

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE073015\
 Data File : BE090298.D
 Acq On : 30 Jul 2015 15:13
 Operator : TP/IZ
 Sample : MDL-06-W
 Misc : MDL-SIM2.2-WATER-0.15PPM
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-06-W

Manual Integrations
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 7/31/2015 3:07:41 PM

Quant Time: Jul 31 06:38:31 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 31 06:10:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1052	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4341	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.21	164	2470	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5484	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3027	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	1923	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2758	0.41	ng/ul	0.01
14) Fluoranthene-d10	18.97	212	6090	0.40	ng/ul	0.00
Target Compounds				Qvalue		
3) Naphthalene	10.41	128	1611	0.14	ng/ul#	91
5) 2-Methylnaphthalene	12.03	142	989	0.13	ng/ul	94
7) Acenaphthylene	13.92	152	6981	0.14	ng/ul	95
8) Acenaphthene	14.27	153	4889	0.13	ng/ul	97
9) Fluorene	15.26	166	1317	0.13	ng/ul#	93
11) Pentachlorophenol	16.61	266	49	0.14	ng/ul	91
12) Phenanthrene	16.98	178	7853	0.13	ng/ul	93
13) Anthracene	17.07	178	8016	0.13	ng/ul#	92
15) Fluoranthene	19.00	202	9530	0.14	ng/ul	95
17) Pyrene	19.36	202	9585	0.17	ng/ul	94
18) Benzo(a)anthracene	21.10	228	595m	0.13	ng/ul	
19) Chrysene	21.15	228	2426m	0.18	ng/ul	
21) Benzo(b)fluoranthene	22.73	252	379m	0.13	ng/ul	
22) Benzo(k)fluoranthene	22.76	252	1152m	0.13	ng/ul	
23) Benzo(a)pyrene	23.32	252	391	0.10	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.81	276	1051	0.09	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.83	278	155	0.11	ng/ul#	63
26) Benzo(g,h,i)perylene	26.54	276	1836	0.11	ng/ul#	62

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

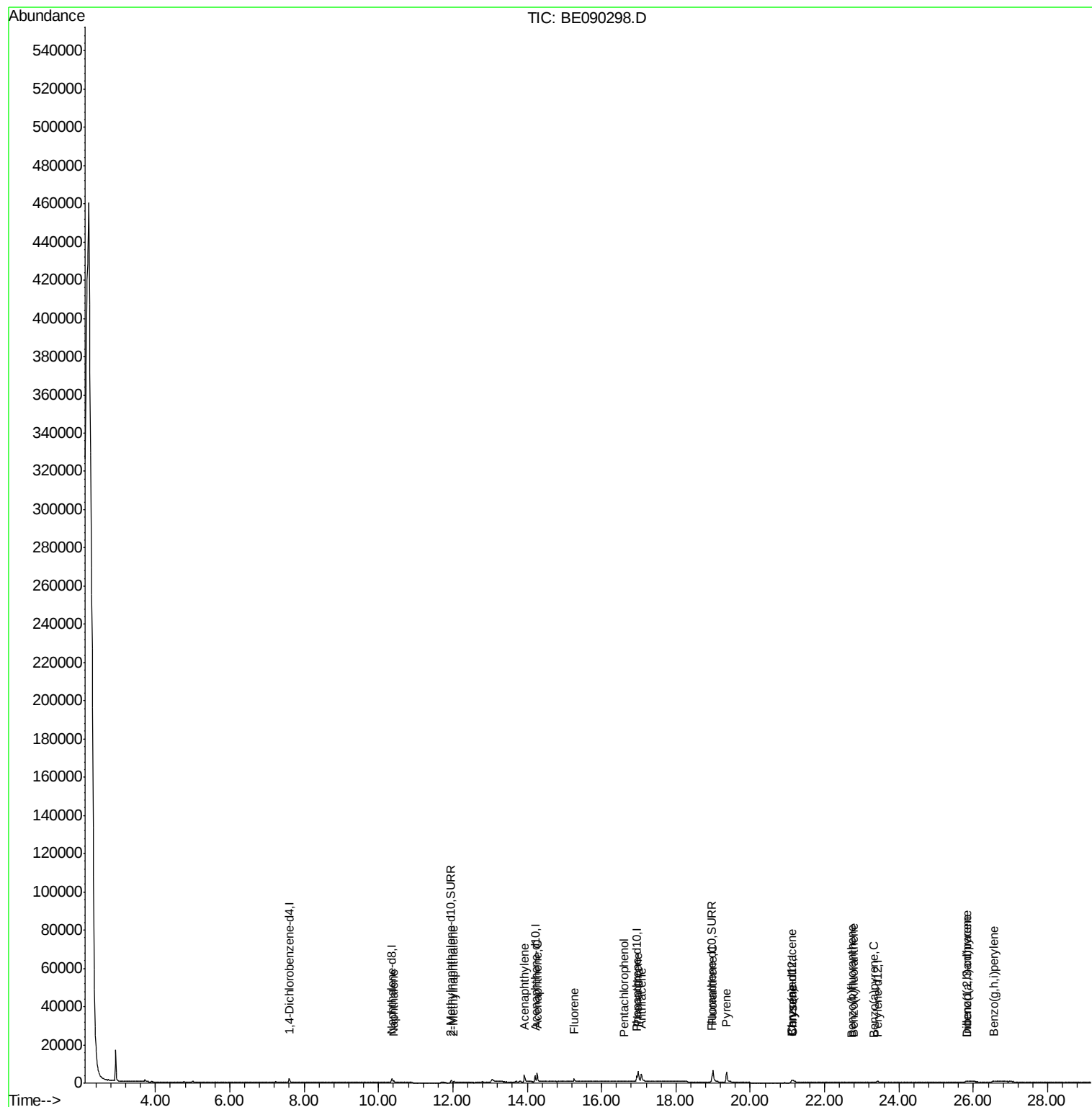
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE073015\
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ALS Vial : 8 Sample Multiplier: 1

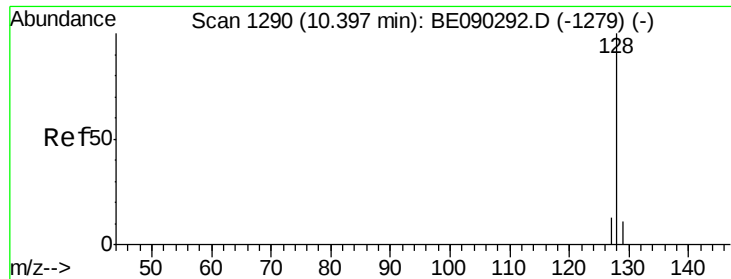
Instrument :
BNA_E
ClientSampleId :
MDL-06-W

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Quant Time: Jul 31 06:38:31 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 31 06:10:41 2015
Response via : Initial Calibration





