

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090115\
 Data File : BE090678.D
 Acq On : 1 Sep 2015 22:21
 Operator : UM/IZ
 Sample : G3462-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

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 9/2/2015 4:07:59 PM

Quant Time: Sep 02 11:48:40 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	46704	5.00	ng	0.00
6) Naphthalene-d8	10.32	136	200446	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	105470	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	277511	5.00	ng	0.00
25) Chrysene-d12	21.07	240	351139	5.00	ng	0.00
32) Perylene-d12	23.36	264	318665	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.19	112	16794	1.86	ng	0.00
5) Phenol-d6	6.76	99	13050	1.00	ng	0.00
7) Nitrobenzene-d5	8.72	82	34084	2.57	ng	0.01
13) 2,4,6-Tribromophenol	15.68	330	20740	6.72	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	82780	2.83	ng	0.00
27) Terphenyl-d14	19.53	244	216453	5.57	ng	0.00
Target Compounds						Qvalue
16) Acenaphthene	14.23	154	1052	0.04	ng	90
17) Fluorene	15.24	166	1358	0.04	ng	# 91
22) Phenanthrene	16.95	178	25947	0.38	ng	99
23) Anthracene	17.05	178	6225	0.11	ng	96
24) Fluoranthene	18.96	202	65390	0.90	ng	99
26) Pyrene	19.32	202	61188	0.84	ng	96
28) Benzo(a)anthracene	21.06	228	30182	0.38	ng	98
29) Chrysene	21.11	228	30895	0.31	ng	98
30) Bis(2-ethylhexyl)phthalate	21.01	149	4579	0.29	ng	95
31) Indeno(1,2,3-cd)pyrene	25.73	276	13597	0.16	ng	92
33) Benzo(b)fluoranthene	22.67	252	32730	0.47	ng	98
34) Benzo(k)fluoranthene	22.71	252	15500m	0.19	ng	
35) Benzo(a)pyrene	23.26	252	19614	0.32	ng	95
36) Dibenzo(a,h)anthracene	25.73	278	3019	0.18	ng	# 83
37) Benzo(g,h,i)perylene	26.45	276	15163	0.21	ng	95

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

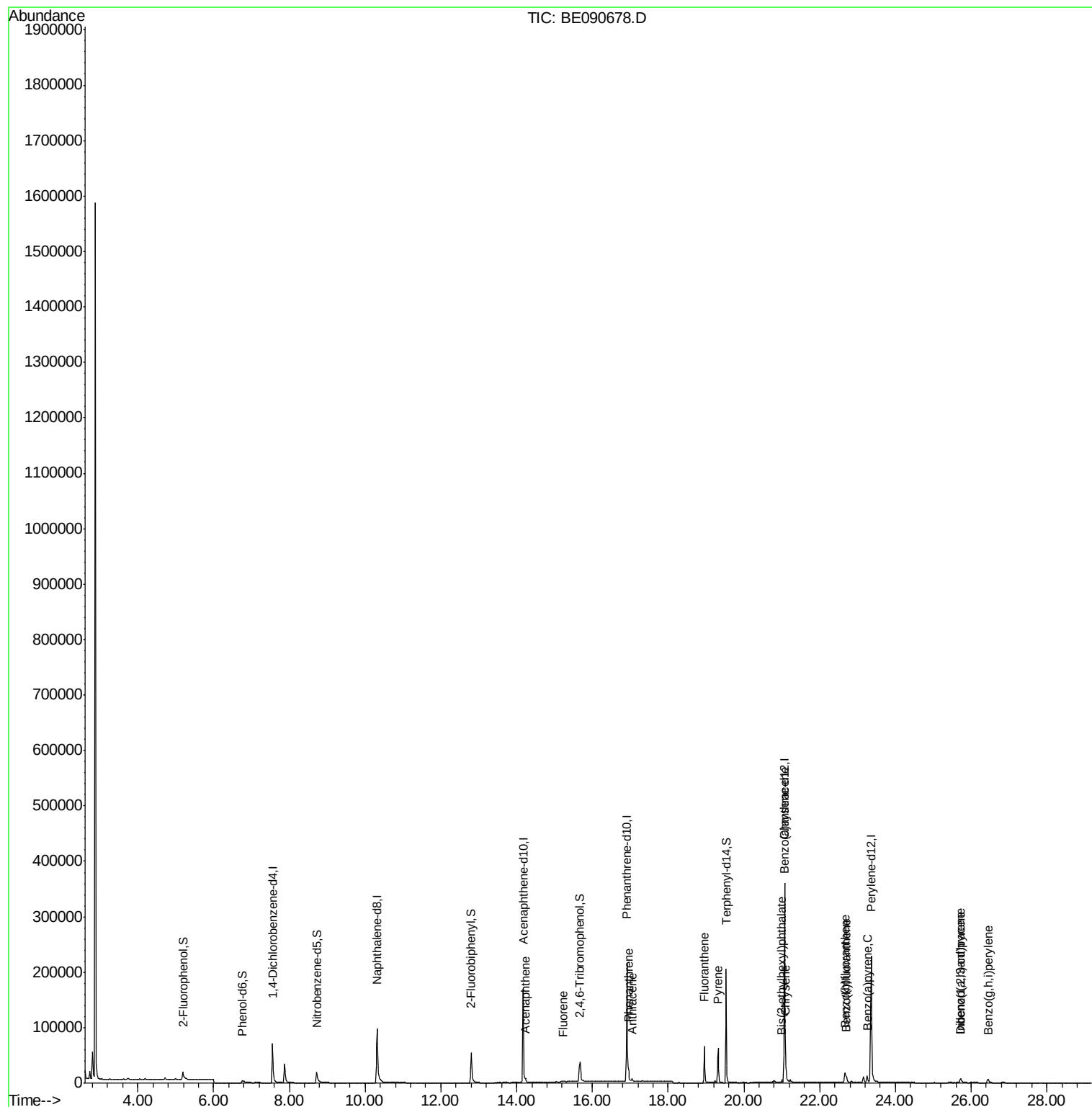
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE090115\
Data File : BE090678.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

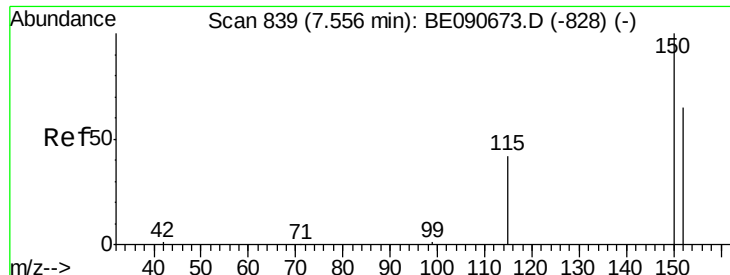
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 02 11:40:50 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.56 min Scan# 839

Delta R.T. -0.00 min

Lab File: BE090678.D

Acq: 1 Sep 2015 22:21

Instrument :

BNA_E

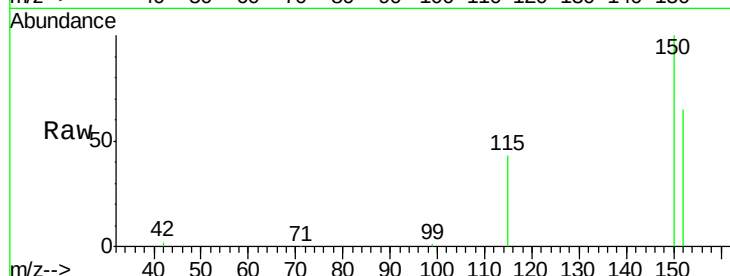
ClientSampleId :

MW-2

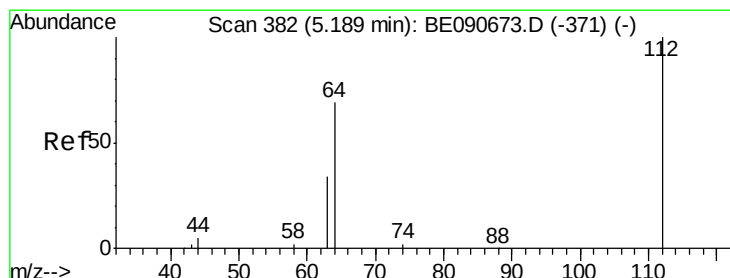
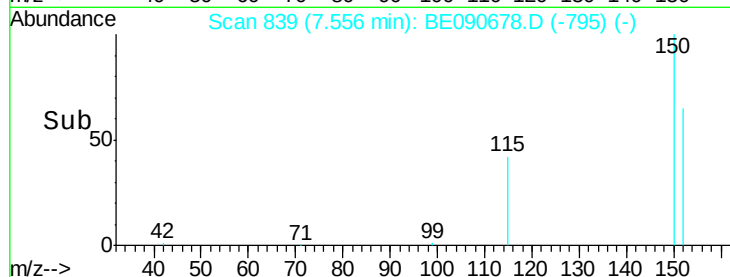
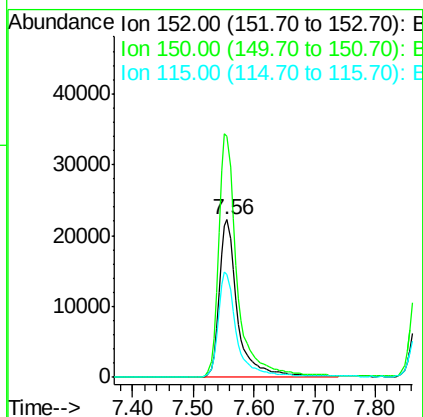
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Tgt Ion:	152	Resp:	46704
Ion Ratio	Lower	Upper	
152	100		
150	153.1	122.2	183.4
115	65.1	51.0	76.4



