

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
 Data File : BE089832.D
 Acq On : 25 Mar 2015 4:56
 Operator : TP/JJ
 Sample : G1575-02
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-11

Manual Integrations
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Quant Time: Mar 25 17:19:21 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE032415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 25 16:20:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.50	152	202126	5.00	ng	0.00
4) Naphthalene-d8	10.26	136	813892	5.00	ng	0.00
8) Acenaphthene-d10	14.40	164	366601	5.00	ng	0.01
13) Phenanthrene-d10	17.93	188	641845	5.00	ng	0.00
19) Chrysene-d12	24.26	240	621786	5.00	ng	0.00
25) Perylene-d12	27.42	264	592587	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) Nitrobenzene-d5	8.68	82	365205	6.22	ng	0.00
9) 2-Fluorobiphenyl	12.85	172	628381	7.32	ng	0.00
21) Terphenyl-d14	21.87	244	726207	7.92	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Acenaphthylene	14.04	152	13286	0.03	ng	99
16) Phenanthrene	17.97	178	17529	0.12	ng	99
17) Anthracene	18.10	178	4622m	0.04	ng	
18) Fluoranthene	20.82	202	41766	0.33	ng	99
20) Pyrene	21.35	202	34986	0.22	ng	96
22) Benzo(a)anthracene	24.25	228	13810	0.12	ng	# 91
23) Chrysene	24.32	228	31006	0.24	ng	# 91
24) Indeno(1,2,3-cd)pyrene	29.39	276	14623	0.53	ng	# 79
26) Benzo(b)fluoranthene	26.64	252	33806	0.57	ng	# 83
27) Benzo(k)fluoranthene	26.70	252	13578	0.11	ng	# 57
28) Benzo(a)pyrene	27.30	252	14291	0.41	ng	# 53
30) Benzo(g,h,i)perylene	29.83	276	19548	0.40	ng	# 93

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

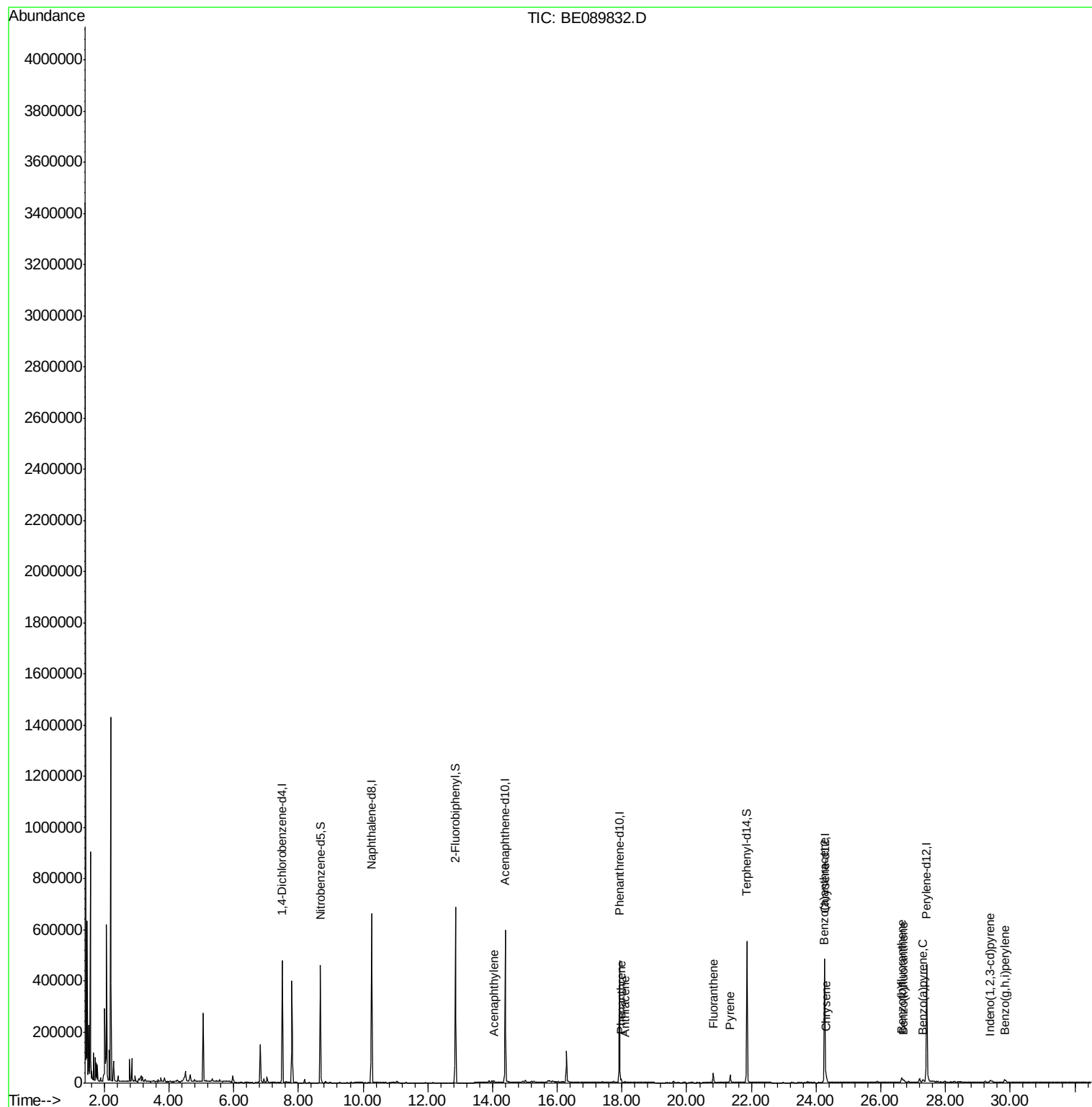
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032415\
Data File : BE089832.D
Acq On : 25 Mar 2015 4:56
Operator : TP/JJ
Sample : G1575-02
Misc :
ALS Vial : 20 Sample Multiplier: 1

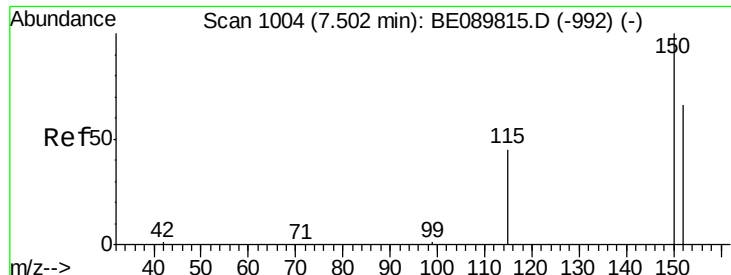
Instrument :
BNA_E
ClientSampleId :
MW-11

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Quant Time: Mar 25 17:19:21 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.50 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BE089832.D

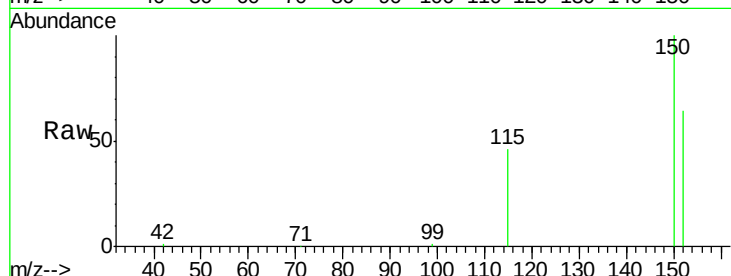
Acq: 25 Mar 2015 4:56

Instrument :

BNA_E

ClientSampleId :

