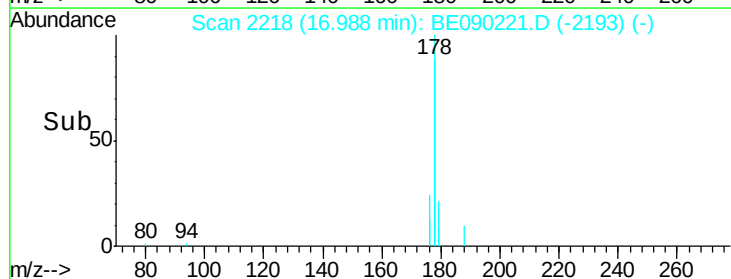
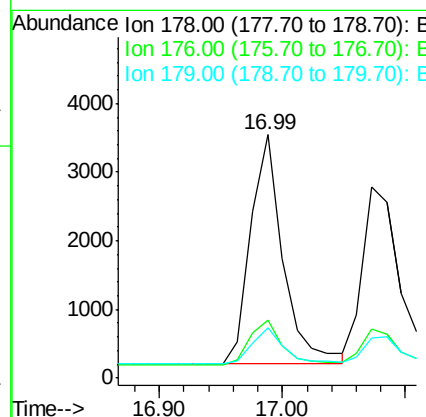
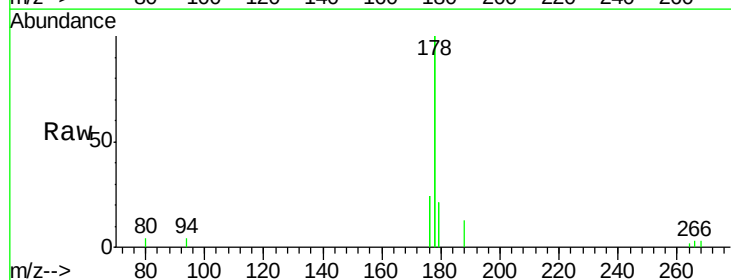
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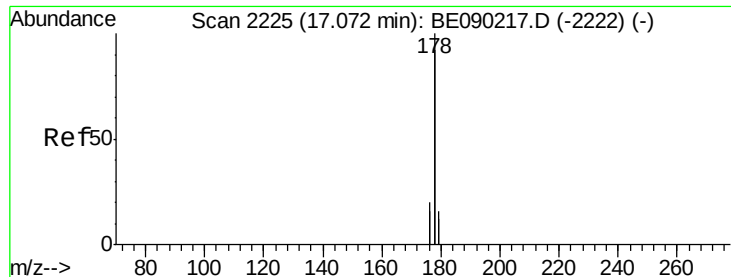
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#12
Phenanthrene
 Concen: 0.10 ng/ul
 RT: 16.99 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: BE090221.D
 Acq: 22 Jul 2015 5:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	23.6	17.6	26.4
179	20.7	12.2	18.4





