

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
 Data File : BE090044.D
 Acq On : 1 Jul 2015 15:41
 Operator : TP/IZ
 Sample : G2824-11DL 4X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL

Manual Integrations
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Quant Time: Jul 02 05:56:49 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	17714	5.00	ng	0.00
6) Naphthalene-d8	10.37	136	77675	5.00	ng	-0.02
12) Acenaphthene-d10	14.22	164	45345	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	107576	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	132416	5.00	ng	-0.01
32) Perylene-d12	23.44	264	127333	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	4943	1.21	ng	0.00
5) Phenol-d6	6.80	99	7026	1.23	ng	0.00
7) Nitrobenzene-d5	8.76	82	4279	0.69	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	1151	0.87	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	10323	0.76	ng	0.00
27) Terphenyl-d14	19.58	244	16294	0.74	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.42	128	1171	0.07	ng	# 88
16) Acenaphthene	14.28	154	933	0.08	ng	94
17) Fluorene	15.27	166	541	0.03	ng	# 78
22) Phenanthrene	17.00	178	22389	0.81	ng	99
23) Anthracene	17.10	178	4205m	0.17	ng	
24) Fluoranthene	19.01	202	91798	2.98	ng	100
26) Pyrene	19.37	202	90167	2.86	ng	96
28) Benzo(a)anthracene	21.10	228	73260	2.22	ng	99
29) Chrysene	21.16	228	80727	2.35	ng	98
31) Indeno(1,2,3-cd)pyrene	25.84	276	48186	1.46	ng	97
33) Benzo(b)fluoranthene	22.74	252	111327	3.96	ng	98
34) Benzo(k)fluoranthene	22.77	252	44048m	1.40	ng	
35) Benzo(a)pyrene	23.33	252	75795	2.92	ng	98
36) Dibenzo(a,h)anthracene	25.85	278	11974	0.45	ng	96
37) Benzo(g,h,i)perylene	26.57	276	51743	1.92	ng	98

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

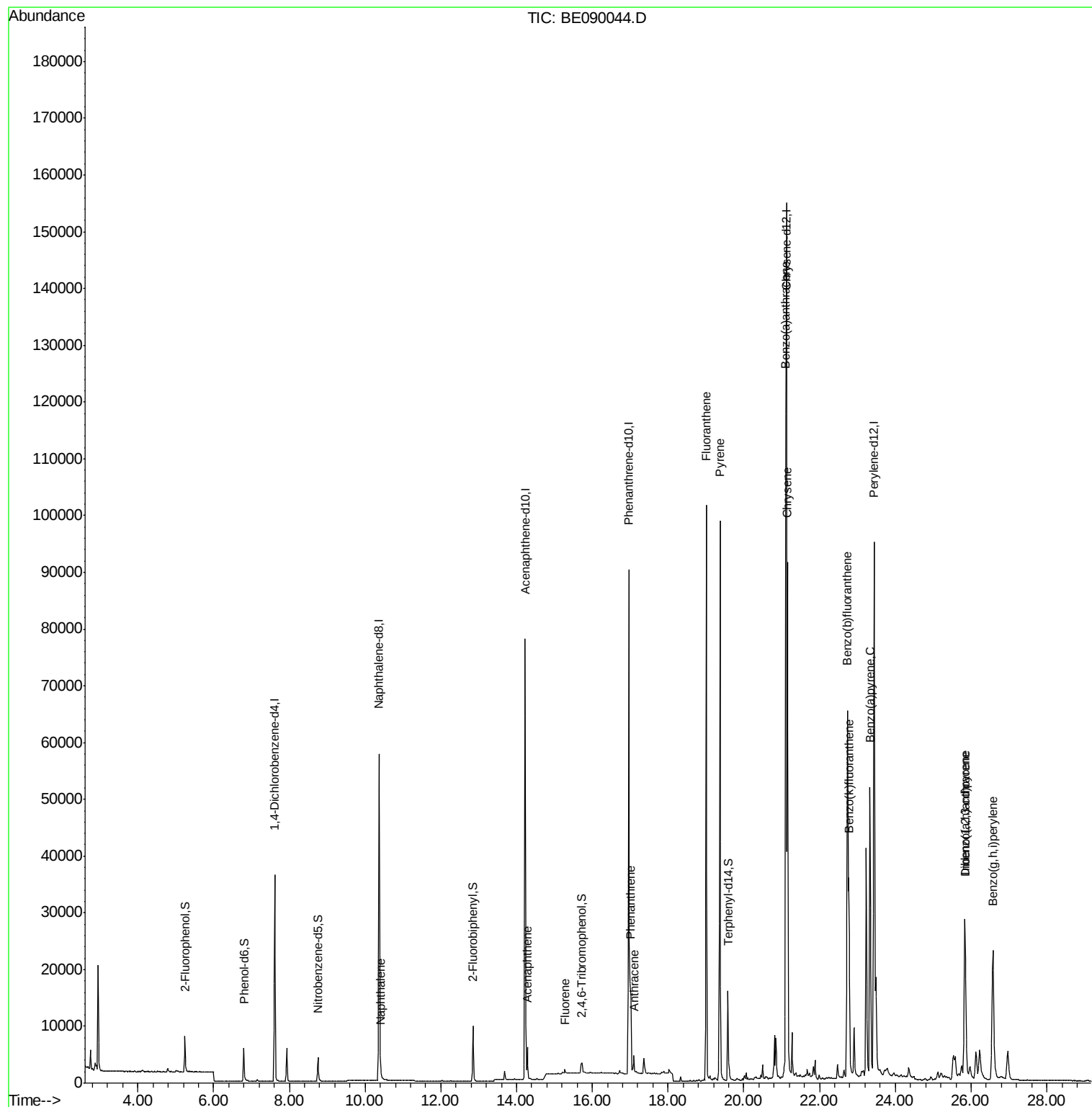
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070115\
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ALS Vial : 4 Sample Multiplier: 1

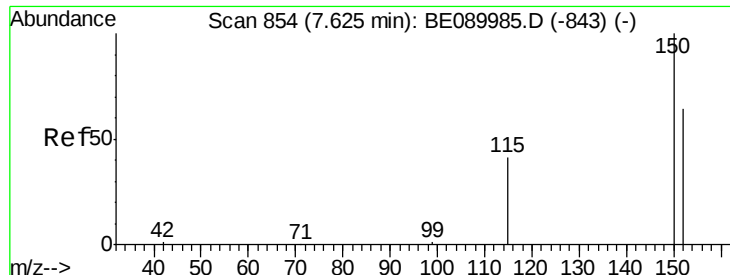
Instrument :
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Quant Time: Jul 02 05:56:49 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

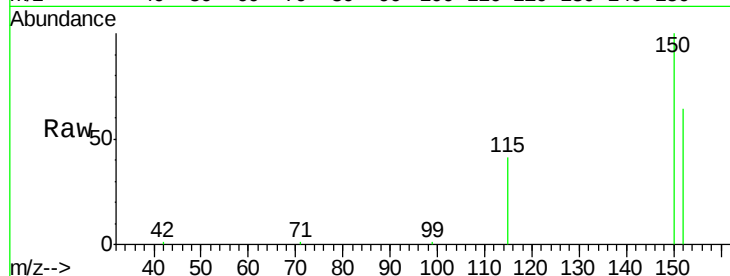




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 852
Delta R.T. -0.01 min
Lab File: BE090044.D
Acq: 1 Jul 2015 15:41

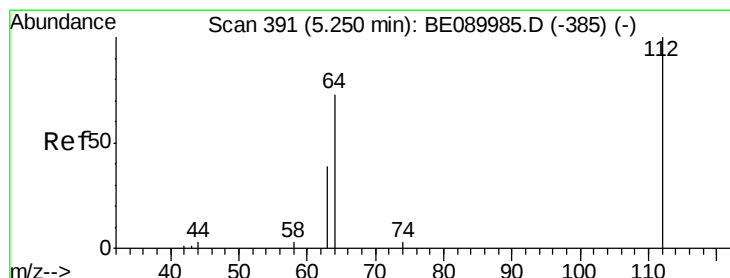
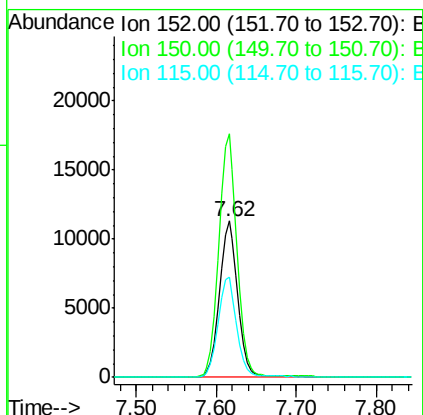
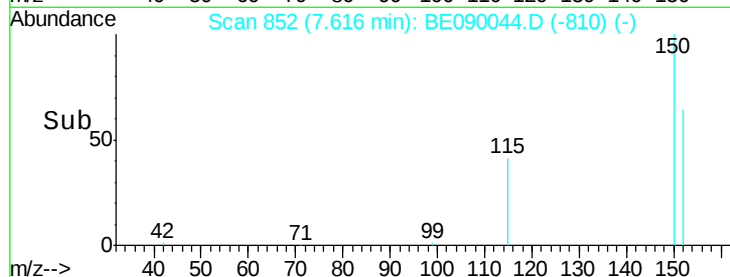
Instrument :
BNA_E
ClientSampleId :
X1SS0660624-150626DL



Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.9	185.9
115	64.0	50.6	76.0

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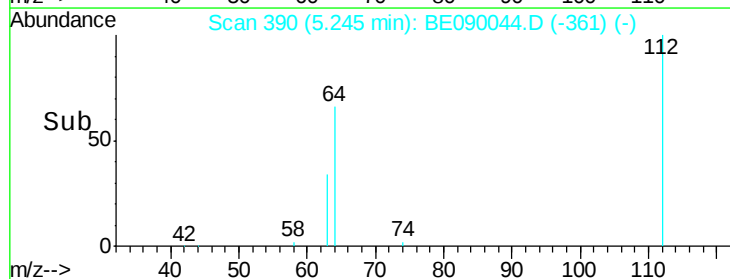
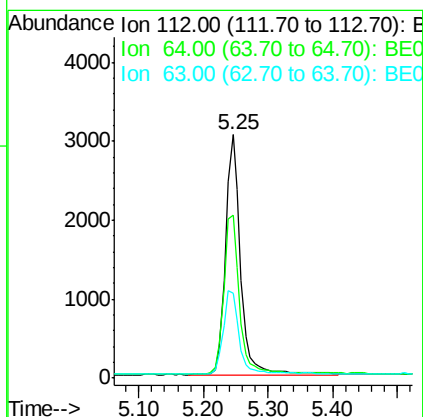
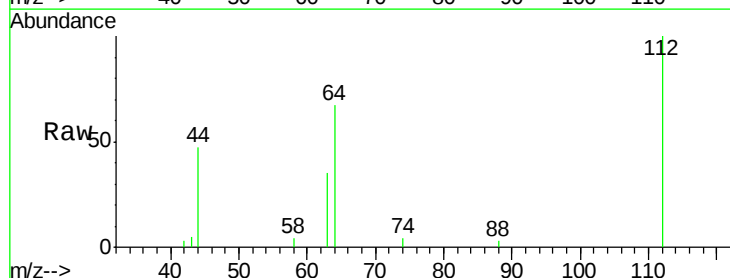
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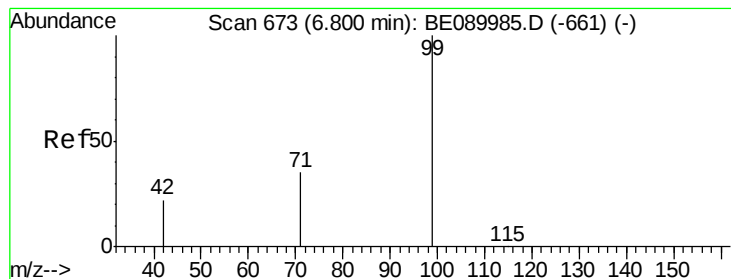


#4

2-Fluorophenol
Concen: 1.21 ng
RT: 5.25 min Scan# 390
Delta R.T. -0.00 min
Lab File: BE090044.D
Acq: 1 Jul 2015 15:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.5	56.3	84.5
63	35.9	29.8	44.6





#5

Phenol-d6

Concen: 1.23 ng

RT: 6.80 min Scan# 672

Delta R.T. -0.00 min

Lab File: BE090044.D

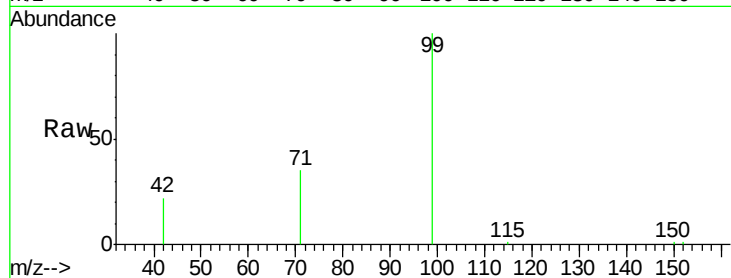
Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

ClientSampleId :

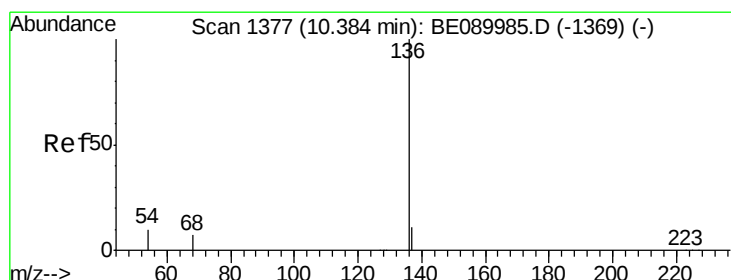
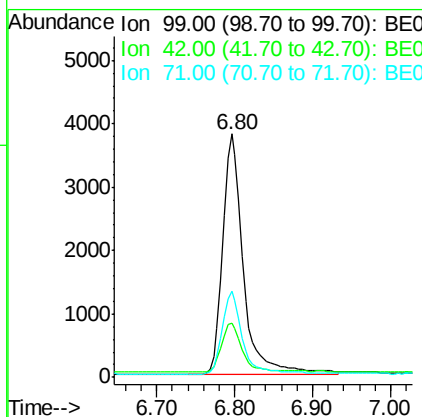
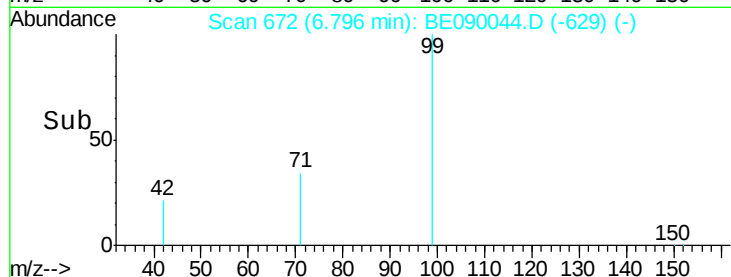
X1SS0660624-150626DL



Tgt Ion:	99	Resp:	7026
Ion	Ratio	Lower	Upper
99	100		
42	20.3	18.7	28.1
71	34.5	27.5	41.3

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#6

Naphthalene-d8

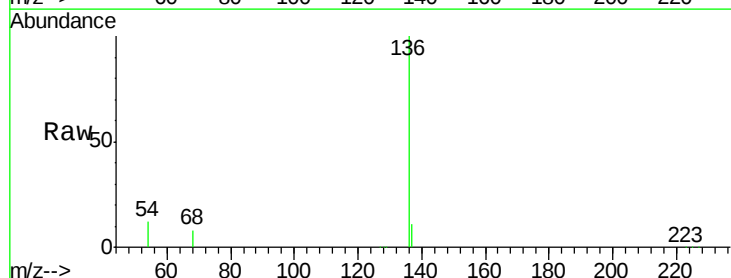
Concen: 5.00 ng

RT: 10.37 min Scan# 1375

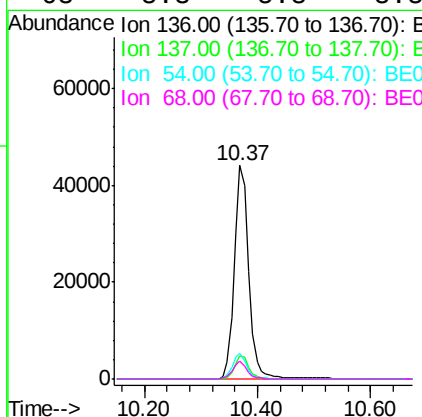
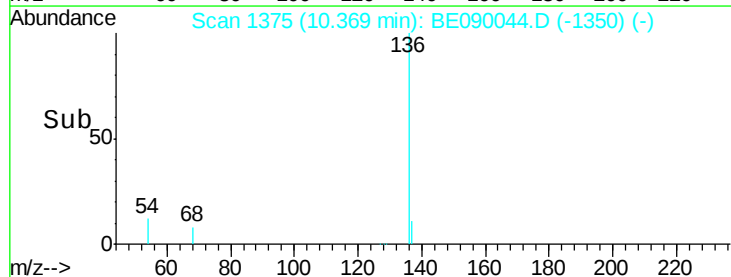
Delta R.T. -0.02 min

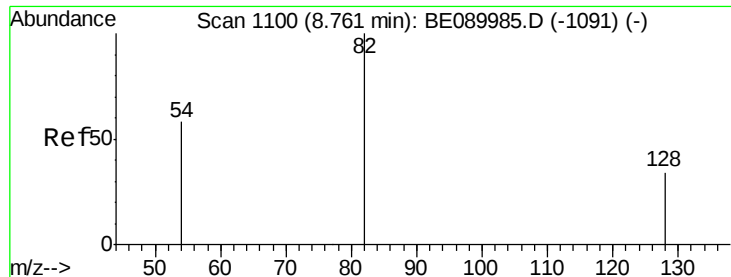
Lab File: BE090044.D

Acq: 1 Jul 2015 15:41



Tgt Ion:	136	Resp:	77675
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	11.8	8.2	12.4
68	8.3	5.8	8.8





#7

Nitrobenzene-d5

Concen: 0.69 ng

RT: 8.76 min Scan# 1099

Delta R.T. -0.01 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

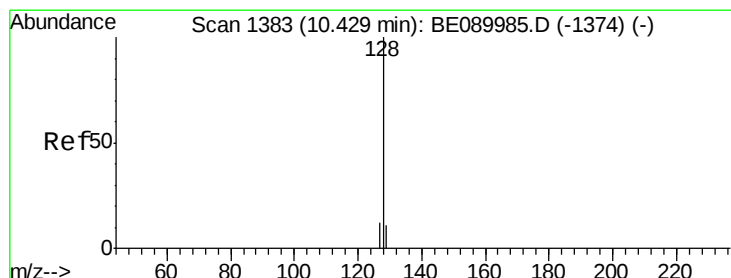
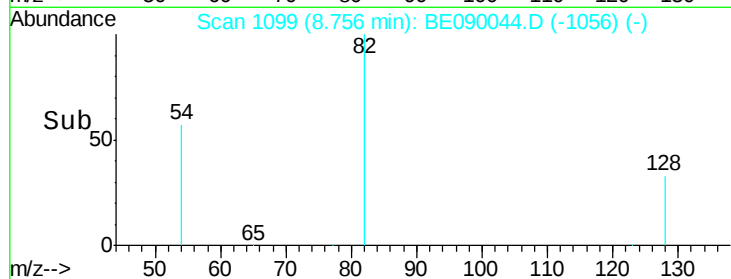
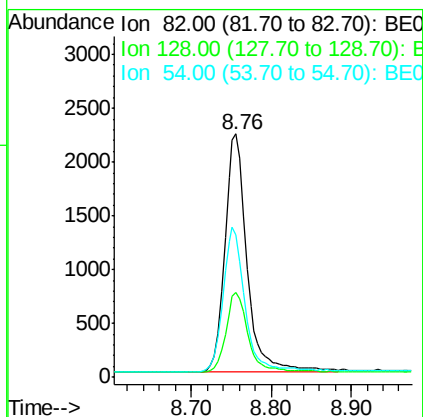
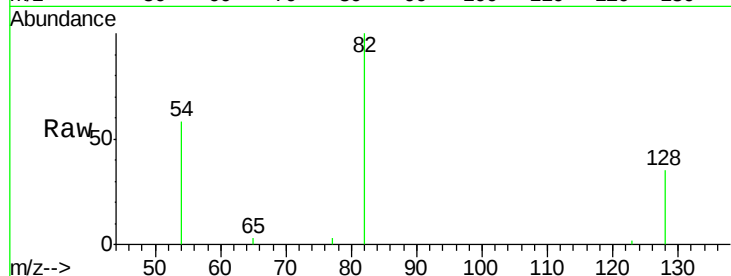
ClientSampleId :

