

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070215\
 Data File : BE090053.D
 Acq On : 2 Jul 2015 16:33
 Operator : TP/IZ
 Sample : G2810-02RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600624-150625RE

Manual Integrations
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Quant Time: Jul 03 01:45:05 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	7.61	152	11663	5.00	ng	-0.02
6) Naphthalene-d8	10.37	136	53719	5.00	ng	-0.02
12) Acenaphthene-d10	14.22	164	30576	5.00	ng	-0.01
18) Phenanthrene-d10	16.96	188	68800	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	81273	5.00	ng	-0.01
32) Perylene-d12	23.44	264	74836	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	19859	7.41	ng	-0.01
5) Phenol-d6	6.79	99	31652	8.44	ng	-0.01
7) Nitrobenzene-d5	8.75	82	18677	4.38	ng	-0.01
13) 2,4,6-Tribromophenol	15.73	330	5321	5.94	ng	0.00
14) 2-Fluorobiphenyl	12.84	172	41363	4.50	ng	-0.01
27) Terphenyl-d14	19.58	244	59168	4.37	ng	-0.01
Target Compounds						Qvalue
9) Naphthalene	10.41	128	323	0.03	ng	# 57
11) 2-Methylnaphthalene	12.03	142	265	0.03	ng	# 87
15) Acenaphthylene	13.94	152	2187	0.04	ng	97
16) Acenaphthene	14.28	154	387	0.05	ng	91
17) Fluorene	15.27	166	822	0.08	ng	# 85
21) Pentachlorophenol	16.63	266	305	0.45	ng	92
22) Phenanthrene	17.00	178	5538	0.31	ng	98
23) Anthracene	17.10	178	1605m	0.10	ng	
24) Fluoranthene	19.00	202	12232	0.62	ng	100
26) Pyrene	19.36	202	11644	0.60	ng	97
28) Benzo(a)anthracene	21.10	228	8302	0.41	ng	99
29) Chrysene	21.16	228	9108	0.43	ng	98
30) Bis(2-ethylhexyl)phthalate	21.05	149	1013	0.41	ng	100
31) Indeno(1,2,3-cd)pyrene	25.84	276	4334	0.21	ng	99
33) Benzo(b)fluoranthene	22.73	252	10083	0.61	ng	96
34) Benzo(k)fluoranthene	22.77	252	4222m	0.23	ng	
35) Benzo(a)pyrene	23.33	252	6740	0.44	ng	# 94
36) Dibenzo(a,h)anthracene	25.85	278	1608	0.10	ng	# 79
37) Benzo(g,h,i)perylene	26.57	276	4305	0.27	ng	94

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

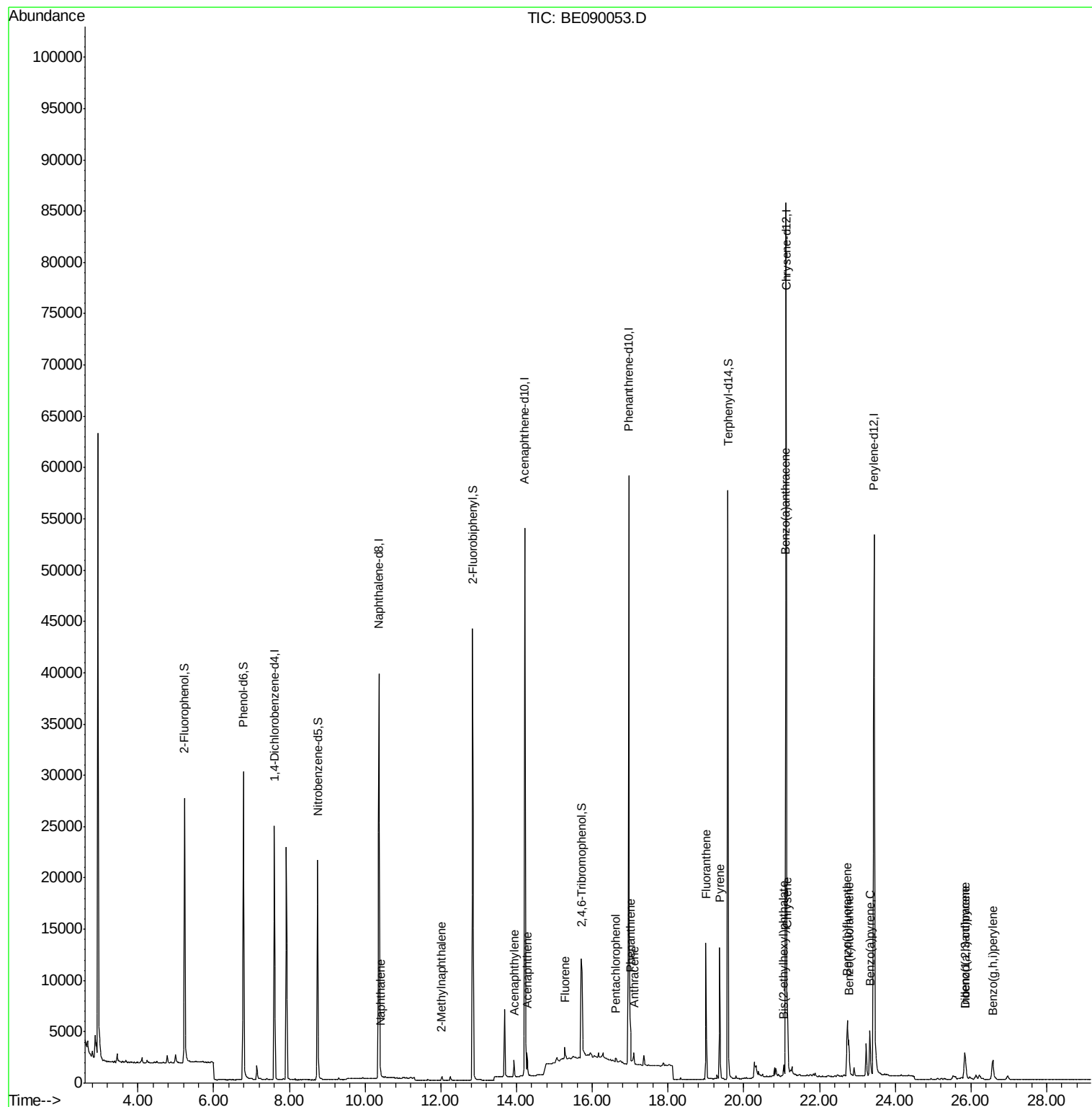
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE070215\
Data File : BE090053.D
Acq On : 2 Jul 2015 16:33
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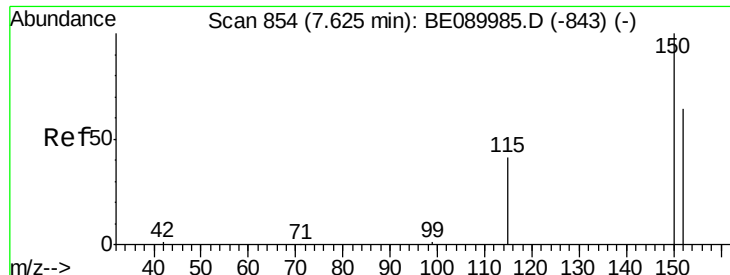
Instrument :
BNA_E
ClientSampleId :
X1SS0600624-150625RE

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Quant Time: Jul 03 01:45:05 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: 7.61 min Scan# 850

Delta R.T. -0.02 min

Lab File: BE090053.D

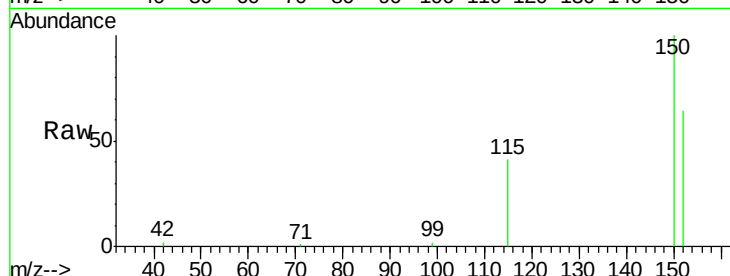
Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

ClientSampleId :

X1SS0600624-150625RE



Tgt Ion:152 Resp: 11663

Ion Ratio Lower Upper

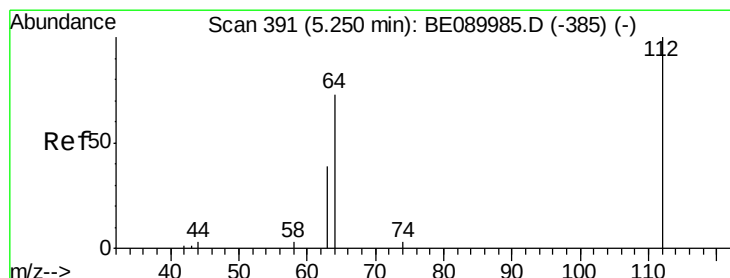
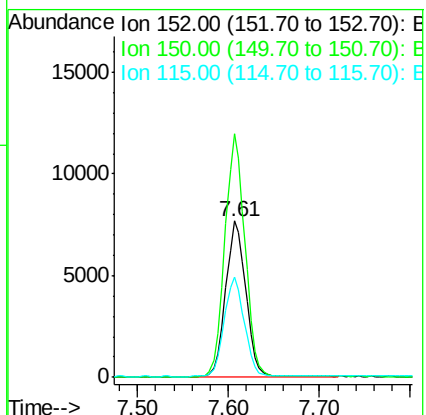
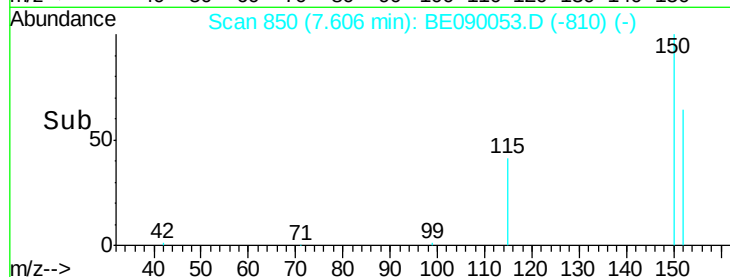
152 100

