

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE090002.D
 Acq On : 30 Jun 2015 4:44
 Operator : TP/IZ
 Sample : G2810-20
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0540006-150625

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Quant Time: Jun 30 08:54:22 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	23228	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	110813	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	64894	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	140560	5.00	ng	0.00
25) Chrysene-d12	21.14	240	145758	5.00	ng	0.00
32) Perylene-d12	23.47	264	139497	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	44538	8.35	ng	0.00
5) Phenol-d6	6.80	99	71919	9.63	ng	0.00
7) Nitrobenzene-d5	8.76	82	41788	4.75	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	21401	11.25	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	90174	4.62	ng	0.00
27) Terphenyl-d14	19.59	244	115859	4.77	ng	0.00
Target Compounds						
22) Phenanthrene	17.01	178	12360	0.34	ng	Qvalue # 93
23) Anthracene	17.10	178	2446m	0.07	ng	
24) Fluoranthene	19.02	202	35717	0.89	ng	# 94
26) Pyrene	19.38	202	33612	0.97	ng	95
28) Benzo(a)anthracene	21.12	228	22065	0.61	ng	# 77
29) Chrysene	21.17	228	26088	0.69	ng	# 88
31) Indeno(1,2,3-cd)pyrene	25.87	276	17610	0.49	ng	97
33) Benzo(b)fluoranthene	22.75	252	37378	1.21	ng	# 76
34) Benzo(k)fluoranthene	22.80	252	11189m	0.33	ng	
35) Benzo(a)pyrene	23.36	252	23341	0.82	ng	# 81
37) Benzo(g,h,i)perylene	26.62	276	18394	0.62	ng	# 87

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

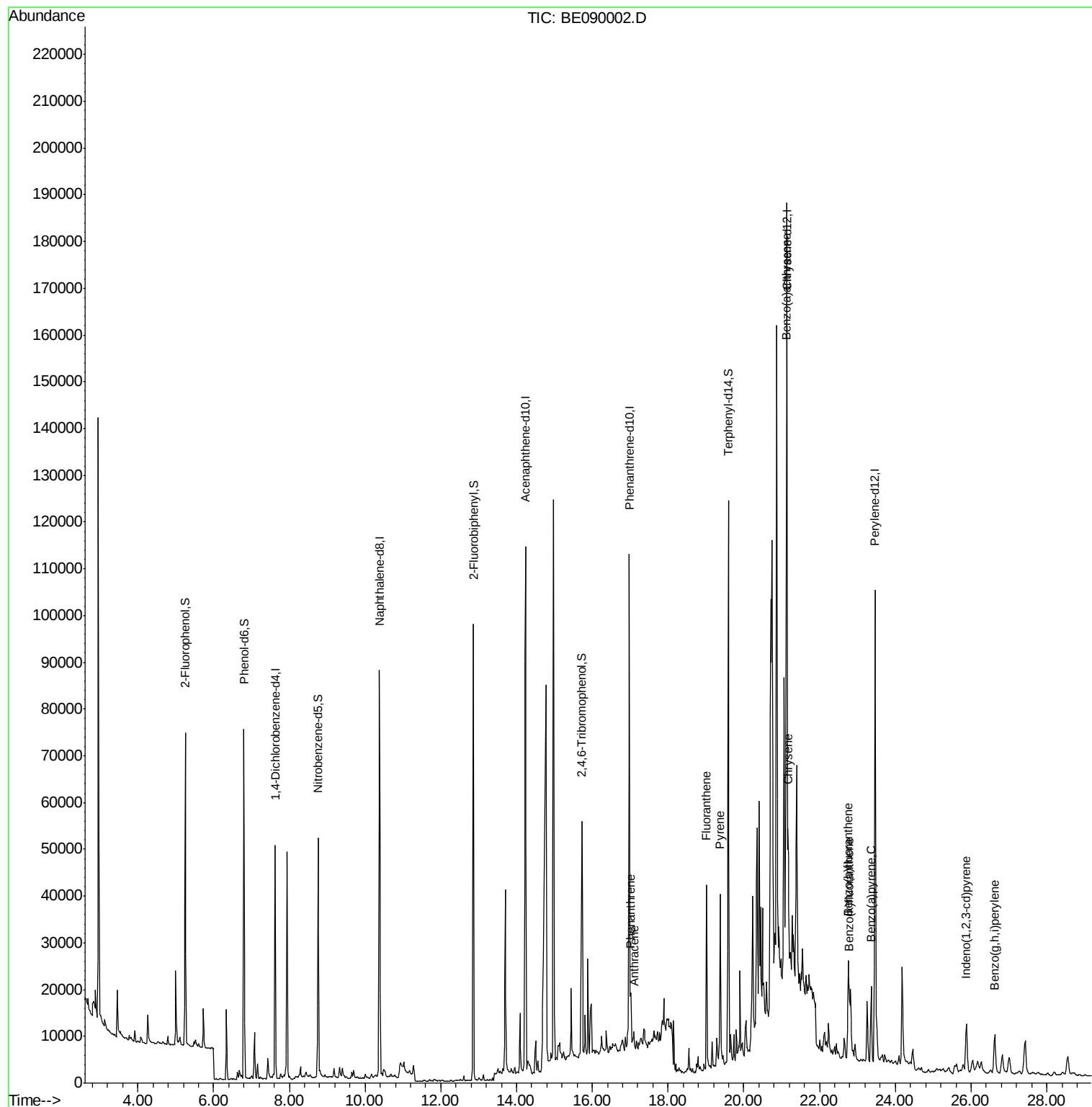
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
Data File : BE090002.D
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Sample : G2810-20
Misc :
ALS Vial : 20 Sample Multiplier: 1

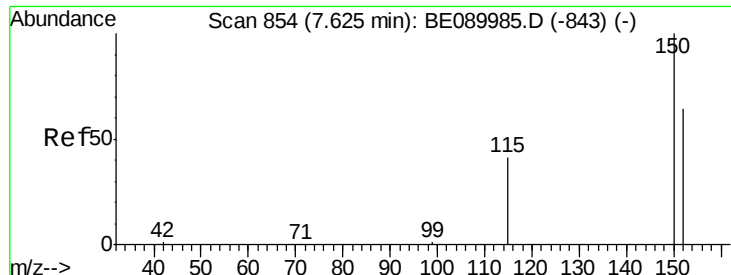
Instrument :
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Quant Time: Jun 30 08:54:22 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 854

Delta R.T. 0.00 min

Lab File: BE090002.D

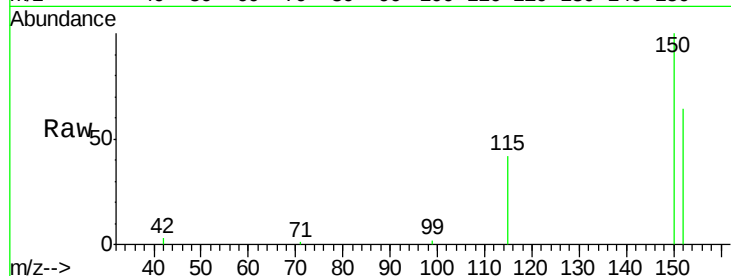
Acq: 30 Jun 2015 4:44

Instrument :

BNA_E

ClientSampleId :

X1SS0540006-150625



Tgt Ion:152 Resp: 23228

Ion Ratio Lower Upper

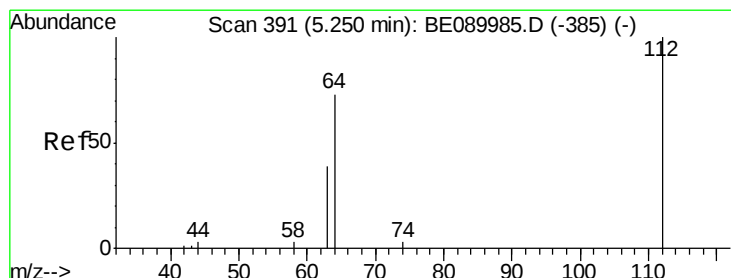
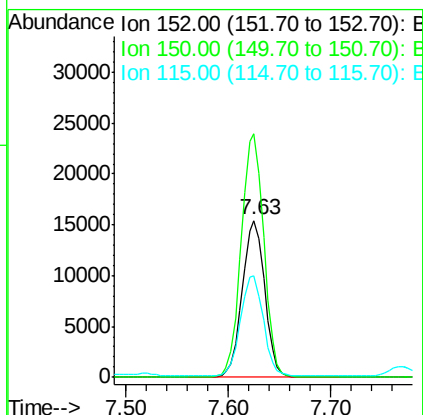
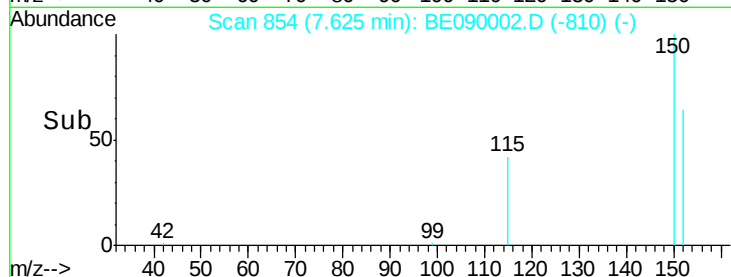
152 100

