

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
 Data File : BE089998.D
 Acq On : 30 Jun 2015 2:21
 Operator : TP/IZ
 Sample : G2810-07
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0690624-150625

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Quant Time: Jun 30 07:43:42 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	7.63	152	17607	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	76758	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	45286	5.00	ng	0.00
18) Phenanthrene-d10	16.98	188	113577	5.00	ng	0.00
25) Chrysene-d12	21.13	240	152178	5.00	ng	0.00
32) Perylene-d12	23.45	264	146498	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	20534	5.08	ng	0.00
5) Phenol-d6	6.80	99	31403	5.55	ng	0.00
7) Nitrobenzene-d5	8.76	82	20476	3.36	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	5484	4.13	ng	0.00
14) 2-Fluorobiphenyl	12.86	172	49947	3.67	ng	0.00
27) Terphenyl-d14	19.59	244	98827	3.90	ng	0.00
Target Compounds						Qvalue
9) Naphthalene	10.43	128	2315	0.13	ng	# 94
11) 2-Methylnaphthalene	12.04	142	470	0.04	ng	# 94
16) Acenaphthene	14.29	154	2650	0.23	ng	93
17) Fluorene	15.29	166	1262	0.08	ng	# 84
22) Phenanthrene	17.01	178	79666	2.74	ng	100
23) Anthracene	17.10	178	16830m	0.63	ng	
24) Fluoranthene	19.01	202	361996	11.14	ng	99
26) Pyrene	19.38	202	357337	9.85	ng	# 95
28) Benzo(a)anthracene	21.11	228	260843	6.86	ng	98
29) Chrysene	21.16	228	290112	7.35	ng	97
30) Bis(2-ethylhexyl)phthalate	21.06	149	2535	0.44	ng	# 99
31) Indeno(1,2,3-cd)pyrene	25.86	276	177995	4.70	ng	95
33) Benzo(b)fluoranthene	22.75	252	373830	11.57	ng	98
34) Benzo(k)fluoranthene	22.79	252	145280m	4.02	ng	
35) Benzo(a)pyrene	23.35	252	263709	8.84	ng	98
36) Dibenzo(a,h)anthracene	25.87	278	44382	1.45	ng	99
37) Benzo(g,h,i)perylene	26.61	276	187470	6.04	ng	99

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

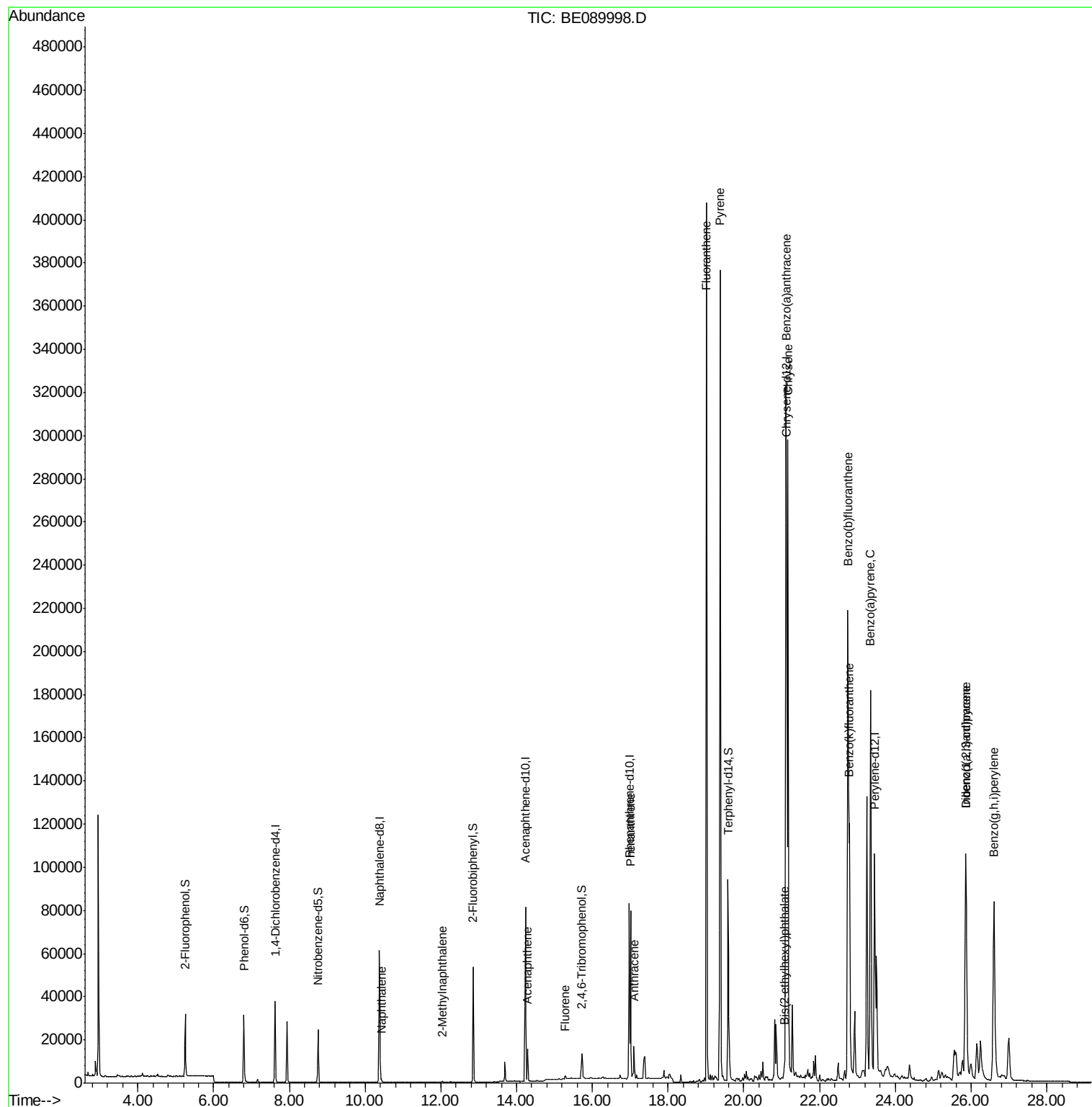
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE062915\
Data File : BE089998.D
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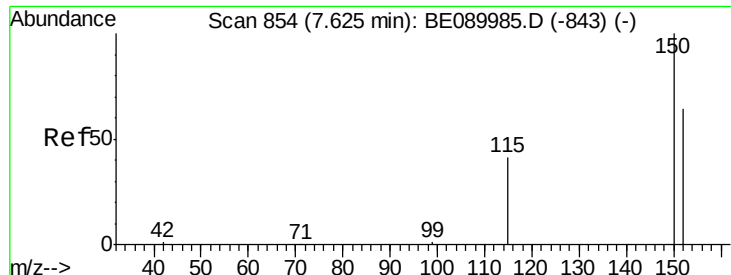
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.63 min Scan# 854

Delta R.T. 0.00 min

Lab File: BE089998.D

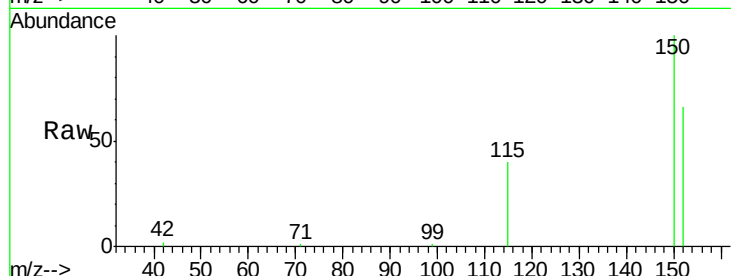
Acq: 30 Jun 2015 2:21

Instrument :

BNA_E

ClientSampleId :

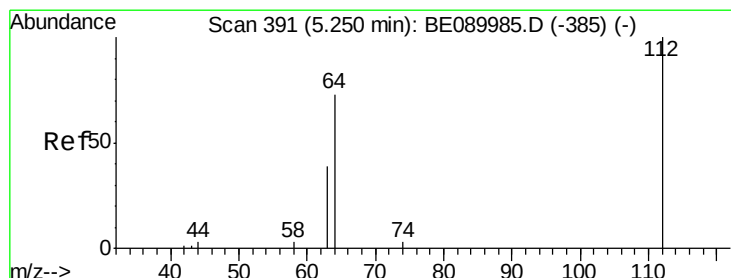
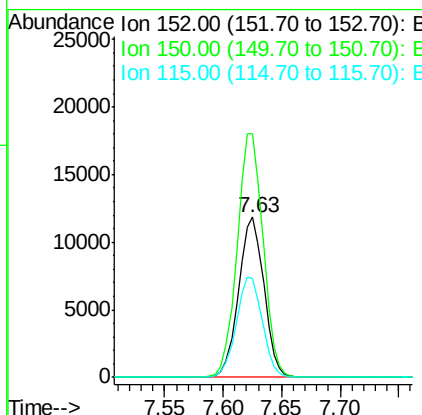
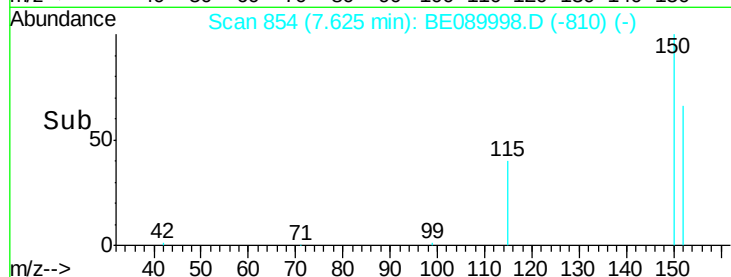
X1SS0690624-150625



Tgt Ion:	152	Resp:	17607
Ion Ratio	Lower	Upper	
152	100		
150	152.1	123.9	185.9
115	61.5	50.6	76.0

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#4

2-Fluorophenol

Concen: 5.08 ng

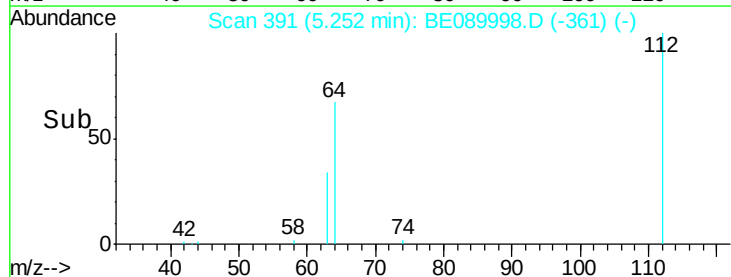
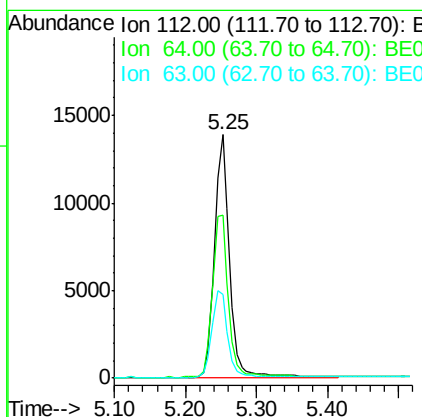
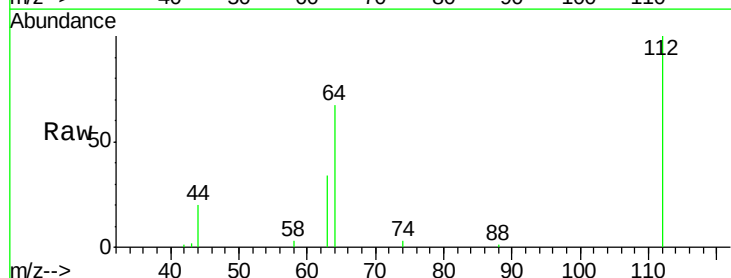
RT: 5.25 min Scan# 391