X1SS0660624-150626DL

Tgt Ion:	82	Resp:	4279
Ion	Ratio	Lower	Upper
82	100		
128	34.6	28.0	42.0
54	58.4	47.6	71.4

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#9

Naphthalene

Concen: 0.07 ng

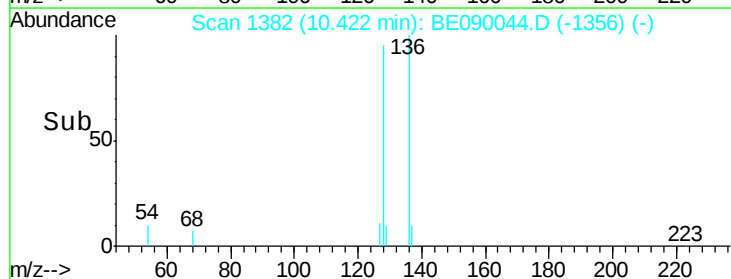
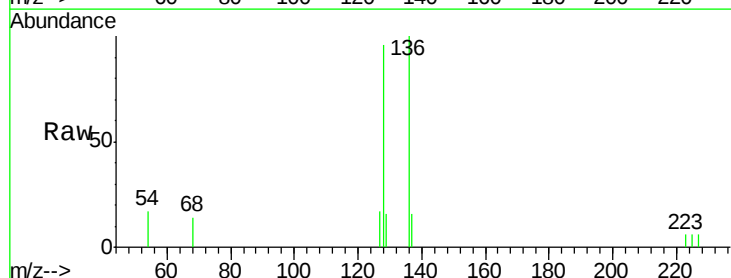
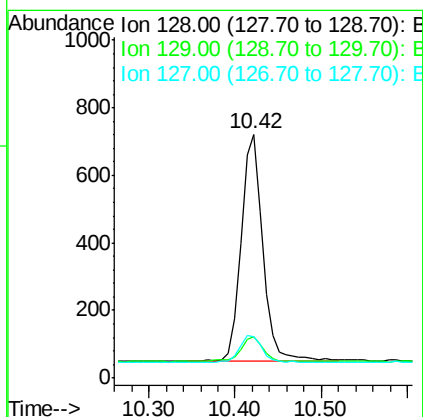
RT: 10.42 min Scan# 1382

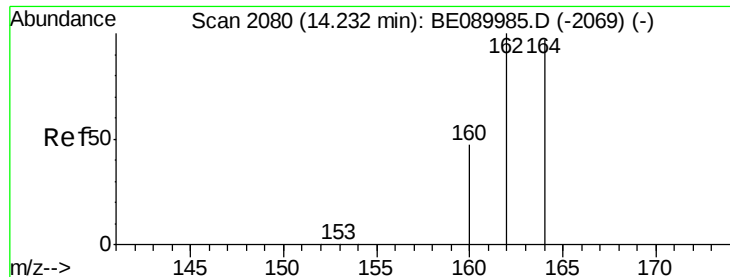
Delta R.T. -0.01 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Tgt Ion:	128	Resp:	1171
Ion	Ratio	Lower	Upper
128	100		
129	16.9	9.3	13.9#
127	17.2	10.2	15.4#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.22 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

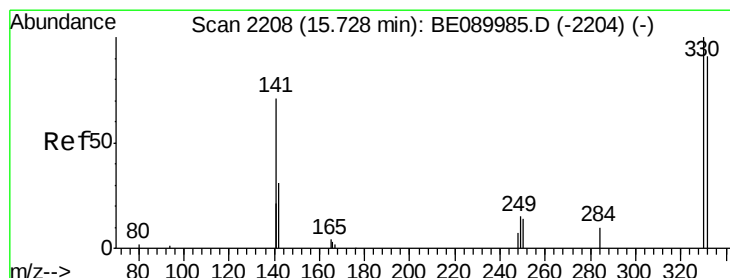
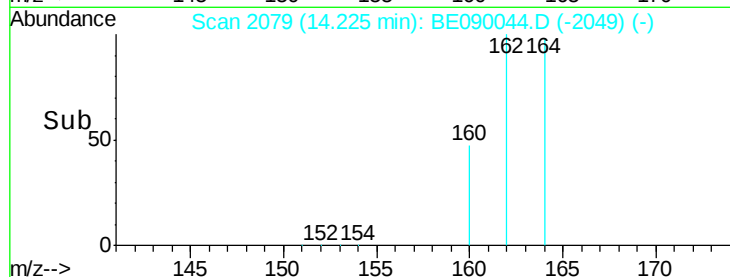
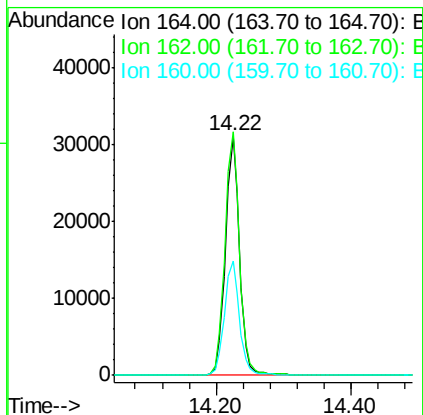
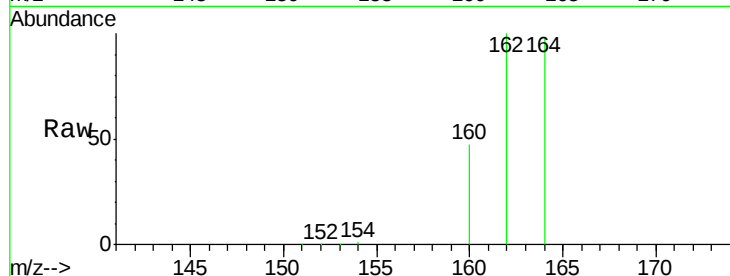
ClientSampleId :

X1SS0660624-150626DL

Tgt Ion:	164	Resp:	45345
Ion Ratio	Lower	Upper	
164	100		
162	102.1	82.2	123.4
160	47.8	39.0	58.6

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#13

2,4,6-Tribromophenol

Concen: 0.87 ng

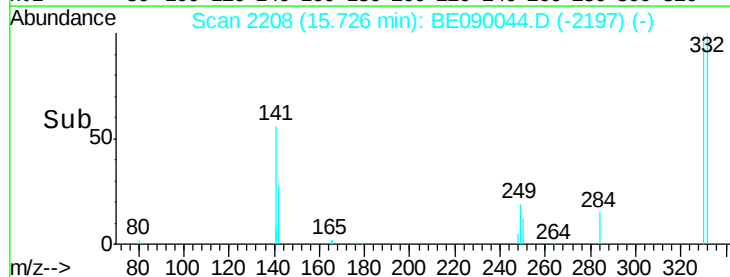
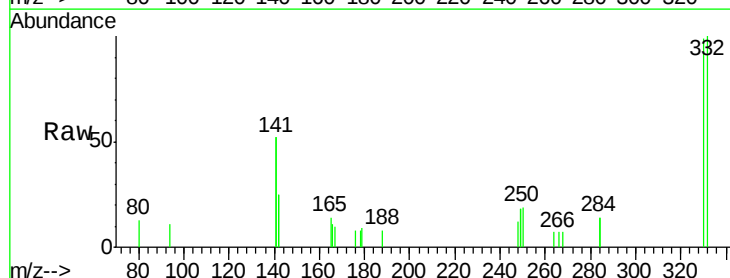
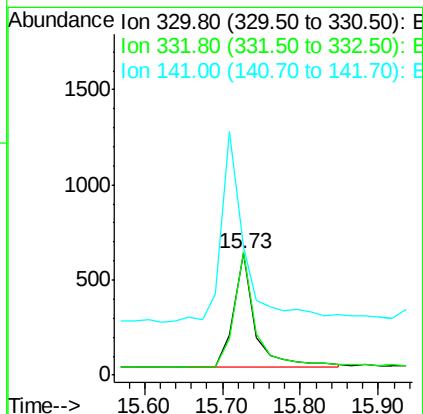
RT: 15.73 min Scan# 2208

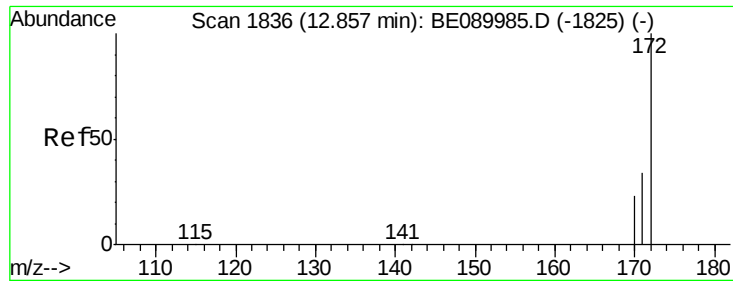
Delta R.T. -0.00 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Tgt Ion:	330	Resp:	1151
Ion Ratio	Lower	Upper	
330	100		
332	100.8	76.4	114.6
141	179.2	130.3	195.5