#3

Naphthalene

Concen: 0.14 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE090298.D

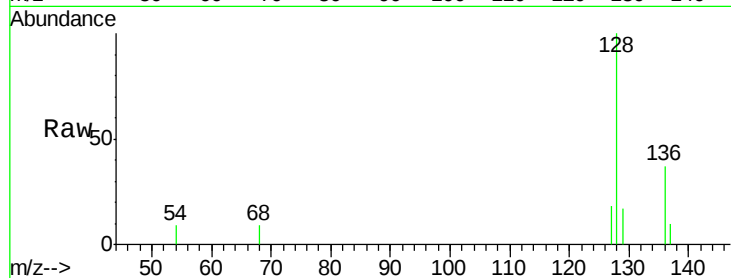
Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W



Tgt Ion:128 Resp: 1611

Ion Ratio Lower Upper

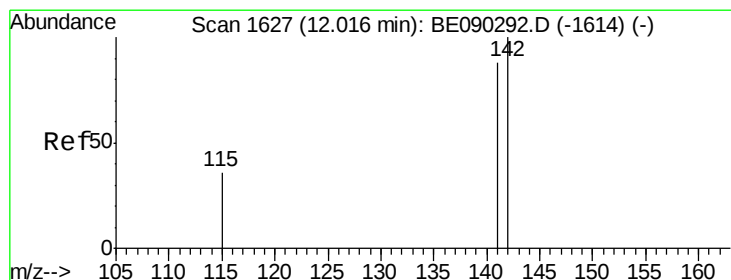
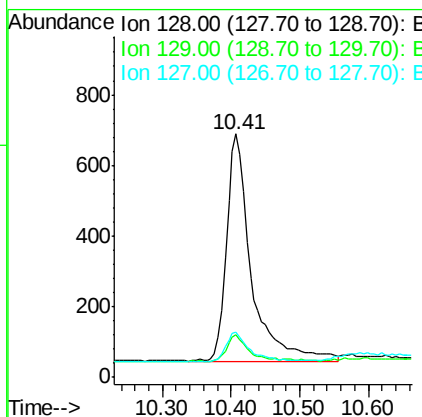
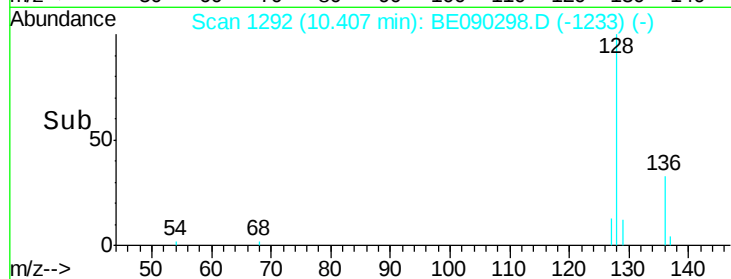
128 100

129 17.3 10.4 15.6#

127 18.4 12.1 18.1#

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#5

2-Methylnaphthalene

Concen: 0.13 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.01 min

Lab File: BE090298.D

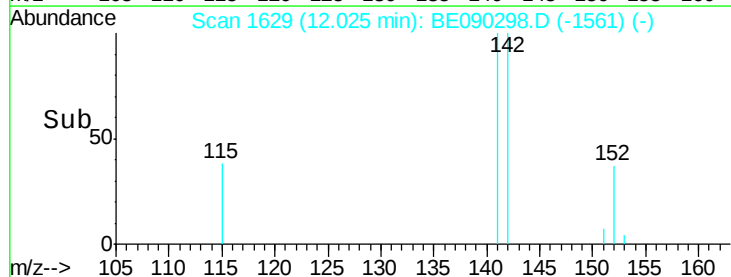
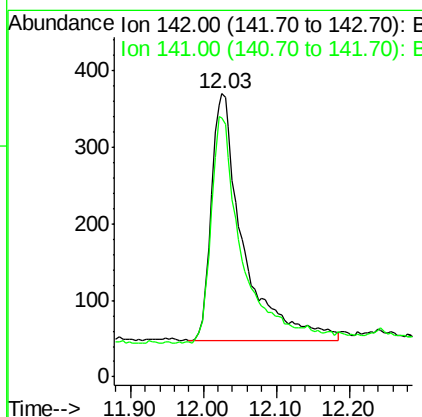
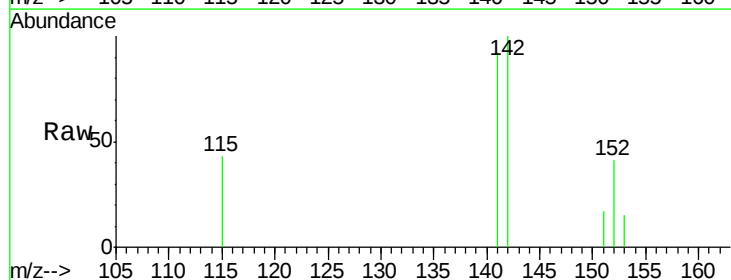
Acq: 30 Jul 2015 15:13

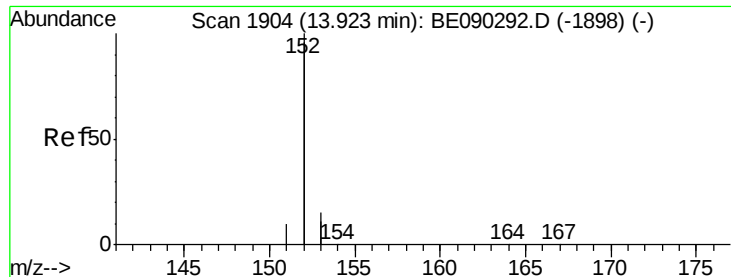
Tgt Ion:142 Resp: 989

Ion Ratio Lower Upper

142 100

141 85.1 73.0 109.4





#7

Acenaphthylene

Concen: 0.14 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090298.D

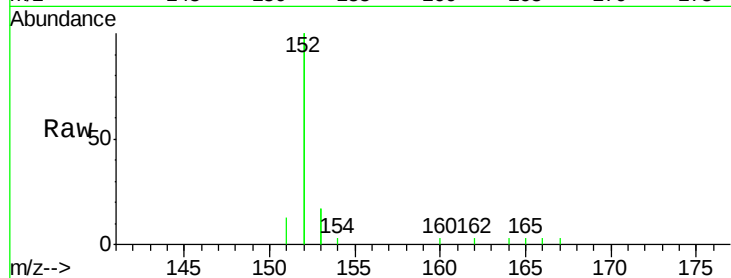
Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