150 156.0 123.9 185.9

115 64.3 50.6 76.0

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#4

2-Fluorophenol

Concen: 7.41 ng

RT: 5.24 min Scan# 389

Delta R.T. -0.01 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

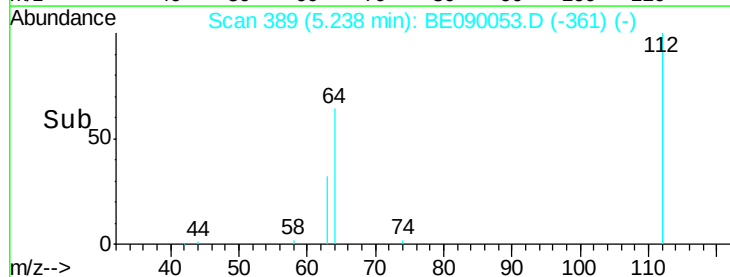
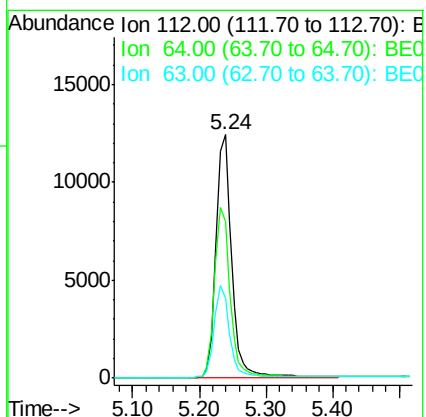
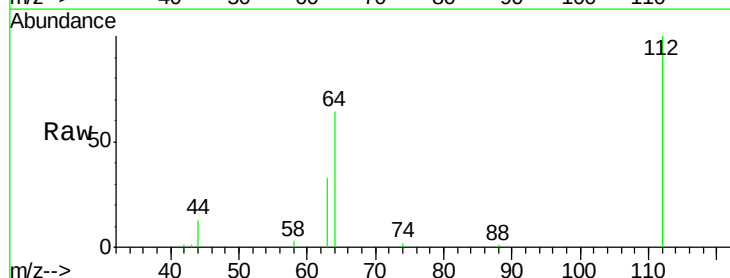
Tgt Ion:112 Resp: 19859

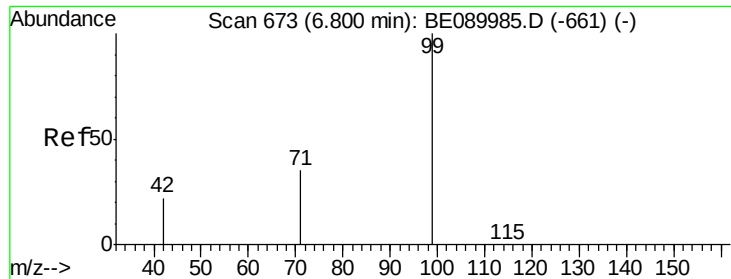
Ion Ratio Lower Upper

112 100

64 70.3 56.3 84.5

63 37.1 29.8 44.6





#5

Phenol-d6

Concen: 8.44 ng

RT: 6.79 min Scan# 670

Delta R.T. -0.01 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

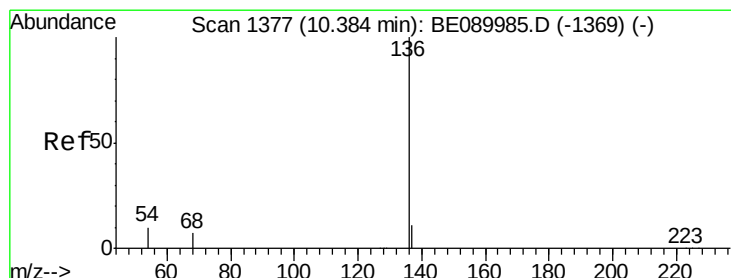
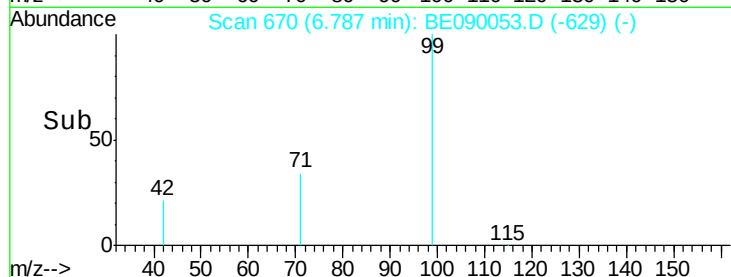
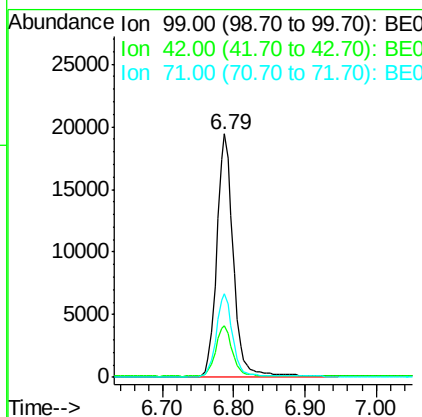
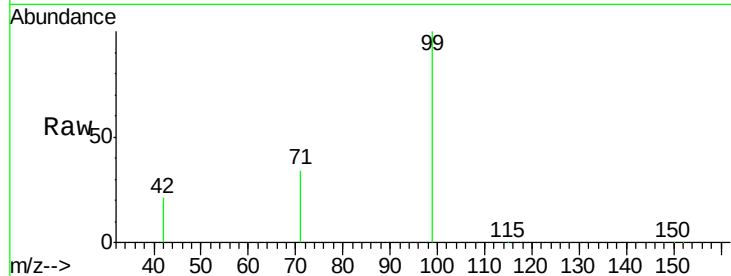
ClientSampleId :

X1SS0600624-150625RE

Tgt Ion:	99	Resp:	31652
Ion Ratio	Lower	Upper	
99	100		
42	21.0	18.7	28.1
71	34.1	27.5	41.3

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#6

Naphthalene-d8

Concen: 5.00 ng

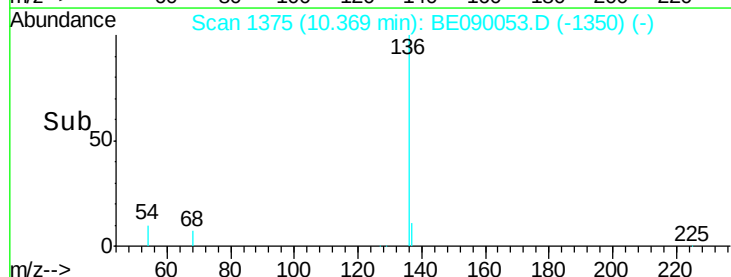
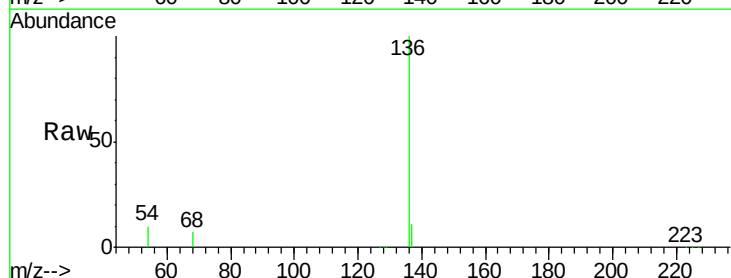
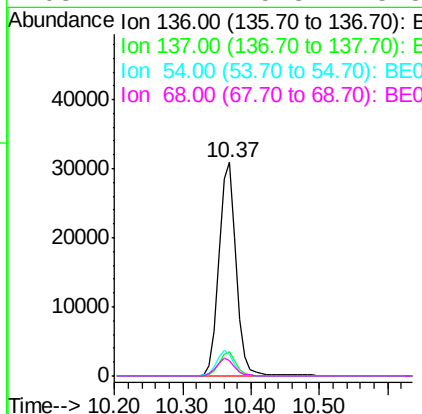
RT: 10.37 min Scan# 1375

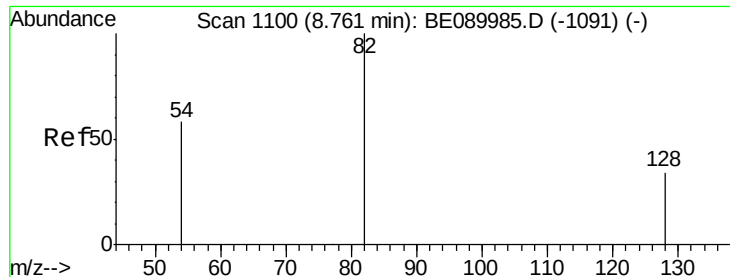
Delta R.T. -0.02 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Tgt Ion:	136	Resp:	53719
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	9.9	8.2	12.4
68	7.2	5.8	8.8





#7

Nitrobenzene-d5

Concen: 4.38 ng

RT: 8.75 min Scan# 1097

Delta R.T. -0.01 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

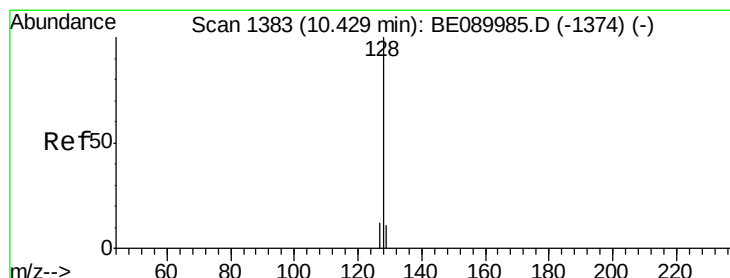
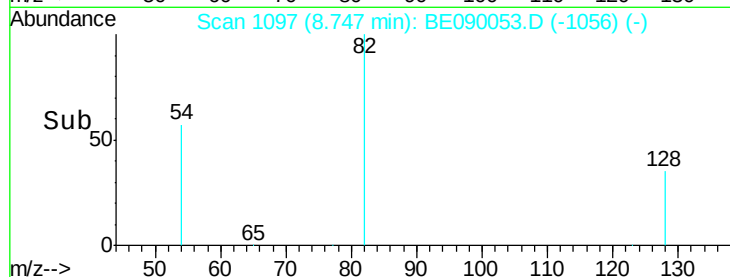
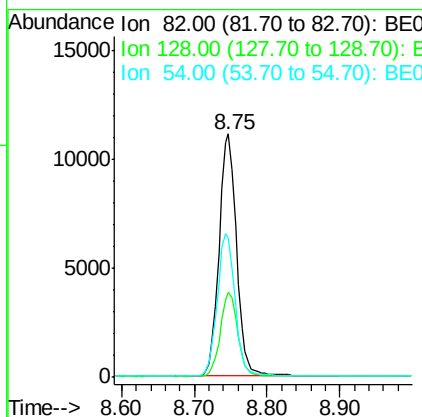
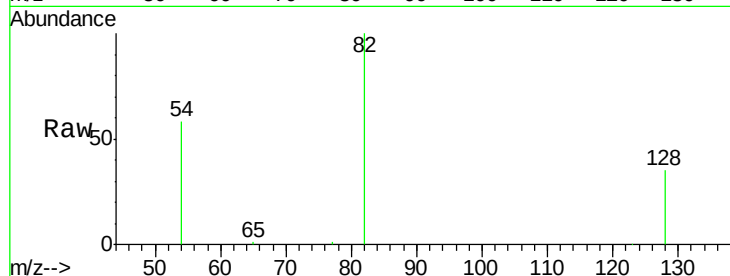
ClientSampleId :

