

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE090003.D
 Acq On : 30 Jun 2015 5:20
 Operator : TP/IZ
 Sample : G2810-21
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0530006-150625

Manual Integrations
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Quant Time: Jun 30 08:57:53 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	23240	5.00	ng	0.00
6) Naphthalene-d8	10.39	136	112042	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	65336	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	149205	5.00	ng	0.00
25) Chrysene-d12	21.13	240	154307	5.00	ng	0.00
32) Perylene-d12	23.46	264	152852	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	49812	9.33	ng	0.00
5) Phenol-d6	6.81	99	79401	10.63	ng	0.00
7) Nitrobenzene-d5	8.76	82	46215	5.19	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	24440	12.77	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	97158	4.95	ng	0.00
27) Terphenyl-d14	19.59	244	135678	5.28	ng	0.00
Target Compounds						
9) Naphthalene	10.43	128	2690	0.11	ng	# 91
11) 2-Methylnaphthalene	12.04	142	949	0.06	ng	# 91
15) Acenaphthylene	13.95	152	3784	0.03	ng	# 92
16) Acenaphthene	14.30	154	1539	0.09	ng	94
17) Fluorene	15.29	166	1426	0.06	ng	# 96
22) Phenanthrene	17.01	178	39952	1.05	ng	96
23) Anthracene	17.10	178	9353m	0.27	ng	
24) Fluoranthene	19.02	202	126085	2.95	ng	98
26) Pyrene	19.38	202	115398	3.14	ng	# 96
28) Benzo(a)anthracene	21.11	228	76792	1.99	ng	98
29) Chrysene	21.17	228	83953	2.10	ng	97
31) Indeno(1,2,3-cd)pyrene	25.87	276	58554	1.53	ng	97
33) Benzo(b)fluoranthene	22.75	252	119999	3.56	ng	# 95
34) Benzo(k)fluoranthene	22.79	252	42860m	1.14	ng	
35) Benzo(a)pyrene	23.35	252	79599	2.56	ng	# 95
36) Dibenzo(a,h)anthracene	25.88	278	14399	0.45	ng	# 80
37) Benzo(g,h,i)perylene	26.61	276	60807	1.88	ng	95

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

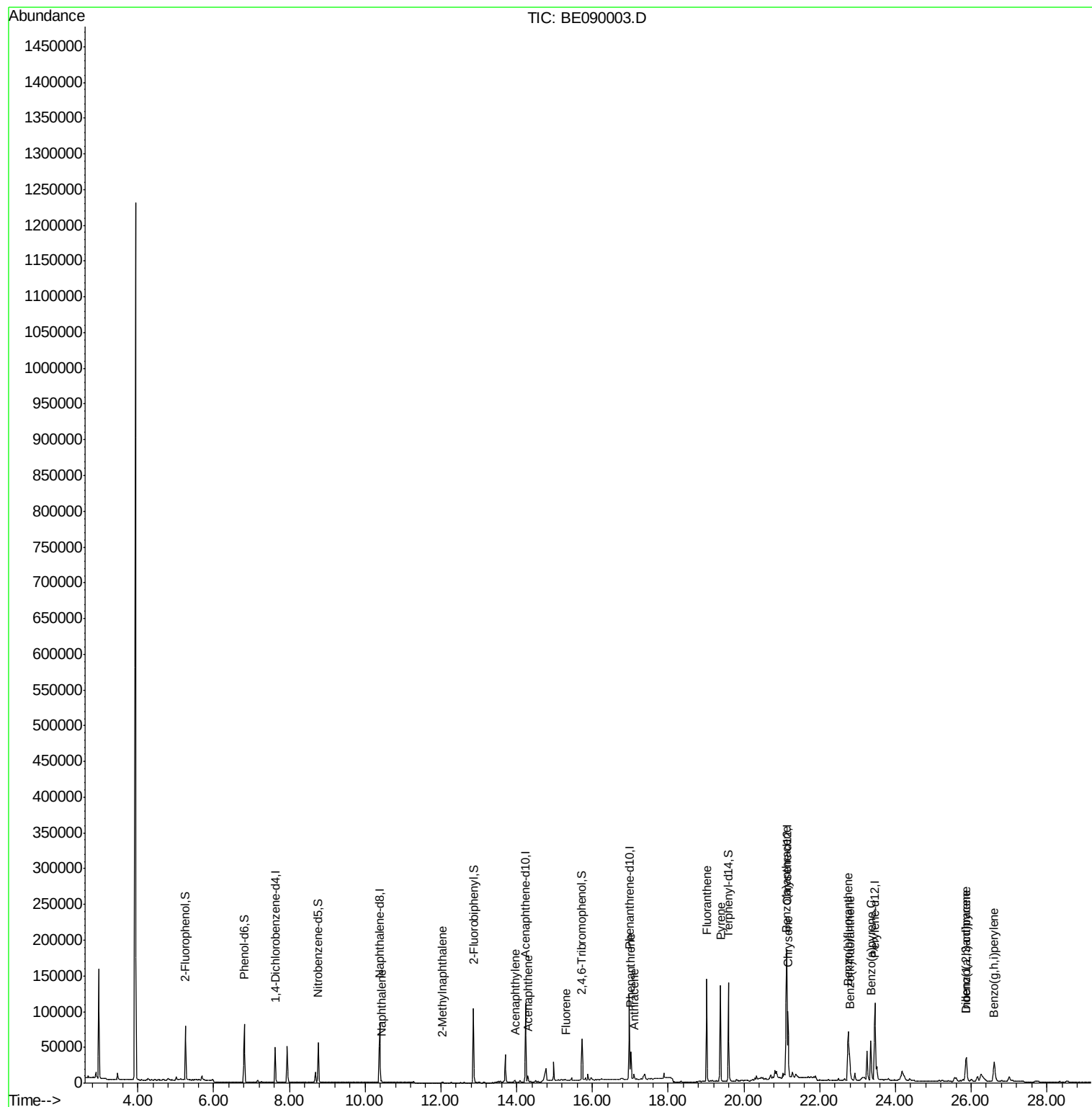
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

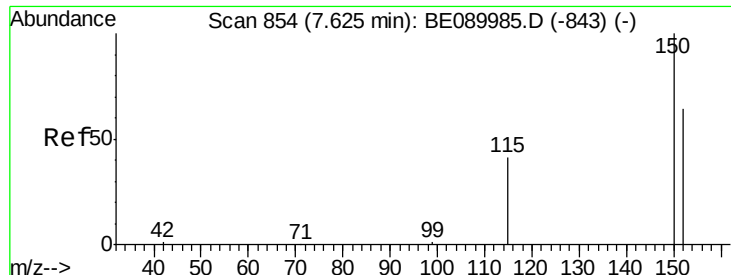
Instrument :
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X1SS0530006-150625

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 854

Delta R.T. 0.00 min

Lab File: BE090003.D

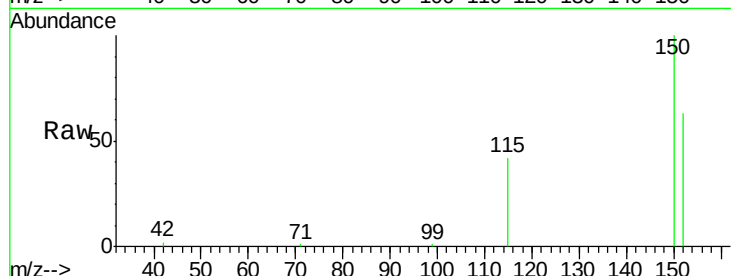
Acq: 30 Jun 2015 5:20

Instrument :

BNA_E

ClientSampleId :

X1SS0530006-150625



Tgt Ion:152 Resp: 23240

Ion Ratio Lower Upper

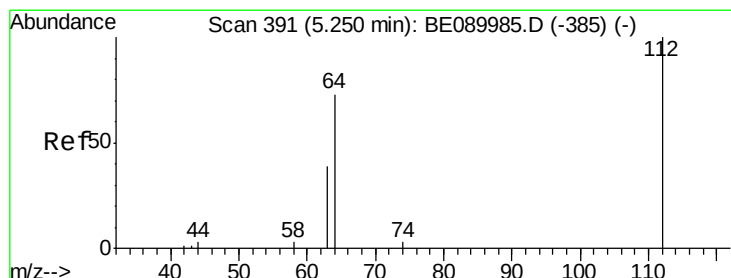
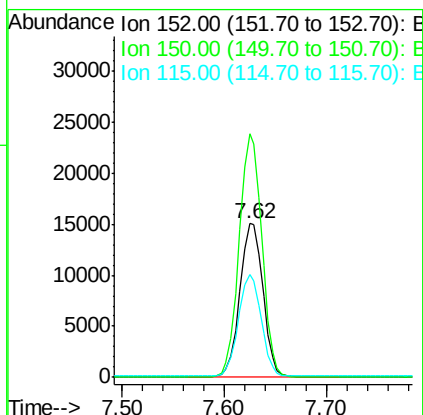
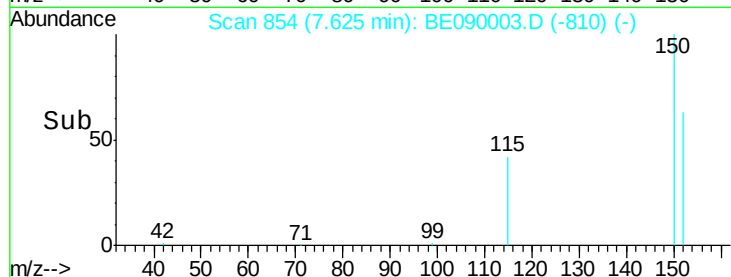
152 100

150 158.2 123.9 185.9

115 67.2 50.6 76.0

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#4

2-Fluorophenol

Concen: 9.33 ng

RT: 5.26 min Scan# 392

Delta R.T. 0.01 min

Lab File: BE090003.D

Acq: 30 Jun 2015 5:20

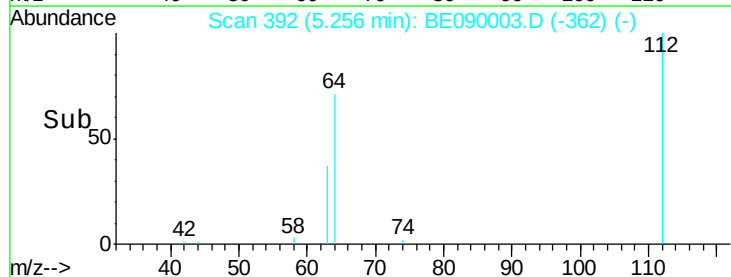
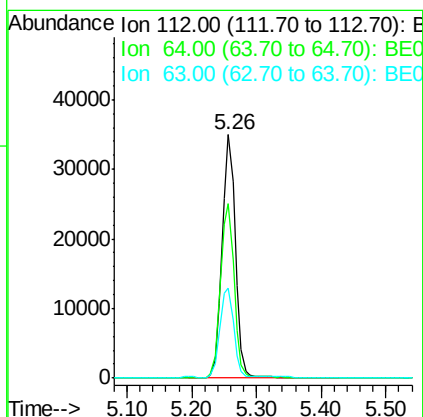
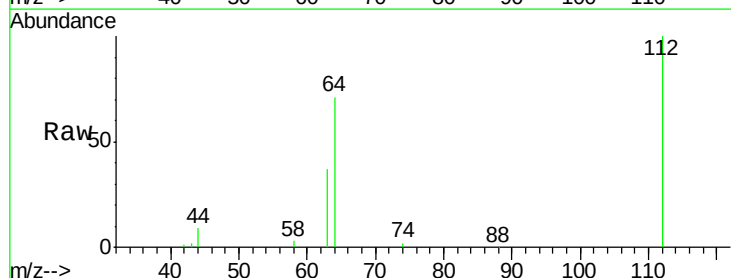
Tgt Ion:112 Resp: 49812