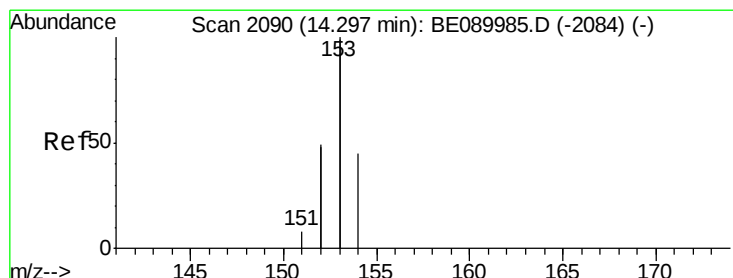
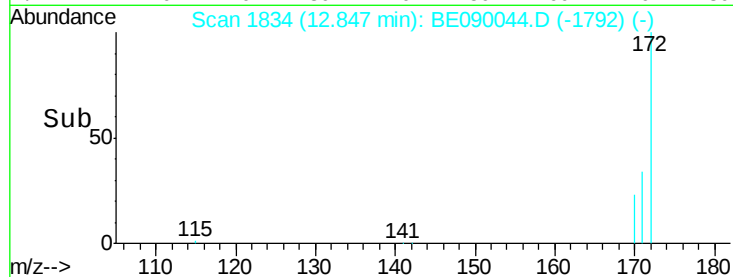
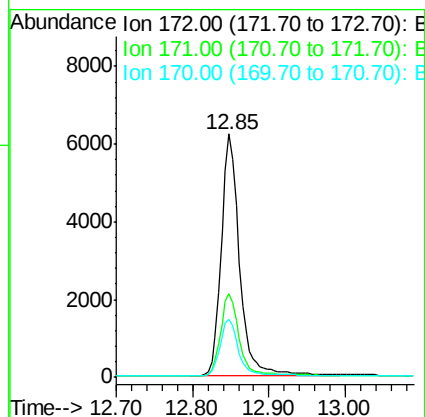
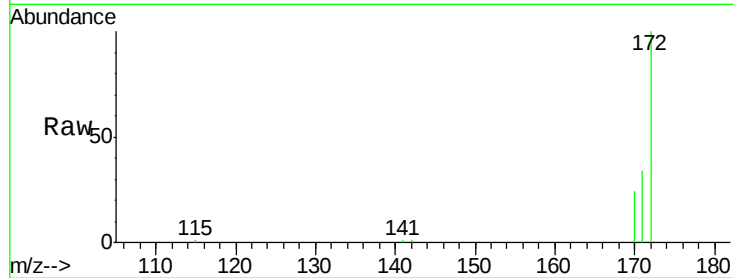
#14
2-Fluorobiphenyl
Concen: 0.76 ng
RT: 12.85 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BE090044.D
Acq: 1 Jul 2015 15:41

Instrument :
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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.8	41.6
170	23.7	18.3	27.5

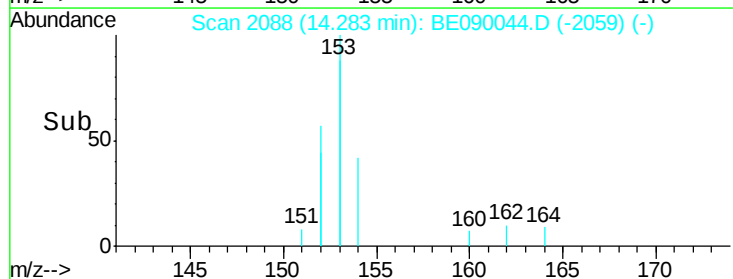
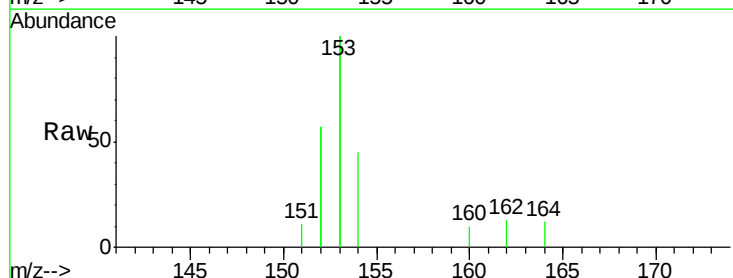
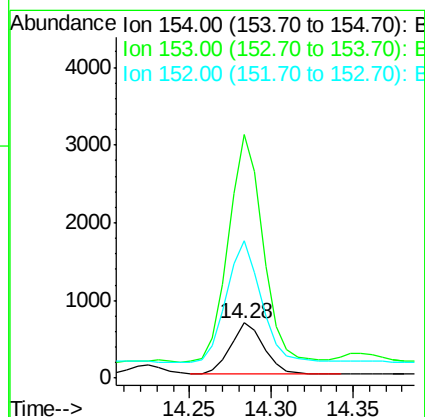
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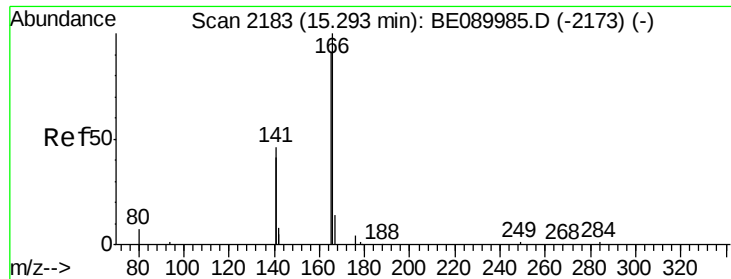
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#16
Acenaphthene
Concen: 0.08 ng
RT: 14.28 min Scan# 2088
Delta R.T. -0.01 min
Lab File: BE090044.D
Acq: 1 Jul 2015 15:41

Tgt Ion	Ratio	Lower	Upper
154	100		
153	461.0	358.6	538.0
152	251.3	189.6	284.4





#17

Fluorene

Concen: 0.03 ng

RT: 15.27 min Scan# 2182

Delta R.T. -0.02 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

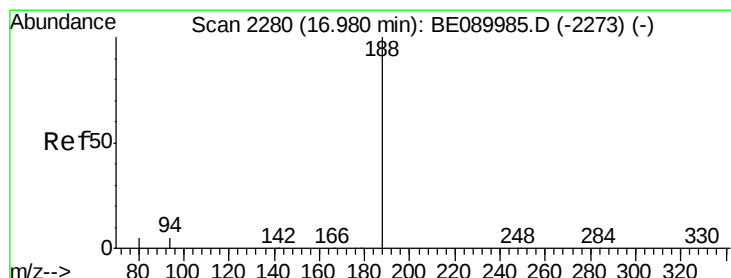
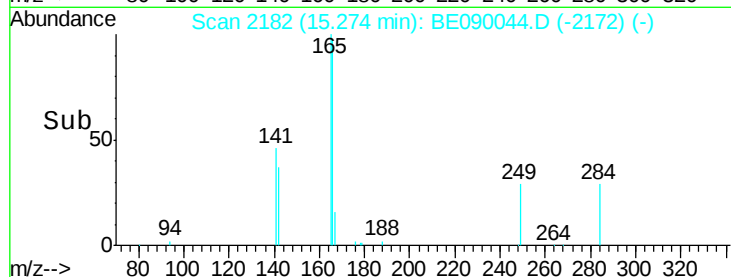
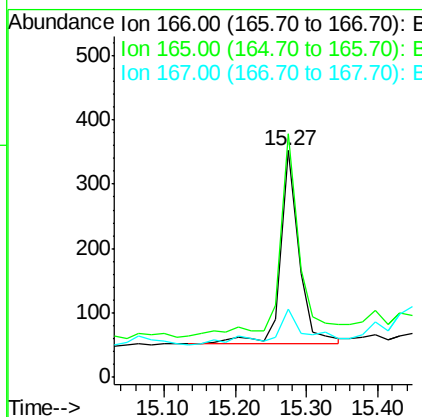
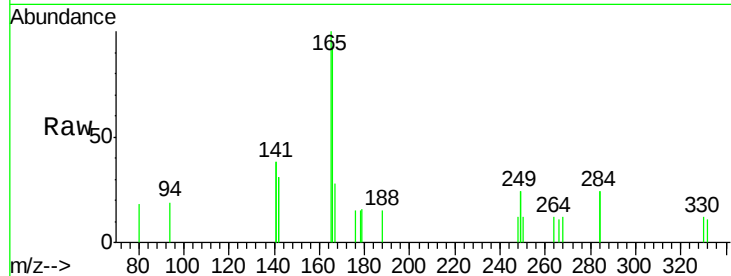
ClientSampleId :

X1SS0660624-150626DL

Tgt Ion:	166	Resp:	541
Ion Ratio	Lower	Upper	
166	100		
165	121.8	79.0	118.6#
167	19.2	11.8	17.8#

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#18

Phenanthrene-d10

Concen: 5.00 ng

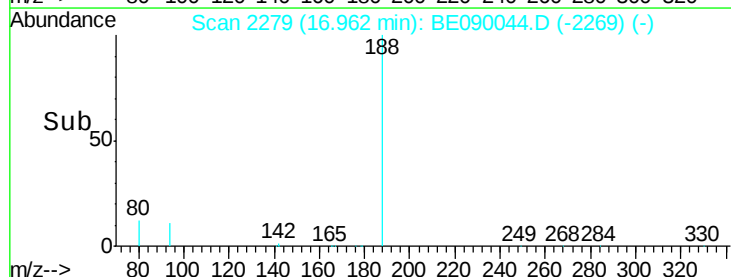
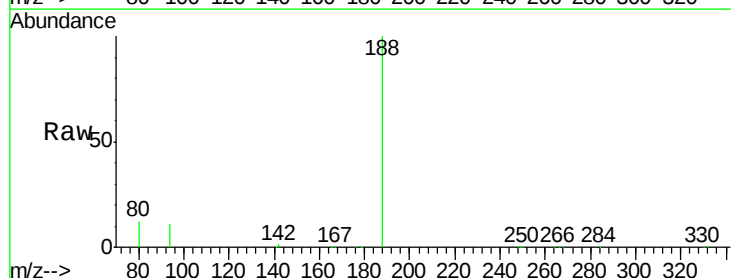
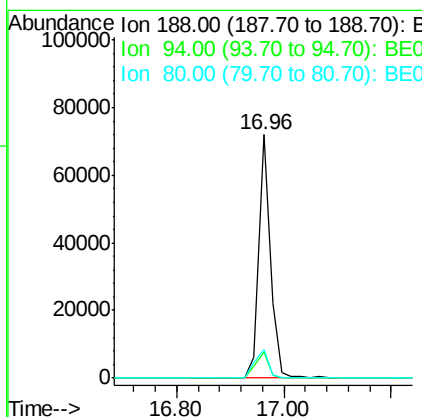
RT: 16.96 min Scan# 2279