150 155.3 123.9 185.9

115 65.1 50.6 76.0

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#4

2-Fluorophenol

Concen: 8.35 ng

RT: 5.25 min Scan# 391

Delta R.T. 0.00 min

Lab File: BE090002.D

Acq: 30 Jun 2015 4:44

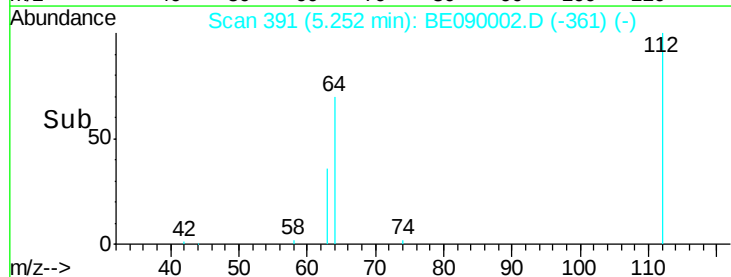
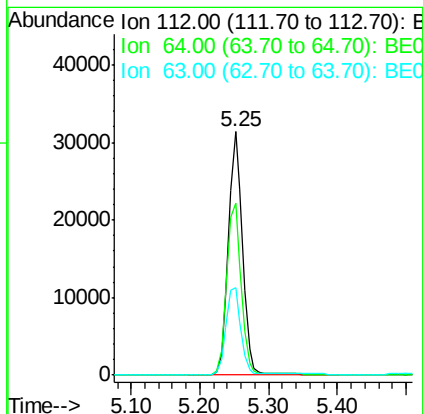
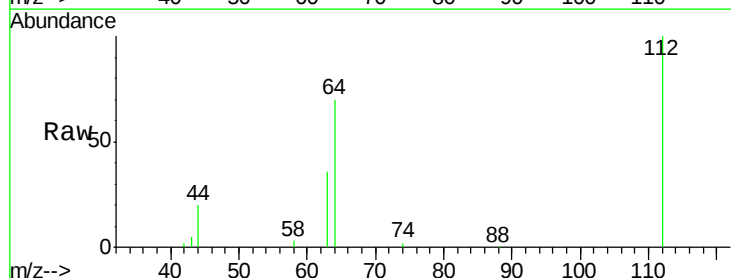
Tgt Ion:112 Resp: 44538

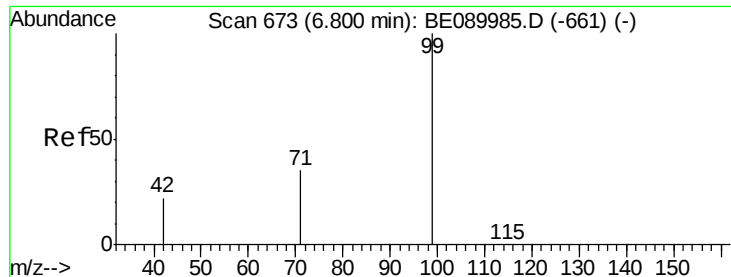
Ion Ratio Lower Upper

112 100

64 72.7 56.3 84.5

63 37.5 29.8 44.6





#5

Phenol-d6

Concen: 9.63 ng

RT: 6.80 min Scan# 673

Delta R.T. 0.00 min

Lab File: BE090002.D

Acq: 30 Jun 2015 4:44

Instrument :

BNA_E

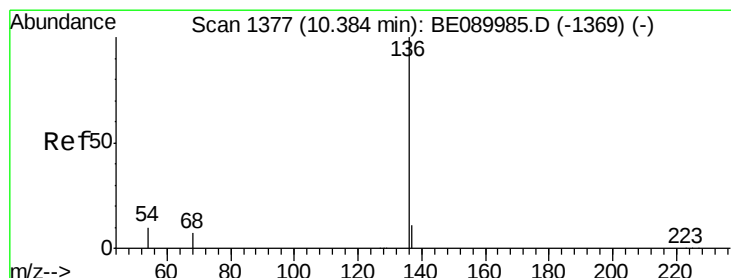
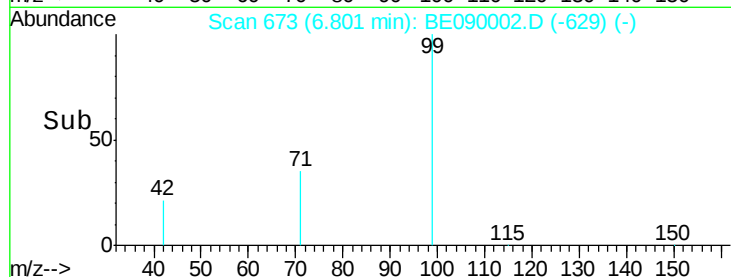
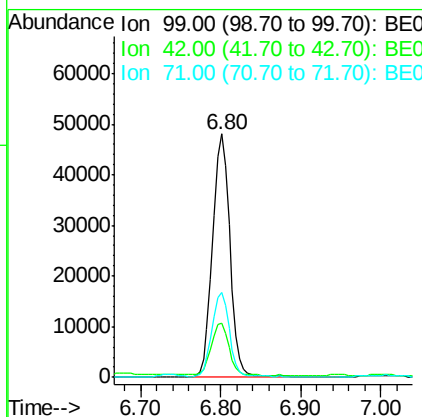
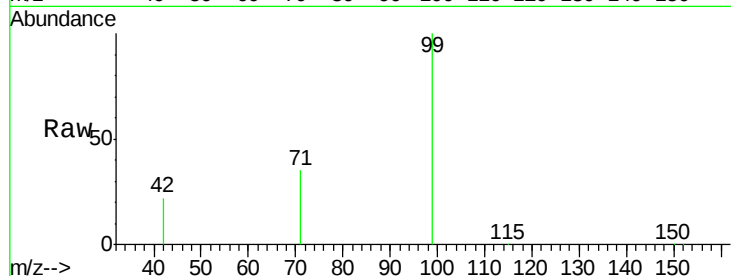
ClientSampleId :

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Tgt Ion:	99	Resp:	71919
Ion Ratio	Lower	Upper	
99	100		
42	21.6	18.7	28.1
71	34.2	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

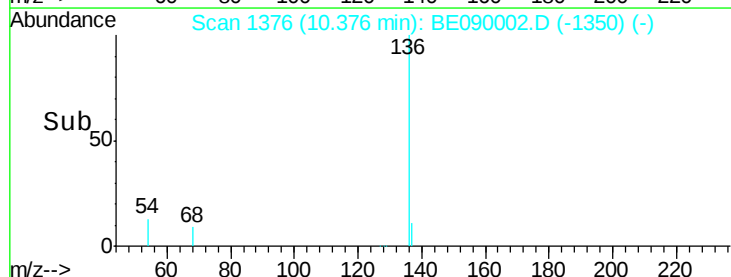
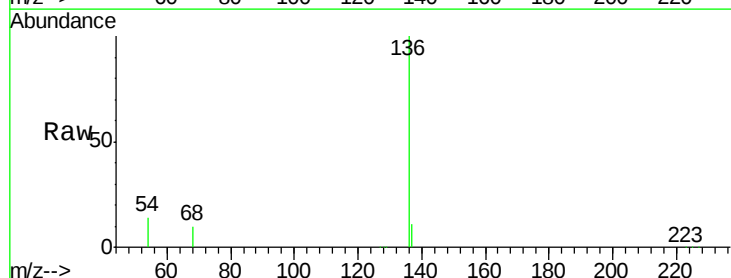
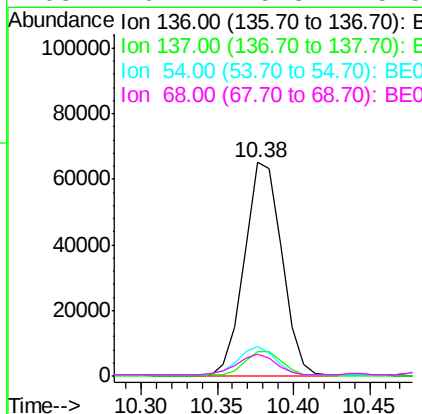
RT: 10.38 min Scan# 1376