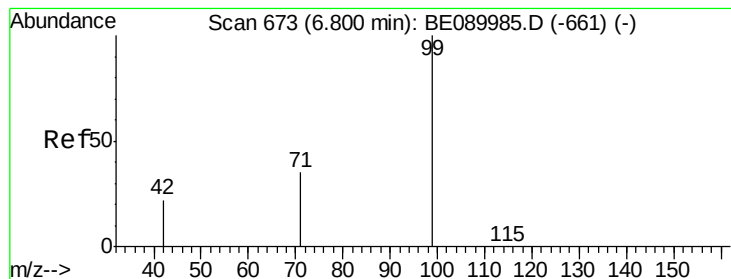
Ion Ratio Lower Upper

112 100

64 72.7 56.3 84.5

63 37.6 29.8 44.6





#5

Phenol-d6

Concen: 10.63 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE090003.D

Acq: 30 Jun 2015 5:20

Instrument :

BNA_E

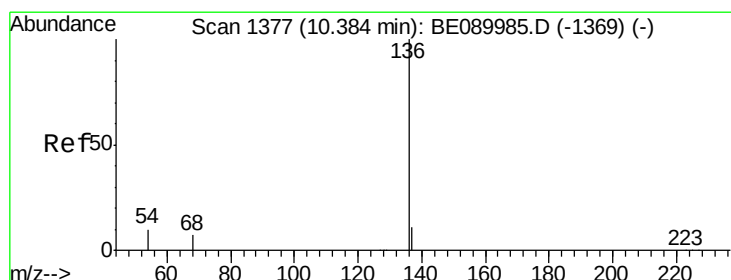
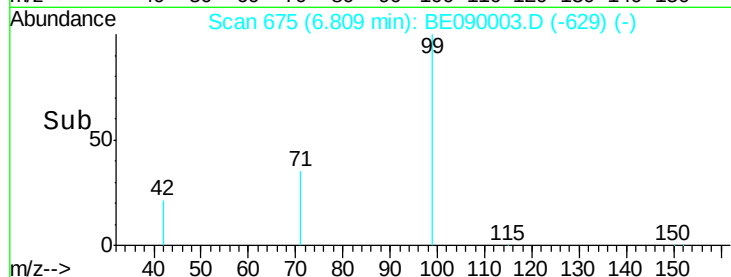
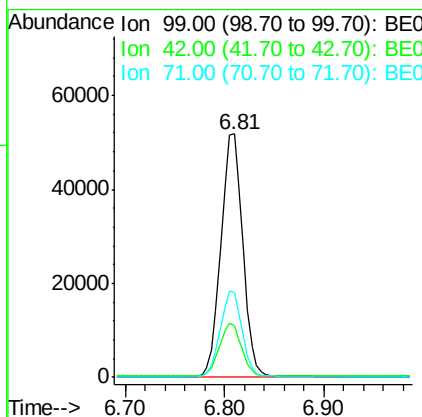
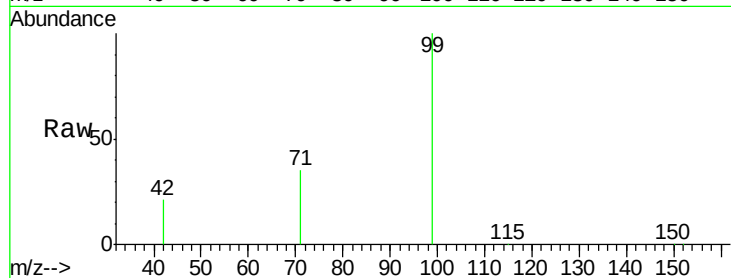
ClientSampleId :

X1SS0530006-150625

Tgt Ion:	99	Resp:	79401
Ion Ratio	Lower	Upper	
99	100		
42	21.6	18.7	28.1
71	34.9	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

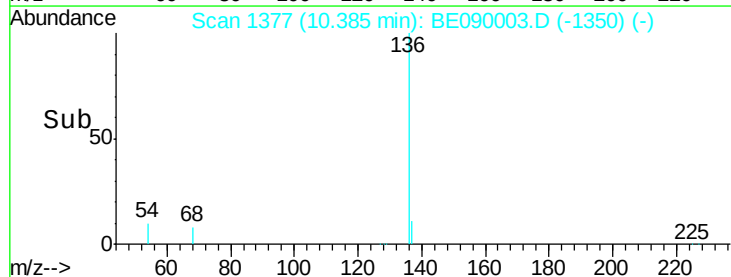
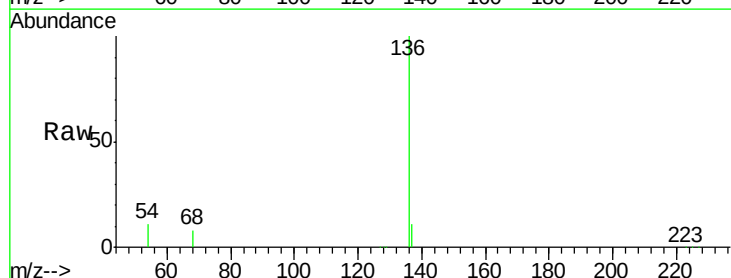
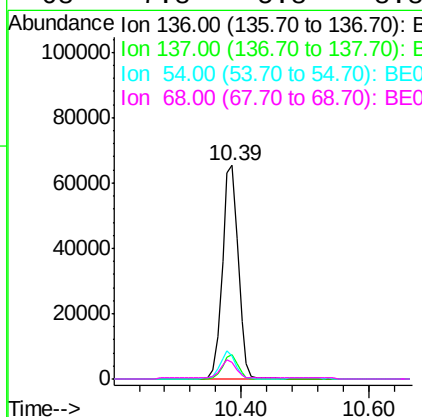
RT: 10.39 min Scan# 1377

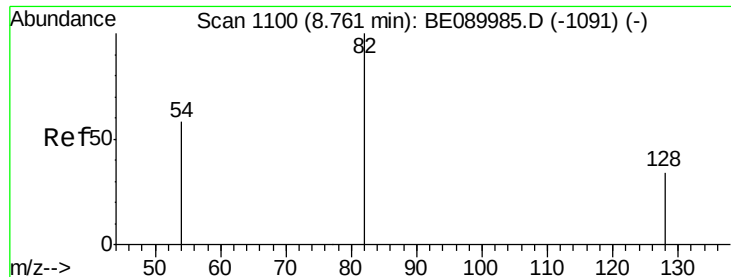
Delta R.T. 0.00 min

Lab File: BE090003.D

Acq: 30 Jun 2015 5:20

Tgt Ion:	136	Resp:	112042
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	10.7	8.2	12.4
68	7.8	5.8	8.8





#7

Nitrobenzene-d5

Concen: 5.19 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE090003.D

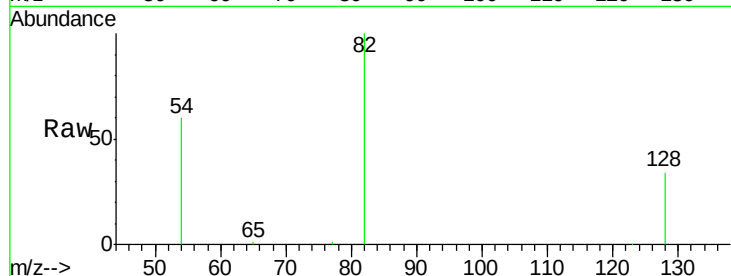
Acq: 30 Jun 2015 5:20

Instrument :

BNA_E

ClientSampleId :

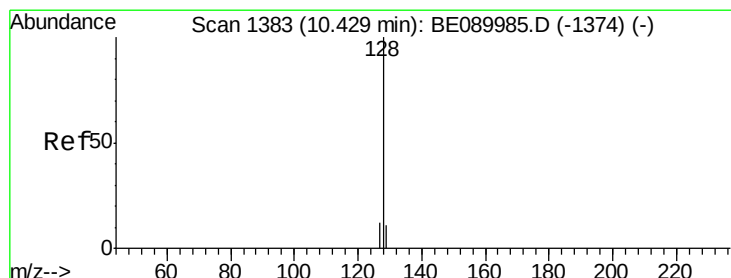
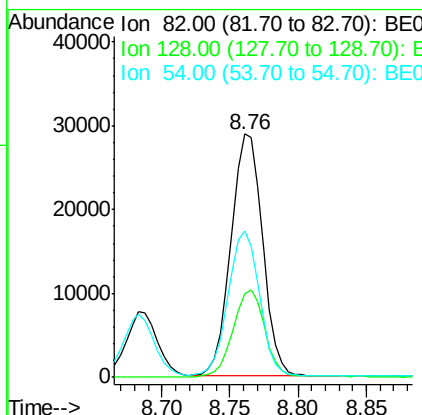
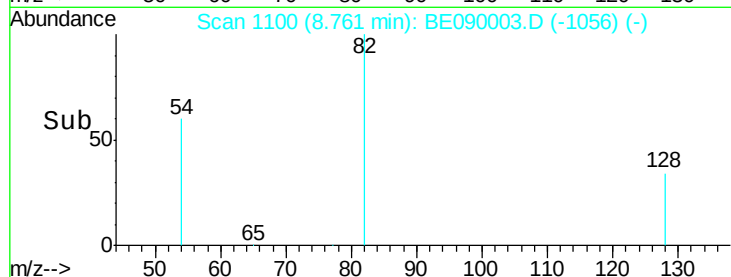
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Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.3	28.0	42.0
54	60.2	47.6	71.4