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Tgt Ion:152 Resp: 202126

Ion Ratio Lower Upper

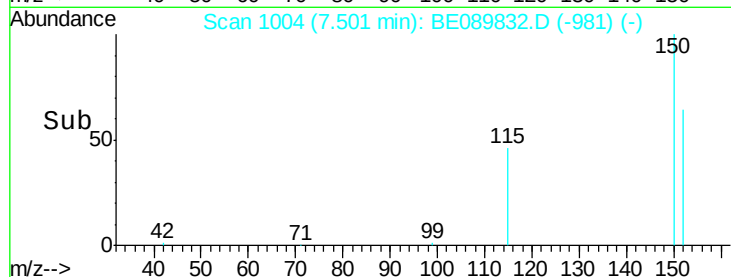
152 100

150 155.8 125.5 188.3

115 71.3 58.0 87.0

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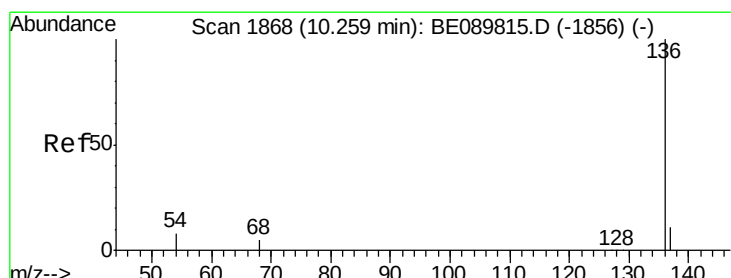
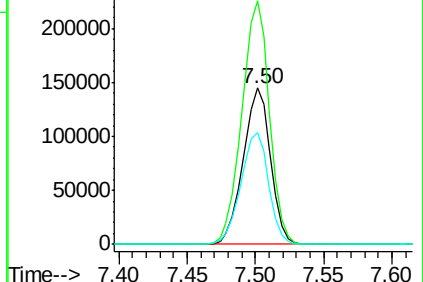
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 10.26 min Scan# 1868

Delta R.T. 0.00 min

Lab File: BE089832.D

Acq: 25 Mar 2015 4:56

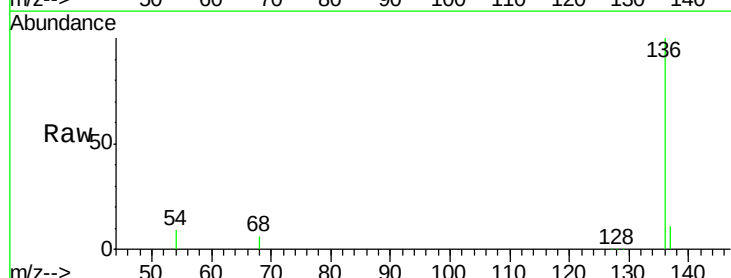
Tgt Ion:136 Resp: 813892

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

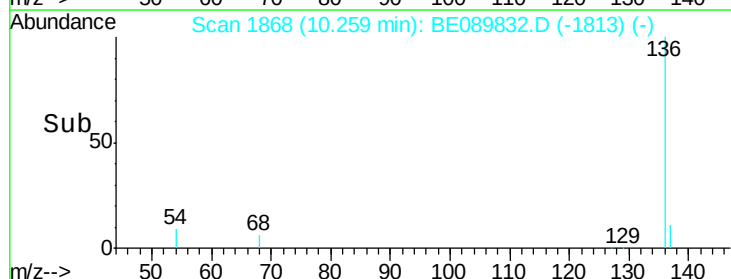
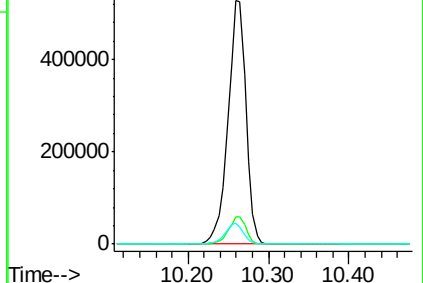
54 8.8 7.0 10.4

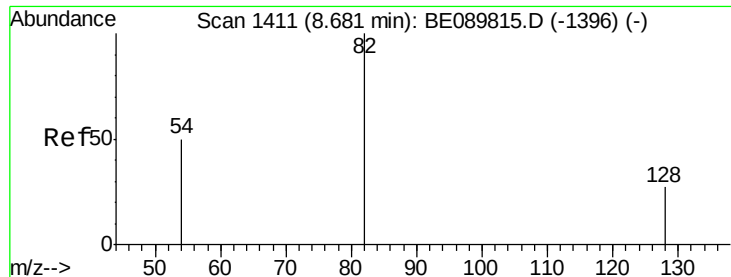


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Nitrobenzene-d5

Concen: 6.22 ng

RT: 8.68 min Scan# 1411

Delta R.T. -0.00 min

Lab File: BE089832.D

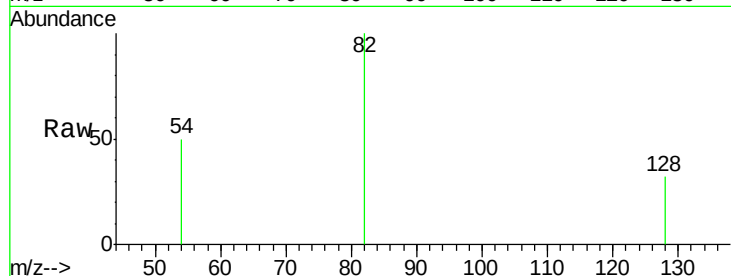
Acq: 25 Mar 2015 4:56

Instrument :

BNA_E

ClientSampleId :

MW-11



Tgt Ion: 82 Resp: 365205

Ion Ratio Lower Upper

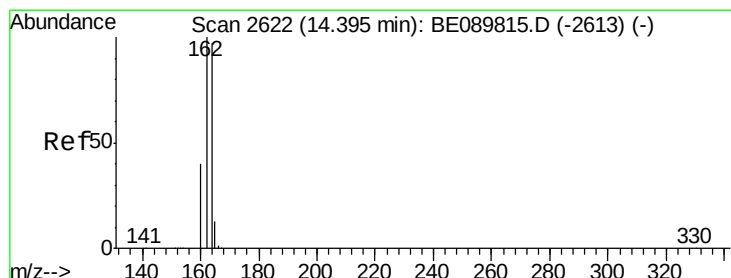
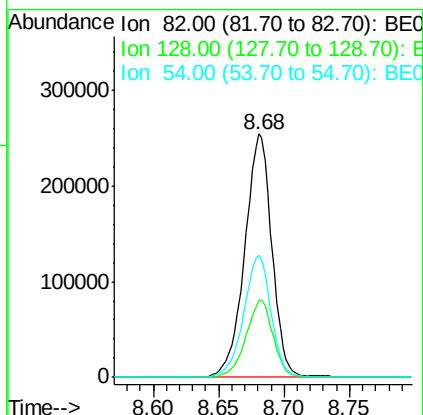
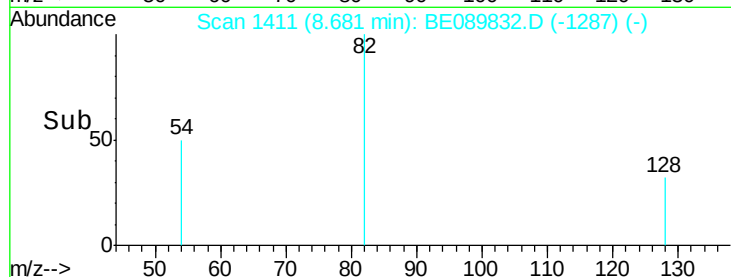
82 100

128 31.6 24.6 37.0

54 50.2 43.0 64.6

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#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.40 min Scan# 2622

Delta R.T. 0.01 min

Lab File: BE089832.D

Acq: 25 Mar 2015 4:56

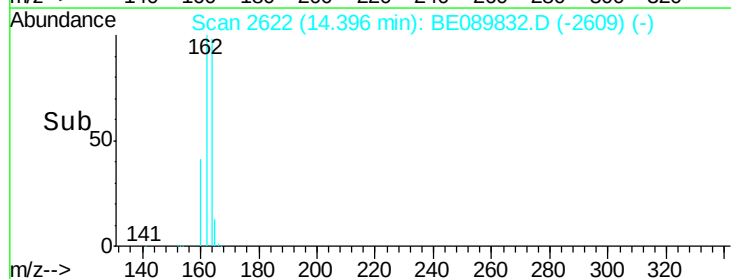
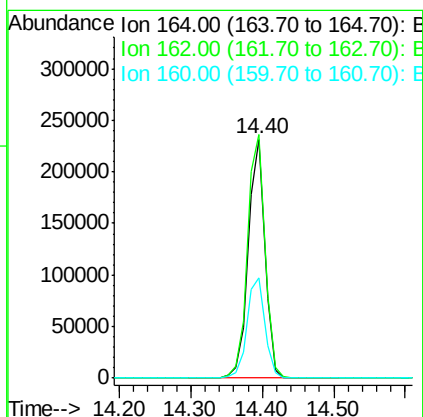
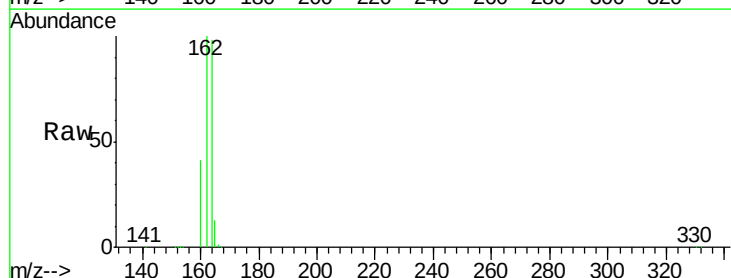
Tgt Ion: 164 Resp: 366601