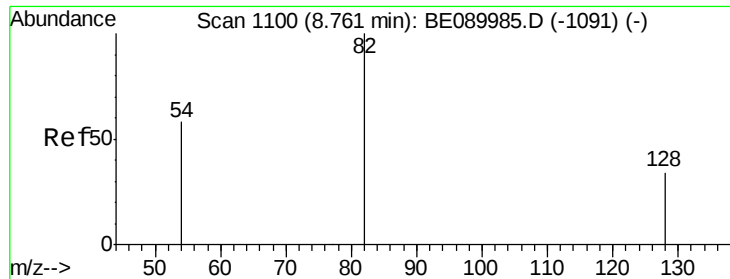
Delta R.T. -0.01 min

Lab File: BE090002.D

Acq: 30 Jun 2015 4:44

Tgt Ion:	136	Resp:	110813
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	13.6	8.2	12.4#
68	10.1	5.8	8.8#





#7

Nitrobenzene-d5

Concen: 4.75 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE090002.D

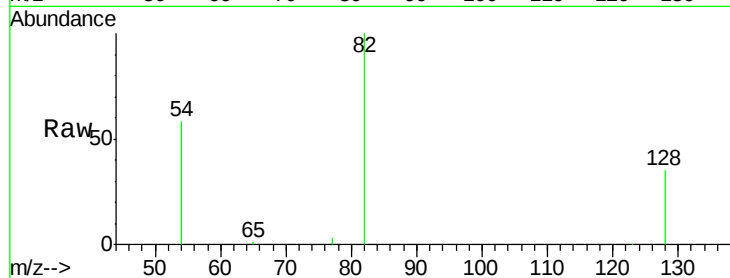
Acq: 30 Jun 2015 4:44

Instrument :

BNA_E

ClientSampleId :

X1SS0540006-150625



Tgt Ion: 82 Resp: 41788

Ion Ratio Lower Upper

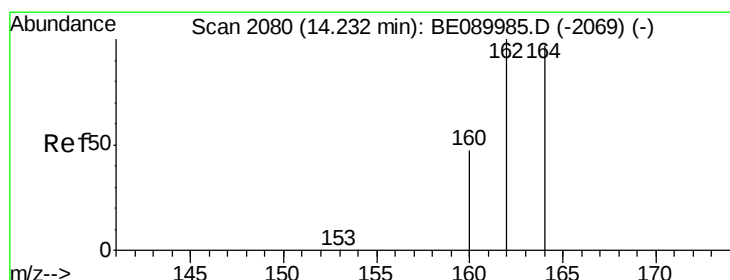
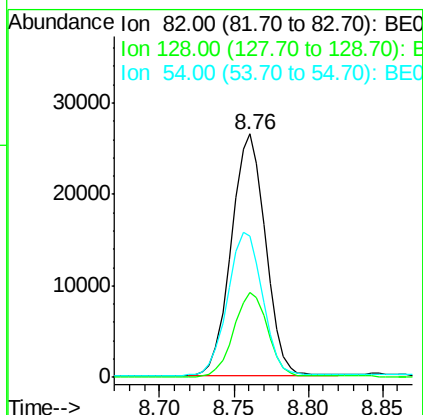
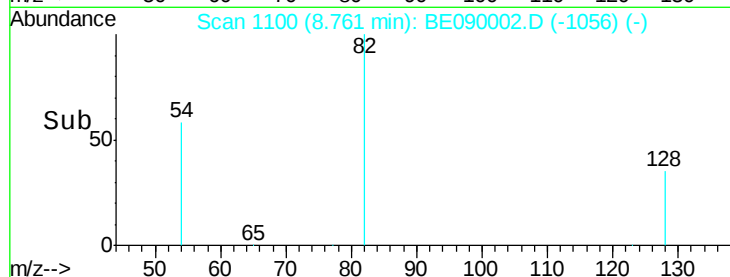
82 100

128 34.6 28.0 42.0

54 58.0 47.6 71.4

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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: BE090002.D

Acq: 30 Jun 2015 4:44

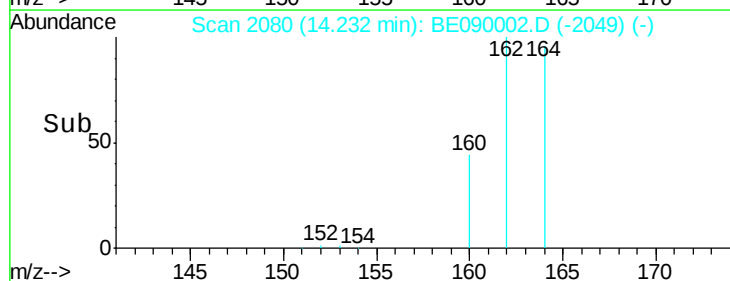
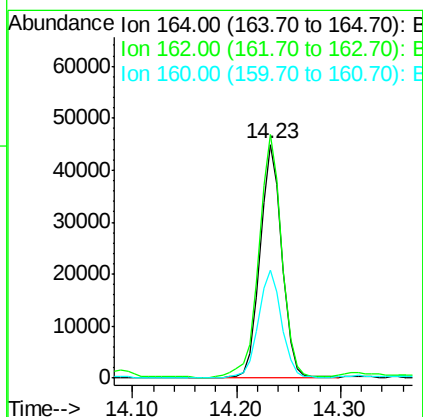
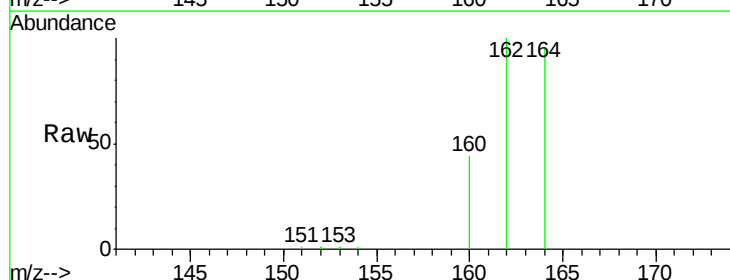
Tgt Ion: 164 Resp: 64894

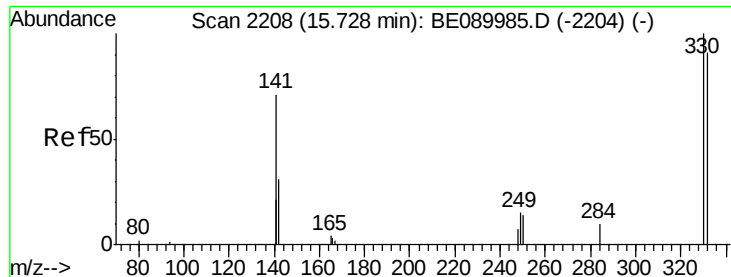
Ion Ratio Lower Upper

164 100

162 104.2 82.2 123.4

160 46.2 39.0 58.6





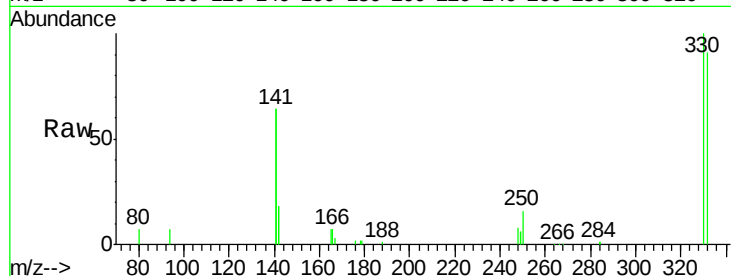
#13
 2,4,6-Tribromophenol
 Concen: 11.25 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090002.D
 Acq: 30 Jun 2015 4:44

Instrument :
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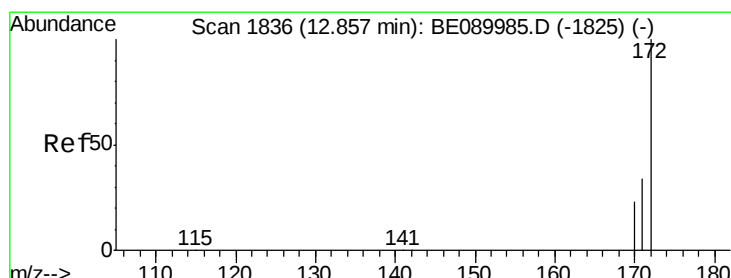
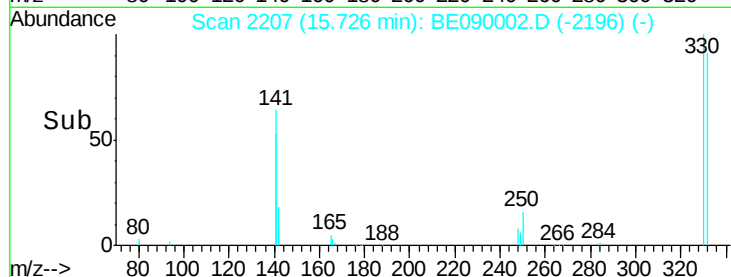
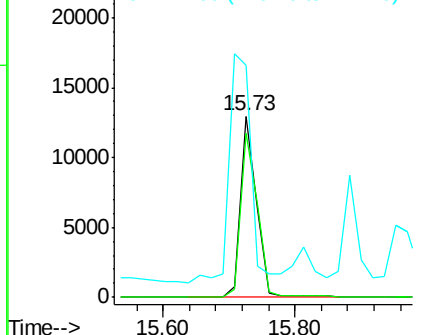
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	21401		
332	95.3	76.4	114.6	
141	170.5	130.3	195.5	