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#9

Naphthalene

Concen: 0.11 ng

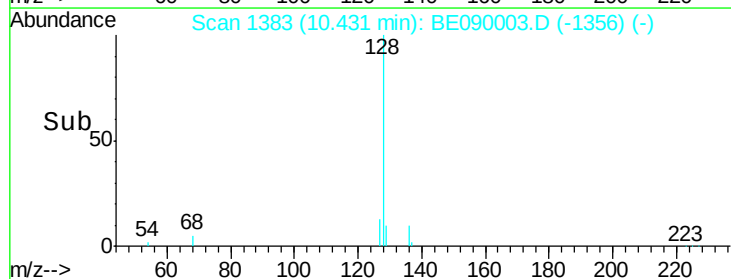
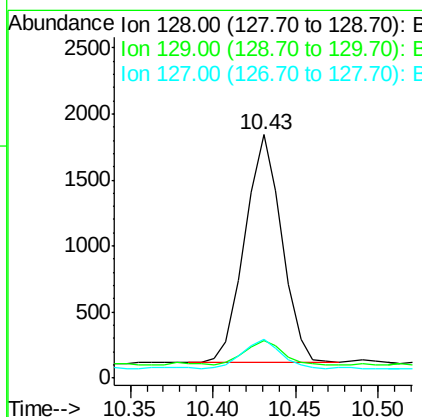
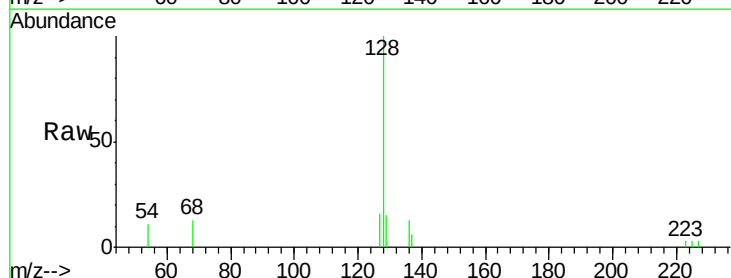
RT: 10.43 min Scan# 1383

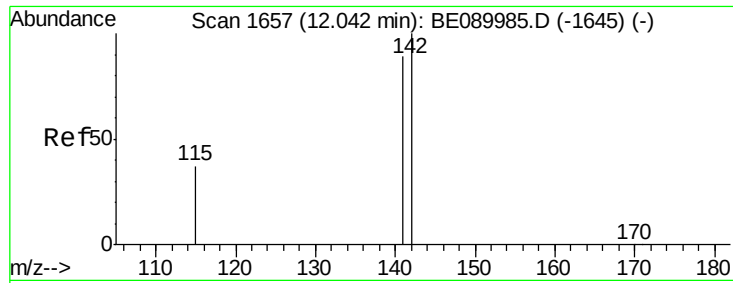
Delta R.T. 0.00 min

Lab File: BE090003.D

Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.2	9.3	13.9#
127	16.1	10.2	15.4#





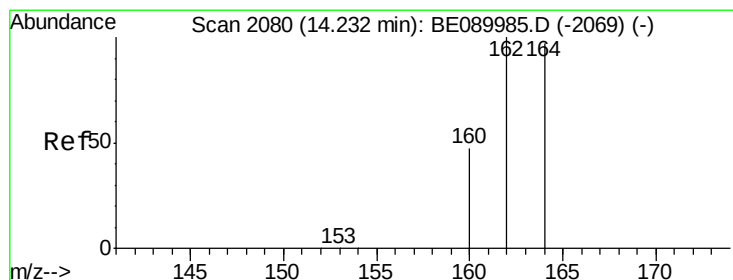
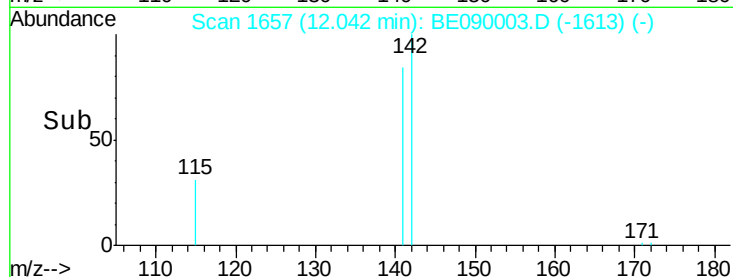
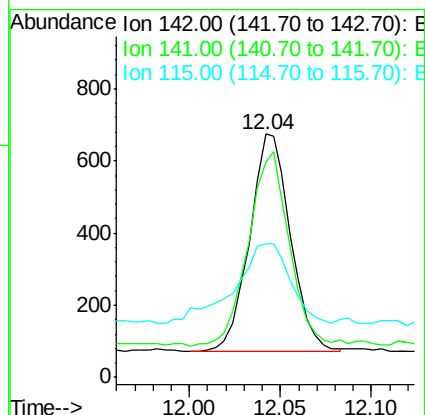
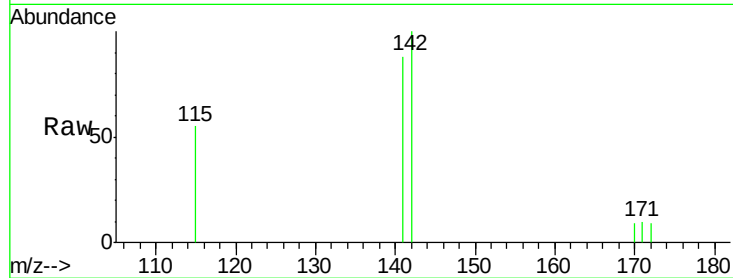
#11
2-Methylnaphthalene
Concen: 0.06 ng
RT: 12.04 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Instrument :
BNA_E
ClientSampleId :
X1SS0530006-150625

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.4	71.3	106.9
115	54.7	30.4	45.6

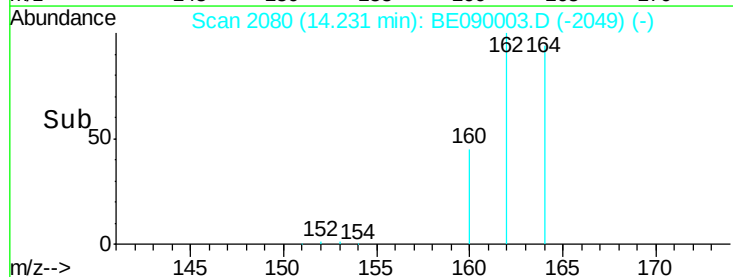
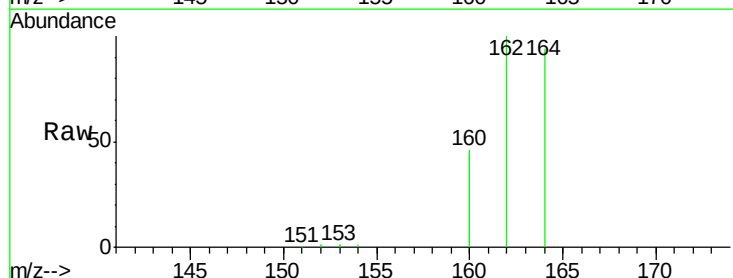
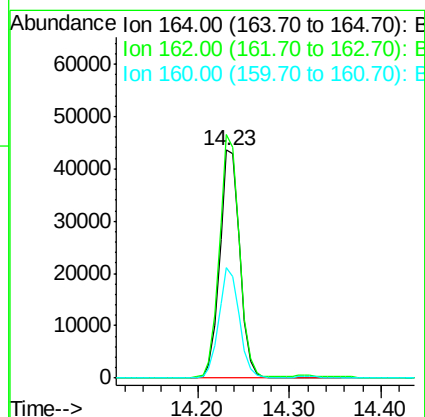
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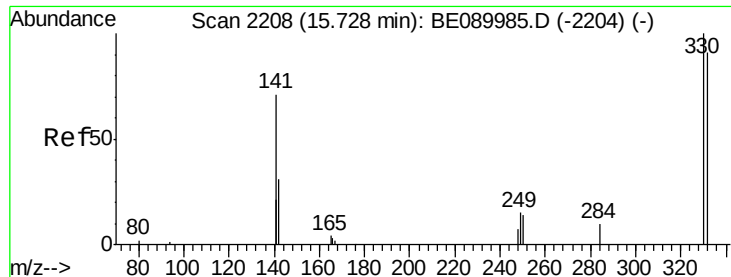
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2080
Delta R.T. -0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.7	82.2	123.4
160	48.6	39.0	58.6





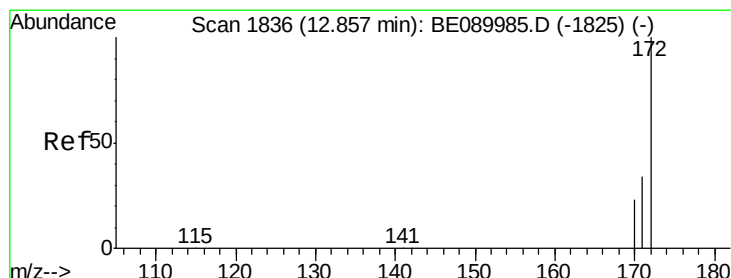
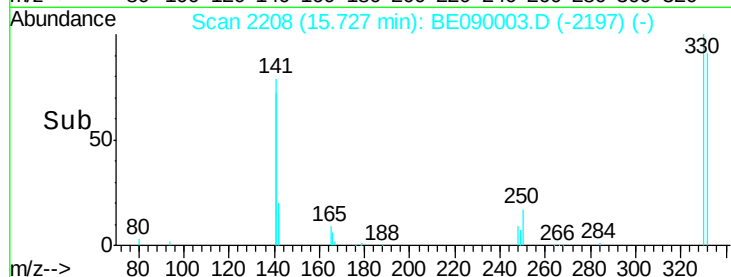
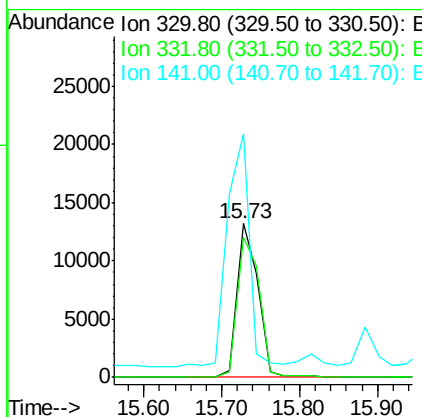
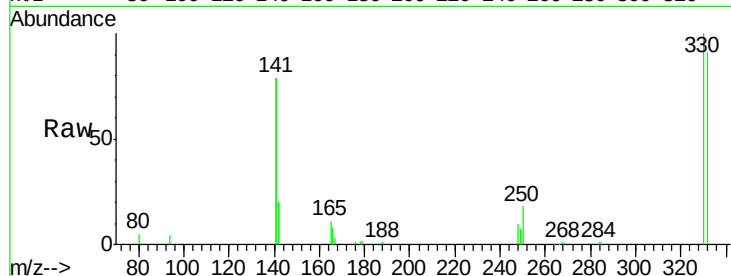
#13
 2,4,6-Tribromophenol
 Concen: 12.77 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE090003.D
 Acq: 30 Jun 2015 5:20

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0530006-150625

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.4	114.6
141	160.4	130.3	195.5