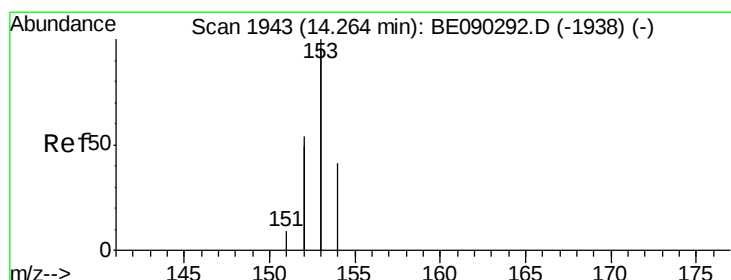
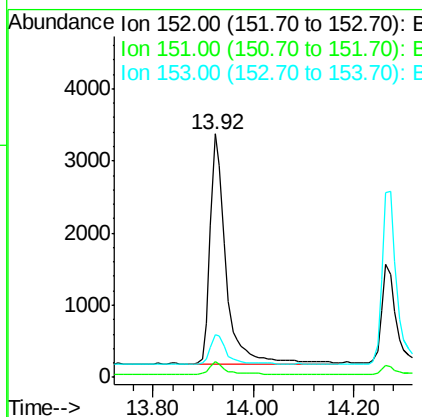
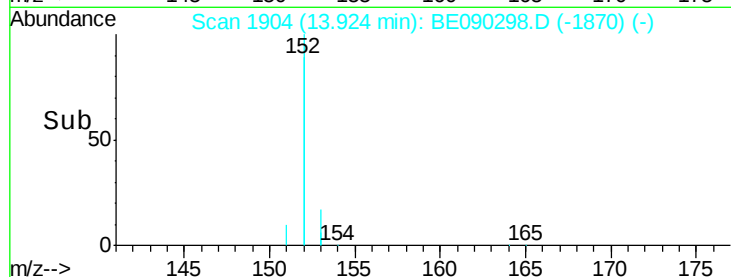
MDL-06-W



Tgt Ion:	152	Resp:	6981
Ion Ratio	Lower	Upper	
152	100		
151	6.3	4.3	6.5
153	17.3	11.9	17.9

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#8

Acenaphthene

Concen: 0.13 ng/ul

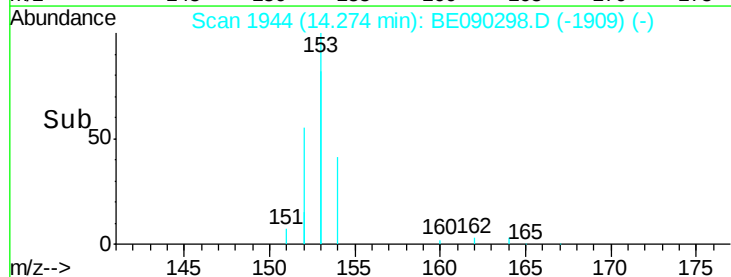
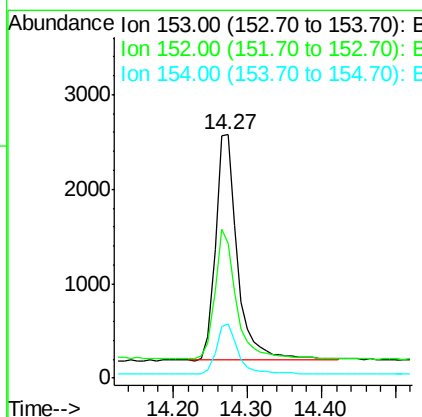
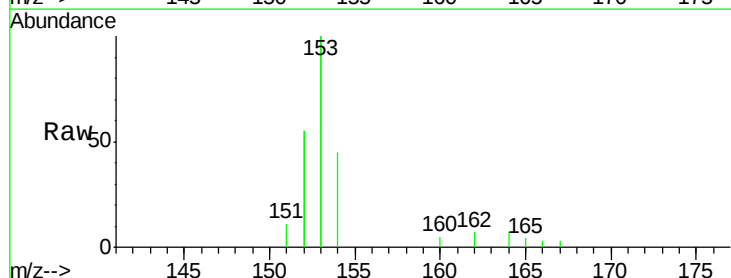
RT: 14.27 min Scan# 1944

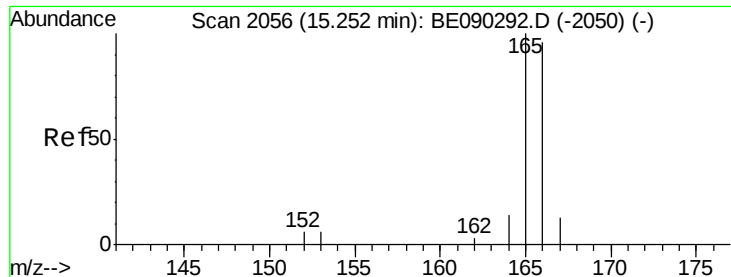
Delta R.T. 0.01 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Tgt Ion:	153	Resp:	4889
Ion Ratio	Lower	Upper	
153	100		
152	55.3	45.7	68.5
154	22.4	16.4	24.6





#9

Fluorene

Concen: 0.13 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.01 min

Lab File: BE090298.D

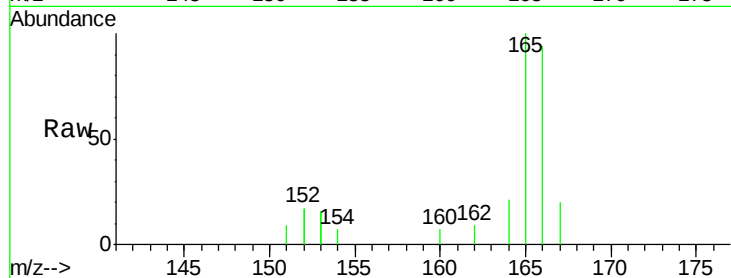
Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

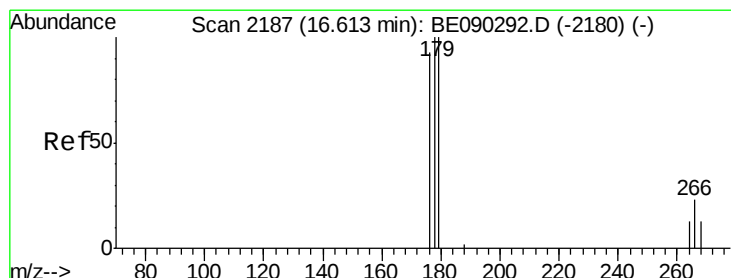
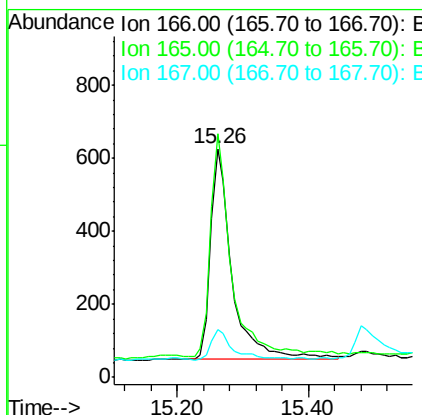
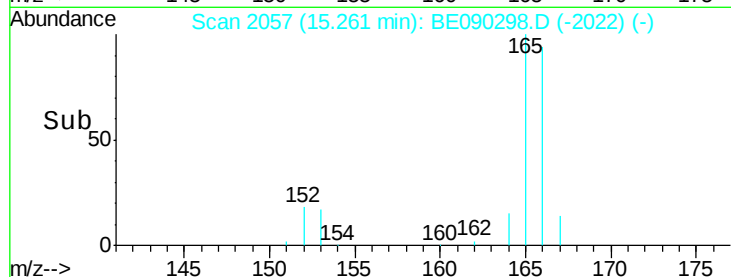
MDL-06-W