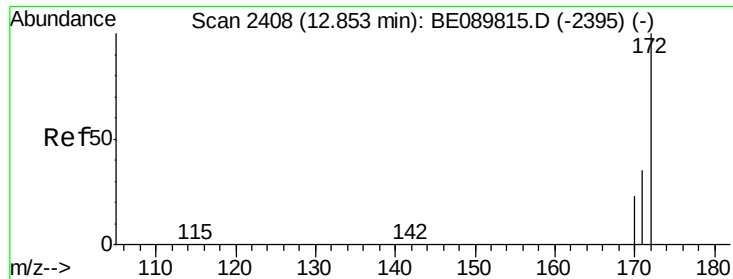
Ion Ratio Lower Upper

164 100

162 102.0 87.6 131.4

160 41.8 36.7 55.1





#9

2-Fluorobiphenyl

Concen: 7.32 ng

RT: 12.85 min Scan# 2408

Delta R.T. 0.00 min

Lab File: BE089832.D

Acq: 25 Mar 2015 4:56

Instrument :

BNA_E

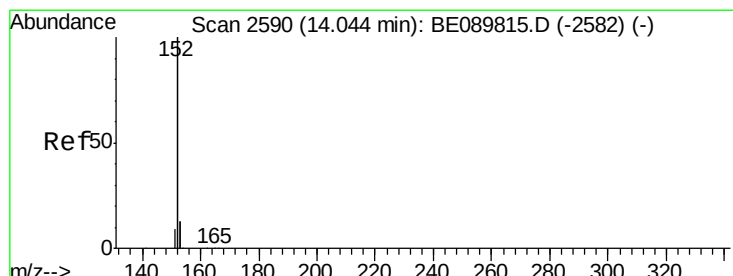
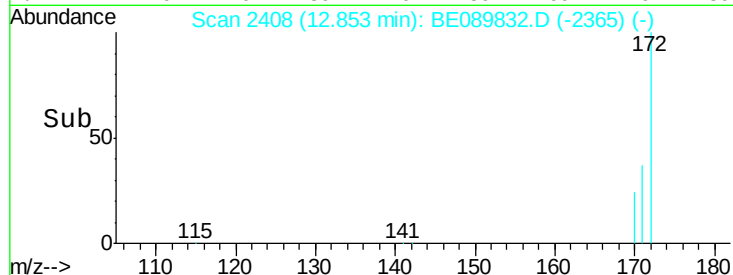
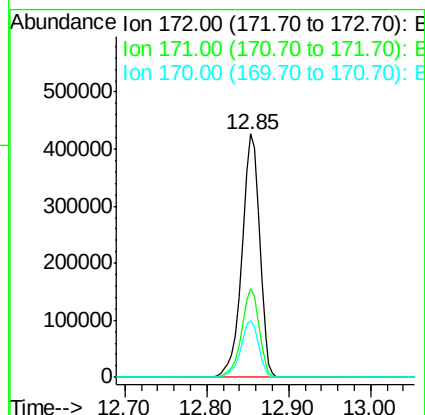
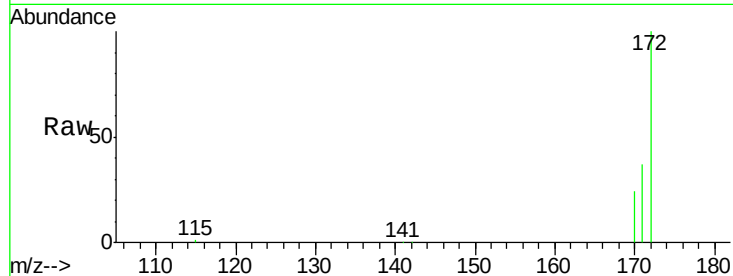
ClientSampleId :

MW-11

Tgt Ion:	172	Resp:	628381
Ion Ratio	Lower	Upper	
172	100		
171	36.7	30.8	46.2
170	23.5	21.0	31.4

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#10

Acenaphthylene

Concen: 0.03 ng

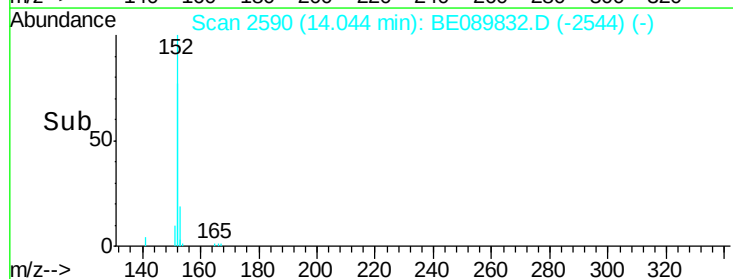
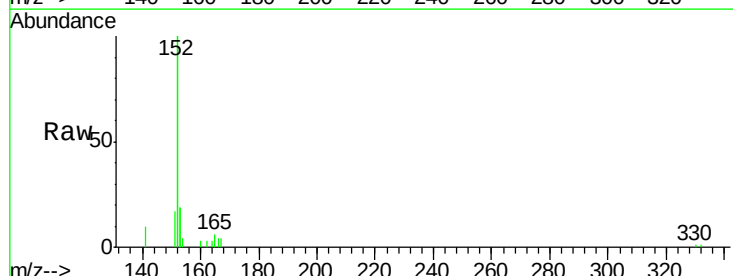
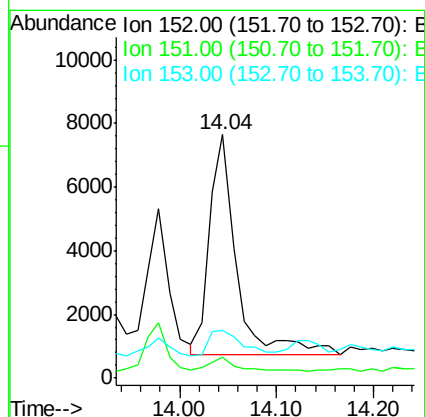
RT: 14.04 min Scan# 2590

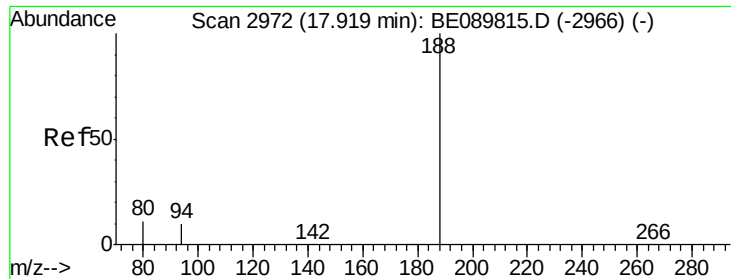
Delta R.T. -0.00 min

Lab File: BE089832.D

Acq: 25 Mar 2015 4:56

Tgt Ion:	152	Resp:	13286
Ion Ratio	Lower	Upper	
152	100		
151	5.7	3.9	5.9
153	13.4	11.0	16.4