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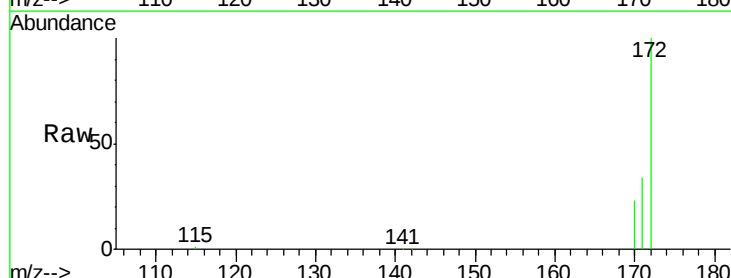


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

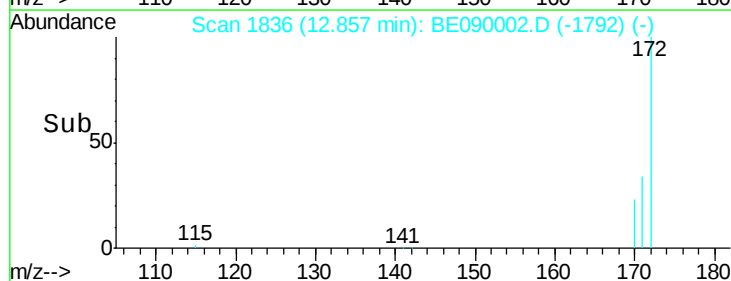
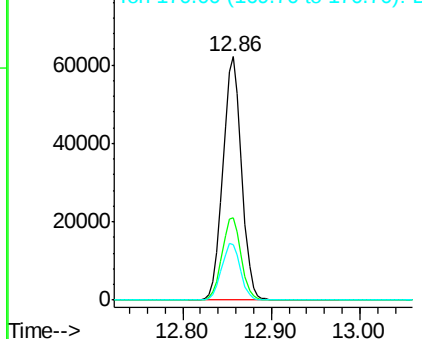


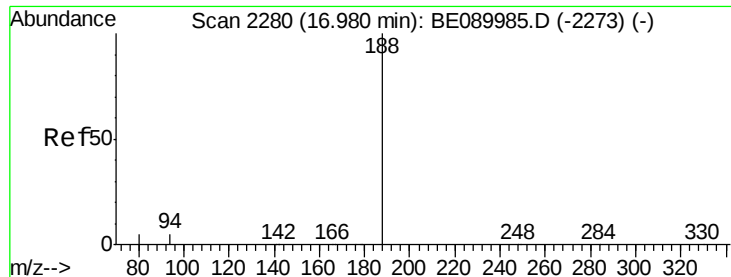
#14
 2-Fluorobiphenyl
 Concen: 4.62 ng
 RT: 12.86 min Scan# 1836
 Delta R.T. 0.00 min
 Lab File: BE090002.D
 Acq: 30 Jun 2015 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	90174		
171	33.9	27.8	41.6	
170	22.7	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





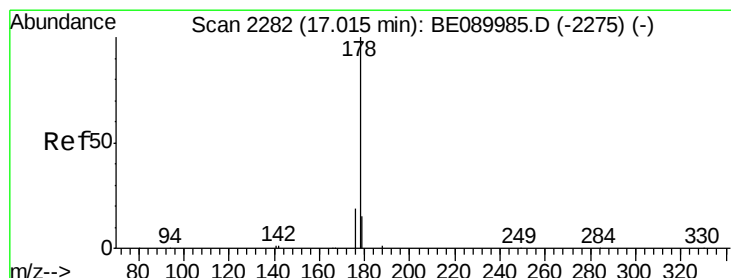
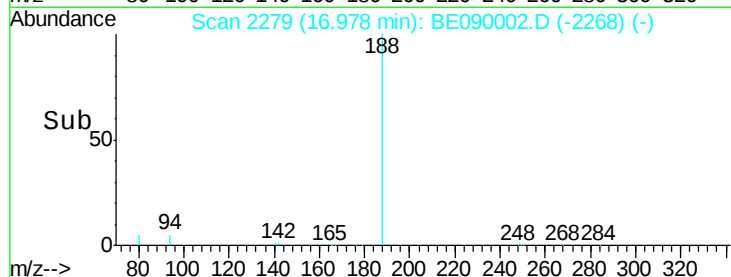
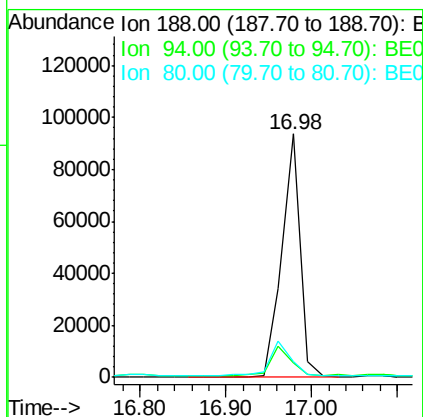
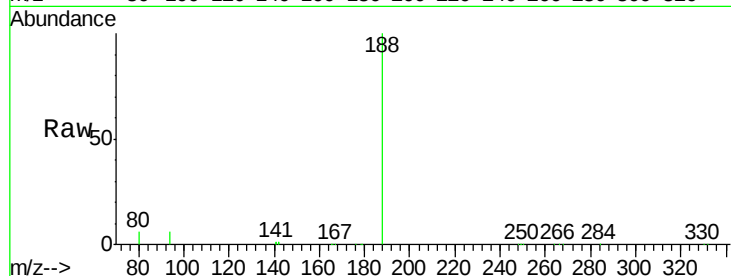
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BE090002.D
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Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	6.2	4.1	6.1#
80	6.4	4.2	6.2#

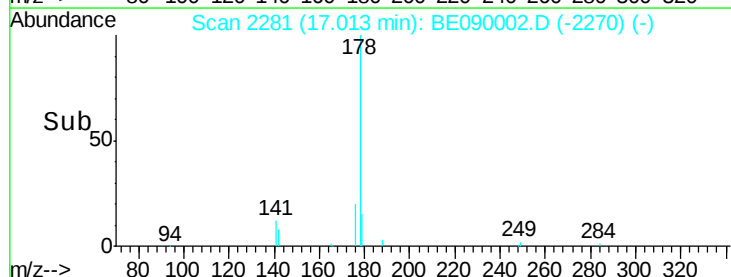
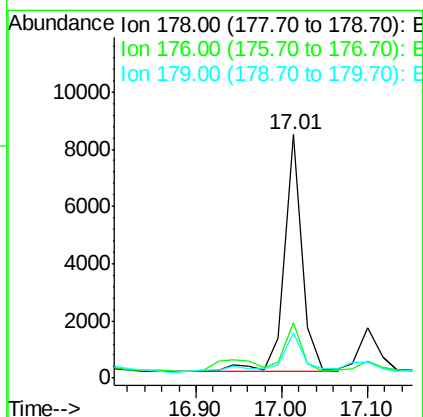
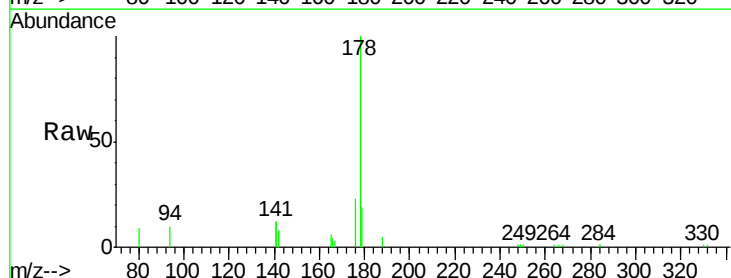
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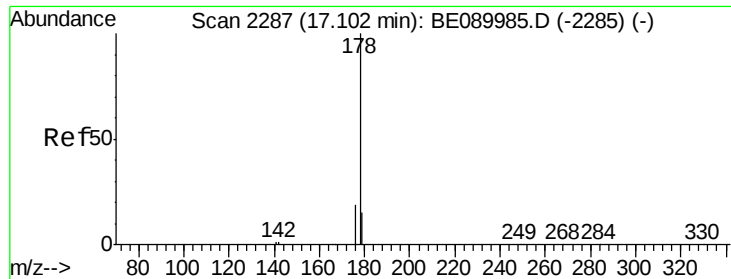
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#22
Phenanthrene
Concen: 0.34 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE090002.D
Acq: 30 Jun 2015 4:44

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.2	15.3	22.9
179	21.7	12.4	18.6#