X1SS0600624-150625RE

Tgt Ion	82	Resp	18677
Ion Ratio	Lower	Upper	
82	100		
128	35.0	28.0	42.0
54	57.7	47.6	71.4

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#9

Naphthalene

Concen: 0.03 ng

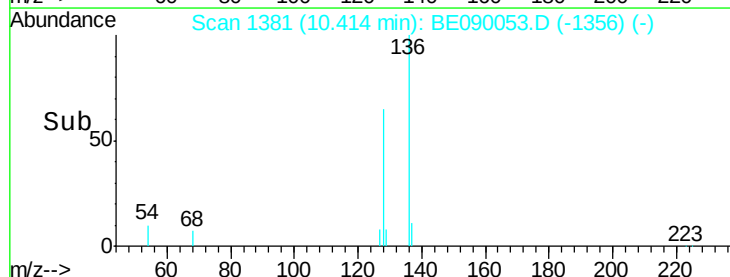
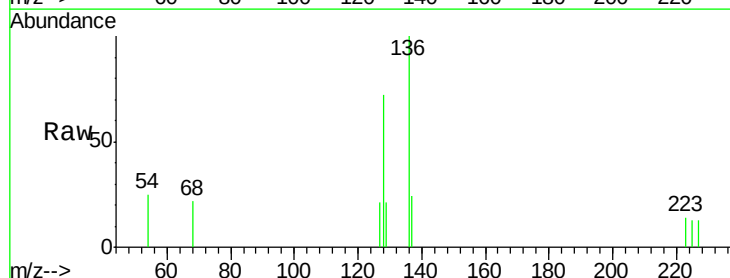
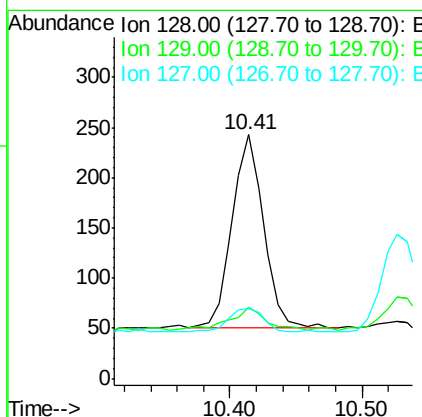
RT: 10.41 min Scan# 1381

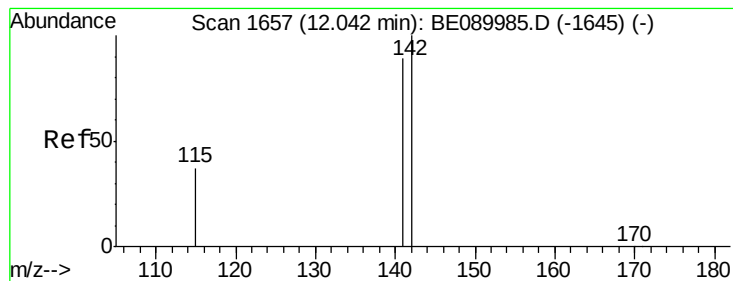
Delta R.T. -0.02 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Tgt Ion	128	Resp	323
Ion Ratio	Lower	Upper	
128	100		
129	29.2	9.3	13.9#
127	28.8	10.2	15.4#





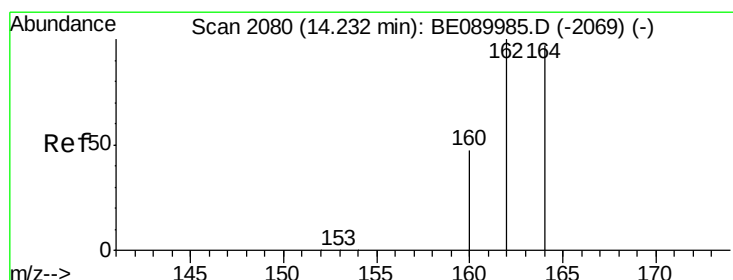
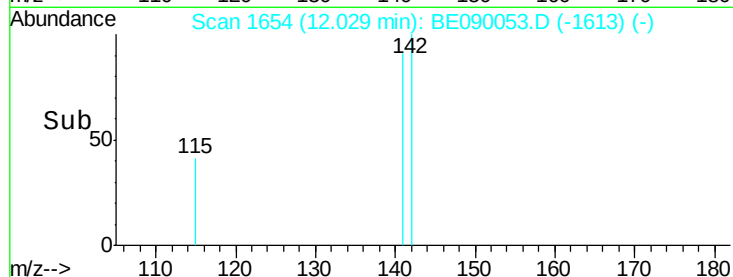
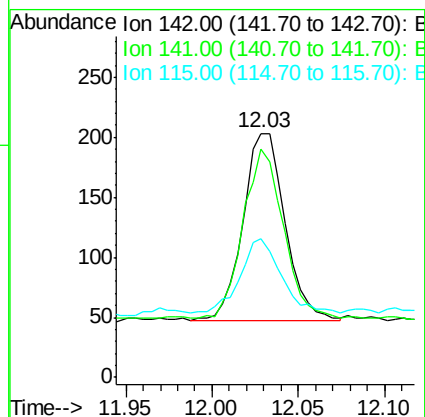
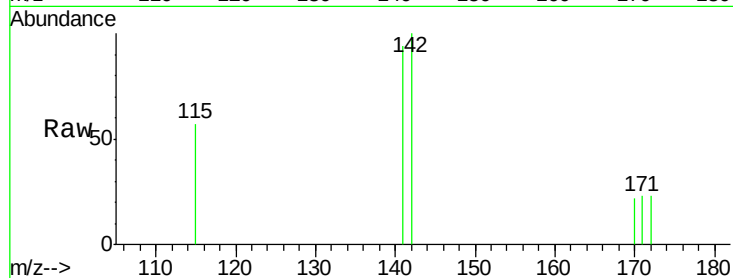
#11
2-Methylnaphthalene
Concen: 0.03 ng
RT: 12.03 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE090053.D
Acq: 2 Jul 2015 16:33

Instrument :
BNA_E
ClientSampleId :
X1SS0600624-150625RE

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.6	71.3	106.9
115	57.1	30.4	45.6

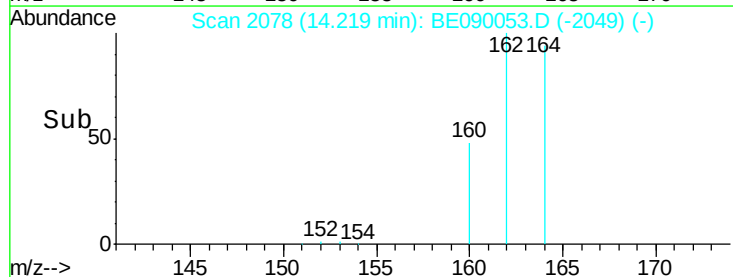
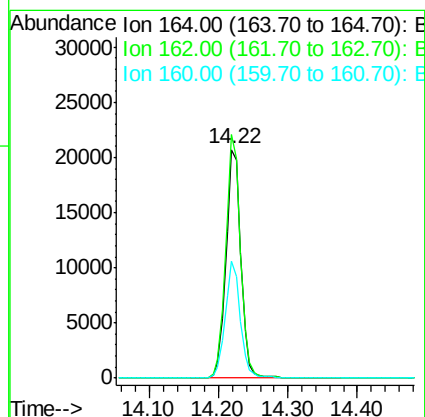
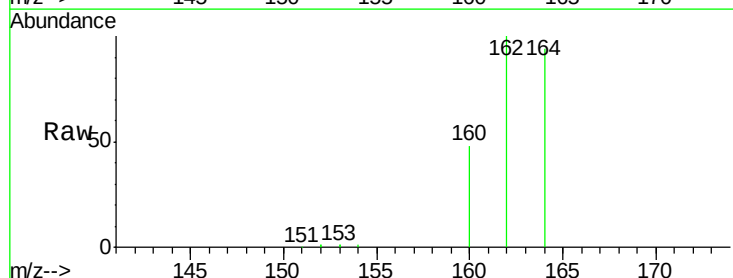
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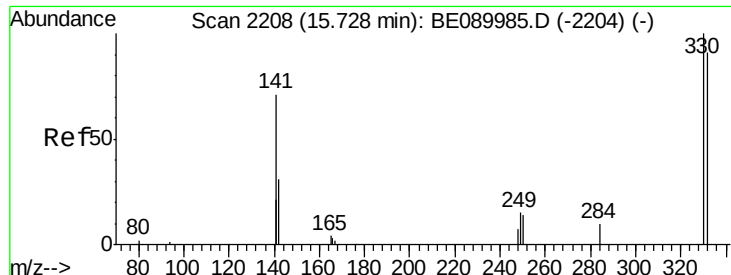
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#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.22 min Scan# 2078
Delta R.T. -0.01 min
Lab File: BE090053.D
Acq: 2 Jul 2015 16:33

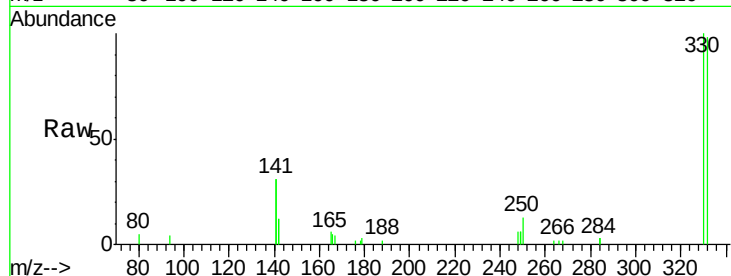
Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.4	82.2	123.4
160	51.3	39.0	58.6





#13
 2,4,6-Tribromophenol
 Concen: 5.94 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090053.D
 Acq: 2 Jul 2015 16:33