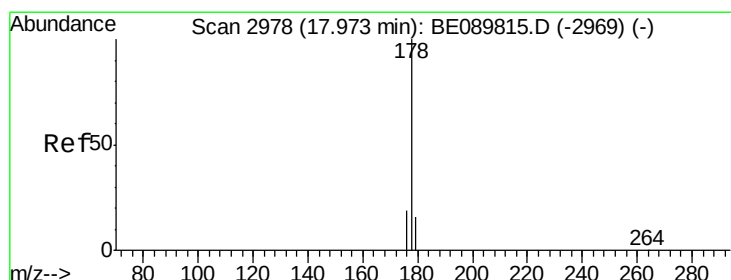
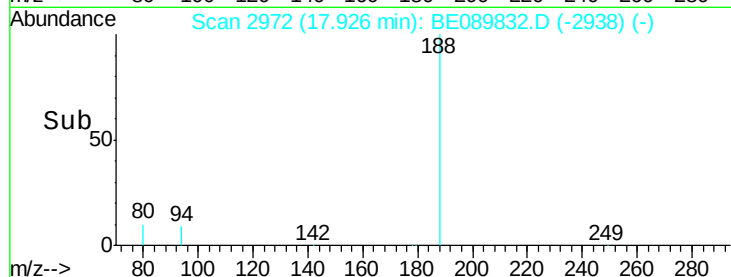
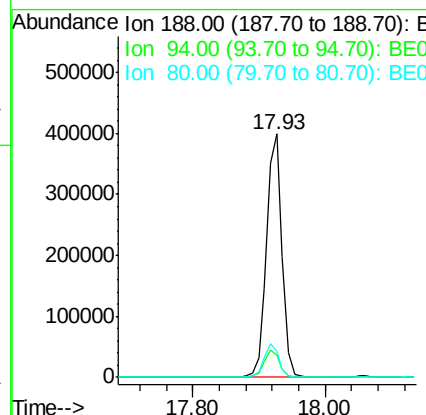
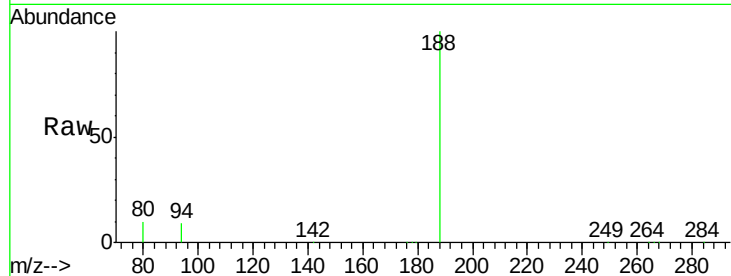
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.93 min Scan# 2972
Delta R.T. 0.01 min
Lab File: BE089832.D
Acq: 25 Mar 2015 4:56

Instrument :
BNA_E
ClientSampleId :
MW-11

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.3	8.5	12.7
80	10.4	10.0	15.0

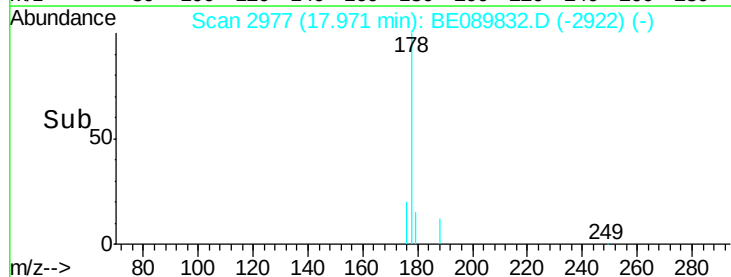
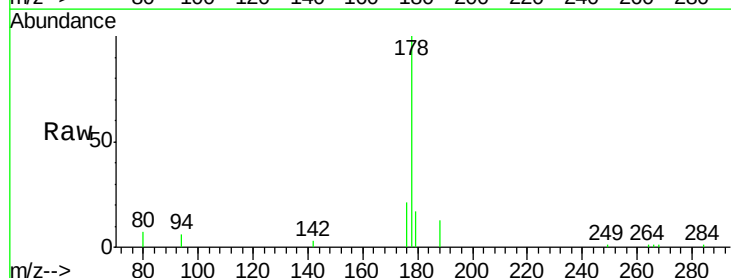
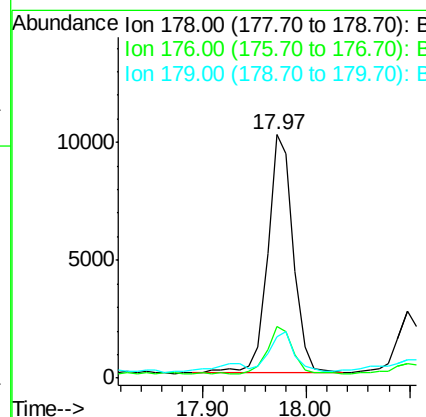
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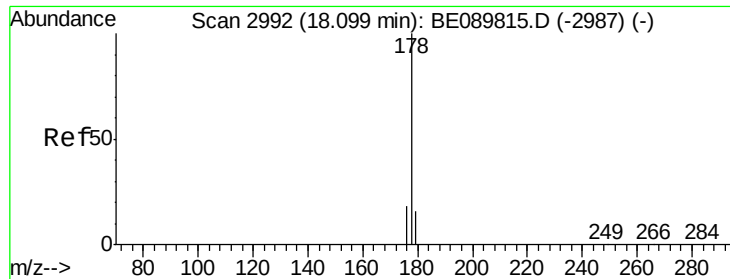
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#16
Phenanthrene
Concen: 0.12 ng
RT: 17.97 min Scan# 2977
Delta R.T. -0.00 min
Lab File: BE089832.D
Acq: 25 Mar 2015 4:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.4	23.0
179	15.2	12.2	18.4





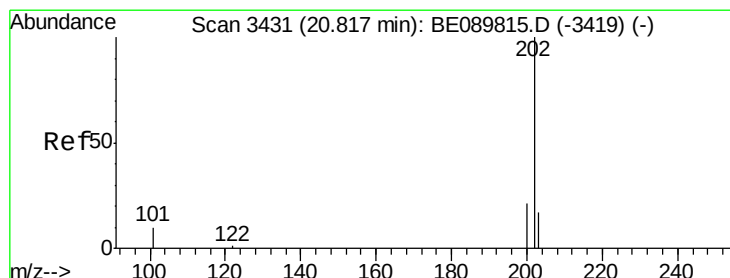
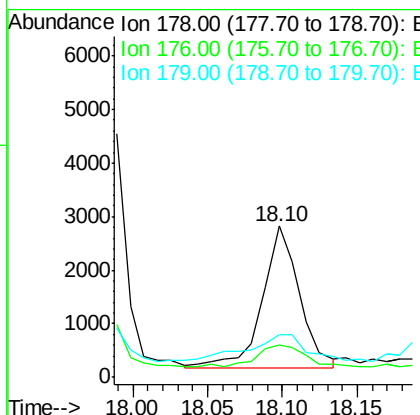
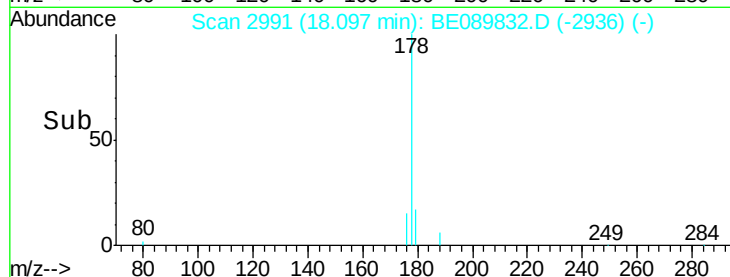
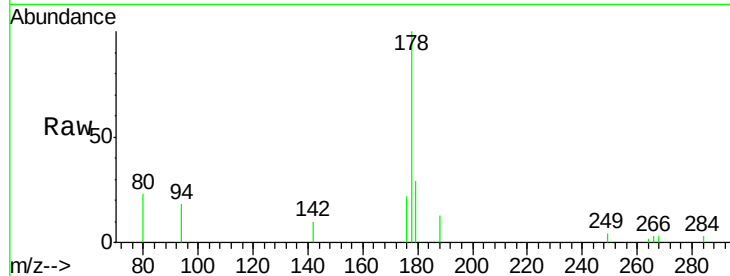
#17
 Anthracene
 Concen: 0.04 ng m
 RT: 18.10 min Scan# 2991
 Delta R.T. -0.00 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Instrument :
 BNA_E
 ClientSampleId :
 MW-11