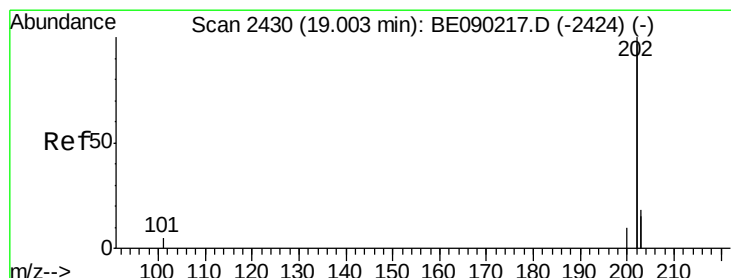
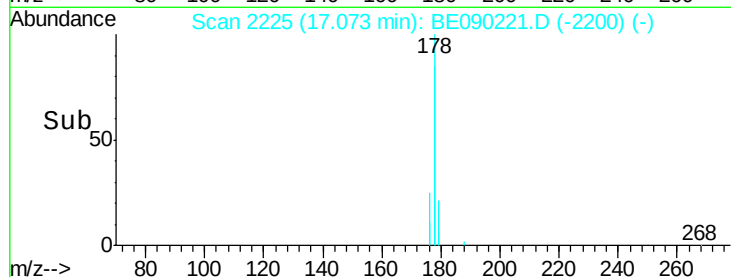
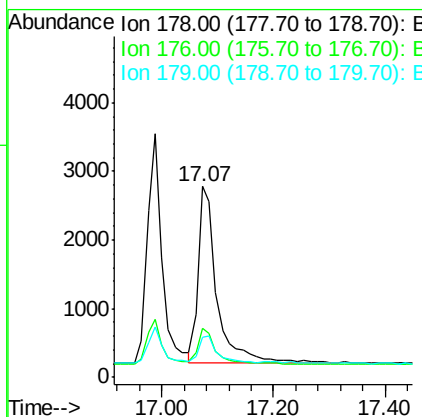
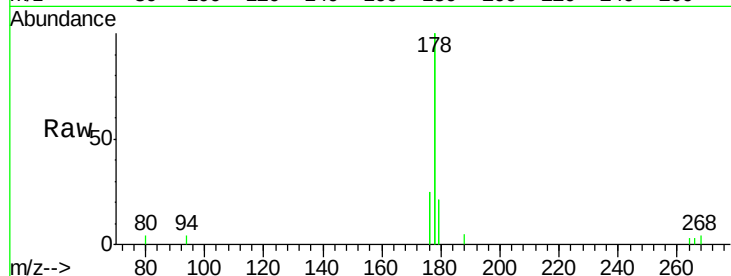
#13
 Anthracene
 Concen: 0.10 ng/ul
 RT: 17.07 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: BE090221.D
 Acq: 22 Jul 2015 5:40

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-S

Tgt Ion	Ratio	Lower	Upper
178	100		
176	25.4	15.9	23.9#
179	21.0	13.3	19.9#

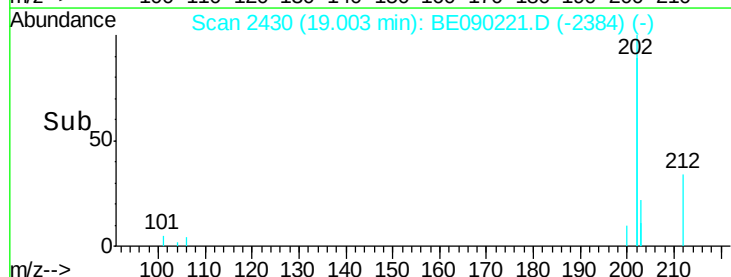
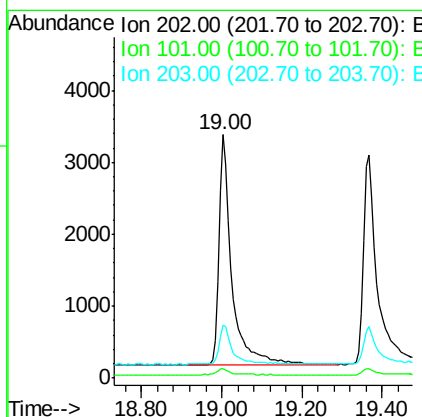
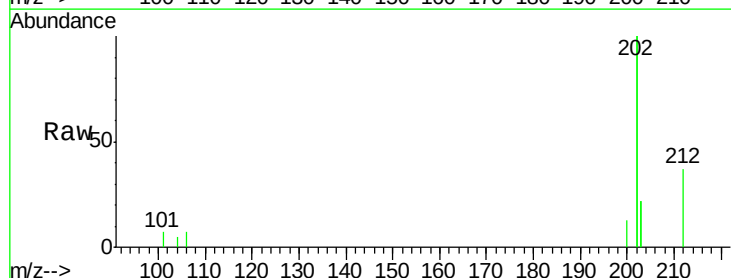
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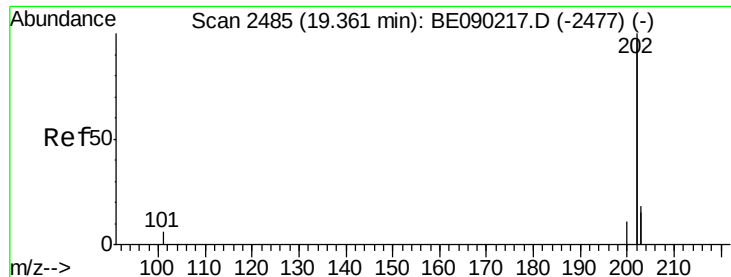
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#15
 Fluoranthene
 Concen: 0.10 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BE090221.D
 Acq: 22 Jul 2015 5:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.7	0.0	23.0
203	21.7	0.0	37.8