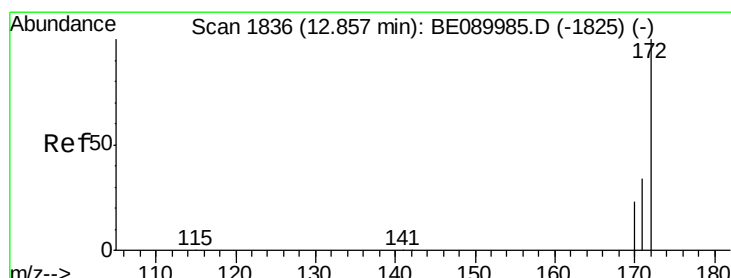
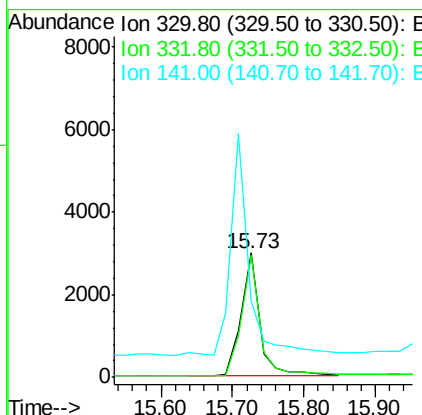
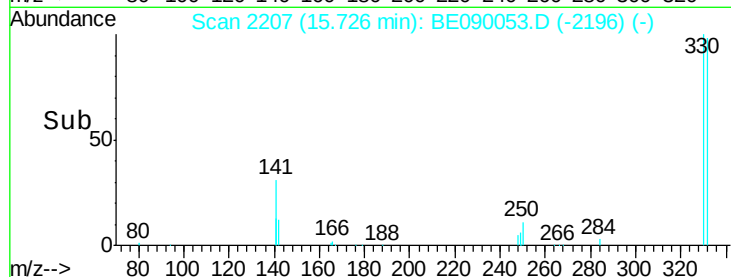
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600624-150625RE



Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.4	114.6
141	178.0	130.3	195.5

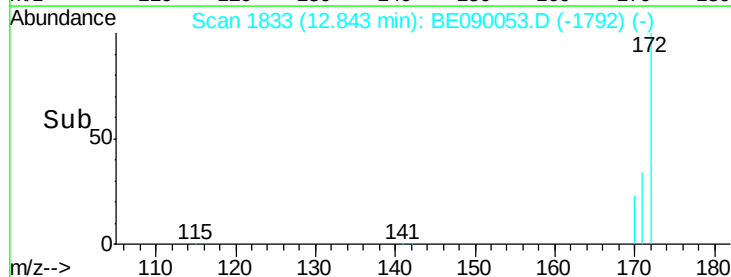
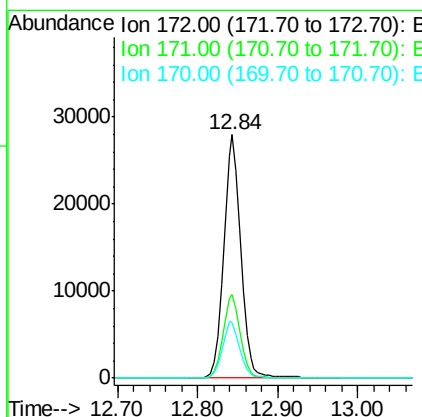
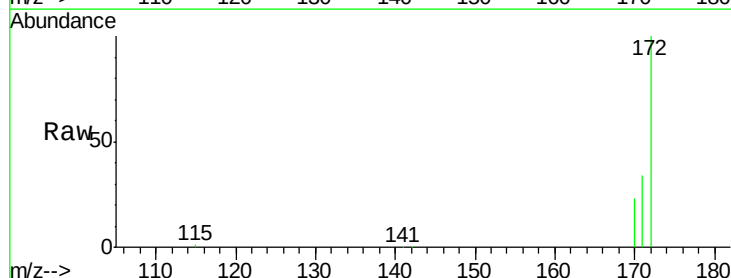
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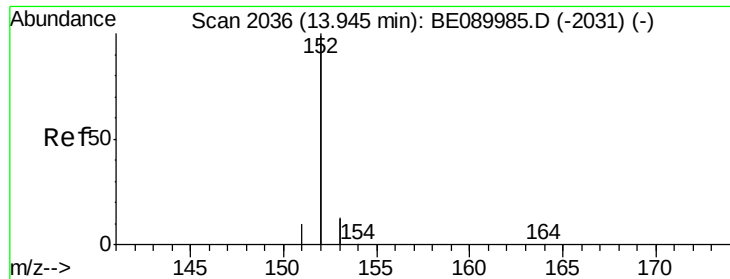
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#14
 2-Fluorobiphenyl
 Concen: 4.50 ng
 RT: 12.84 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BE090053.D
 Acq: 2 Jul 2015 16:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.4	27.8	41.6
170	22.7	18.3	27.5





#15

Acenaphthylene

Concen: 0.04 ng

RT: 13.94 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

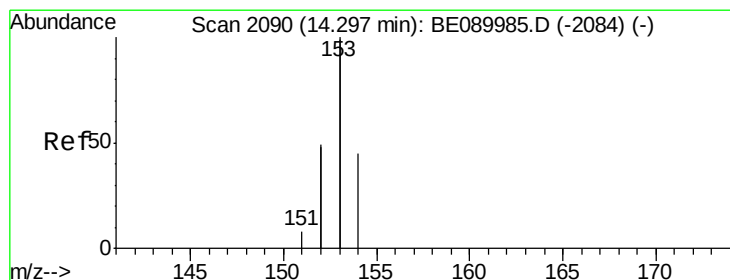
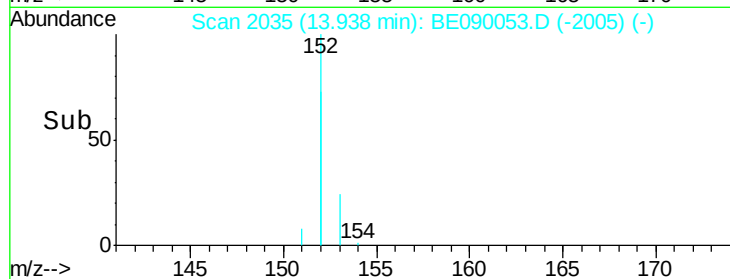
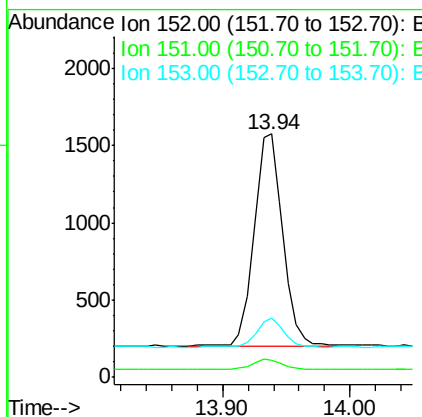
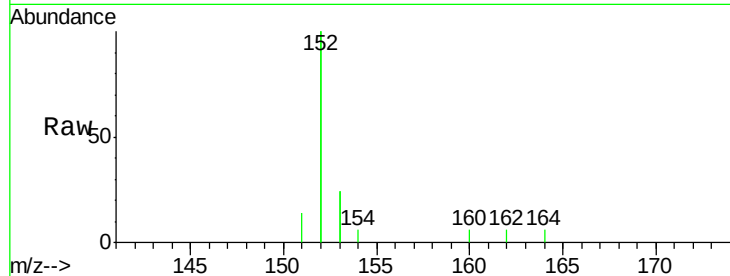
ClientSampleId :

X1SS0600624-150625RE

Tgt Ion:	152	Resp:	2187
Ion Ratio	Lower	Upper	
152	100		
151	5.6	3.9	5.9
153	14.3	10.4	15.6

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#16

Acenaphthene

Concen: 0.05 ng

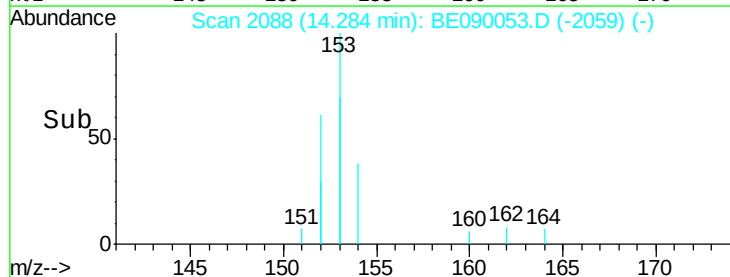
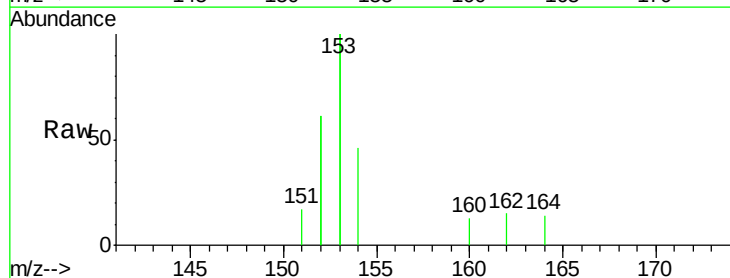
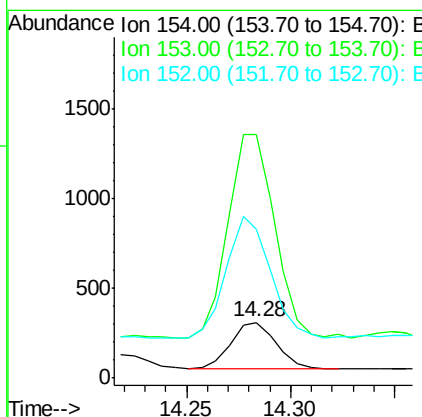
RT: 14.28 min Scan# 2088

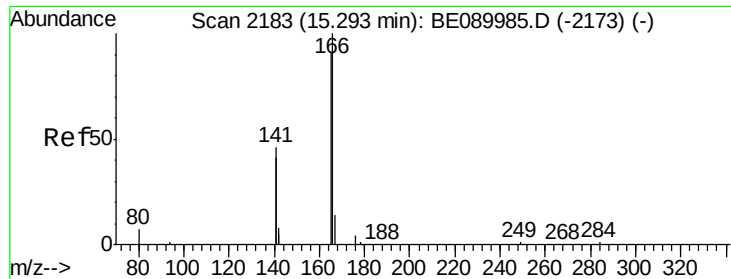
Delta R.T. -0.01 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Tgt Ion:	154	Resp:	387
Ion Ratio	Lower	Upper	
154	100		
153	467.4	358.6	538.0
152	257.4	189.6	284.4