#4

2-Fluorophenol

Concen: 1.86 ng

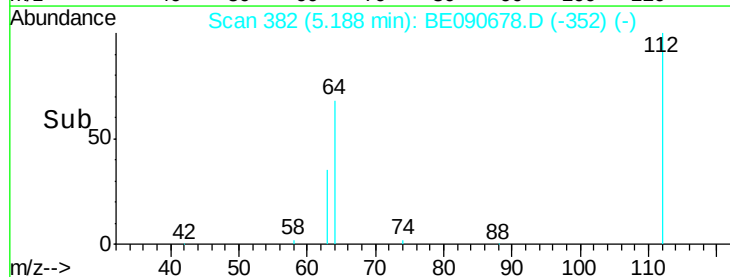
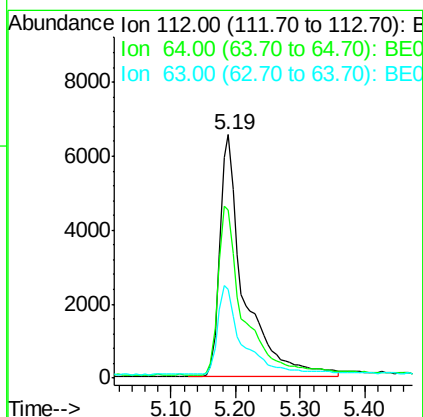
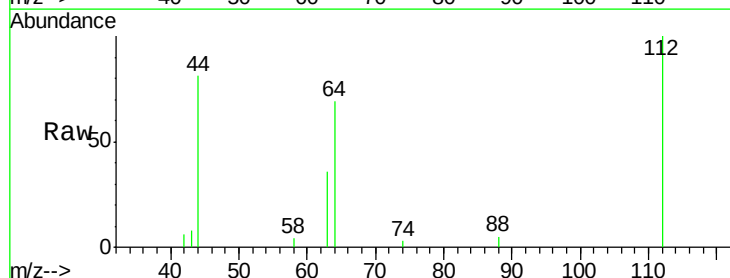
RT: 5.19 min Scan# 382

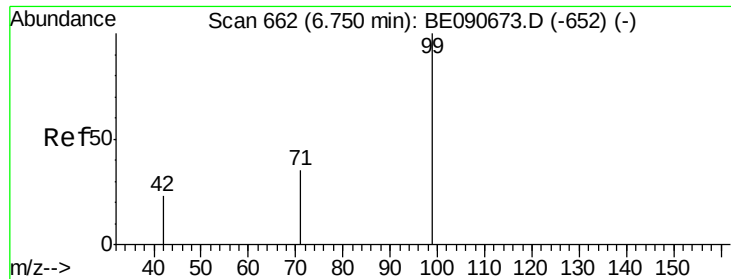
Delta R.T. 0.00 min

Lab File: BE090678.D

Acq: 1 Sep 2015 22:21

Tgt Ion:	112	Resp:	16794
Ion Ratio	Lower	Upper	
112	100		
64	73.1	57.3	85.9
63	37.7	29.2	43.8





#5

Phenol-d6

Concen: 1.00 ng

RT: 6.76 min Scan# 664

Delta R.T. 0.01 min

Lab File: BE090678.D

Acq: 1 Sep 2015 22:21

Instrument :

BNA_E

ClientSampleId :

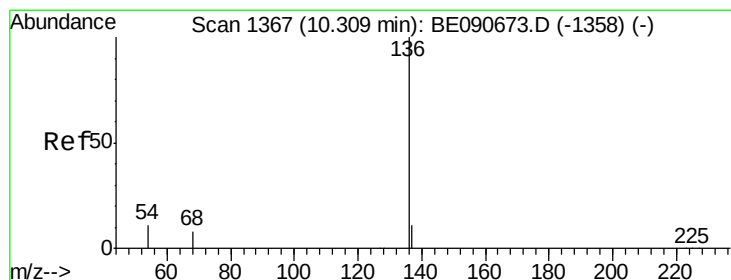
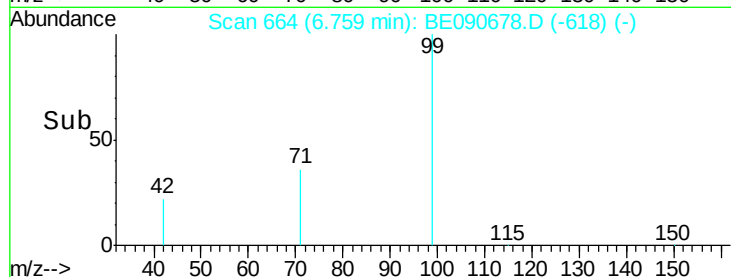
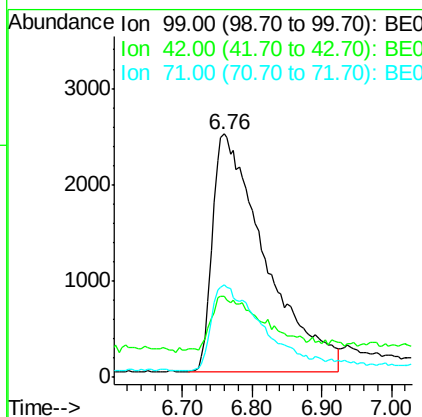
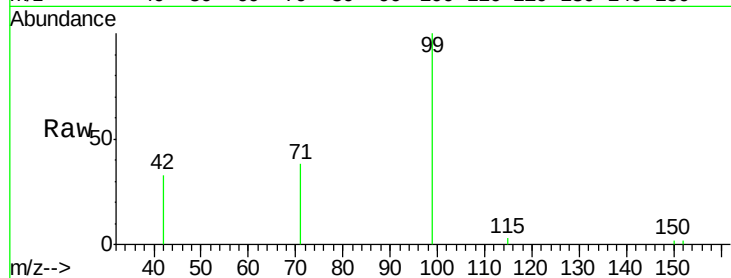
MW-2

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Tgt Ion:	99	Resp:	13050
Ion	Ratio	Lower	Upper
99	100		
42	21.3	16.8	25.2
71	34.5	28.3	42.5



#6

Naphthalene-d8

Concen: 5.00 ng

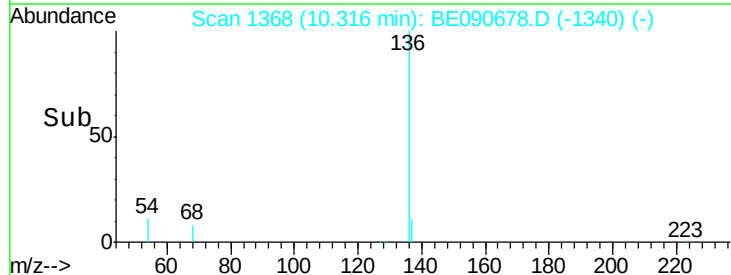
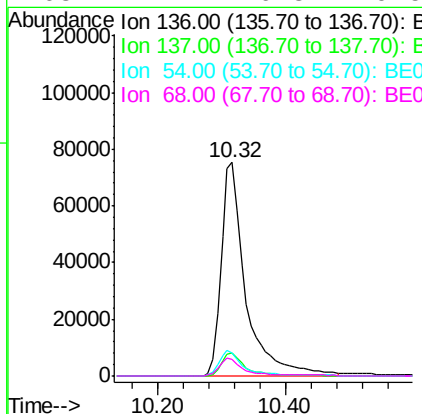
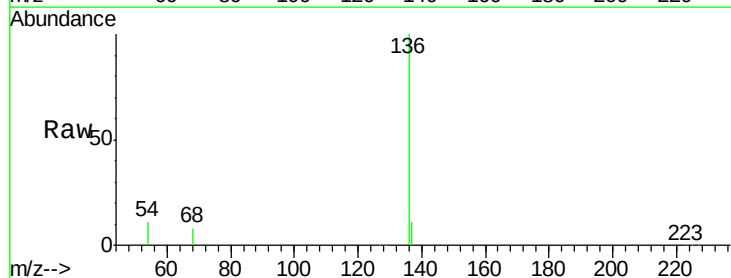
RT: 10.32 min Scan# 1368

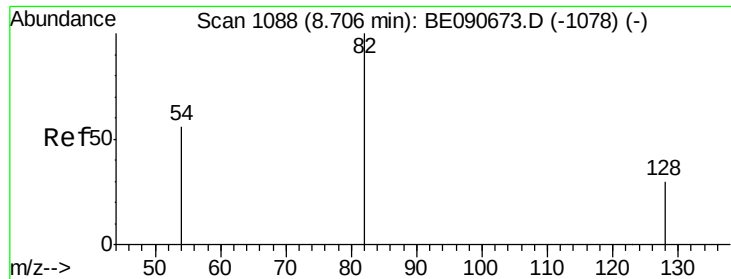
Delta R.T. 0.01 min

Lab File: BE090678.D

Acq: 1 Sep 2015 22:21

Tgt Ion:	136	Resp:	200446
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.7	13.1
54	10.7	9.0	13.6
68	7.7	6.3	9.5





#7

Nitrobenzene-d5

Concen: 2.57 ng

RT: 8.72 min Scan# 1091

Delta R.T. 0.01 min

Lab File: BE090678.D

Acq: 1 Sep 2015 22:21

Instrument :

BNA_E

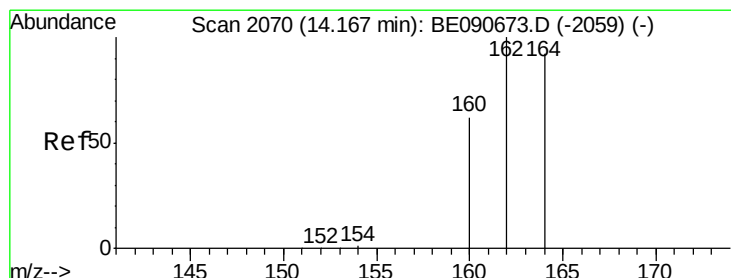
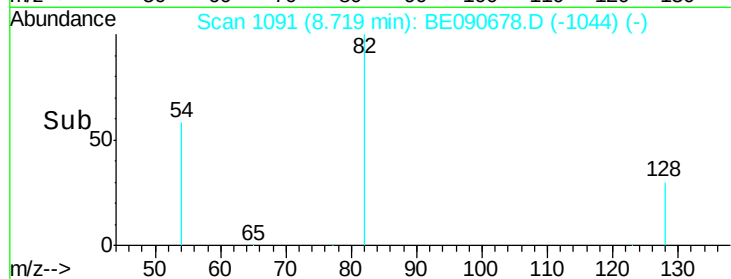
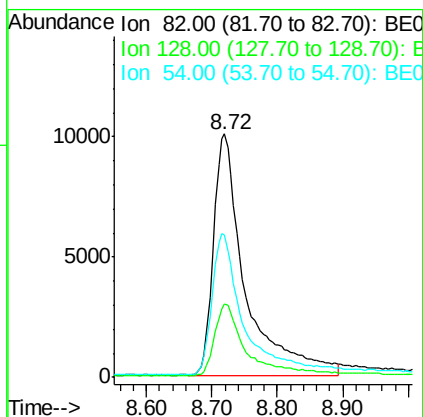
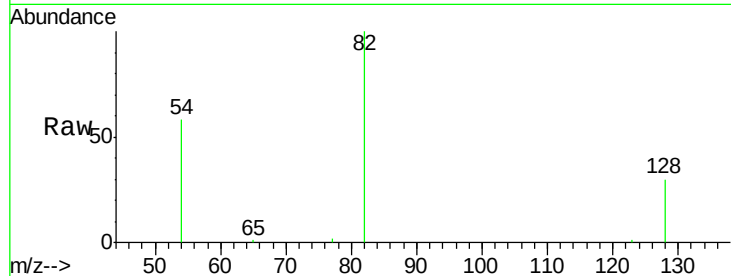
ClientSampled :