#17

Pyrene

Concen: 0.15 ng/ul

RT: 19.37 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BE090221.D

Acq: 22 Jul 2015 5:40

Instrument :

BNA_E

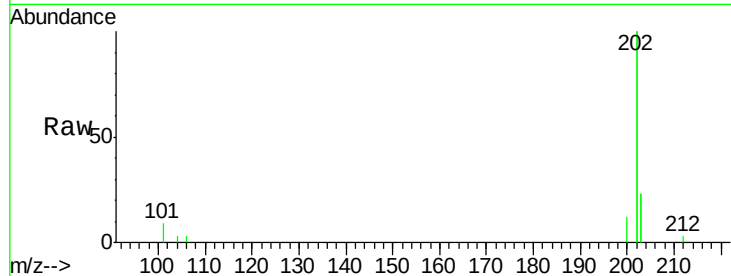
ClientSampleId :

MDL-04-S

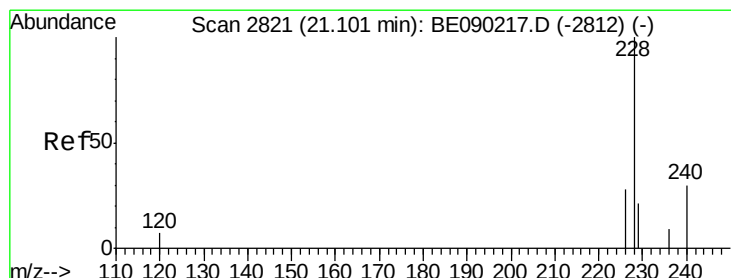
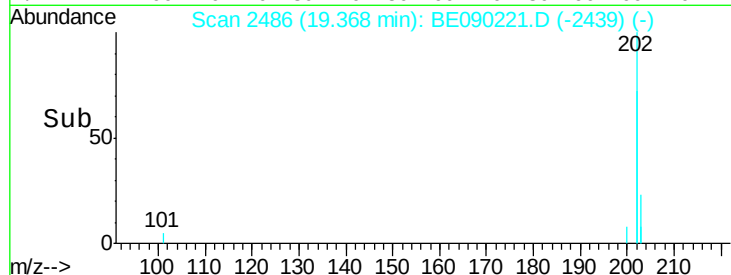
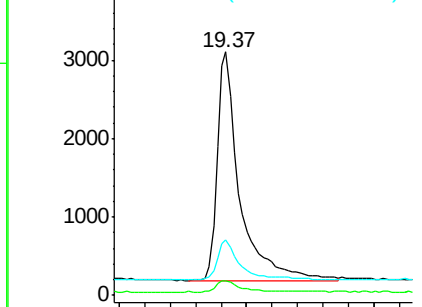
Tgt Ion:	202	Resp:	7130
Ion Ratio	Lower	Upper	
202	100		
200	6.1	4.4	6.6
203	22.9	14.6	22.0#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.10 min Scan# 2821

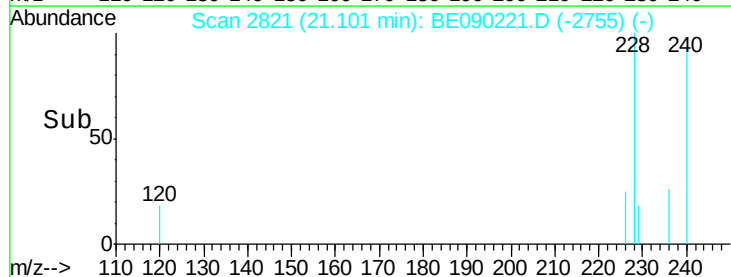
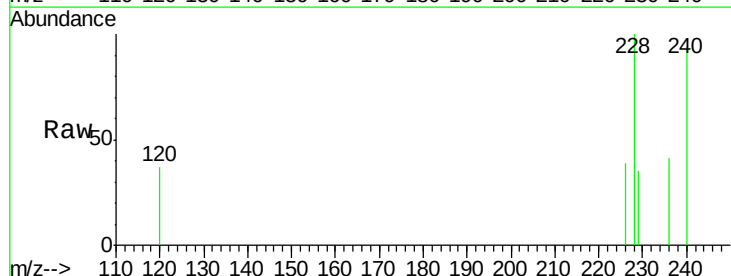
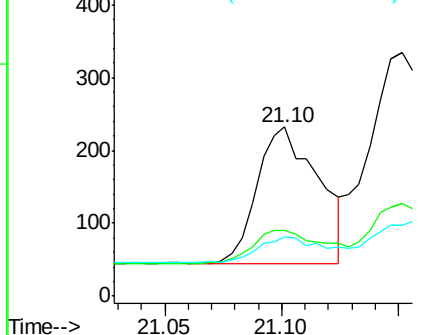
Delta R.T. -0.00 min