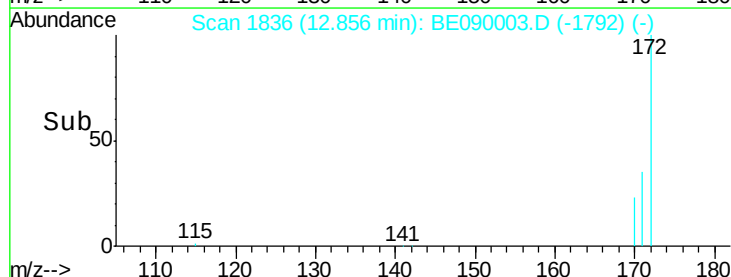
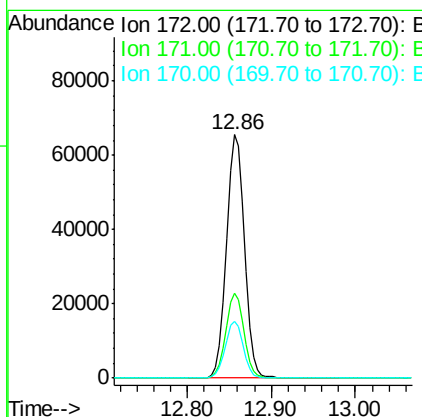
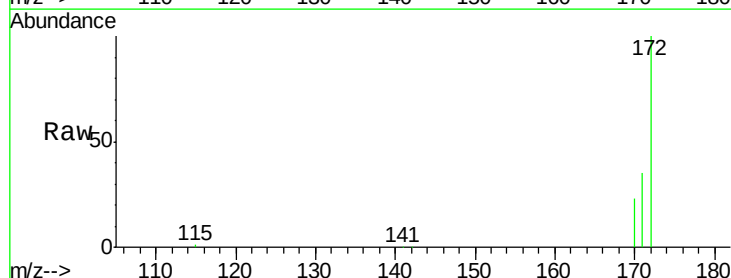
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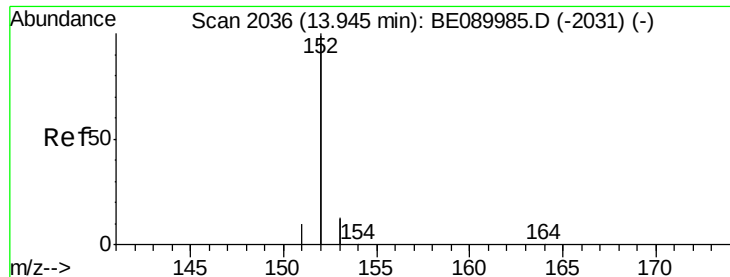
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#14
 2-Fluorobiphenyl
 Concen: 4.95 ng
 RT: 12.86 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BE090003.D
 Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.8	41.6
170	23.4	18.3	27.5





#15

Acenaphthylene

Concen: 0.03 ng

RT: 13.95 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BE090003.D

Acq: 30 Jun 2015 5:20

Instrument :

BNA_E

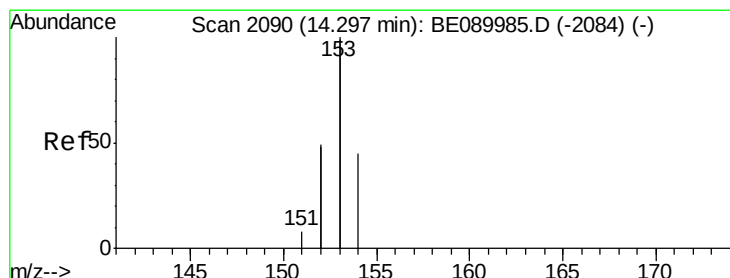
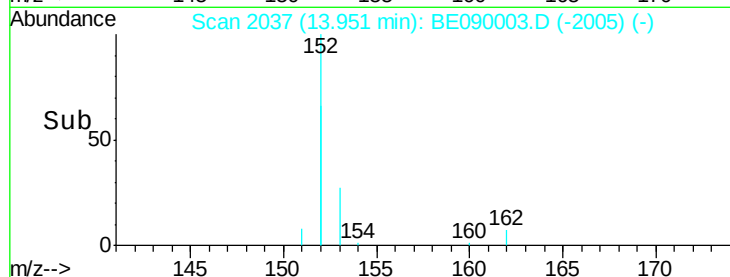
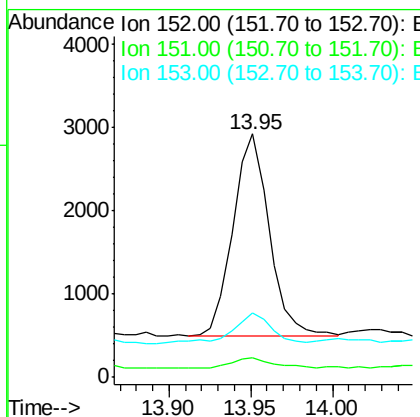
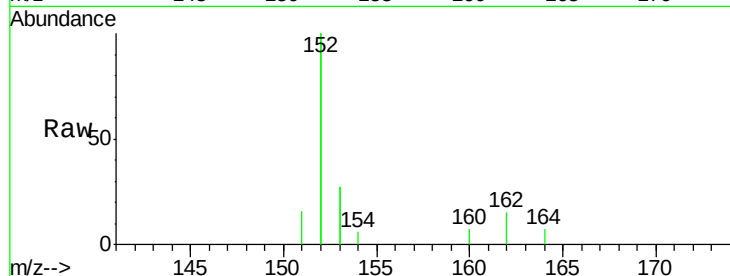
ClientSampleId :

X1SS0530006-150625

Tgt Ion:	152	Resp:	3784
Ion Ratio	Lower	Upper	
152	100		
151	6.1	3.9	5.9#
153	16.6	10.4	15.6#

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#16

Acenaphthene

Concen: 0.09 ng

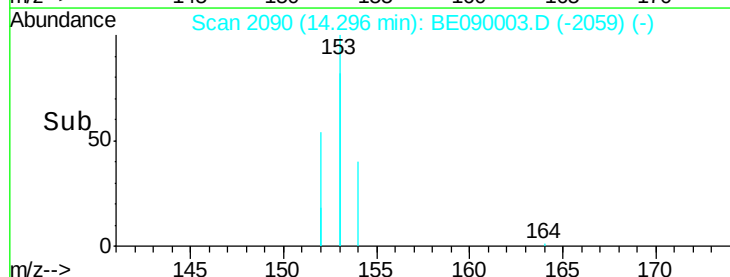
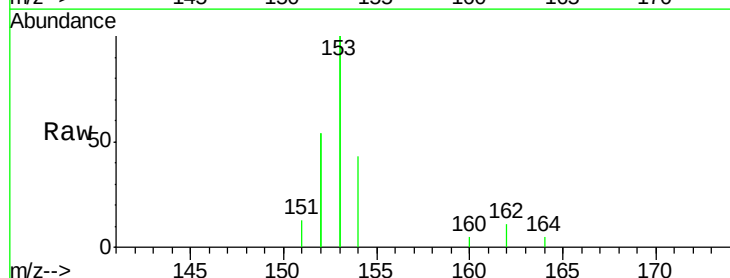
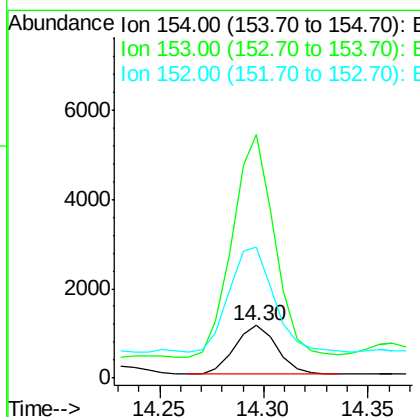
RT: 14.30 min Scan# 2090

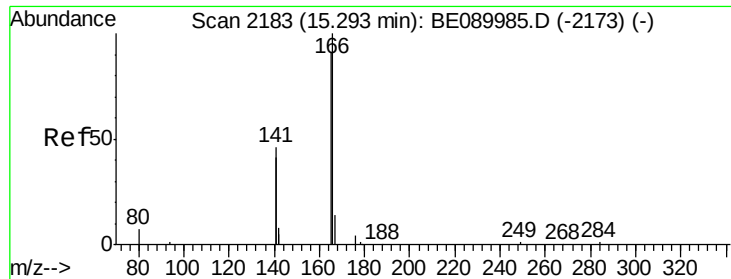
Delta R.T. -0.00 min

Lab File: BE090003.D

Acq: 30 Jun 2015 5:20

Tgt Ion:	154	Resp:	1539
Ion Ratio	Lower	Upper	
154	100		
153	465.3	358.6	538.0
152	243.1	189.6	284.4





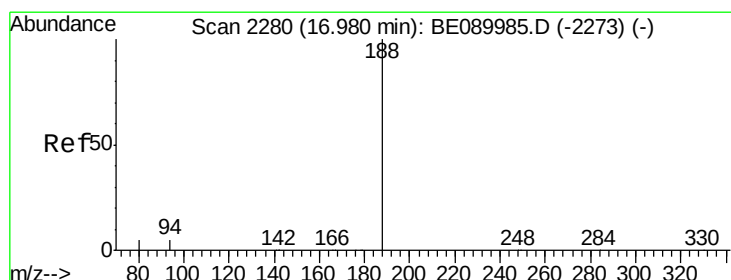
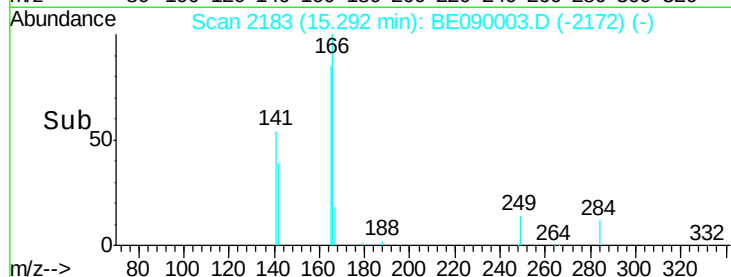
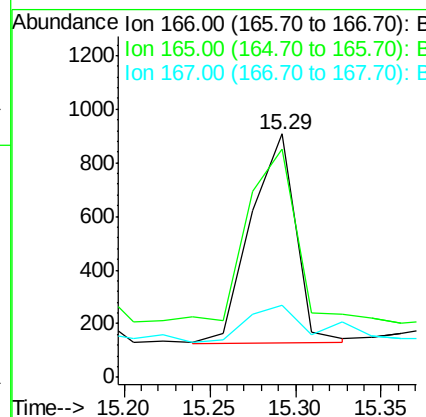
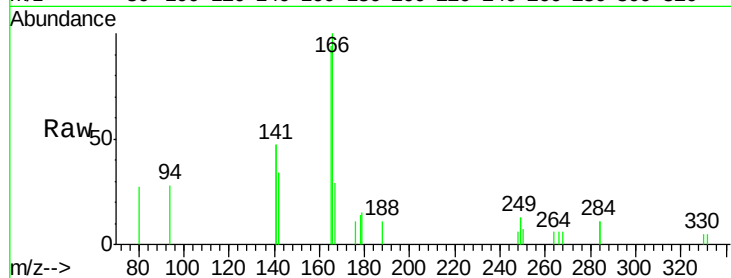
#17
Fluorene
 Concen: 0.06 ng
 RT: 15.29 min Scan# 2183
 Delta R.T. -0.00 min
 Lab File: BE090003.D
 Acq: 30 Jun 2015 5:20

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 BNA_E
 ClientSampleId :
 X1SS0530006-150625

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.0	118.6
167	28.6	11.8	17.8#