Tgt Ion:	166	Resp:	1317
Ion Ratio	Lower	Upper	
166	100		
165	106.4	80.3	120.5
167	20.9	12.4	18.6

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#11

Pentachlorophenol

Concen: 0.14 ng/ul

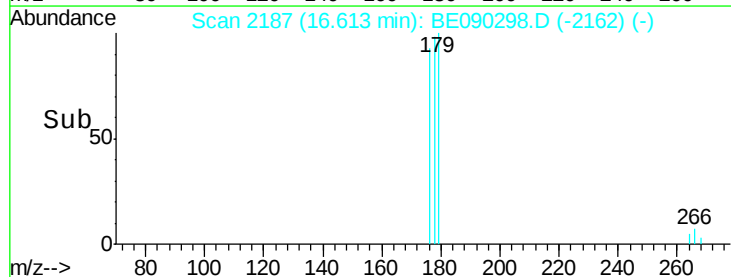
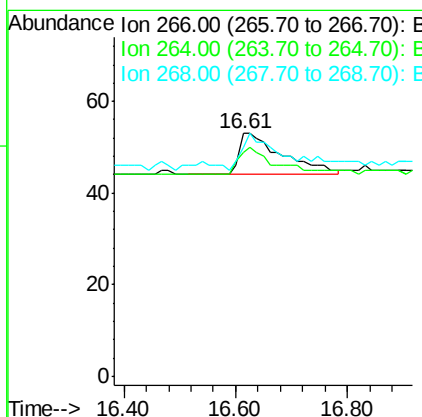
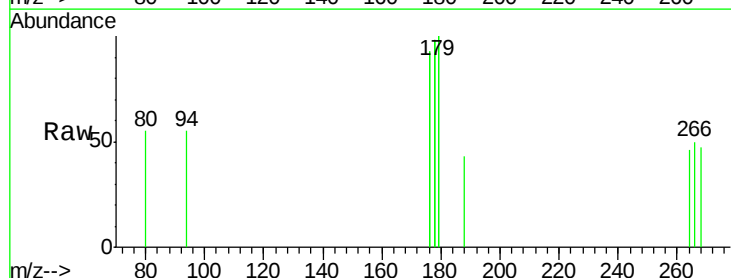
RT: 16.61 min Scan# 2187

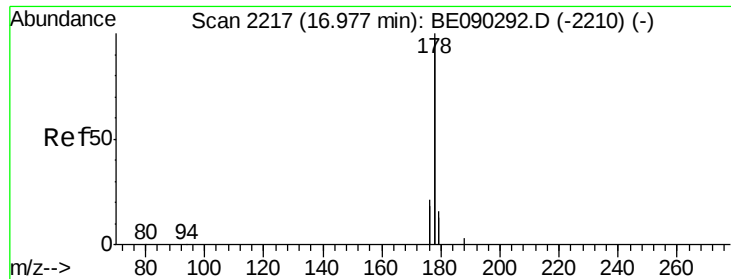
Delta R.T. 0.00 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Tgt Ion:	266	Resp:	49
Ion Ratio	Lower	Upper	
266	100		
264	51.0	43.4	65.0
268	65.3	44.6	66.8





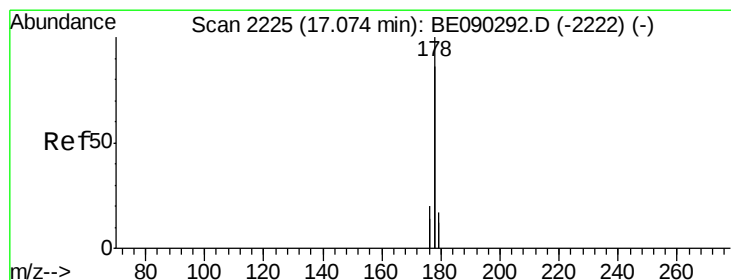
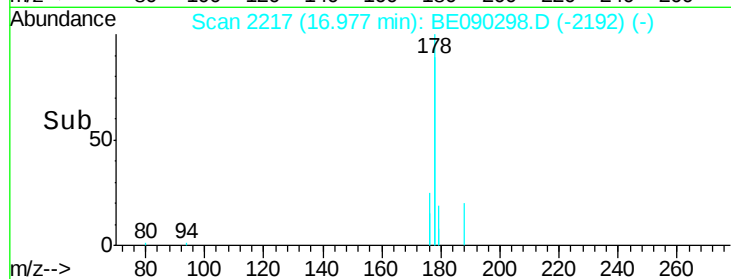
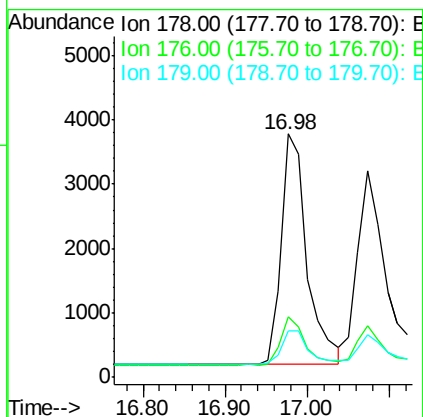
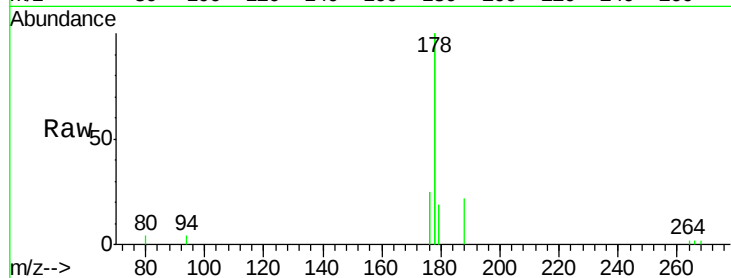
#12
Phenanthrene
Concen: 0.13 ng/ul
RT: 16.98 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BE090298.D
Acq: 30 Jul 2015 15:13

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.9	17.3	25.9
179	19.2	13.1	19.7