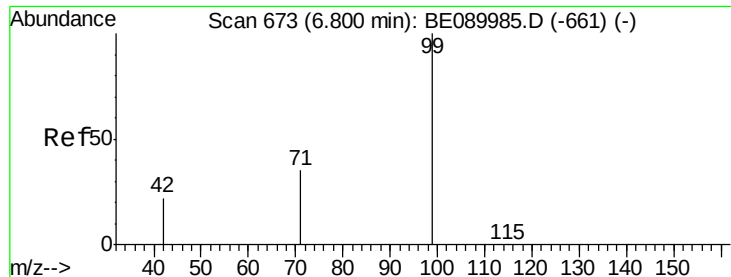
Delta R.T. 0.00 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Tgt Ion:	112	Resp:	20534
Ion Ratio	Lower	Upper	
112	100		
64	71.1	56.3	84.5
63	37.8	29.8	44.6





#5

Phenol-d6

Concen: 5.55 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE089998.D

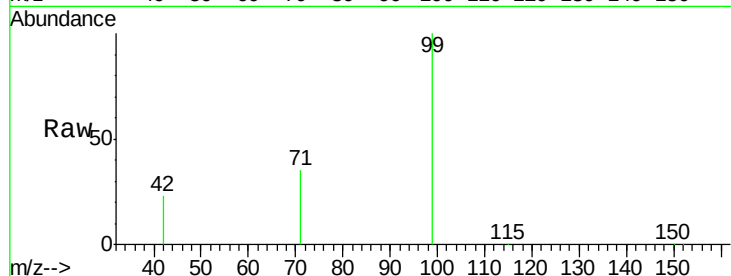
Acq: 30 Jun 2015 2:21

Instrument :

BNA_E

ClientSampleId :

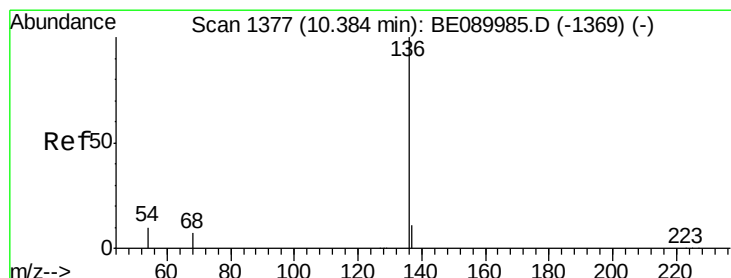
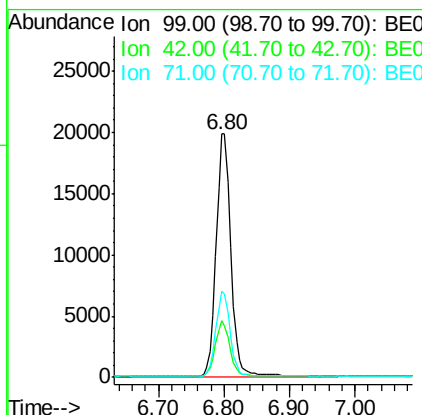
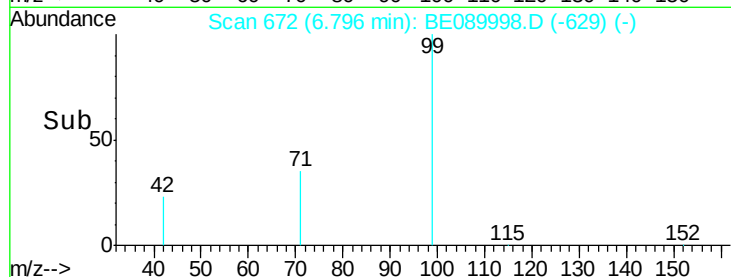
X1SS0690624-150625



Tgt Ion:	99	Resp:	31403
Ion Ratio	Lower	Upper	
99	100		
42	22.2	18.7	28.1
71	34.4	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

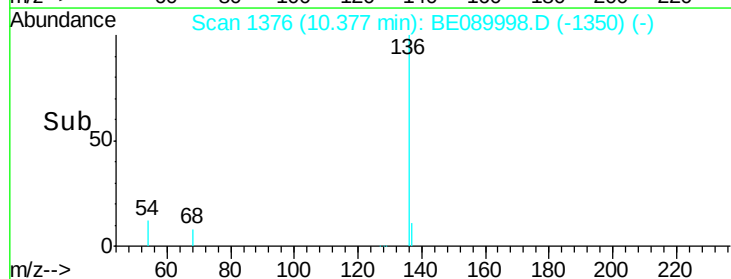
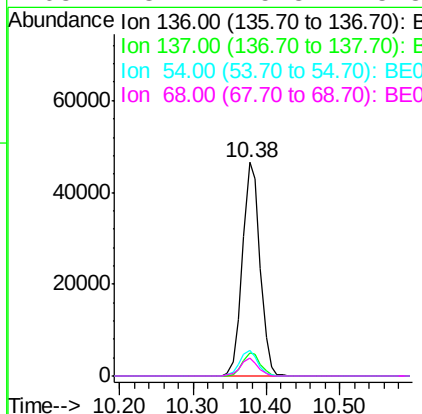
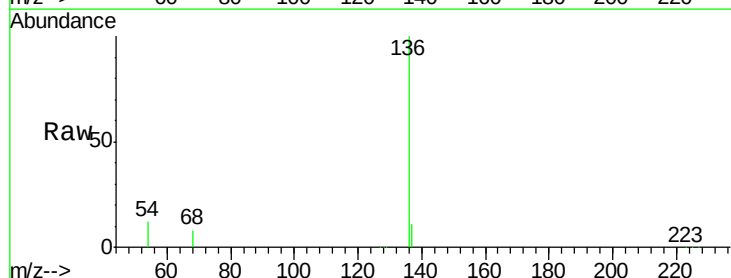
RT: 10.38 min Scan# 1376

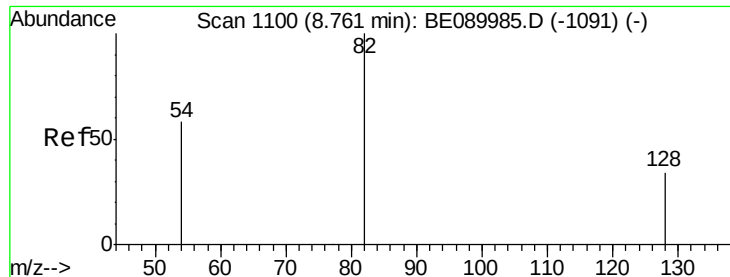
Delta R.T. -0.01 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Tgt Ion:	136	Resp:	76758
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.9	13.3
54	12.1	8.2	12.4
68	8.2	5.8	8.8





#7

Nitrobenzene-d5

Concen: 3.36 ng

RT: 8.76 min Scan# 1100

Delta R.T. -0.00 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Instrument :

BNA_E

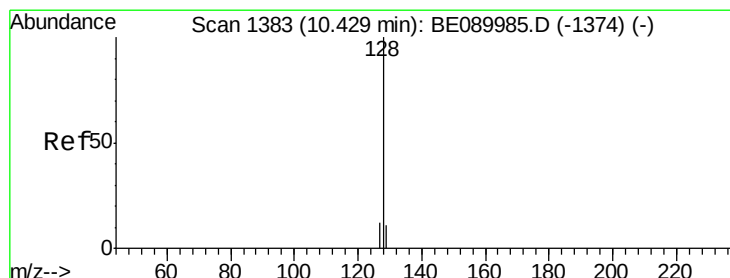
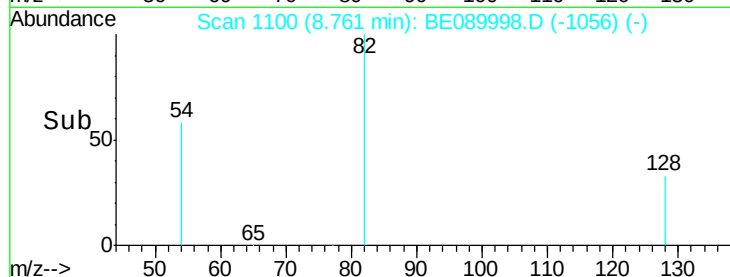
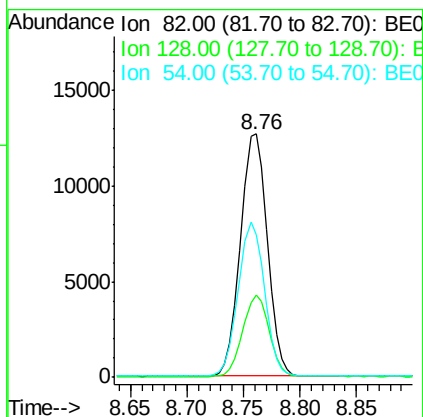
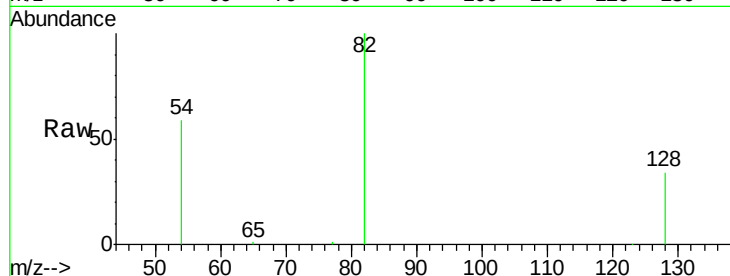
ClientSampleId :

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Tgt Ion:	82	Resp:	20476
Ion Ratio	Lower	Upper	
82	100		
128	33.7	28.0	42.0
54	58.6	47.6	71.4