MW-2

Tgt Ion:	82	Resp:	34084
Ion Ratio	Lower	Upper	
82	100		
128	29.9	25.0	37.4
54	58.3	46.3	69.5

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#12

Acenaphthene-d10

Concen: 5.00 ng

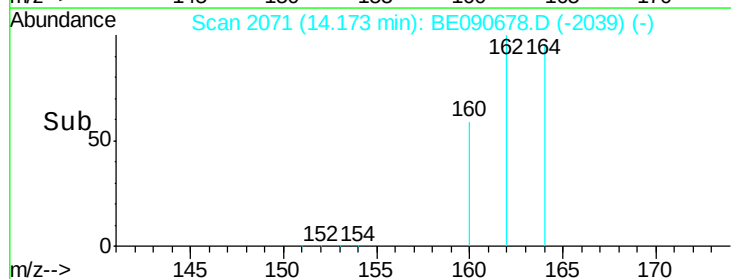
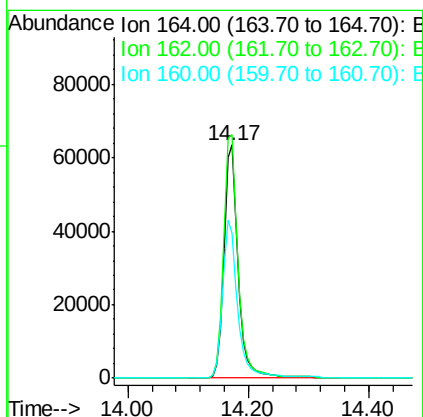
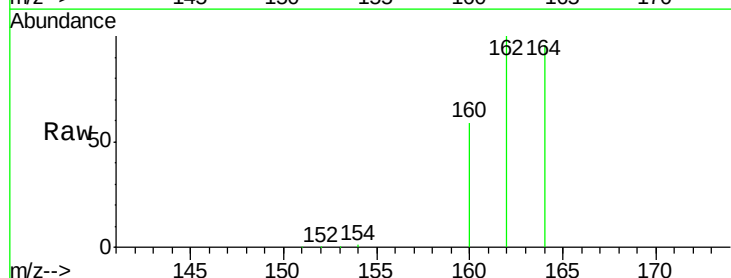
RT: 14.17 min Scan# 2071

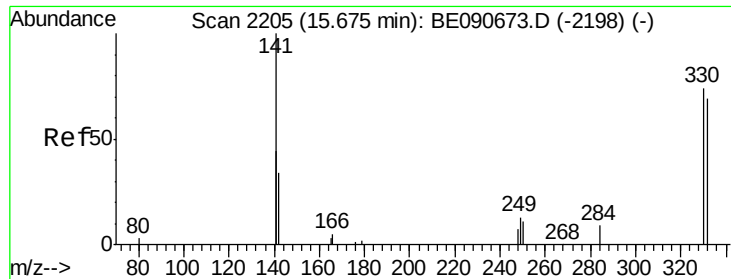
Delta R.T. 0.01 min

Lab File: BE090678.D

Acq: 1 Sep 2015 22:21

Tgt Ion:	164	Resp:	105470
Ion Ratio	Lower	Upper	
164	100		
162	104.6	86.8	130.2
160	62.2	53.9	80.9





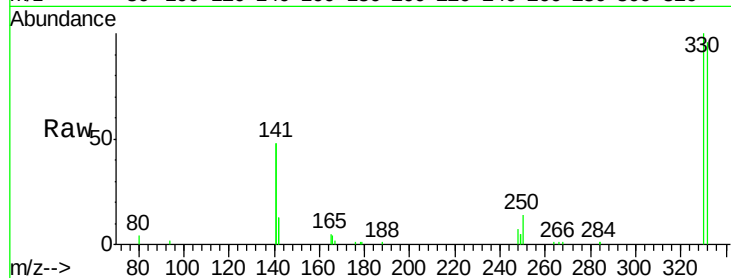
#13
 2,4,6-Tribromophenol
 Concen: 6.72 ng
 RT: 15.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

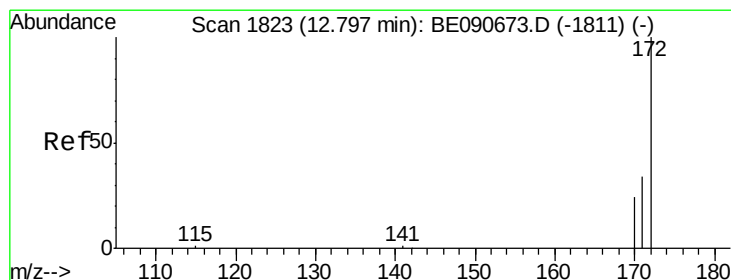
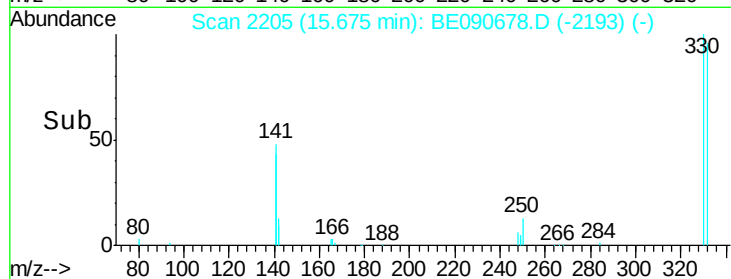
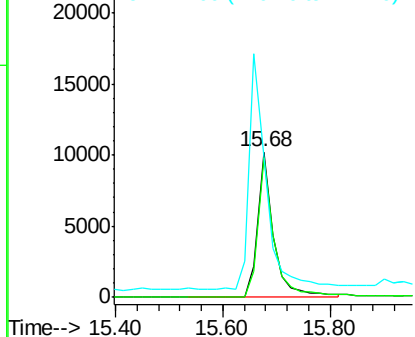
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.7	74.9	112.3
141	177.5	145.2	217.8

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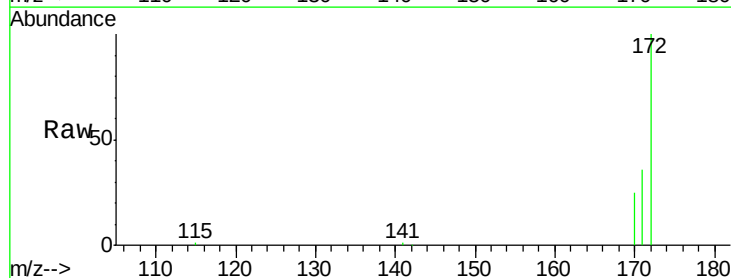


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

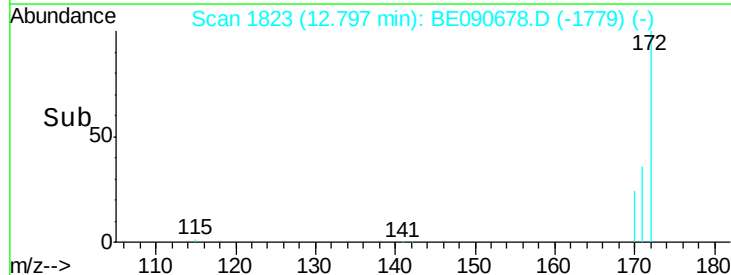
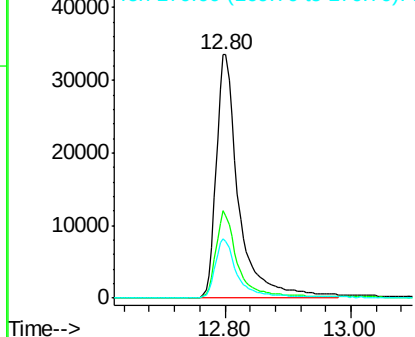


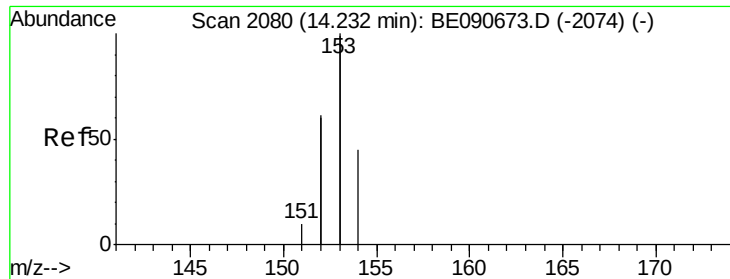
#14
 2-Fluorobiphenyl
 Concen: 2.83 ng
 RT: 12.80 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.8	41.8
170	24.5	19.8	29.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





