

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE090011.D
 Acq On : 30 Jun 2015 10:06
 Operator : TP/IZ
 Sample : G2811-01 2X
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625-D

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Quant Time: Jun 30 16:37:24 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	7.63	152	24418	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	122469	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	75312	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	169396	5.00	ng	0.00
25) Chrysene-d12	21.14	240	174694	5.00	ng	0.00
32) Perylene-d12	23.47	264	184787	5.00	ng	0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.26	112	12152	2.17	ng	0.00
5) Phenol-d6	6.81	99	19955	2.54	ng	0.00
7) Nitrobenzene-d5	8.76	82	12461	1.28	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	6525	2.96	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	27289	1.21	ng	0.00
27) Terphenyl-d14	19.59	244	40565	1.39	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.43	128	14448	0.52	ng	99
11) 2-Methylnaphthalene	12.05	142	2769	0.15	ng	99
15) Acenaphthylene	13.95	152	2880	0.02	ng	# 88
16) Acenaphthene	14.30	154	14227	0.73	ng	96
17) Fluorene	15.29	166	7219	0.27	ng	97
22) Phenanthrene	17.01	178	442405	10.19	ng	99
23) Anthracene	17.10	178	95150m	2.40	ng	
24) Fluoranthene	19.02	202	1473304	30.39	ng	97
26) Pyrene	19.38	202	1397324	33.56	ng	# 92
28) Benzo(a)anthracene	21.12	228	1022512	23.44	ng	96
29) Chrysene	21.17	228	1056896	23.33	ng	95
30) Bis(2-ethylhexyl)phthalate	21.07	149	2096	0.40	ng	# 55
31) Indeno(1,2,3-cd)pyrene	25.90	276	733340	16.88	ng	96
33) Benzo(b)fluoranthene	22.76	252	1459694	35.81	ng	97
34) Benzo(k)fluoranthene	22.81	252	529129m	11.62	ng	
35) Benzo(a)pyrene	23.37	252	1030541	27.38	ng	98
36) Dibenzo(a,h)anthracene	25.90	278	187418	4.85	ng	99
37) Benzo(g,h,i)perylene	26.65	276	732654	18.70	ng	98

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

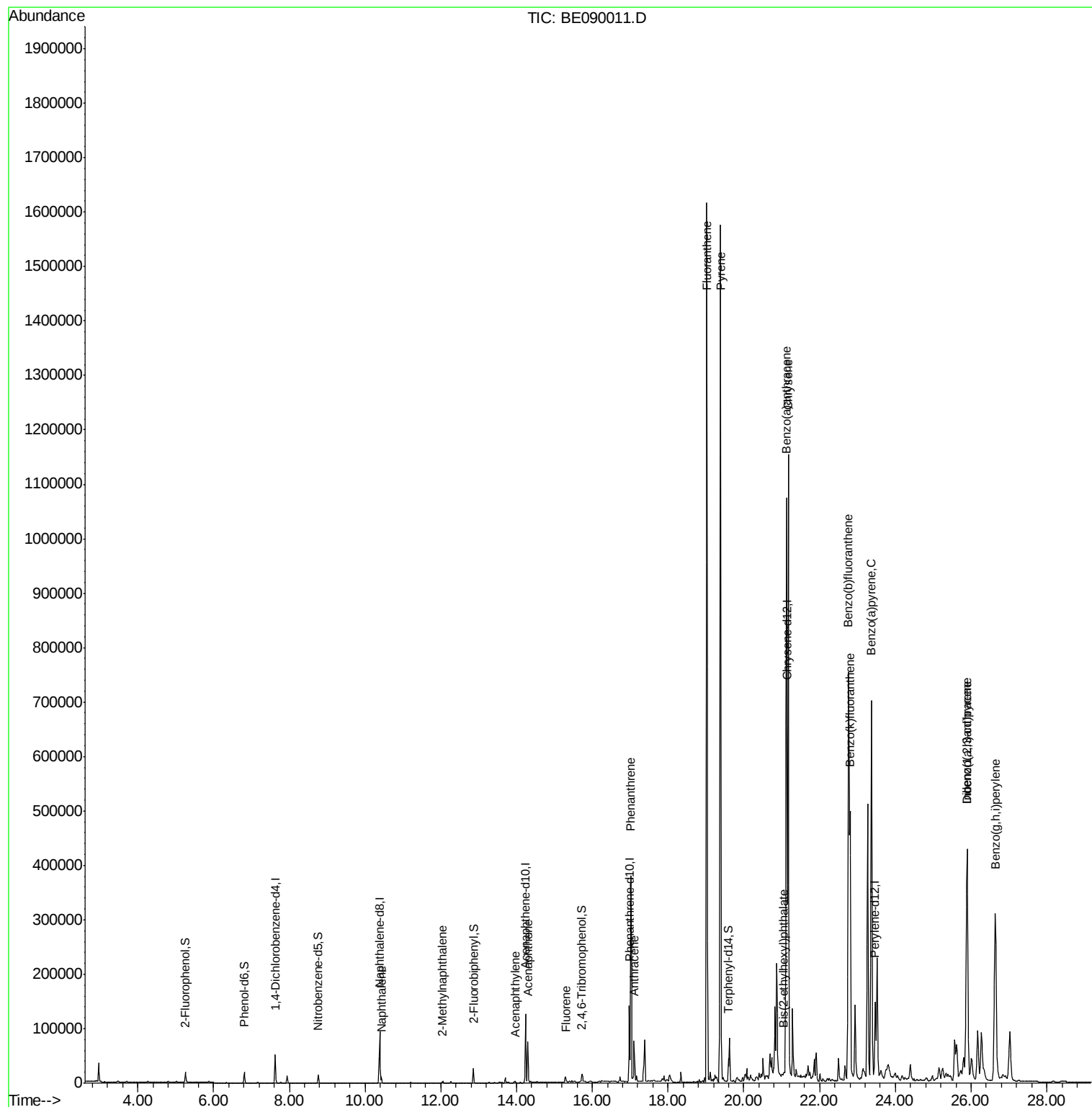
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
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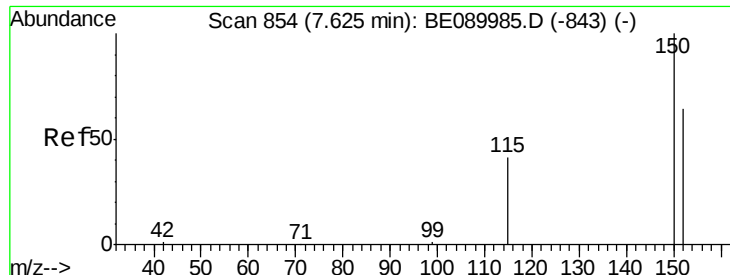
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 855

Delta R.T. 0.00 min

Lab File: BE090011.D

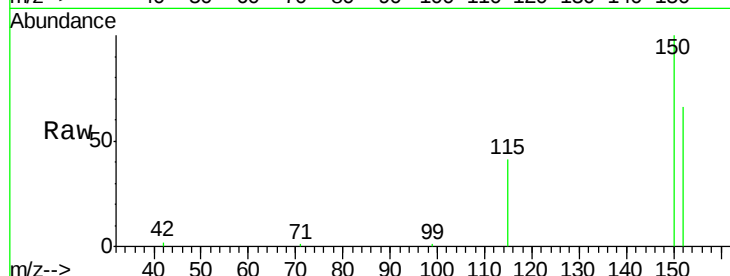
Acq: 30 Jun 2015 10:06

Instrument :

BNA_E

ClientSampleId :

X1SS0520006-150625-D



Tgt Ion:152 Resp: 24418

Ion Ratio Lower Upper

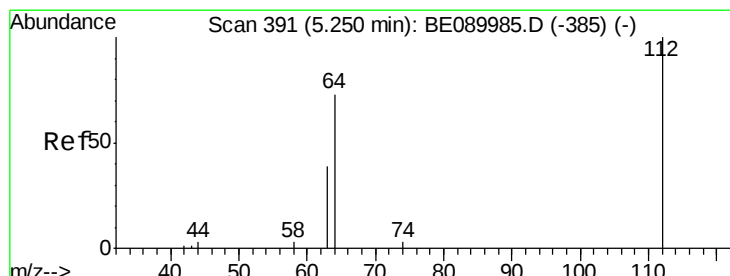
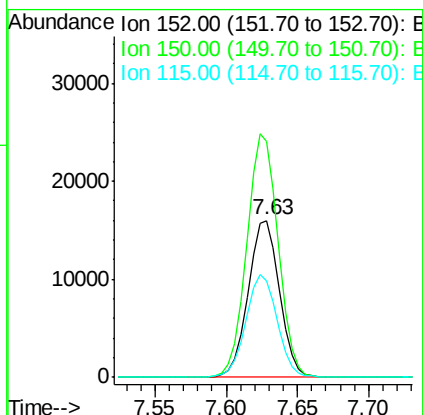
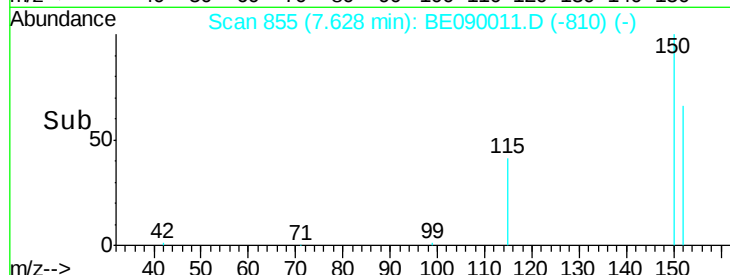
152 100

150 150.6 123.9 185.9

115 61.6 50.6 76.0

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#4

2-Fluorophenol

Concen: 2.17 ng

RT: 5.26 min Scan# 392

Delta R.T. 0.01 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

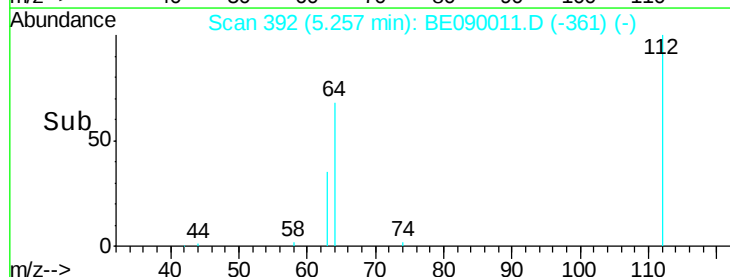
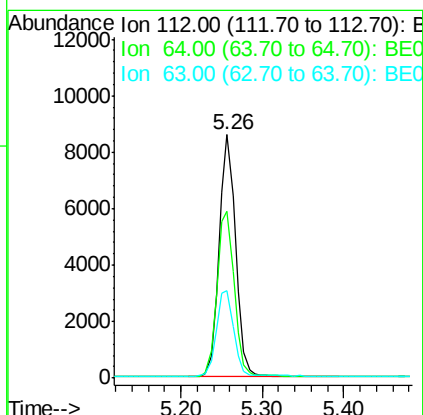
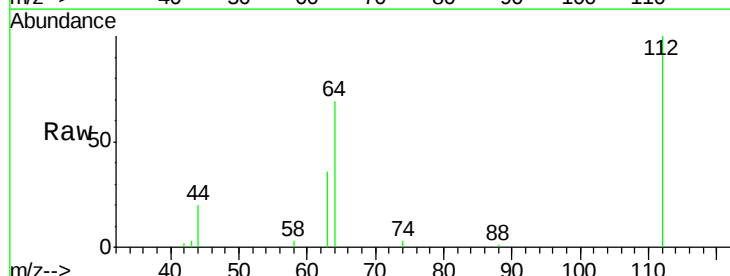
Tgt Ion:112 Resp: 12152

