

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE089999.D
 Acq On : 30 Jun 2015 2:56
 Operator : TP/IZ
 Sample : G2810-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0550006-150625

Manual Integrations
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 6/30/2015 4:54:48 PM

Quant Time: Jun 30 07:49:42 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	19928	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	87176	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	51567	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	121612	5.00	ng	0.00
25) Chrysene-d12	21.13	240	150465	5.00	ng	0.00
32) Perylene-d12	23.45	264	148455	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	33459	7.31	ng	0.00
5) Phenol-d6	6.80	99	50232	7.84	ng	0.00
7) Nitrobenzene-d5	8.76	82	30929	4.47	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	10422	6.90	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	73197	4.72	ng	0.00
27) Terphenyl-d14	19.59	244	123633	4.93	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.43	128	4177	0.21	ng	97
11) 2-Methylnaphthalene	12.04	142	891	0.07	ng	94
16) Acenaphthene	14.29	154	3183	0.24	ng	95
17) Fluorene	15.29	166	3284	0.18	ng	# 95
22) Phenanthrene	17.01	178	230993	7.41	ng	100
23) Anthracene	17.10	178	47672m	1.67	ng	
24) Fluoranthene	19.01	202	452942	13.02	ng	99
26) Pyrene	19.37	202	379669	10.59	ng	97
28) Benzo(a)anthracene	21.11	228	227612	6.06	ng	99
29) Chrysene	21.16	228	245536	6.29	ng	97
31) Indeno(1,2,3-cd)pyrene	25.86	276	91470	2.44	ng	96
33) Benzo(b)fluoranthene	22.75	252	259085	7.91	ng	99
34) Benzo(k)fluoranthene	22.79	252	107529m	2.94	ng	
35) Benzo(a)pyrene	23.35	252	163597	5.41	ng	99
36) Dibenzo(a,h)anthracene	25.87	278	24626	0.79	ng	98
37) Benzo(g,h,i)perylene	26.60	276	87421	2.78	ng	99

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

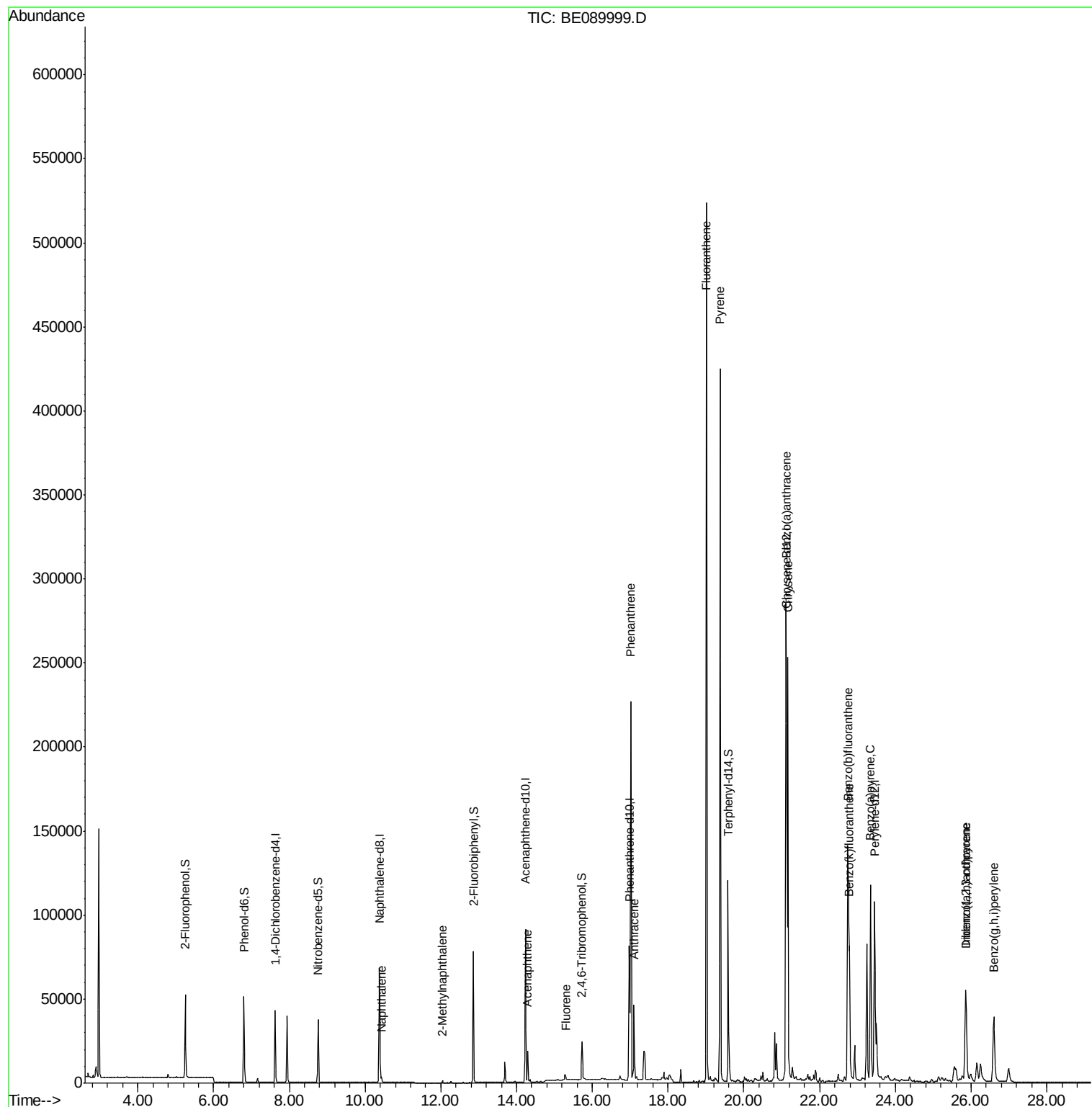
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
Data File : BE089999.D
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Sample : G2810-15
Misc :
ALS Vial : 17 Sample Multiplier: 1

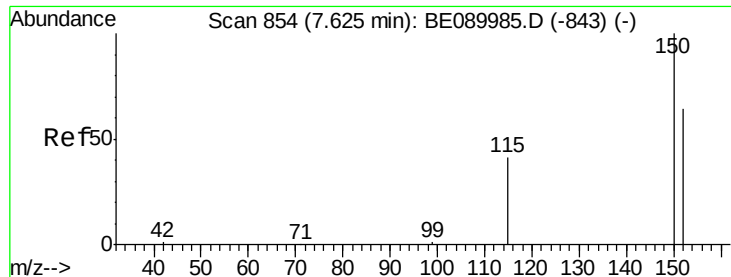
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 854

Delta R.T. -0.00 min

Lab File: BE089999.D

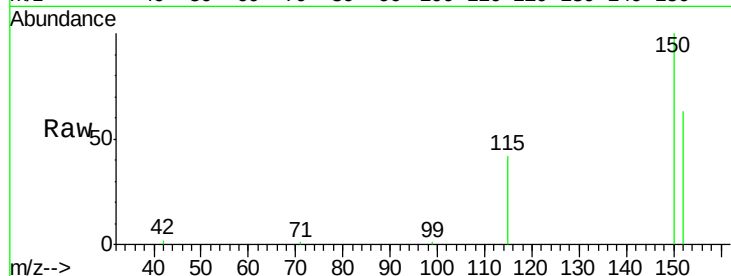
Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

ClientSampleId :

X1SS0550006-150625



Tgt Ion:152 Resp: 19928

Ion Ratio Lower Upper

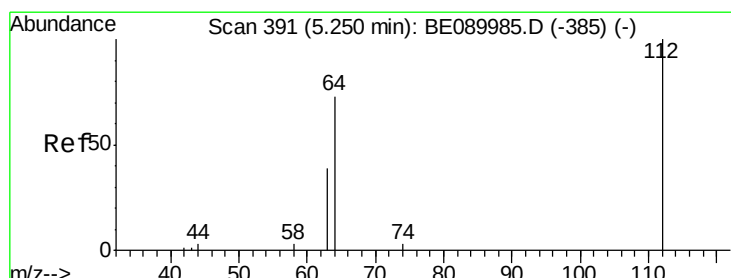
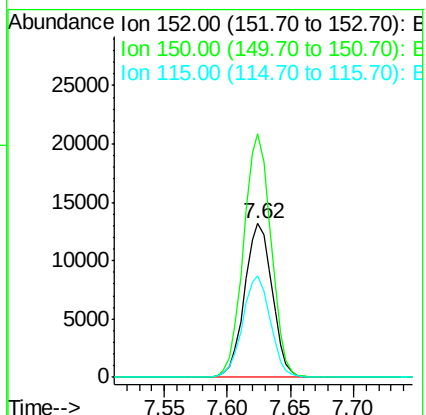
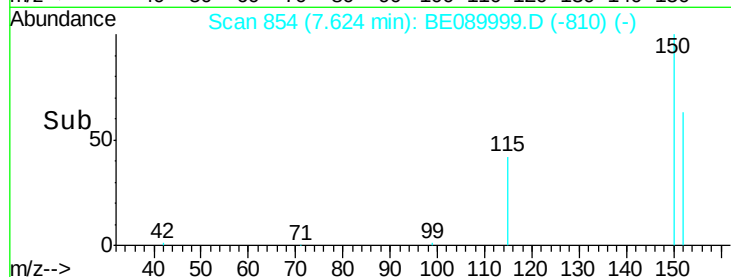
152 100

