

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072215\
 Data File : BE090220.D
 Acq On : 22 Jul 2015 5:04
 Operator : TP/IZ
 Sample : MDL-03-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-S

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Quant Time: Jul 22 08:44:14 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	647	0.40	ng/ul	0.00
2) Naphthalene-d8	10.37	136	3161	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	1939	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5129	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	2549	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1250	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	1972	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.98	212	5463	0.37	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.42	128	899	0.11	ng/ul#	84
5) 2-Methylnaphthalene	12.03	142	645	0.11	ng/ul	95
7) Acenaphthylene	13.93	152	4487	0.11	ng/ul#	91
8) Acenaphthene	14.27	153	3163	0.11	ng/ul	99
9) Fluorene	15.27	166	945	0.11	ng/ul#	96
12) Phenanthrene	16.99	178	6405	0.11	ng/ul#	93
13) Anthracene	17.07	178	6497	0.11	ng/ul#	92
15) Fluoranthene	19.00	202	7698	0.12	ng/ul	92
17) Pyrene	19.37	202	7613	0.18	ng/ul#	92
18) Benzo(a)anthracene	21.10	228	366	0.09	ng/ul#	75
19) Chrysene	21.15	228	1417m	0.14	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	245	0.15	ng/ul#	56
22) Benzo(k)fluoranthene	22.77	252	425m	0.09	ng/ul	
23) Benzo(a)pyrene	23.32	252	290	0.12	ng/ul#	46
24) Indeno(1,2,3-cd)pyrene	25.82	276	856	0.12	ng/ul	93
25) Dibenzo(a,h)anthracene	25.83	278	147	0.12	ng/ul#	35
26) Benzo(g,h,i)perylene	26.55	276	1069	0.10	ng/ul#	44

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

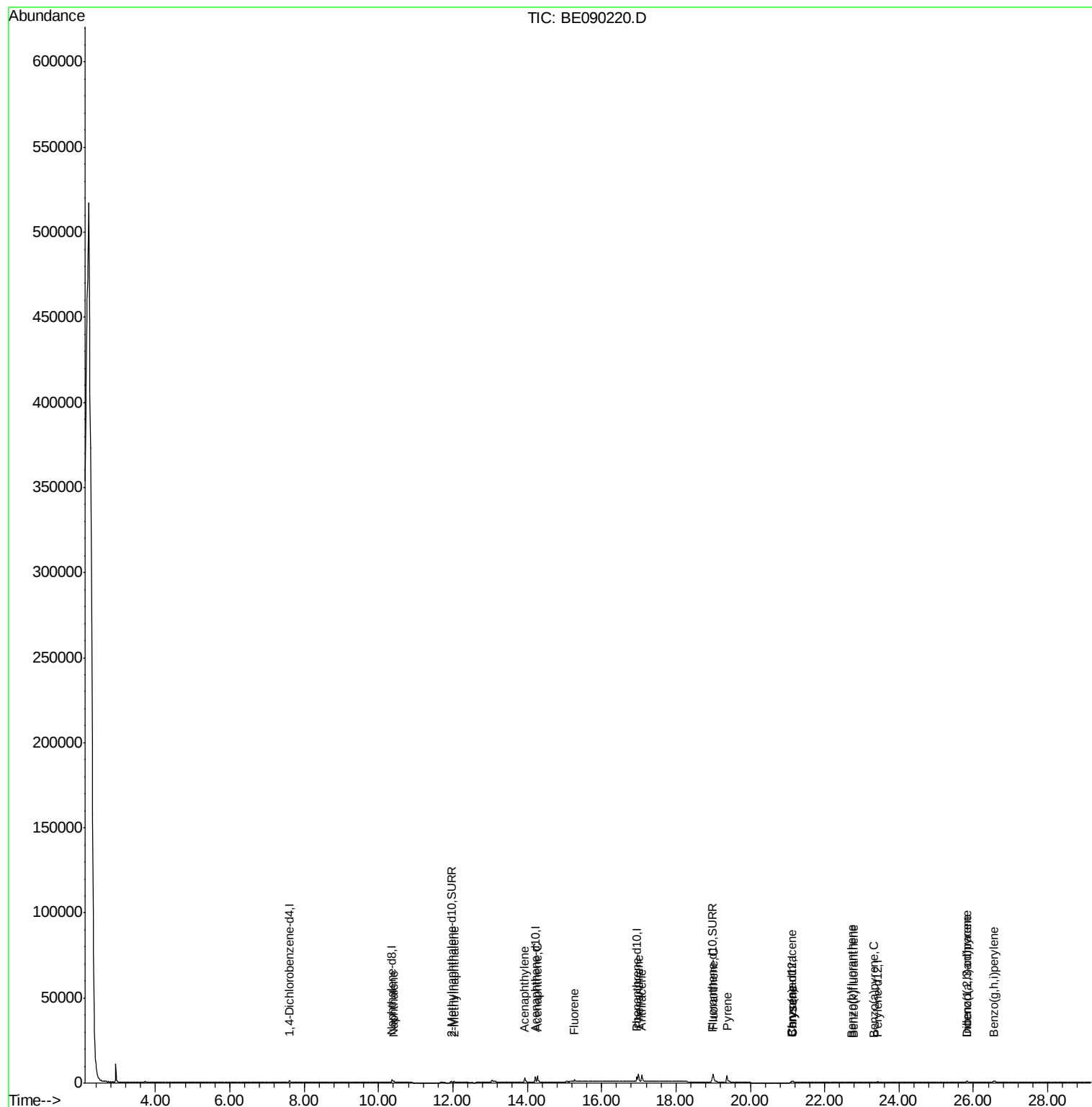
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072215\
Data File : BE090220.D
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Operator : TP/IZ
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Misc : MDL-SIM-SOIL-0.15PPM
ALS Vial : 19 Sample Multiplier: 1

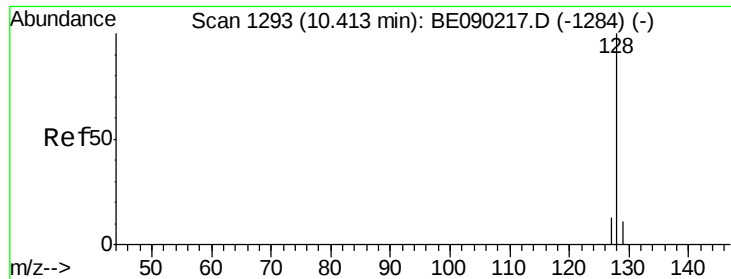
Instrument :
BNA_E
ClientSampleId :
MDL-03-S

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Quant Time: Jul 22 08:44:14 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: 0.11 ng/ul