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#9

Naphthalene

Concen: 0.13 ng

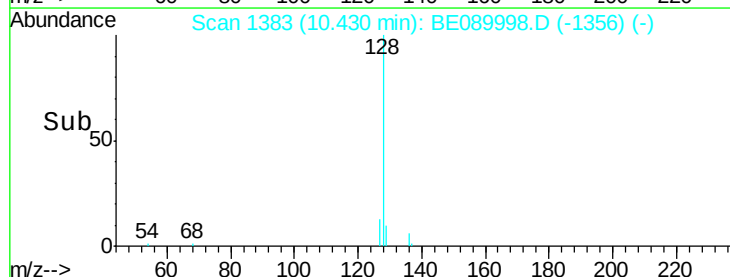
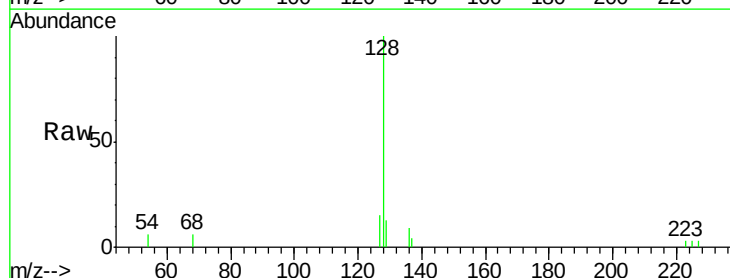
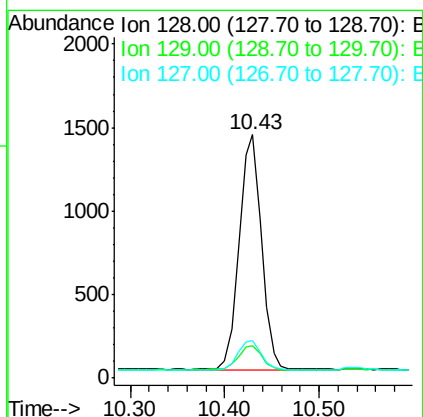
RT: 10.43 min Scan# 1383

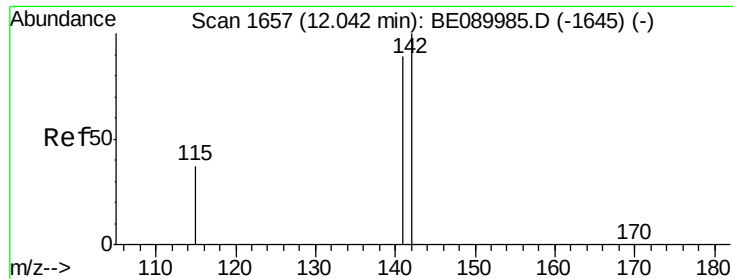
Delta R.T. 0.00 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Tgt Ion:	128	Resp:	2315
Ion Ratio	Lower	Upper	
128	100		
129	13.2	9.3	13.9
127	15.4	10.2	15.4#





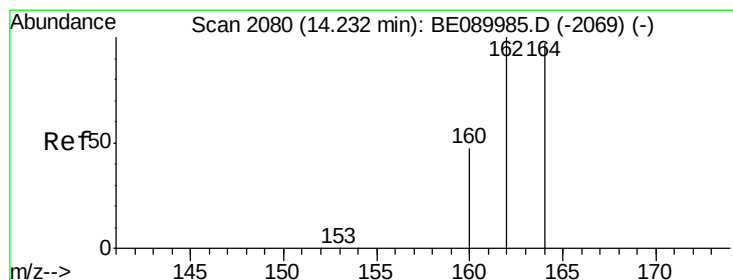
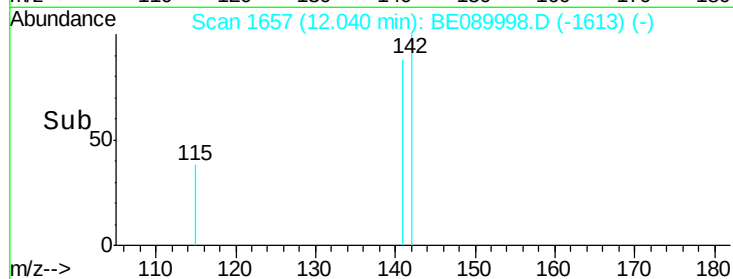
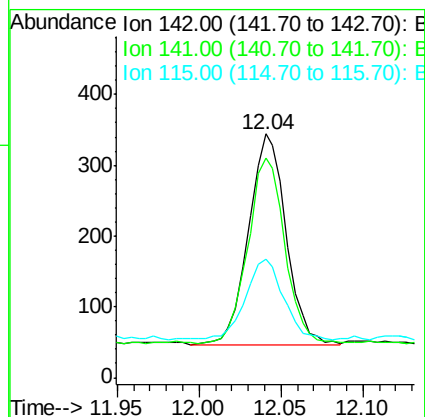
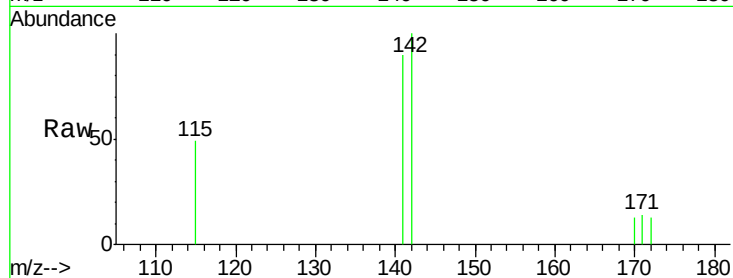
#11
2-Methylnaphthalene
Concen: 0.04 ng
RT: 12.04 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE089998.D
Acq: 30 Jun 2015 2:21

Instrument :
BNA_E
ClientSampleId :
X1SS0690624-150625

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.3	106.9
115	48.5	30.4	45.6

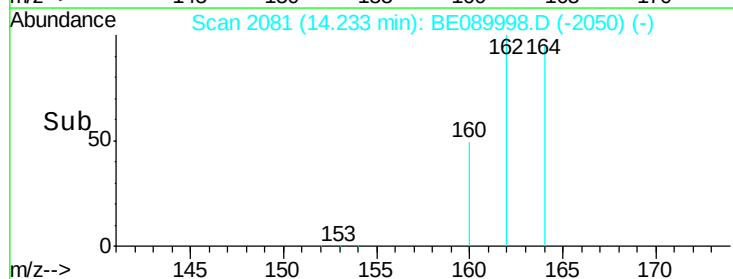
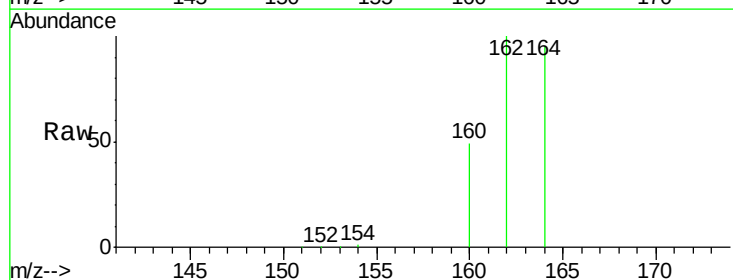
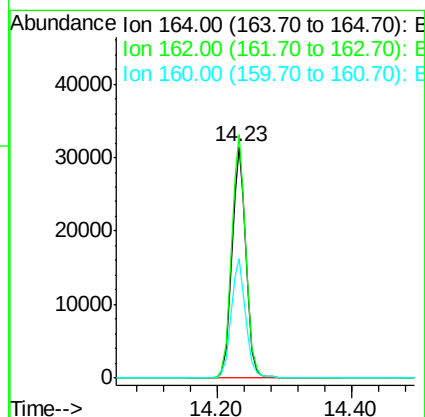
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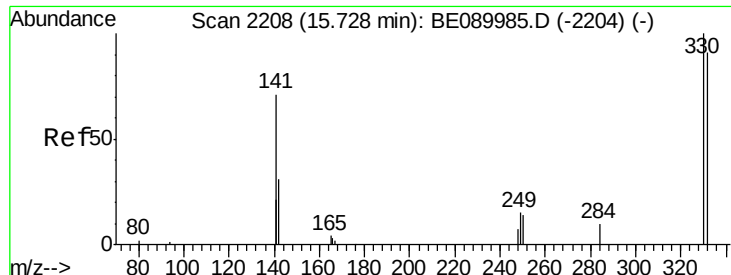
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.23 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BE089998.D
Acq: 30 Jun 2015 2:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	82.2	123.4
160	51.7	39.0	58.6





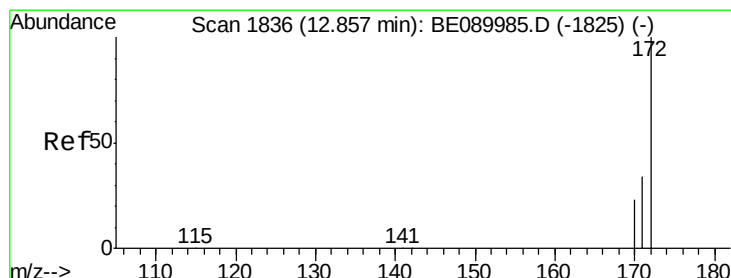
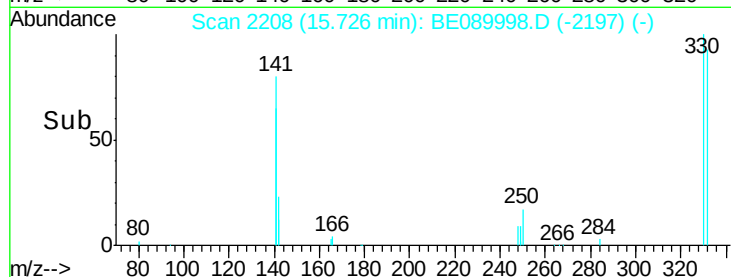
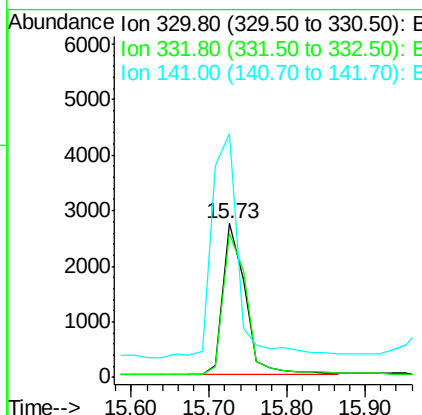
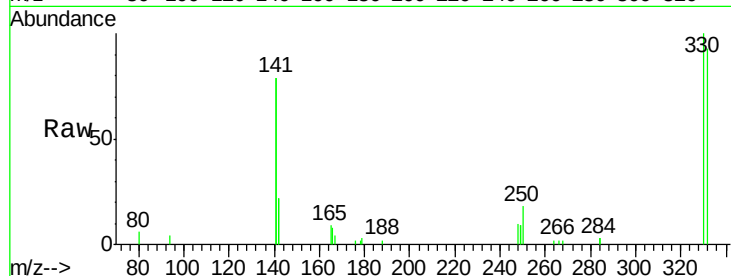
#13
 2,4,6-Tribromophenol
 Concen: 4.13 ng
 RT: 15.73 min Scan# 2208
 Delta R.T. -0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

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 X1SS0690624-150625

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.4	114.6
141	178.0	130.3	195.5