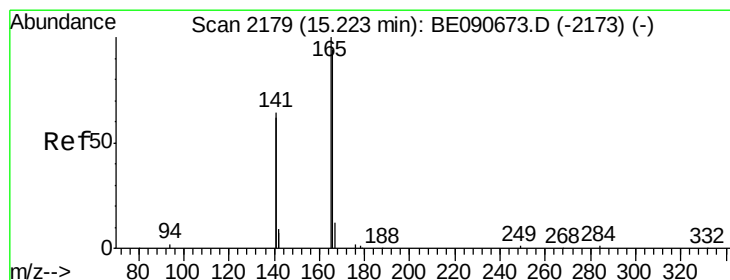
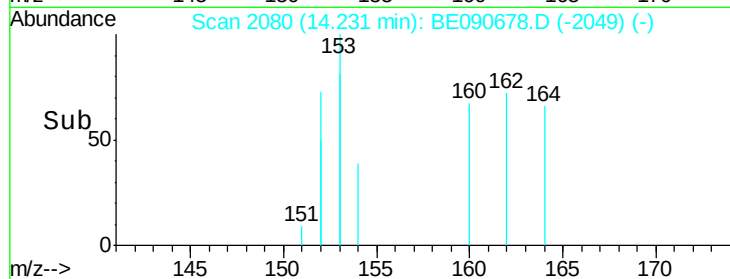
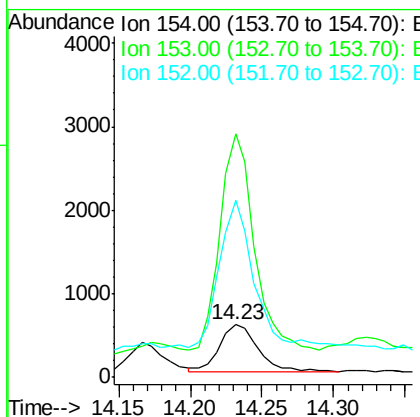
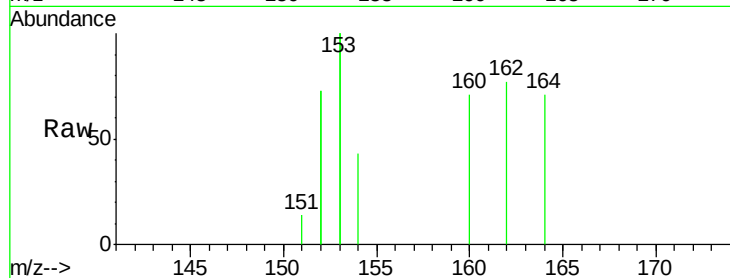
#16
Acenaphthene
Concen: 0.04 ng
RT: 14.23 min Scan# 2080
Delta R.T. -0.00 min
Lab File: BE090678.D
Acq: 1 Sep 2015 22:21

Instrument :
BNA_E
ClientSampleId :
MW-2

Tgt Ion	Ratio	Lower	Upper
154	100		
153	426.7	354.5	531.7
152	313.3	227.8	341.6

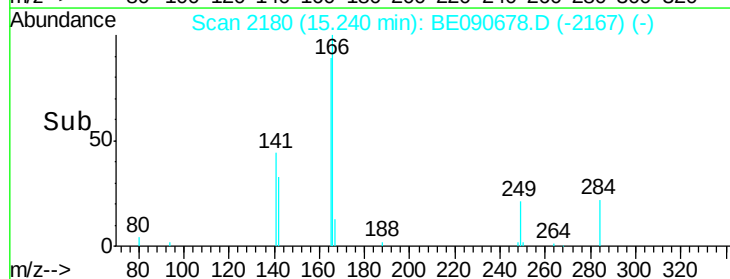
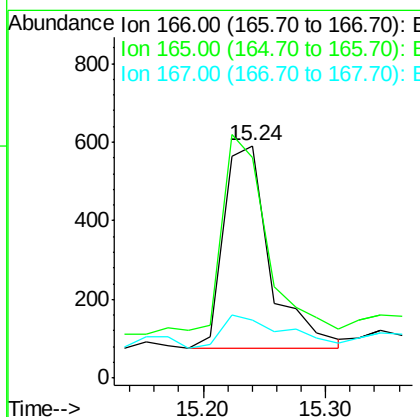
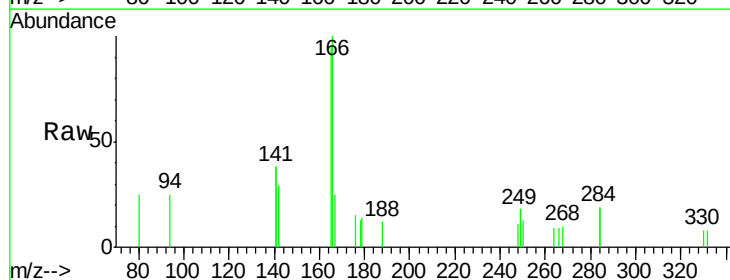
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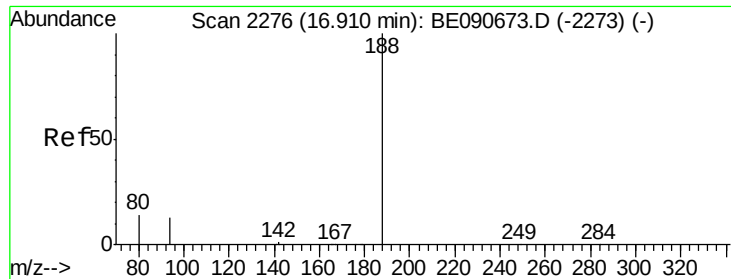
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#17
Fluorene
Concen: 0.04 ng
RT: 15.24 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BE090678.D
Acq: 1 Sep 2015 22:21

Tgt Ion	Ratio	Lower	Upper
166	100		
165	111.4	82.7	124.1
167	22.1	10.7	16.1#





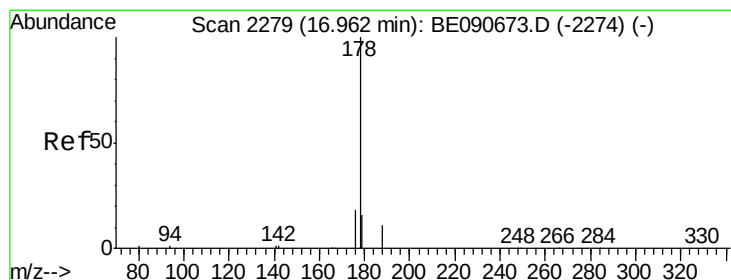
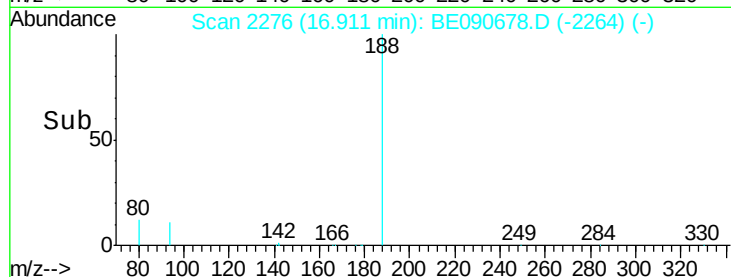
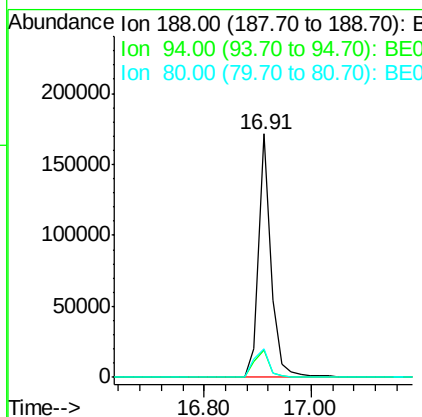
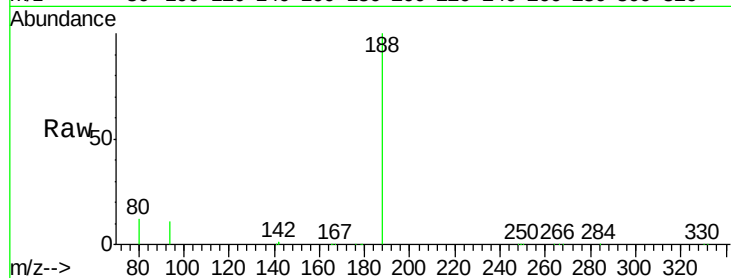
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2276
Delta R.T. 0.00 min
Lab File: BE090678.D
Acq: 1 Sep 2015 22:21

Instrument :
BNA_E
ClientSampleId :
MW-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	11.1	10.3	15.5
80	11.9	11.0	16.6

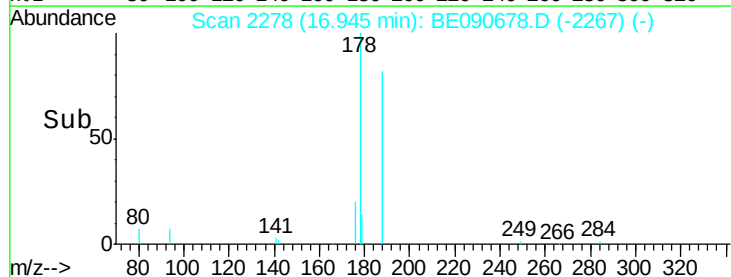
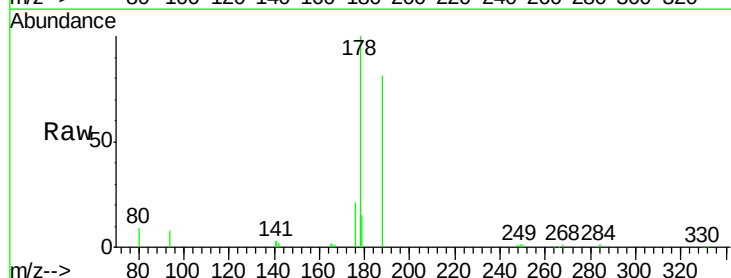
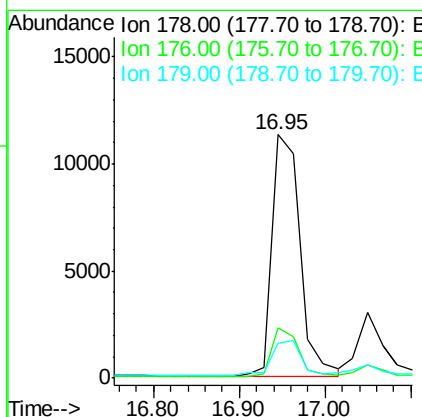
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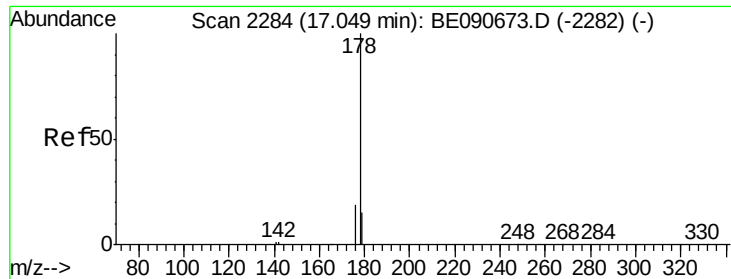
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#22
Phenanthrene
Concen: 0.38 ng
RT: 16.95 min Scan# 2278
Delta R.T. -0.02 min
Lab File: BE090678.D
Acq: 1 Sep 2015 22:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	15.6	23.4
179	15.4	12.8	19.2