RT: 10.42 min Scan# 1294

Delta R.T. 0.01 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

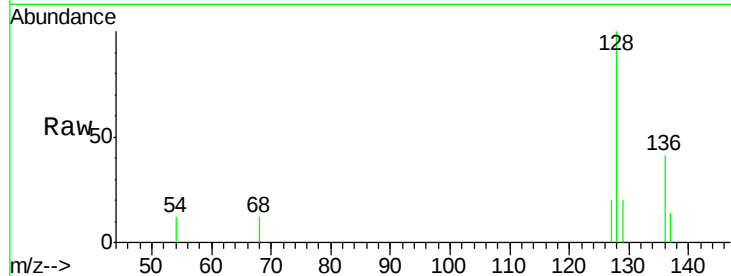
ClientSampleId :

MDL-03-S

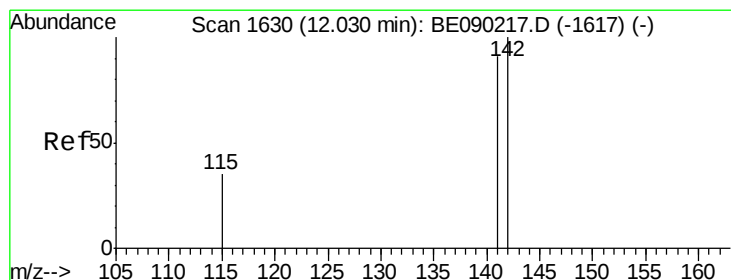
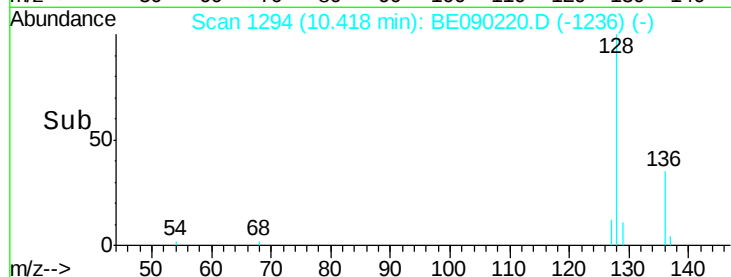
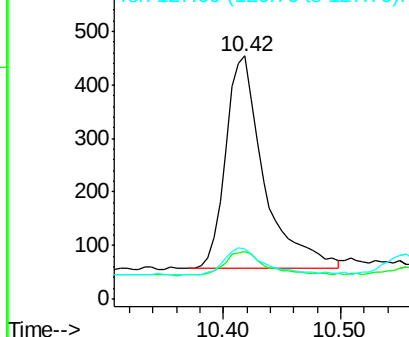
Tgt Ion:	128	Resp:	899
Ion Ratio	Lower	Upper	
128	100		
129	19.8	10.2	15.2#
127	20.5	11.8	17.6#

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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



#5

2-Methylnaphthalene

Concen: 0.11 ng/ul

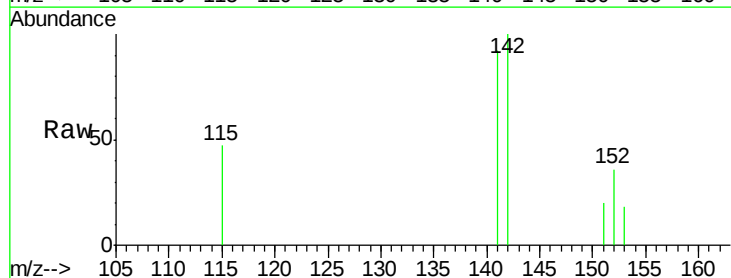
RT: 12.03 min Scan# 1630

Delta R.T. -0.00 min

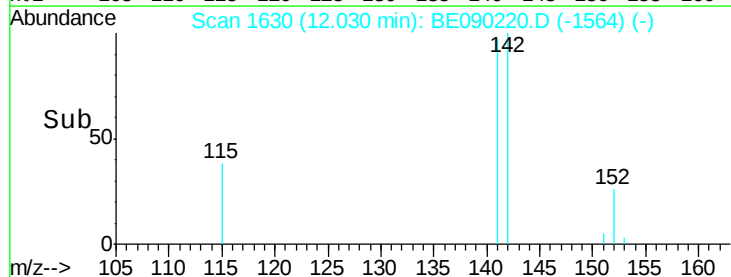
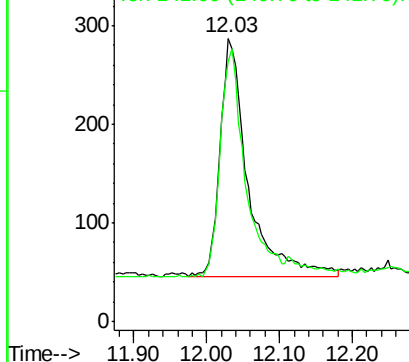
Lab File: BE090220.D

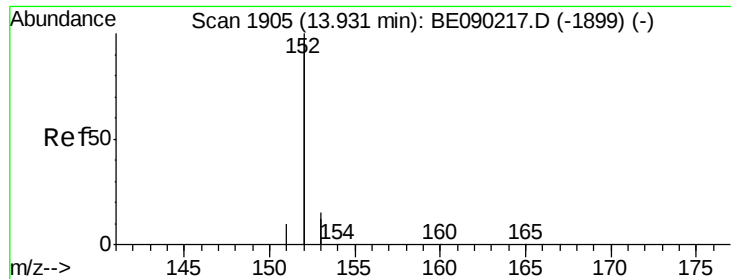
Acq: 22 Jul 2015 5:04

Tgt Ion:	142	Resp:	645
Ion Ratio	Lower	Upper	
142	100		
141	86.5	73.0	109.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 13.93 min Scan# 1905

Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

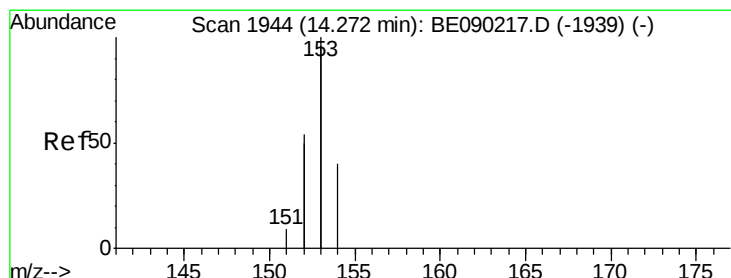
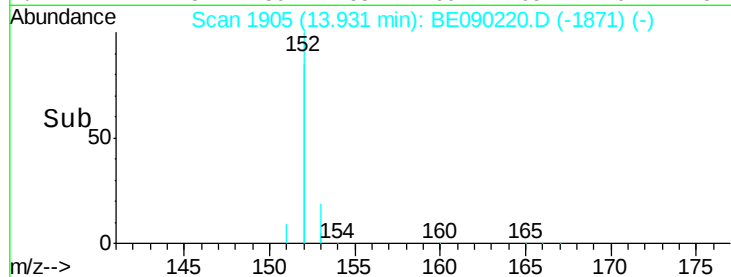
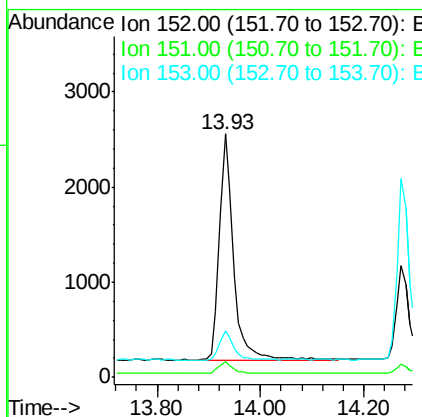
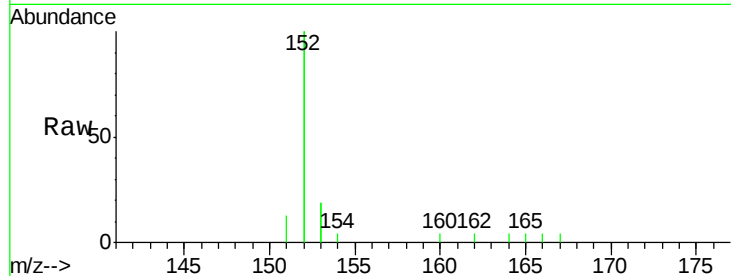
ClientSampleId :

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Tgt Ion:	152	Resp:	4487
Ion Ratio	Lower	Upper	
152	100		
151	6.5	4.2	6.4#
153	19.1	11.5	17.3#

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#8

Acenaphthene

Concen: 0.11 ng/ul

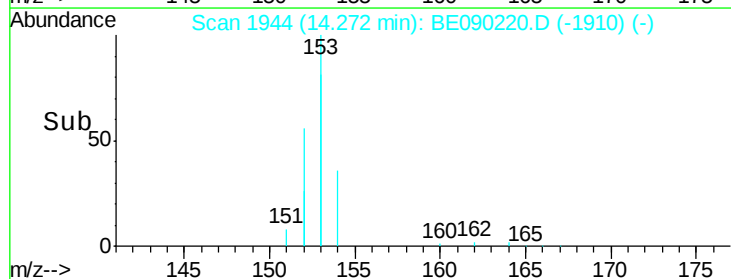
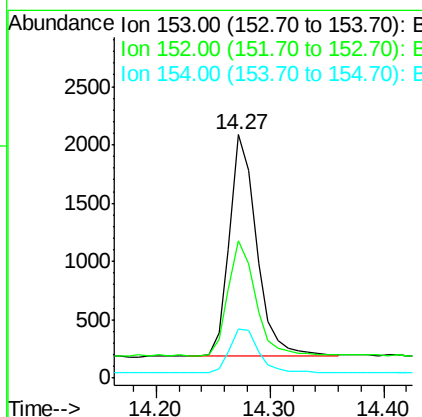
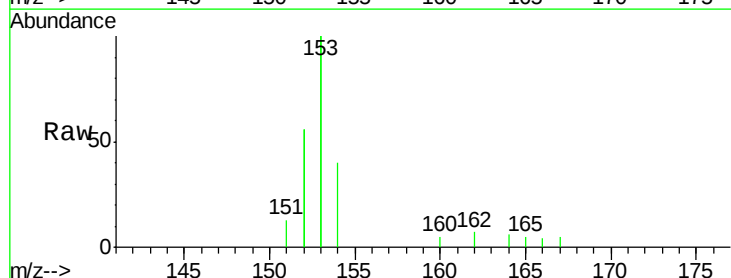
RT: 14.27 min Scan# 1944

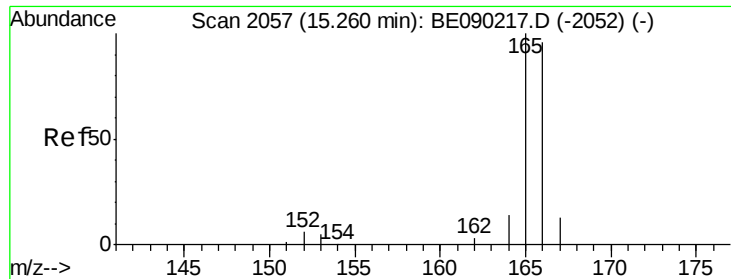
Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Tgt Ion:	153	Resp:	3163
Ion Ratio	Lower	Upper	
153	100		
152	56.4	45.0	67.4
154	20.2	16.8	25.2





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.27 min Scan# 2058

Delta R.T. 0.01 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

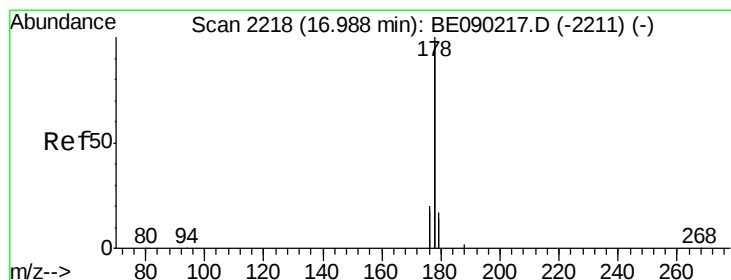
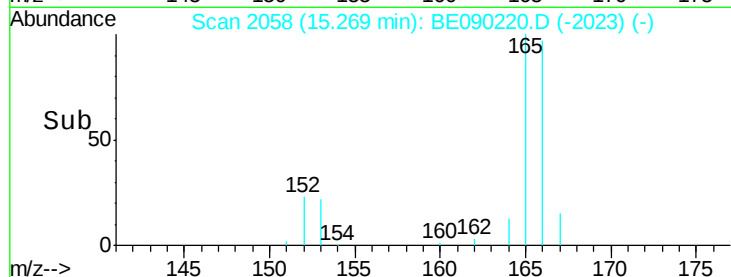
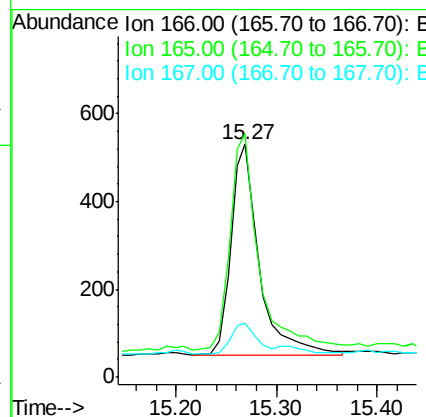
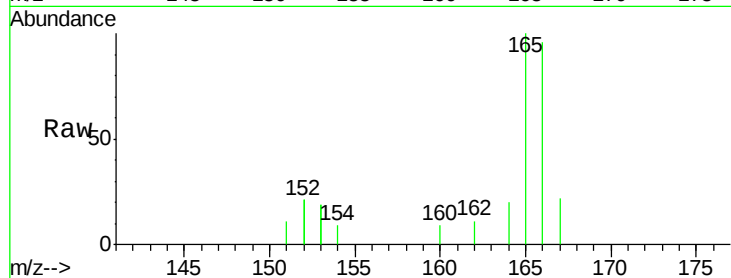
ClientSampleId :