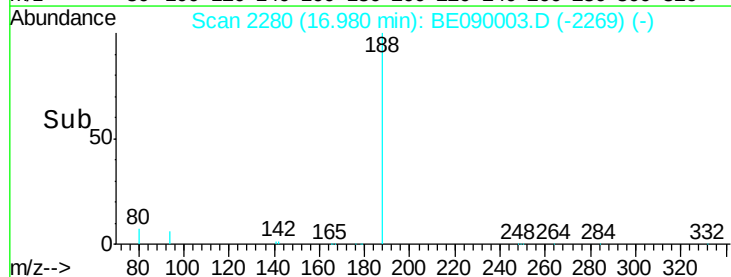
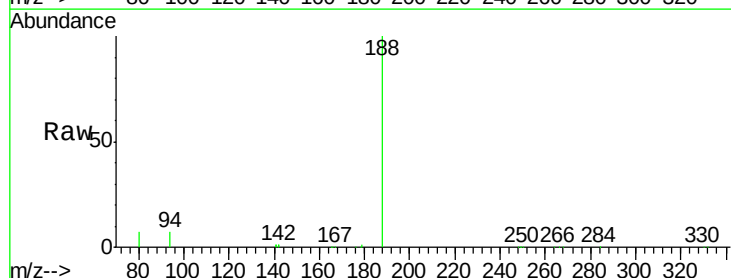
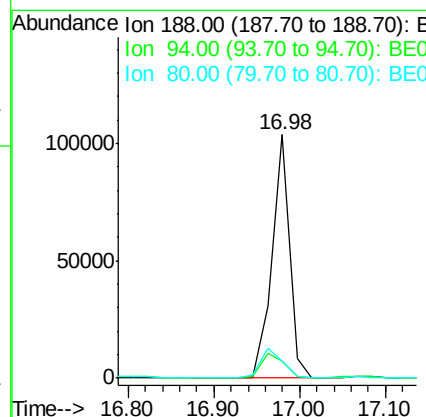
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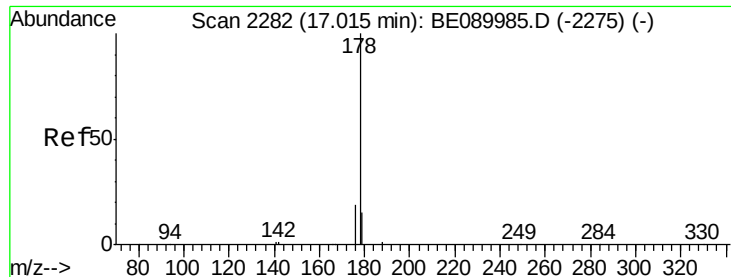
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.98 min Scan# 2280
 Delta R.T. -0.00 min
 Lab File: BE090003.D
 Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	4.1	6.1#
80	7.1	4.2	6.2#





#22

Phenanthrene

Concen: 1.05 ng

RT: 17.01 min Scan# 2282

Delta R.T. -0.00 min

Lab File: BE090003.D

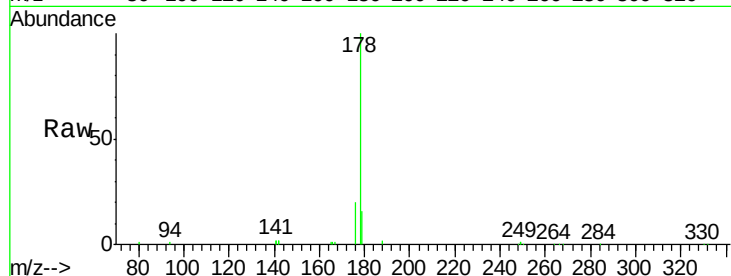
Acq: 30 Jun 2015 5:20

Instrument :

BNA_E

ClientSampleId :

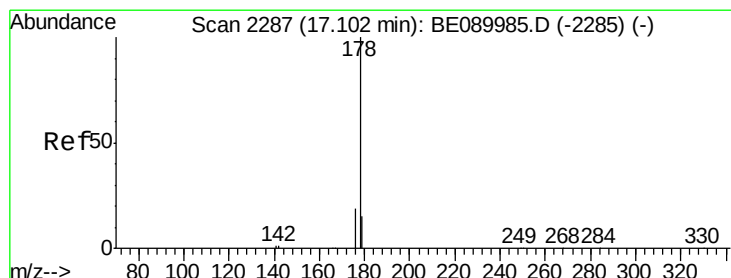
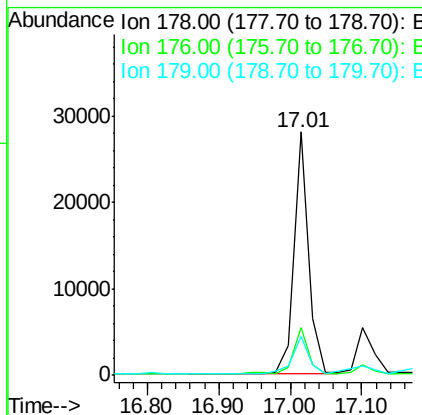
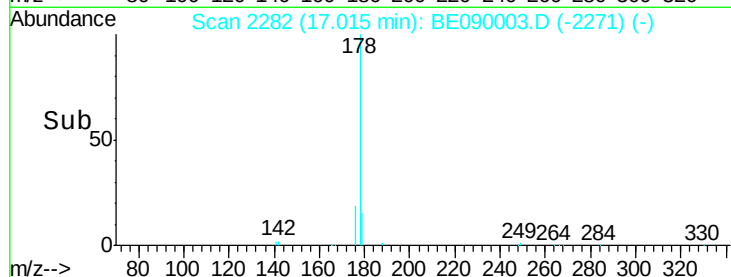
X1SS0530006-150625



Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.3	22.9
179	18.2	12.4	18.6

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#23

Anthracene

Concen: 0.27 ng m

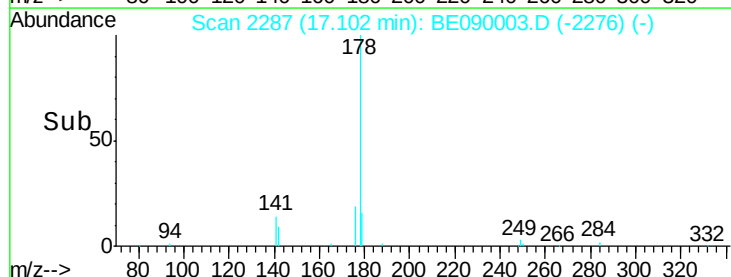
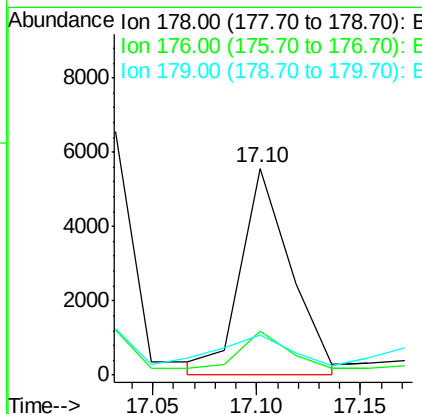
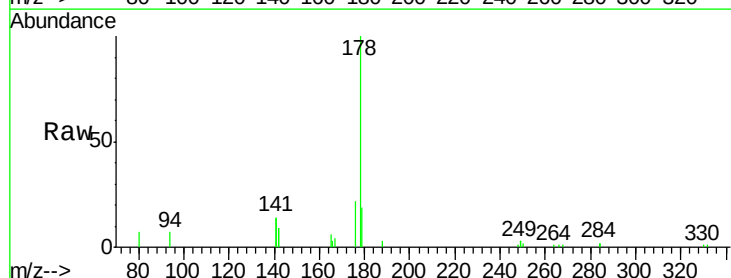
RT: 17.10 min Scan# 2287

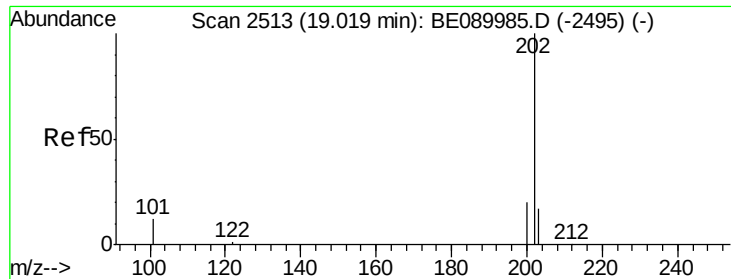
Delta R.T. -0.00 min

Lab File: BE090003.D

Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Lower	Upper
178	100		
176	80.1	14.7	22.1#
179	74.9	12.1	18.1#





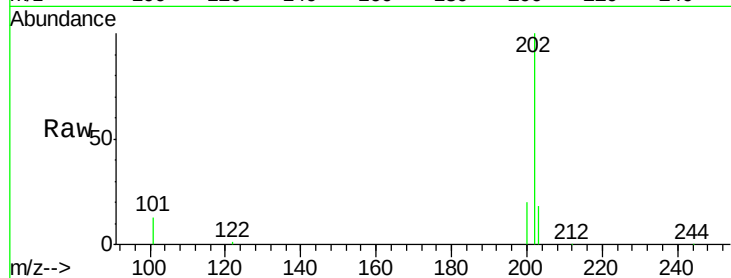
#24
Fluoranthene
Concen: 2.95 ng
RT: 19.02 min Scan# 2513
Delta R.T. 0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Instrument :
BNA_E
ClientSampleId :
X1SS0530006-150625

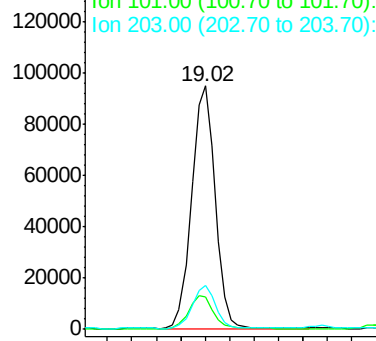
Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	14.6	10.6	15.8
203	17.3	13.8	20.6

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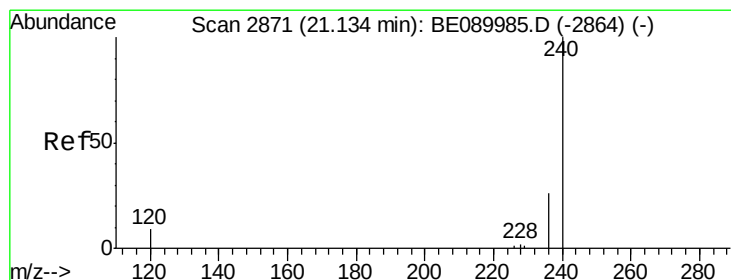
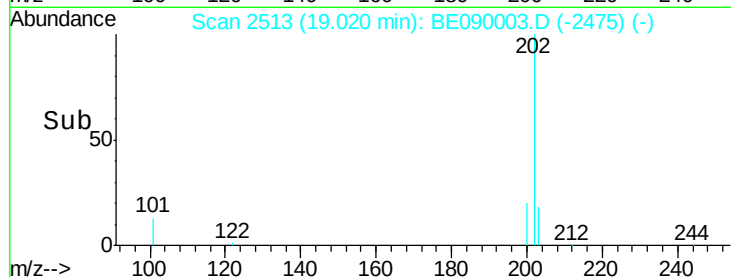
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