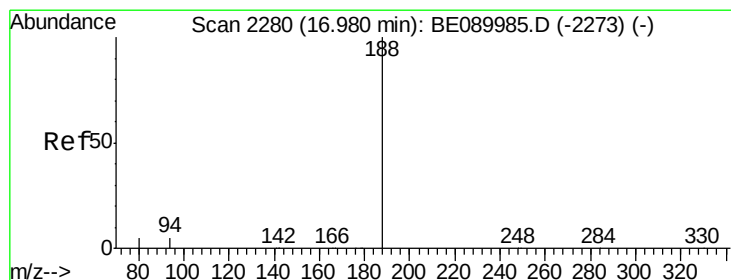
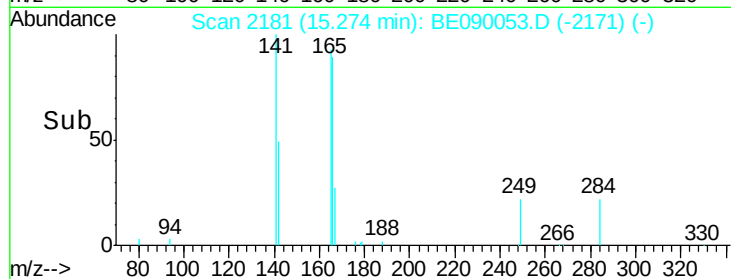
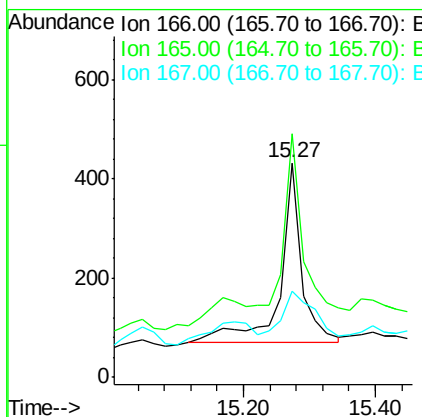
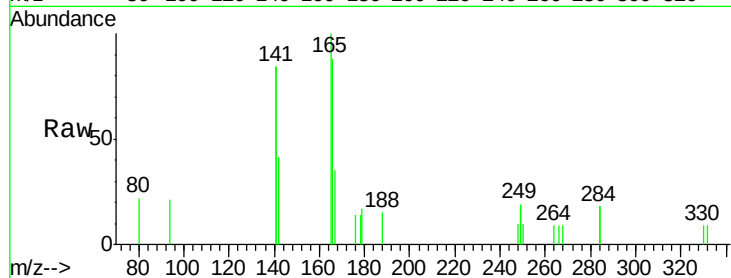
#17
Fluorene
 Concen: 0.08 ng
 RT: 15.27 min Scan# 2181
 Delta R.T. -0.02 min
 Lab File: BE090053.D
 Acq: 2 Jul 2015 16:33

Instrument :
 BNA_E
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 X1SS0600624-150625RE

Tgt Ion	Ratio	Lower	Upper
166	100		
165	89.1	79.0	118.6
167	34.1	11.8	17.8#

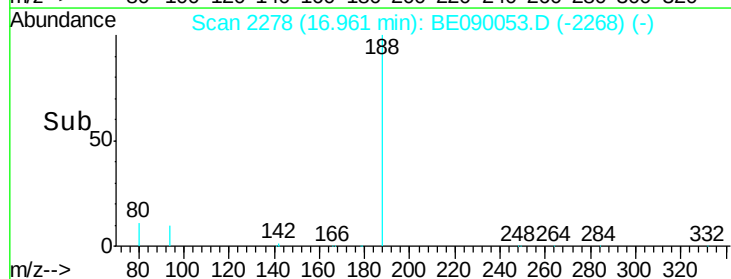
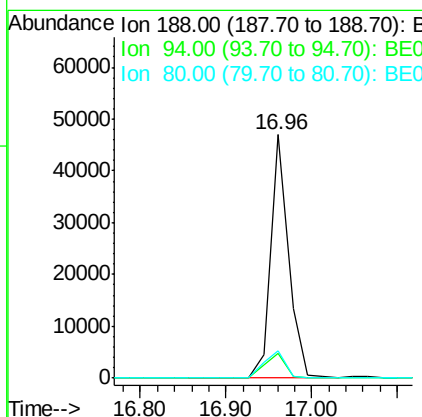
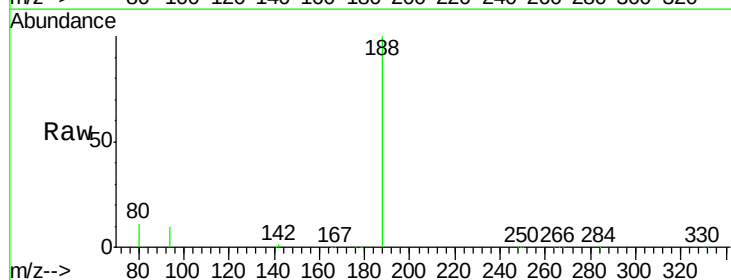
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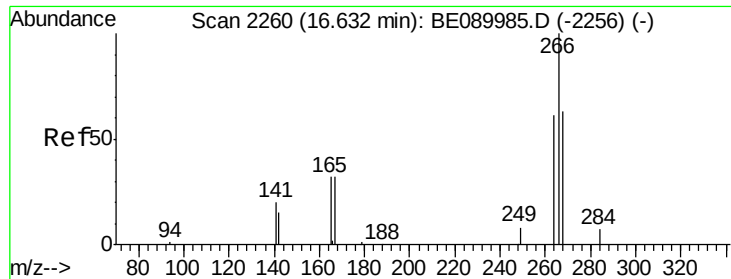
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#18
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 16.96 min Scan# 2278
 Delta R.T. -0.02 min
 Lab File: BE090053.D
 Acq: 2 Jul 2015 16:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	4.1	6.1#
80	11.1	4.2	6.2#





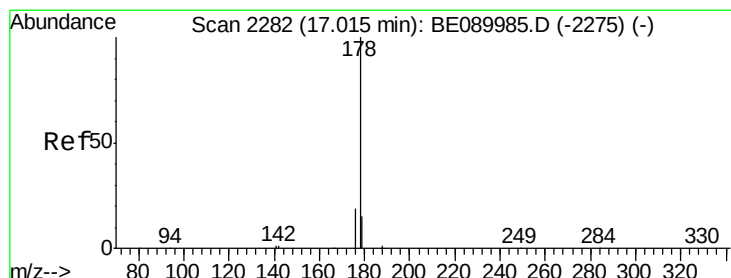
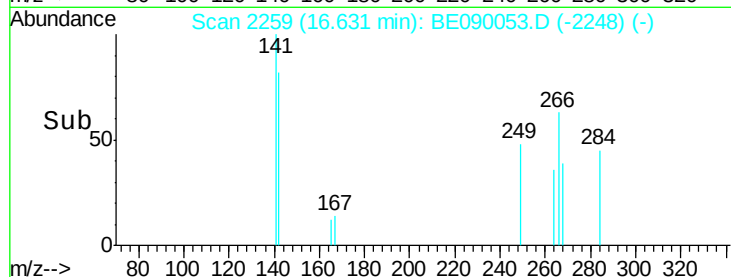
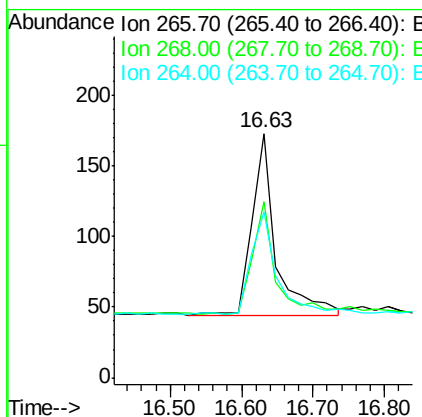
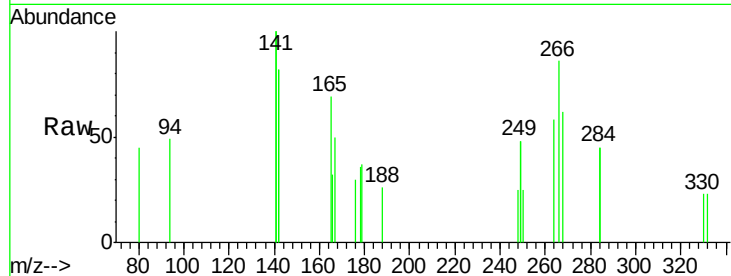
#21
Pentachlorophenol
Concen: 0.45 ng
RT: 16.63 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BE090053.D
Acq: 2 Jul 2015 16:33

Instrument :
BNA_E
ClientSampleId :
X1SS0600624-150625RE

Tgt Ion	Ratio	Lower	Upper
266	100		
268	72.3	51.8	77.8
264	68.2	50.2	75.2

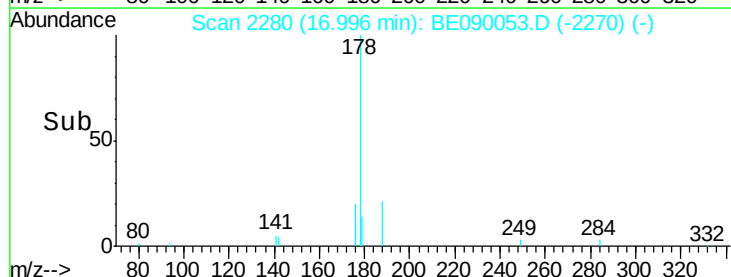
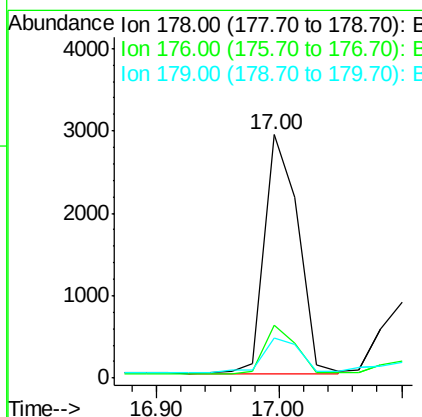
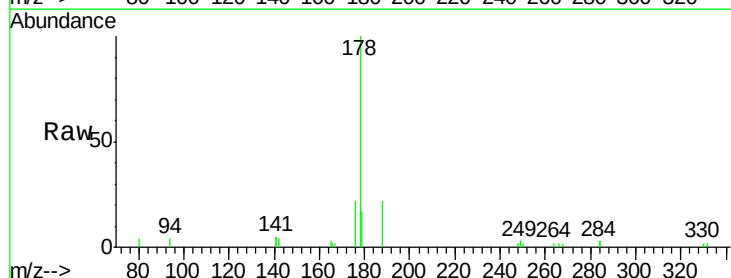
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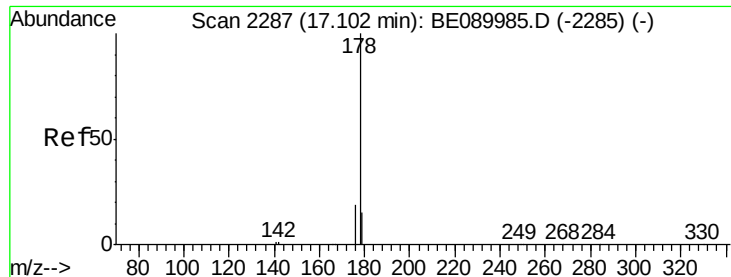
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#22
Phenanthrene
Concen: 0.31 ng
RT: 17.00 min Scan# 2280
Delta R.T. -0.02 min
Lab File: BE090053.D
Acq: 2 Jul 2015 16:33