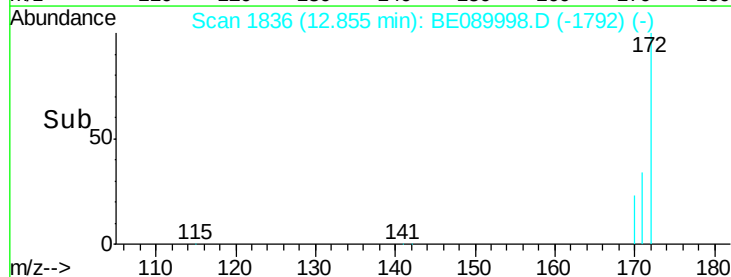
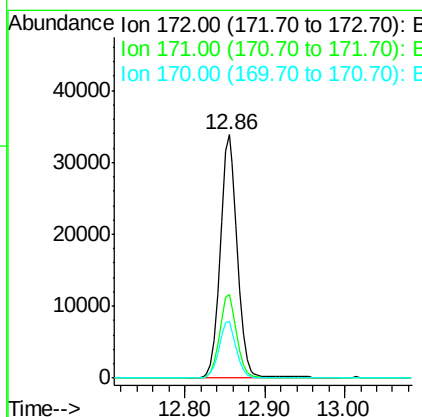
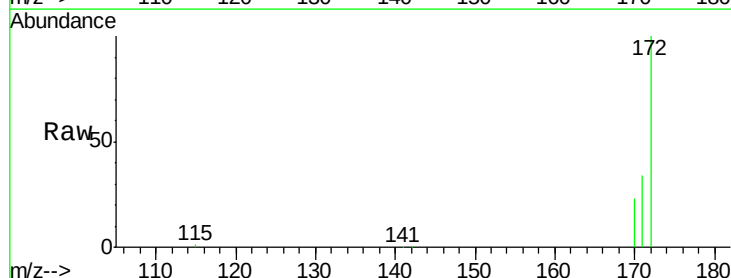
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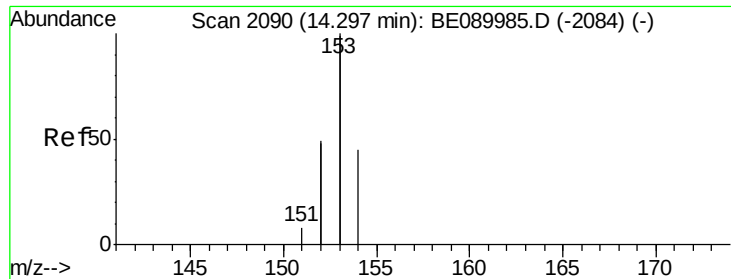
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#14
 2-Fluorobiphenyl
 Concen: 3.67 ng
 RT: 12.86 min Scan# 1836
 Delta R.T. -0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	23.2	18.3	27.5





#16

Acenaphthene

Concen: 0.23 ng

RT: 14.29 min Scan# 2090

Delta R.T. -0.01 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Instrument :

BNA_E

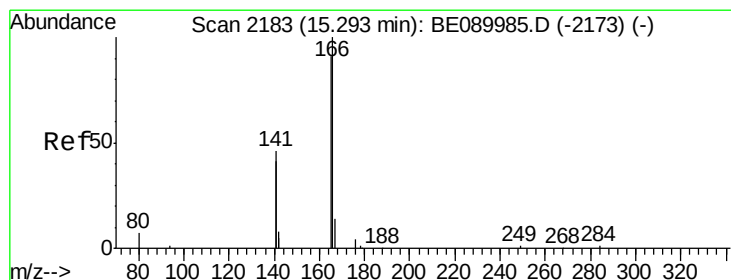
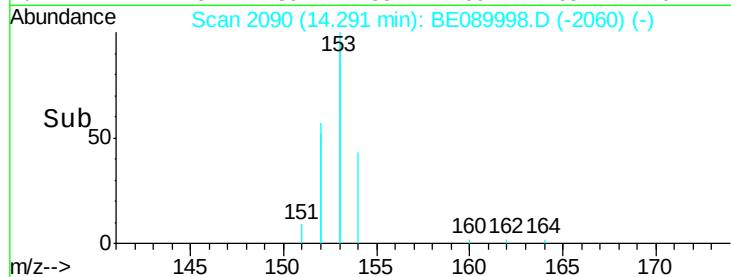
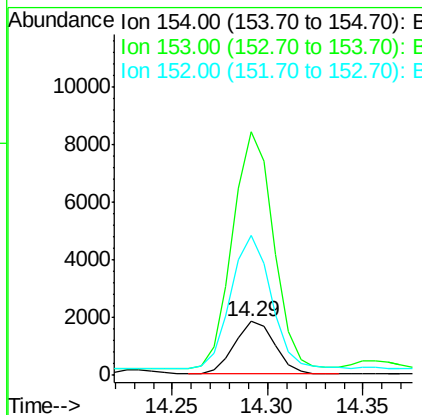
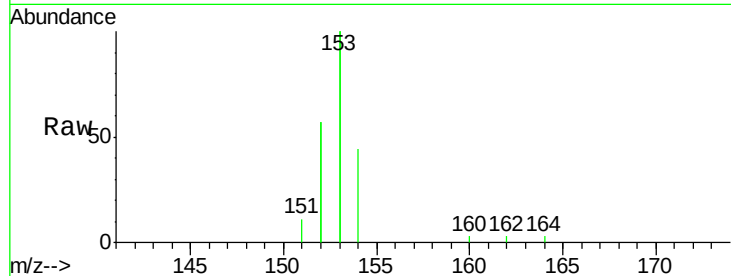
ClientSampleId :

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Tgt Ion:	154	Resp:	2650
Ion Ratio	Lower	Upper	
154	100		
153	458.3	358.6	538.0
152	257.9	189.6	284.4

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#17

Fluorene

Concen: 0.08 ng

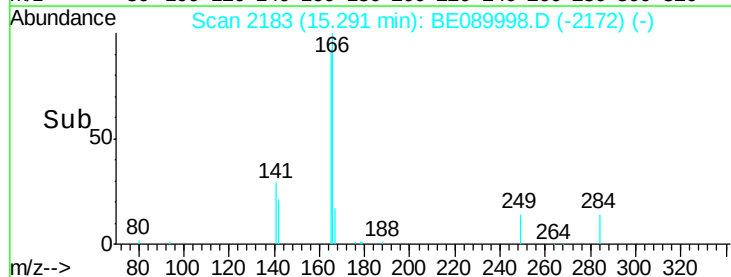
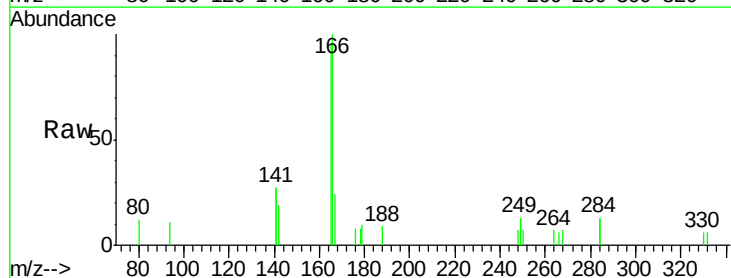
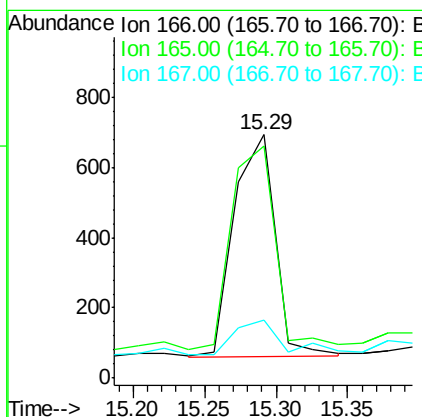
RT: 15.29 min Scan# 2183

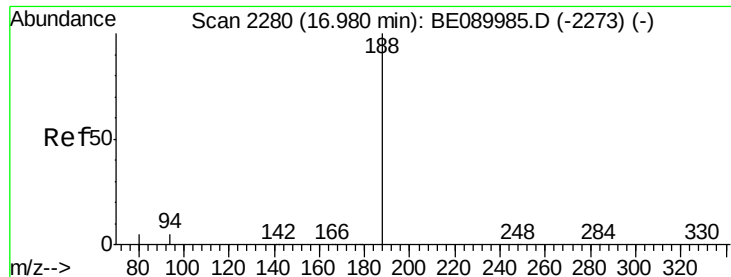
Delta R.T. -0.00 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Tgt Ion:	166	Resp:	1262
Ion Ratio	Lower	Upper	
166	100		
165	110.9	79.0	118.6
167	31.7	11.8	17.8#





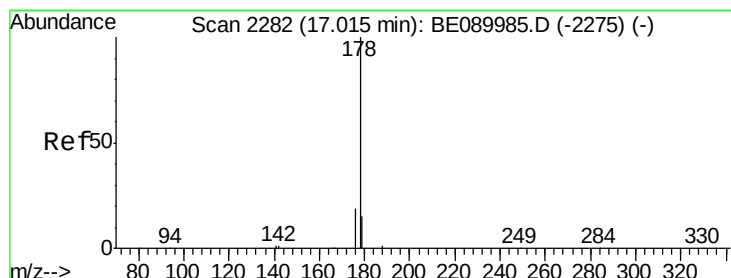
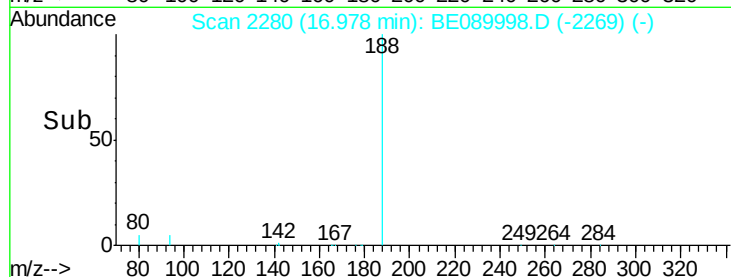
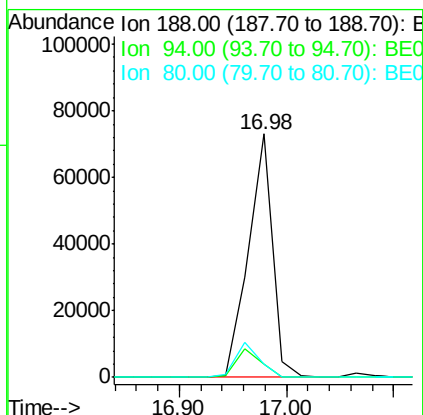
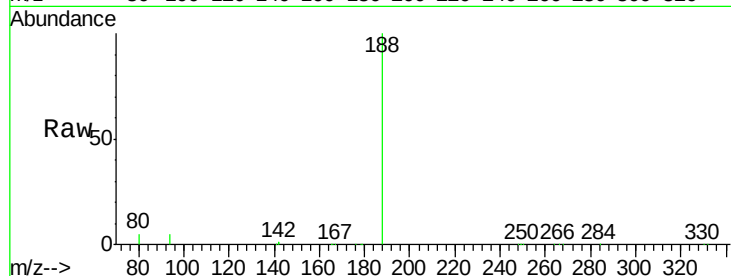
#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.98 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BE089998.D
Acq: 30 Jun 2015 2:21