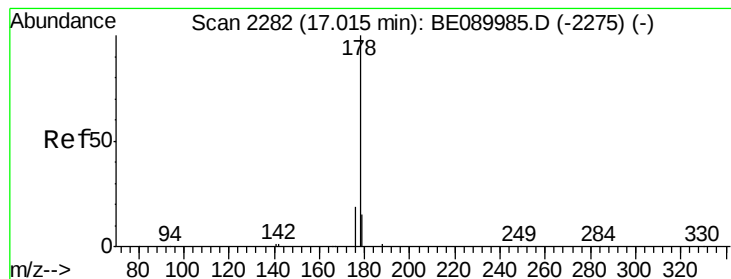
Delta R.T. -0.02 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Tgt Ion:	188	Resp:	107576
Ion Ratio	Lower	Upper	
188	100		
94	10.7	4.1	6.1#
80	11.6	4.2	6.2#





#22

Phenanthrene

Concen: 0.81 ng

RT: 17.00 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BE090044.D

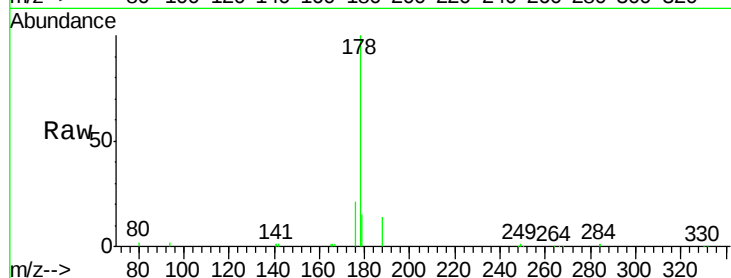
Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

ClientSampleId :

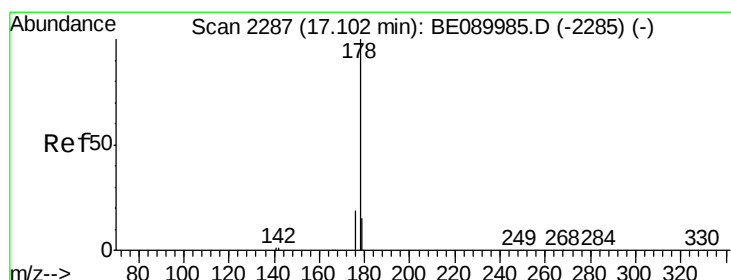
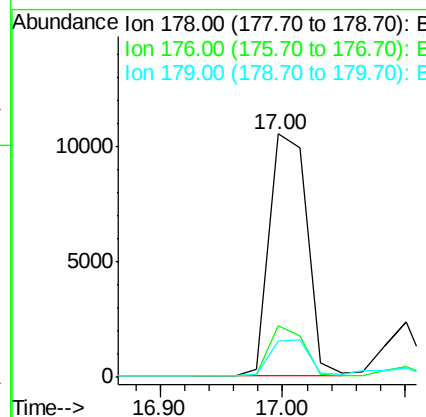
X1SS0660624-150626DL



Tgt Ion:	178	Resp:	22389
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.3	22.9
179	15.8	12.4	18.6

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#23

Anthracene

Concen: 0.17 ng m

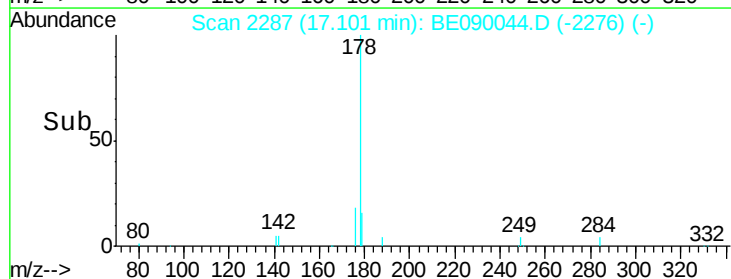
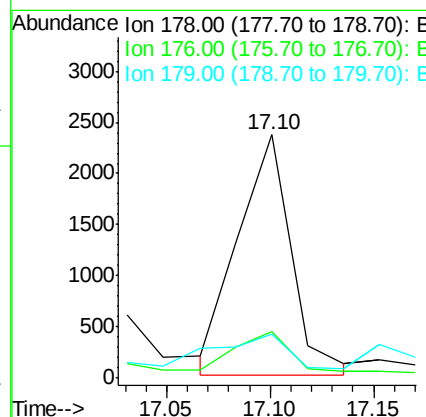
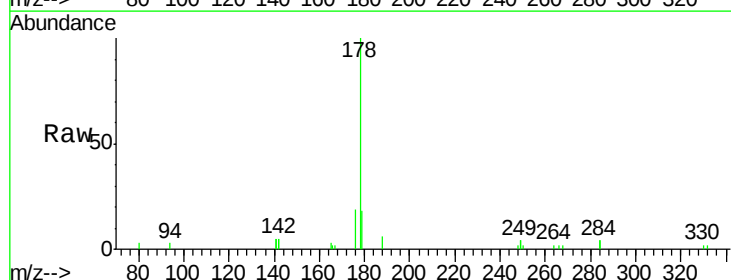
RT: 17.10 min Scan# 2287

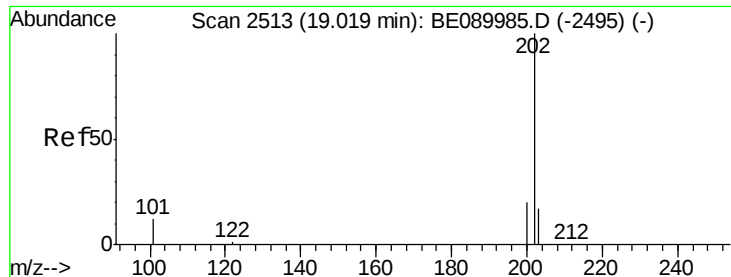
Delta R.T. -0.00 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Tgt Ion:	178	Resp:	4205
Ion Ratio	Lower	Upper	
178	100		
176	102.7	14.7	22.1#
179	83.4	12.1	18.1#





#24

Fluoranthene

Concen: 2.98 ng

RT: 19.01 min Scan# 2511

Delta R.T. -0.01 min

Lab File: BE090044.D

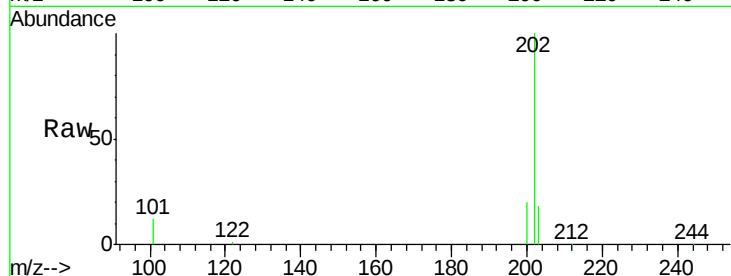
Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

ClientSampleId :

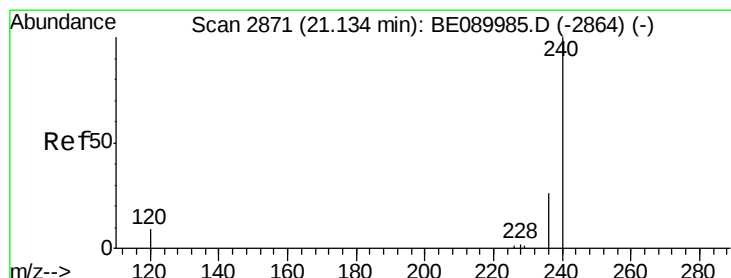
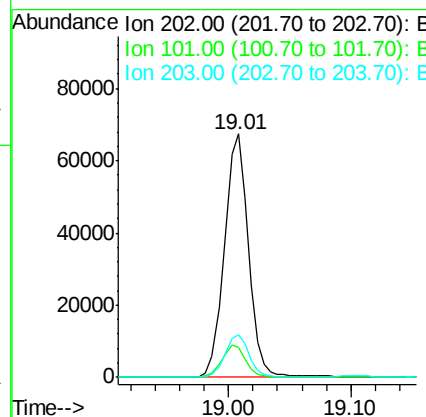
X1SS0660624-150626DL



Tgt Ion	Ratio	Resp	Lower	Upper
202	100	91798		
101	13.1	10.6	15.8	
203	17.3	13.8	20.6	

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#25

Chrysene-d12

Concen: 5.00 ng

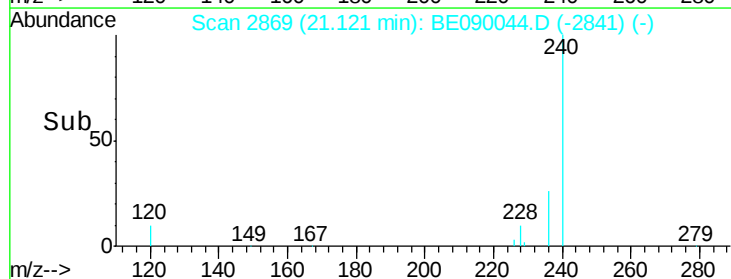
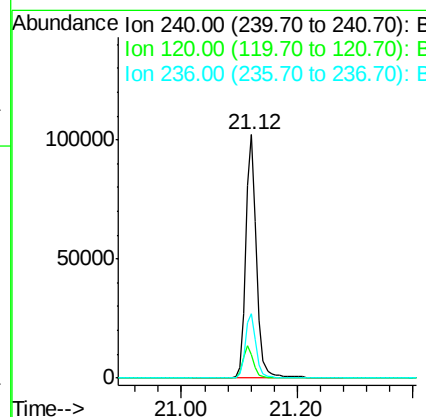
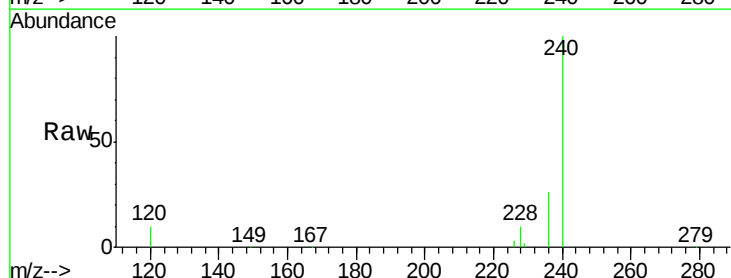
RT: 21.12 min Scan# 2869