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	16.7	12.4	18.6





#23

Anthracene

Concen: 0.10 ng m

RT: 17.10 min Scan# 2286

Delta R.T. -0.00 min

Lab File: BE090053.D

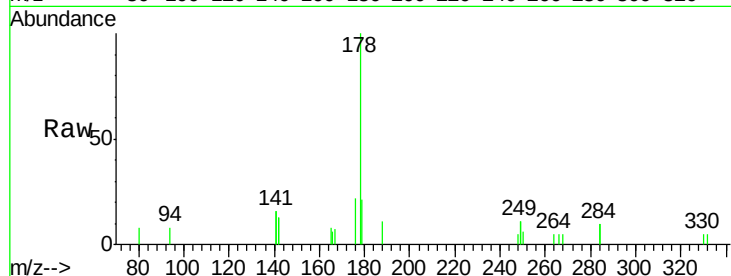
Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

ClientSampleId :

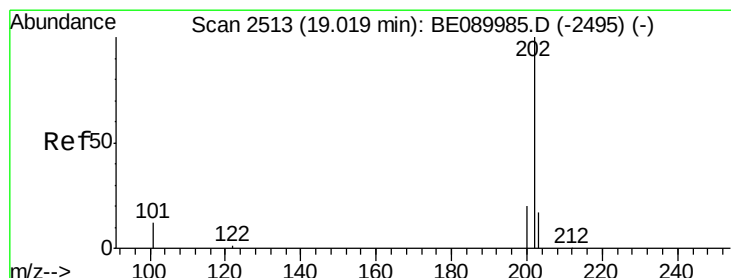
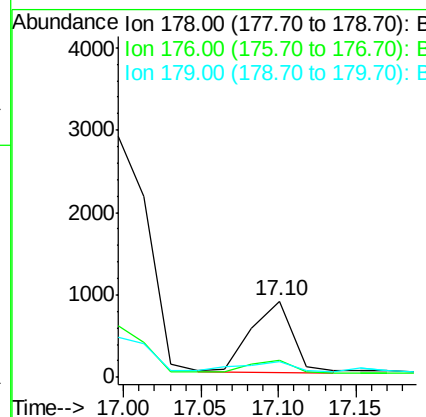
X1SS0600624-150625RE



Tgt Ion	Ratio	Lower	Upper
178	100		
176	65.7	14.7	22.1#
179	56.5	12.1	18.1#

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#24

Fluoranthene

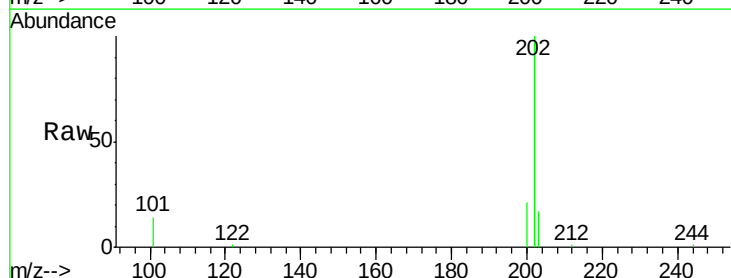
Concen: 0.62 ng

RT: 19.00 min Scan# 2509

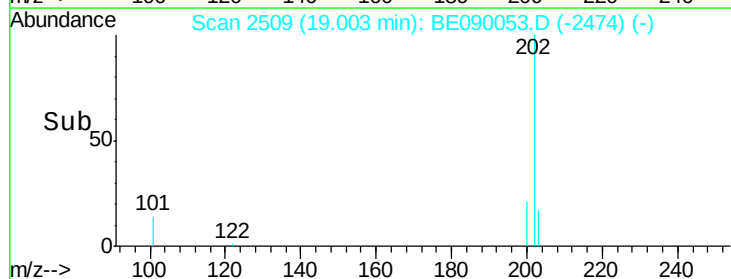
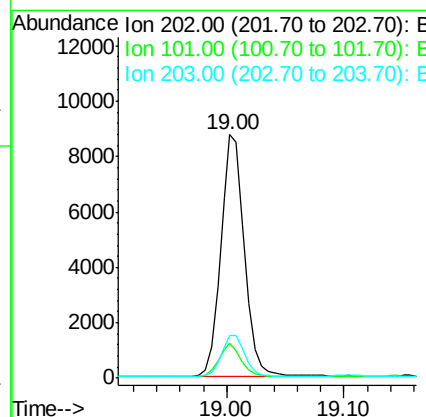
Delta R.T. -0.02 min

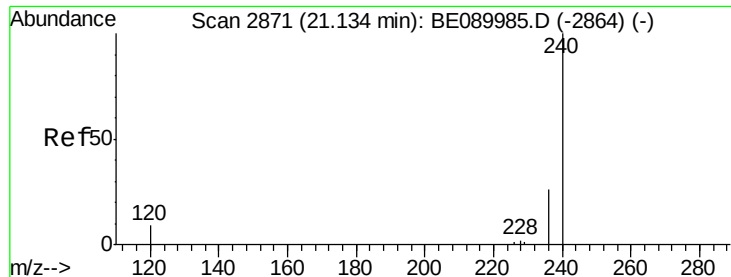
Lab File: BE090053.D

Acq: 2 Jul 2015 16:33



Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	10.6	15.8
203	17.0	13.8	20.6





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 2868

Delta R.T. -0.01 min

Lab File: BE090053.D

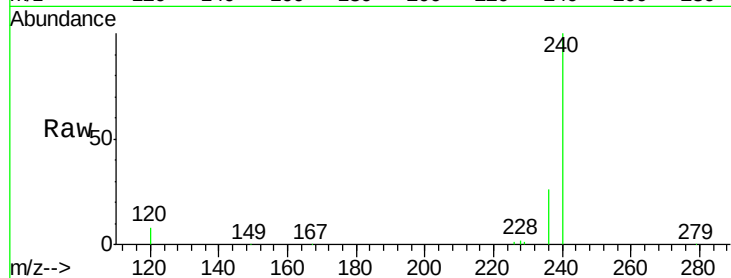
Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

ClientSampleId :

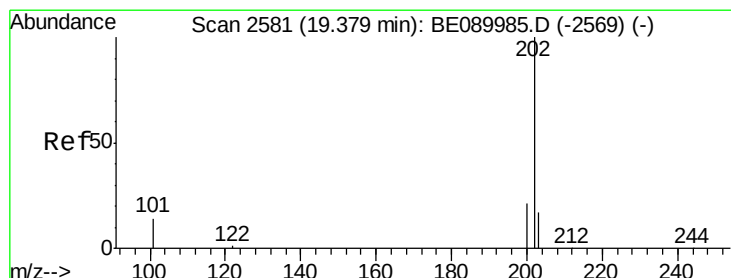
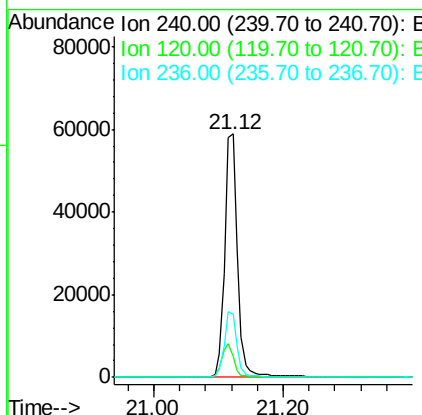
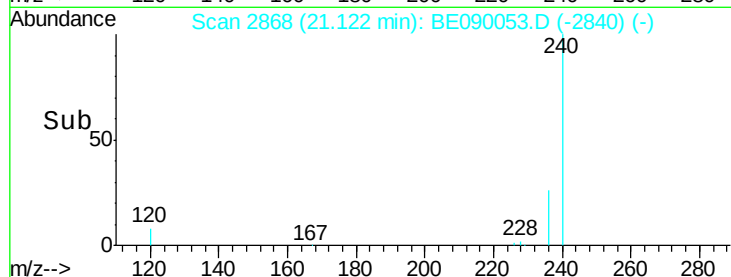
X1SS0600624-150625RE



Tgt Ion:	240	Resp:	81273
Ion Ratio	Lower	Upper	
240	100		
120	8.3	6.9	10.3
236	25.8	20.8	31.2

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#26

Pyrene

Concen: 0.60 ng

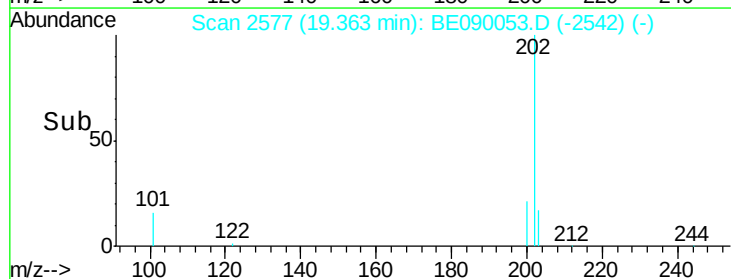
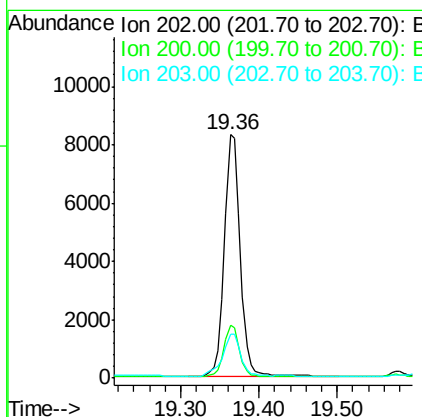
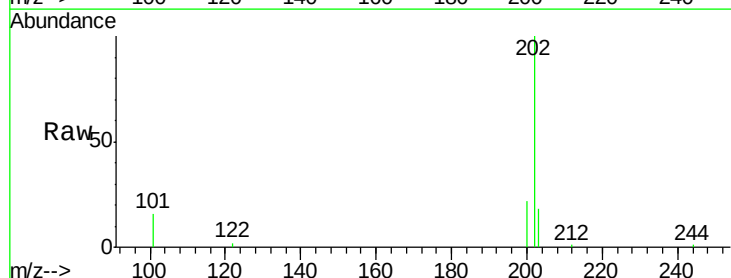
RT: 19.36 min Scan# 2577

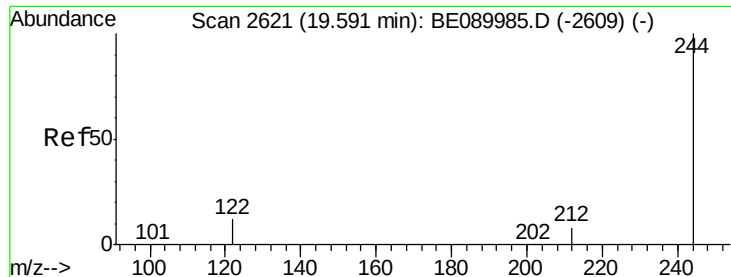
Delta R.T. -0.02 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Tgt Ion:	202	Resp:	11644
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.8	25.2
203	19.8	13.9	20.9