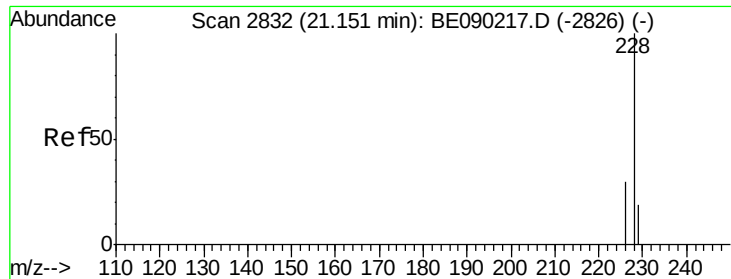
Lab File: BE090221.D

Acq: 22 Jul 2015 5:40

Tgt Ion:	228	Resp:	340
Ion Ratio	Lower	Upper	
228	100		
226	39.2	24.1	36.1#
229	34.9	17.9	26.9#

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





#19

Chrysene

Concen: 0.10 ng/ul m

RT: 21.15 min Scan# 2832

Delta R.T. -0.00 min

Lab File: BE090221.D

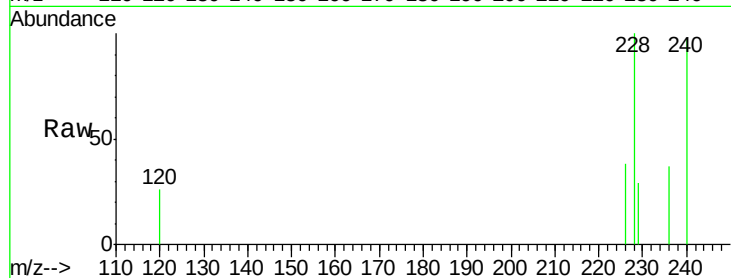
Acq: 22 Jul 2015 5:40

Instrument :

BNA_E

ClientSampleId :

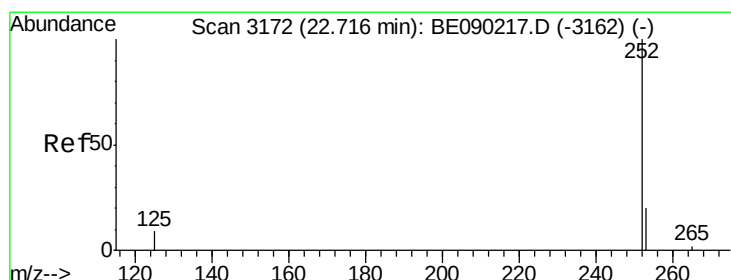
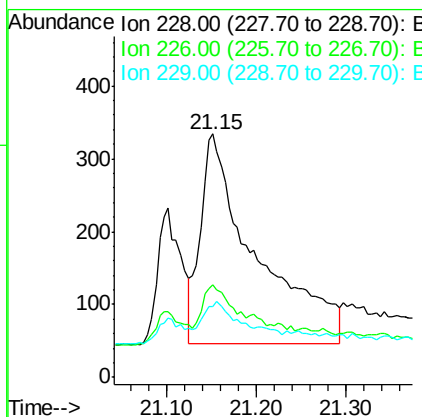
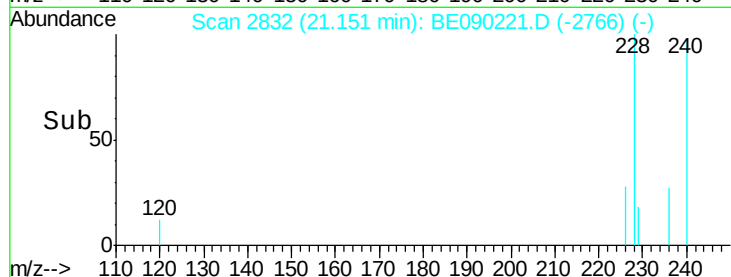
MDL-04-S