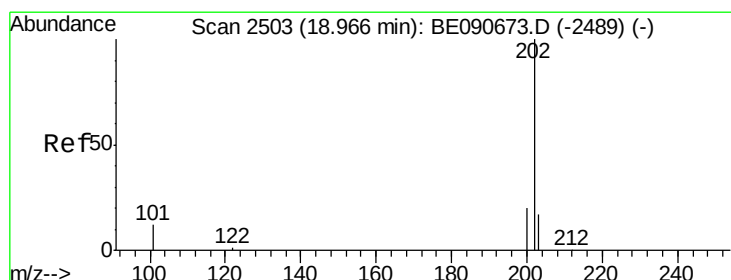
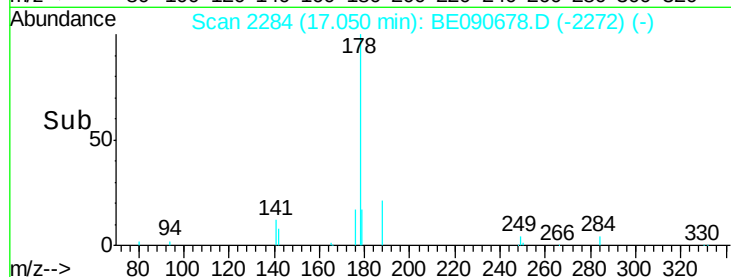
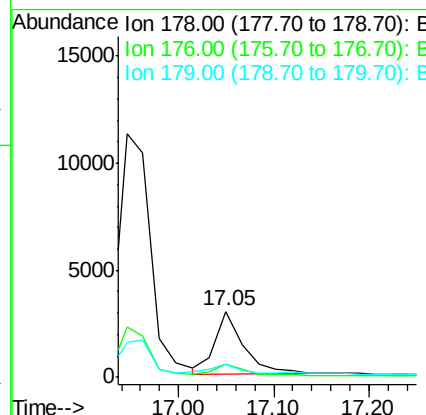
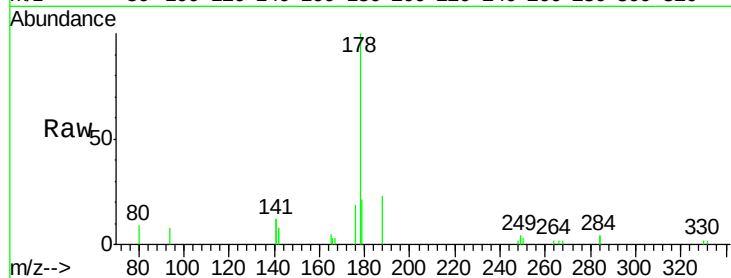
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 Anthracene
 Concen: 0.11 ng
 RT: 17.05 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.0	15.0	22.6
179	16.9	12.3	18.5

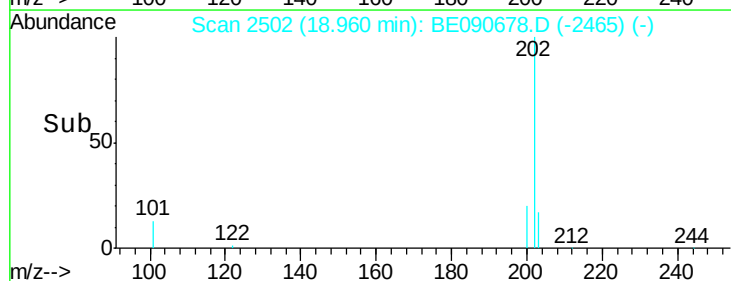
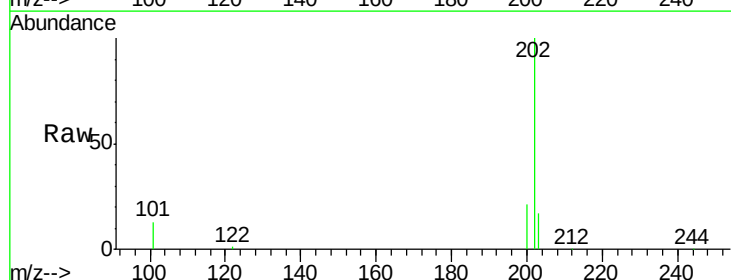
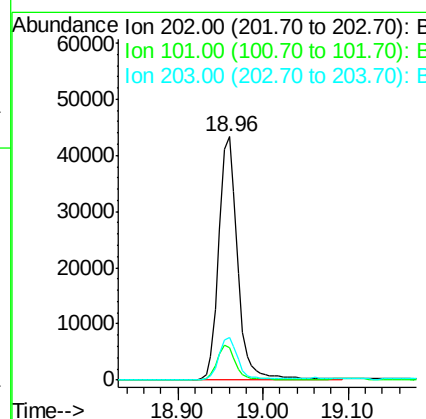
Manual Integrations
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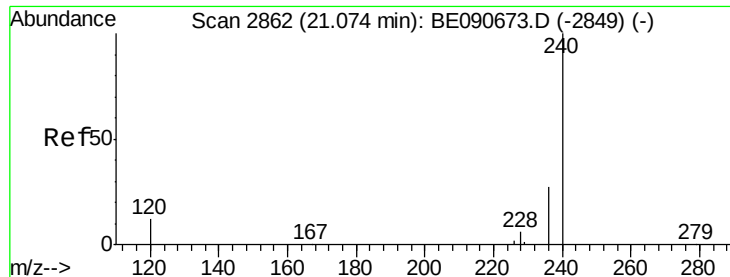
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#24
 Fluoranthene
 Concen: 0.90 ng
 RT: 18.96 min Scan# 2502
 Delta R.T. -0.01 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	11.0	16.6
203	17.0	13.9	20.9





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2862

Delta R.T. -0.00 min

Lab File: BE090678.D

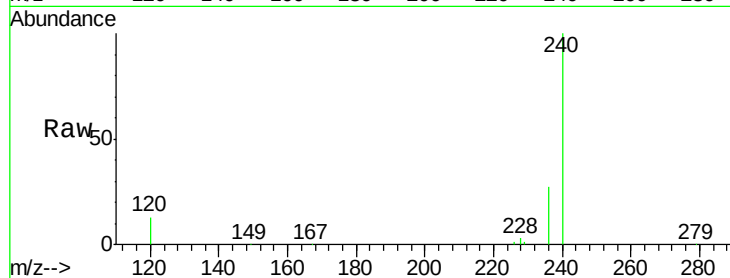
Acq: 1 Sep 2015 22:21

Instrument :

BNA_E

ClientSampleId :

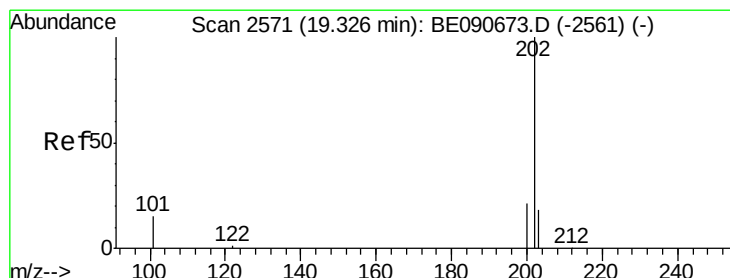
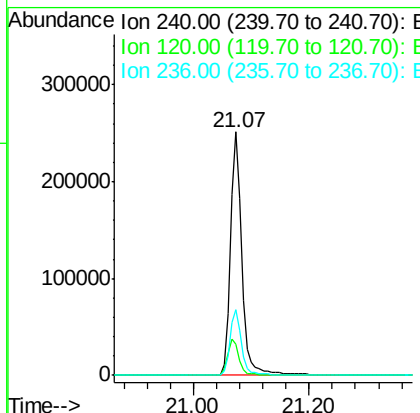
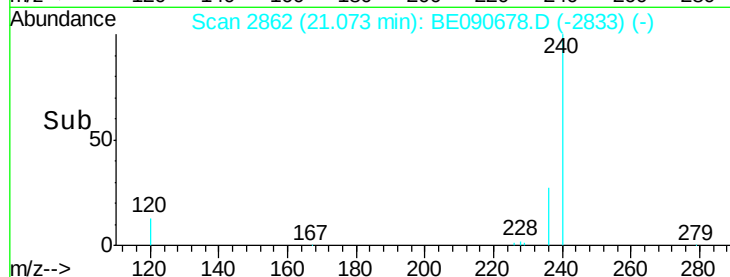
MW-2



Tgt Ion:	240	Resp:	351139
Ion Ratio		Lower	Upper
240	100		
120	12.6	10.1	15.1
236	26.9	21.9	32.9

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#26

Pyrene

Concen: 0.84 ng

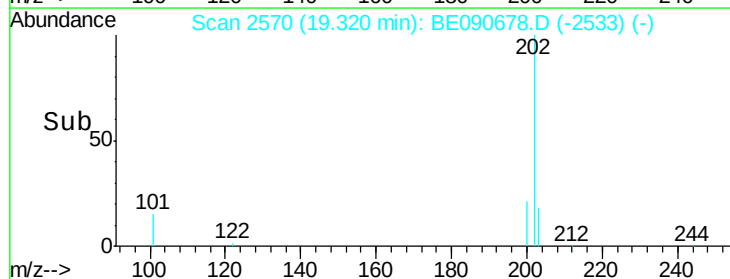
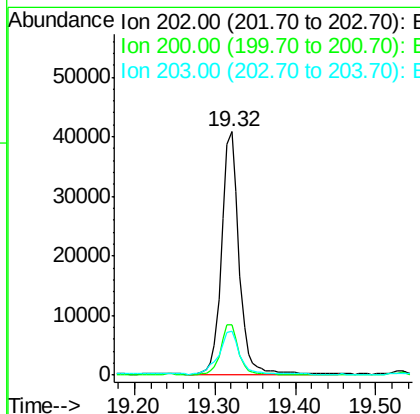
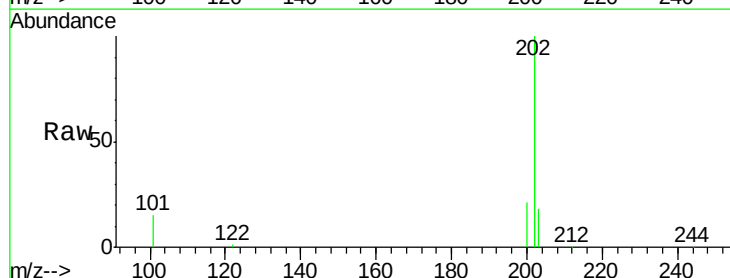
RT: 19.32 min Scan# 2570