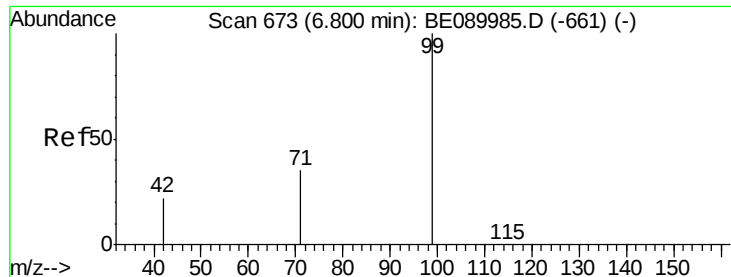
Ion Ratio Lower Upper

112 100

64 71.5 56.3 84.5

63 37.1 29.8 44.6





#5

Phenol-d6

Concen: 2.54 ng

RT: 6.81 min Scan# 675

Delta R.T. 0.01 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Instrument :

BNA_E

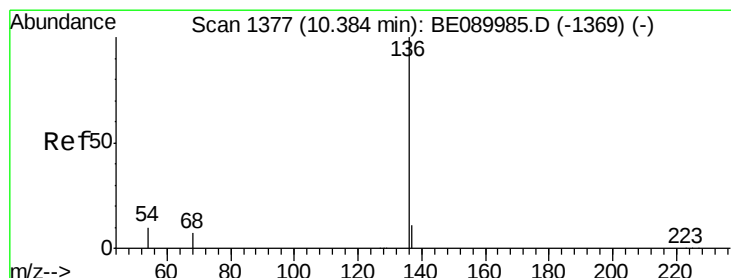
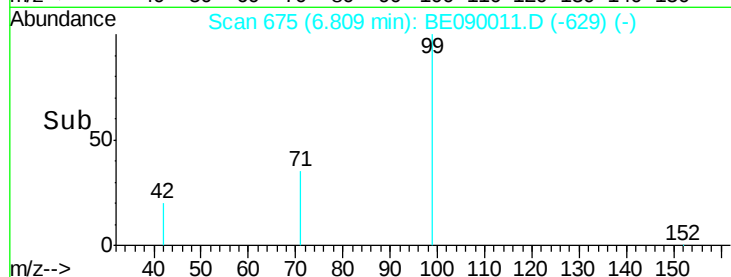
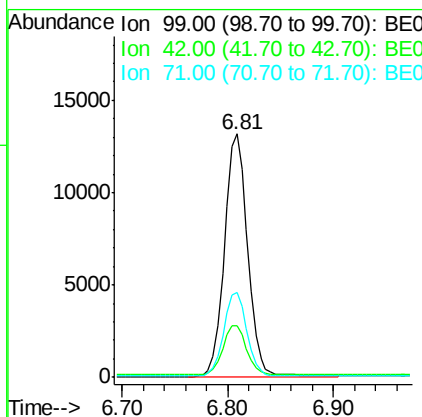
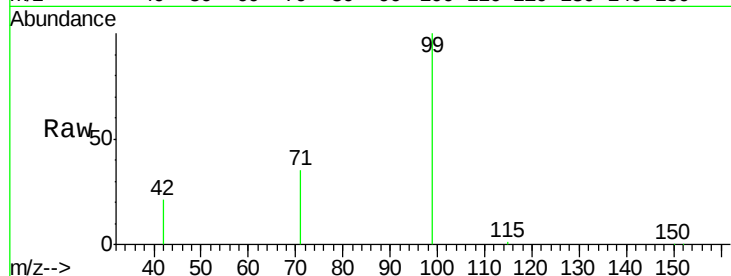
ClientSampleId :

X1SS0520006-150625-D

Tgt Ion:	99	Resp:	19955
Ion Ratio	Lower	Upper	
99	100		
42	20.9	18.7	28.1
71	34.7	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

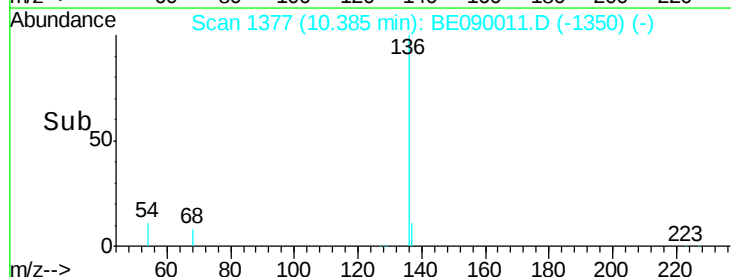
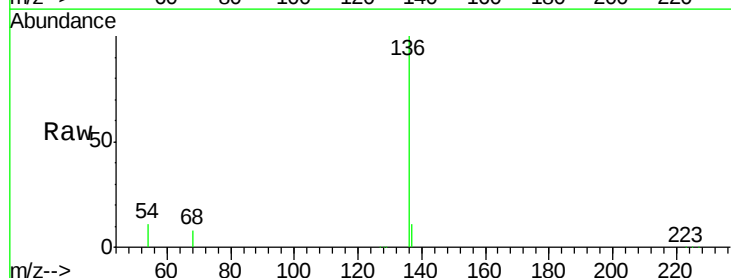
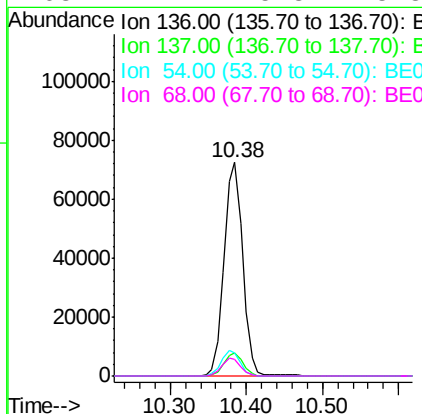
RT: 10.38 min Scan# 1377

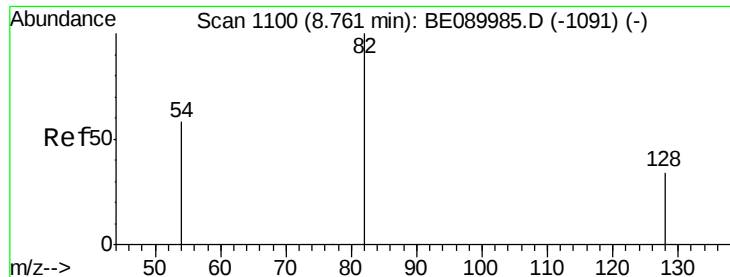
Delta R.T. 0.00 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Tgt Ion:	136	Resp:	122469
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	10.7	8.2	12.4
68	7.7	5.8	8.8





#7

Nitrobenzene-d5

Concen: 1.28 ng

RT: 8.76 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Instrument :

BNA_E

ClientSampleId :

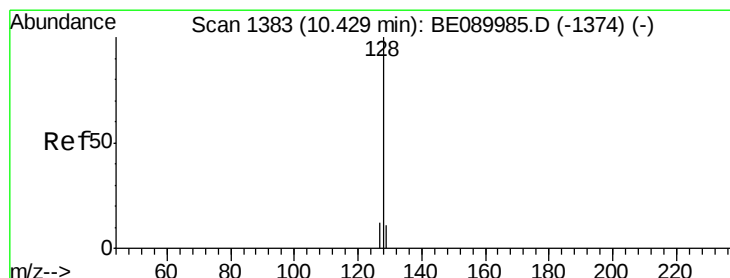
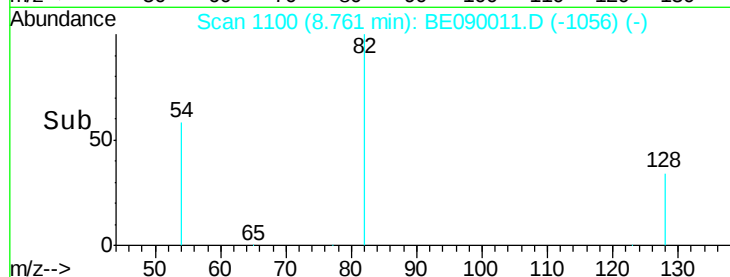
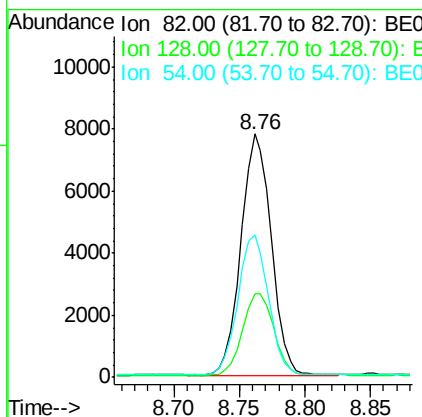
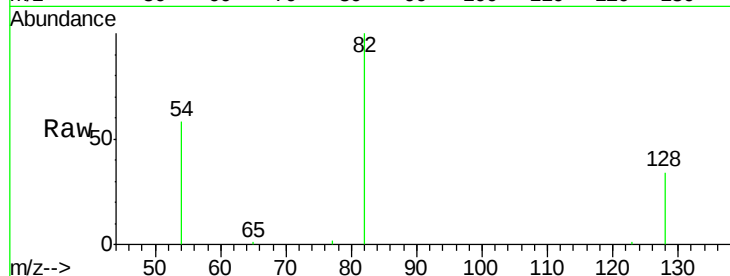
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Tgt Ion	82	Resp	12461
Ion Ratio	100	Lower	Upper
82	100		
128	34.4	28.0	42.0
54	58.4	47.6	71.4



#9

Naphthalene

Concen: 0.52 ng

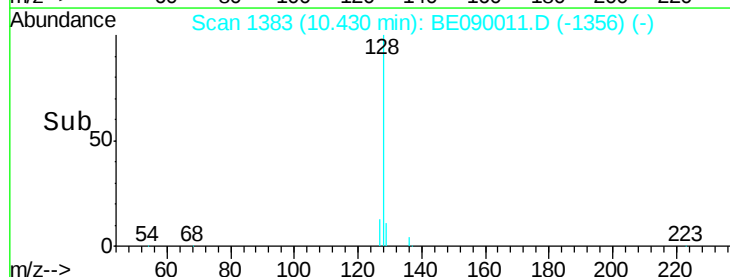
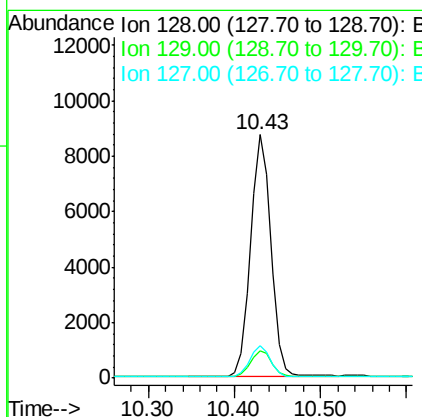
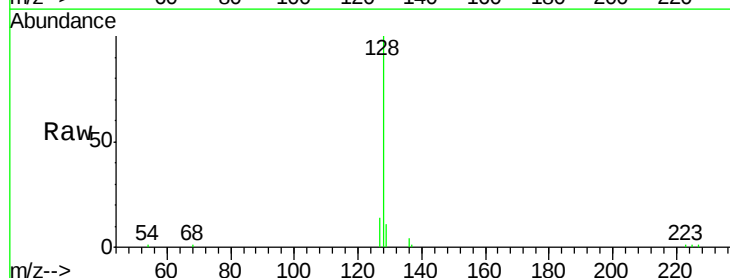
RT: 10.43 min Scan# 1383