Tgt Ion:	228	Resp:	1235
Ion Ratio	Lower	Upper	
228	100		
226	38.0	24.6	36.8#
229	29.0	17.4	26.2#

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#21

Benzo(b)fluoranthene

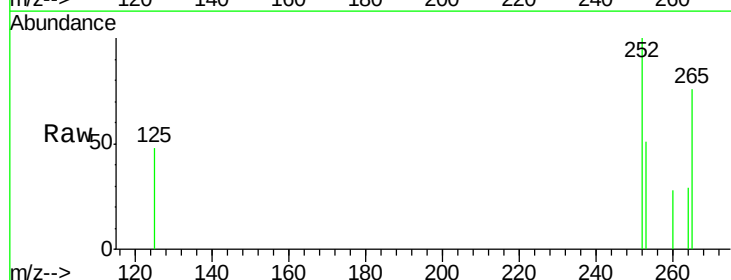
Concen: 0.11 ng/ul

RT: 22.72 min Scan# 3173

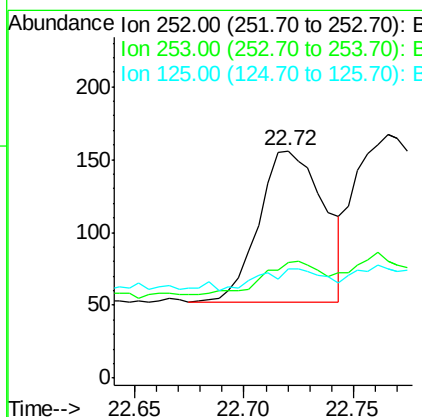
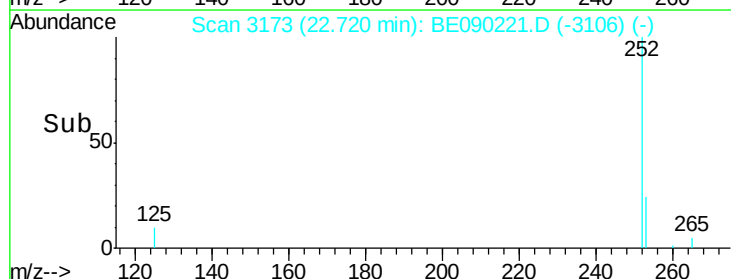
Delta R.T. 0.00 min

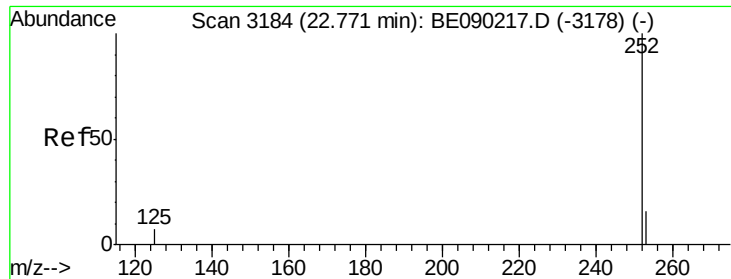
Lab File: BE090221.D

Acq: 22 Jul 2015 5:40



Tgt Ion:	252	Resp:	217
Ion Ratio	Lower	Upper	
252	100		
253	50.6	0.0	56.8
125	48.1	0.0	37.0#