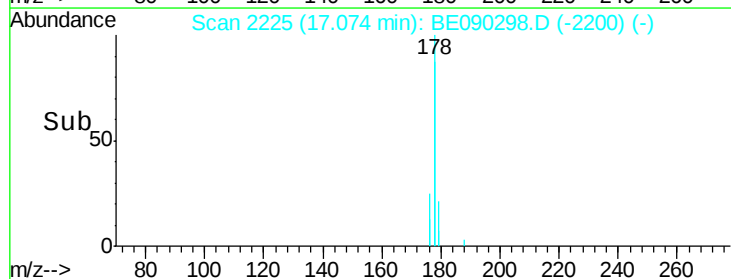
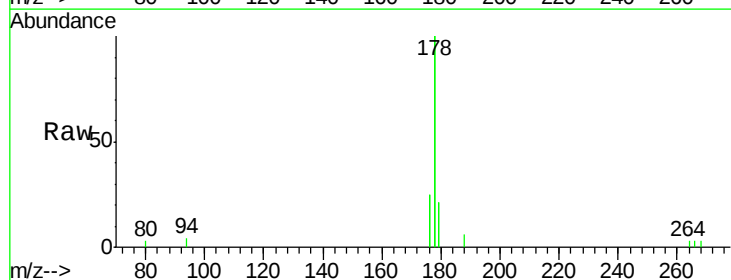
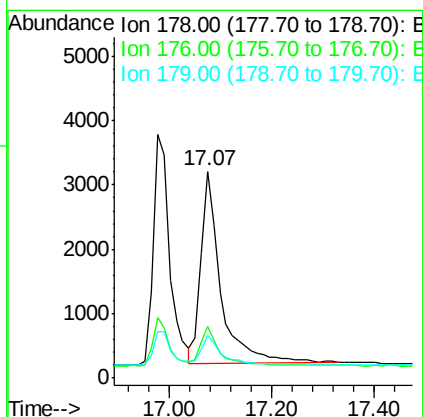
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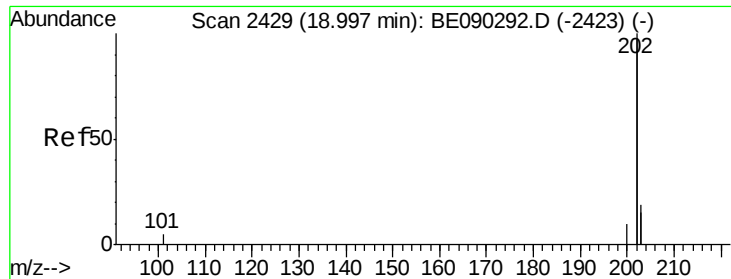
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#13
Anthracene
Concen: 0.13 ng/ul
RT: 17.07 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BE090298.D
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Tgt Ion	Ratio	Lower	Upper
178	100		
176	24.8	16.4	24.6#
179	20.6	13.9	20.9





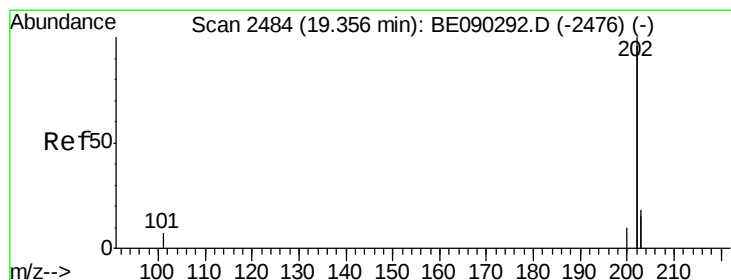
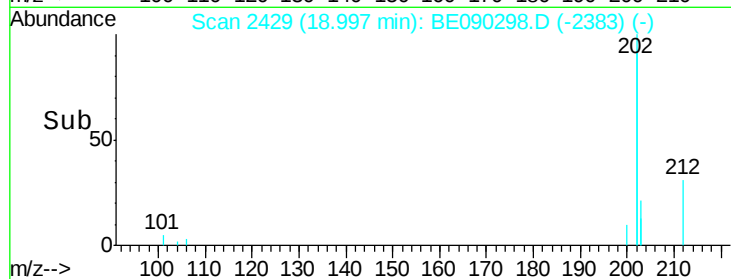
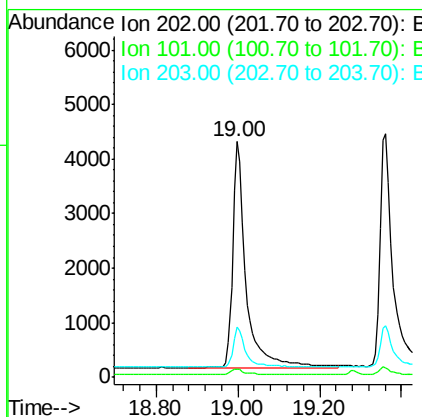
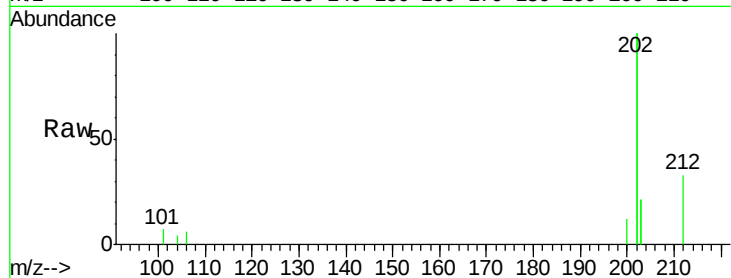
#15
Fluoranthene
Concen: 0.14 ng/ul
RT: 19.00 min Scan# 2429
Delta R.T. -0.00 min
Lab File: BE090298.D
Acq: 30 Jul 2015 15:13

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion:	202	Resp:	9530
Ion Ratio	Lower	Upper	
202	100		
101	3.7	0.0	22.9
203	21.4	0.0	39.0

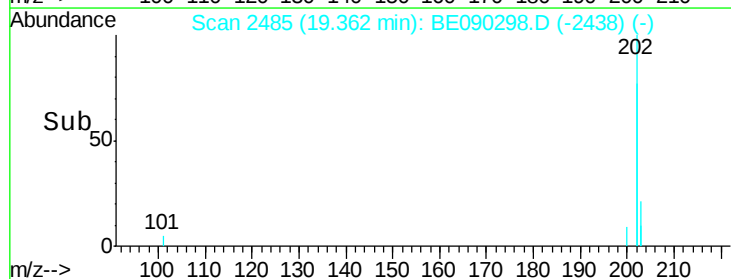
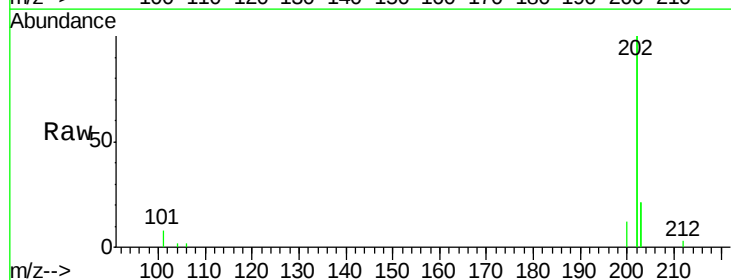
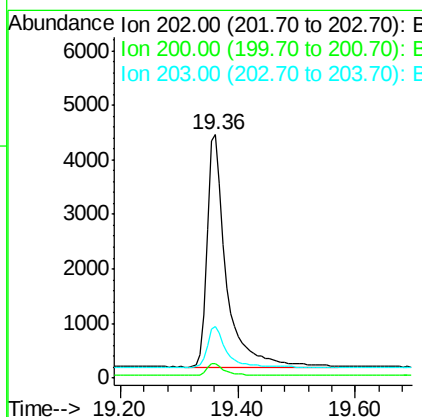
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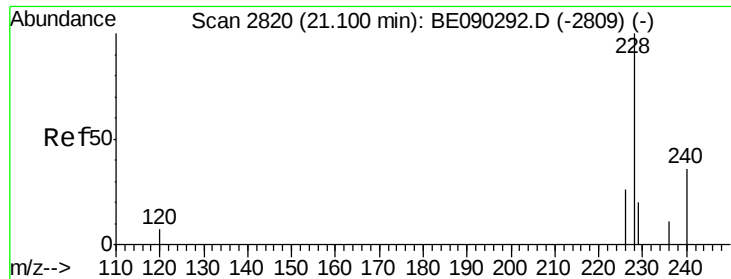
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#17
Pyrene
Concen: 0.17 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BE090298.D
Acq: 30 Jul 2015 15:13