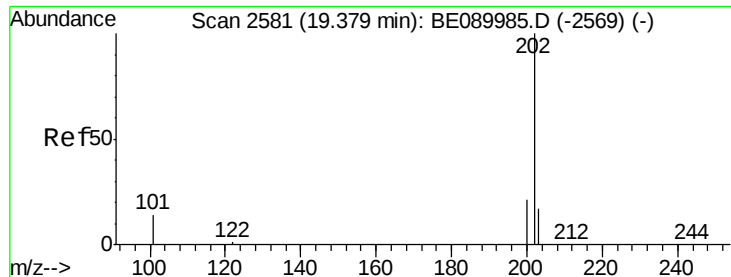
Delta R.T. -0.01 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	132416		
120	9.7	6.9	10.3	
236	26.3	20.8	31.2	





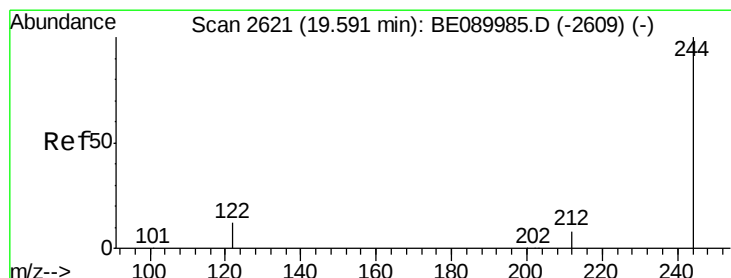
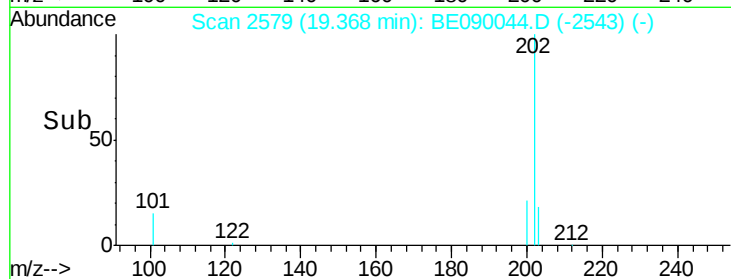
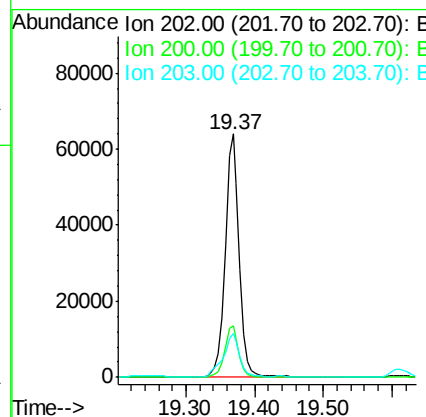
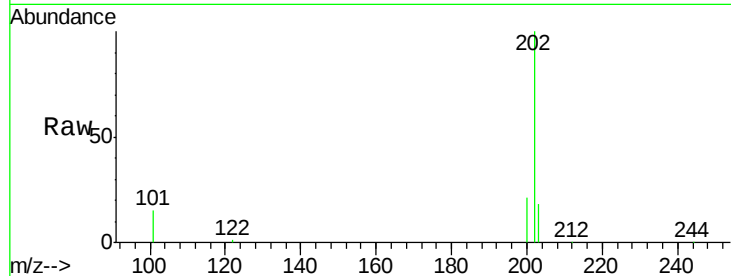
#26
 Pyrene
 Concen: 2.86 ng
 RT: 19.37 min Scan# 2579
 Delta R.T. -0.01 min
 Lab File: BE090044.D
 Acq: 1 Jul 2015 15:41

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.8	25.2
203	20.8	13.9	20.9

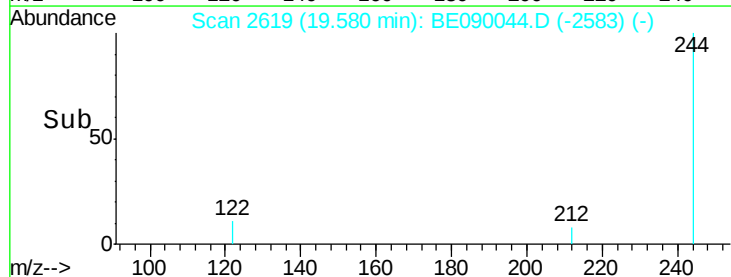
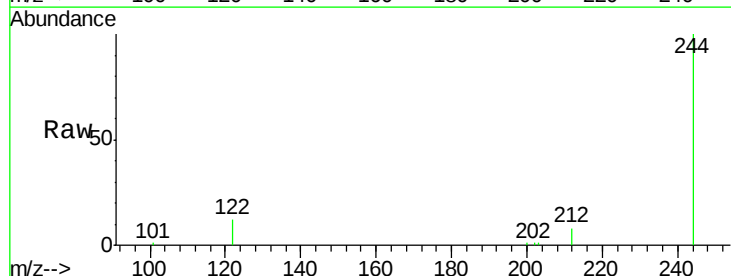
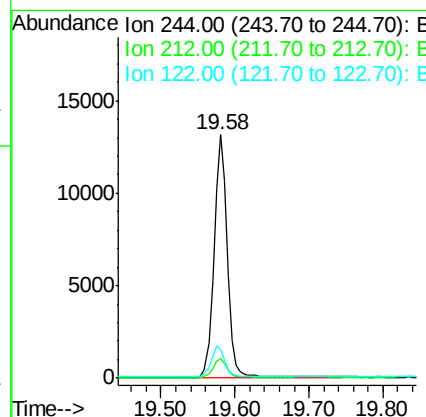
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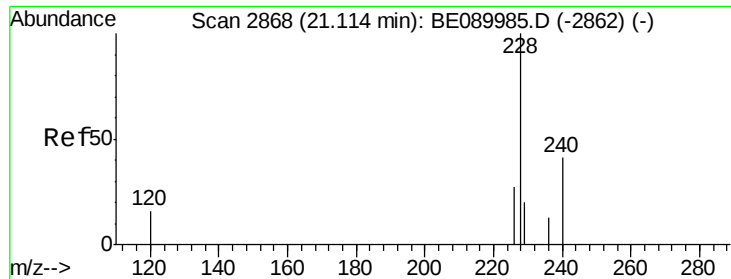
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#27
 Terphenyl-d14
 Concen: 0.74 ng
 RT: 19.58 min Scan# 2619
 Delta R.T. -0.01 min
 Lab File: BE090044.D
 Acq: 1 Jul 2015 15:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.6	9.8
122	11.8	9.8	14.8





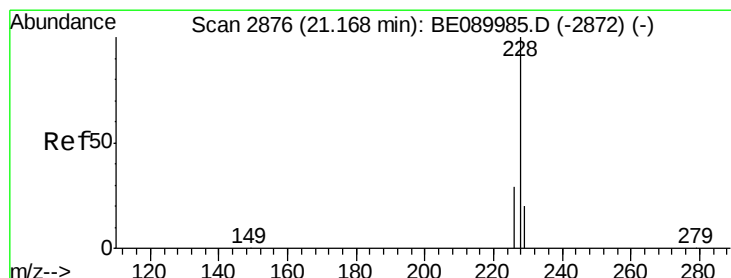
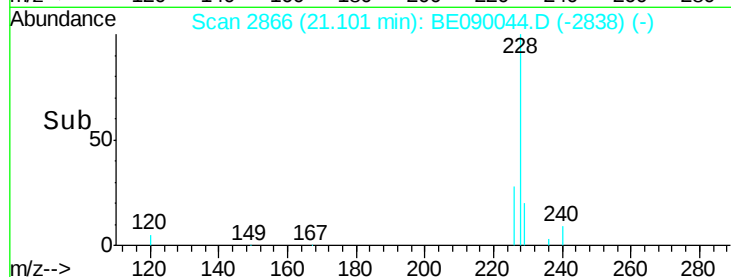
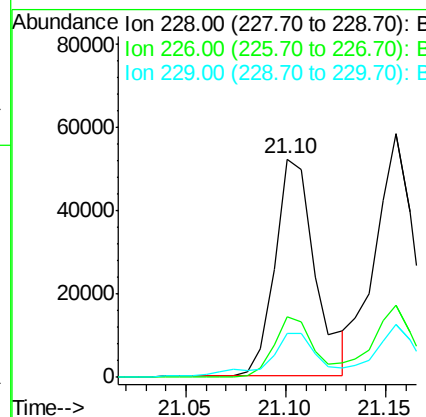
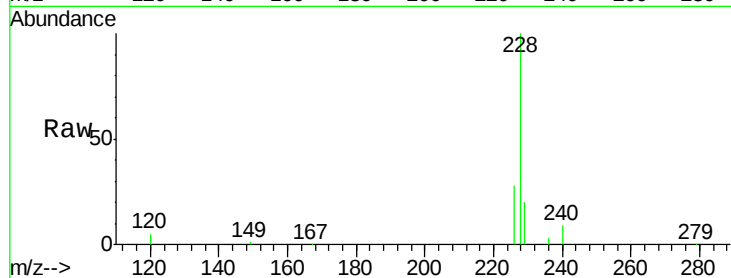
#28
Benzo(a)anthracene
Concen: 2.22 ng
RT: 21.10 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BE090044.D
Acq: 1 Jul 2015 15:41