Tgt Ion	Ratio	Lower	Upper
178	100		
176	74.8	14.6	21.8#
179	57.8	12.1	18.1#

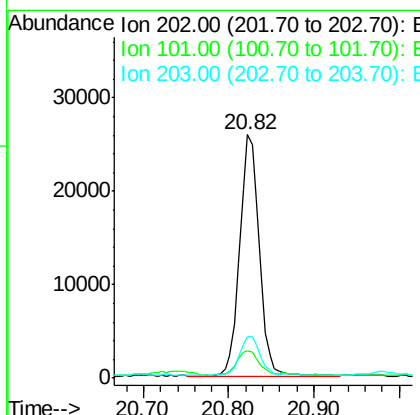
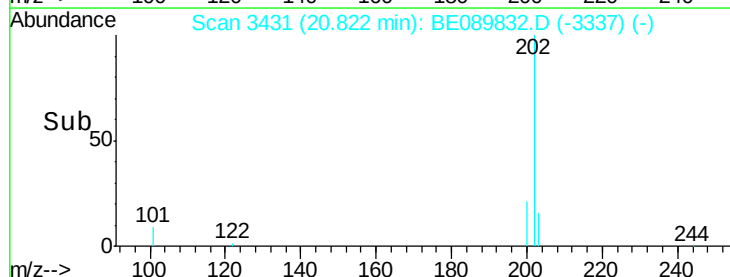
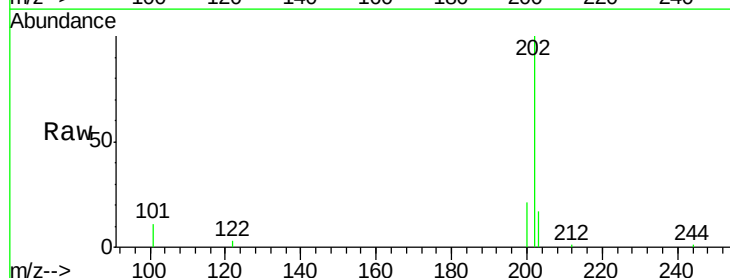
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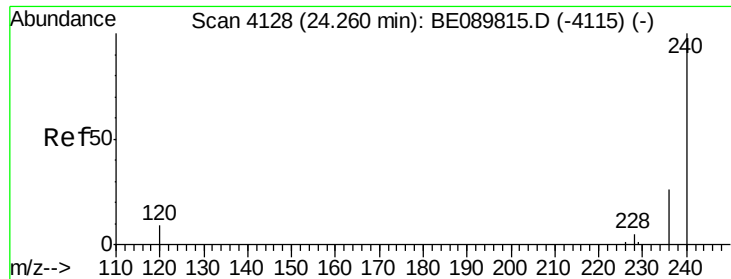
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#18
 Fluoranthene
 Concen: 0.33 ng
 RT: 20.82 min Scan# 3431
 Delta R.T. 0.00 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.2	12.2
203	17.3	14.2	21.4





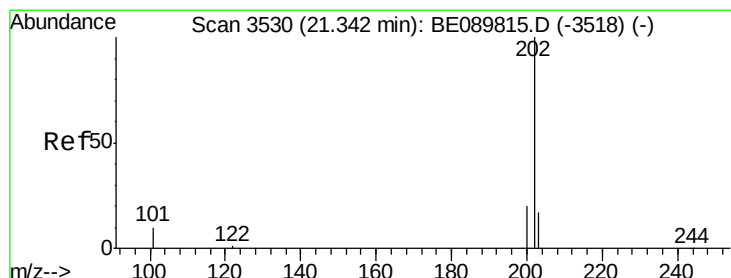
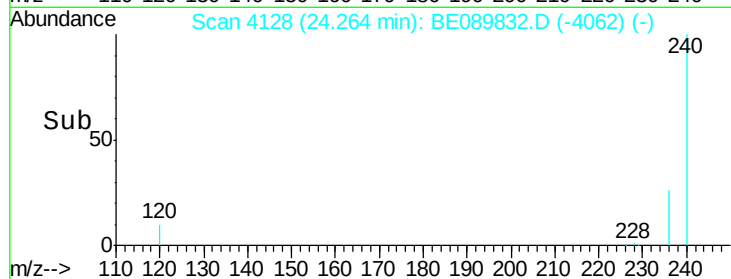
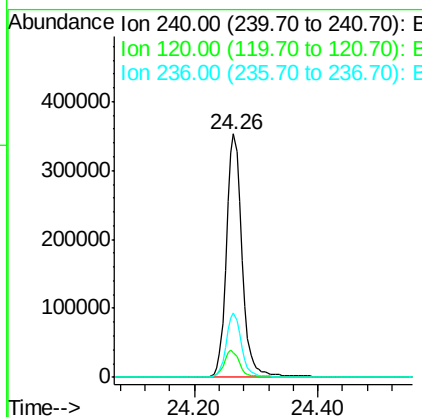
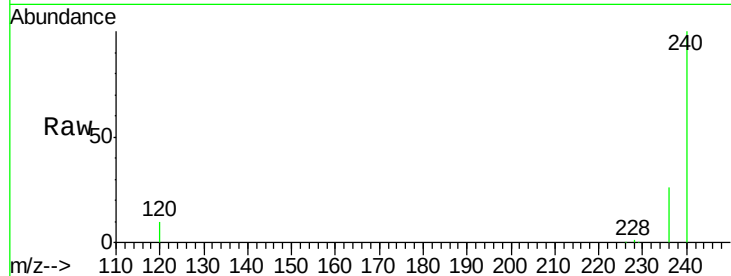
#19
Chrysene-d12
 Concen: 5.00 ng
 RT: 24.26 min Scan# 4128
 Delta R.T. 0.00 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Instrument :
 BNA_E
 ClientSampleId :
 MW-11

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	621786		
120	10.4	7.5	11.3	
236	26.4	20.5	30.7	

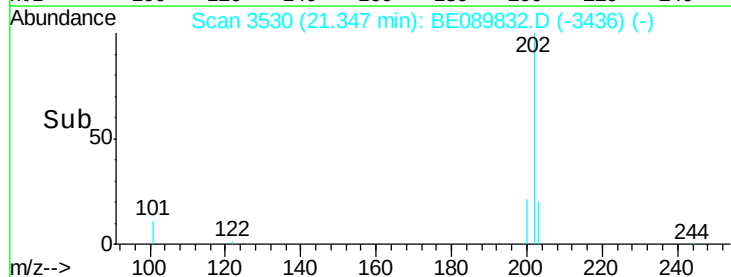
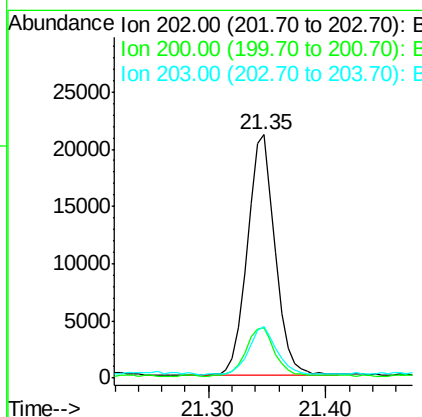
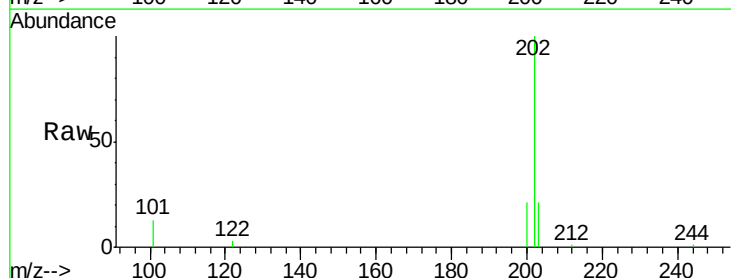
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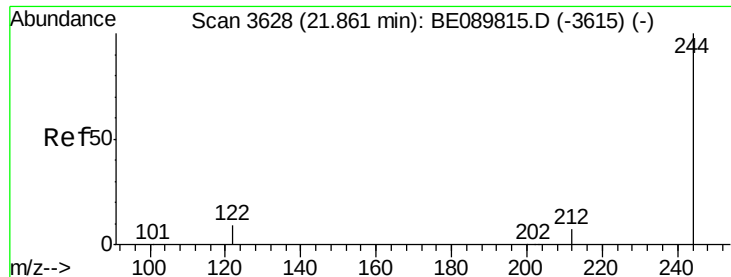
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#20
Pyrene
 Concen: 0.22 ng
 RT: 21.35 min Scan# 3530
 Delta R.T. 0.00 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	34986		
200	20.6	15.9	23.9	
203	20.0	13.6	20.4	