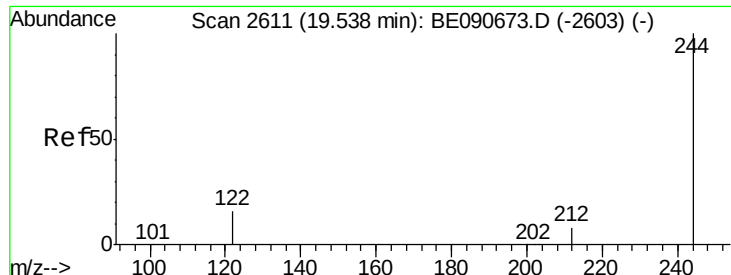
Delta R.T. -0.01 min

Lab File: BE090678.D

Acq: 1 Sep 2015 22:21

Tgt Ion:	202	Resp:	61188
Ion Ratio		Lower	Upper
202	100		
200	21.3	16.7	25.1
203	20.5	13.8	20.6





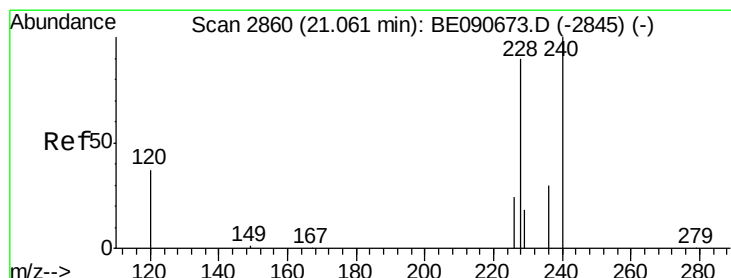
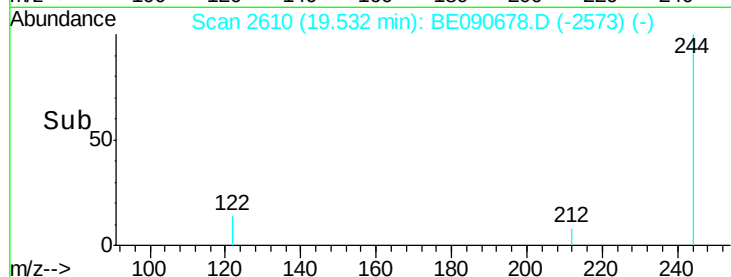
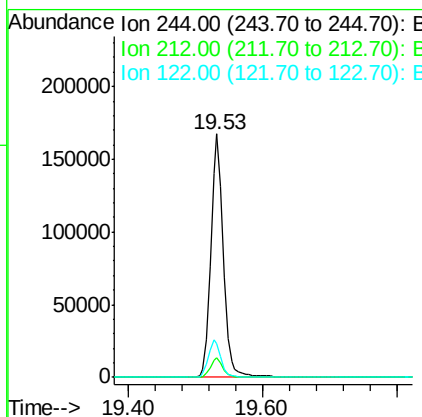
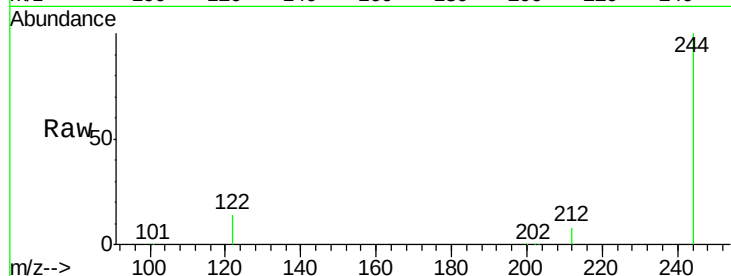
#27
 Terphenyl-d14
 Concen: 5.57 ng
 RT: 19.53 min Scan# 2610
 Delta R.T. -0.01 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	216453		
212	8.1	6.9	10.3	
122	13.8	12.9	19.3	

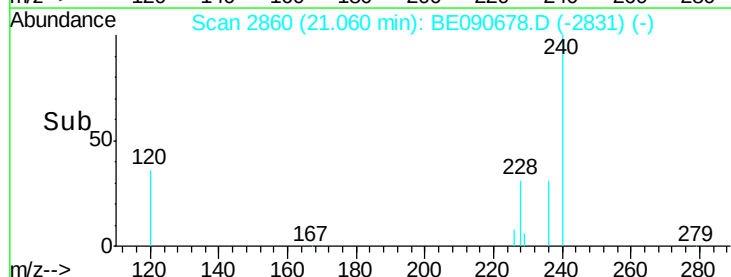
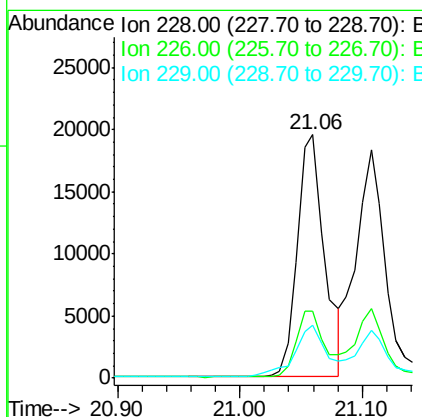
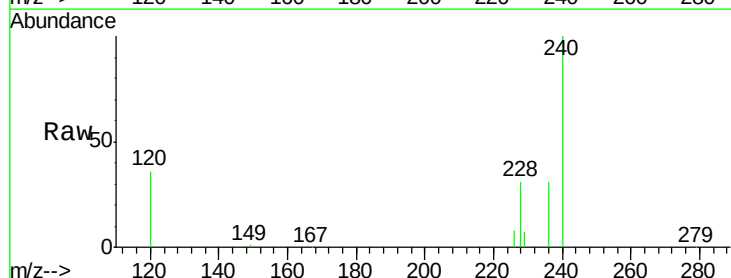
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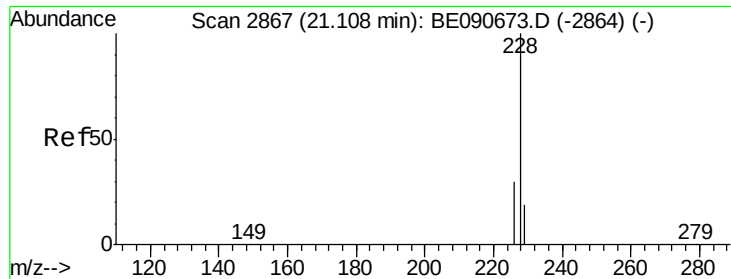
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#28
 Benzo(a)anthracene
 Concen: 0.38 ng
 RT: 21.06 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	30182		
226	27.5	21.6	32.4	
229	21.5	15.9	23.9	





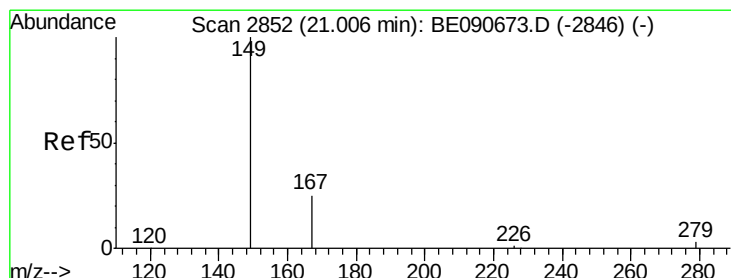
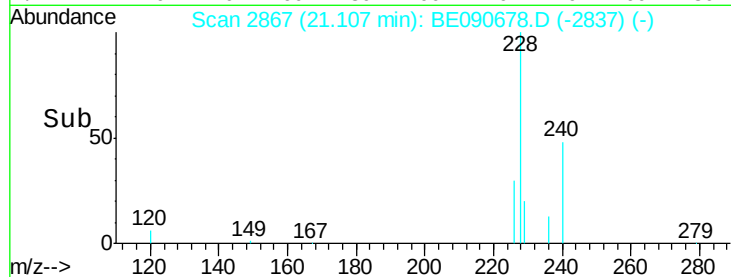
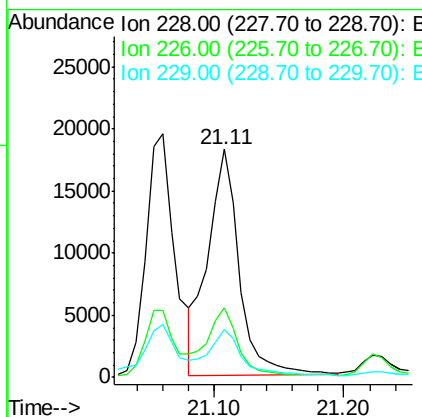
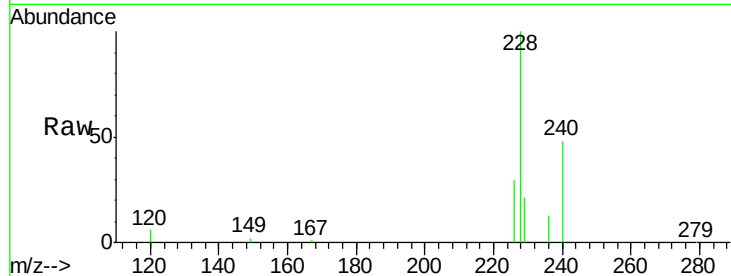
#29
Chrysene
 Concen: 0.31 ng
 RT: 21.11 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Instrument :
 BNA_E
 ClientSampleId :
 MW-2

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	30895		
226	30.3		24.2	36.4
229	20.9		15.3	22.9