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Tgt Ion:	166	Resp:	945
Ion Ratio	Lower	Upper	
166	100		
165	104.5	81.9	122.9
167	23.4	12.2	18.2

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#12

Phenanthrene

Concen: 0.11 ng/ul

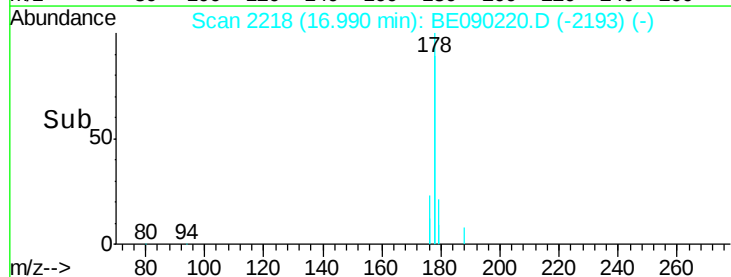
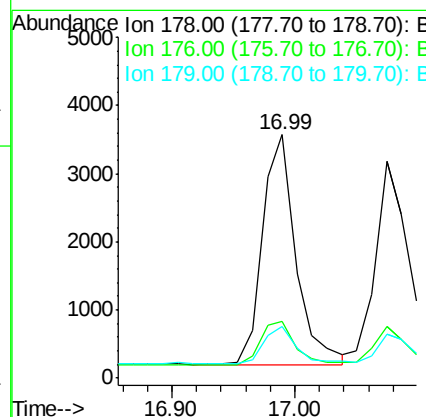
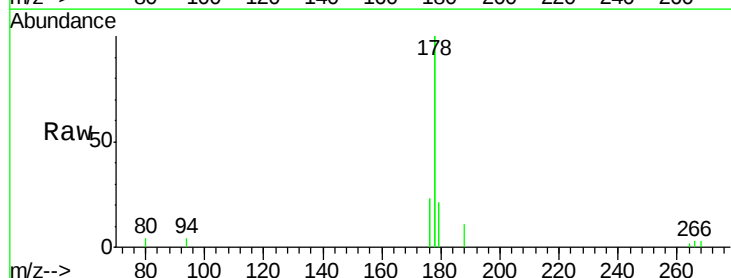
RT: 16.99 min Scan# 2218

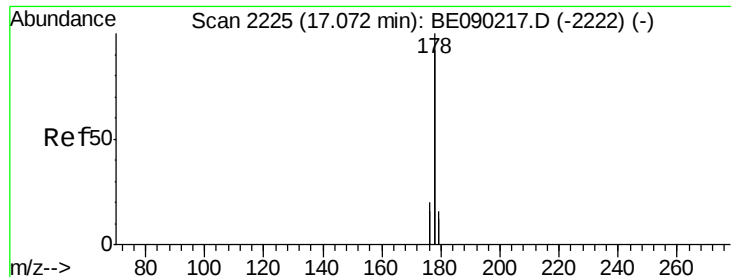
Delta R.T. 0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Tgt Ion:	178	Resp:	6405
Ion Ratio	Lower	Upper	
178	100		
176	23.1	17.6	26.4
179	21.0	12.2	18.4





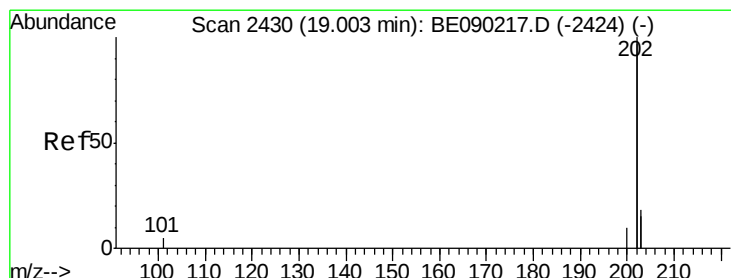
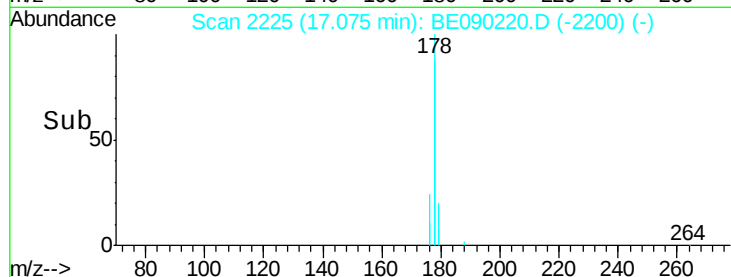
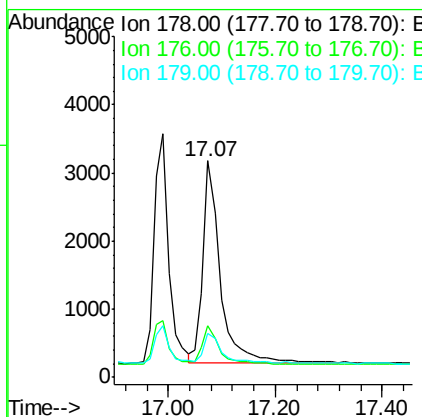
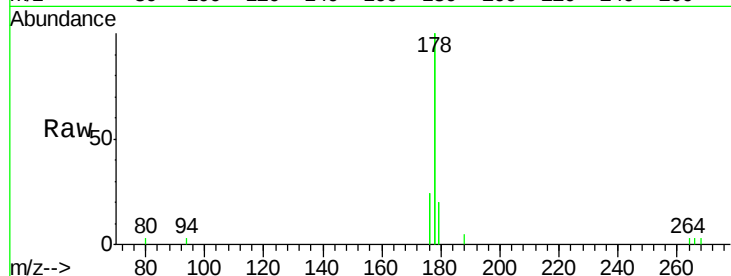
#13
 Anthracene
 Concen: 0.11 ng/ul
 RT: 17.07 min Scan# 2225
 Delta R.T. 0.00 min
 Lab File: BE090220.D
 Acq: 22 Jul 2015 5:04

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.0	15.9	23.9#
179	20.0	13.3	19.9#