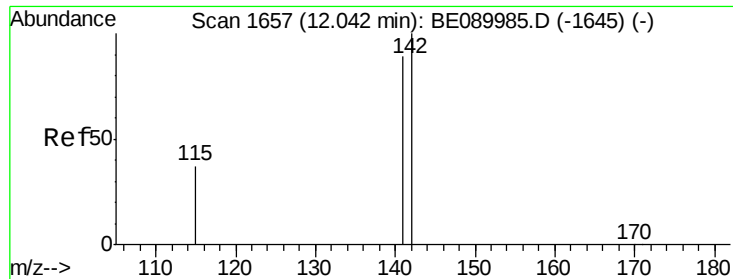
Delta R.T. 0.00 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Tgt Ion	128	Resp	14448
Ion Ratio	100	Lower	Upper
128	100		
129	11.4	9.3	13.9
127	13.5	10.2	15.4





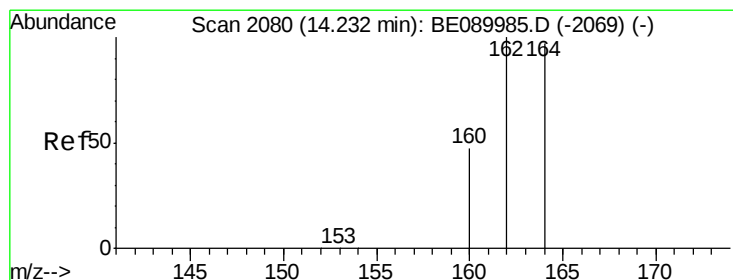
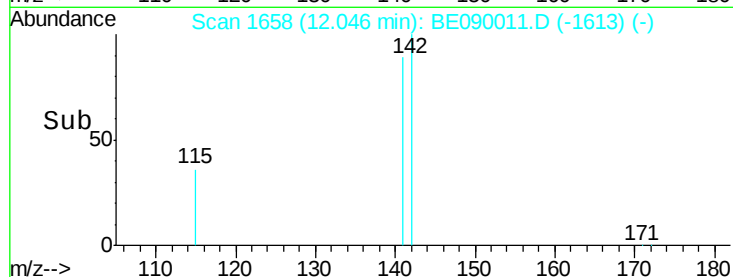
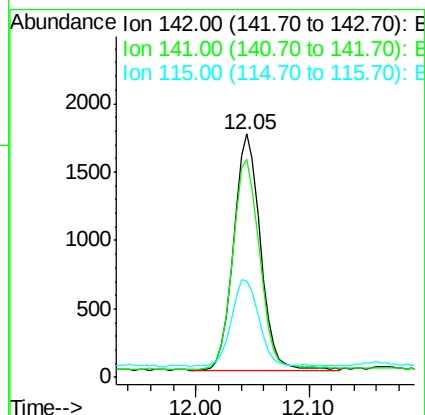
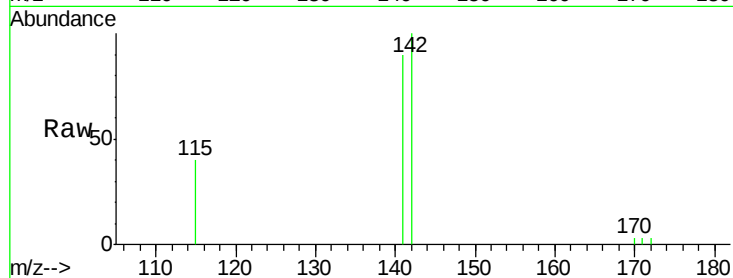
#11
2-Methylnaphthalene
Concen: 0.15 ng
RT: 12.05 min Scan# 1658
Delta R.T. 0.00 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

Instrument :
BNA_E
ClientSampleId :
X1SS0520006-150625-D

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.3	106.9
115	39.7	30.4	45.6

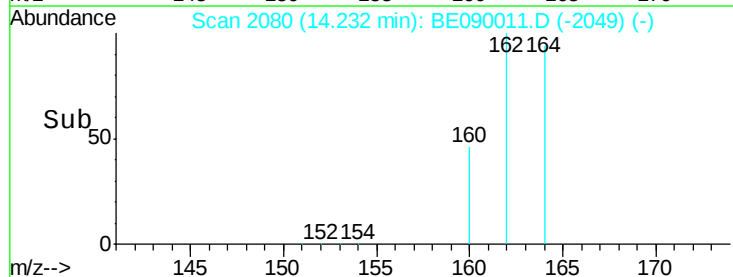
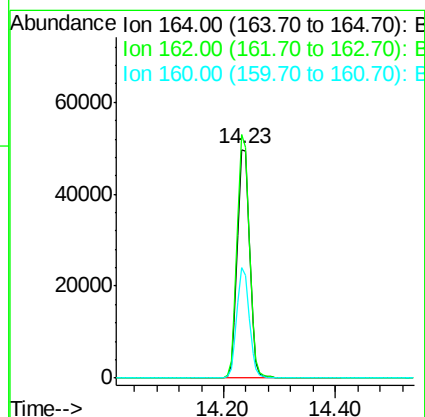
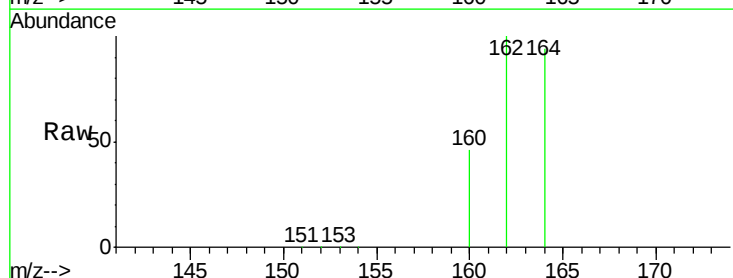
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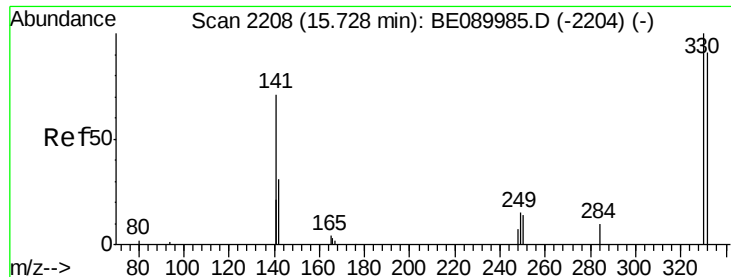
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.5	82.2	123.4
160	48.6	39.0	58.6





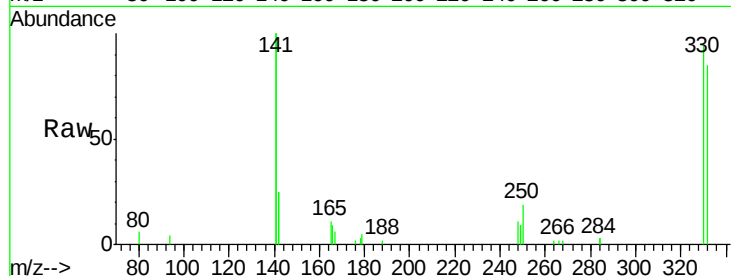
#13
 2,4,6-Tribromophenol
 Concen: 2.96 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090011.D
 Acq: 30 Jun 2015 10:06

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625-D

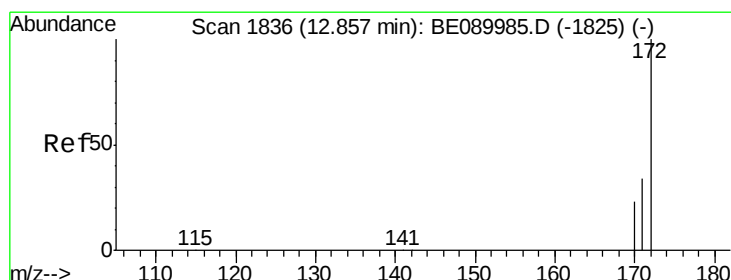
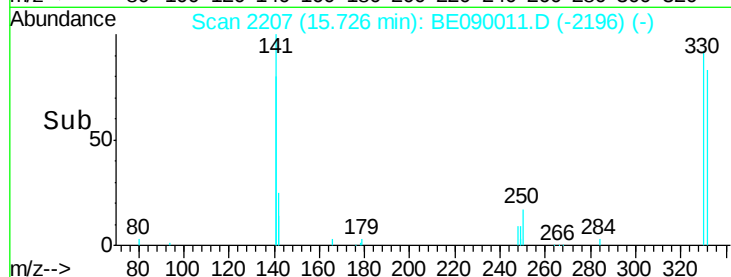
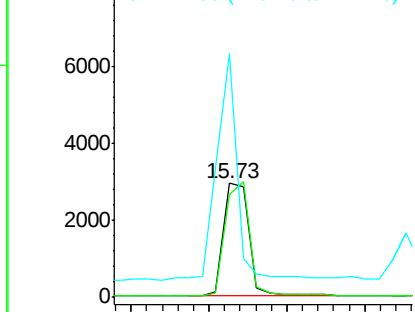
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.4	114.6
141	163.9	130.3	195.5

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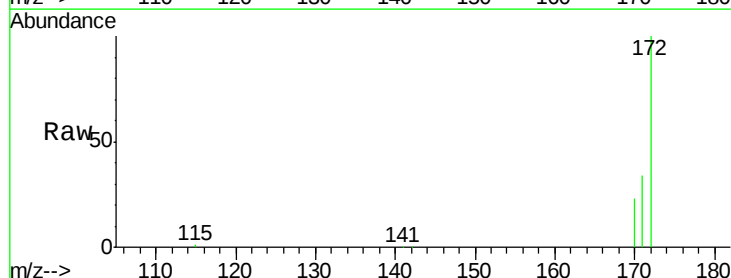


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

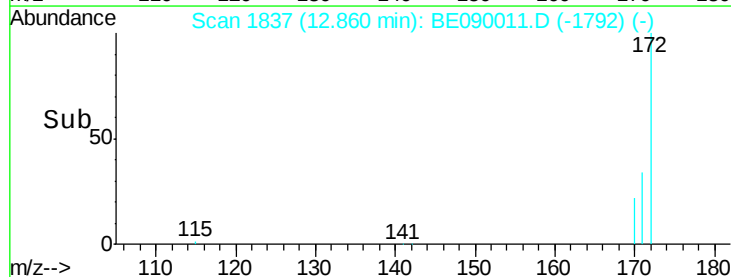
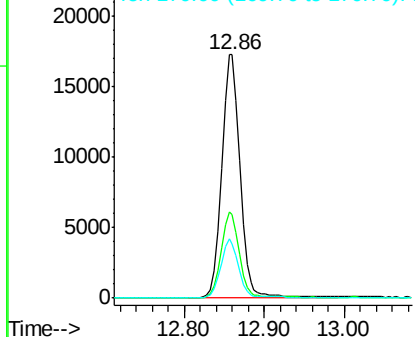