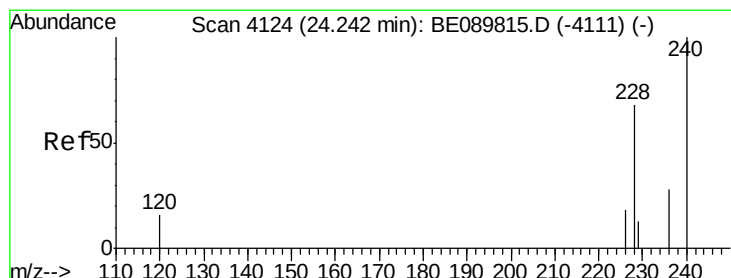
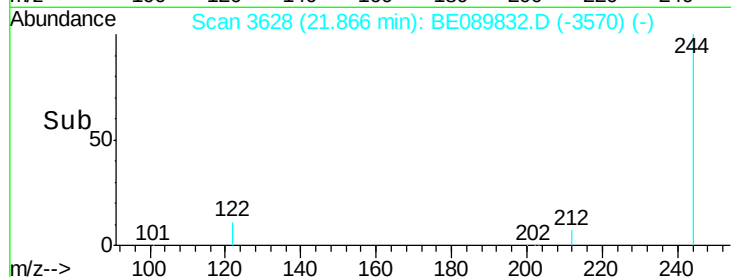
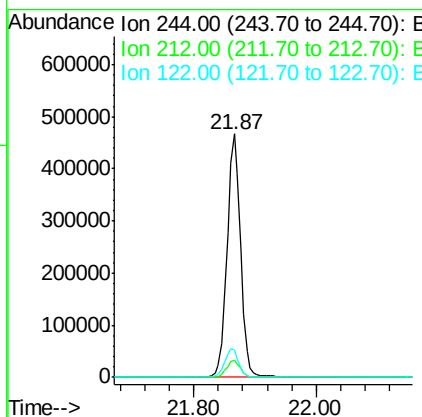
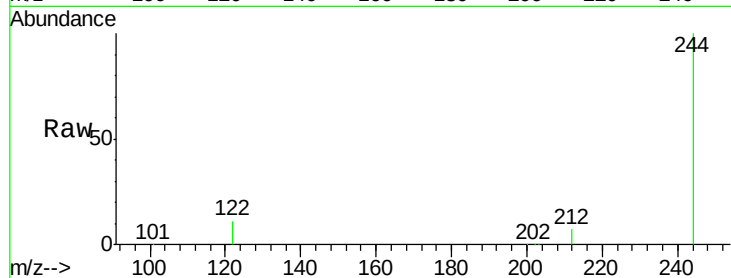
#21
 Terphenyl-d14
 Concen: 7.92 ng
 RT: 21.87 min Scan# 3628
 Delta R.T. 0.01 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Instrument :
 BNA_E
 ClientSampleId :
 MW-11

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	7.3	10.9#
122	11.1	10.5	15.7

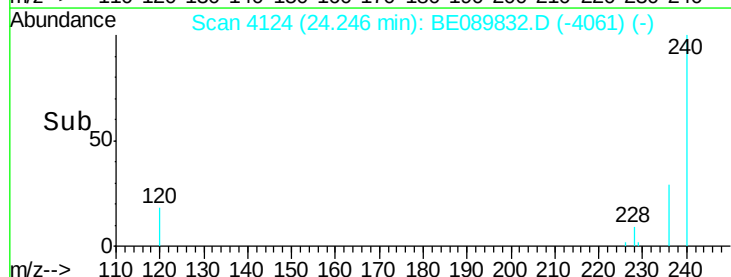
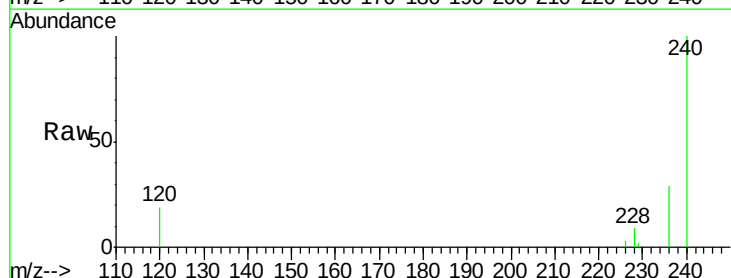
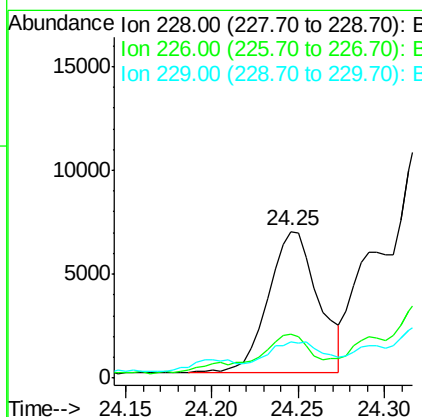
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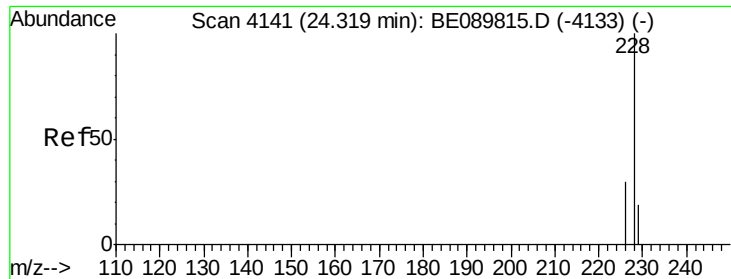
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#22
 Benzo(a)anthracene
 Concen: 0.12 ng
 RT: 24.25 min Scan# 4124
 Delta R.T. -0.00 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	19.8	29.8
229	24.5	16.3	24.5#





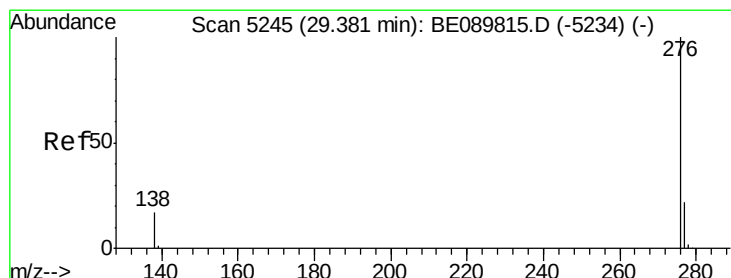
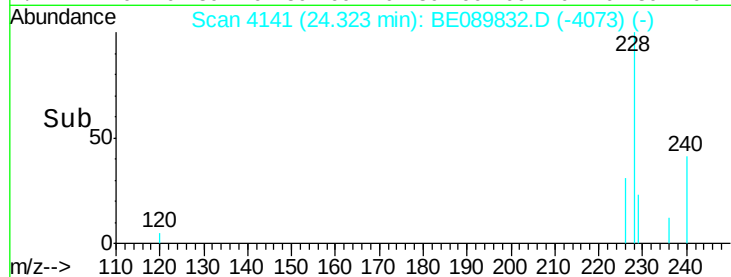
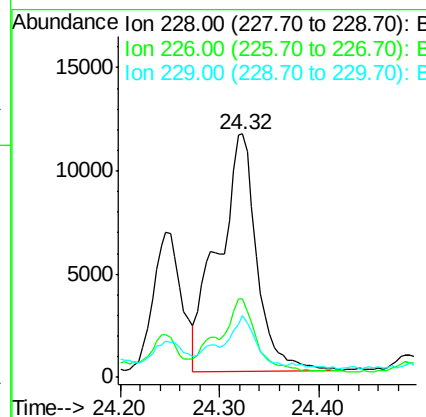
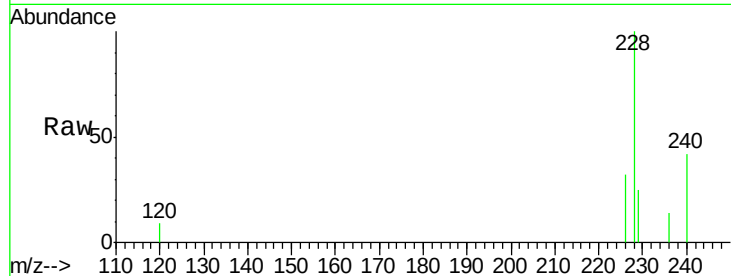
#23
Chrysene
 Concen: 0.24 ng
 RT: 24.32 min Scan# 4141
 Delta R.T. 0.01 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Instrument :
 BNA_E
 ClientSampleId :
 MW-11