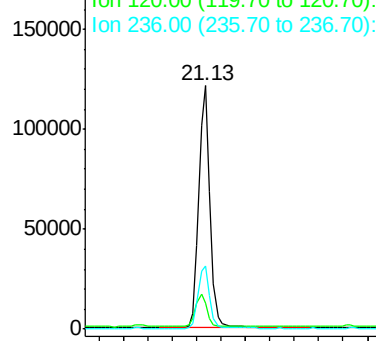
Time-->



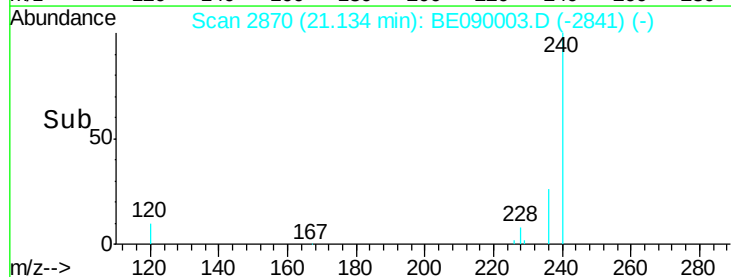
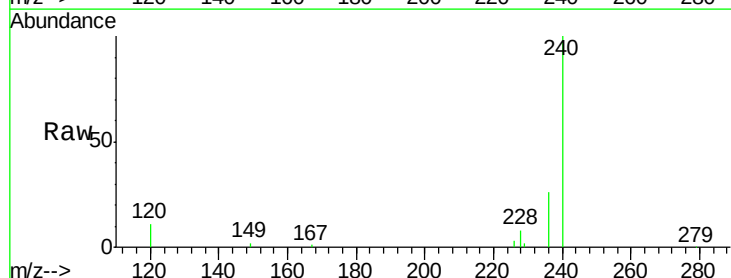
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.13 min Scan# 2870
Delta R.T. 0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

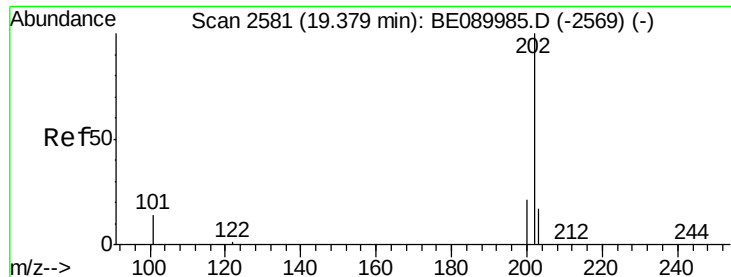
Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.5	6.9	10.3#
236	26.1	20.8	31.2

Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E



Time-->





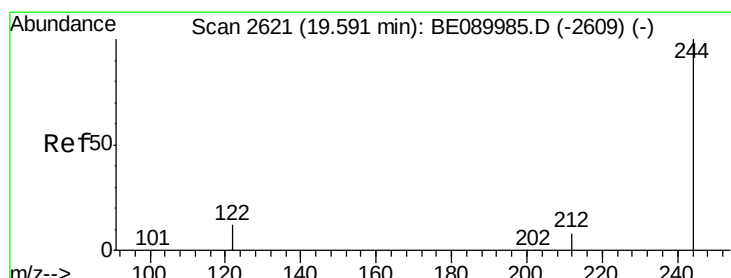
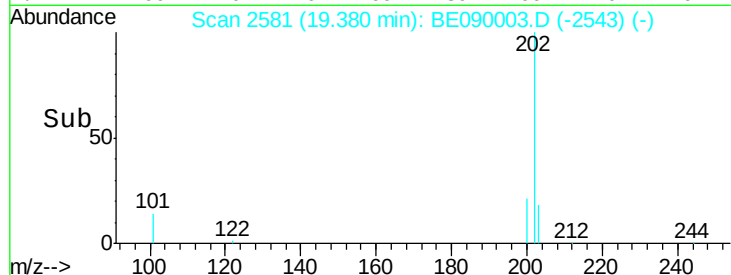
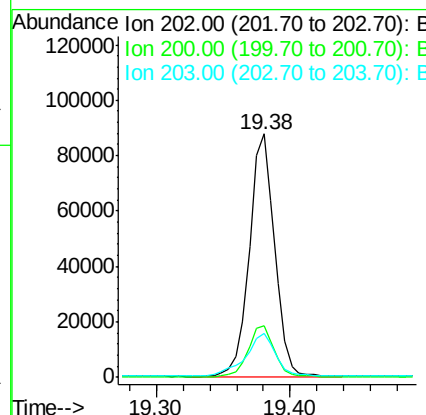
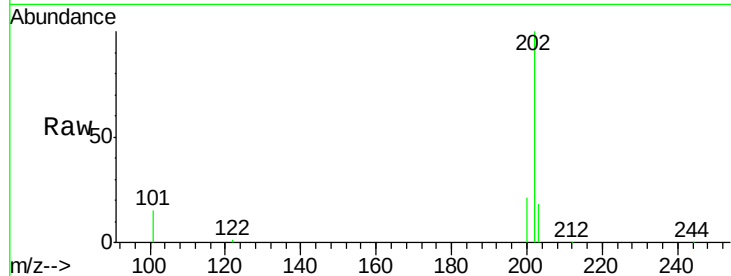
#26
 Pyrene
 Concen: 3.14 ng
 RT: 19.38 min Scan# 2581
 Delta R.T. 0.00 min
 Lab File: BE090003.D
 Acq: 30 Jun 2015 5:20

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0530006-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.5	16.8	25.2
203	21.0	13.9	20.9

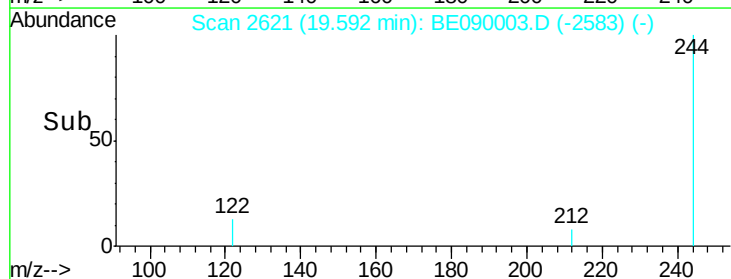
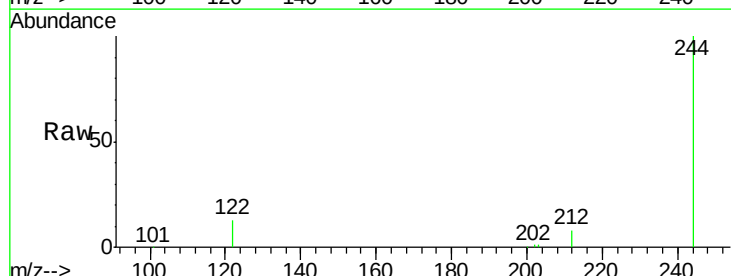
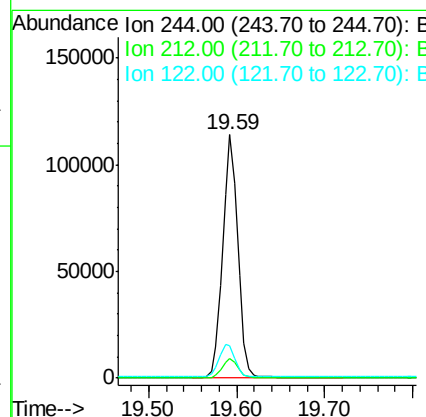
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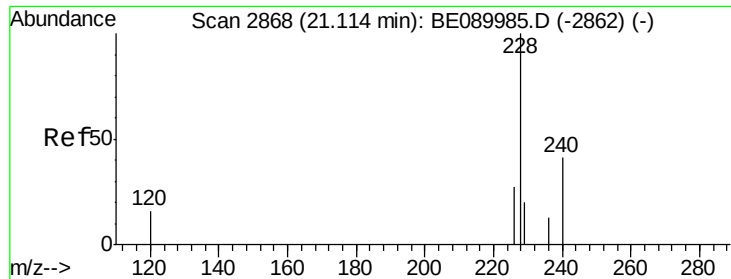
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#27
 Terphenyl-d14
 Concen: 5.28 ng
 RT: 19.59 min Scan# 2621
 Delta R.T. 0.00 min
 Lab File: BE090003.D
 Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.2	6.6	9.8
122	13.2	9.8	14.8





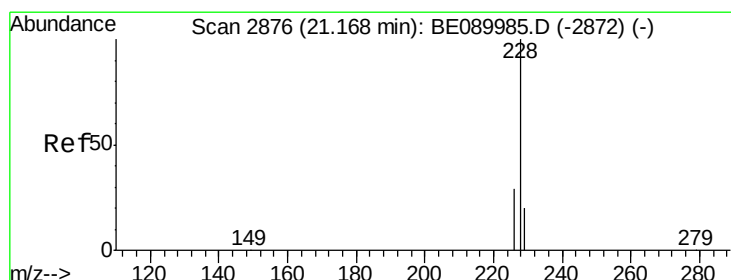
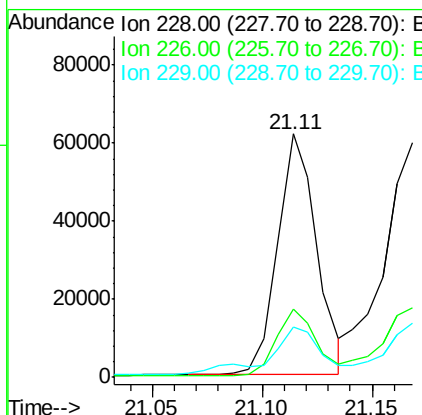
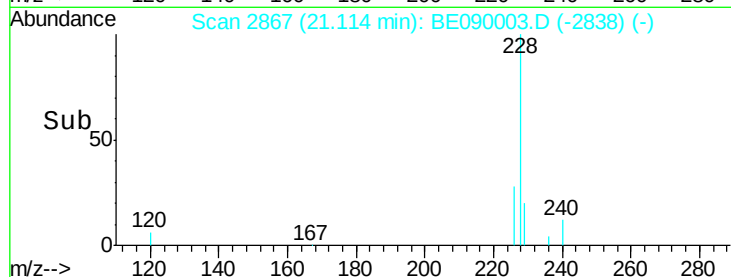
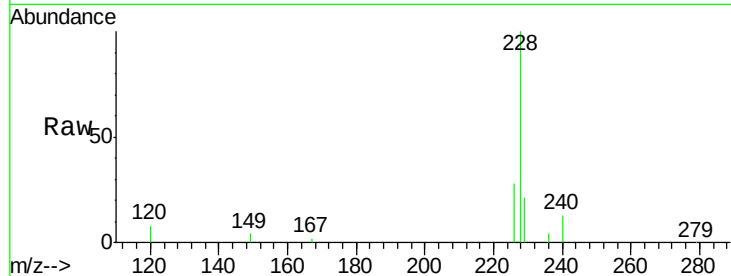
#28
Benzo(a)anthracene
Concen: 1.99 ng
RT: 21.11 min Scan# 2867
Delta R.T. 0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Instrument :
BNA_E
ClientSampleId :
X1SS0530006-150625