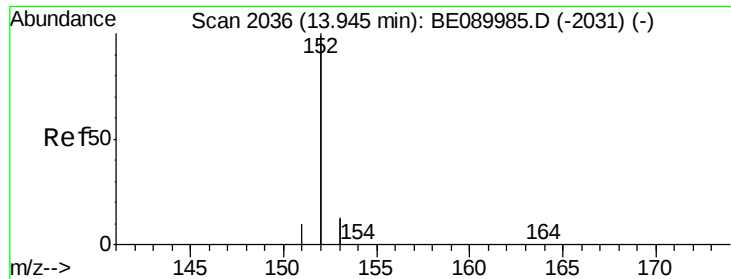
#14
 2-Fluorobiphenyl
 Concen: 1.21 ng
 RT: 12.86 min Scan# 1837
 Delta R.T. 0.00 min
 Lab File: BE090011.D
 Acq: 30 Jun 2015 10:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	27.8	41.6
170	22.5	18.3	27.5



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





#15

Acenaphthylene

Concen: 0.02 ng

RT: 13.95 min Scan# 2037

Delta R.T. 0.01 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Instrument :

BNA_E

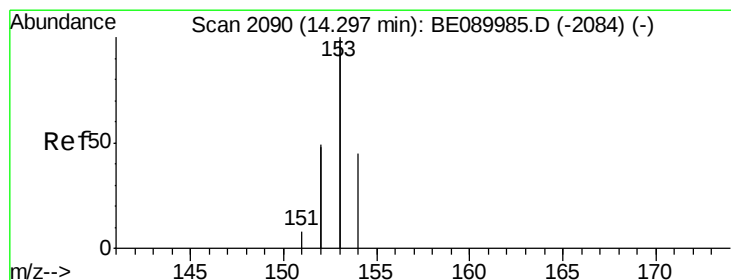
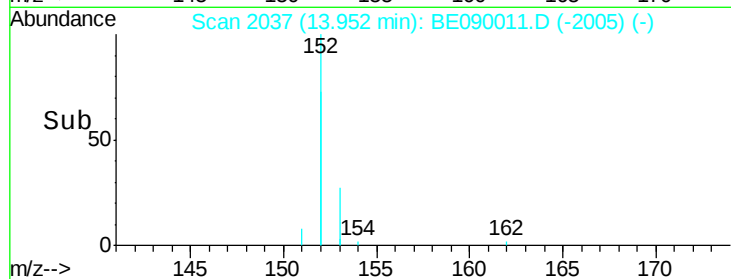
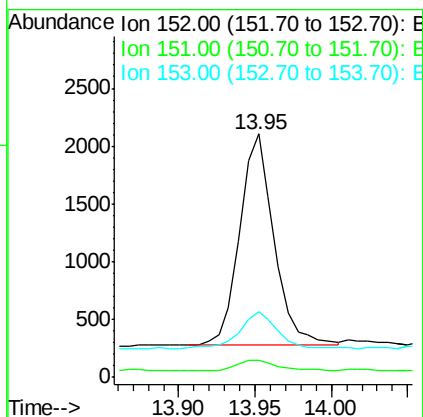
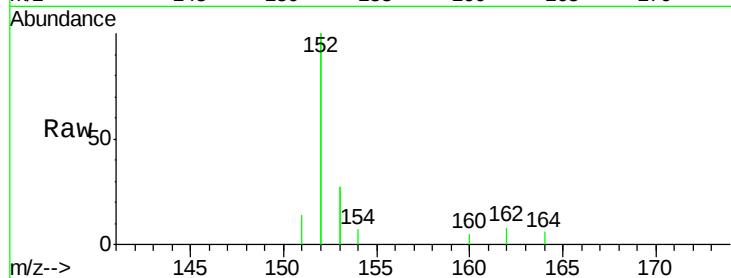
ClientSampleId :

X1SS0520006-150625-D

Tgt Ion:	152	Resp:	2880
Ion Ratio	Lower	Upper	
152	100		
151	5.6	3.9	5.9
153	19.3	10.4	15.6

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#16

Acenaphthene

Concen: 0.73 ng

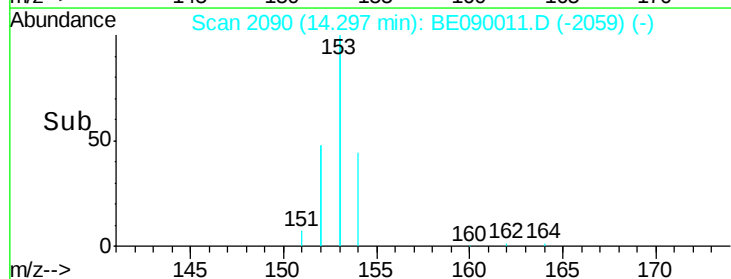
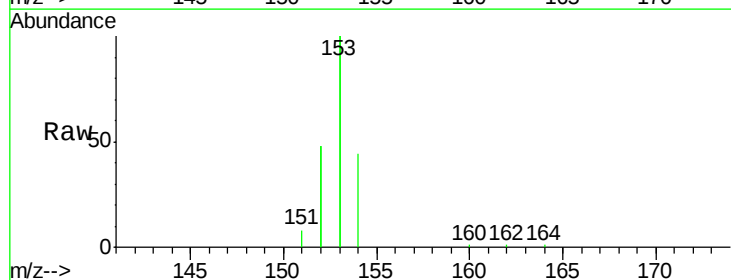
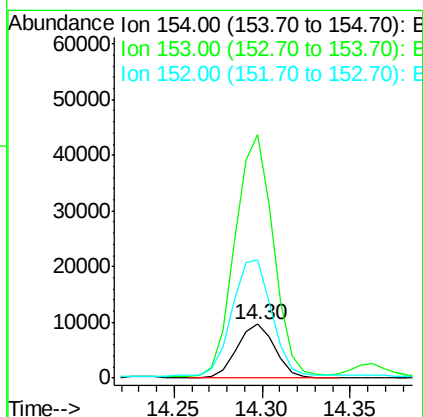
RT: 14.30 min Scan# 2090

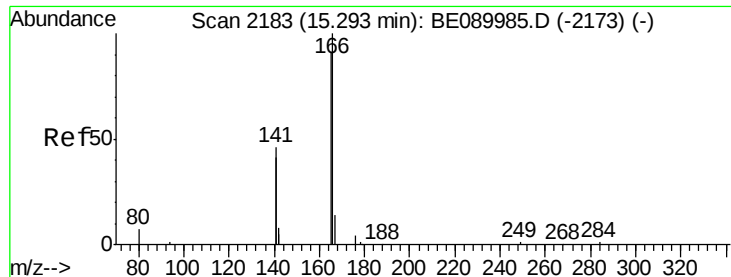
Delta R.T. 0.00 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Tgt Ion:	154	Resp:	14227
Ion Ratio	Lower	Upper	
154	100		
153	456.2	358.6	538.0
152	228.4	189.6	284.4





#17

Fluorene

Concen: 0.27 ng

RT: 15.29 min Scan# 2182

Delta R.T. -0.00 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Instrument :

BNA_E

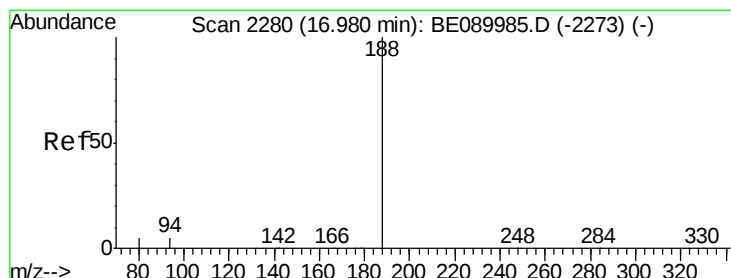
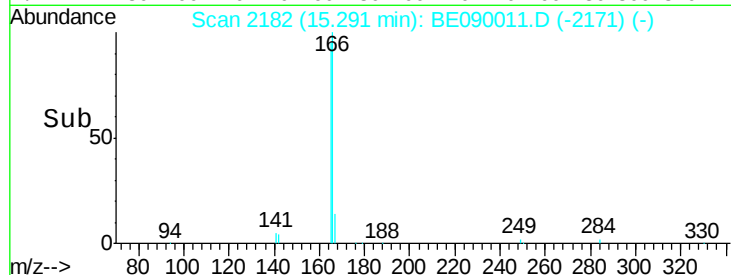
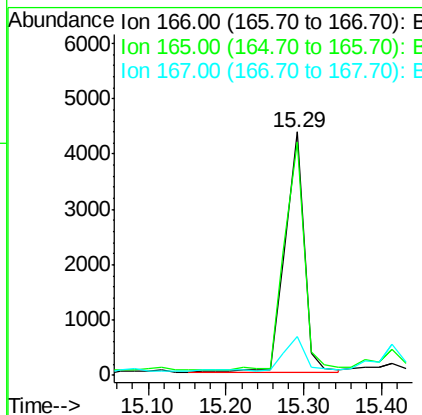
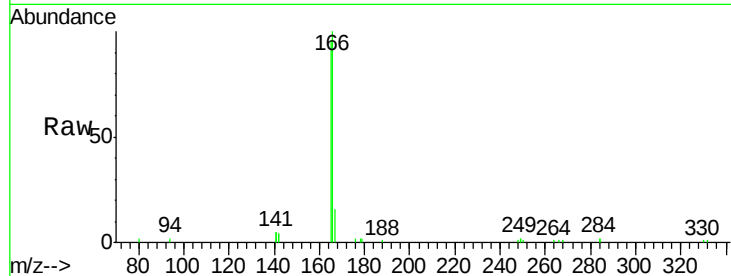
ClientSampleId :

X1SS0520006-150625-D

Tgt Ion:	166	Resp:	7219
Ion Ratio	Lower	Upper	
166	100		
165	101.5	79.0	118.6
167	17.1	11.8	17.8

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#18

Phenanthrene-d10

Concen: 5.00 ng

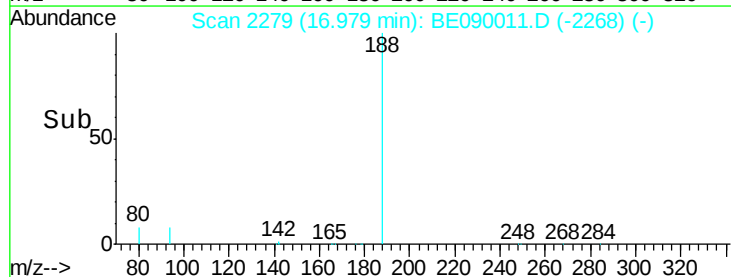
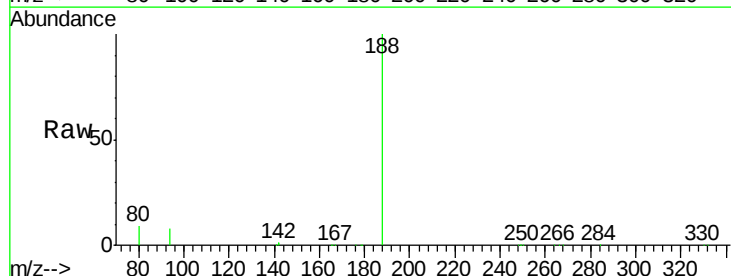
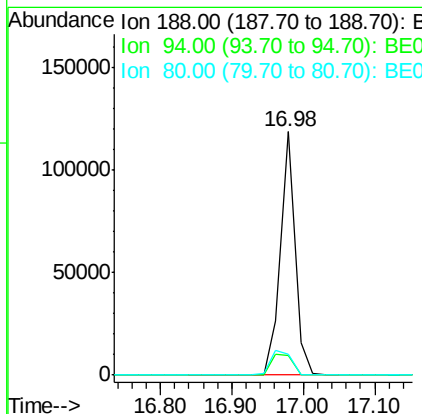
RT: 16.98 min Scan# 2279