Instrument :
BNA_E
ClientSampleId :
X1SS0660624-150626DL

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.8	32.6
229	20.3	15.8	23.6

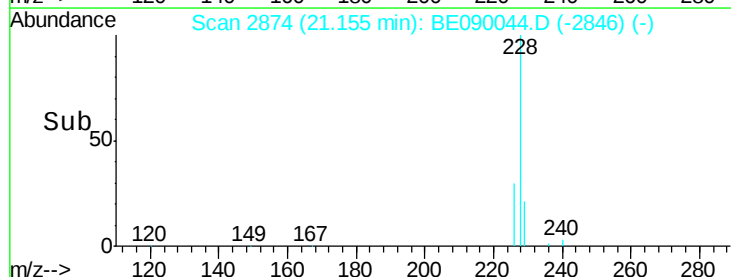
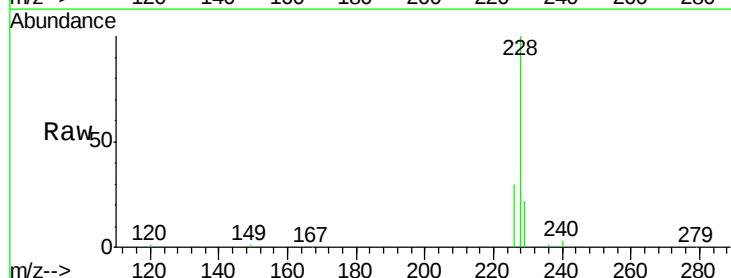
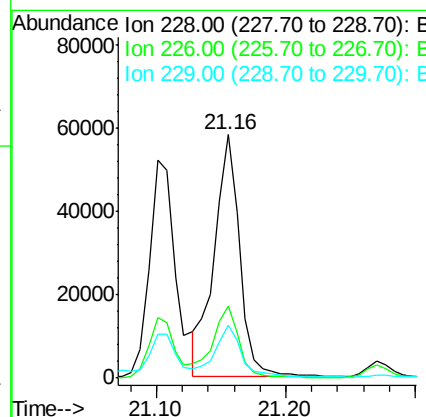
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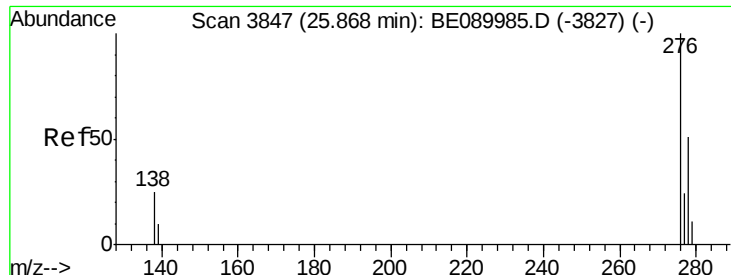
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#29
Chrysene
Concen: 2.35 ng
RT: 21.16 min Scan# 2874
Delta R.T. -0.01 min
Lab File: BE090044.D
Acq: 1 Jul 2015 15:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.0
229	21.6	16.2	24.2





#31

Indeno(1,2,3-cd)pyrene

Concen: 1.46 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.03 min

Lab File: BE090044.D

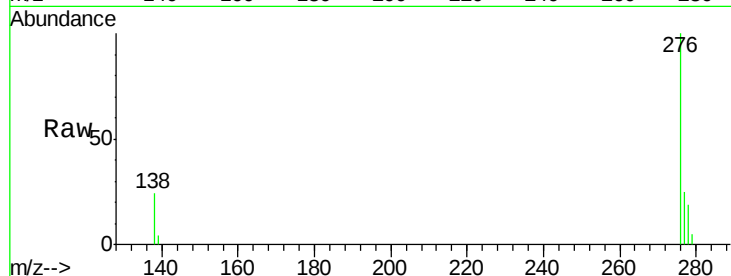
Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

ClientSampleId :

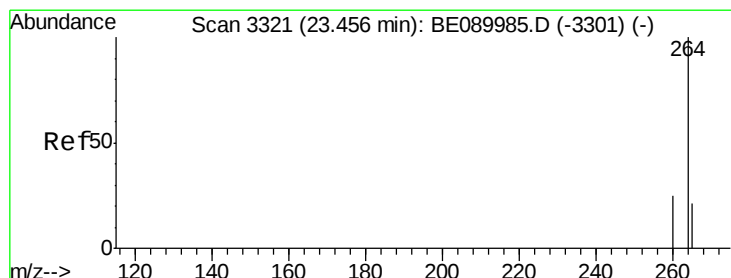
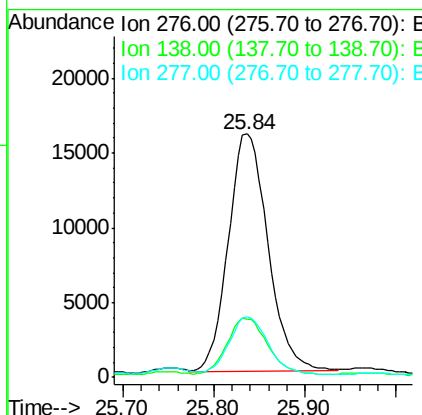
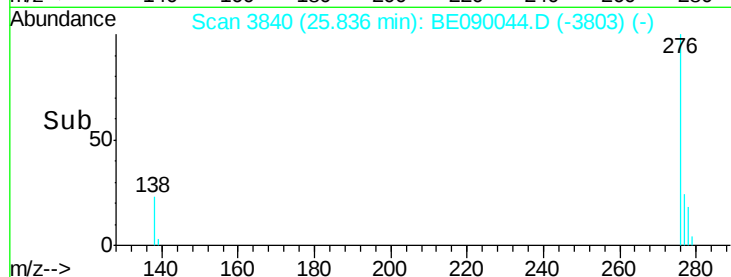
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Tgt Ion:	276	Resp:	48186
Ion Ratio	Lower	Upper	
276	100		
138	24.7	21.3	31.9
277	24.0	19.7	29.5

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#32

Perylene-d12

Concen: 5.00 ng

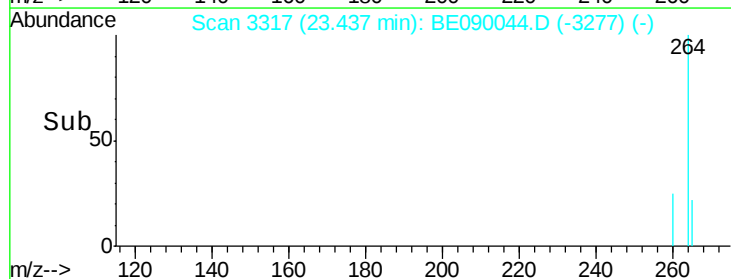
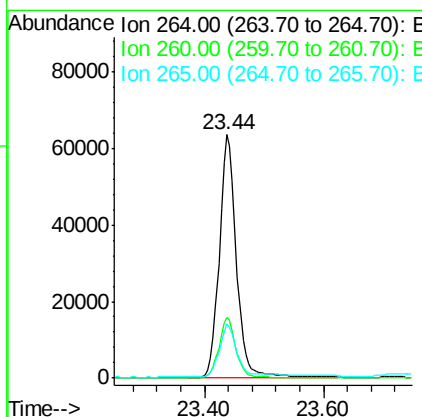
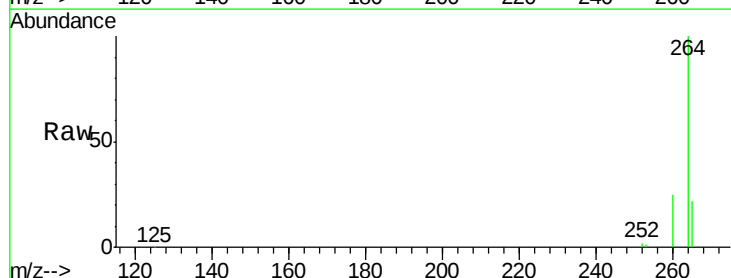
RT: 23.44 min Scan# 3317

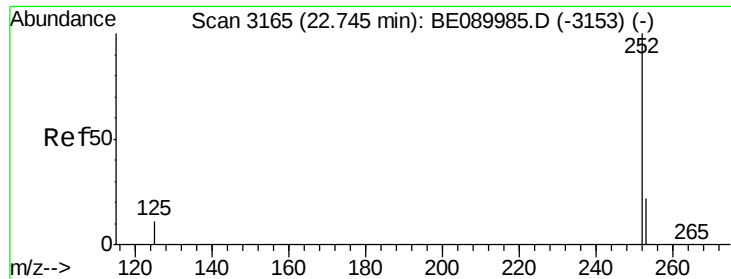
Delta R.T. -0.02 min

Lab File: BE090044.D

Acq: 1 Jul 2015 15:41

Tgt Ion:	264	Resp:	127333
Ion Ratio	Lower	Upper	
264	100		
260	25.1	20.2	30.2
265	22.1	17.1	25.7





#33

Benzo(b)fluoranthene

Concen: 3.96 ng

RT: 22.74 min Scan# 3163

Delta R.T. -0.01 min

Lab File: BE090044.D

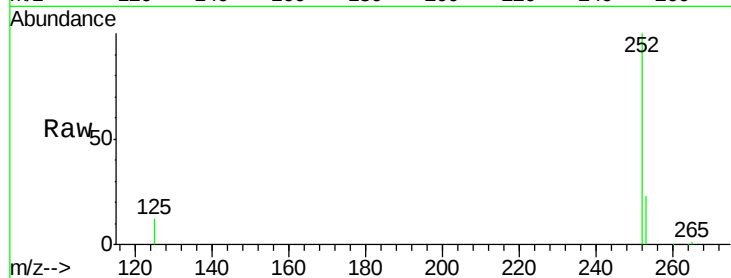
Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

ClientSampleId :

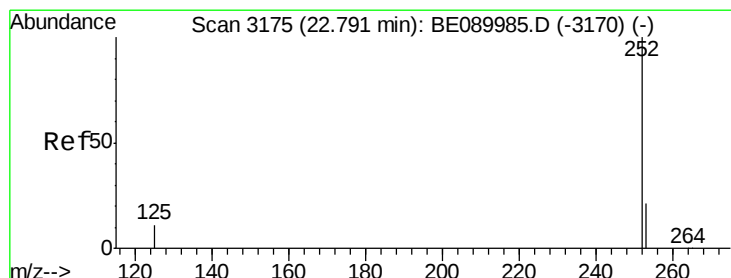
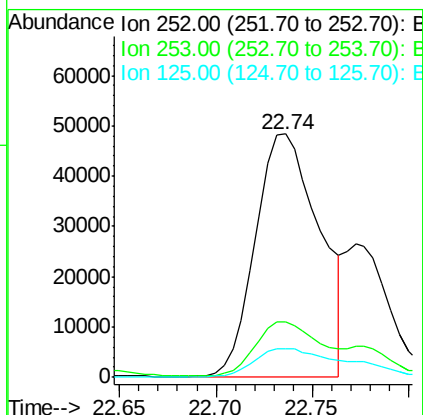
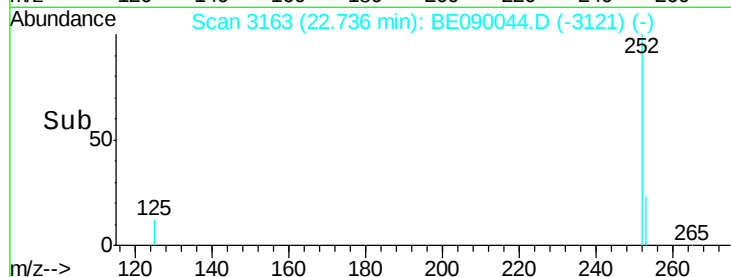
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.9	9.0	13.4