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	20.7	15.8	23.6

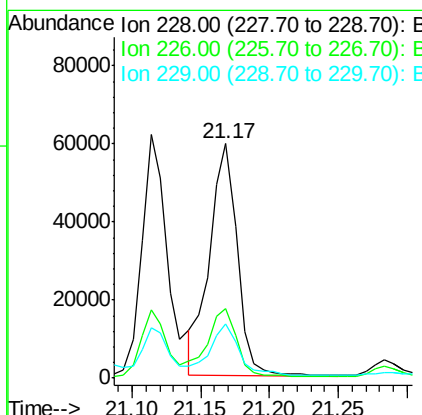
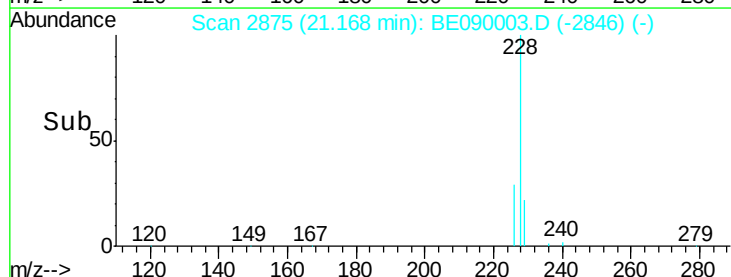
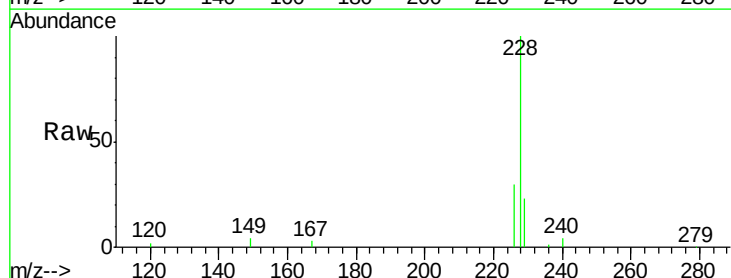
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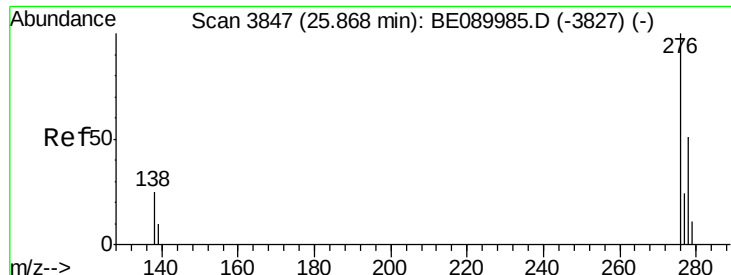
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#29
Chrysene
Concen: 2.10 ng
RT: 21.17 min Scan# 2875
Delta R.T. 0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.4	35.0
229	23.4	16.2	24.2





#31

Indeno(1,2,3-cd)pyrene

Concen: 1.53 ng

RT: 25.87 min Scan# 3847

Delta R.T. 0.00 min

Lab File: BE090003.D

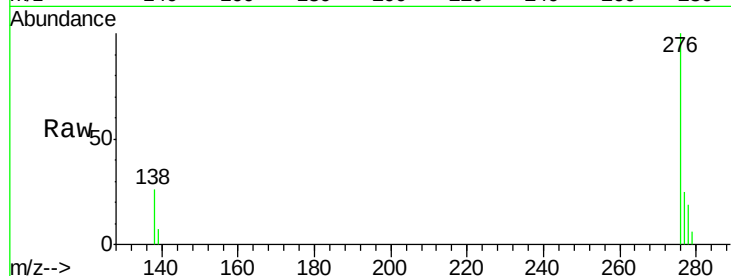
Acq: 30 Jun 2015 5:20

Instrument :

BNA_E

ClientSampleId :

X1SS0530006-150625



Tgt Ion: 276 Resp: 58554

Ion Ratio Lower Upper

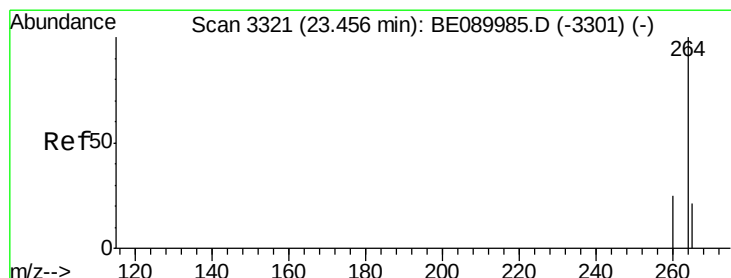
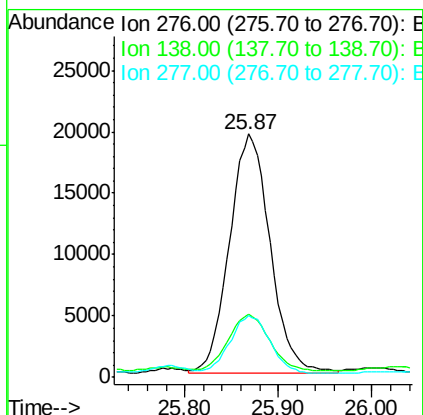
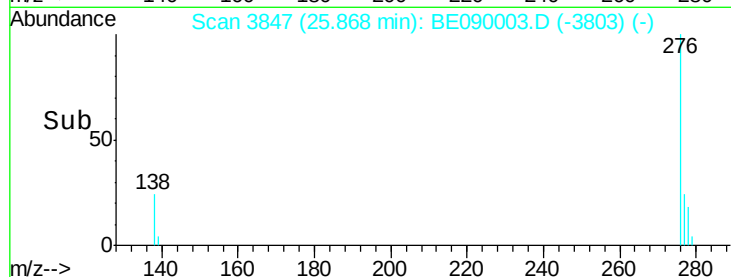
276 100

138 24.0 21.3 31.9

277 23.8 19.7 29.5

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#32

Perylene-d12

Concen: 5.00 ng

RT: 23.46 min Scan# 3321

Delta R.T. 0.00 min

Lab File: BE090003.D

Acq: 30 Jun 2015 5:20

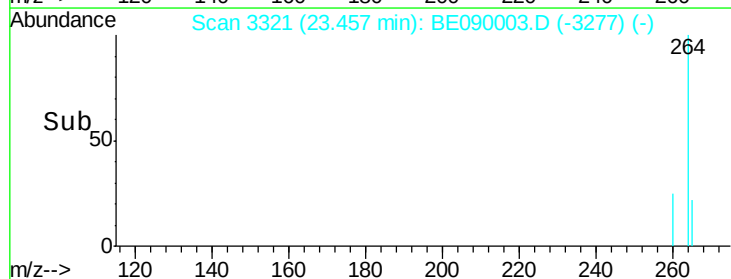
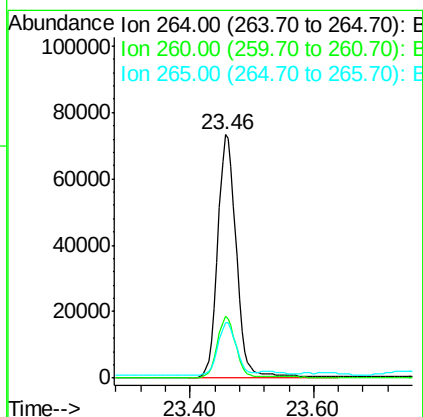
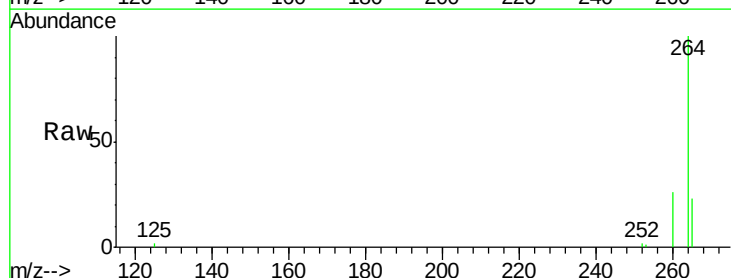
Tgt Ion: 264 Resp: 152852

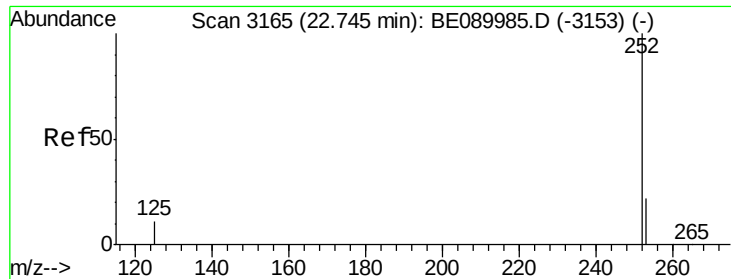
Ion Ratio Lower Upper

264 100

260 25.6 20.2 30.2

265 22.7 17.1 25.7





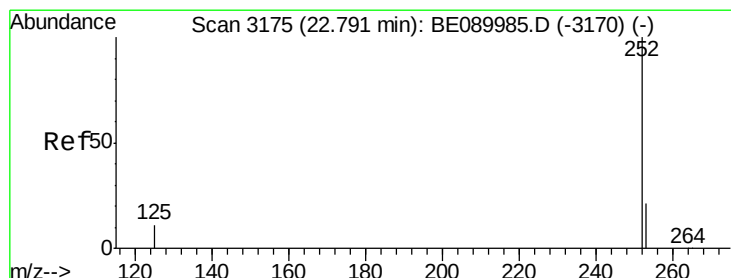
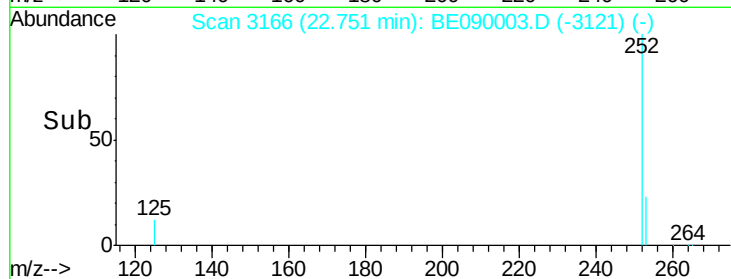
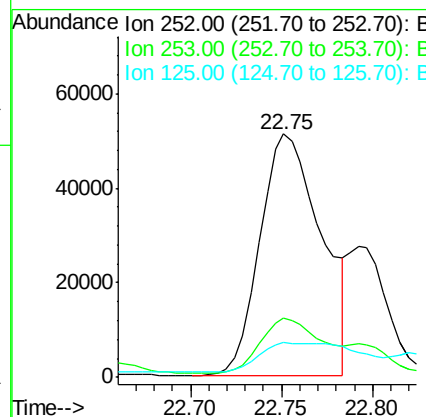
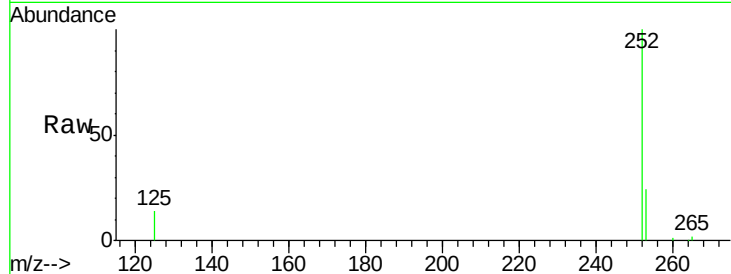
#33
Benzo(b)fluoranthene
Concen: 3.56 ng
RT: 22.75 min Scan# 3166
Delta R.T. 0.01 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Instrument :
BNA_E
ClientSampleId :
X1SS0530006-150625