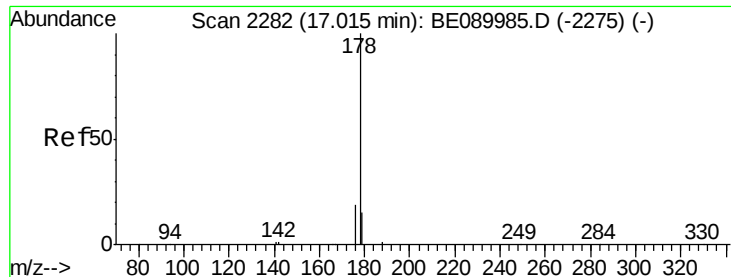
Delta R.T. -0.00 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Tgt Ion:	188	Resp:	169396
Ion Ratio	Lower	Upper	
188	100		
94	8.1	4.1	6.1#
80	8.6	4.2	6.2#





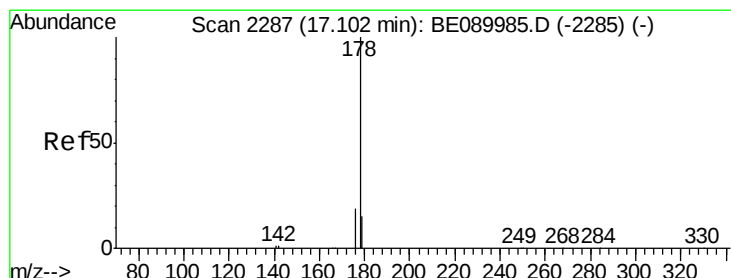
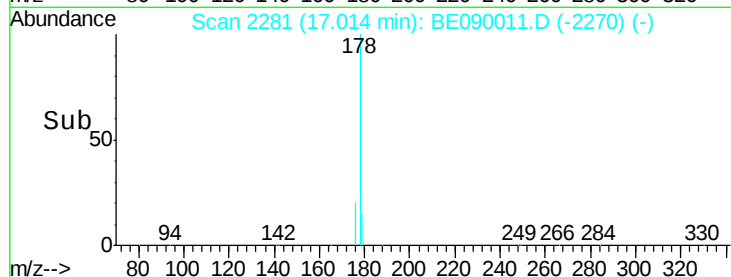
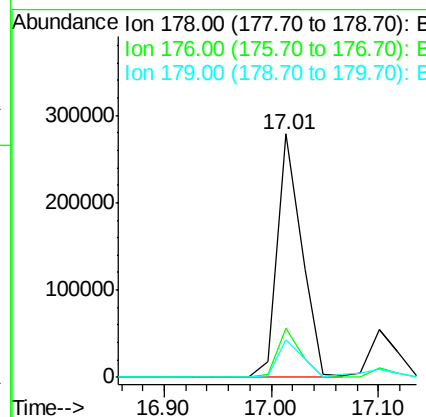
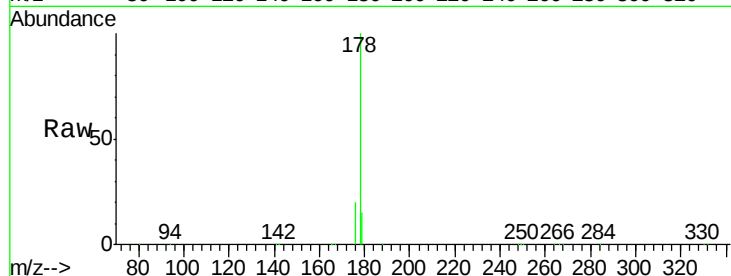
#22
Phenanthrene
Concen: 10.19 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

Instrument :
BNA_E
ClientSampleId :
X1SS0520006-150625-D

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.4	12.4	18.6

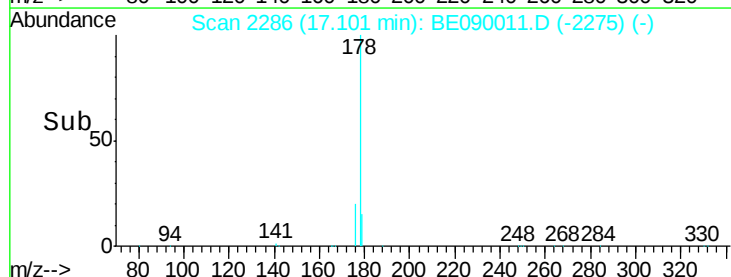
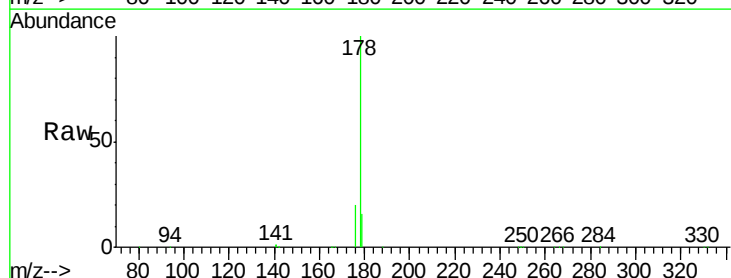
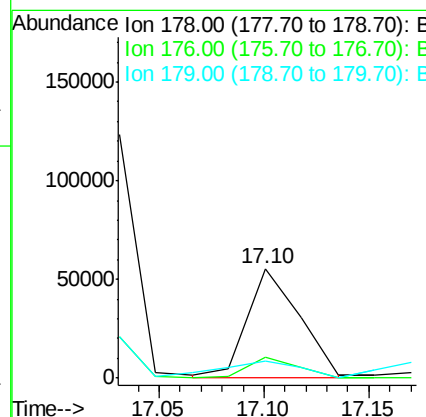
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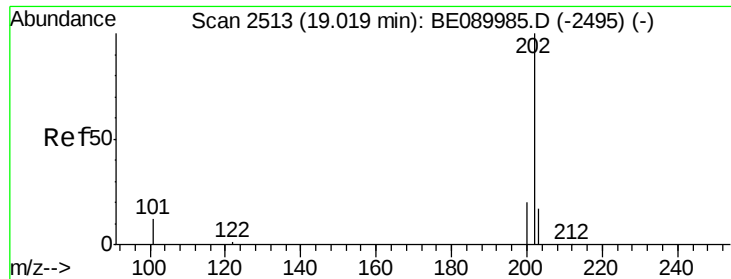
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#23
Anthracene
Concen: 2.40 ng m
RT: 17.10 min Scan# 2286
Delta R.T. -0.00 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

Tgt Ion	Ratio	Lower	Upper
178	100		
176	90.2	14.7	22.1#
179	76.2	12.1	18.1#





#24

Fluoranthene

Concen: 30.39 ng

RT: 19.02 min Scan# 2513

Delta R.T. 0.01 min

Lab File: BE090011.D

Acq: 30 Jun 2015 10:06

Instrument :

BNA_E

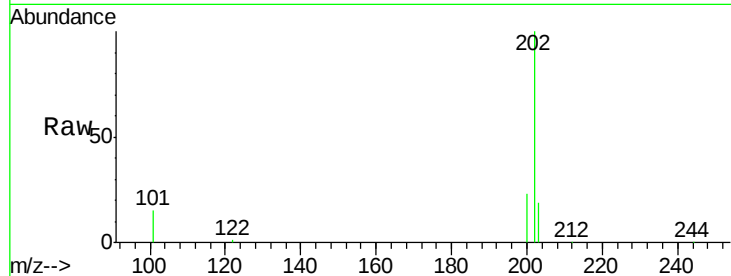
ClientSampleId :

X1SS0520006-150625-D

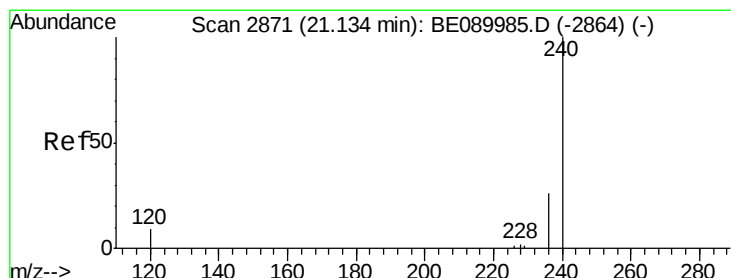
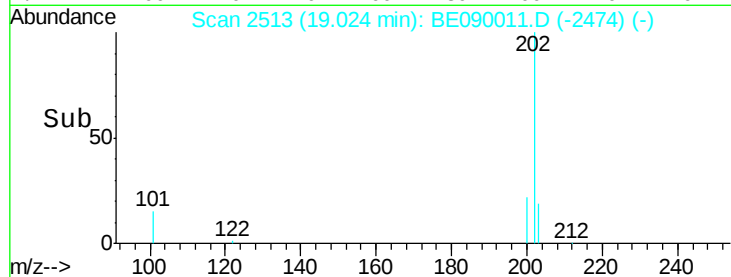
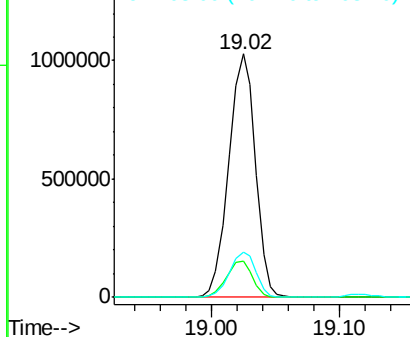
Tgt Ion:	202	Resp:	1473304
Ion	Ratio	Lower	Upper
202	100		
101	14.7	10.6	15.8
203	18.3	13.8	20.6

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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



#25

Chrysene-d12

Concen: 5.00 ng

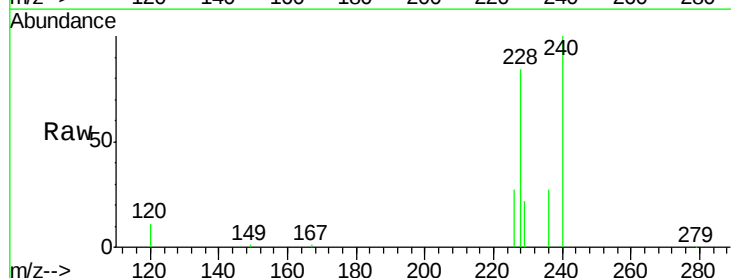
RT: 21.14 min Scan# 2870

Delta R.T. 0.01 min

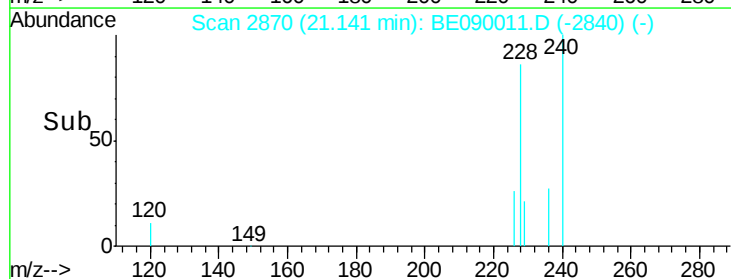
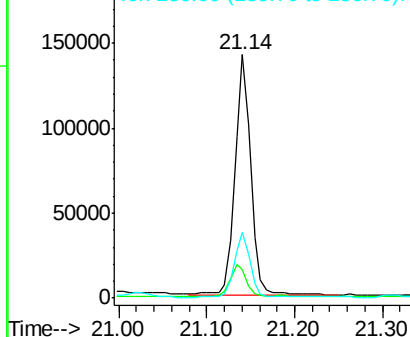
Lab File: BE090011.D