Tgt Ion:	202	Resp:	9585
Ion Ratio	Lower	Upper	
202	100		
200	5.9	4.5	6.7
203	21.3	14.4	21.6





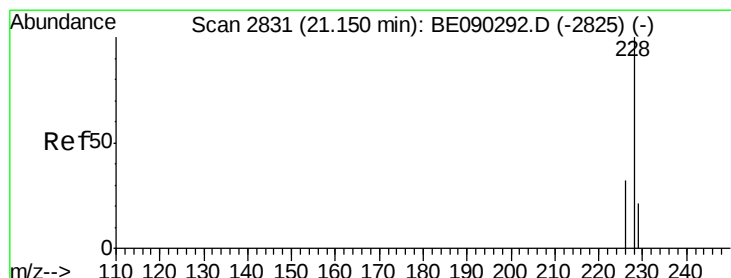
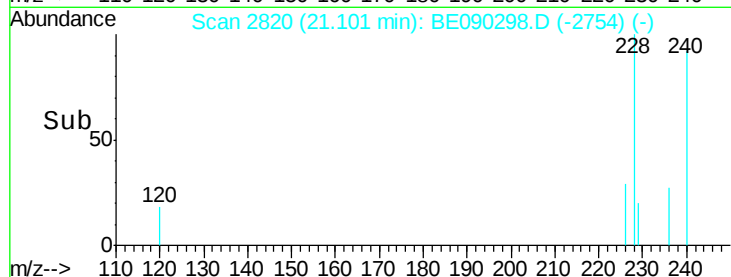
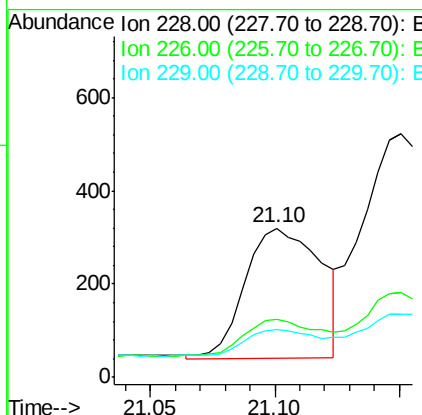
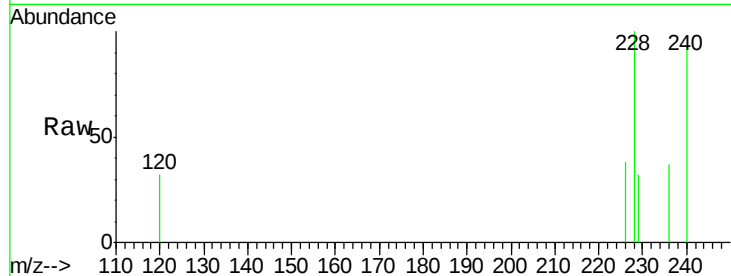
#18
Benzo(a)anthracene
Concen: 0.13 ng/ul m
RT: 21.10 min Scan# 2820
Delta R.T. 0.00 min
Lab File: BE090298.D
Acq: 30 Jul 2015 15:13

Instrument :
BNA_E
ClientSampleId :
MDL-06-W

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.4	24.6	36.8#
229	31.6	17.9	26.9#

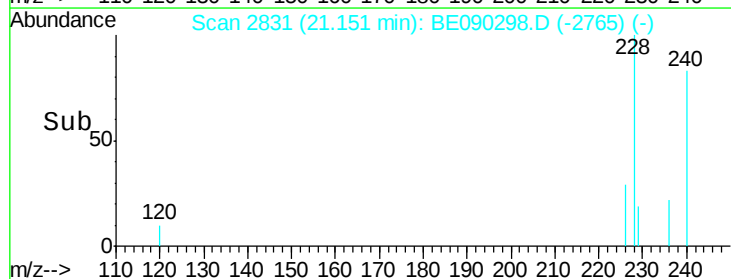
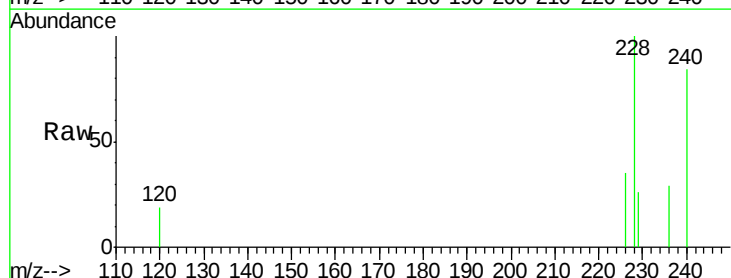
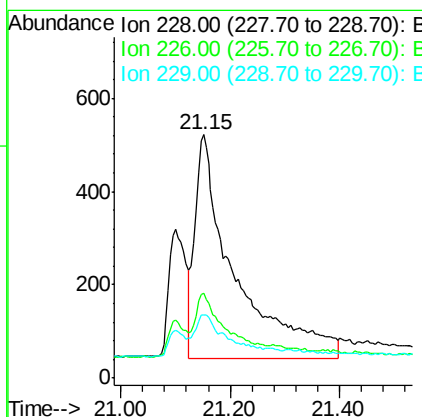
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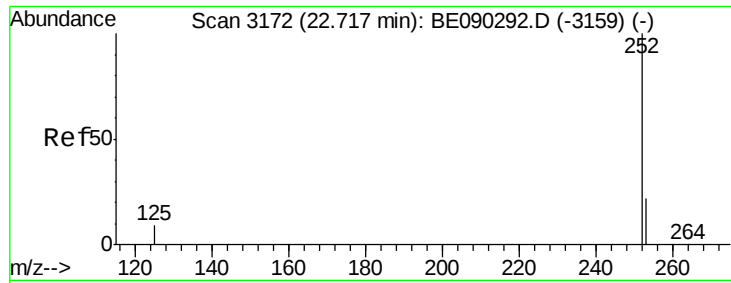
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#19
Chrysene
Concen: 0.18 ng/ul m
RT: 21.15 min Scan# 2831
Delta R.T. 0.00 min
Lab File: BE090298.D
Acq: 30 Jul 2015 15:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	34.9	25.0	37.4
229	25.7	16.6	24.8#