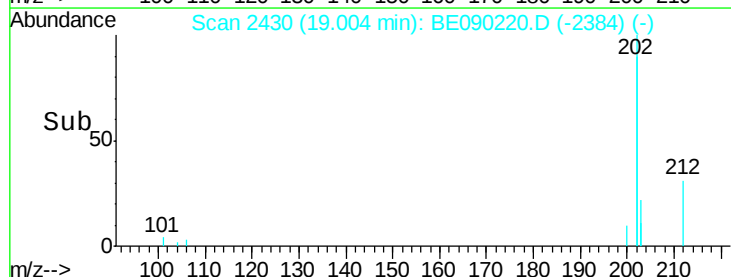
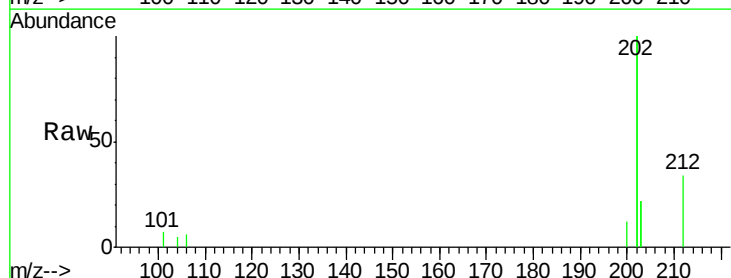
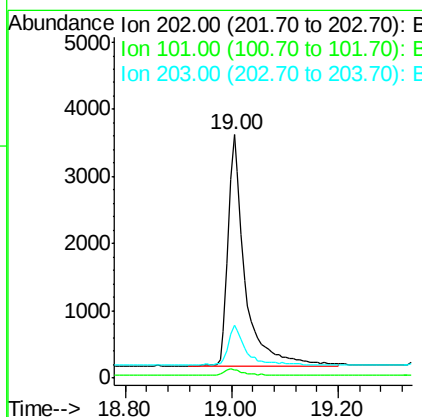
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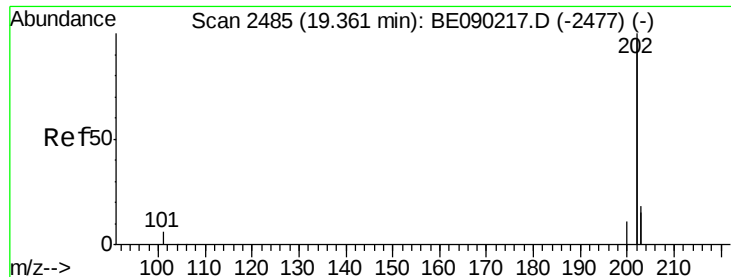
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#15
 Fluoranthene
 Concen: 0.12 ng/ul
 RT: 19.00 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: BE090220.D
 Acq: 22 Jul 2015 5:04

Tgt Ion	Ratio	Lower	Upper
202	100		
101	3.4	0.0	23.0
203	21.6	0.0	37.8





#17

Pyrene

Concen: 0.18 ng/ul

RT: 19.37 min Scan# 2486

Delta R.T. 0.01 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

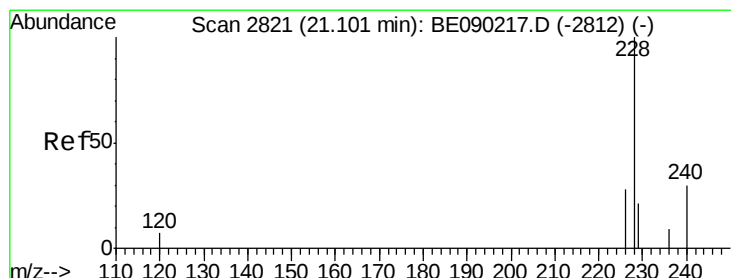
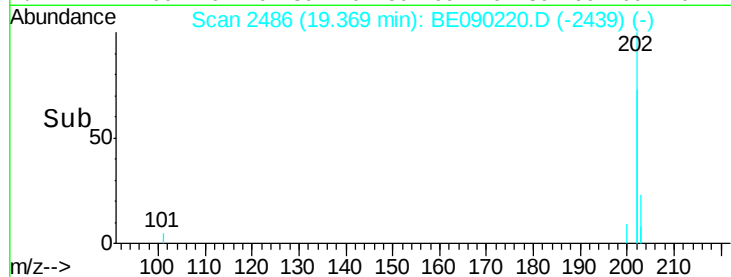
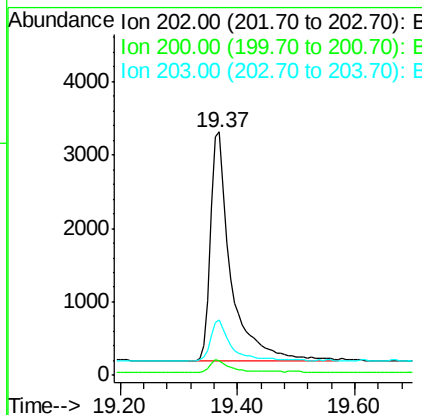
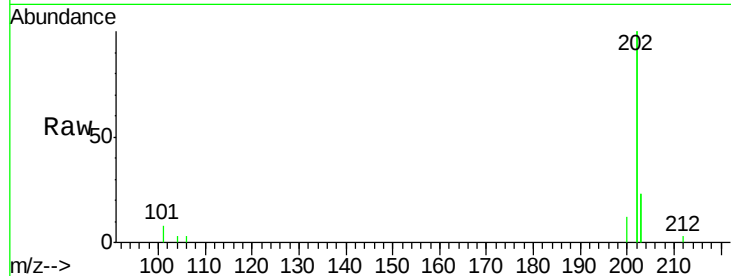
ClientSampleId :

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Tgt Ion:	202	Resp:	7613
Ion Ratio	Lower	Upper	
202	100		
200	6.0	4.4	6.6
203	22.8	14.6	22.0#