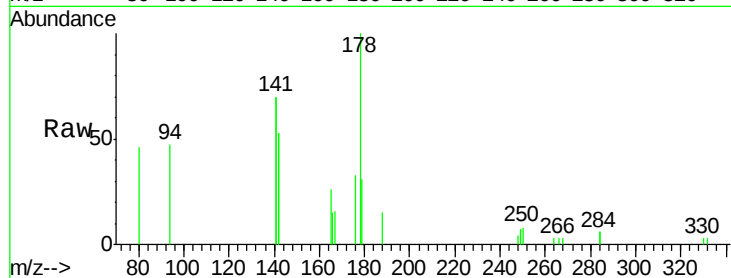
#23
 Anthracene
 Concen: 0.07 ng m
 RT: 17.10 min Scan# 2286
 Delta R.T. -0.00 min
 Lab File: BE090002.D
 Acq: 30 Jun 2015 4:44

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0540006-150625

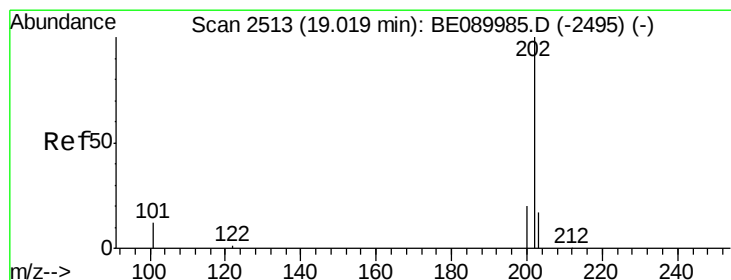
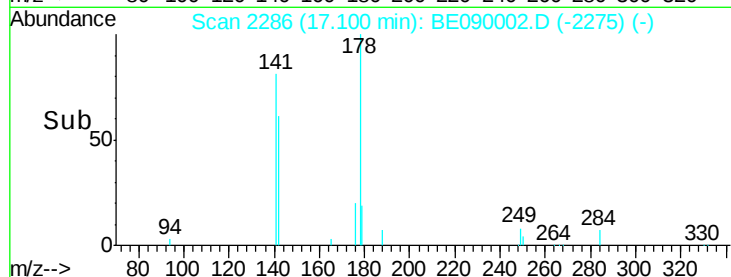
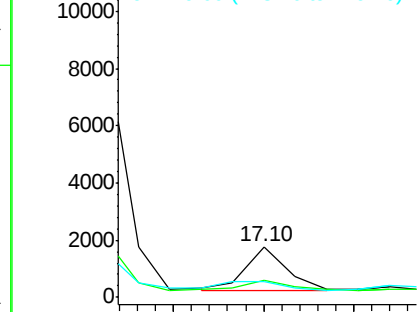
Tgt Ion	Ratio	Lower	Upper
178	100		
176	96.5	14.7	22.1#
179	72.3	12.1	18.1#

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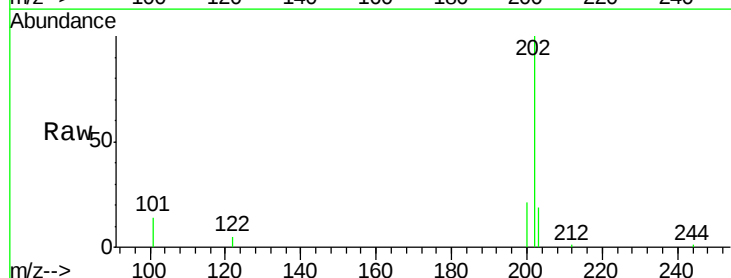


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

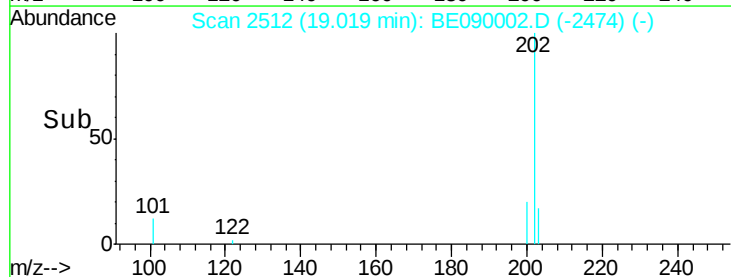
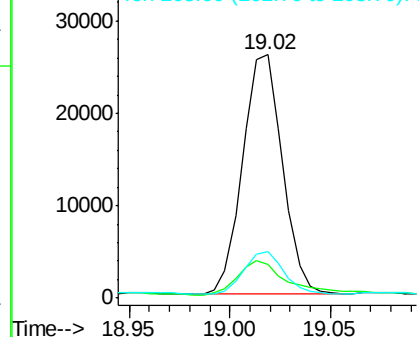


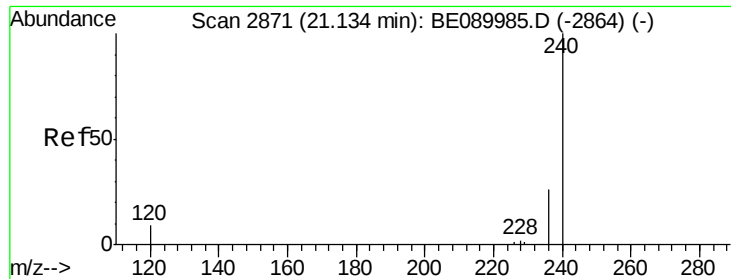
#24
 Fluoranthene
 Concen: 0.89 ng
 RT: 19.02 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BE090002.D
 Acq: 30 Jun 2015 4:44

Tgt Ion	Ratio	Lower	Upper
202	100		
101	18.7	10.6	15.8#
203	17.5	13.8	20.6



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. 0.00 min

Lab File: BE090002.D

Acq: 30 Jun 2015 4:44

Instrument :

BNA_E

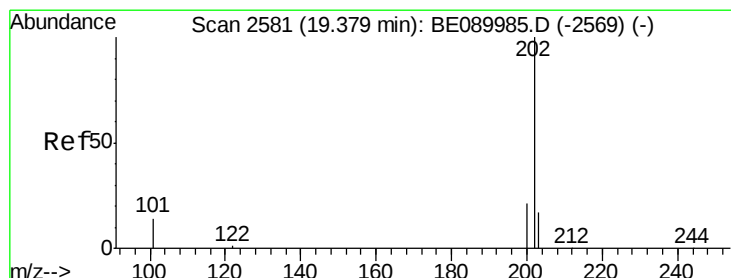
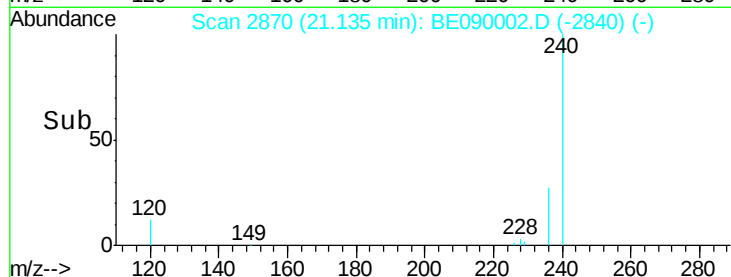
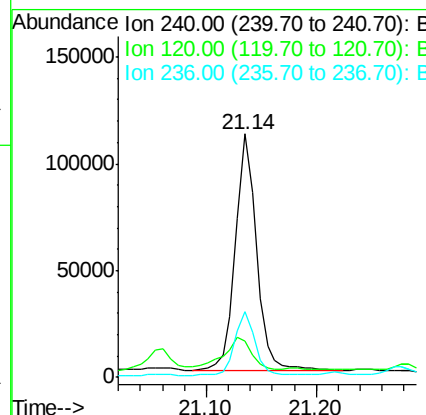
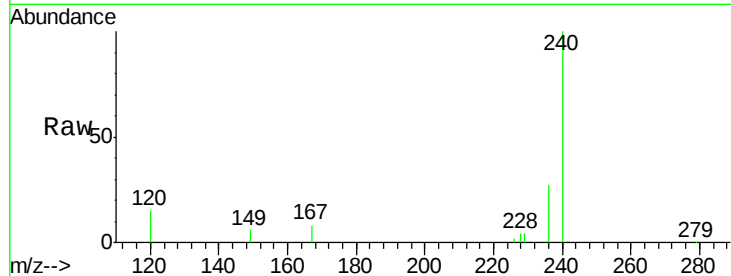
ClientSampleId :

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Tgt Ion:	240	Resp:	145758
Ion Ratio		Lower	Upper
240	100		
120	15.1	6.9	10.3#
236	26.7	20.8	31.2