150 158.6 123.9 185.9

115 66.3 50.6 76.0

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#4

2-Fluorophenol

Concen: 7.31 ng

RT: 5.25 min Scan# 391

Delta R.T. 0.00 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56

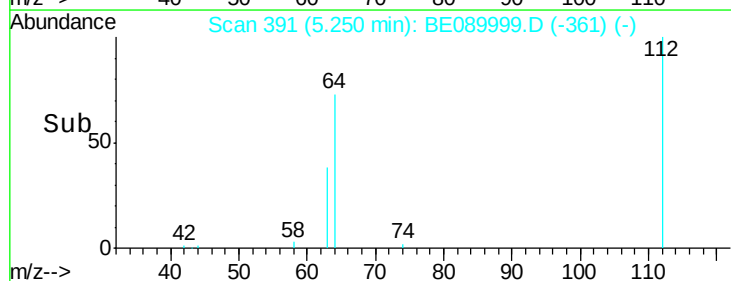
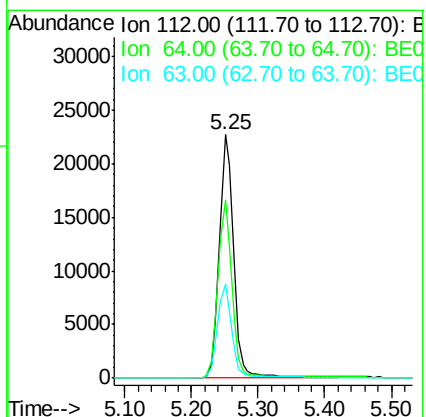
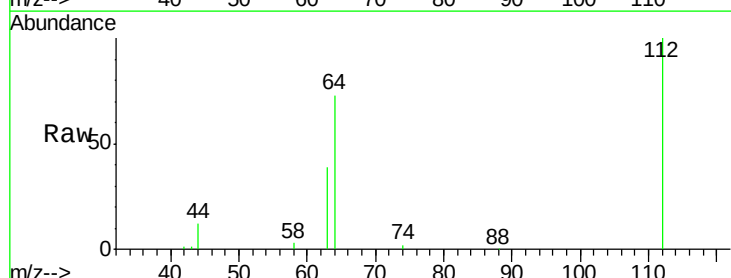
Tgt Ion:112 Resp: 33459

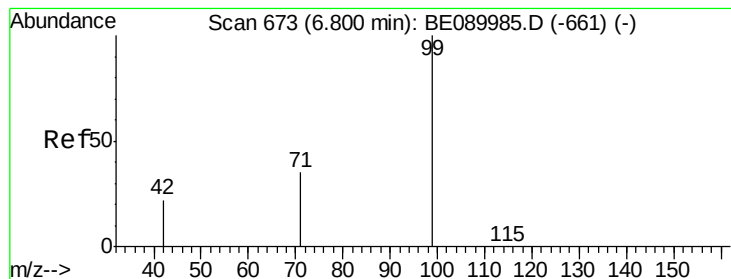
Ion Ratio Lower Upper

112 100

64 72.1 56.3 84.5

63 37.8 29.8 44.6





#5

Phenol-d6

Concen: 7.84 ng

RT: 6.80 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

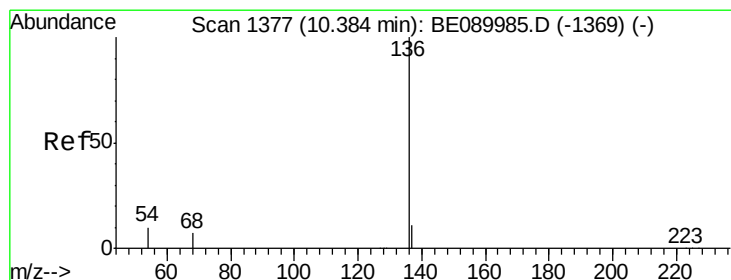
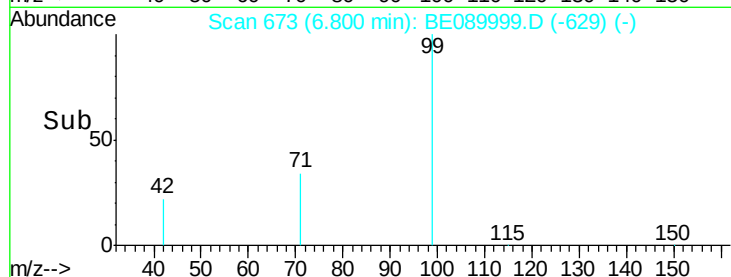
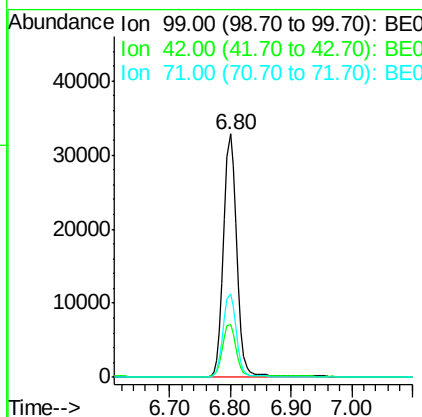
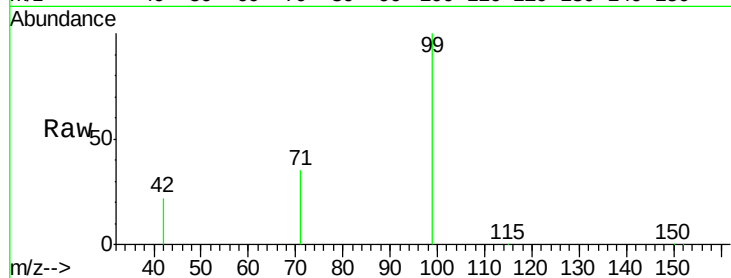
ClientSampleId :

X1SS0550006-150625

Tgt Ion:	99	Resp:	50232
Ion Ratio	Lower	Upper	
99	100		
42	22.0	18.7	28.1
71	34.2	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

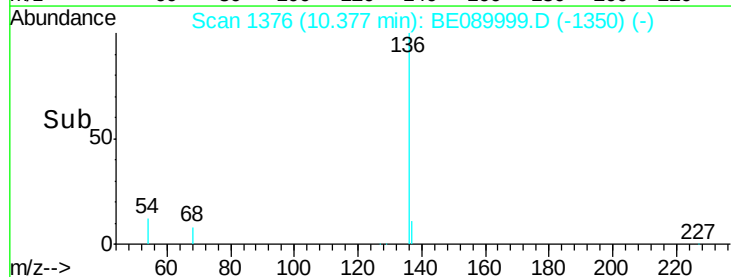
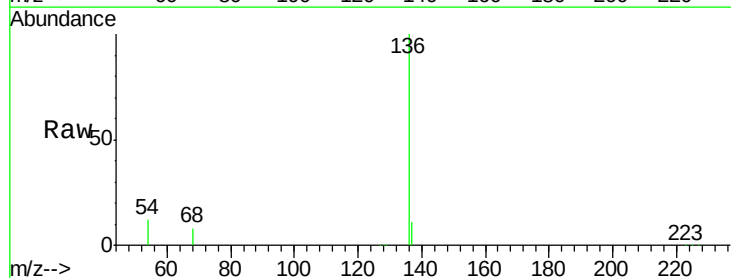
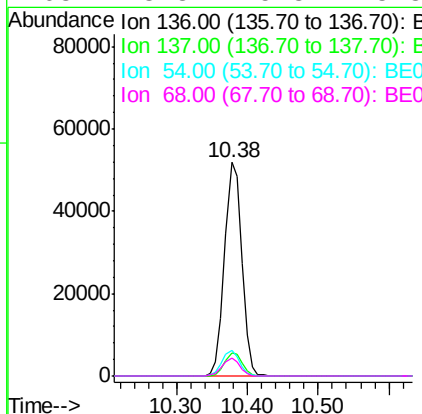
RT: 10.38 min Scan# 1376

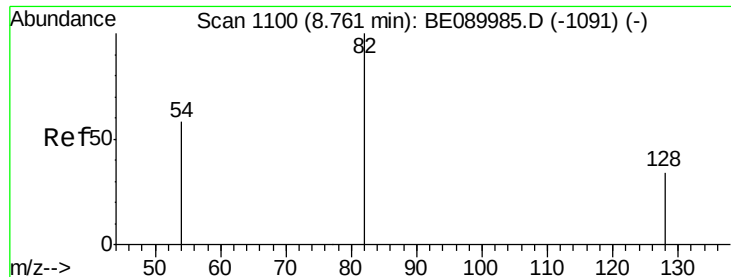
Delta R.T. -0.01 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56

Tgt Ion:	136	Resp:	87176
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	12.3	8.2	12.4
68	8.3	5.8	8.8





#7

Nitrobenzene-d5

Concen: 4.47 ng

RT: 8.76 min Scan# 1100

Delta R.T. 0.00 min

Lab File: BE089999.D

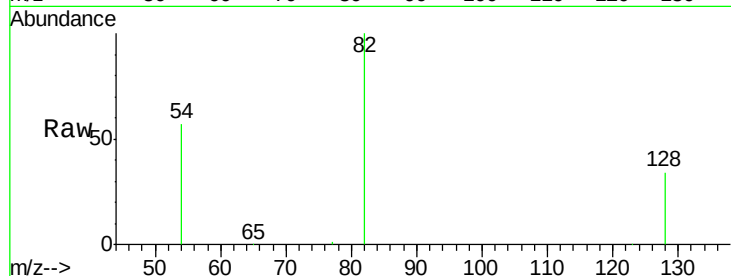
Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

ClientSampleId :

X1SS0550006-150625



Tgt Ion: 82 Resp: 30929

Ion Ratio Lower Upper

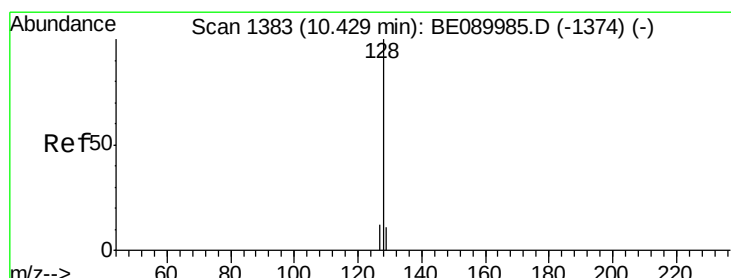
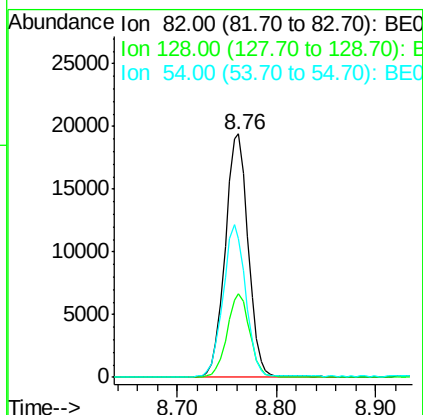
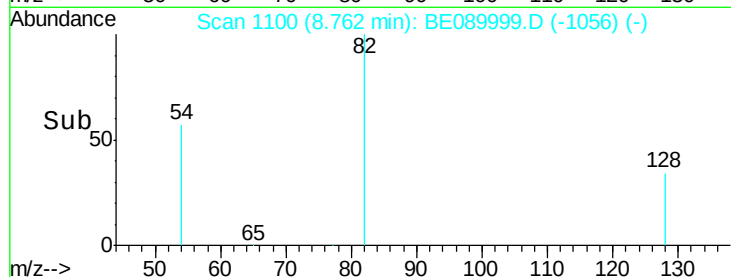
82 100