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.0	34.4
229	25.2	15.8	23.6

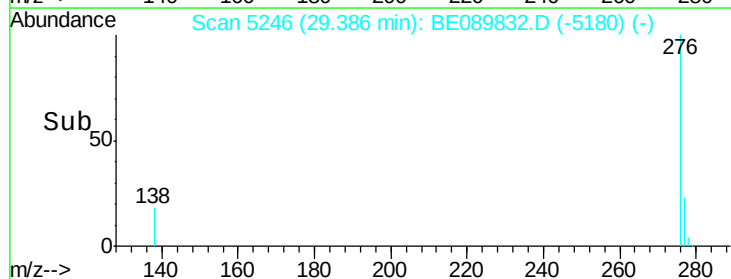
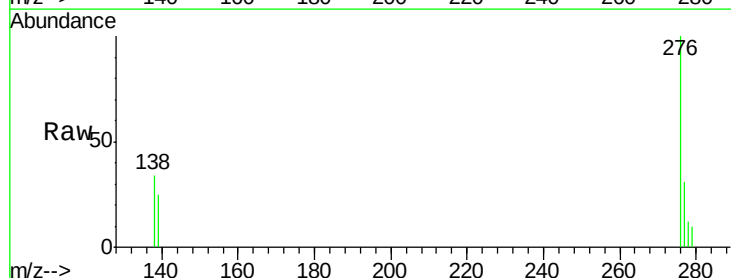
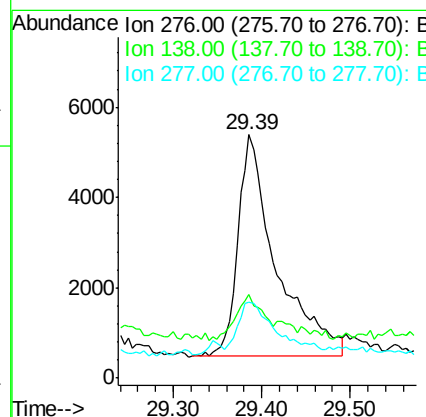
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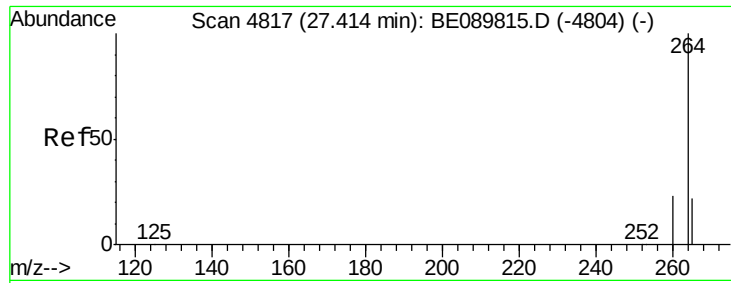
mohammad
 3/25/2015 5:42:55 PM



#24
Indeno(1,2,3-cd)pyrene
 Concen: 0.53 ng
 RT: 29.39 min Scan# 5246
 Delta R.T. 0.00 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.8	4.3	6.5
277	18.4	9.0	13.4





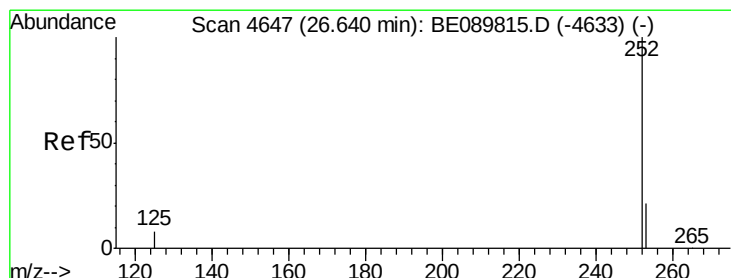
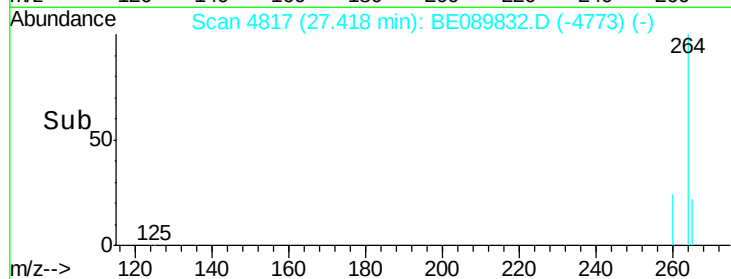
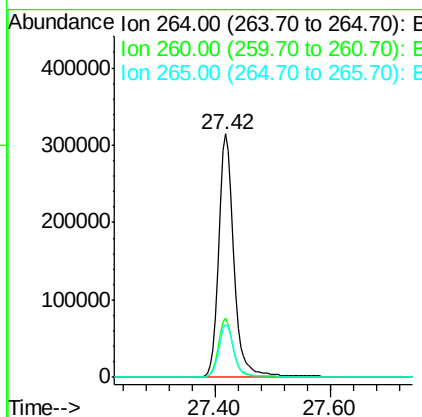
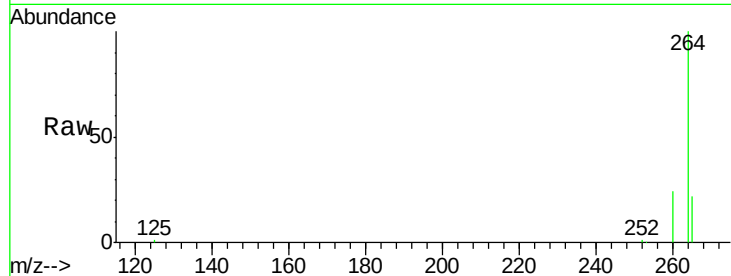
#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 27.42 min Scan# 4817
 Delta R.T. 0.00 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Instrument :
 BNA_E
 ClientSampleId :
 MW-11

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	592587		
260	24.4	18.2	27.2	
265	21.8	17.3	25.9	

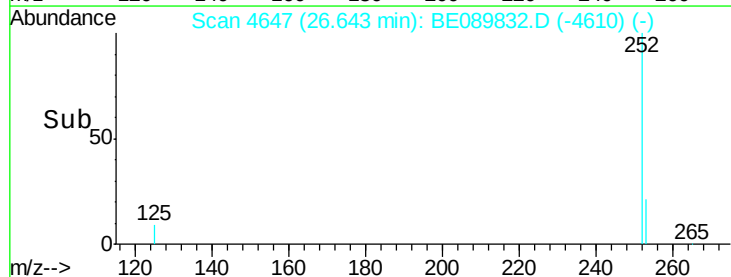
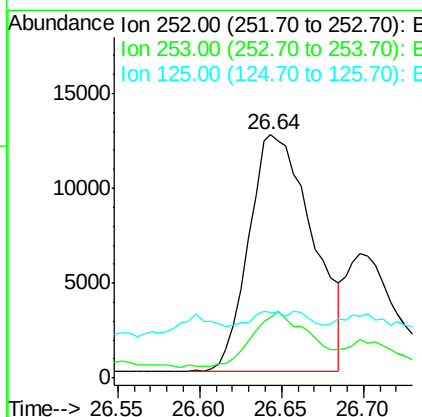
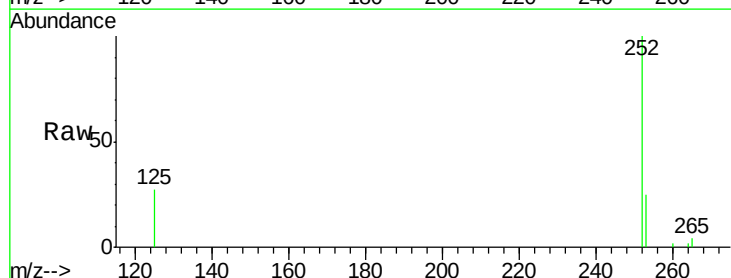
Manual Integrations
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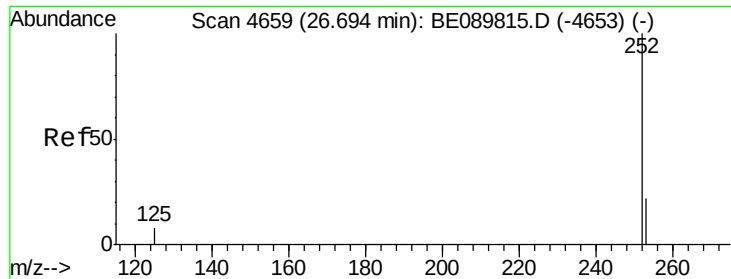
mohammad
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#26
 Benzo(b)fluoranthene
 Concen: 0.57 ng
 RT: 26.64 min Scan# 4647
 Delta R.T. 0.01 min
 Lab File: BE089832.D
 Acq: 25 Mar 2015 4:56