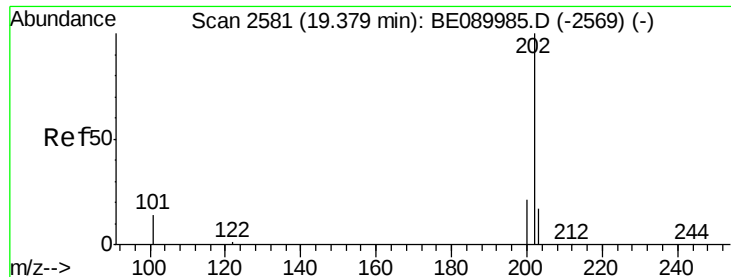
Acq: 30 Jun 2015 10:06

Tgt Ion:	240	Resp:	174694
Ion	Ratio	Lower	Upper
240	100		
120	11.5	6.9	10.3#
236	26.9	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





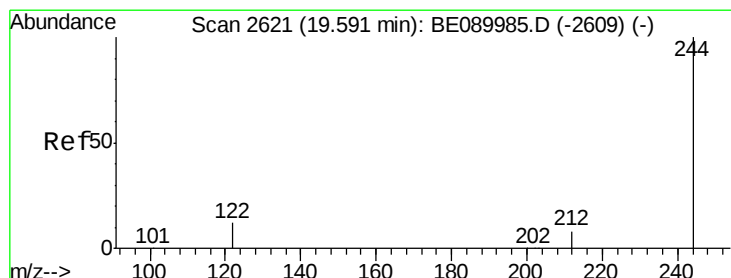
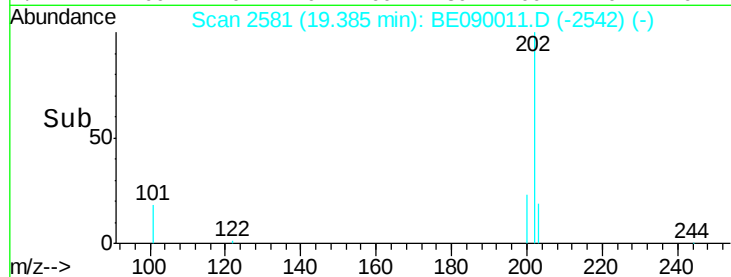
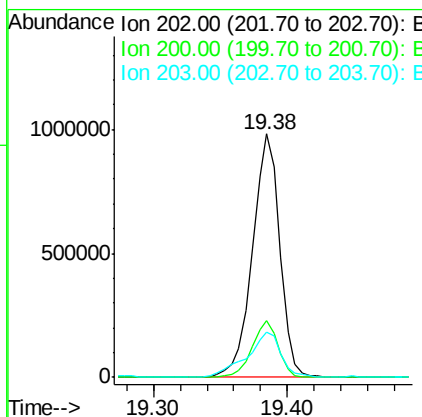
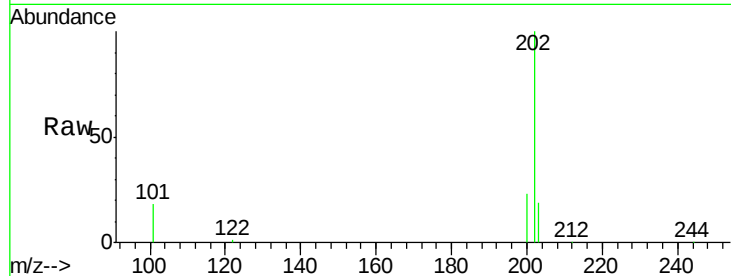
#26
 Pyrene
 Concen: 33.56 ng
 RT: 19.38 min Scan# 2581
 Delta R.T. 0.01 min
 Lab File: BE090011.D
 Acq: 30 Jun 2015 10:06

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625-D

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	16.8	25.2
203	23.1	13.9	20.9

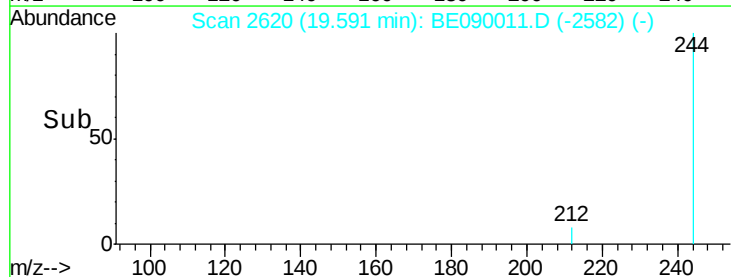
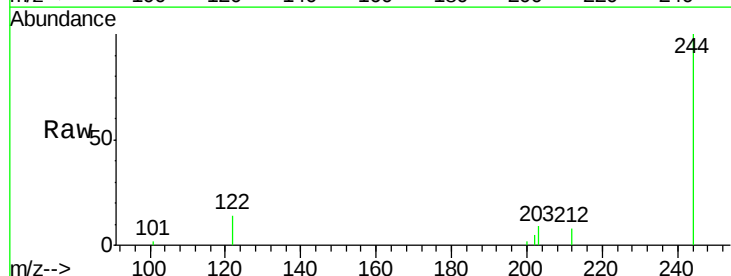
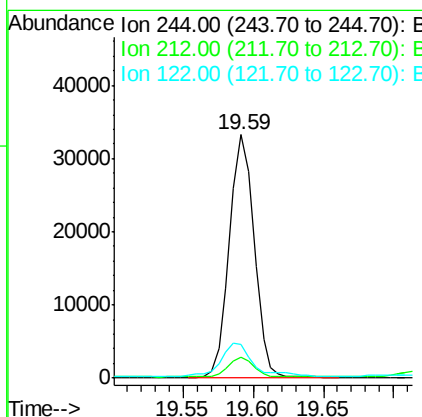
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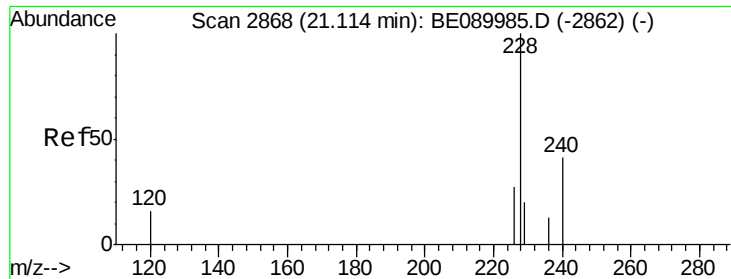
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#27
 Terphenyl-d14
 Concen: 1.39 ng
 RT: 19.59 min Scan# 2620
 Delta R.T. 0.00 min
 Lab File: BE090011.D
 Acq: 30 Jun 2015 10:06

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	6.6	9.8
122	13.6	9.8	14.8





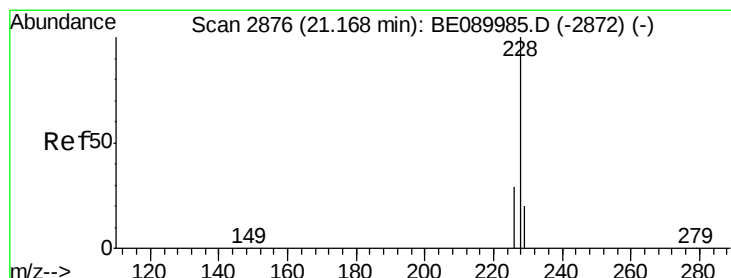
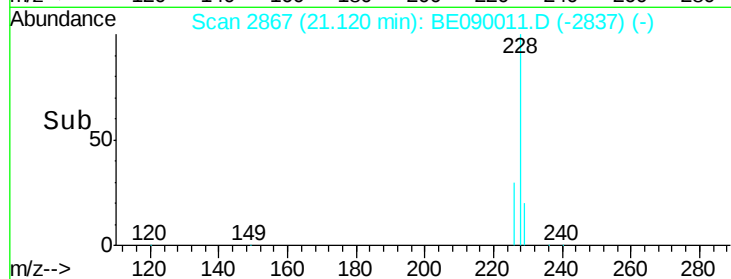
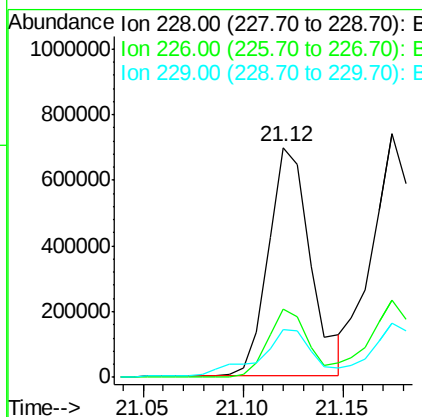
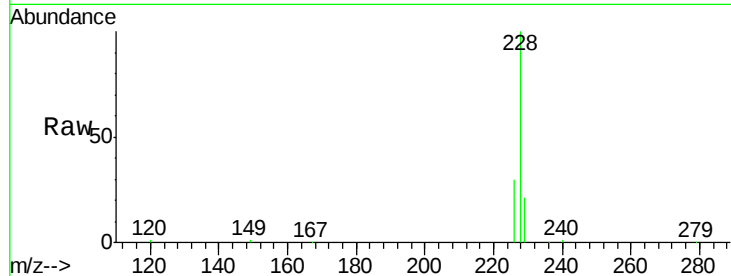
#28
Benzo(a)anthracene
Concen: 23.44 ng
RT: 21.12 min Scan# 2867
Delta R.T. 0.01 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

Instrument :
BNA_E
ClientSampleId :
X1SS0520006-150625-D

Tgt Ion:228 Resp: 1022512
Ion Ratio Lower Upper
228 100
226 29.9 21.8 32.6
229 20.7 15.8 23.6