#21

Benzo(b)fluoranthene

Concen: 0.13 ng/ul m

RT: 22.73 min Scan# 3174

Delta R.T. 0.01 min

Lab File: BE090298.D

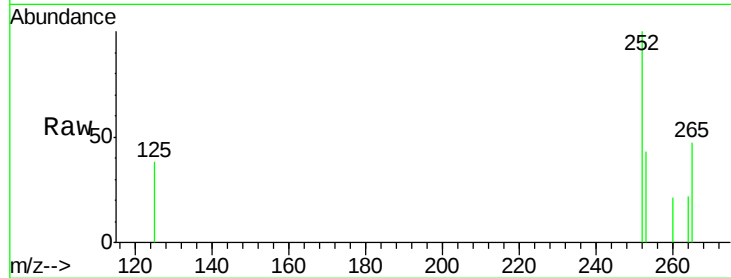
Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

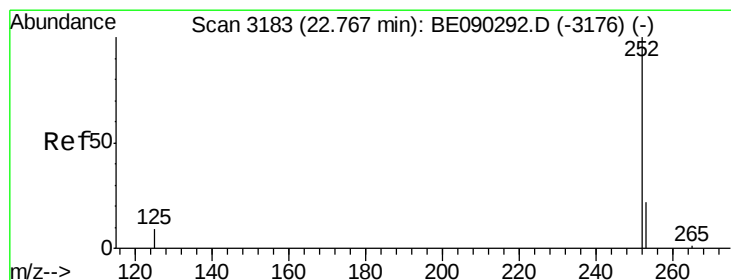
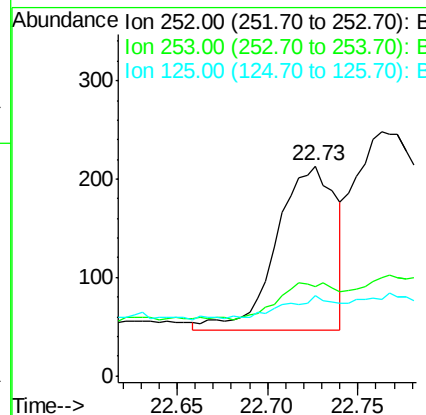
MDL-06-W



Tgt Ion	Ratio	Lower	Upper
252	100		
253	42.7	0.0	57.2
125	38.0	0.0	34.6#

Manual Integrations
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#22

Benzo(k)fluoranthene

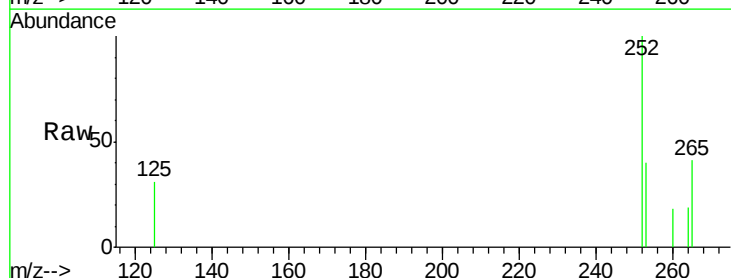
Concen: 0.13 ng/ul m

RT: 22.76 min Scan# 3182

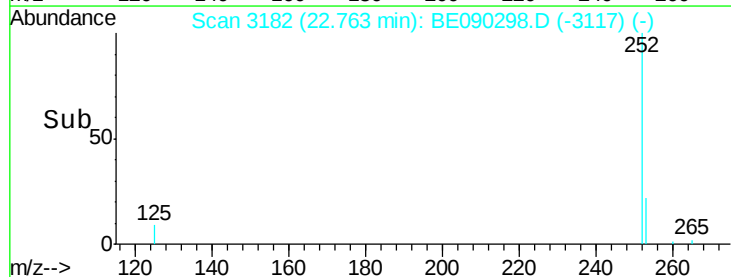
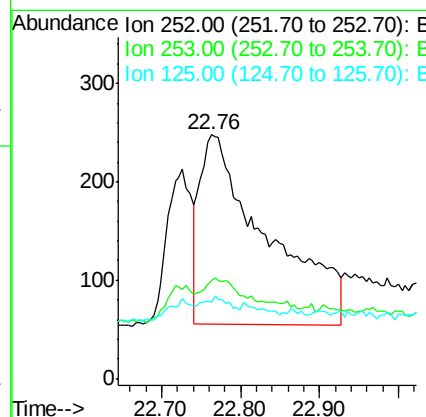
Delta R.T. -0.00 min

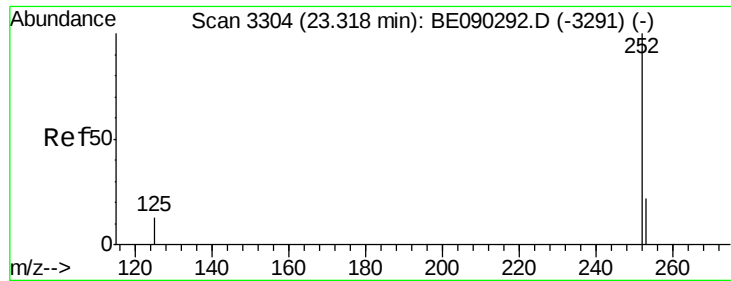
Lab File: BE090298.D

Acq: 30 Jul 2015 15:13



Tgt Ion	Ratio	Lower	Upper
252	100		
253	40.3	21.3	31.9#
125	31.0	13.3	19.9#





#23

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090298.D

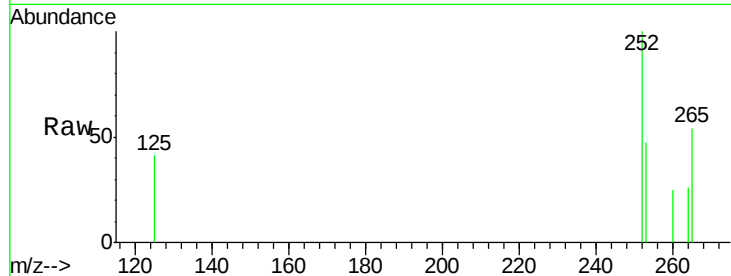
Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