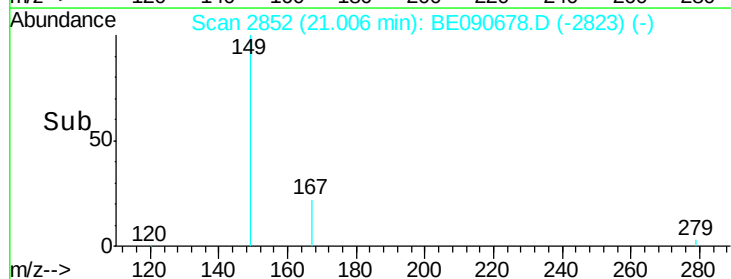
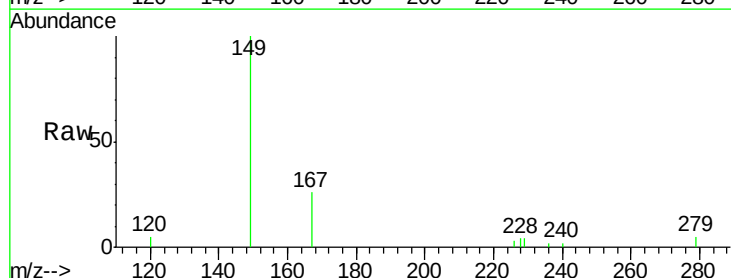
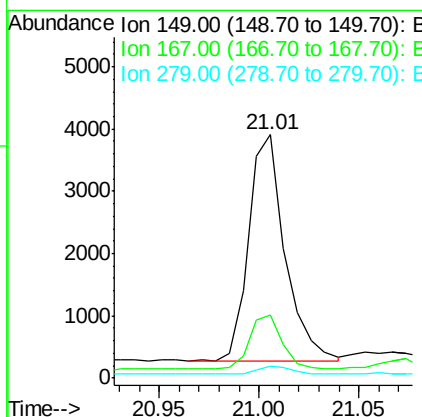
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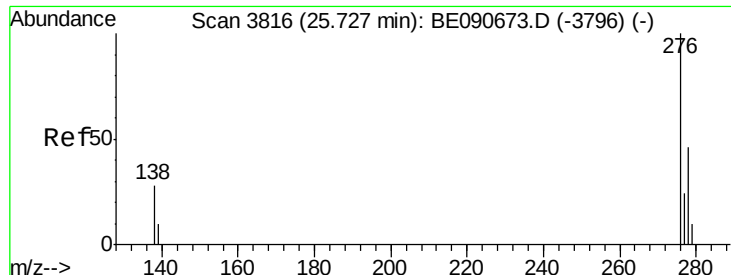
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#30
Bis(2-ethylhexyl)phthalate
 Concen: 0.29 ng
 RT: 21.01 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	4579		
167	22.4		20.1	30.1
279	3.0		2.3	3.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.16 ng

RT: 25.73 min Scan# 3816

Delta R.T. -0.00 min

Lab File: BE090678.D

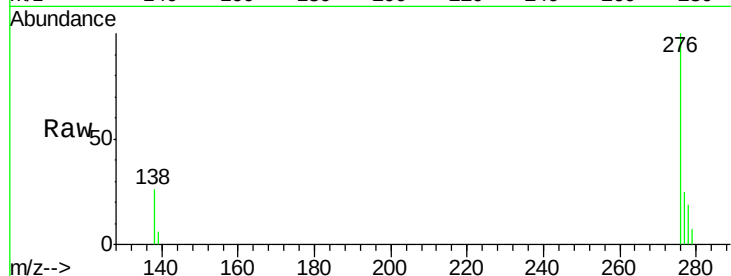
Acq: 1 Sep 2015 22:21

Instrument :

BNA_E

ClientSampleId :

MW-2



Tgt Ion: 276 Resp: 13597

Ion Ratio Lower Upper

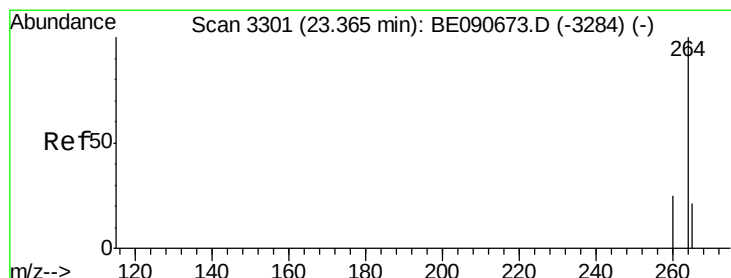
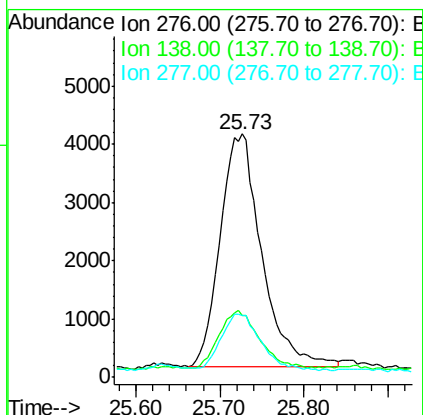
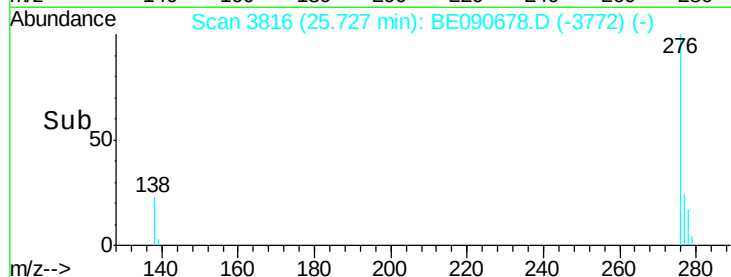
276 100

138 23.9 23.3 34.9

277 22.2 19.8 29.6

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#32

Perylene-d12

Concen: 5.00 ng

RT: 23.36 min Scan# 3300

Delta R.T. -0.00 min

Lab File: BE090678.D

Acq: 1 Sep 2015 22:21

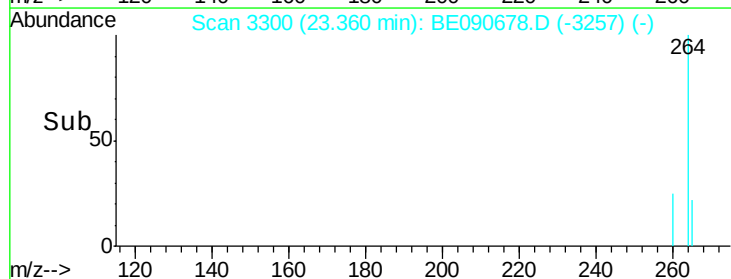
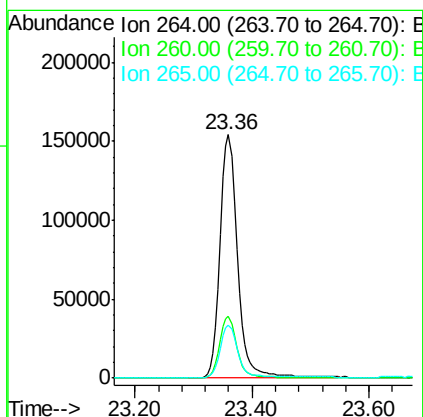
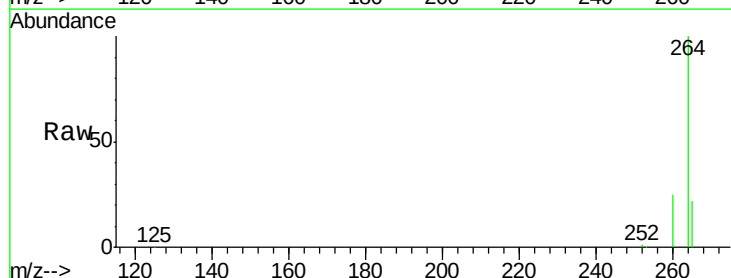
Tgt Ion: 264 Resp: 318665

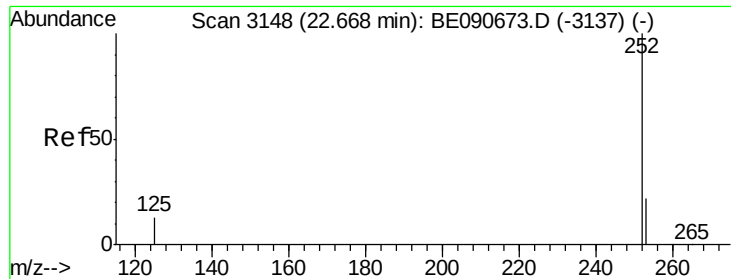
Ion Ratio Lower Upper

264 100

260 25.3 19.7 29.5

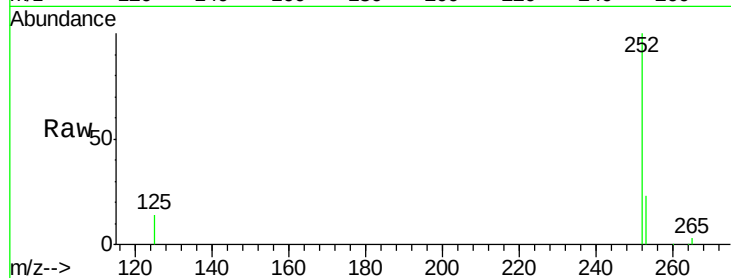
265 21.9 17.5 26.3





#33
Benzo(b)fluoranthene
Concen: 0.47 ng
RT: 22.67 min Scan# 3148
Delta R.T. -0.00 min
Lab File: BE090678.D
Acq: 1 Sep 2015 22:21

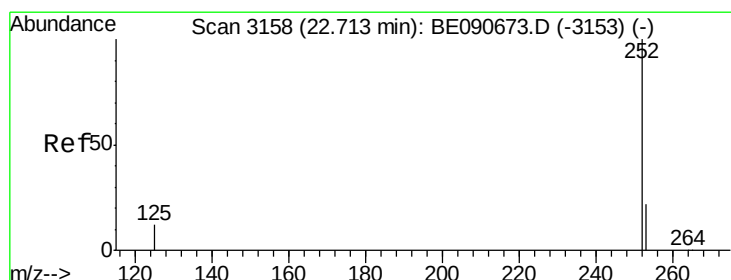
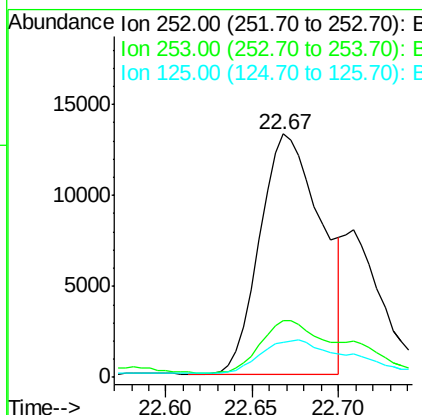
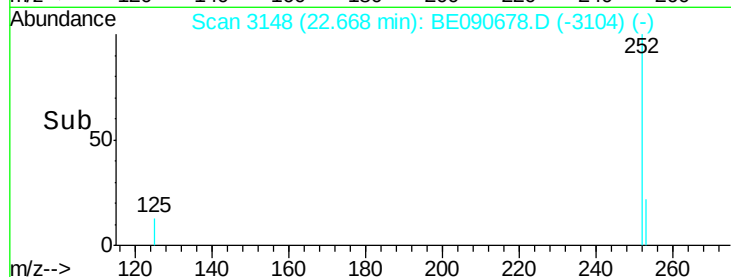
Instrument :
BNA_E
ClientSampleId :
MW-2