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#26

Pyrene

Concen: 0.97 ng

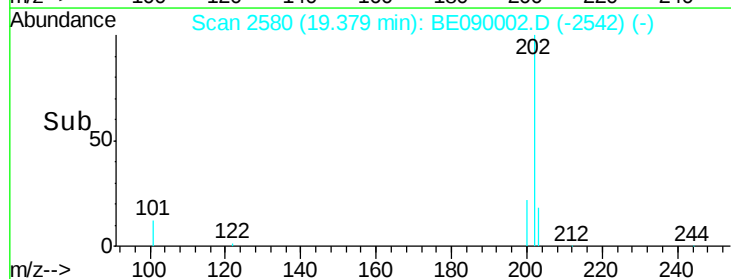
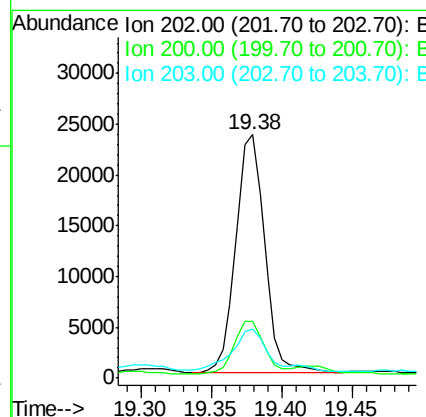
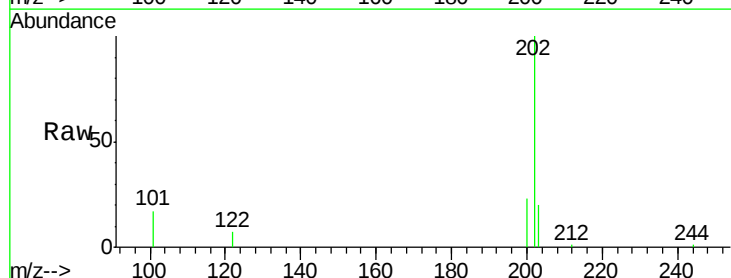
RT: 19.38 min Scan# 2580

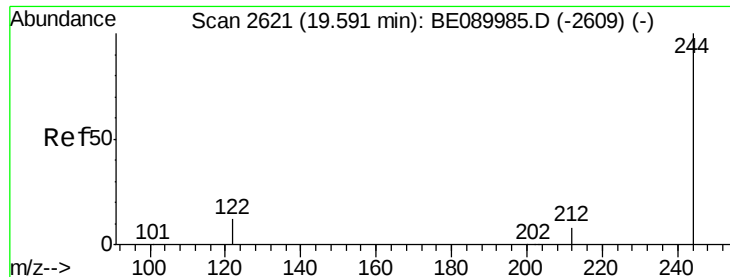
Delta R.T. 0.00 min

Lab File: BE090002.D

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Tgt Ion:	202	Resp:	33612
Ion Ratio		Lower	Upper
202	100		
200	23.7	16.8	25.2
203	19.5	13.9	20.9





#27

Terphenyl-d14

Concen: 4.77 ng

RT: 19.59 min Scan# 2620

Delta R.T. 0.00 min

Lab File: BE090002.D

Acq: 30 Jun 2015 4:44

Instrument :

BNA_E

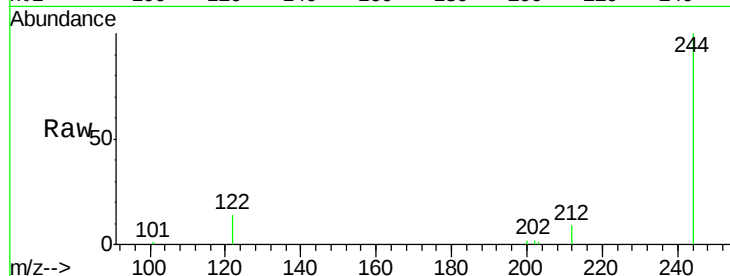
ClientSampleId :

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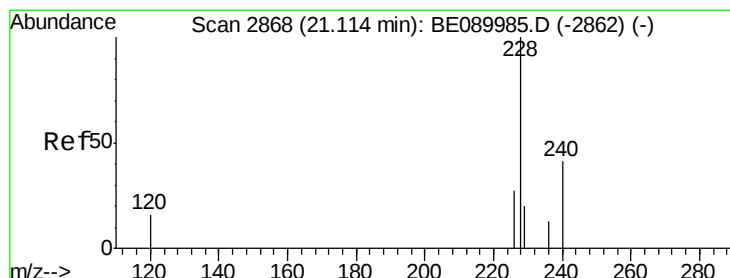
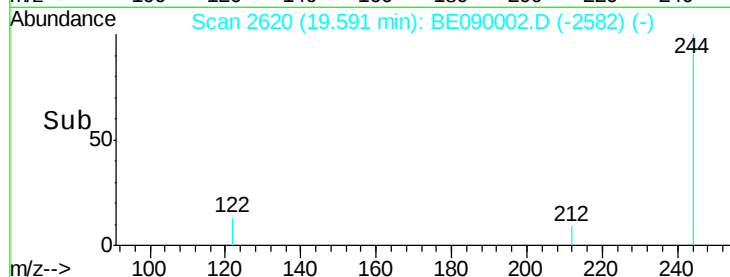
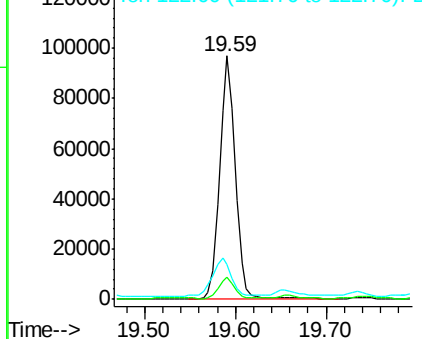
Tgt Ion:	244	Resp:	115859
Ion Ratio	Lower	Upper	
244	100		
212	8.9	6.6	9.8
122	14.4	9.8	14.8

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Benzo(a)anthracene

Concen: 0.61 ng

RT: 21.12 min Scan# 2868

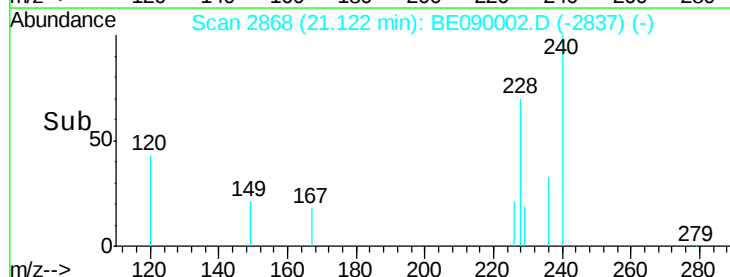
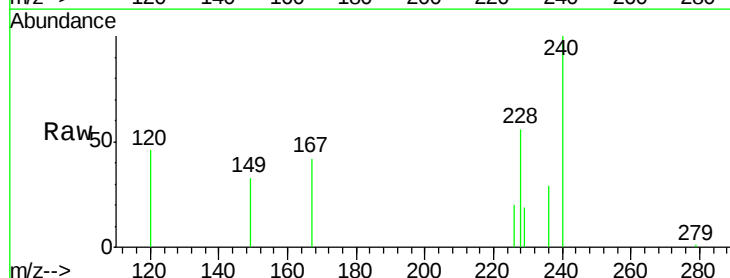
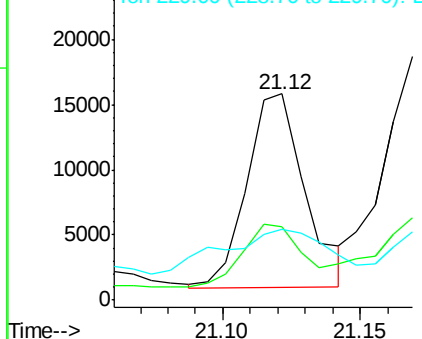
Delta R.T. 0.01 min

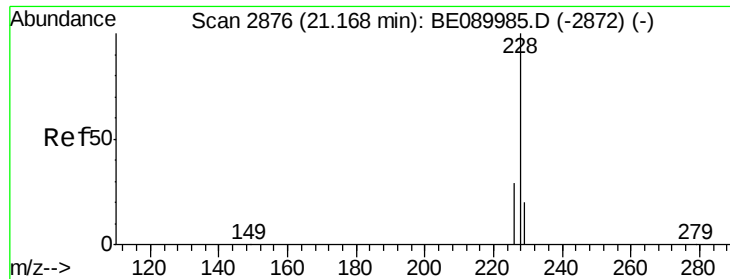
Lab File: BE090002.D

Acq: 30 Jun 2015 4:44

Tgt Ion:	228	Resp:	22065
Ion Ratio	Lower	Upper	
228	100		
226	35.5	21.8	32.6#
229	34.3	15.8	23.6#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