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#18

Benzo(a)anthracene

Concen: 0.09 ng/ul

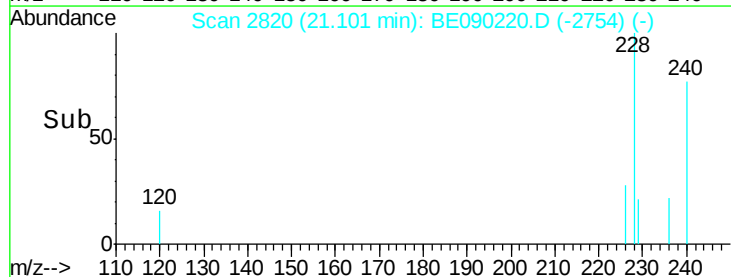
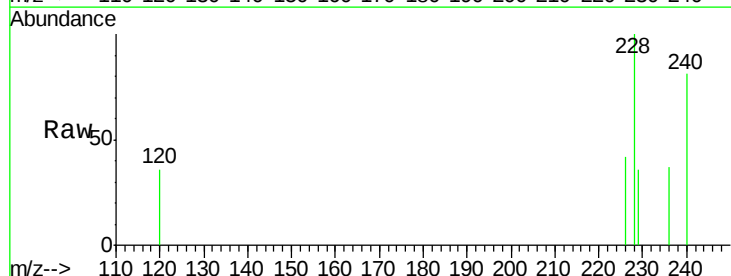
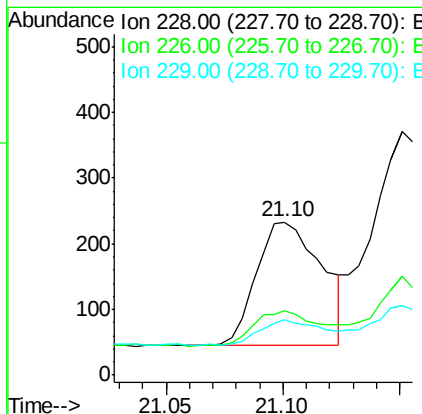
RT: 21.10 min Scan# 2820

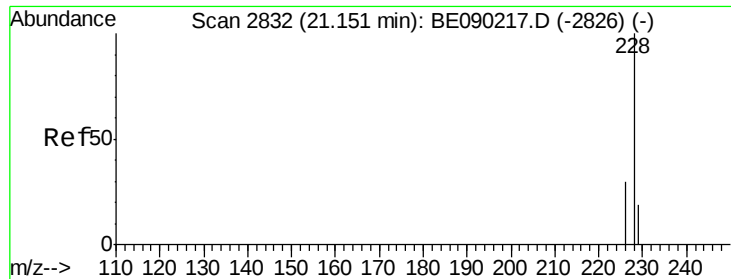
Delta R.T. -0.00 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Tgt Ion:	228	Resp:	366
Ion Ratio	Lower	Upper	
228	100		
226	42.1	24.1	36.1#
229	36.1	17.9	26.9#





#19

Chrysene

Concen: 0.14 ng/ul m

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090220.D

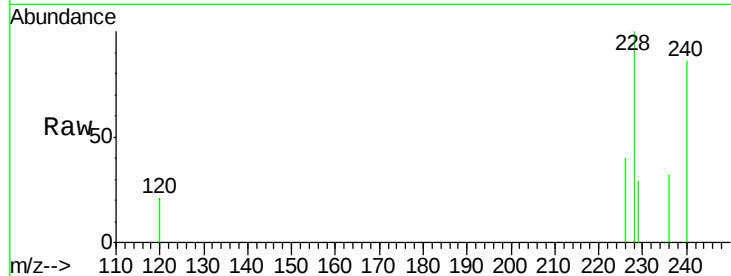
Acq: 22 Jul 2015 5:04

Instrument :

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ClientSampleId :

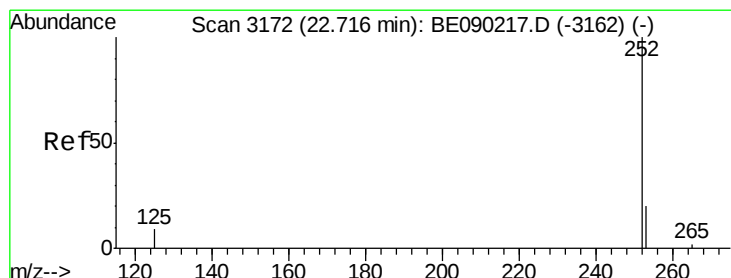
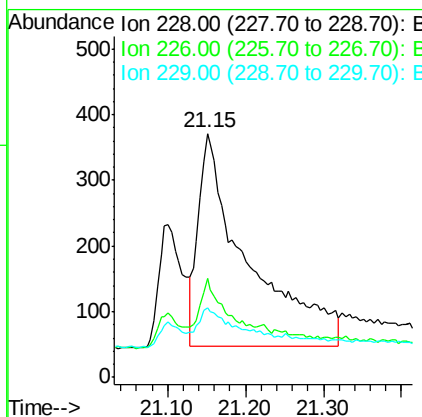
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Tgt Ion	Ratio	Lower	Upper
228	100		
226	40.4	24.6	36.8#
229	28.6	17.4	26.2#

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#21

Benzo(b)fluoranthene

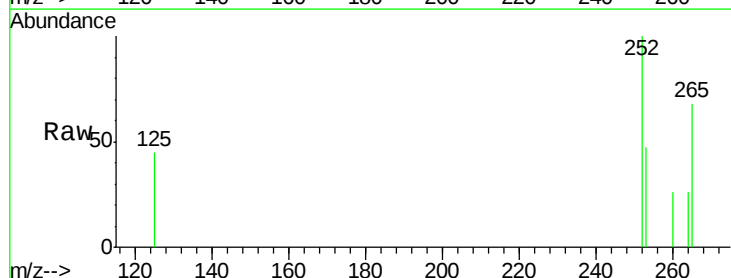
Concen: 0.15 ng/ul

RT: 22.72 min Scan# 3173

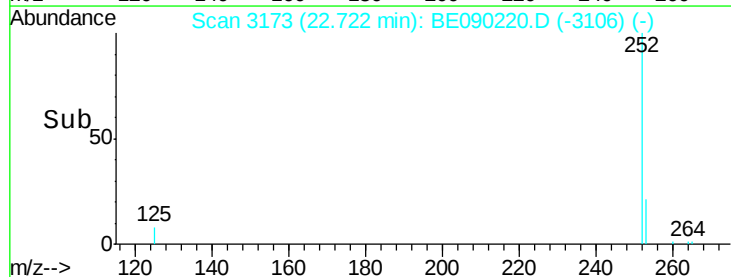
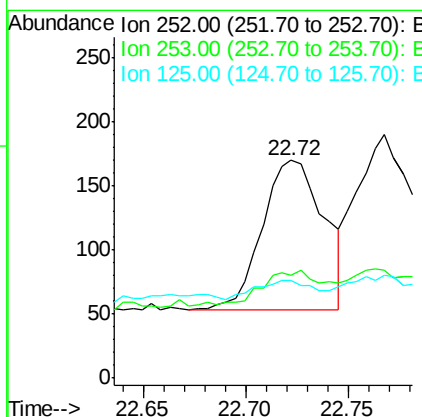
Delta R.T. 0.01 min