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	14.4	10.6	16.0

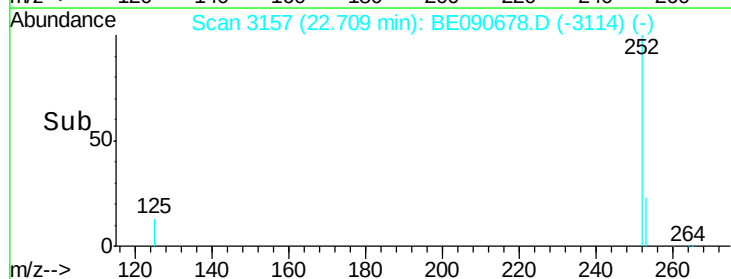
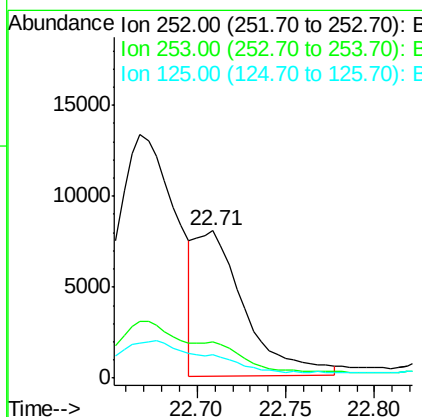
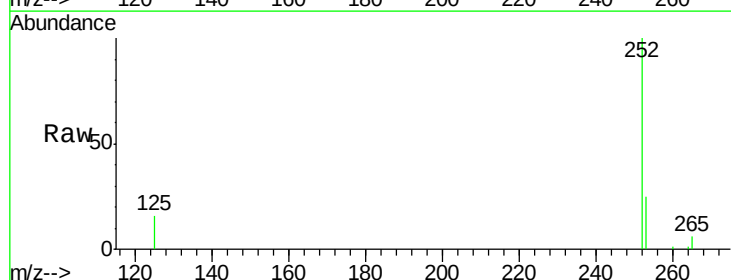
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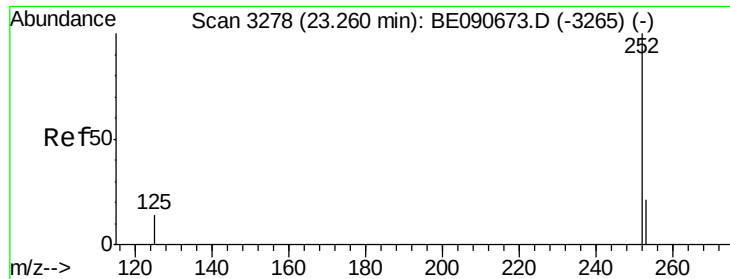
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#34
Benzo(k)fluoranthene
Concen: 0.19 ng m
RT: 22.71 min Scan# 3157
Delta R.T. -0.00 min
Lab File: BE090678.D
Acq: 1 Sep 2015 22:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	15.6	10.1	15.1#





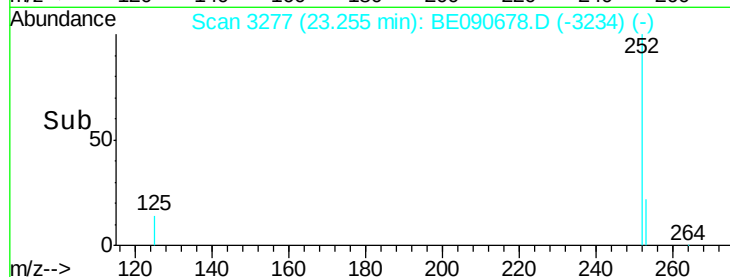
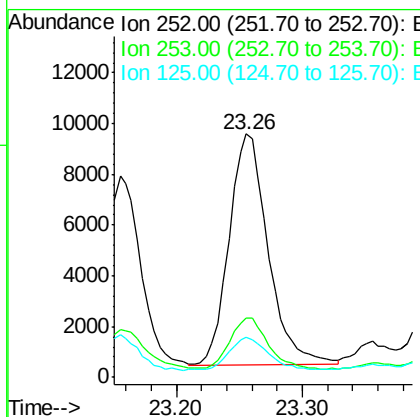
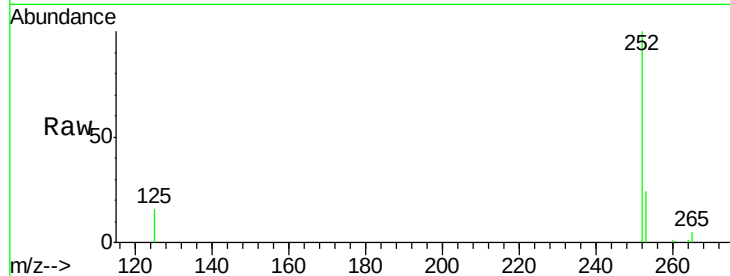
#35
Benzo(a)pyrene
Concen: 0.32 ng
RT: 23.26 min Scan# 3277
Delta R.T. -0.00 min
Lab File: BE090678.D
Acq: 1 Sep 2015 22:21

Instrument :
BNA_E
ClientSampleId :
MW-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	16.3	11.6	17.4

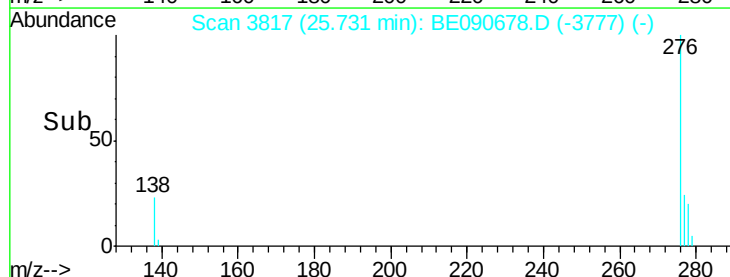
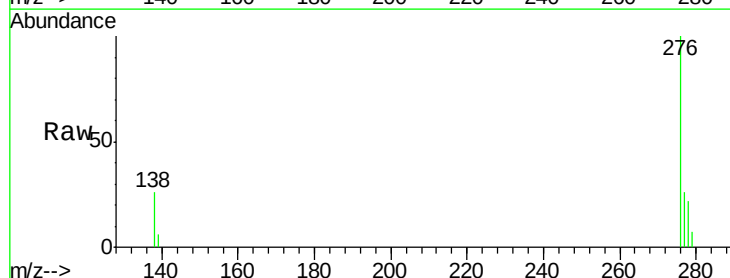
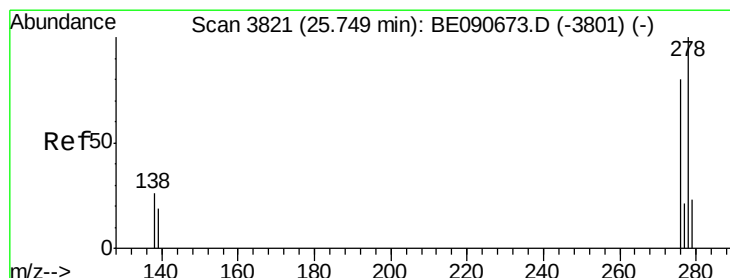
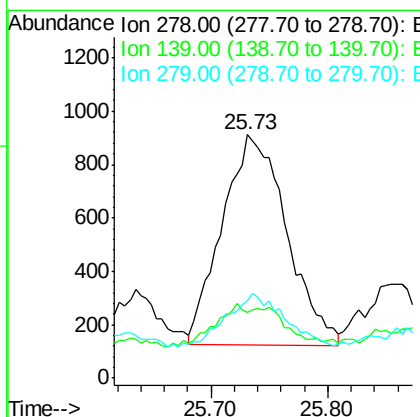
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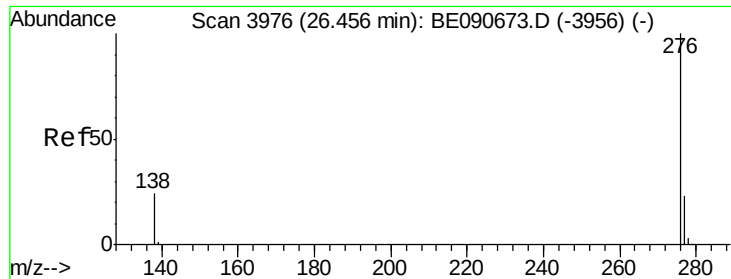
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#36
Dibenzo(a,h)anthracene
Concen: 0.18 ng
RT: 25.73 min Scan# 3817
Delta R.T. -0.02 min
Lab File: BE090678.D
Acq: 1 Sep 2015 22:21

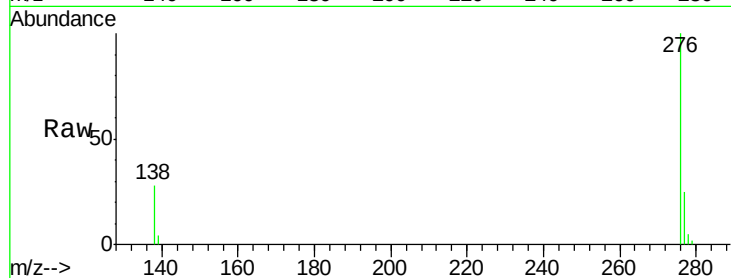
Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.9	15.4	23.0#
279	31.8	18.8	28.2#





#37
 Benzo(g,h,i)perylene
 Concen: 0.21 ng
 RT: 26.45 min Scan# 3974
 Delta R.T. -0.01 min
 Lab File: BE090678.D
 Acq: 1 Sep 2015 22:21

Instrument :
 BNA_E
 ClientSampleId :
 MW-2



Tgt Ion:	276	Resp:	15163
Ion Ratio	Lower	Upper	
276	100		
277	24.8	18.5	27.7
138	28.0	20.1	30.1

Manual Integrations
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