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ClientSampleId :
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Tgt	Ion	Ratio	Resp	Lower	Upper
188	100		113577		
94	5.3	4.1	6.1		
80	5.4	4.2	6.2		

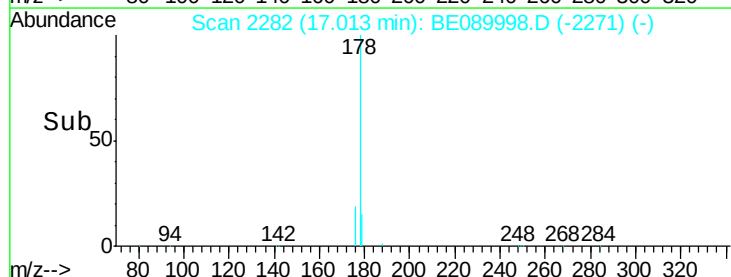
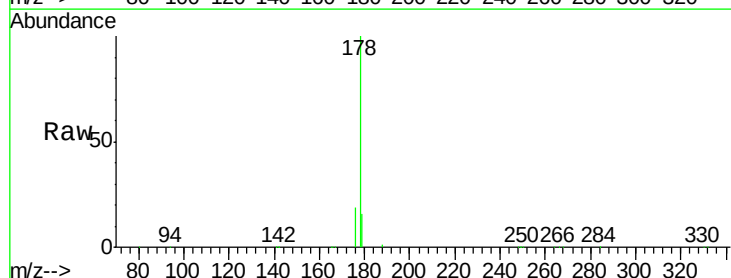
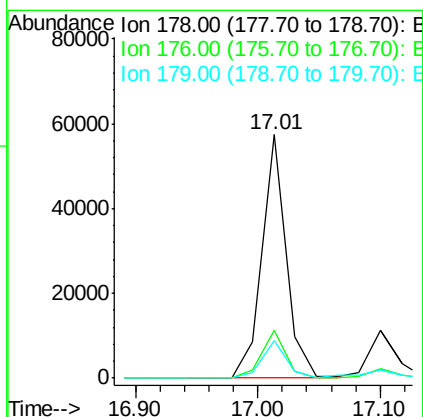
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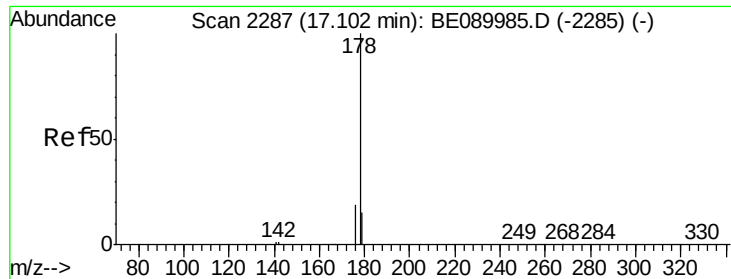
apatel
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#22
Phenanthrene
Concen: 2.74 ng
RT: 17.01 min Scan# 2282
Delta R.T. -0.00 min
Lab File: BE089998.D
Acq: 30 Jun 2015 2:21

Tgt	Ion	Ratio	Resp	Lower	Upper
178	100		79666		
176	19.2	15.3	22.9		
179	15.6	12.4	18.6		





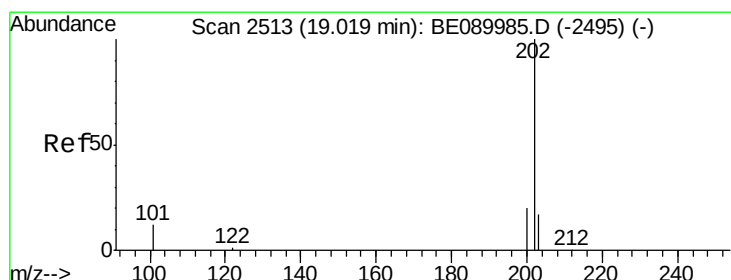
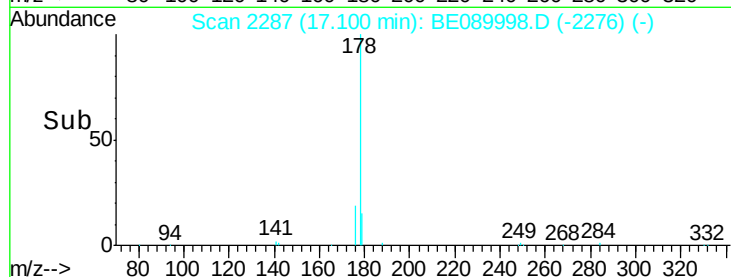
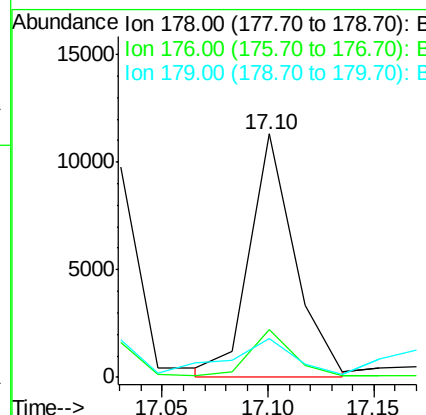
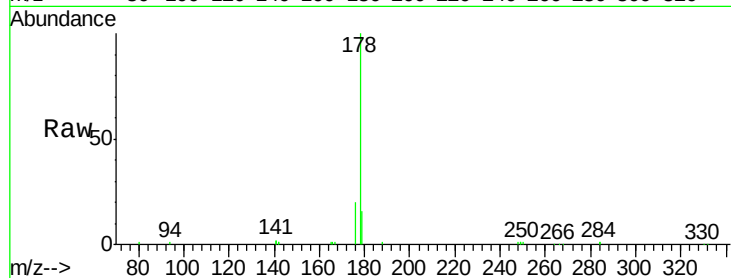
#23
 Anthracene
 Concen: 0.63 ng m
 RT: 17.10 min Scan# 2287
 Delta R.T. -0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0690624-150625

Tgt Ion	Ratio	Lower	Upper
178	100		
176	90.8	14.7	22.1#
179	74.0	12.1	18.1#

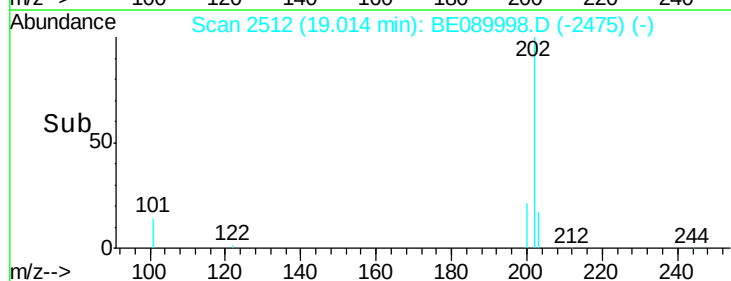
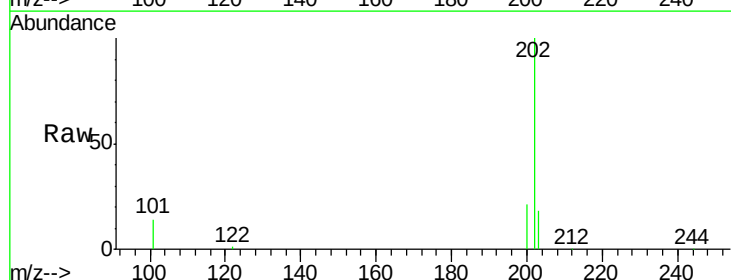
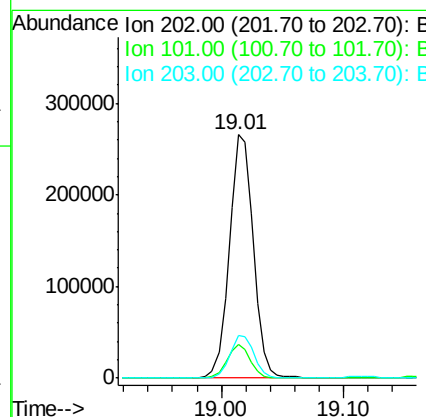
Manual Integrations
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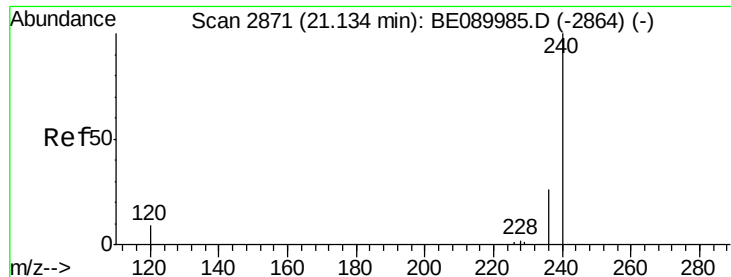
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#24
 Fluoranthene
 Concen: 11.14 ng
 RT: 19.01 min Scan# 2512
 Delta R.T. -0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	10.6	15.8
203	17.6	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.13 min Scan# 2870

Delta R.T. -0.01 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Instrument :

BNA_E

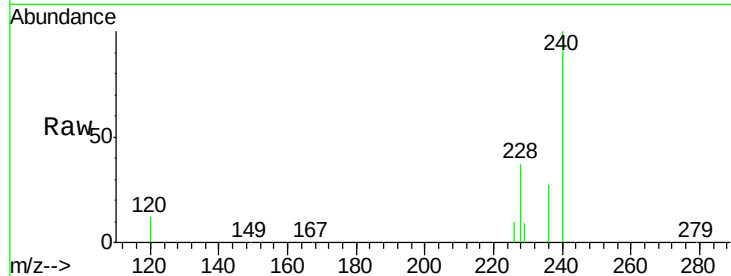
ClientSampleId :

X1SS0690624-150625

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	152178		
120	12.0	6.9	10.3#	
236	26.7	20.8	31.2	

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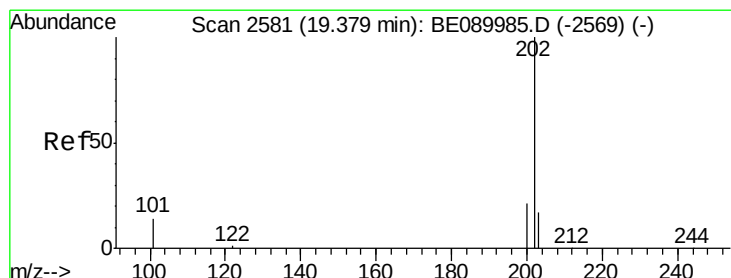
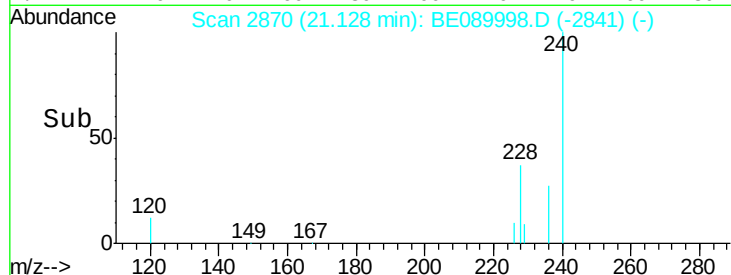
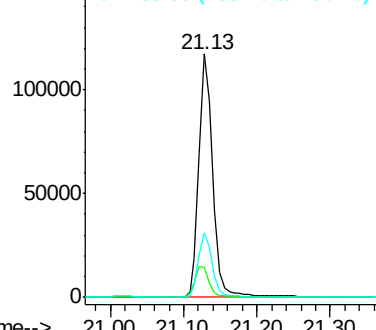