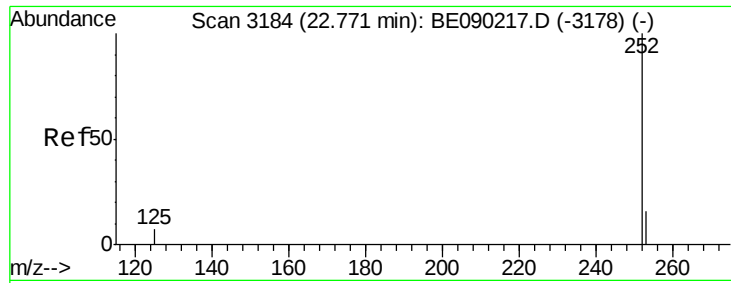
Lab File: BE090220.D

Acq: 22 Jul 2015 5:04



Tgt Ion	Ratio	Lower	Upper
252	100		
253	47.1	0.0	56.8
125	44.7	0.0	37.0#





#22

Benzo(k)fluoranthene

Concen: 0.09 ng/ul m

RT: 22.77 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090220.D

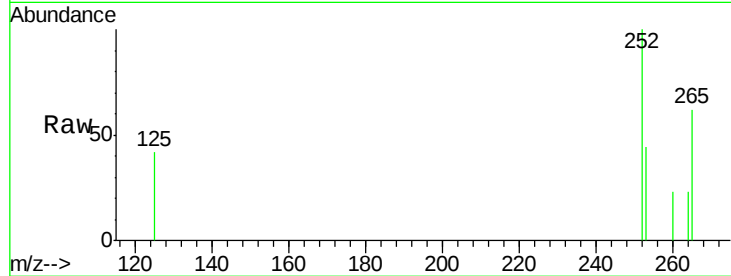
Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

ClientSampleId :

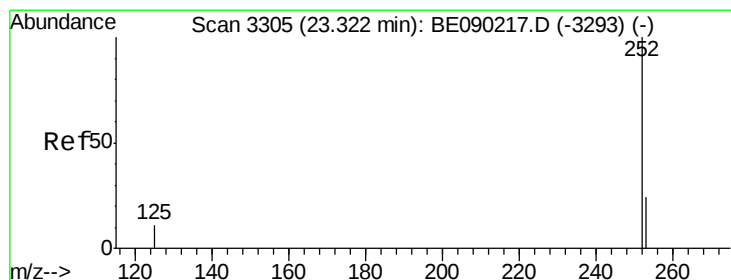
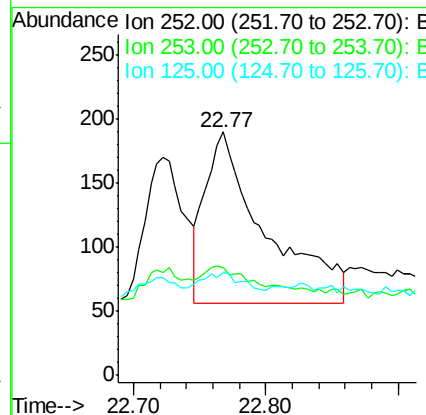
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	44.2	19.5	29.3#
125	42.1	11.9	17.9#

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#23

Benzo(a)pyrene

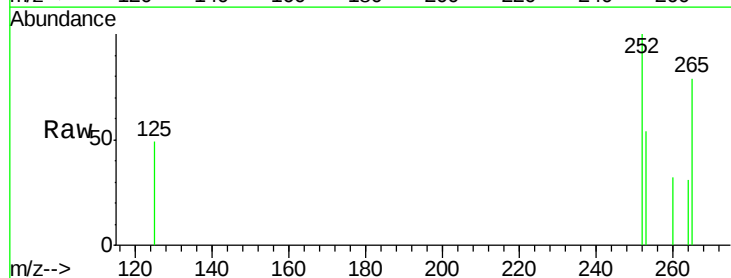
Concen: 0.12 ng/ul

RT: 23.32 min Scan# 3305

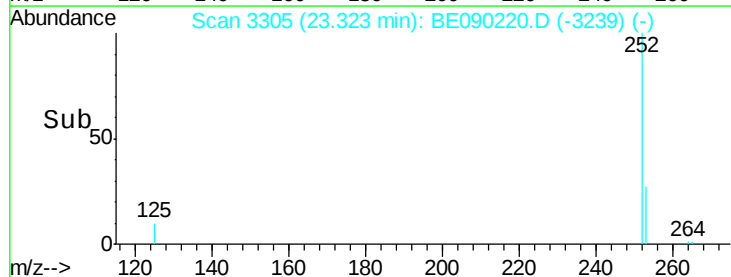
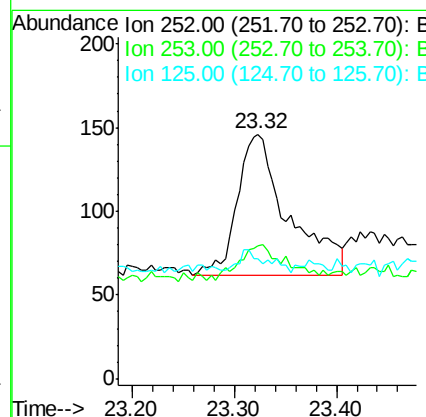
Delta R.T. 0.00 min