128 34.5 28.0 42.0

54 56.9 47.6 71.4

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#9

Naphthalene

Concen: 0.21 ng

RT: 10.43 min Scan# 1383

Delta R.T. 0.00 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56

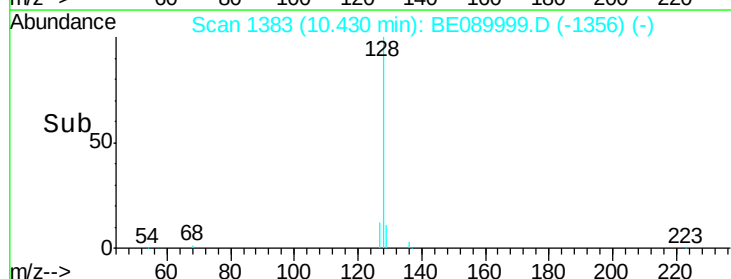
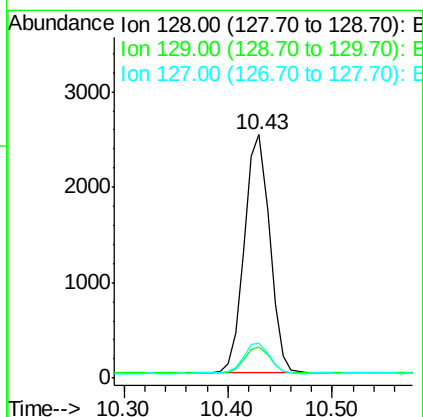
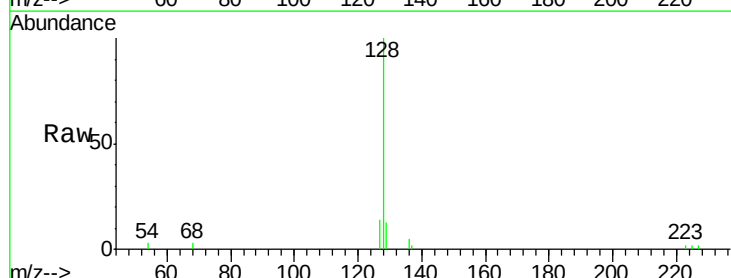
Tgt Ion: 128 Resp: 4177

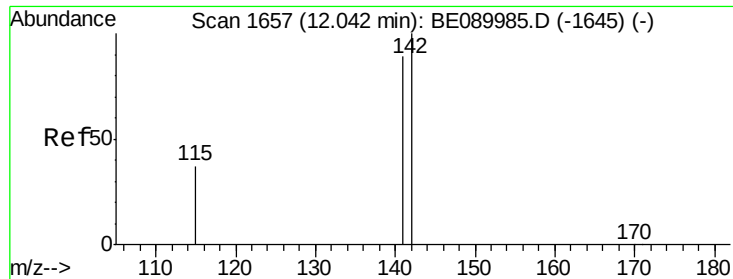
Ion Ratio Lower Upper

128 100

129 12.7 9.3 13.9

127 14.2 10.2 15.4





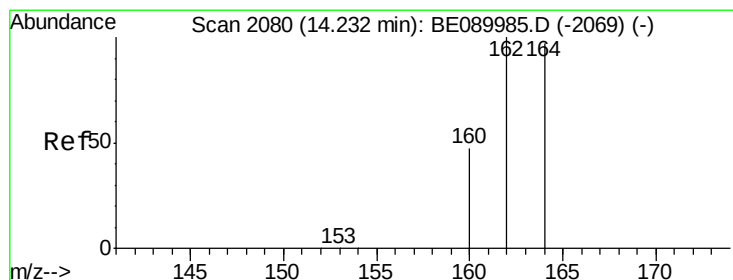
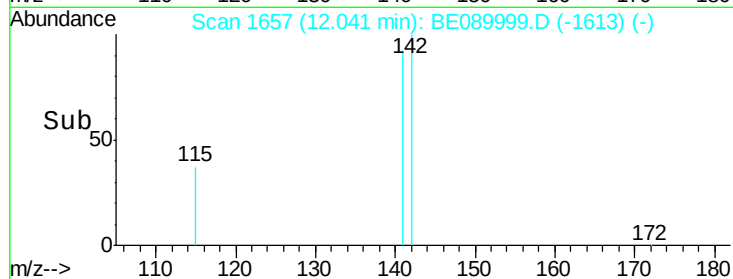
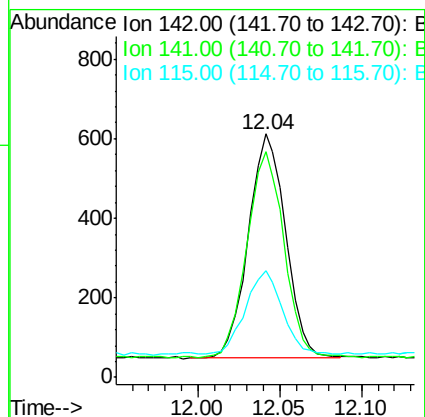
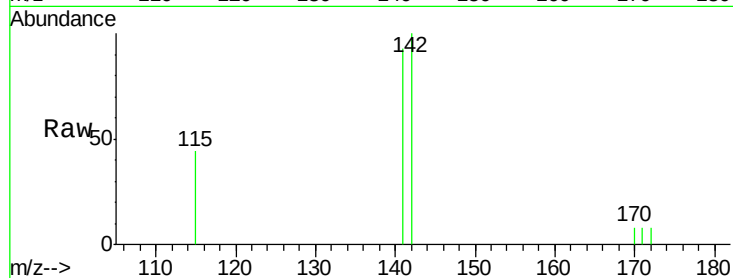
#11
2-Methylnaphthalene
Concen: 0.07 ng
RT: 12.04 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE089999.D
Acq: 30 Jun 2015 2:56

Instrument :
BNA_E
ClientSampleId :
X1SS0550006-150625

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	71.3	106.9
115	43.8	30.4	45.6

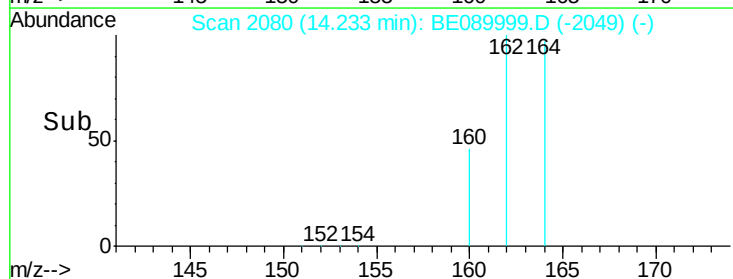
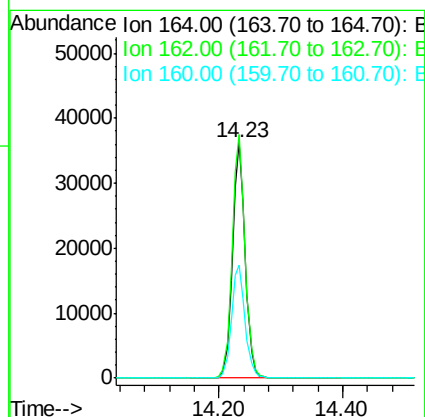
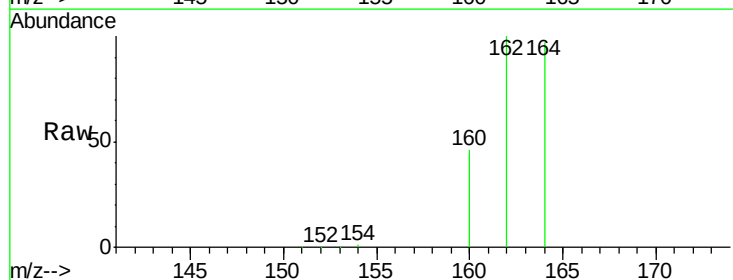
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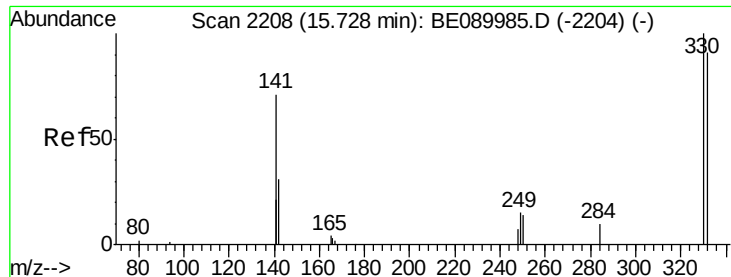
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2080
Delta R.T. 0.00 min
Lab File: BE089999.D
Acq: 30 Jun 2015 2:56

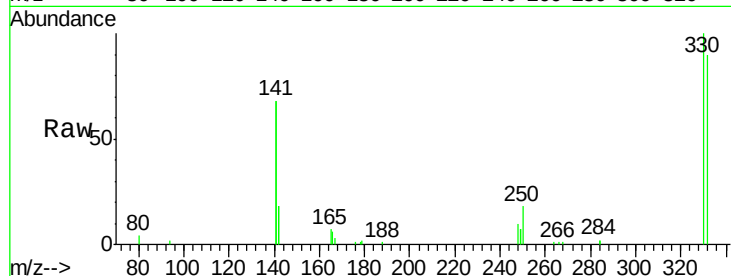
Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.4
160	47.9	39.0	58.6





#13
 2,4,6-Tribromophenol
 Concen: 6.90 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE089999.D
 Acq: 30 Jun 2015 2:56