Abundance

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: 9.85 ng

RT: 19.38 min Scan# 2581

Delta R.T. 0.00 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

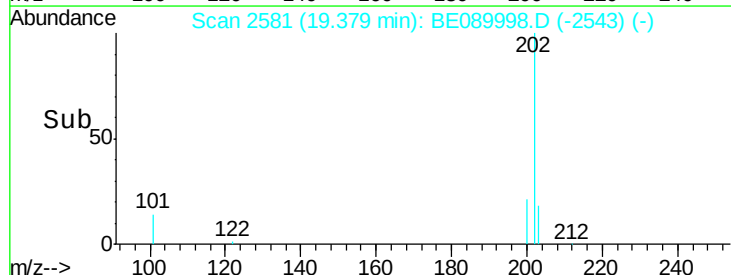
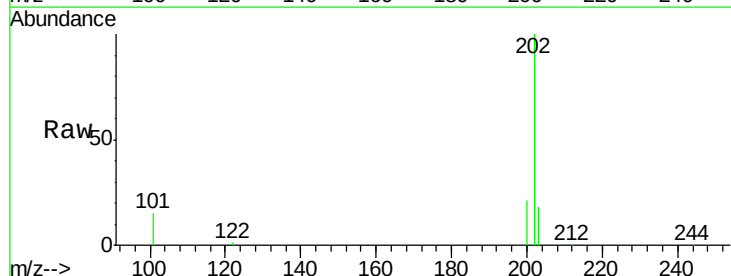
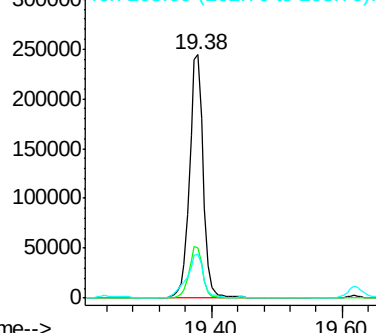
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	357337		
200	21.3	16.8	25.2	
203	22.1	13.9	20.9#	

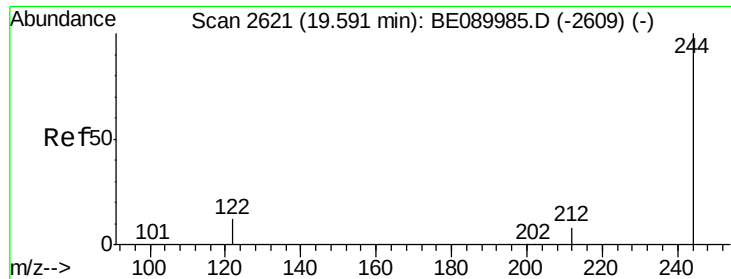
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





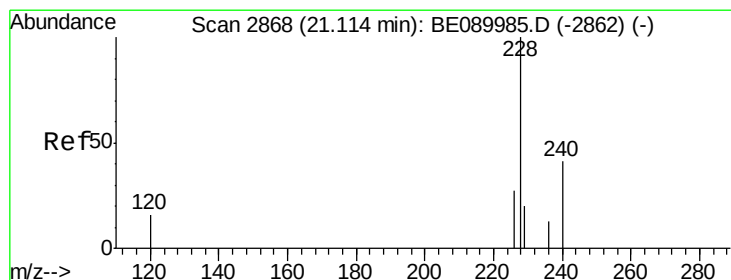
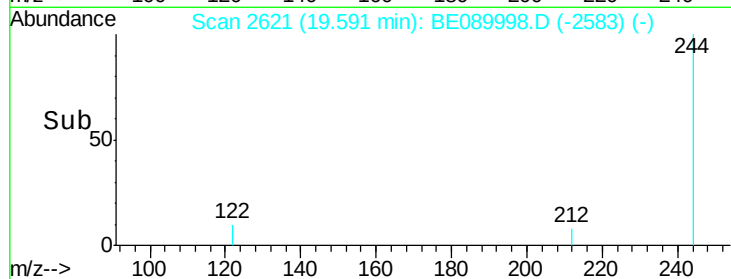
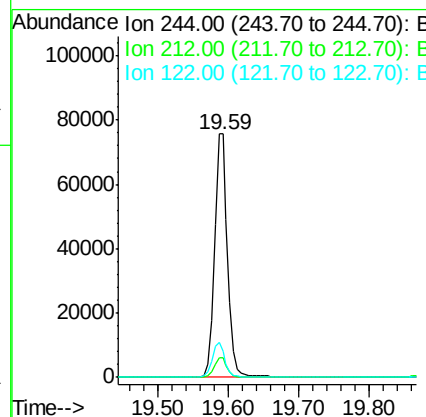
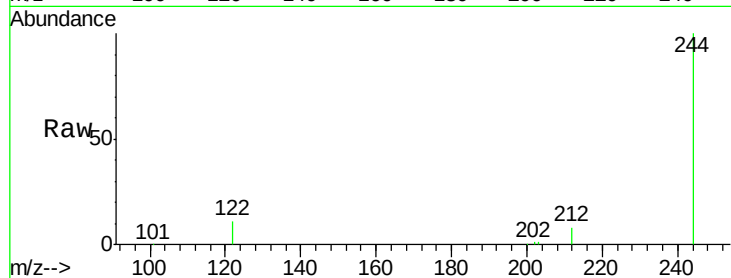
#27
 Terphenyl-d14
 Concen: 3.90 ng
 RT: 19.59 min Scan# 2621
 Delta R.T. 0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0690624-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.9	6.6	9.8
122	10.5	9.8	14.8

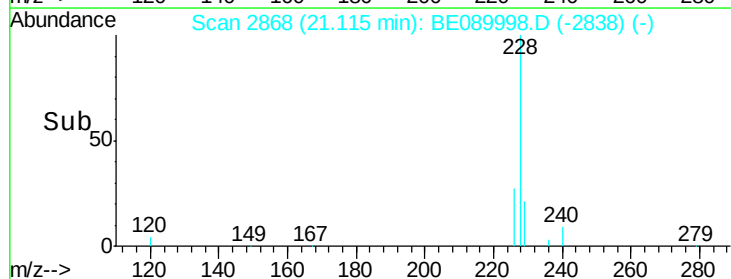
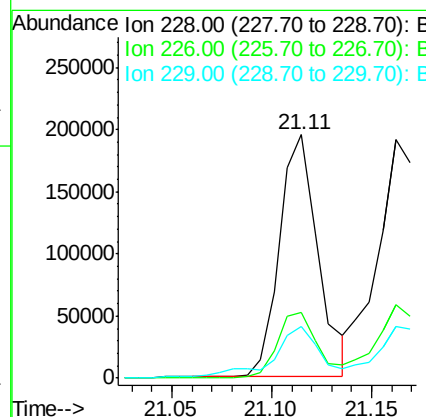
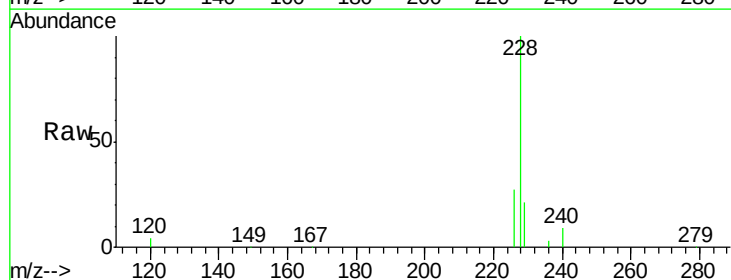
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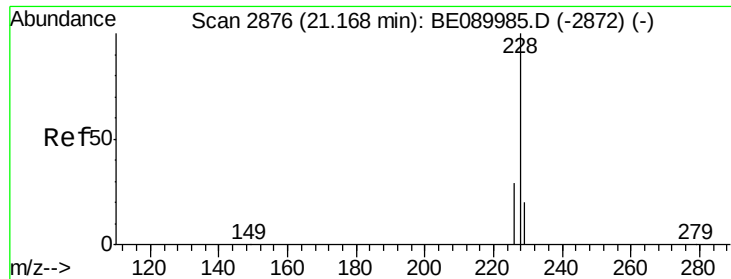
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#28
 Benzo(a)anthracene
 Concen: 6.86 ng
 RT: 21.11 min Scan# 2868
 Delta R.T. 0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	26.9	21.8	32.6
229	21.3	15.8	23.6





#29

Chrysene

Concen: 7.35 ng

RT: 21.16 min Scan# 2875

Delta R.T. -0.01 min

Lab File: BE089998.D

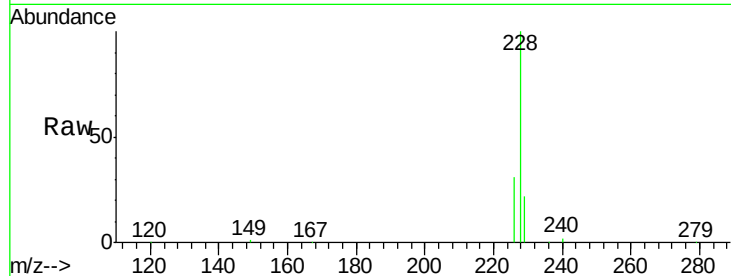
Acq: 30 Jun 2015 2:21

Instrument :

BNA_E

ClientSampleId :

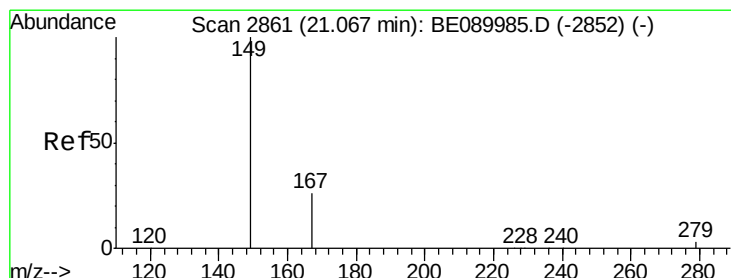
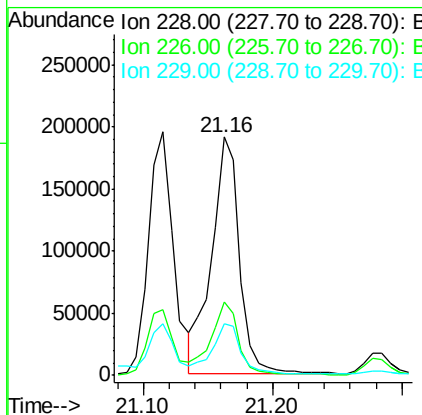
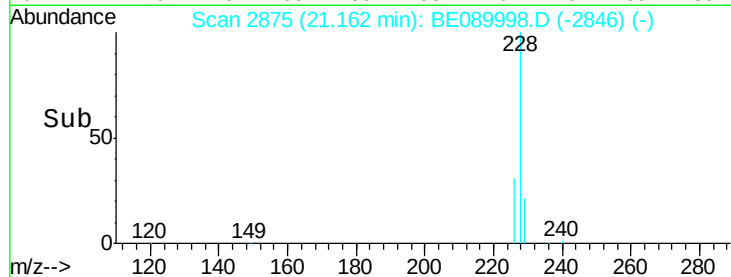
X1SS0690624-150625