#22

Benzo(k)fluoranthene

Concen: 0.07 ng/ul m

RT: 22.77 min Scan# 3183

Delta R.T. -0.01 min

Lab File: BE090221.D

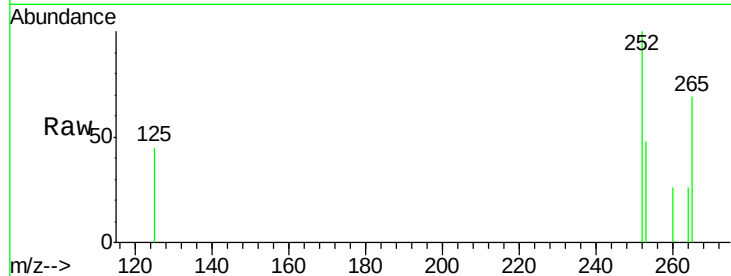
Acq: 22 Jul 2015 5:40

Instrument :

BNA_E

ClientSampleId :

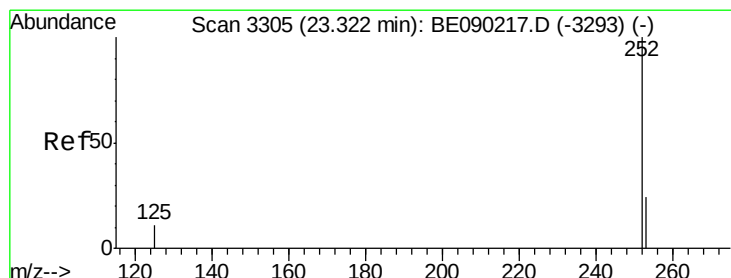
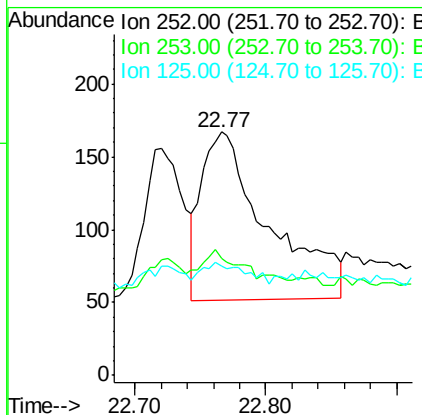
MDL-04-S



Tgt Ion:	252	Resp:	410
Ion Ratio	Lower	Upper	
252	100		
253	47.9	19.5	29.3#
125	44.9	11.9	17.9#

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#23

Benzo(a)pyrene

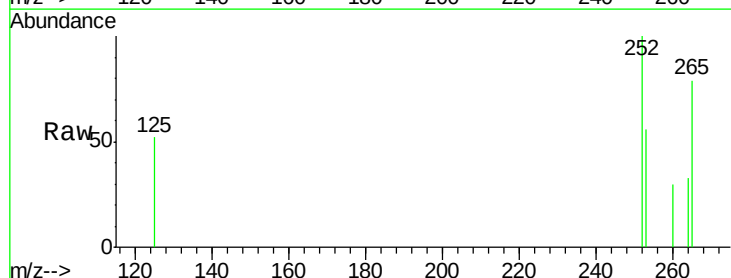
Concen: 0.07 ng/ul

RT: 23.32 min Scan# 3305

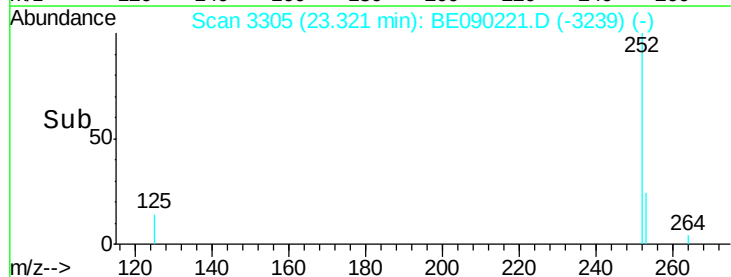
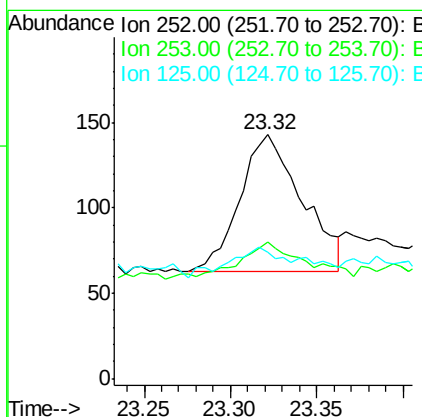
Delta R.T. -0.00 min