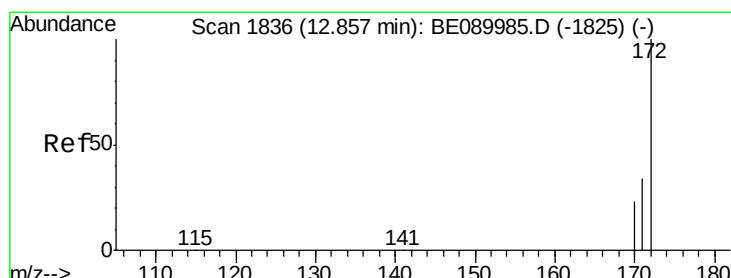
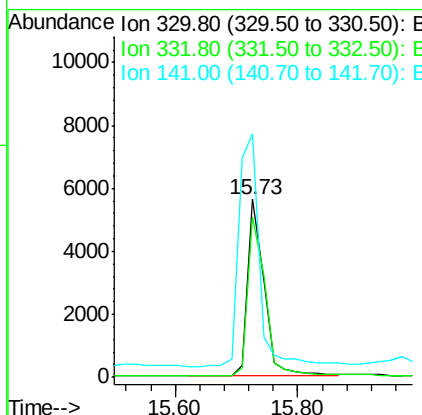
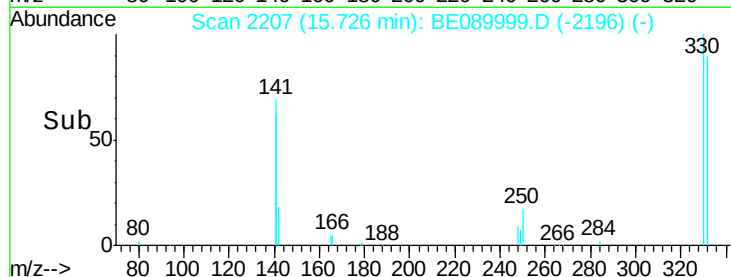
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0550006-150625



Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.4	114.6
141	166.1	130.3	195.5

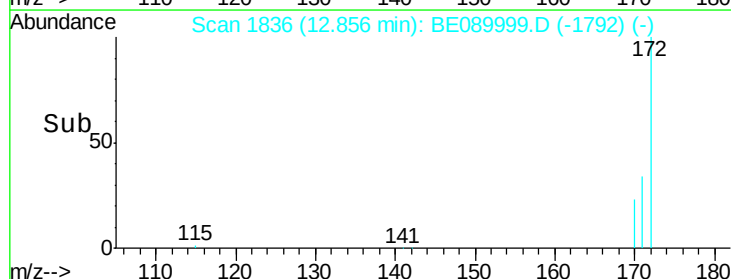
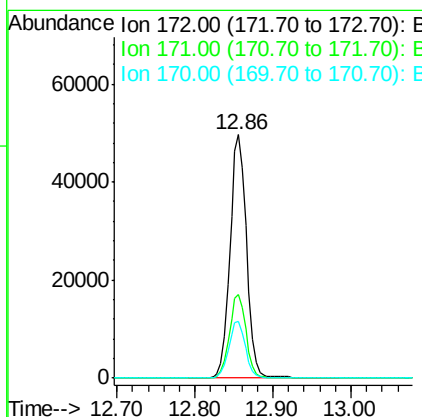
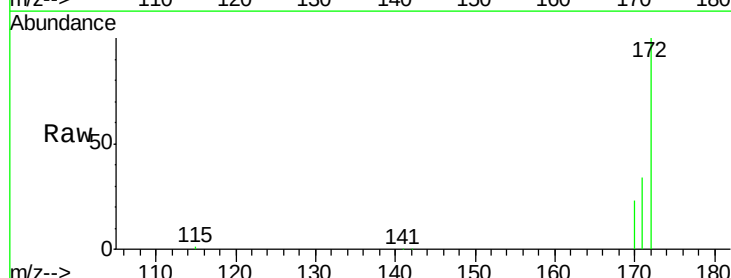
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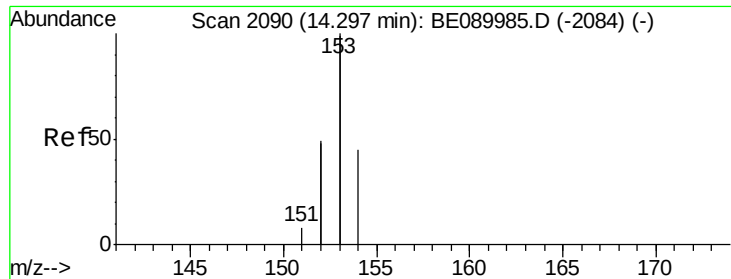
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#14
 2-Fluorobiphenyl
 Concen: 4.72 ng
 RT: 12.86 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BE089999.D
 Acq: 30 Jun 2015 2:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.8	41.6
170	23.3	18.3	27.5





#16

Acenaphthene

Concen: 0.24 ng

RT: 14.29 min Scan# 2089

Delta R.T. -0.01 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

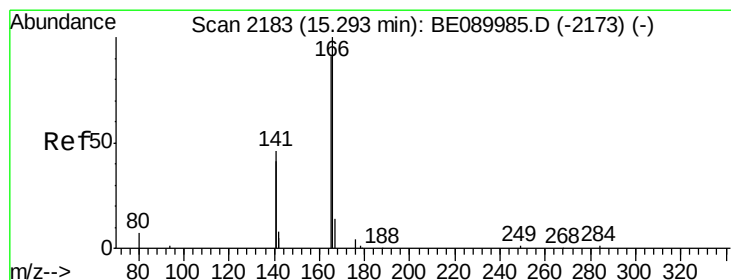
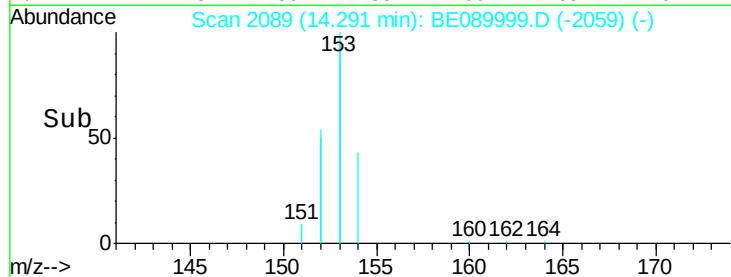
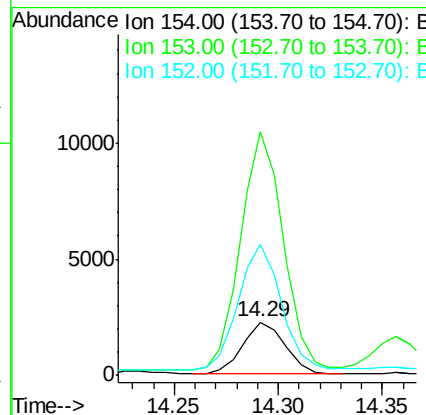
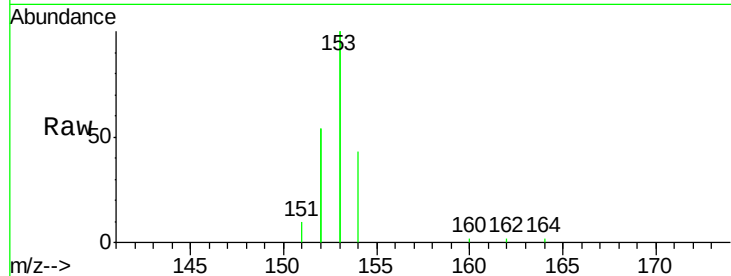
ClientSampleId :

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Tgt Ion:	154	Resp:	3183
Ion Ratio	Lower	Upper	
154	100		
153	459.2	358.6	538.0
152	245.5	189.6	284.4

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#17

Fluorene

Concen: 0.18 ng

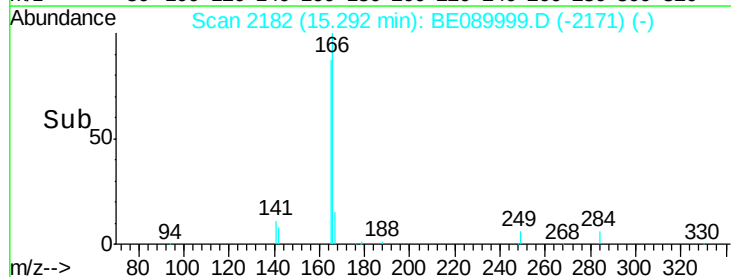
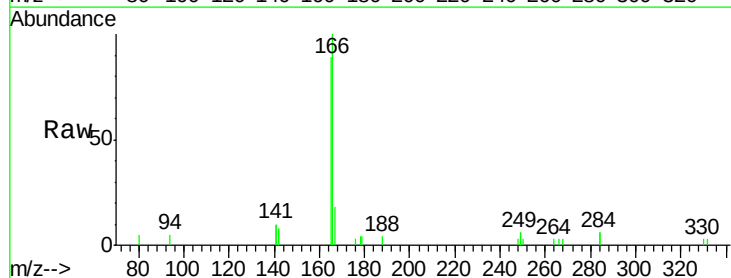
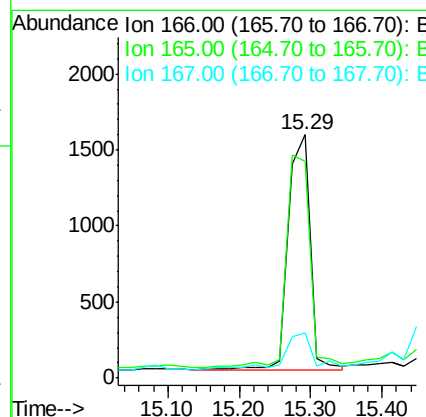
RT: 15.29 min Scan# 2182

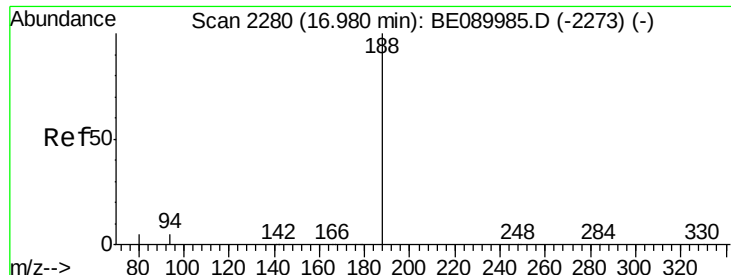
Delta R.T. -0.00 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56

Tgt Ion:	166	Resp:	3284
Ion Ratio	Lower	Upper	
166	100		
165	95.9	79.0	118.6
167	21.8	11.8	17.8#