Tgt Ion	Ratio	Resp	Lower	Upper
228	100	290112		
226	30.9	23.4	35.0	
229	21.5	16.2	24.2	

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#30

Bis(2-ethylhexyl)phthalate

Concen: 0.44 ng

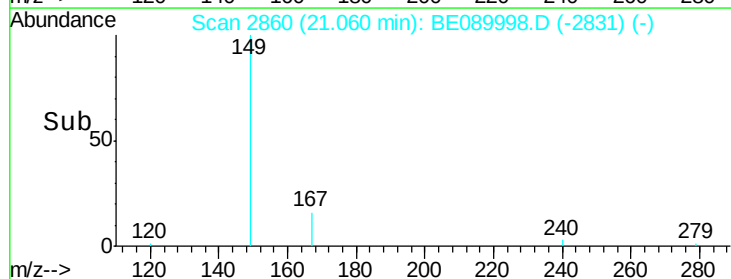
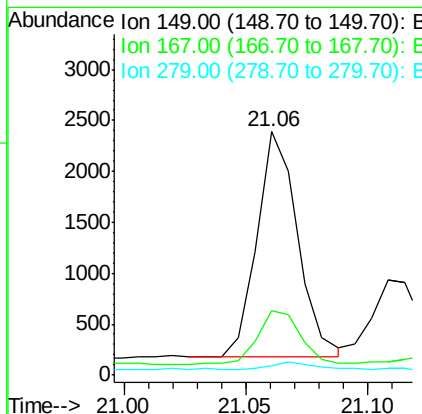
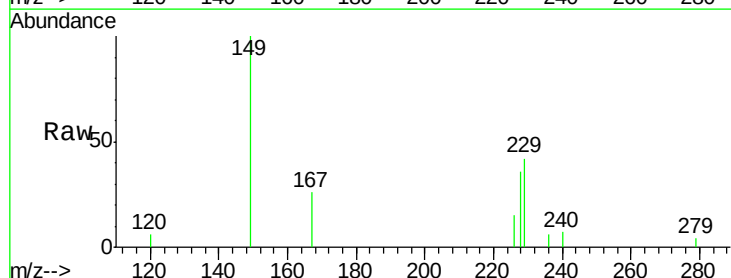
RT: 21.06 min Scan# 2860

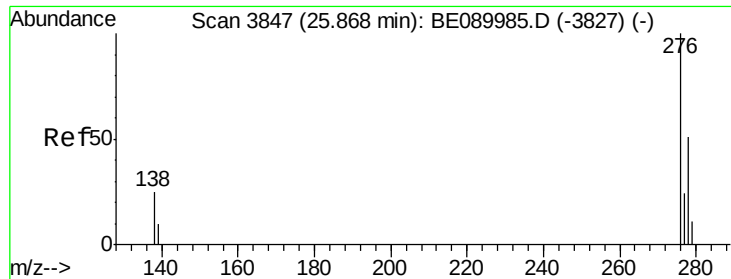
Delta R.T. -0.01 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	2535		
167	25.6	20.3	30.5	
279	3.9	2.6	3.8#	





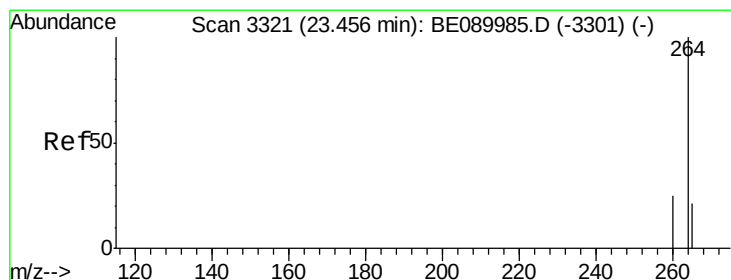
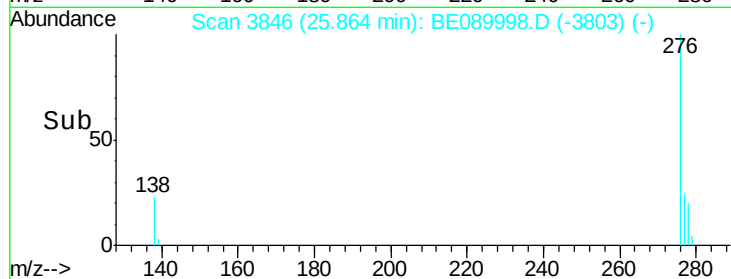
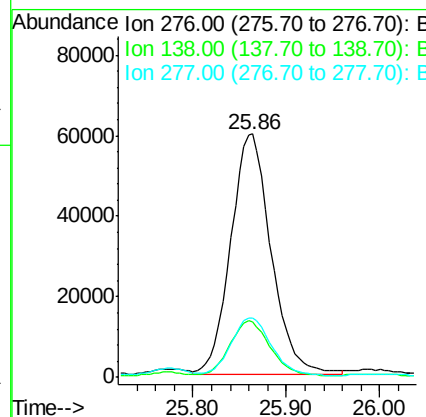
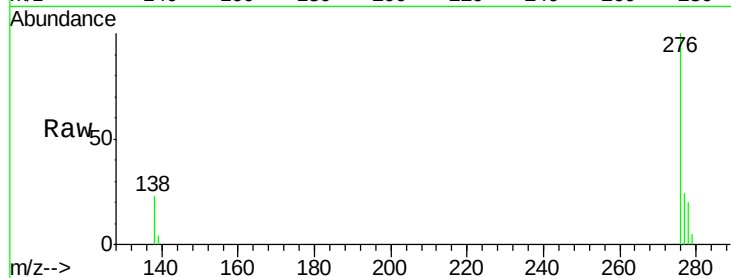
#31
 Indeno(1,2,3-cd)pyrene
 Concen: 4.70 ng
 RT: 25.86 min Scan# 3846
 Delta R.T. -0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0690624-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	22.9	21.3	31.9
277	23.6	19.7	29.5

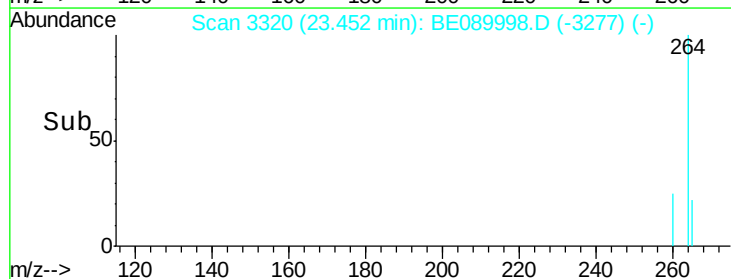
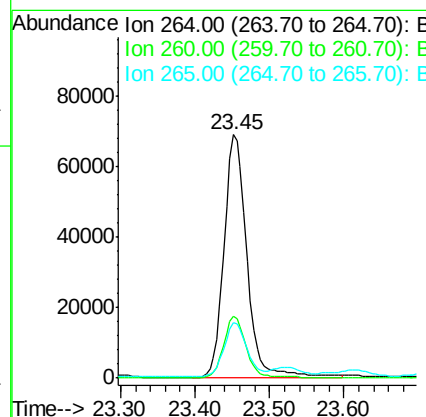
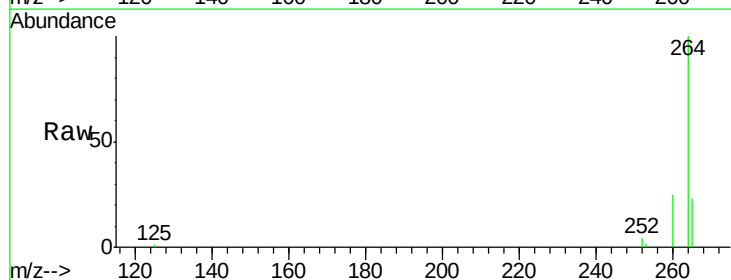
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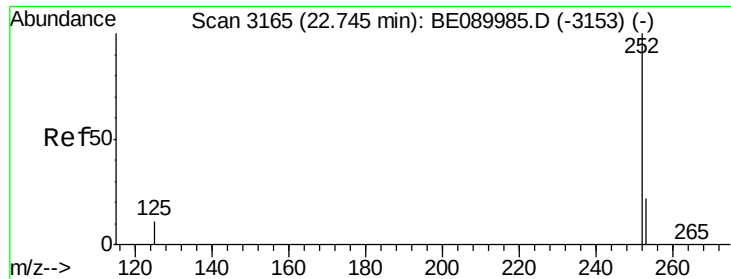
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#32
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.45 min Scan# 3320
 Delta R.T. -0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.2	20.2	30.2
265	22.6	17.1	25.7





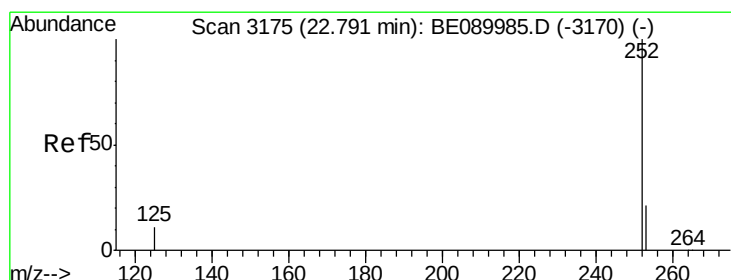
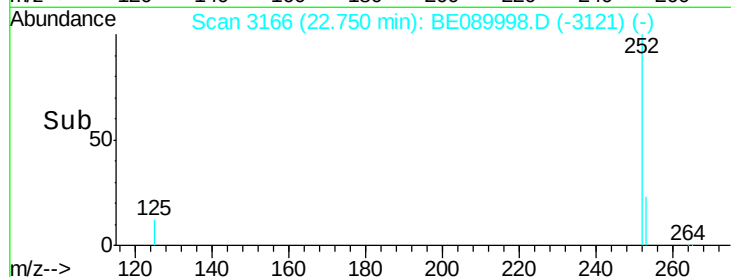
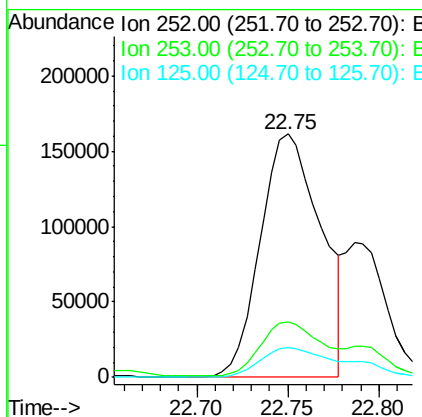
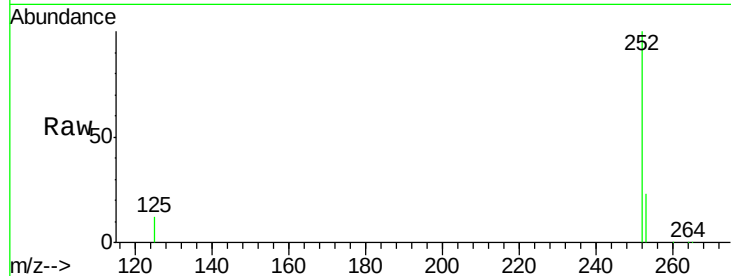
#33
Benzo(b)fluoranthene
Concen: 11.57 ng
RT: 22.75 min Scan# 3166
Delta R.T. 0.00 min
Lab File: BE089998.D
Acq: 30 Jun 2015 2:21