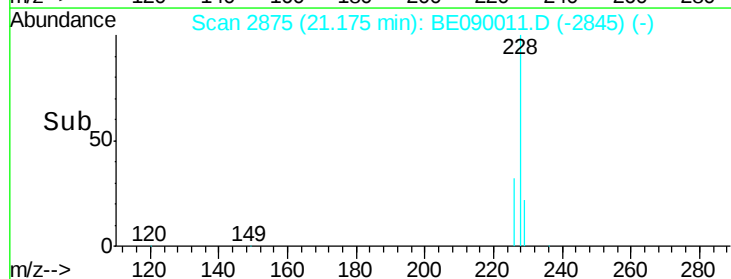
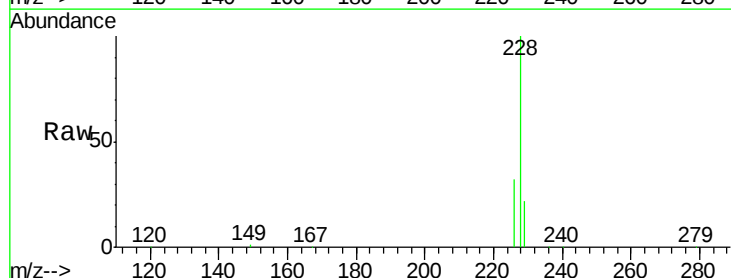
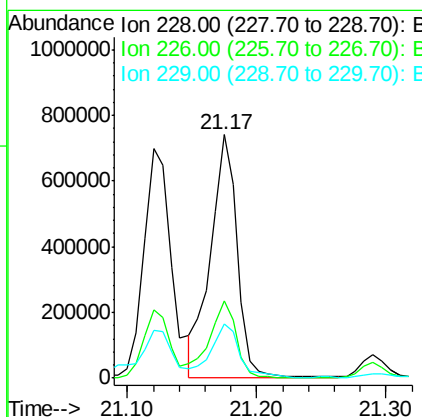
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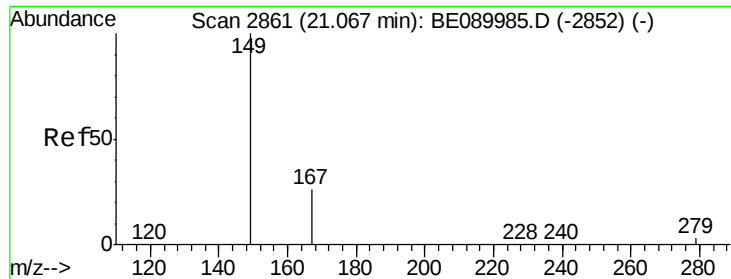
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#29
Chrysene
Concen: 23.33 ng
RT: 21.17 min Scan# 2875
Delta R.T. 0.01 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

Tgt Ion:228 Resp: 1056896
Ion Ratio Lower Upper
228 100
226 32.0 23.4 35.0
229 22.3 16.2 24.2





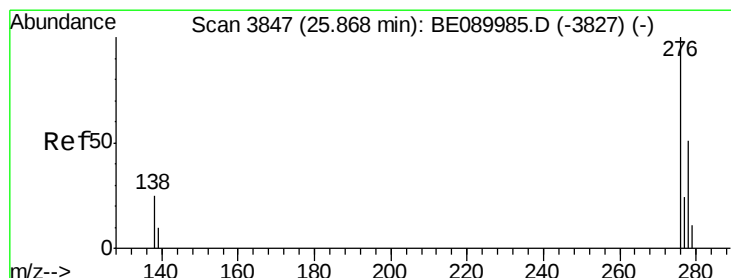
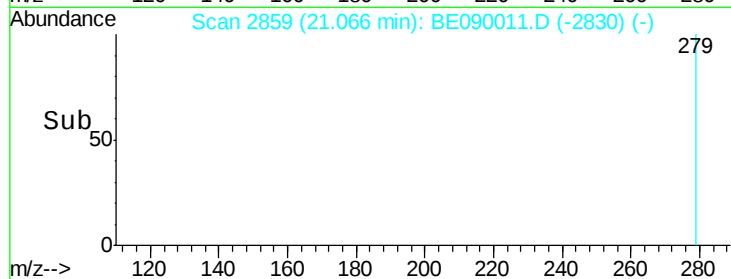
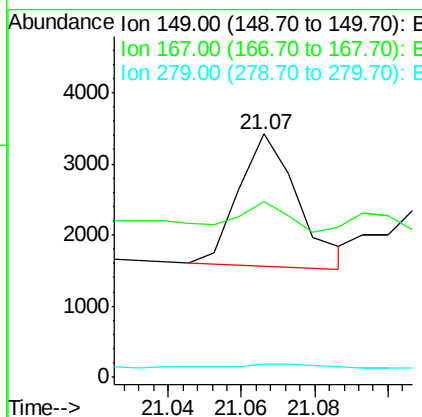
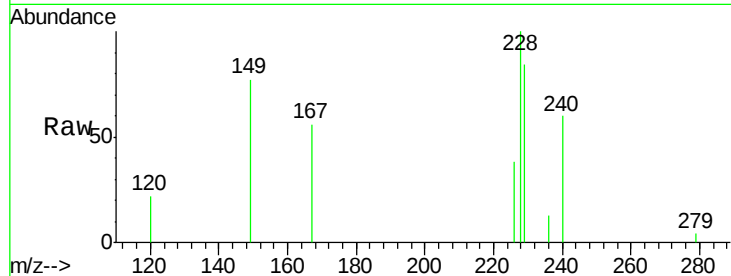
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.40 ng
 RT: 21.07 min Scan# 2859
 Delta R.T. 0.00 min
 Lab File: BE090011.D
 Acq: 30 Jun 2015 10:06

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625-D

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	20.3	30.5#
279	3.7	2.6	3.8

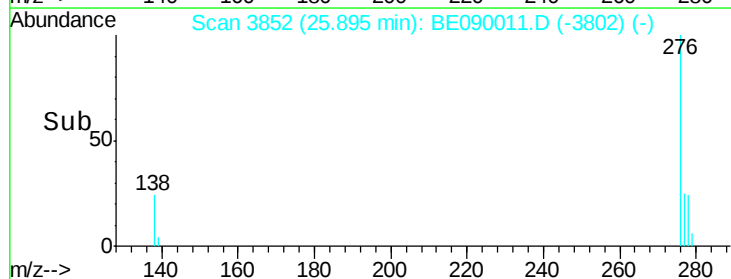
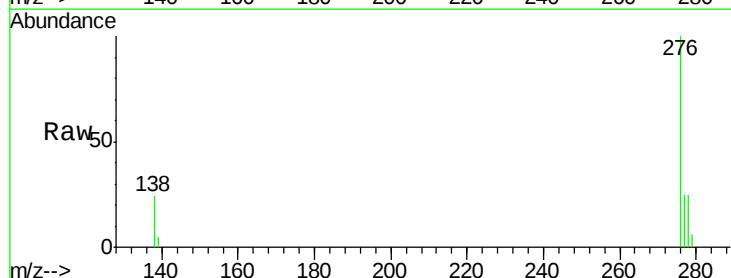
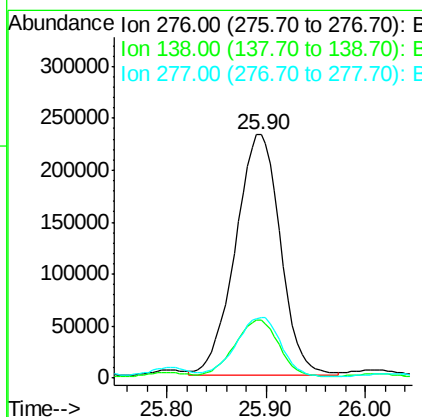
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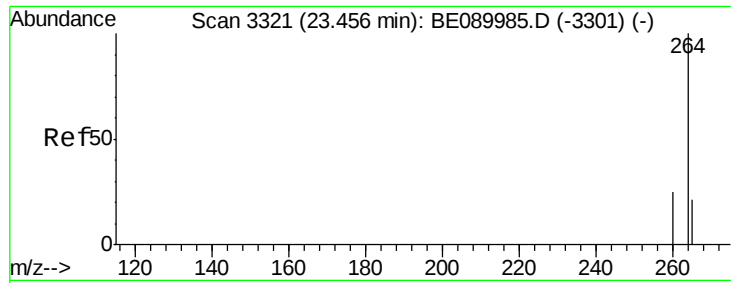
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#31
 Indeno(1,2,3-cd)pyrene
 Concen: 16.88 ng
 RT: 25.90 min Scan# 3852
 Delta R.T. 0.03 min
 Lab File: BE090011.D
 Acq: 30 Jun 2015 10:06

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.2	21.3	31.9
277	24.2	19.7	29.5





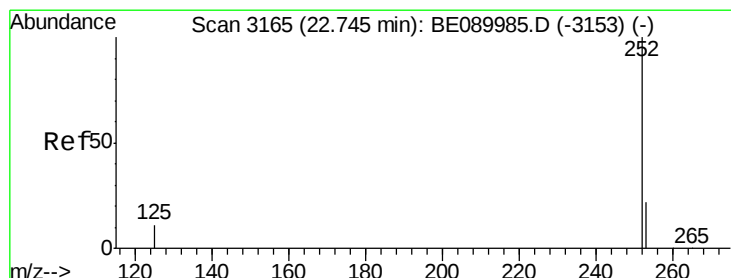
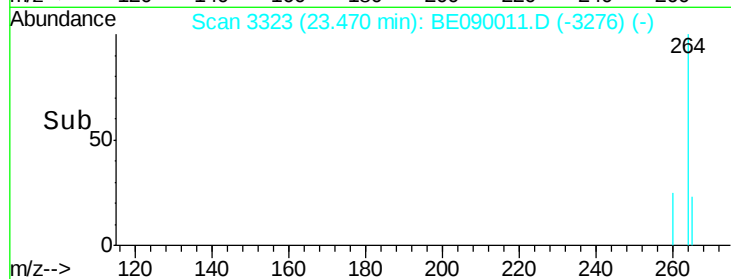
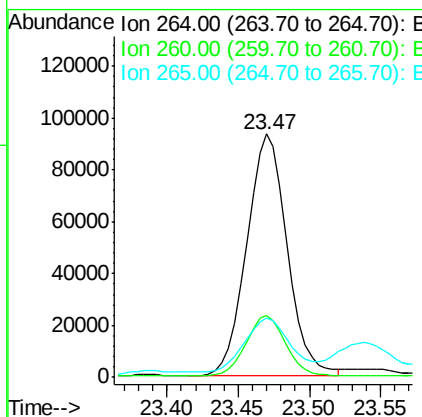
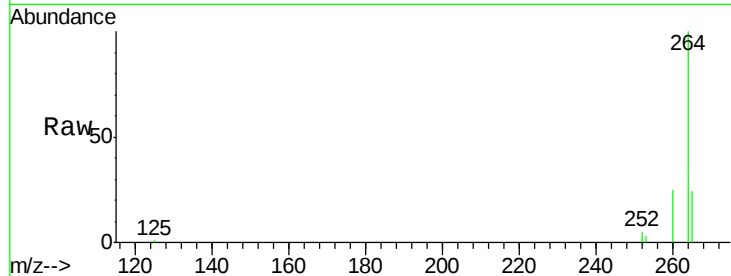
#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 3323
 Delta R.T. 0.01 min
 Lab File: BE090011.D
 Acq: 30 Jun 2015 10:06

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0520006-150625-D

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	184787		
260	25.4	20.2	30.2	
265	24.2	17.1	25.7	