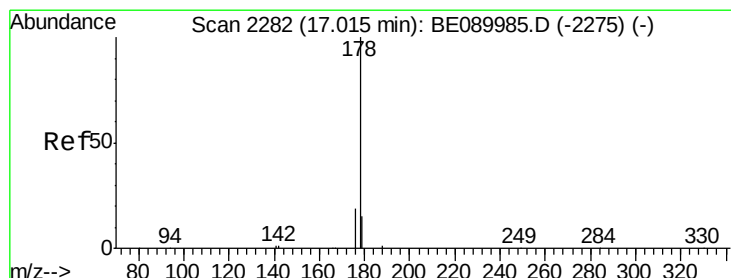
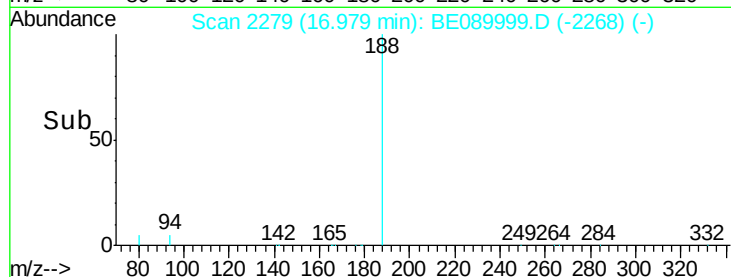
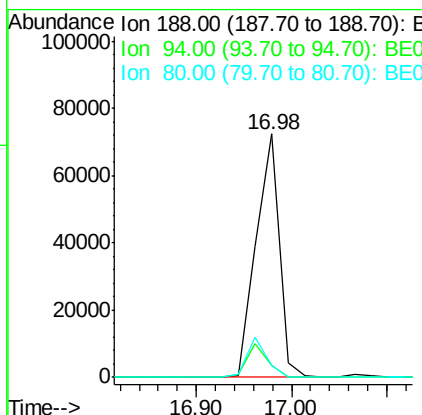
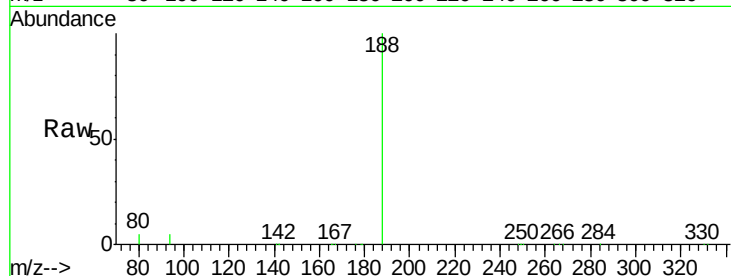
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 2279
Delta R.T. -0.00 min
Lab File: BE089999.D
Acq: 30 Jun 2015 2:56

Instrument :
BNA_E
ClientSampleId :
X1SS0550006-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	4.8	4.1	6.1
80	4.8	4.2	6.2

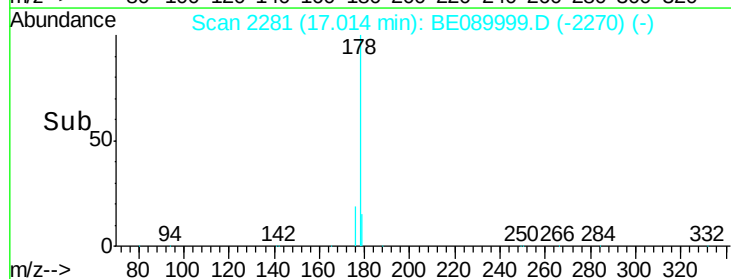
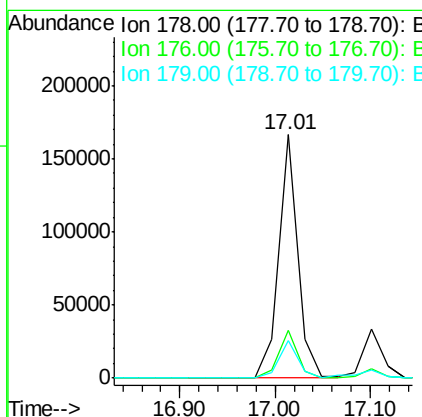
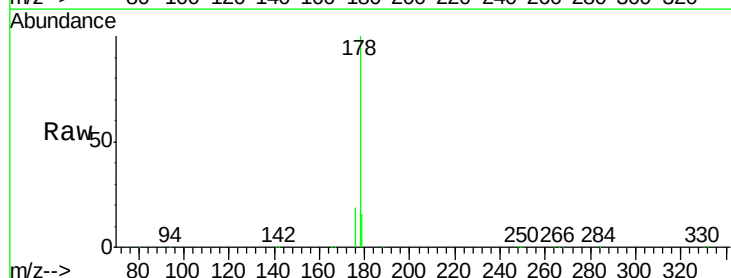
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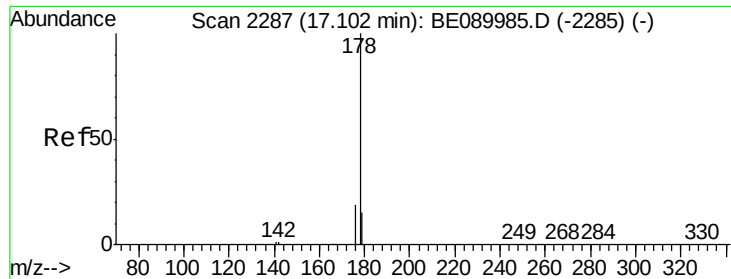
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#22
Phenanthrene
Concen: 7.41 ng
RT: 17.01 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BE089999.D
Acq: 30 Jun 2015 2:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.4	18.6





#23

Anthracene

Concen: 1.67 ng m

RT: 17.10 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BE089999.D

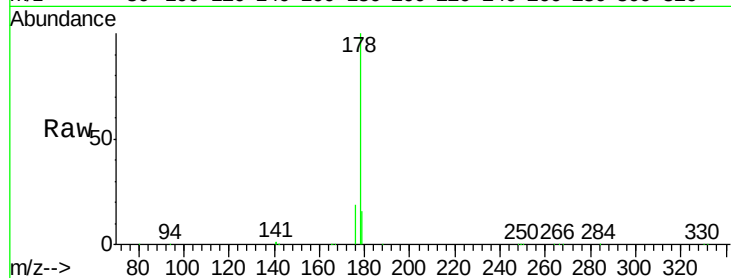
Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

ClientSampleId :

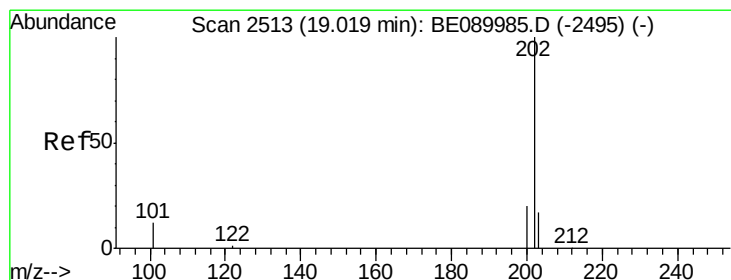
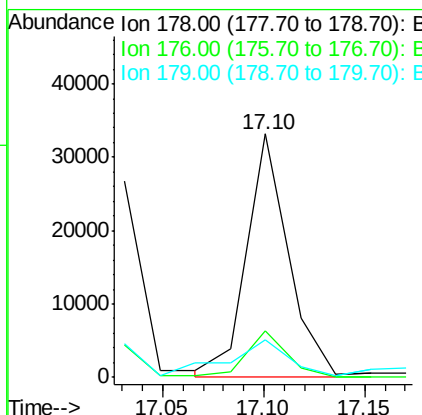
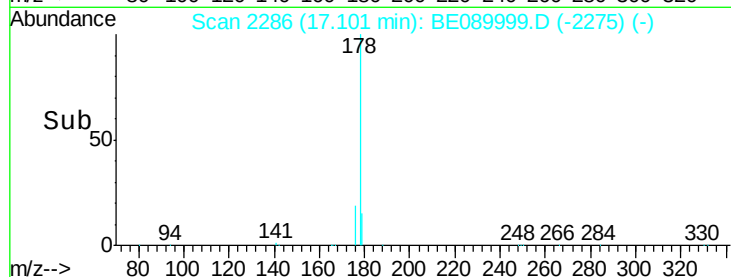
X1SS0550006-150625



Tgt Ion	Ratio	Lower	Upper
178	100		
176	93.6	14.7	22.1#
179	74.9	12.1	18.1#

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#24

Fluoranthene

Concen: 13.02 ng

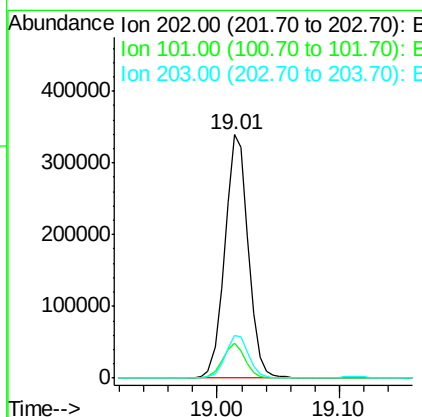
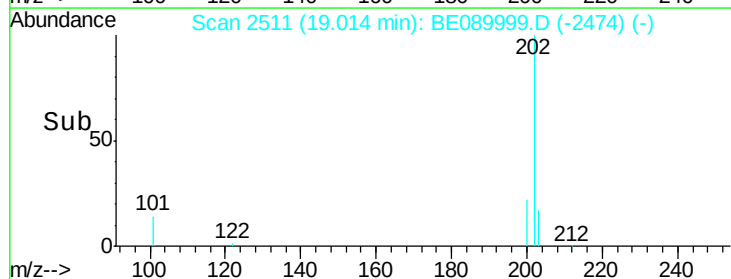
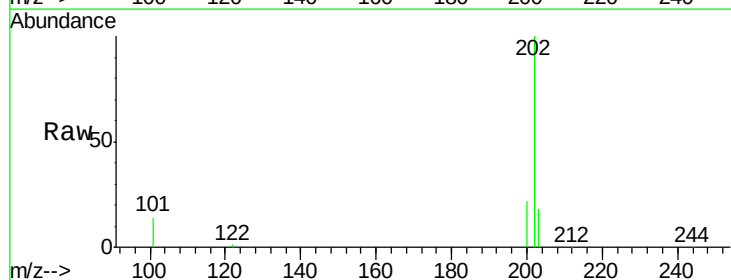
RT: 19.01 min Scan# 2511