#29

Chrysene

Concen: 0.69 ng

RT: 21.17 min Scan# 2875

Delta R.T. 0.00 min

Lab File: BE090002.D

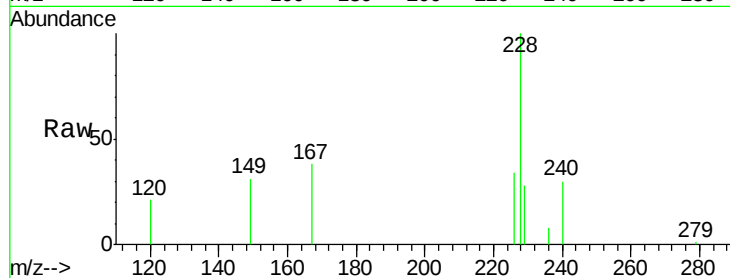
Acq: 30 Jun 2015 4:44

Instrument :

BNA_E

ClientSampleId :

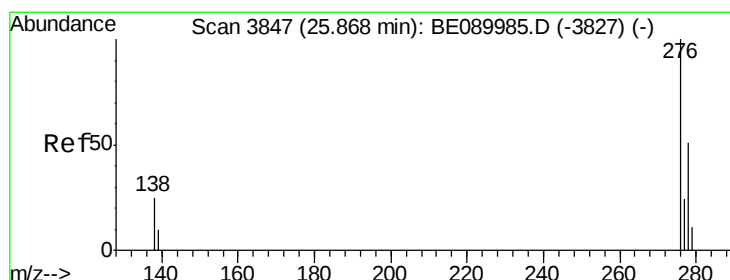
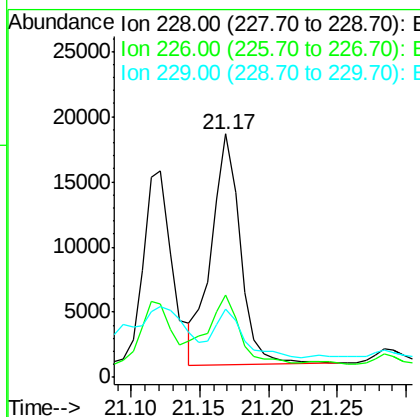
X1SS0540006-150625



Tgt Ion:	228	Resp:	26088
Ion Ratio	Lower	Upper	
228	100		
226	33.7	23.4	35.0
229	28.1	16.2	24.2#

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#31

Indeno(1,2,3-cd)pyrene

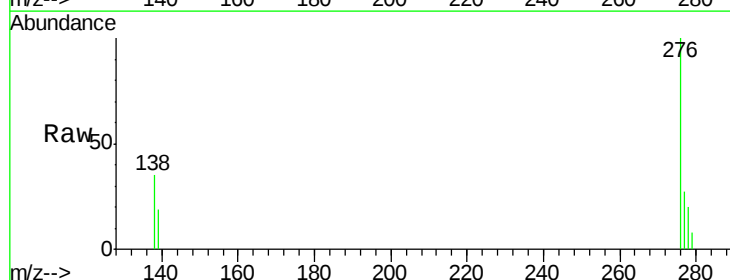
Concen: 0.49 ng

RT: 25.87 min Scan# 3847

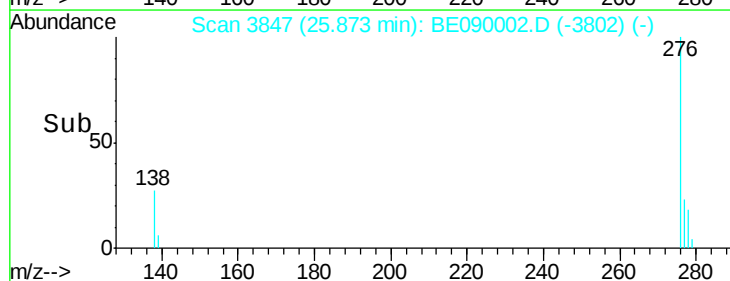
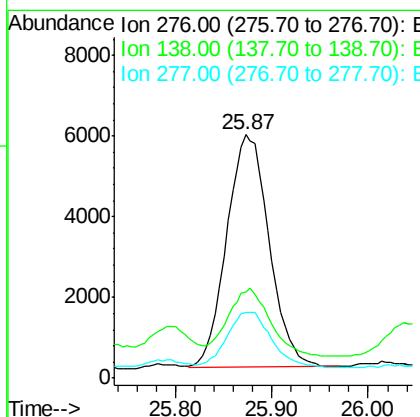
Delta R.T. 0.00 min

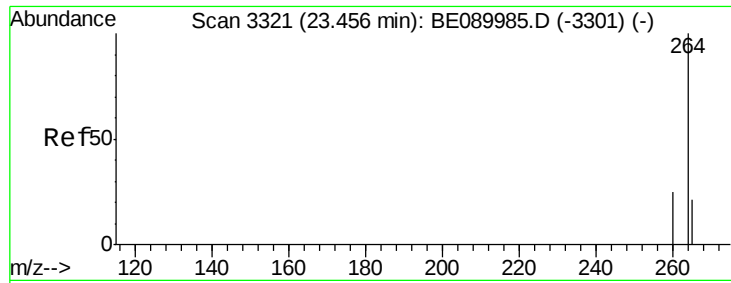
Lab File: BE090002.D

Acq: 30 Jun 2015 4:44



Tgt Ion:	276	Resp:	17610
Ion Ratio	Lower	Upper	
276	100		
138	29.2	21.3	31.9
277	25.4	19.7	29.5





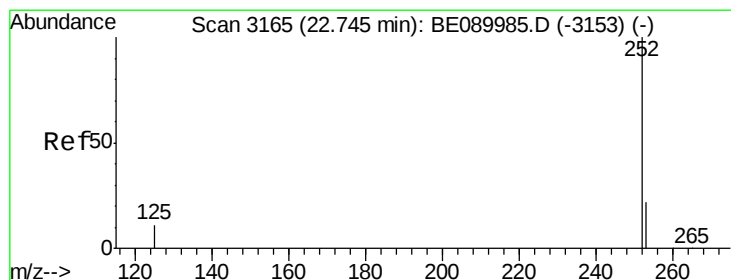
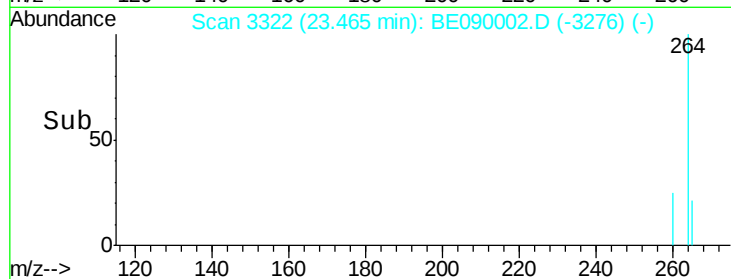
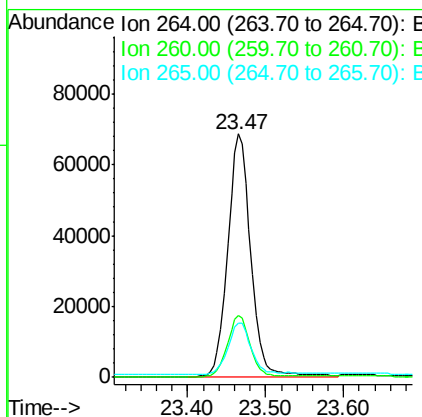
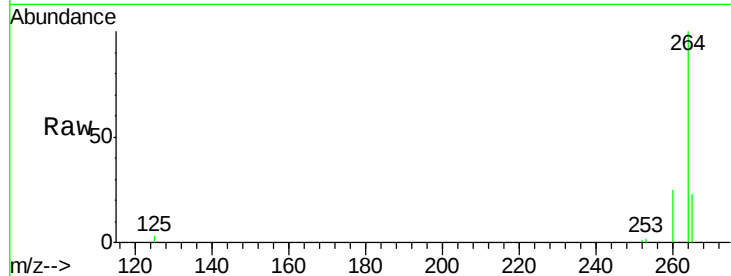
#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.47 min Scan# 3322
 Delta R.T. 0.01 min
 Lab File: BE090002.D
 Acq: 30 Jun 2015 4:44

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0540006-150625

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	139497		
260	25.3	20.2	30.2	
265	22.5	17.1	25.7	