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#34

Benzo(k)fluoranthene

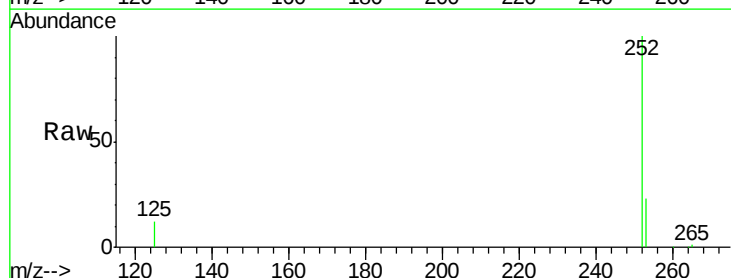
Concen: 1.40 ng m

RT: 22.77 min Scan# 3171

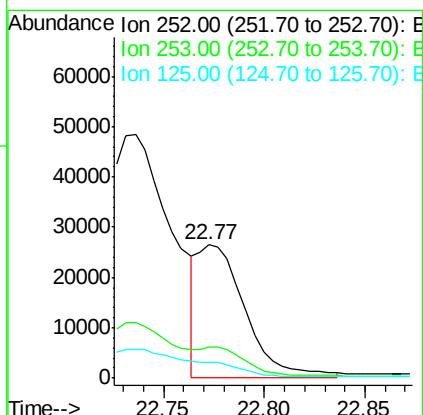
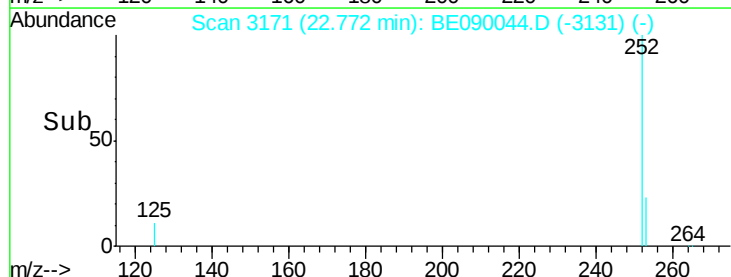
Delta R.T. -0.02 min

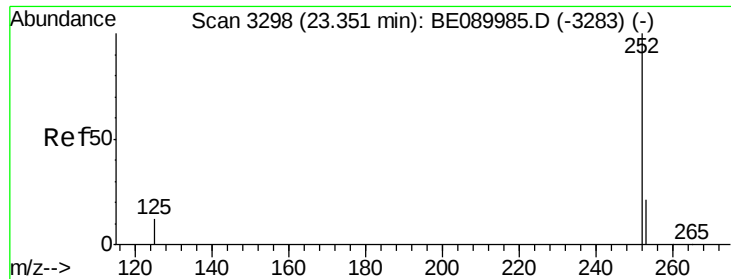
Lab File: BE090044.D

Acq: 1 Jul 2015 15:41



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.5	26.3
125	12.0	9.5	14.3





#35

Benzo(a)pyrene

Concen: 2.92 ng

RT: 23.33 min Scan# 3294

Delta R.T. -0.02 min

Lab File: BE090044.D

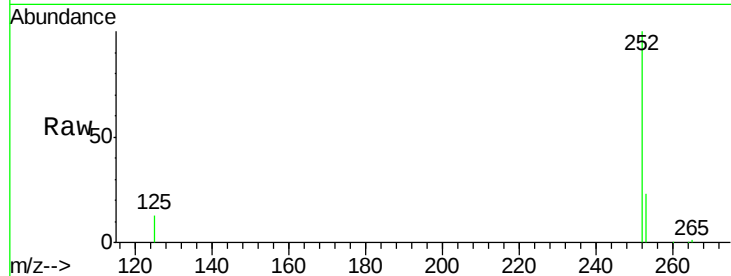
Acq: 1 Jul 2015 15:41

Instrument :

BNA_E

ClientSampleId :

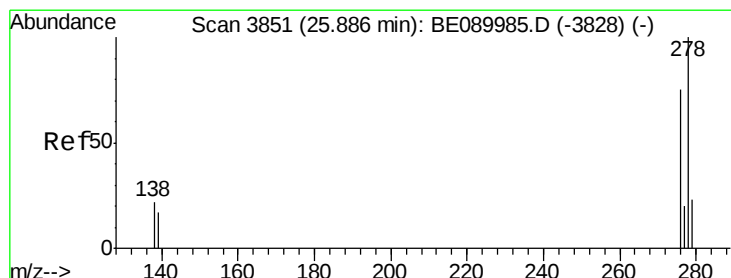
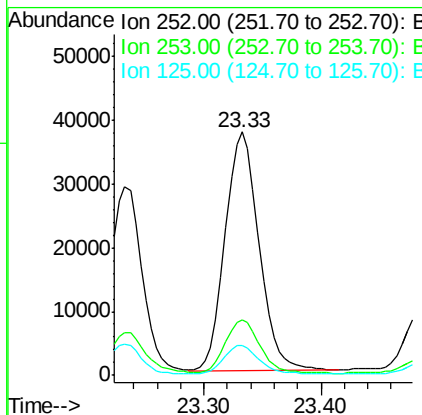
X1SS0660624-150626DL



Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	12.5	10.5	15.7

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#36

Dibenzo(a,h)anthracene

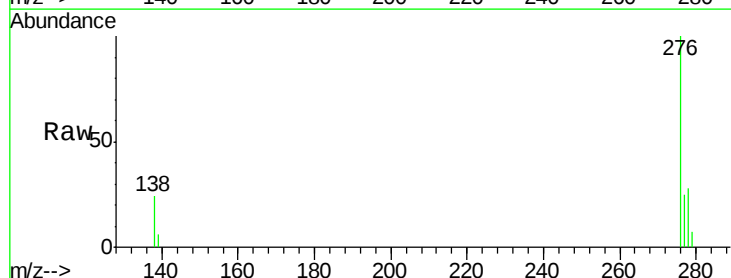
Concen: 0.45 ng

RT: 25.85 min Scan# 3843

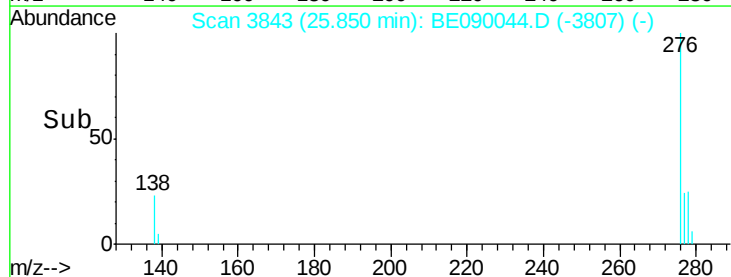
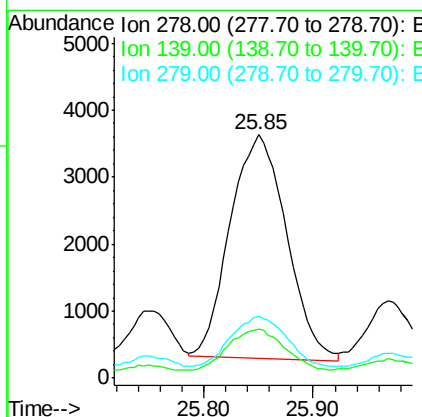
Delta R.T. -0.04 min

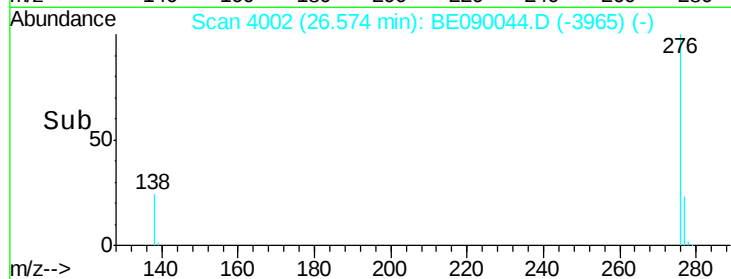
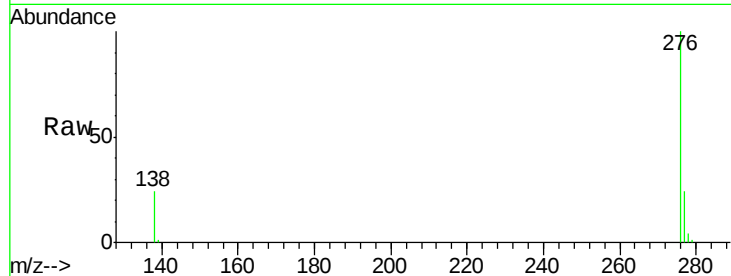
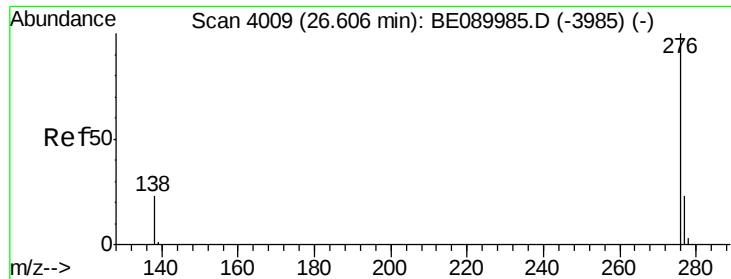
Lab File: BE090044.D

Acq: 1 Jul 2015 15:41



Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.2	14.4	21.6
279	25.3	19.0	28.6





#37
 Benzo(g,h,i)perylene
 Concen: 1.92 ng
 RT: 26.57 min Scan# 4002
 Delta R.T. -0.03 min
 Lab File: BE090044.D
 Acq: 1 Jul 2015 15:41

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0660624-150626DL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.8	28.2
138	24.4	18.6	27.8

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