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	14.4	9.0	13.4

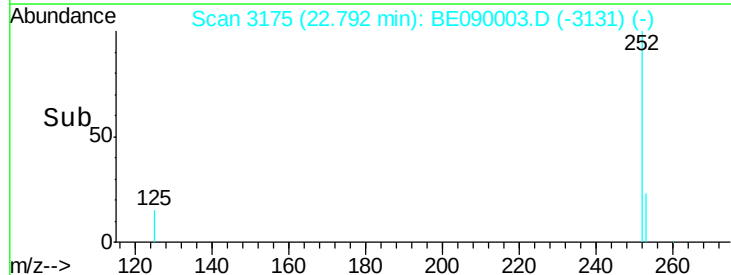
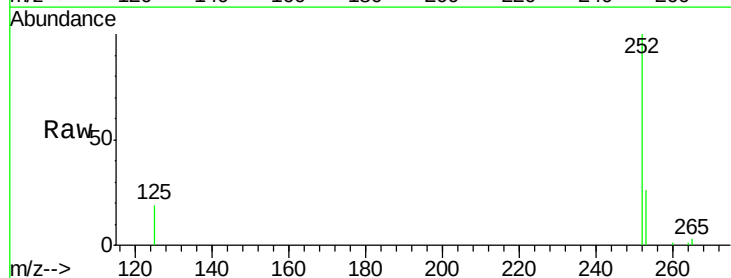
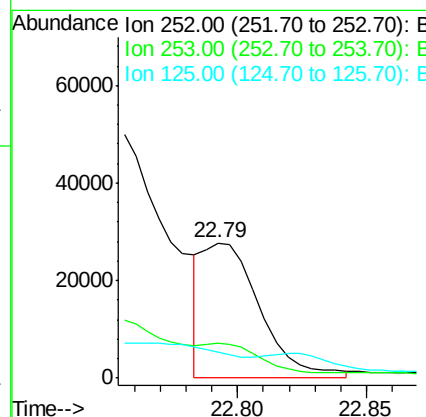
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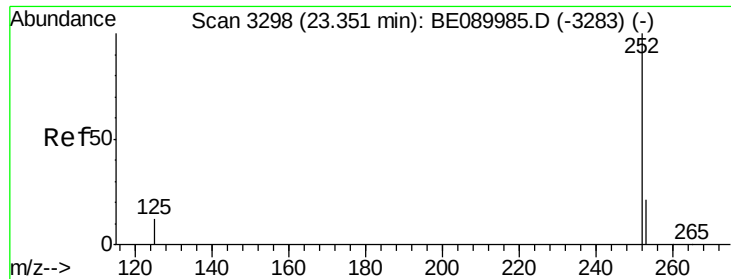
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#34
Benzo(k)fluoranthene
Concen: 1.14 ng m
RT: 22.79 min Scan# 3175
Delta R.T. 0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.5	26.3
125	19.3	9.5	14.3





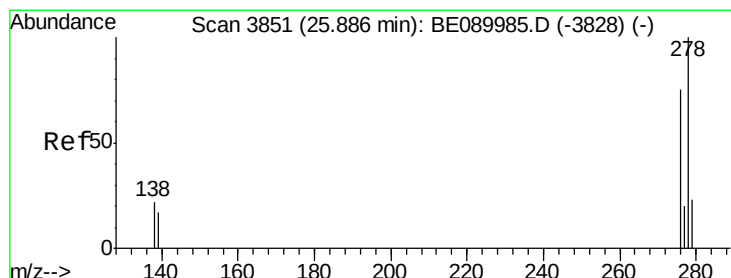
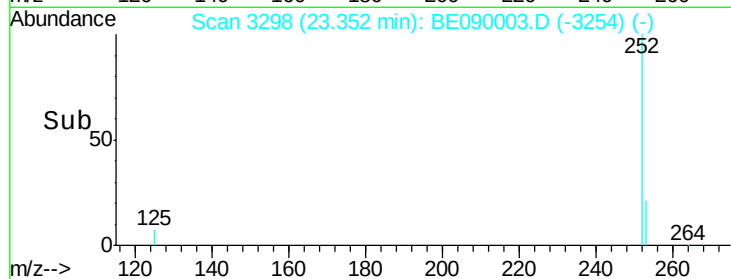
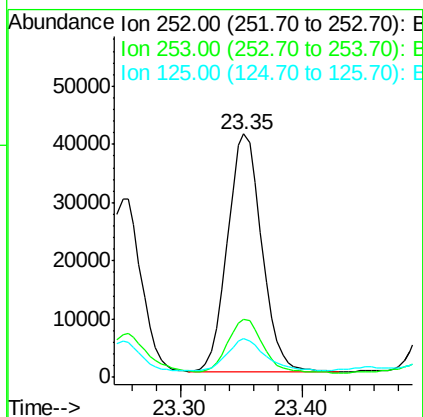
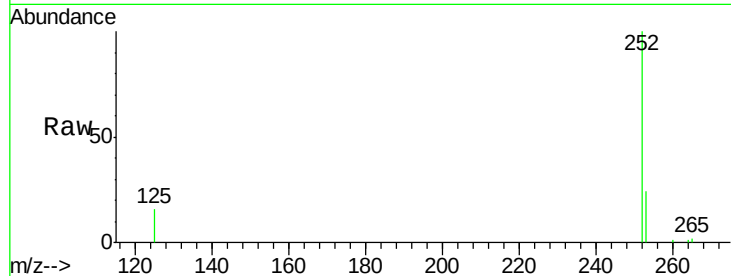
#35
Benzo(a)pyrene
Concen: 2.56 ng
RT: 23.35 min Scan# 3298
Delta R.T. 0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Instrument :
BNA_E
ClientSampleId :
X1SS0530006-150625

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.2
125	15.7	10.5	15.7#

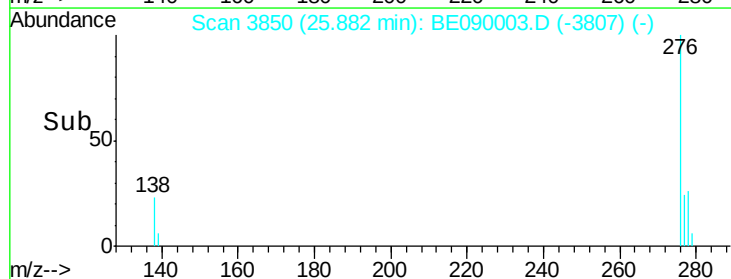
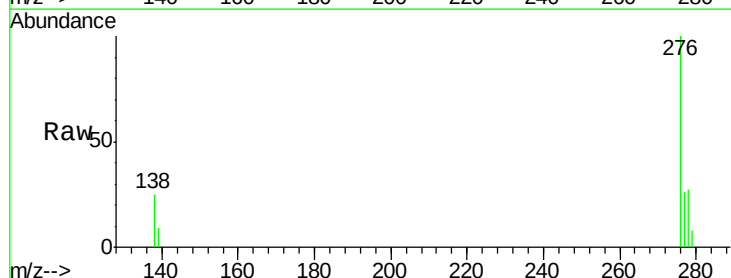
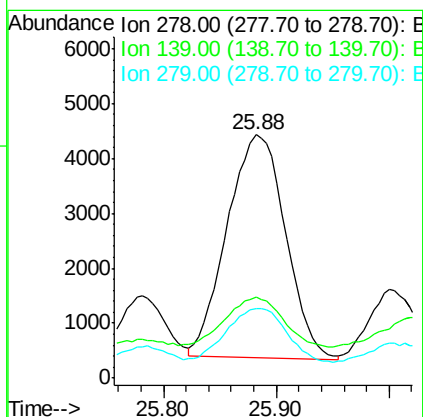
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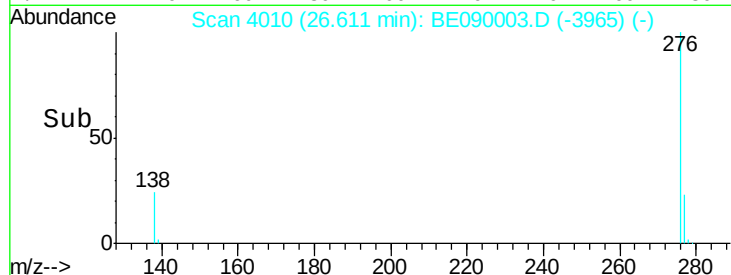
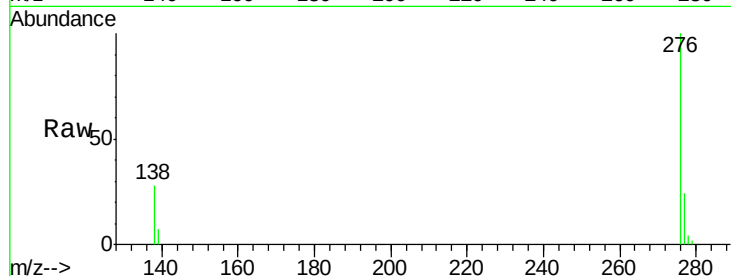
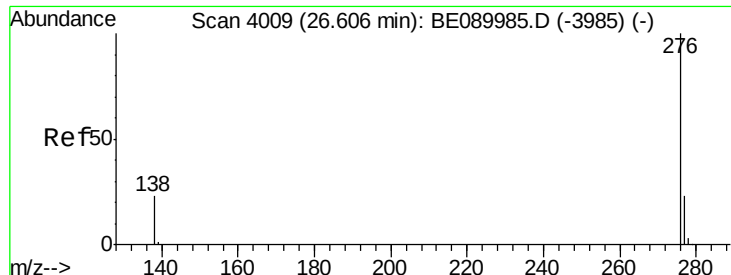
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#36
Dibenzo(a,h)anthracene
Concen: 0.45 ng
RT: 25.88 min Scan# 3850
Delta R.T. -0.00 min
Lab File: BE090003.D
Acq: 30 Jun 2015 5:20

Tgt Ion	Ratio	Lower	Upper
278	100		
139	33.1	14.4	21.6#
279	28.8	19.0	28.6#





#37
 Benzo(g,h,i)perylene
 Concen: 1.88 ng
 RT: 26.61 min Scan# 4010
 Delta R.T. 0.00 min
 Lab File: BE090003.D
 Acq: 30 Jun 2015 5:20

Tgt Ion:	276	Resp:	60807
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.8	28.2
138	27.8	18.6	27.8

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0530006-150625

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