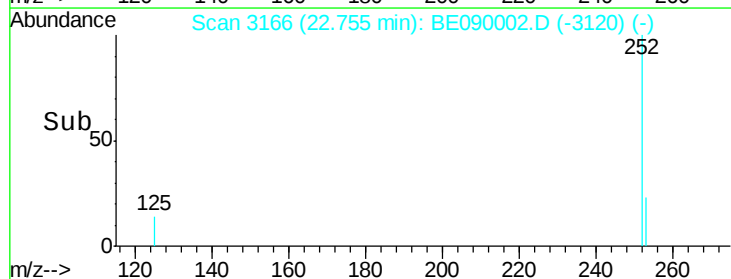
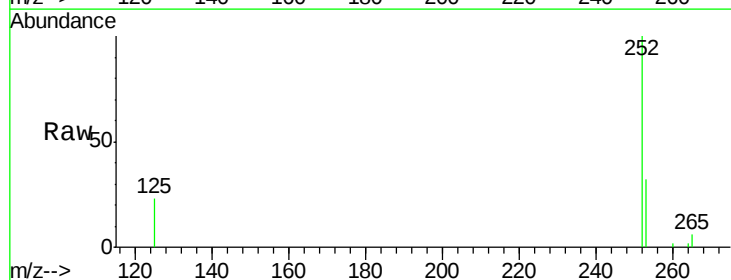
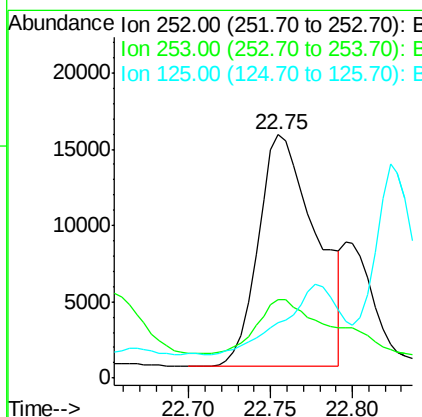
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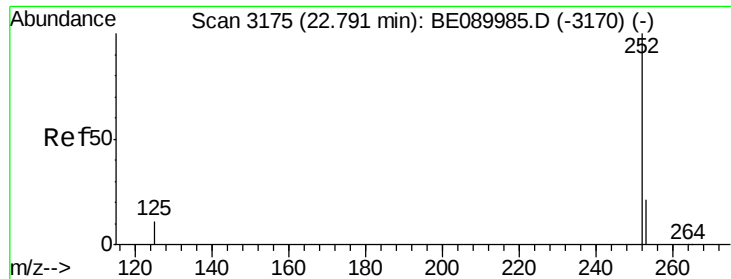
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#33
 Benzo(b)fluoranthene
 Concen: 1.21 ng
 RT: 22.75 min Scan# 3166
 Delta R.T. 0.01 min
 Lab File: BE090002.D
 Acq: 30 Jun 2015 4:44

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	37378		
253	32.3	17.8	26.8#	
125	22.5	9.0	13.4#	





#34

Benzo(k)fluoranthene

Concen: 0.33 ng m

RT: 22.80 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BE090002.D

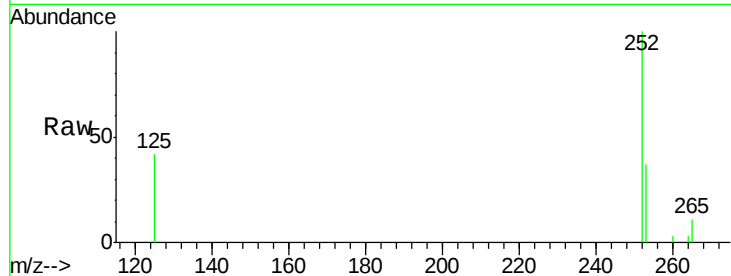
Acq: 30 Jun 2015 4:44

Instrument :

BNA_E

ClientSampleId :

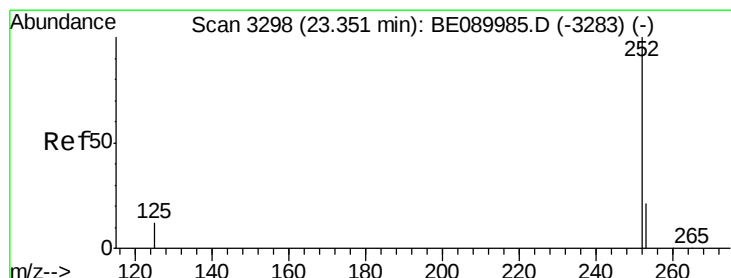
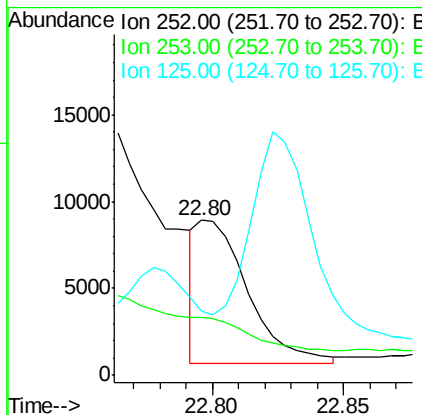
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	37.3	17.5	26.3#
125	41.7	9.5	14.3#

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#35

Benzo(a)pyrene

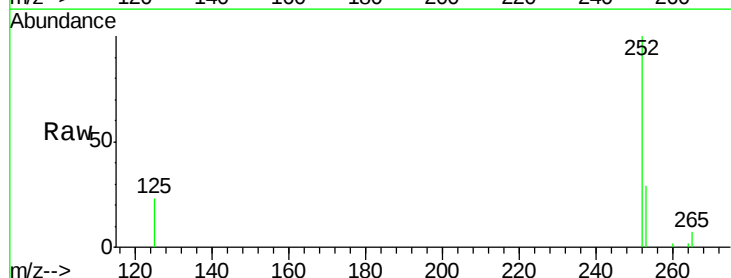
Concen: 0.82 ng

RT: 23.36 min Scan# 3299

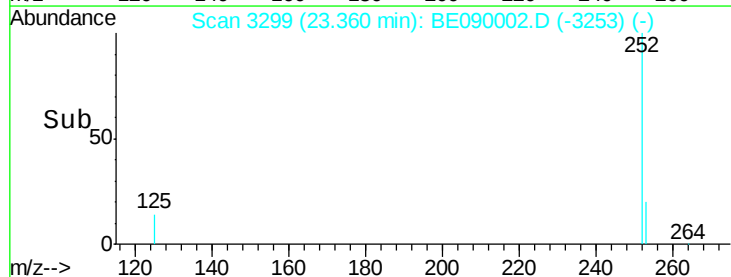
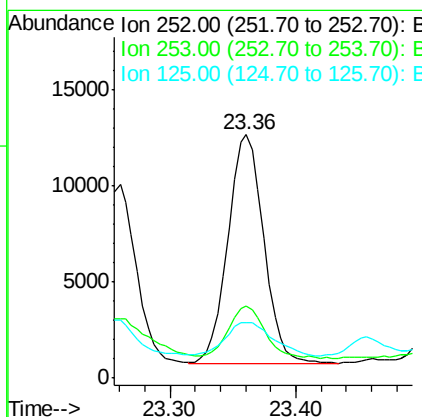
Delta R.T. 0.01 min

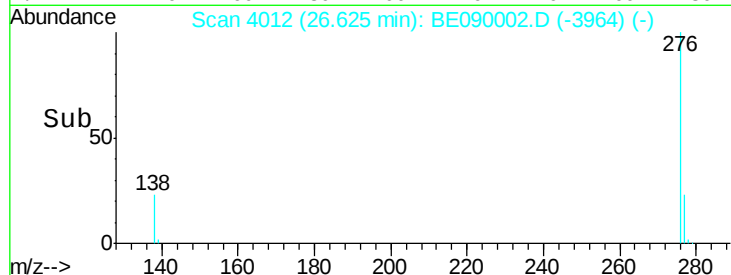
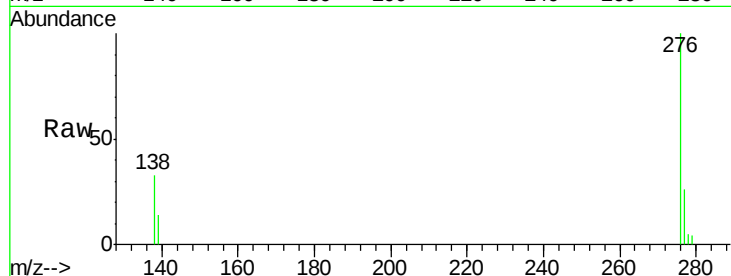
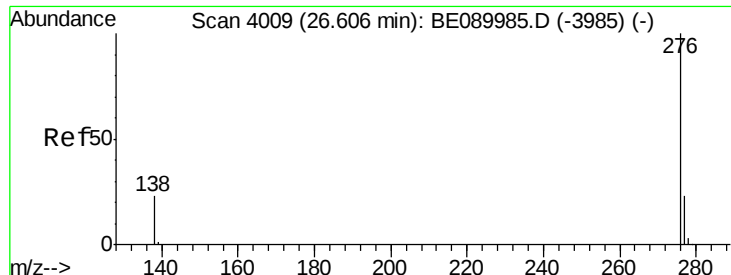
Lab File: BE090002.D

Acq: 30 Jun 2015 4:44



Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.5	17.4	26.2#
125	22.7	10.5	15.7#





#37
 Benzo(g,h,i)perylene
 Concen: 0.62 ng
 RT: 26.62 min Scan# 4012
 Delta R.T. 0.02 min
 Lab File: BE090002.D
 Acq: 30 Jun 2015 4:44

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0540006-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	26.4	18.8	28.2
138	32.6	18.6	27.8

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