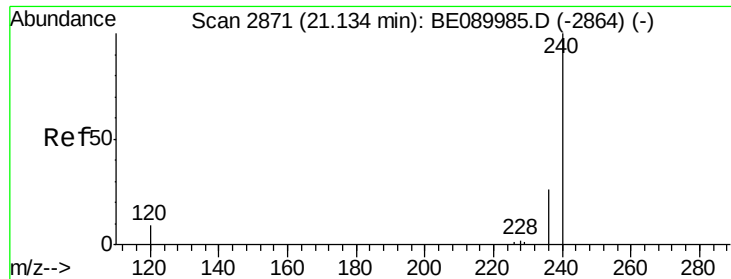
Delta R.T. -0.00 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.6	10.6	15.8
203	17.5	13.8	20.6





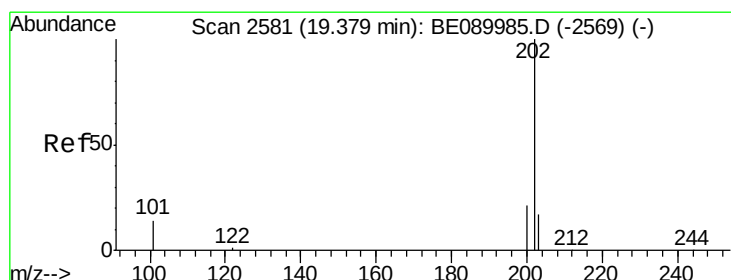
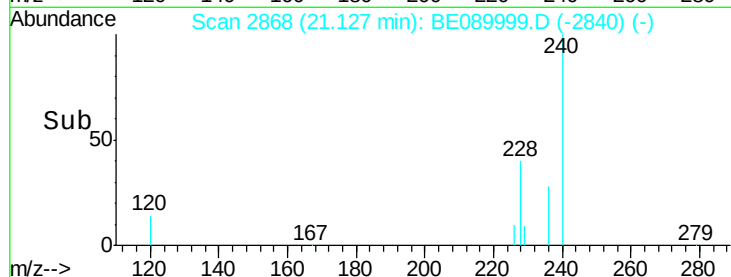
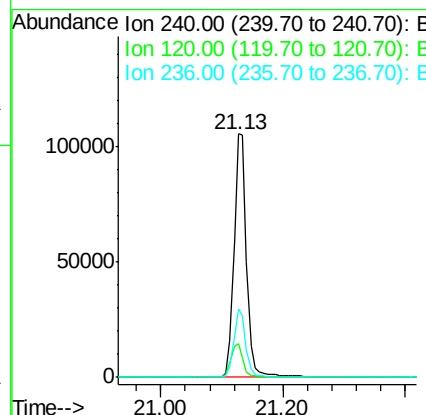
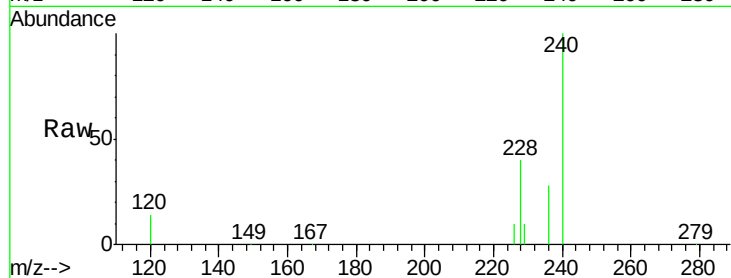
#25
Chrysene-d12
Concen: 5.00 ng
RT: 21.13 min Scan# 2868
Delta R.T. -0.01 min
Lab File: BE089999.D
Acq: 30 Jun 2015 2:56

Instrument :
BNA_E
ClientSampleId :
X1SS0550006-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	14.1	6.9	10.3#
236	28.1	20.8	31.2

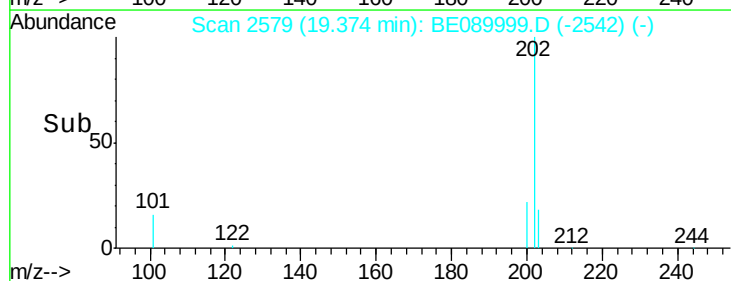
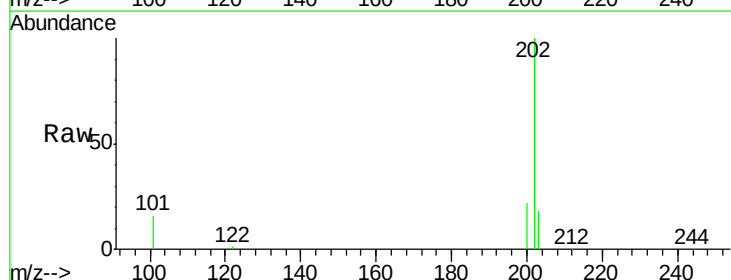
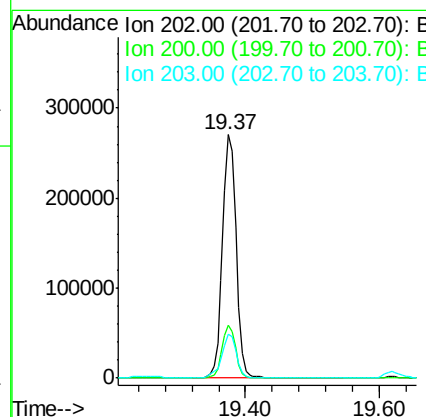
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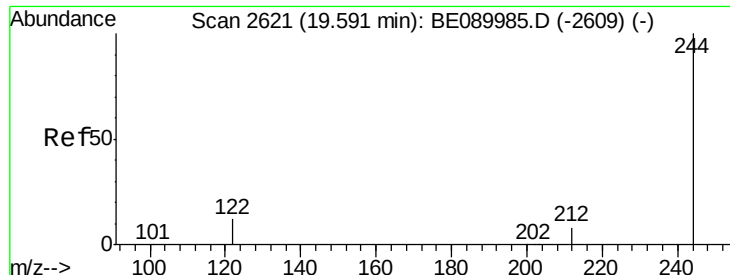
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6/30/2015 4:54:48 PM



#26
Pyrene
Concen: 10.59 ng
RT: 19.37 min Scan# 2579
Delta R.T. -0.00 min
Lab File: BE089999.D
Acq: 30 Jun 2015 2:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.5	16.8	25.2
203	19.3	13.9	20.9





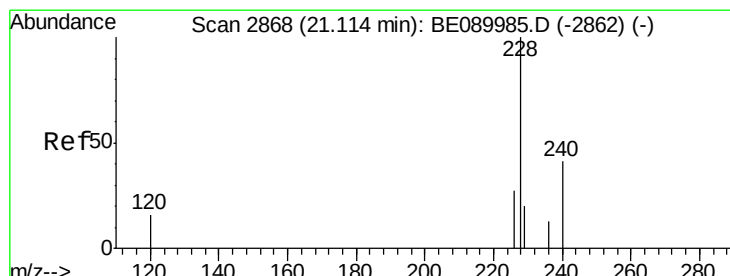
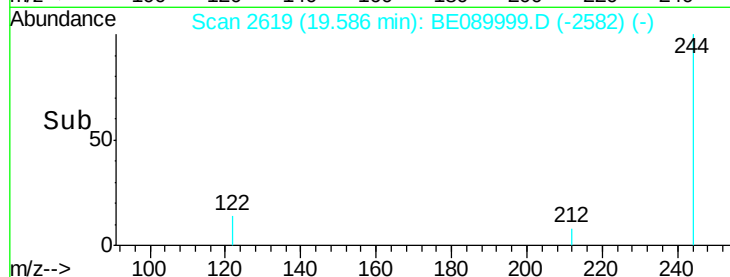
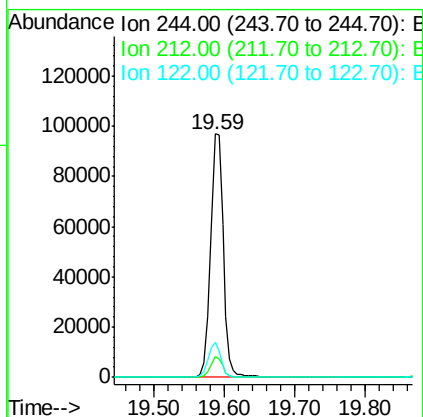
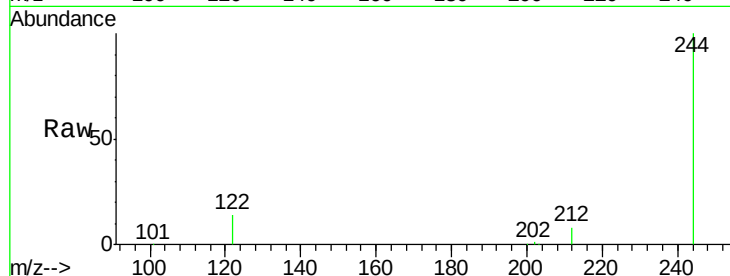
#27
 Terphenyl-d14
 Concen: 4.93 ng
 RT: 19.59 min Scan# 2619
 Delta R.T. -0.00 min
 Lab File: BE089999.D
 Acq: 30 Jun 2015 2:56

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0550006-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	8.4	6.6	9.8
122	14.3	9.8	14.8