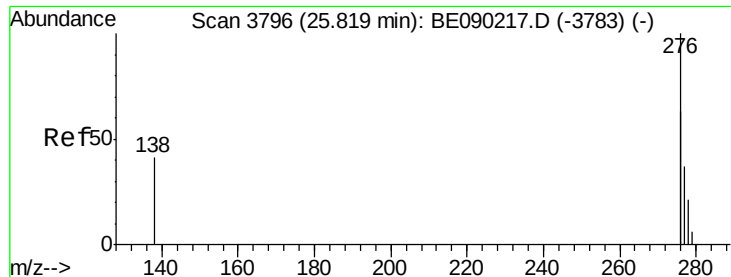
Lab File: BE090221.D

Acq: 22 Jul 2015 5:40



Tgt Ion:	252	Resp:	199
Ion Ratio	Lower	Upper	
252	100		
253	55.9	23.7	35.5#
125	51.7	15.4	23.2#





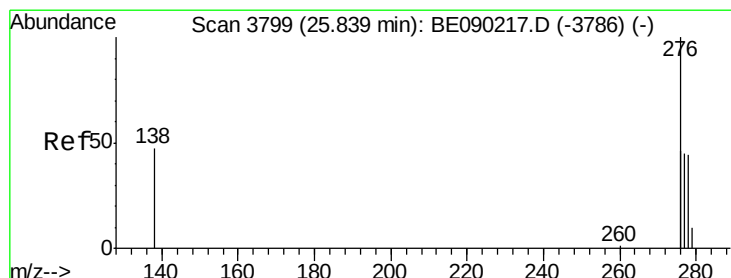
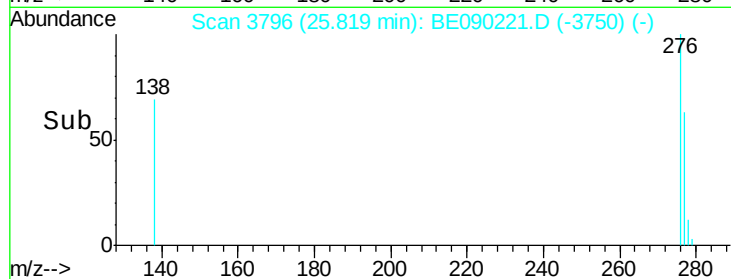
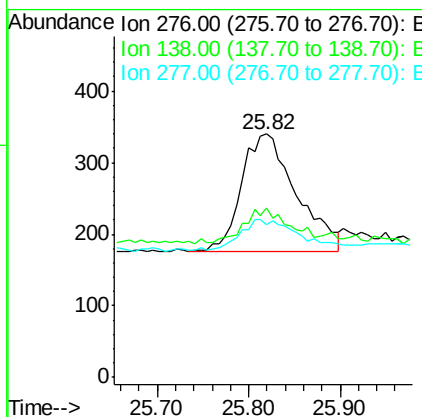
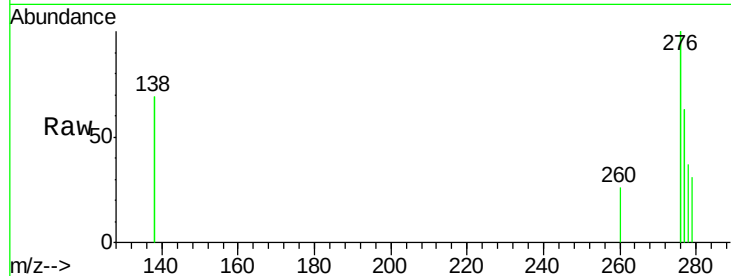
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.08 ng/ul
 RT: 25.82 min Scan# 3796
 Delta R.T. 0.00 min
 Lab File: BE090221.D
 Acq: 22 Jul 2015 5:40

Instrument :
 BNA_E
 ClientSampled :
 MDL-04-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	16.9	25.3
277	27.5	17.0	25.4