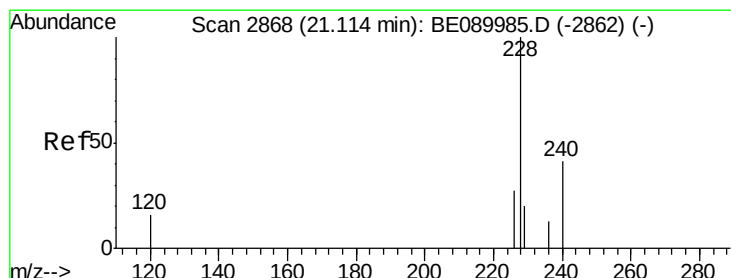
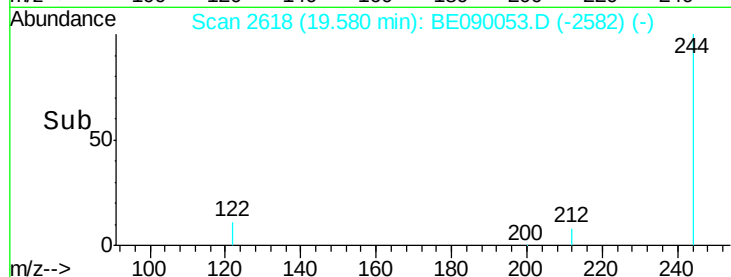
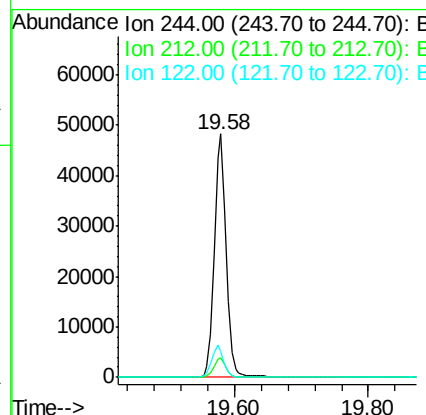
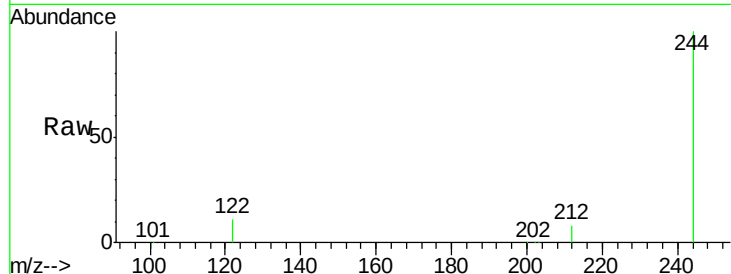
#27
 Terphenyl-d14
 Concen: 4.37 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090053.D
 Acq: 2 Jul 2015 16:33

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600624-150625RE

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.6	9.8
122	10.8	9.8	14.8

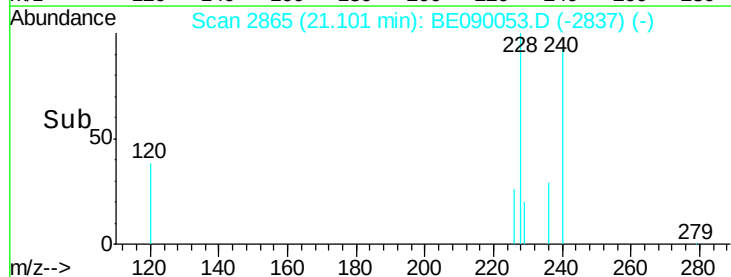
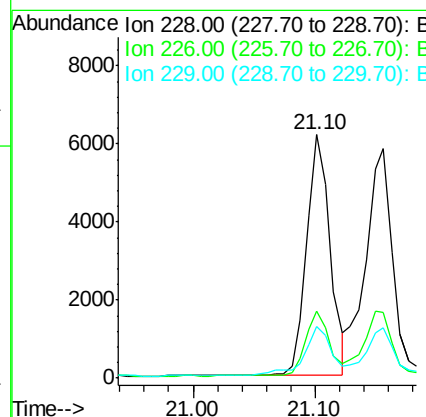
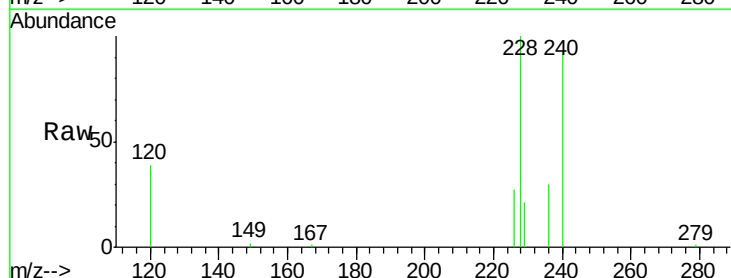
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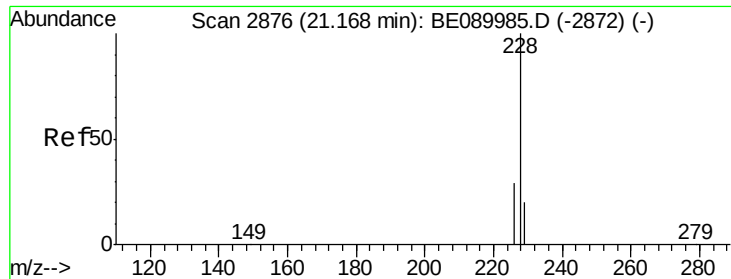
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#28
 Benzo(a)anthracene
 Concen: 0.41 ng
 RT: 21.10 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090053.D
 Acq: 2 Jul 2015 16:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.6
229	21.0	15.8	23.6





#29

Chrysene

Concen: 0.43 ng

RT: 21.16 min Scan# 2873

Delta R.T. -0.01 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

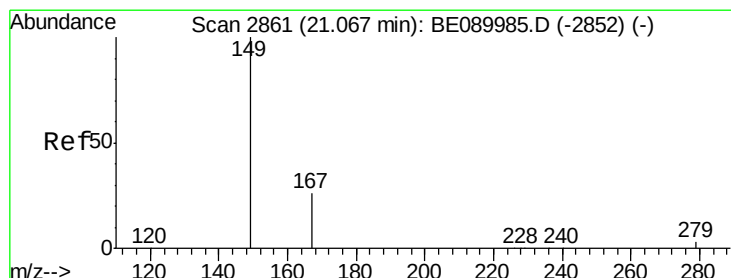
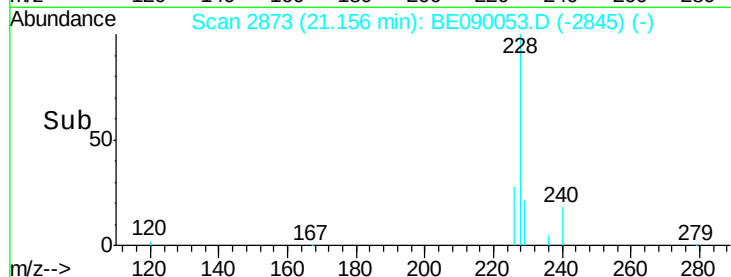
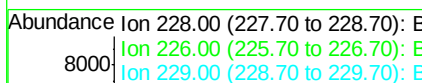
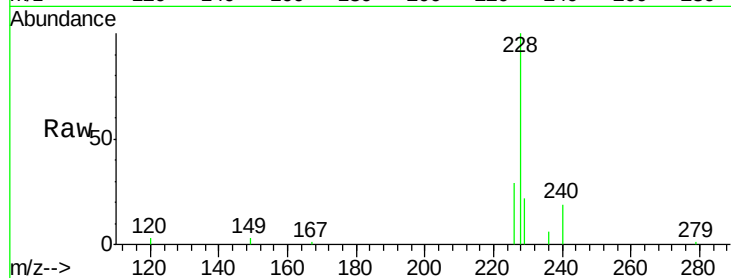
ClientSampleId :

X1SS0600624-150625RE

Tgt Ion:	228	Resp:	9108
Ion Ratio	Lower	Upper	
228	100		
226	28.8	23.4	35.0
229	22.0	16.2	24.2

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#30

Bis(2-ethylhexyl)phthalate

Concen: 0.41 ng

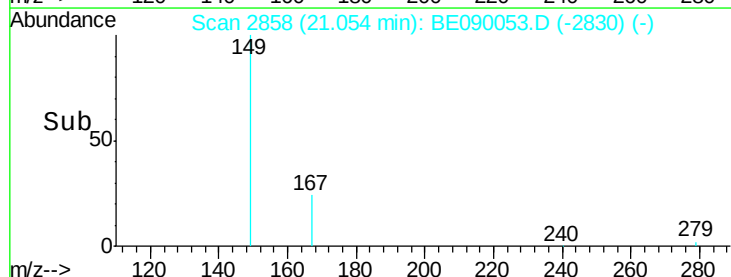
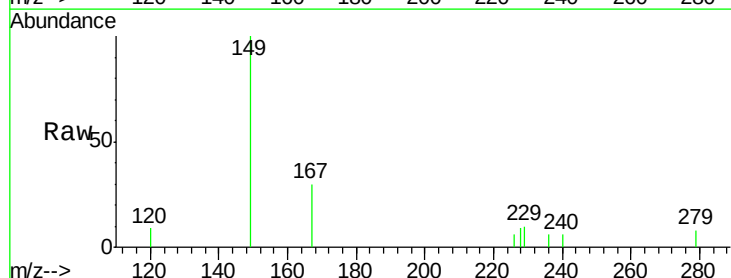
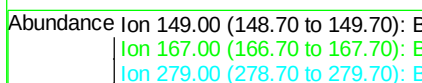
RT: 21.05 min Scan# 2858

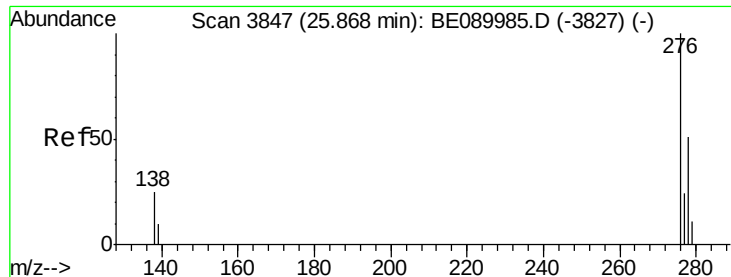
Delta R.T. -0.01 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Tgt Ion:	149	Resp:	1013
Ion Ratio	Lower	Upper	
149	100		
167	25.4	20.3	30.5
279	3.1	2.6	3.8