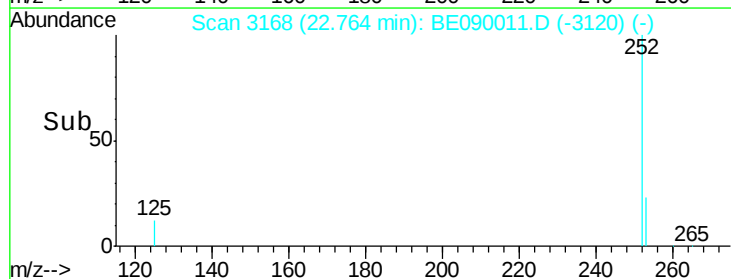
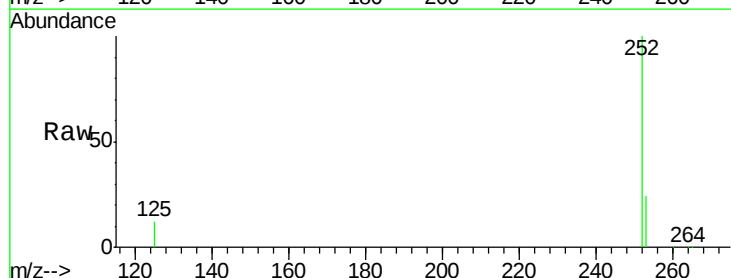
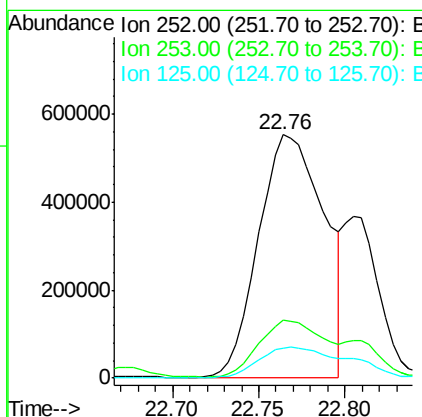
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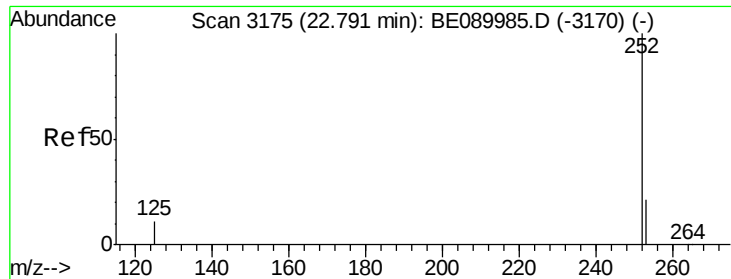
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#33
 Benzo(b)fluoranthene
 Concen: 35.81 ng
 RT: 22.76 min Scan# 3168
 Delta R.T. 0.02 min
 Lab File: BE090011.D
 Acq: 30 Jun 2015 10:06

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	1459694		
253	23.7	17.8	26.8	
125	12.5	9.0	13.4	





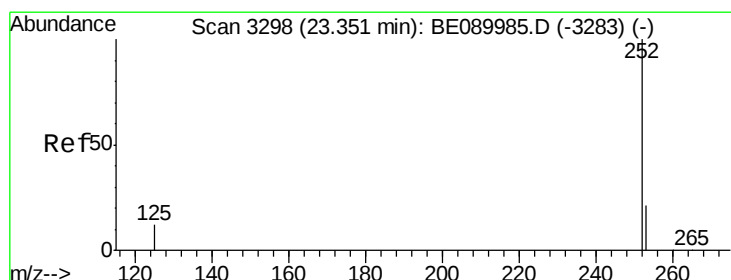
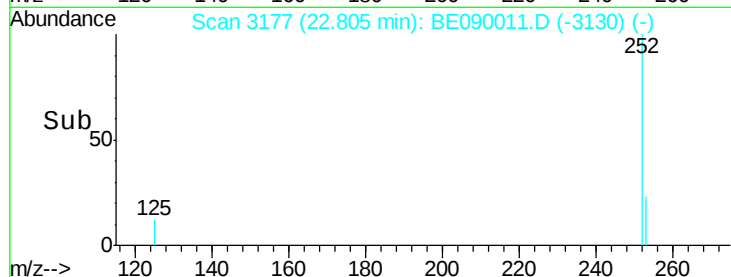
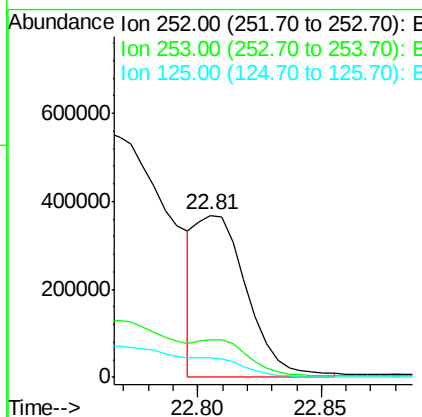
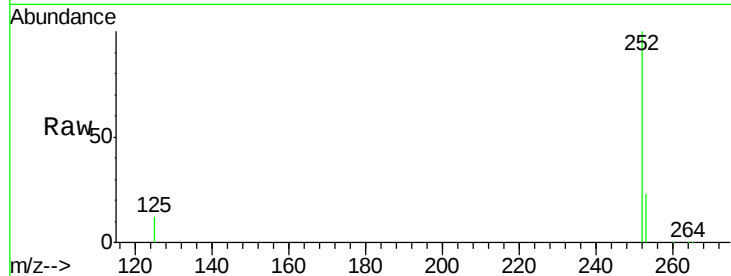
#34
Benzo(k)fluoranthene
Concen: 11.62 ng m
RT: 22.81 min Scan# 3177
Delta R.T. 0.01 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

Instrument :
BNA_E
ClientSampleId :
X1SS0520006-150625-D

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.5	26.3
125	12.3	9.5	14.3

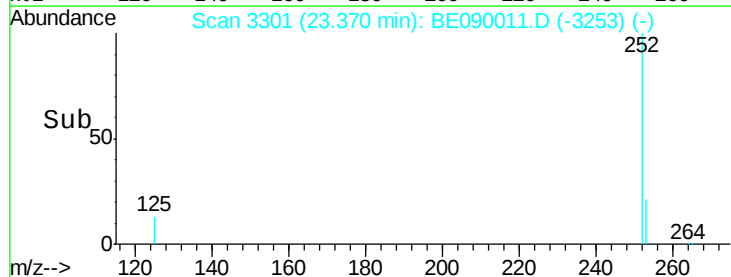
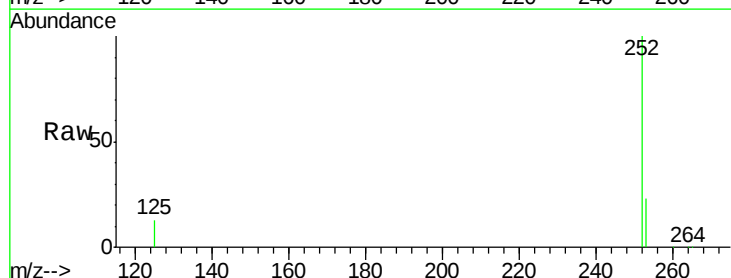
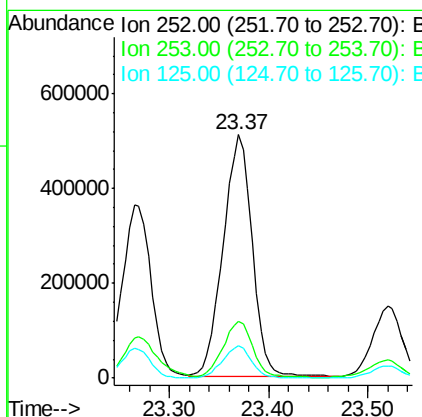
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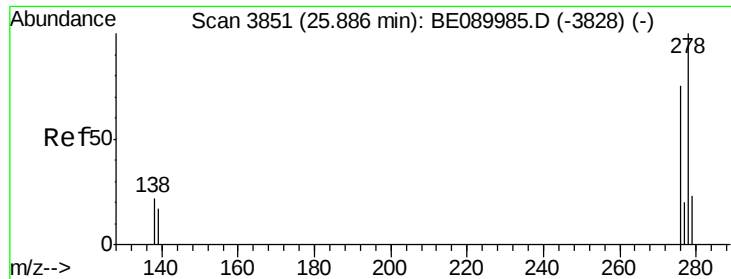
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#35
Benzo(a)pyrene
Concen: 27.38 ng
RT: 23.37 min Scan# 3301
Delta R.T. 0.02 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

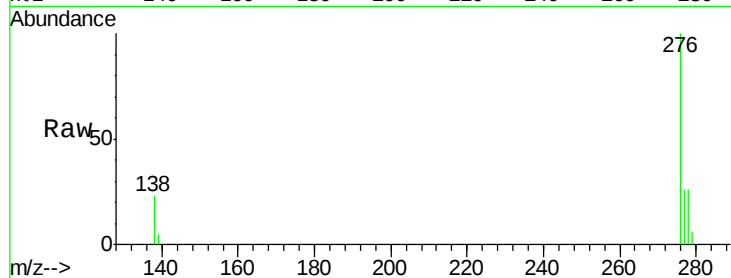
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	13.2	10.5	15.7





#36
Dibenzo(a,h)anthracene
Concen: 4.85 ng
RT: 25.90 min Scan# 3853
Delta R.T. 0.01 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06

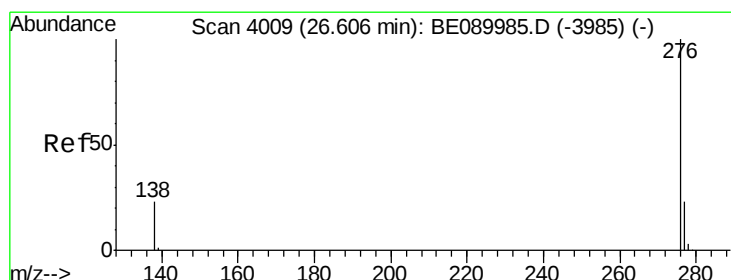
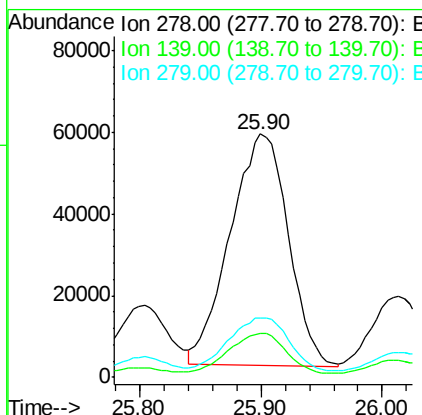
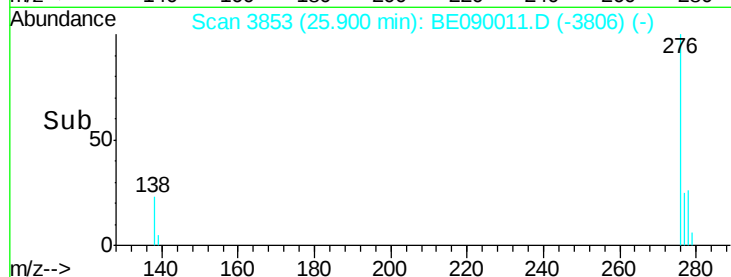
Instrument :
BNA_E
ClientSampleId :
X1SS0520006-150625-D



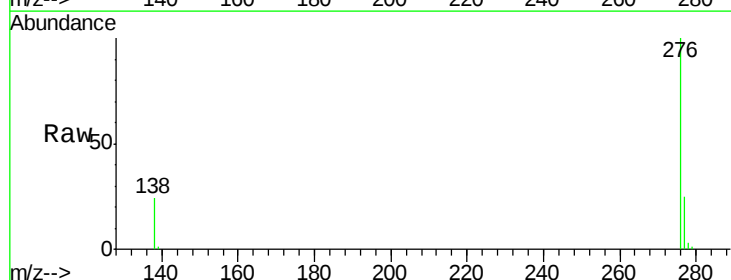
Tgt Ion	Ratio	Resp Lower	Resp Upper
278	100		
139	18.0	14.4	21.6
279	24.6	19.0	28.6

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#37
Benzo(g,h,i)perylene
Concen: 18.70 ng
RT: 26.65 min Scan# 4017
Delta R.T. 0.04 min
Lab File: BE090011.D
Acq: 30 Jun 2015 10:06



Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.6	18.8	28.2
138	23.8	18.6	27.8