Instrument :
BNA_E
ClientSampleId :
X1SS0690624-150625

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	12.3	9.0	13.4

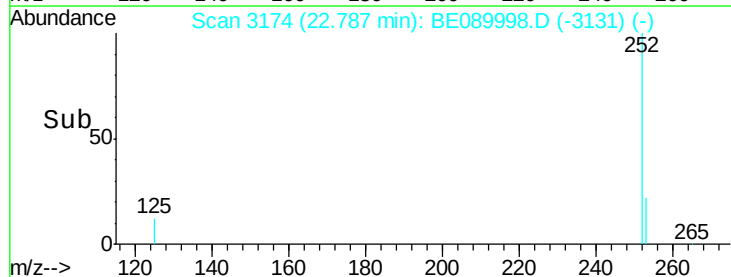
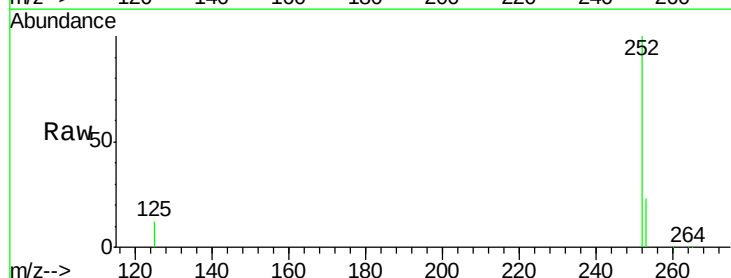
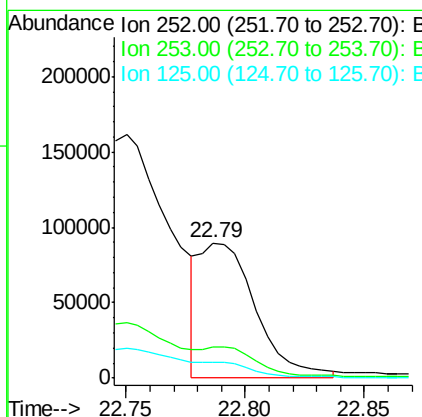
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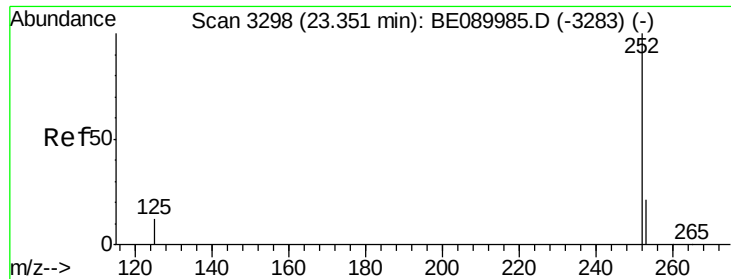
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#34
Benzo(k)fluoranthene
Concen: 4.02 ng m
RT: 22.79 min Scan# 3174
Delta R.T. -0.00 min
Lab File: BE089998.D
Acq: 30 Jun 2015 2:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.0	9.5	14.3





#35

Benzo(a)pyrene

Concen: 8.84 ng

RT: 23.35 min Scan# 3297

Delta R.T. -0.00 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Instrument :

BNA_E

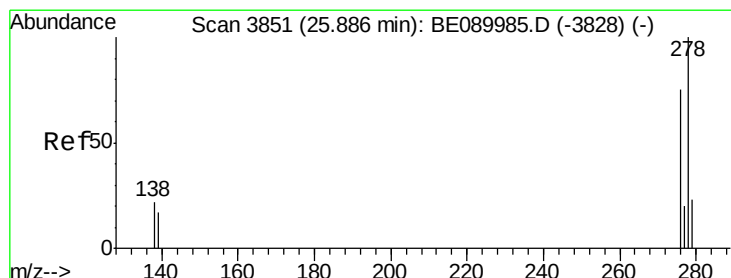
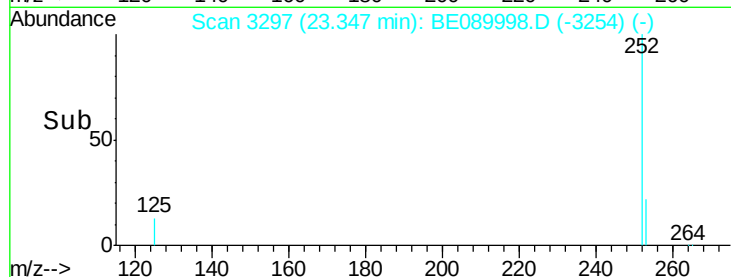
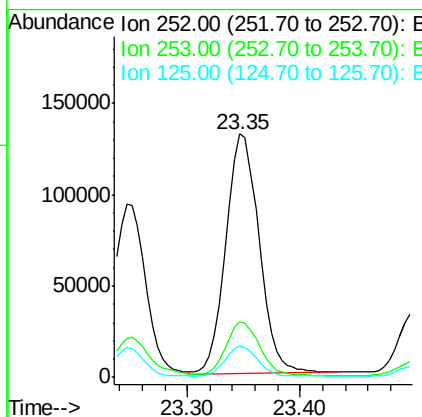
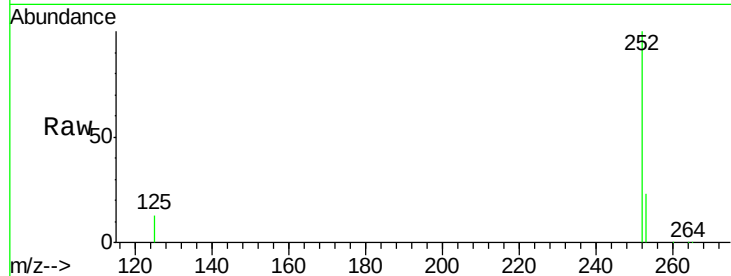
ClientSampleId :

X1SS0690624-150625

Tgt Ion:	252	Resp:	263709
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	13.0	10.5	15.7

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#36

Dibenzo(a,h)anthracene

Concen: 1.45 ng

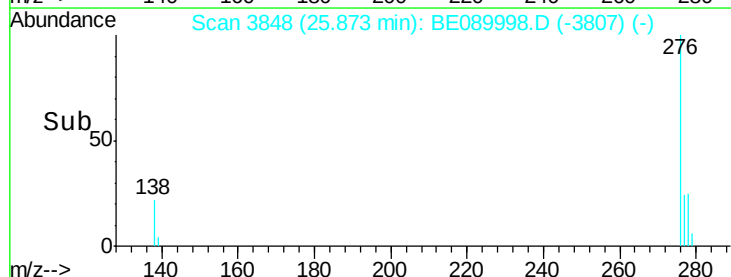
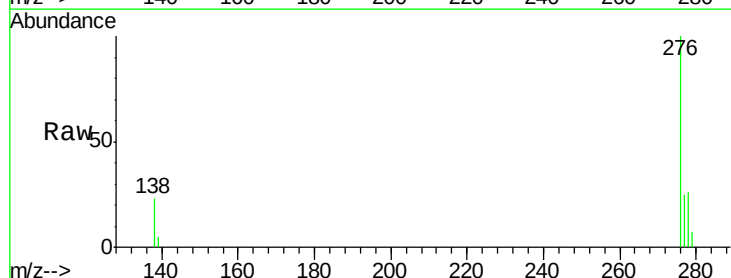
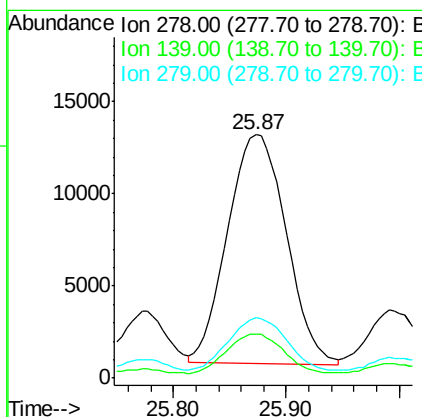
RT: 25.87 min Scan# 3848

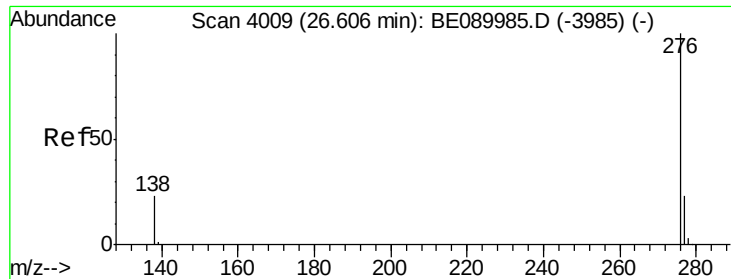
Delta R.T. -0.01 min

Lab File: BE089998.D

Acq: 30 Jun 2015 2:21

Tgt Ion:	278	Resp:	44382
Ion Ratio	Lower	Upper	
278	100		
139	17.9	14.4	21.6
279	24.9	19.0	28.6





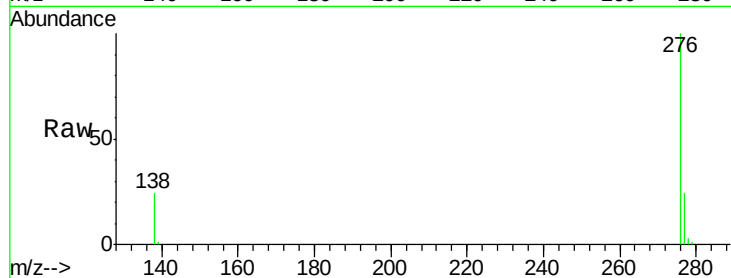
#37
 Benzo(g,h,i)perylene
 Concen: 6.04 ng
 RT: 26.61 min Scan# 4009
 Delta R.T. 0.00 min
 Lab File: BE089998.D
 Acq: 30 Jun 2015 2:21

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0690624-150625

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
277	24.4	18.8	28.2
138	23.7	18.6	27.8

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