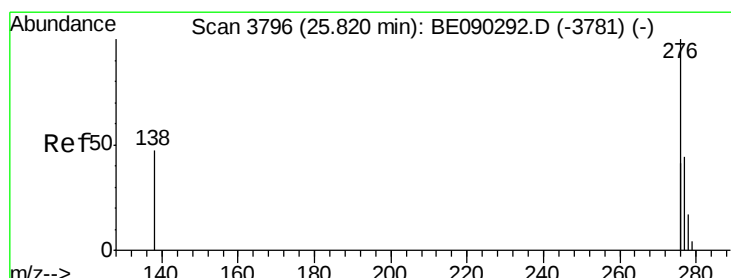
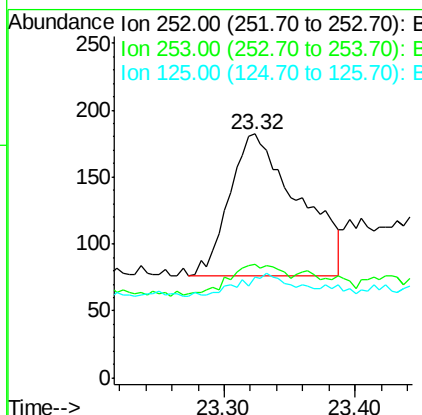
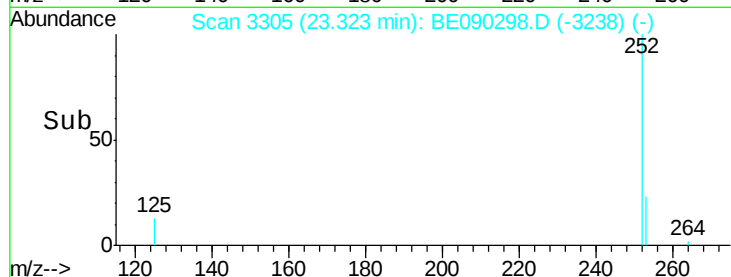
MDL-06-W



Tgt Ion	Ratio	Lower	Upper
252	100		
253	46.7	24.9	37.3#
125	41.2	17.5	26.3#

Manual Integrations
APPROVED

MMDadoda
7/31/2015 3:07:41 PM



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.09 ng/ul

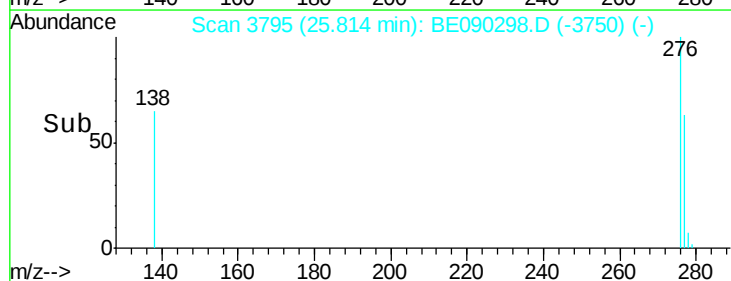
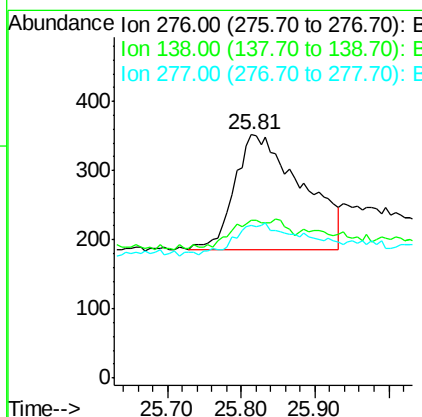
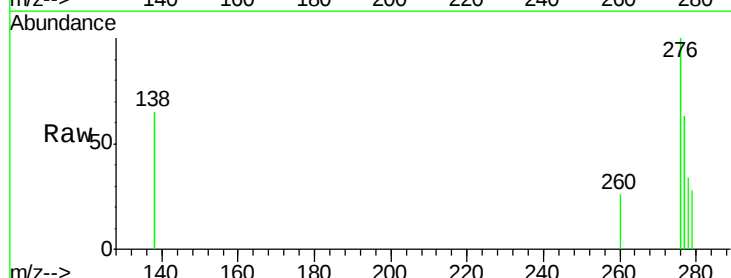
RT: 25.81 min Scan# 3795

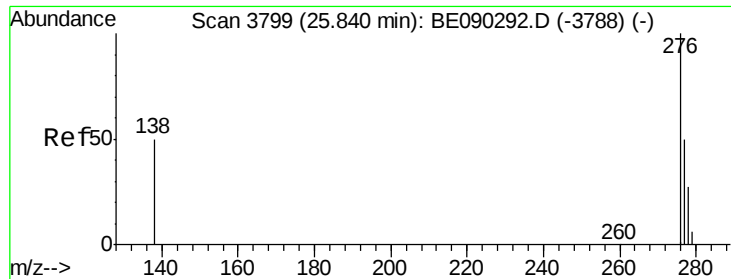
Delta R.T. -0.01 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.1	13.5	20.3#
277	21.2	16.4	24.6





#25

Dibenzo(a,h)anthracene

Concen: 0.11 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. -0.01 min

Lab File: BE090298.D

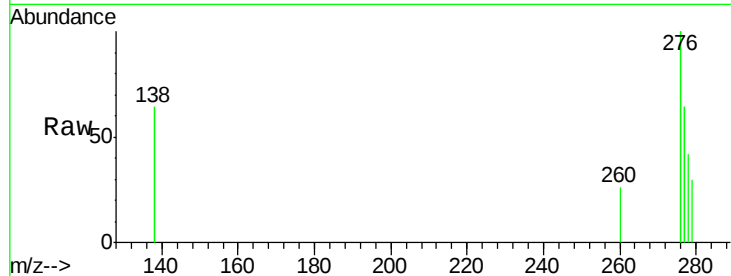
Acq: 30 Jul 2015 15:13

Instrument :

BNA_E

ClientSampleId :

MDL-06-W



Tgt Ion: 278 Resp: 155

Ion Ratio Lower Upper

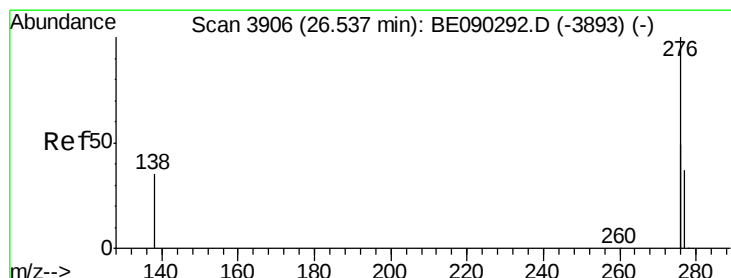
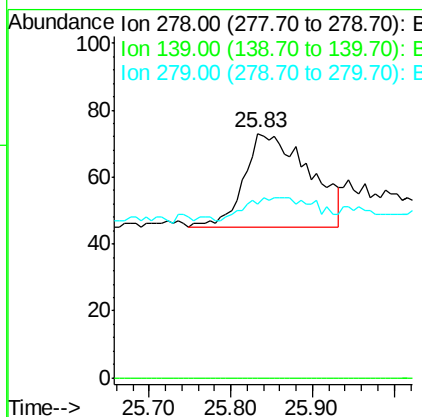
278 100

139 0.0 0.0 0.0

279 71.2 37.4 56.0#

Manual Integrations
APPROVED

MMDadoda
7/31/2015 3:07:41 PM



#26

Benzo(g,h,i)perylene

Concen: 0.11 ng/ul

RT: 26.54 min Scan# 3907

Delta R.T. 0.01 min

Lab File: BE090298.D

Acq: 30 Jul 2015 15:13

Tgt Ion: 276 Resp: 1836

Ion Ratio Lower Upper

276 100

277 51.0 25.5 38.3#

138 52.3 23.9 35.9#