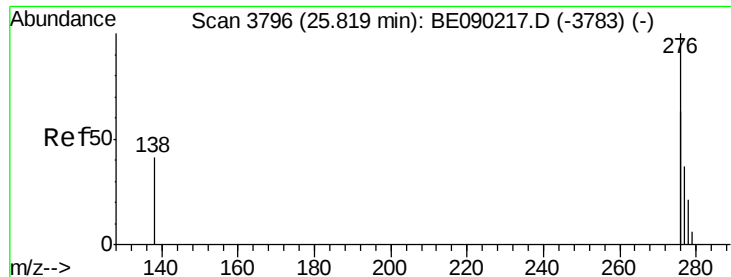
Lab File: BE090220.D

Acq: 22 Jul 2015 5:04



Tgt Ion	Ratio	Lower	Upper
252	100		
253	54.1	23.7	35.5#
125	49.3	15.4	23.2#





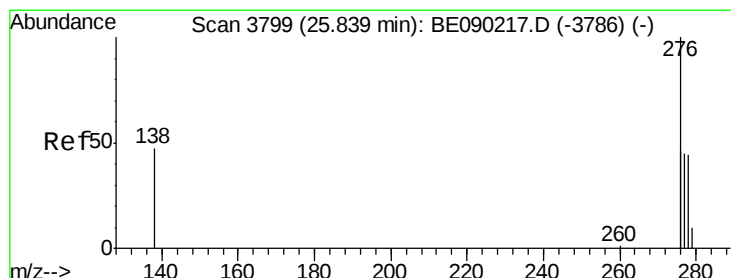
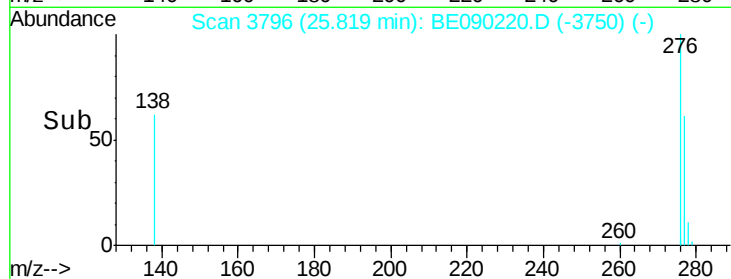
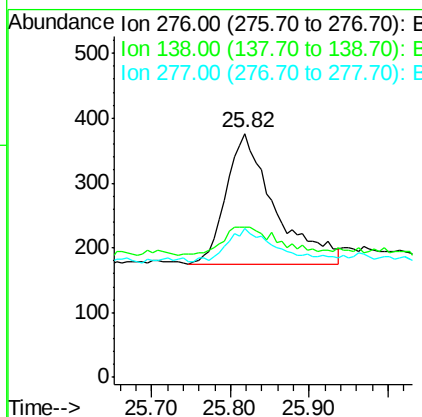
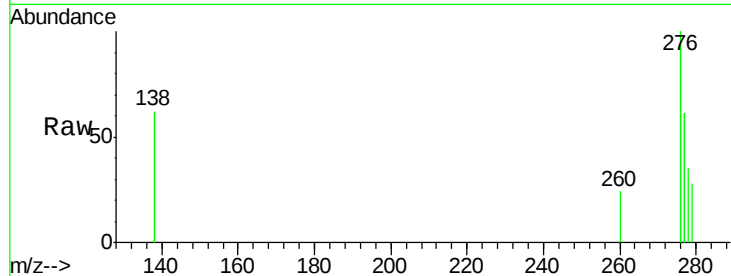
#24
 Indeno(1,2,3-cd)pyrene
 Concen: 0.12 ng/ul
 RT: 25.82 min Scan# 3796
 Delta R.T. -0.00 min
 Lab File: BE090220.D
 Acq: 22 Jul 2015 5:04

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-S

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.1	16.9	25.3
277	24.2	17.0	25.4

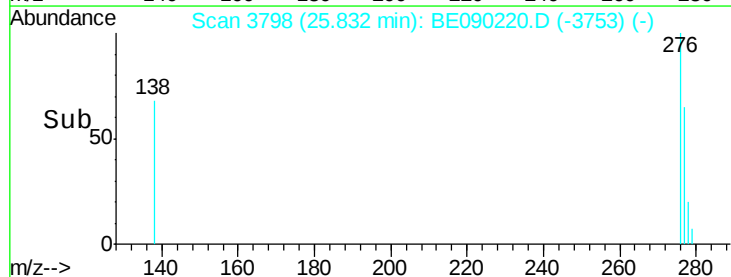
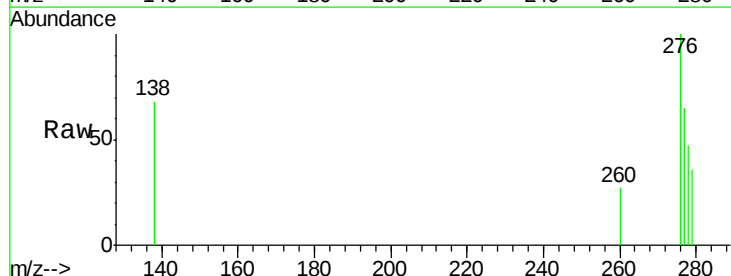
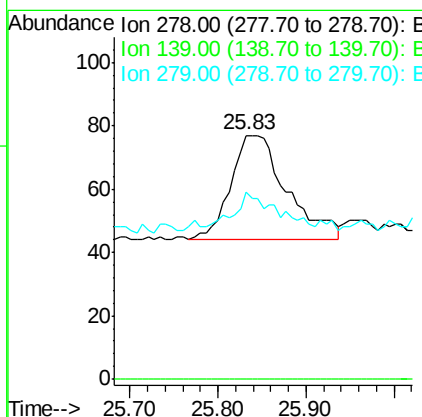
Manual Integrations
 APPROVED

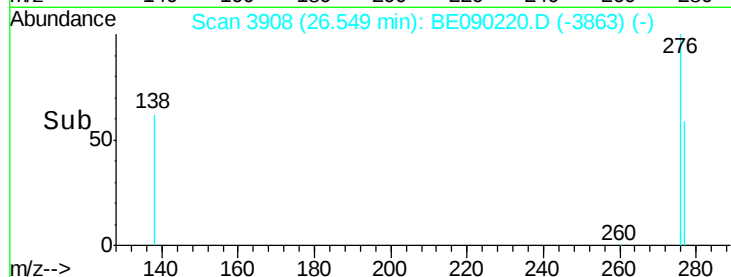
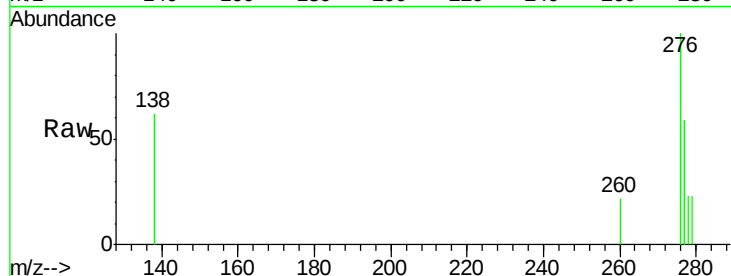
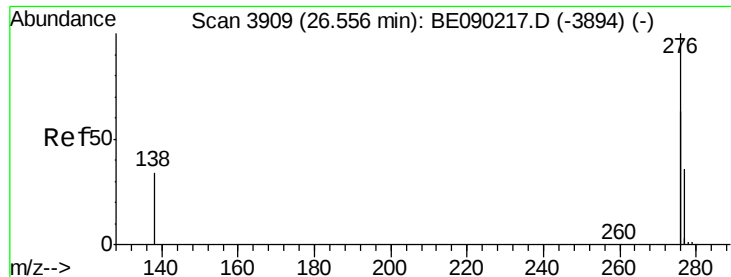
apatel
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#25
 Dibenzo(a,h)anthracene
 Concen: 0.12 ng/ul
 RT: 25.83 min Scan# 3798
 Delta R.T. -0.01 min
 Lab File: BE090220.D
 Acq: 22 Jul 2015 5:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	76.6	30.1	45.1#





#26

Benzo(g,h,i)perylene

Concen: 0.10 ng/ul

RT: 26.55 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BE090220.D

Acq: 22 Jul 2015 5:04

Instrument :

BNA_E

ClientSampleId :

MDL-03-S

Tgt Ion: 276 Resp: 1069

Ion Ratio Lower Upper

276 100

277 58.7 24.6 36.8#

138 61.7 23.5 35.3#

Manual Integrations
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