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	33806		
253	24.7	17.8	26.6	
125	26.8	8.7	13.1	





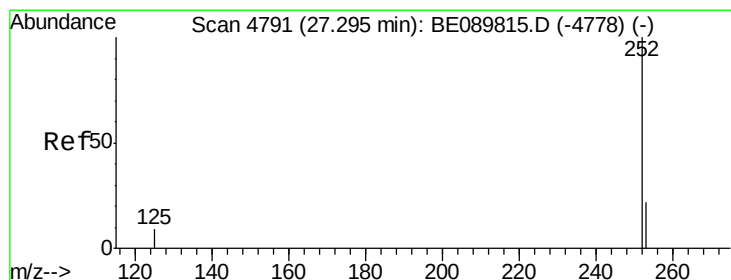
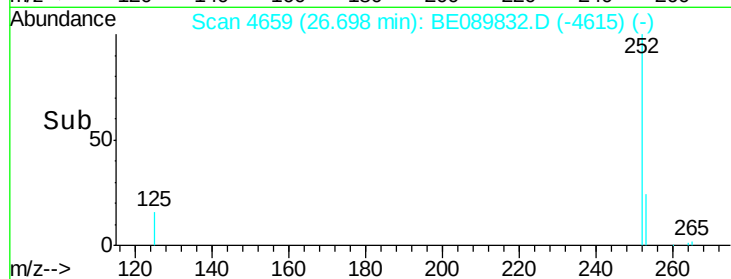
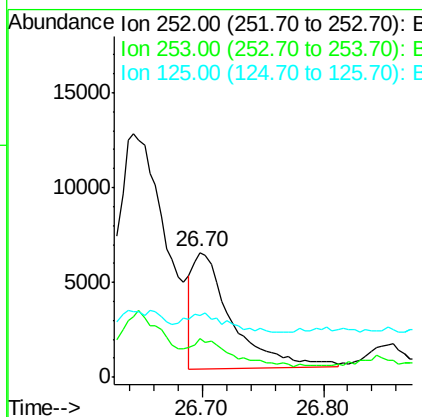
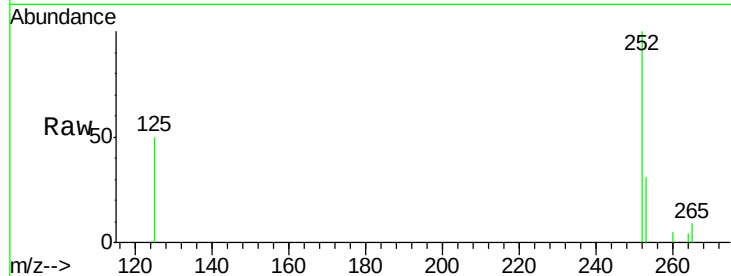
#27
Benzo(k)fluoranthene
Concen: 0.11 ng
RT: 26.70 min Scan# 4659
Delta R.T. -0.00 min
Lab File: BE089832.D
Acq: 25 Mar 2015 4:56

Instrument :
BNA_E
ClientSampleId :
MW-11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.7	18.6	28.0#
125	50.1	10.8	16.2#

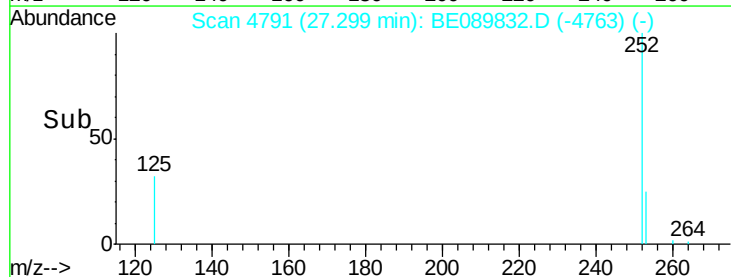
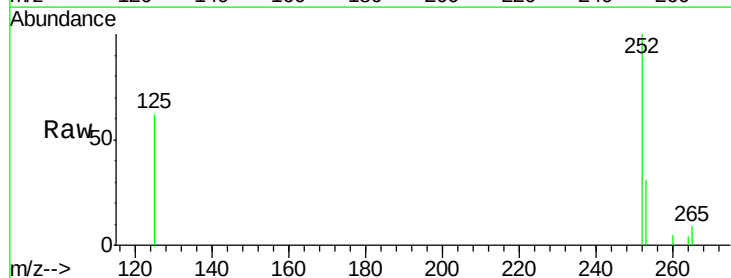
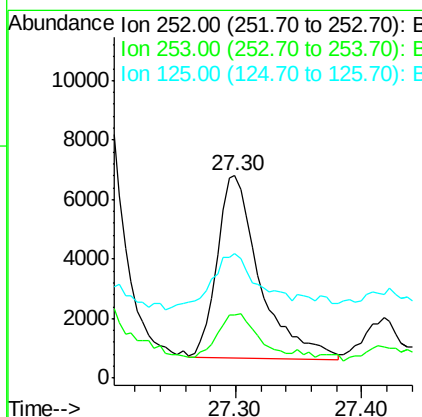
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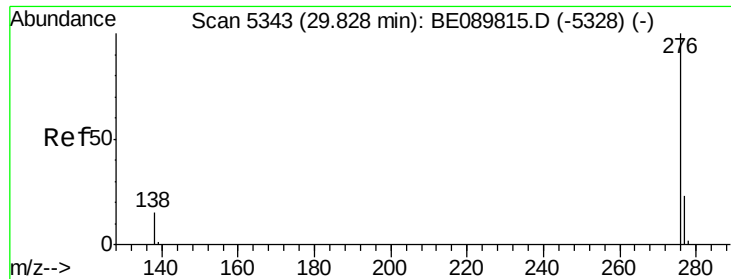
mohammad
3/25/2015 5:42:55 PM



#28
Benzo(a)pyrene
Concen: 0.41 ng
RT: 27.30 min Scan# 4791
Delta R.T. -0.00 min
Lab File: BE089832.D
Acq: 25 Mar 2015 4:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	31.3	21.0	31.4
125	61.9	13.3	19.9#





#30

Benzo(g,h,i)perylene

Concen: 0.40 ng

RT: 29.83 min Scan# 5344

Delta R.T. 0.01 min

Lab File: BE089832.D

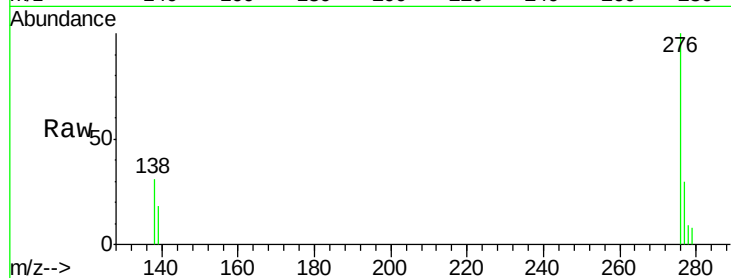
Acq: 25 Mar 2015 4:56

Instrument :

BNA_E

ClientSampleId :

MW-11



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		19548		
277	29.5	19.2	28.8#		
138	30.9	22.9	34.3		

Manual Integrations
APPROVED

mohammad
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