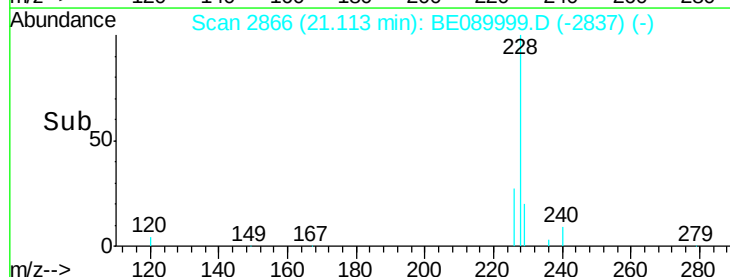
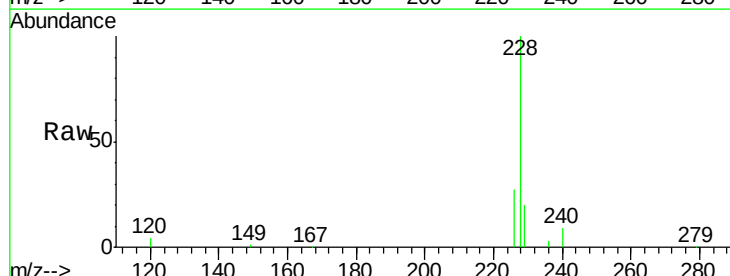
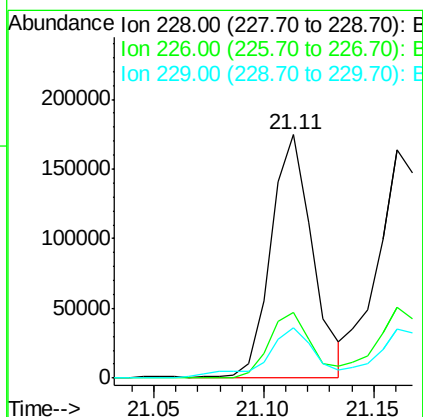
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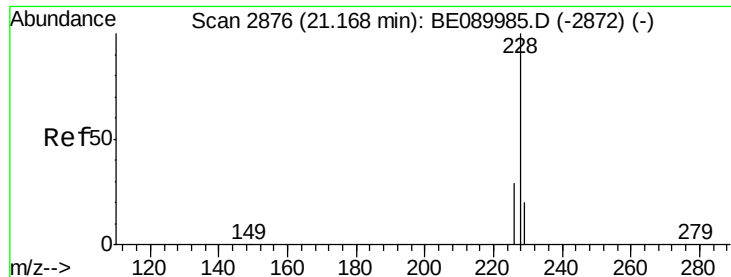
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#28
 Benzo(a)anthracene
 Concen: 6.06 ng
 RT: 21.11 min Scan# 2866
 Delta R.T. -0.00 min
 Lab File: BE089999.D
 Acq: 30 Jun 2015 2:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	27.2	21.8	32.6
229	20.5	15.8	23.6





#29

Chrysene

Concen: 6.29 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE089999.D

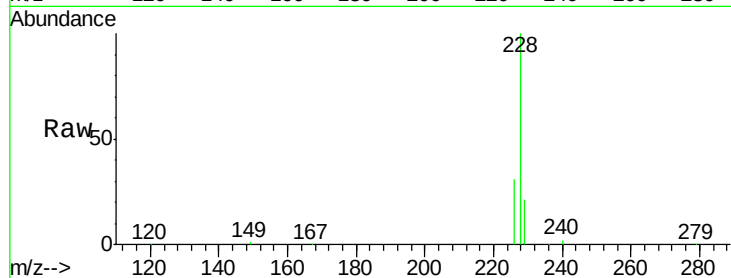
Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

ClientSampleId :

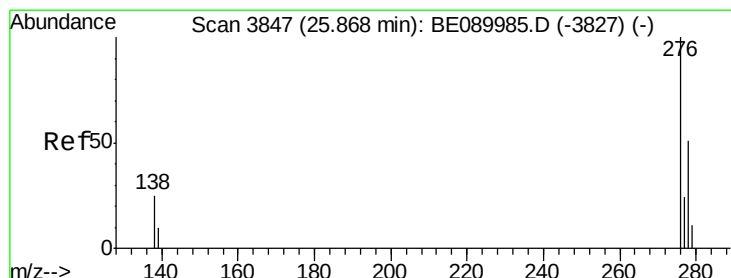
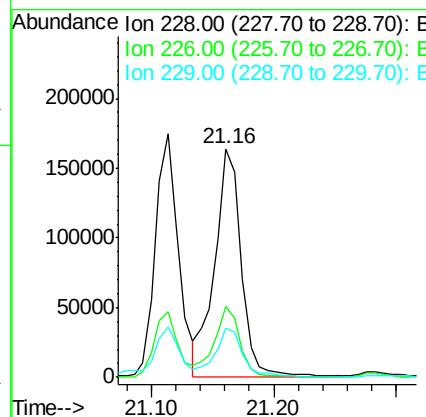
X1SS0550006-150625



Tgt Ion:	228	Resp:	245536
Ion Ratio		Lower	Upper
228	100		
226	30.8	23.4	35.0
229	21.3	16.2	24.2

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#31

Indeno(1,2,3-cd)pyrene

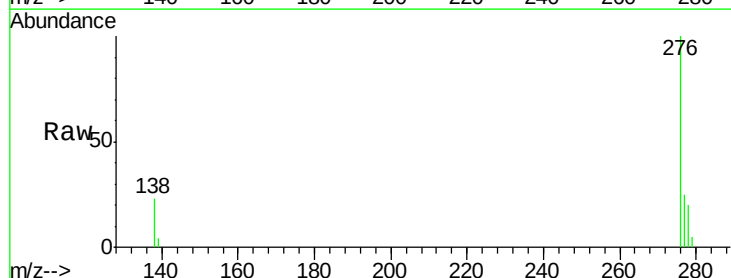
Concen: 2.44 ng

RT: 25.86 min Scan# 3844

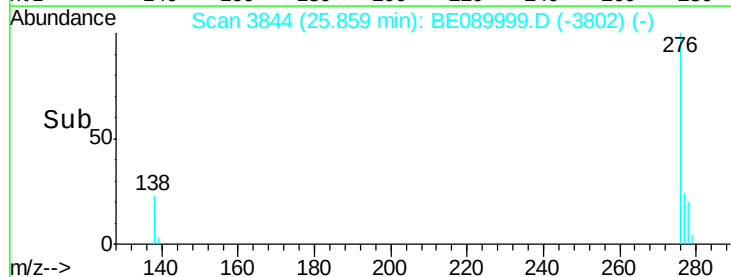
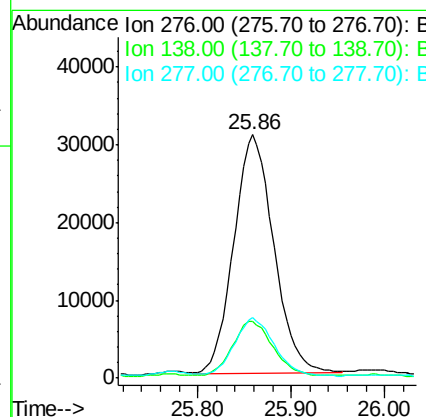
Delta R.T. -0.01 min

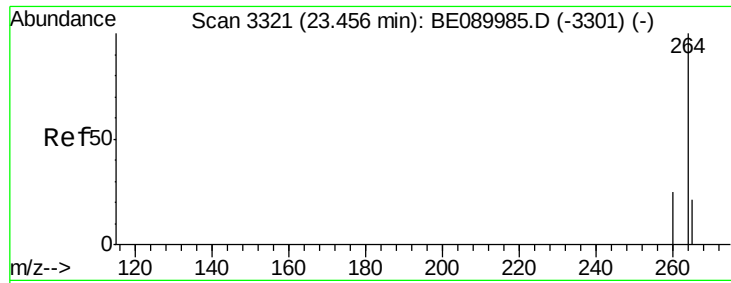
Lab File: BE089999.D

Acq: 30 Jun 2015 2:56



Tgt Ion:	276	Resp:	91470
Ion Ratio		Lower	Upper
276	100		
138	23.5	21.3	31.9
277	24.0	19.7	29.5





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.45 min Scan# 3319

Delta R.T. -0.00 min

Lab File: BE089999.D

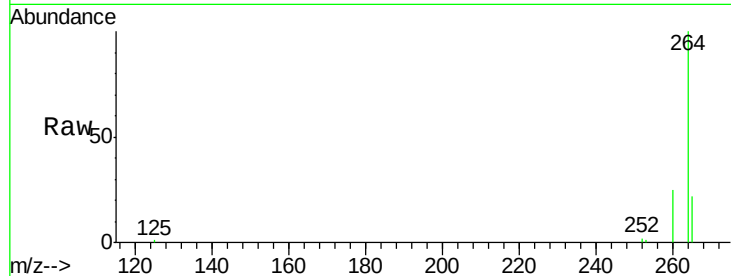
Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

ClientSampleId :

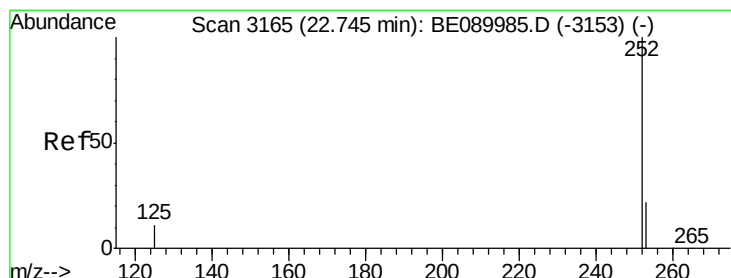
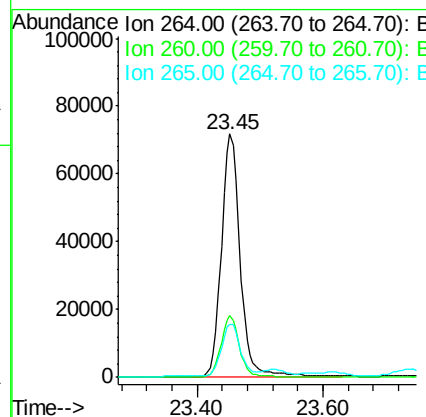
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Tgt Ion:	264	Resp:	148455
Ion Ratio		Lower	Upper
264	100		
260	25.3	20.2	30.2
265	22.0	17.1	25.7