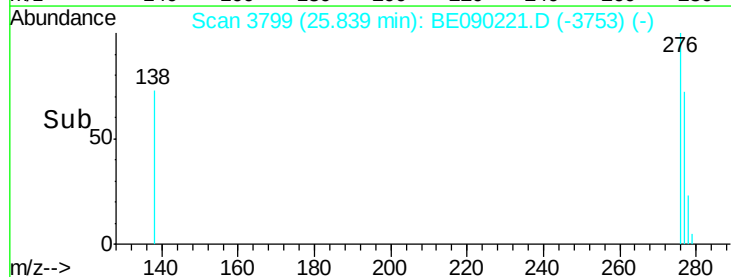
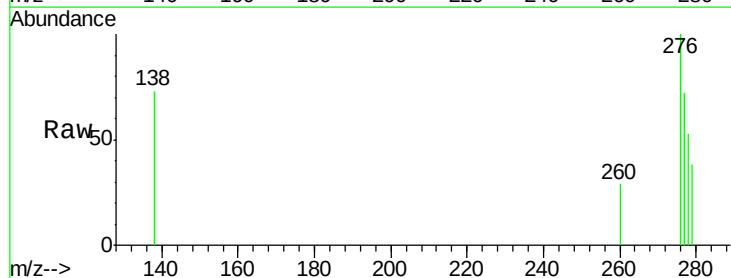
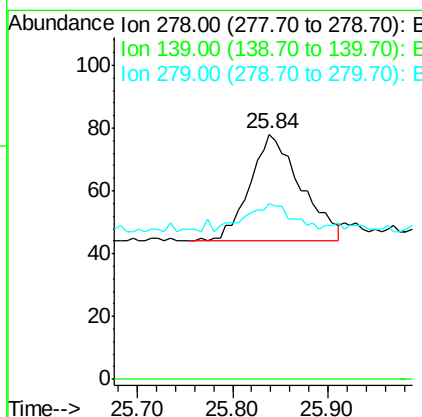
Manual Integrations
 APPROVED

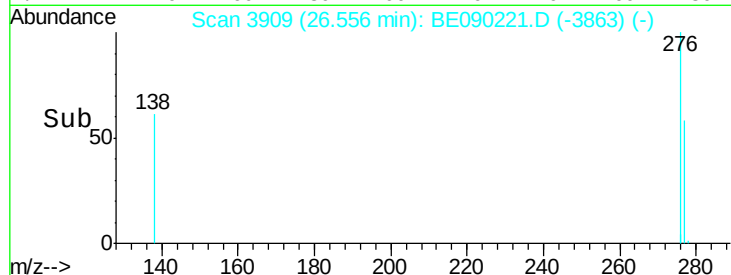
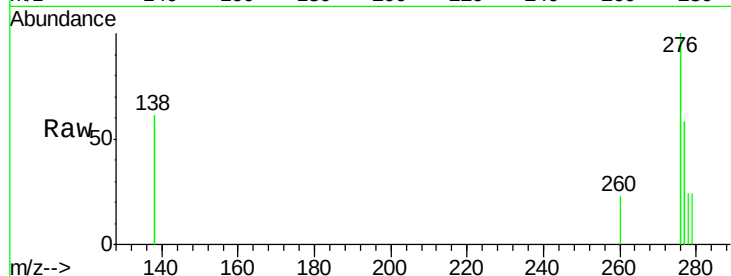
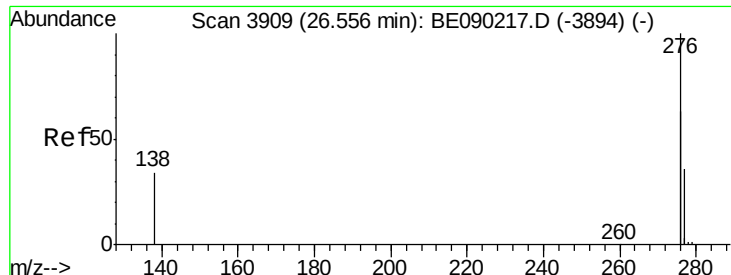
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.09 ng/ul
 RT: 25.84 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: BE090221.D
 Acq: 22 Jul 2015 5:40

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	71.8	30.1	45.1





#26
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. 0.00 min
Lab File: BE090221.D
Acq: 22 Jul 2015 5:40

Instrument :
BNA_E
ClientSampleId :
MDL-04-S

Tgt Ion	Ratio	Lower	Upper
276	100		
277	57.8	24.6	36.8#
138	61.5	23.5	35.3#

Manual Integrations
APPROVED

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