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#33

Benzo(b)fluoranthene

Concen: 7.91 ng

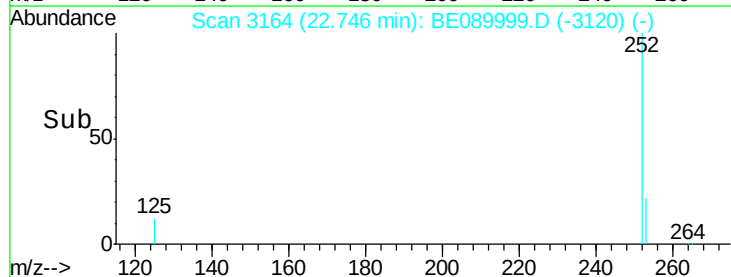
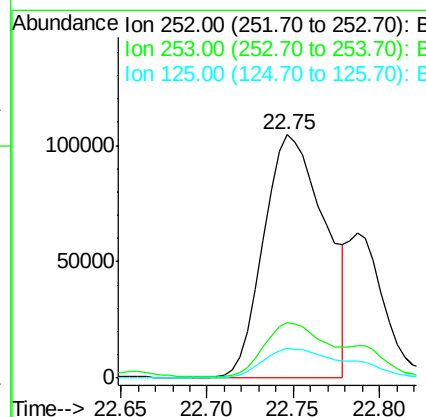
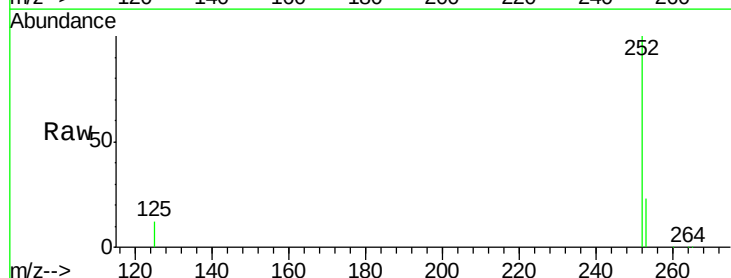
RT: 22.75 min Scan# 3164

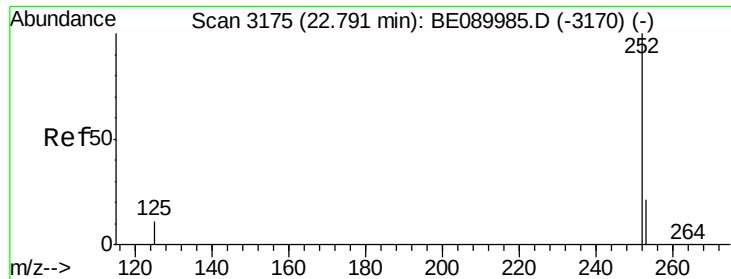
Delta R.T. 0.00 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56

Tgt Ion:	252	Resp:	259085
Ion Ratio		Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.0	9.0	13.4





#34

Benzo(k)fluoranthene

Concen: 2.94 ng m

RT: 22.79 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE089999.D

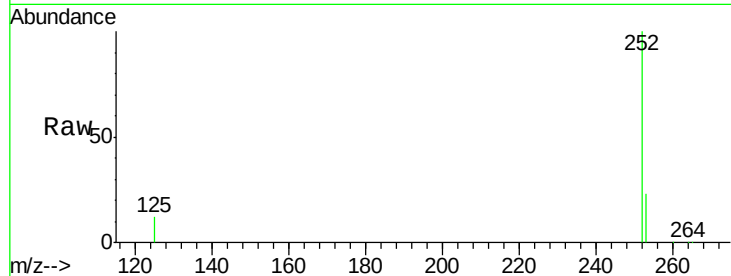
Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

ClientSampleId :

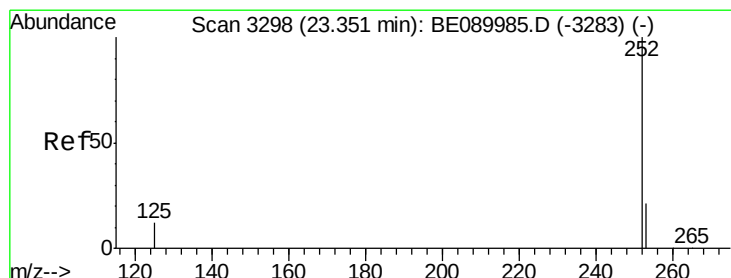
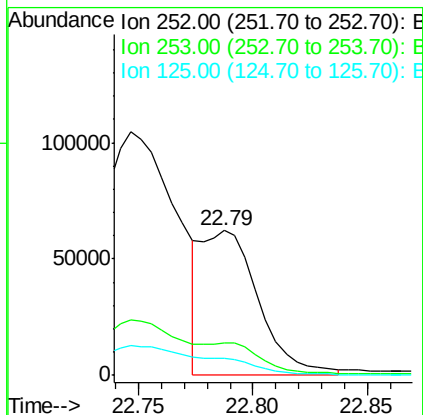
X1SS0550006-150625



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.1	9.5	14.3

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#35

Benzo(a)pyrene

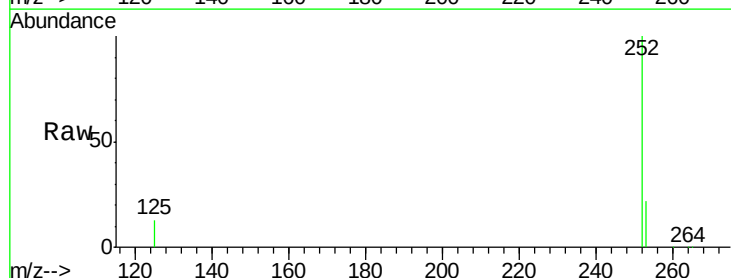
Concen: 5.41 ng

RT: 23.35 min Scan# 3296

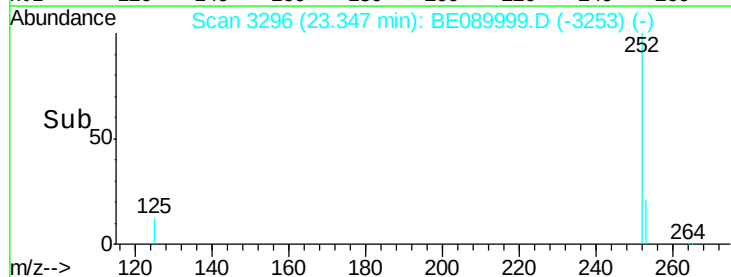
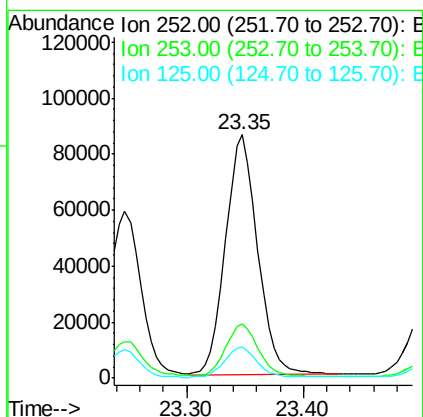
Delta R.T. -0.00 min

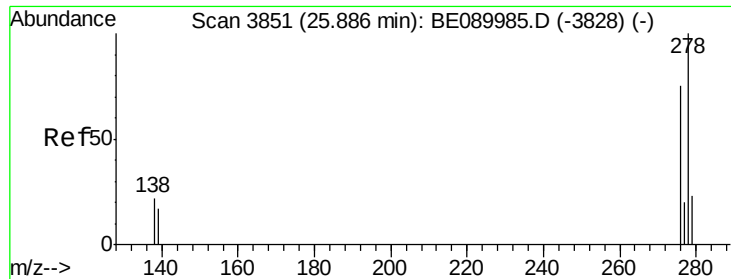
Lab File: BE089999.D

Acq: 30 Jun 2015 2:56



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	12.7	10.5	15.7





#36

Dibenzo(a,h)anthracene

Concen: 0.79 ng

RT: 25.87 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BE089999.D

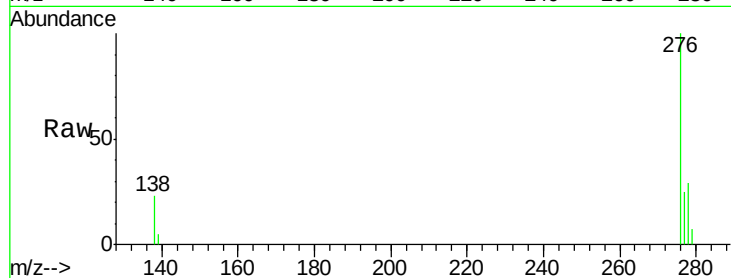
Acq: 30 Jun 2015 2:56

Instrument :

BNA_E

ClientSampleId :

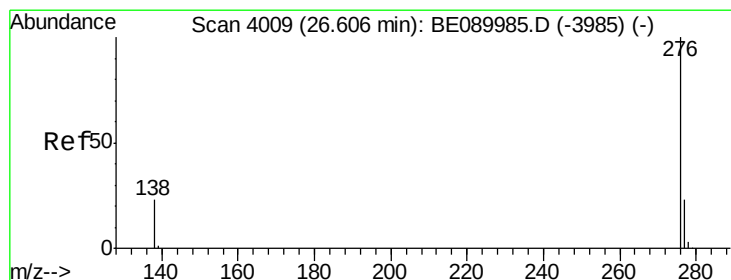
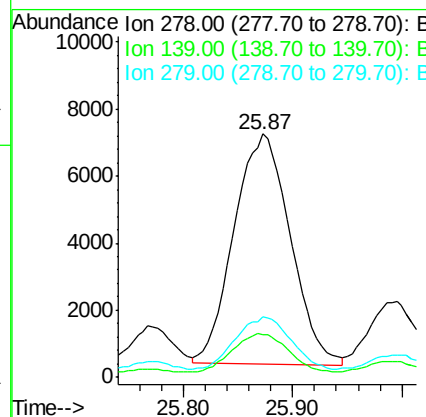
X1SS0550006-150625



Tgt Ion:	278	Resp:	24626
Ion Ratio	Lower	Upper	
278	100		
139	17.5	14.4	21.6
279	24.8	19.0	28.6

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#37

Benzo(g,h,i)perylene

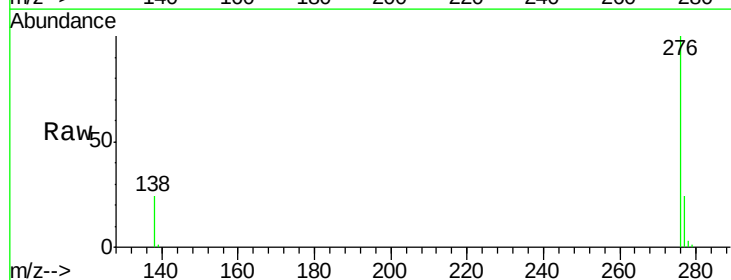
Concen: 2.78 ng

RT: 26.60 min Scan# 4007

Delta R.T. -0.00 min

Lab File: BE089999.D

Acq: 30 Jun 2015 2:56



Tgt Ion:	276	Resp:	87421
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.8	28.2
138	23.5	18.6	27.8