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.21 ng

RT: 25.84 min Scan# 3839

Delta R.T. -0.03 min

Lab File: BE090053.D

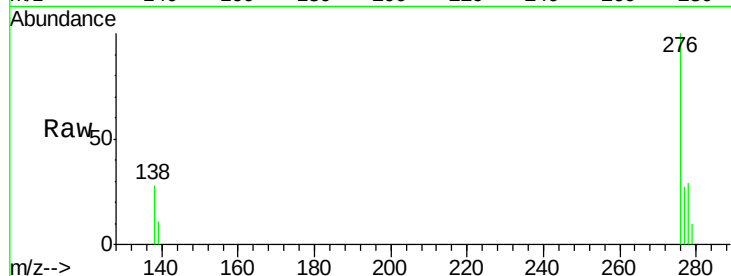
Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

ClientSampleId :

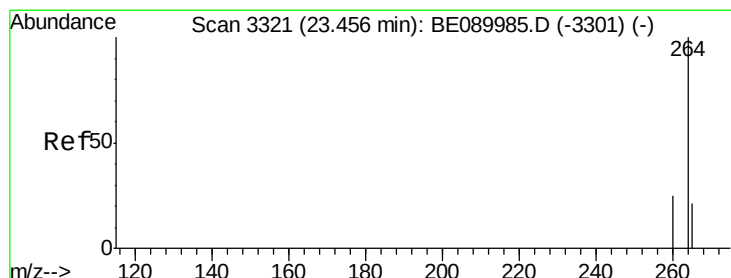
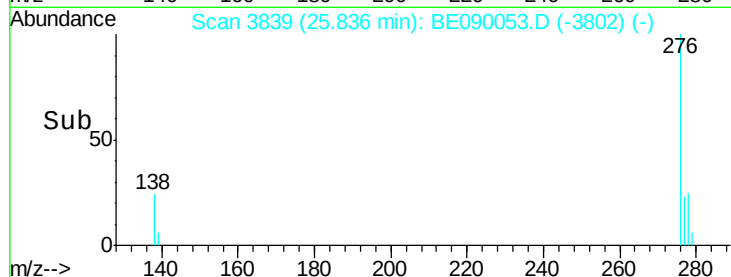
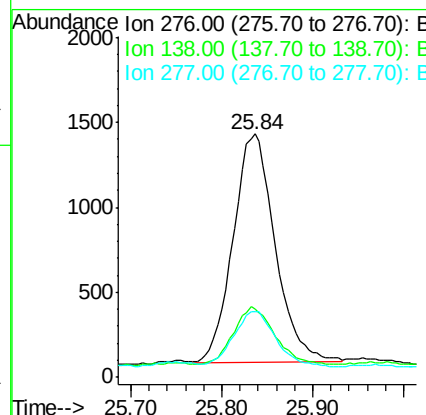
X1SS0600624-150625RE



Tgt Ion:	276	Resp:	4334
Ion Ratio	Lower	Upper	
276	100		
138	25.4	21.3	31.9
277	24.5	19.7	29.5

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#32

Perylene-d12

Concen: 5.00 ng

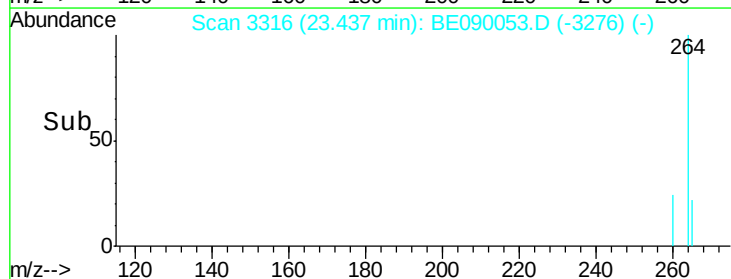
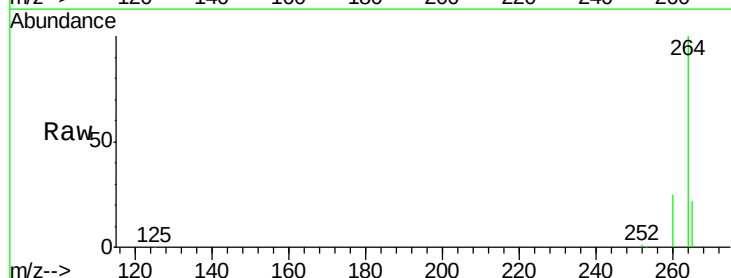
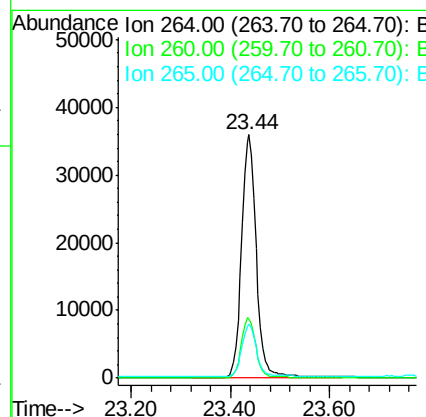
RT: 23.44 min Scan# 3316

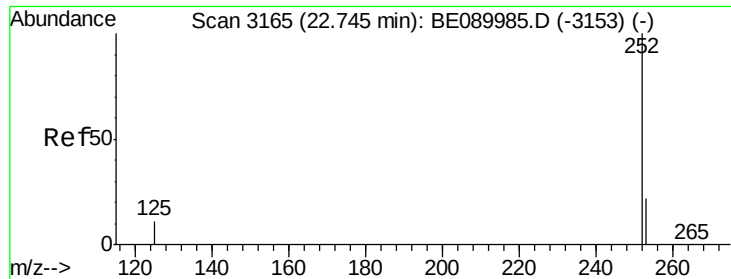
Delta R.T. -0.02 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Tgt Ion:	264	Resp:	74836
Ion Ratio	Lower	Upper	
264	100		
260	24.5	20.2	30.2
265	22.4	17.1	25.7





#33

Benzo(b)fluoranthene

Concen: 0.61 ng

RT: 22.73 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BE090053.D

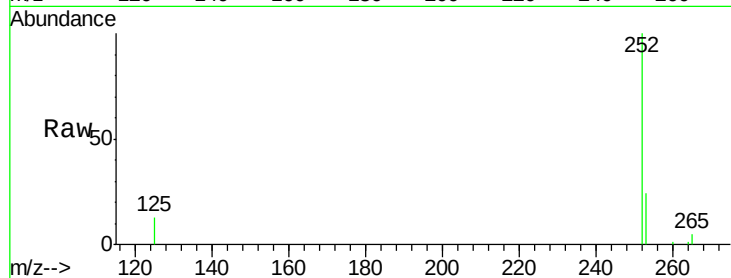
Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

ClientSampleId :

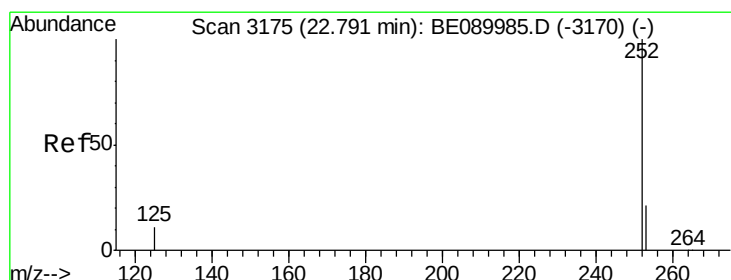
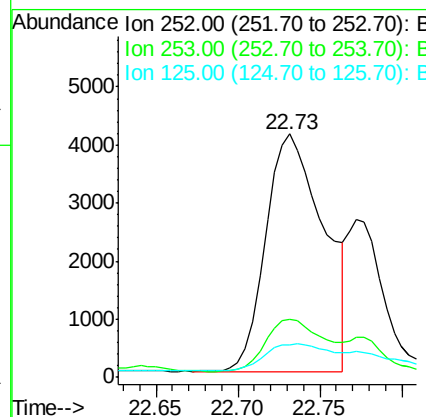
X1SS0600624-150625RE



Tgt Ion:	252	Resp:	10083
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.8
125	13.4	9.0	13.4

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#34

Benzo(k)fluoranthene

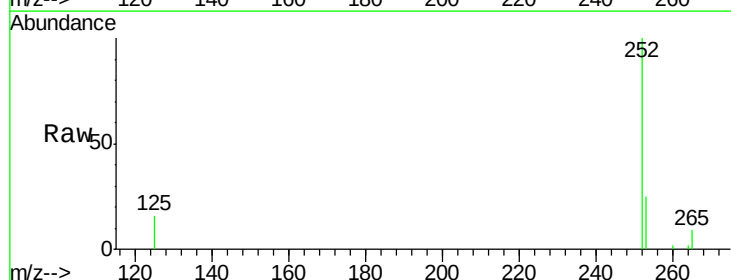
Concen: 0.23 ng m

RT: 22.77 min Scan# 3170

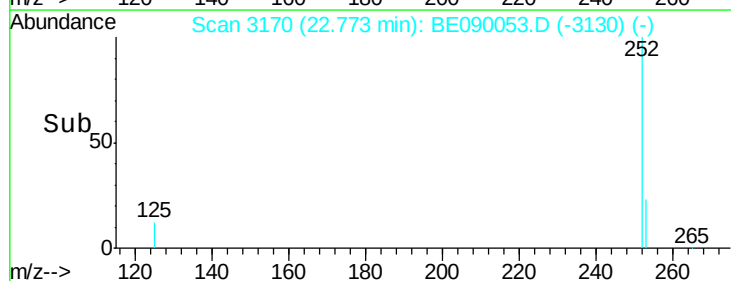
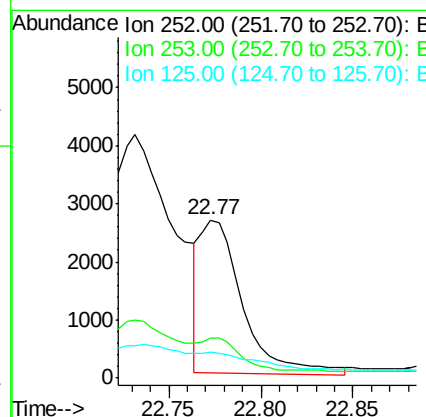
Delta R.T. -0.02 min

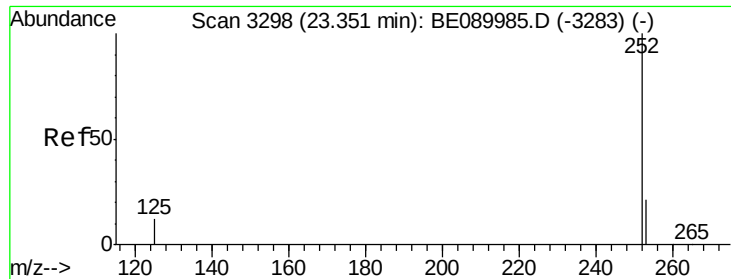
Lab File: BE090053.D

Acq: 2 Jul 2015 16:33



Tgt Ion:	252	Resp:	4222
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.5	26.3
125	16.1	9.5	14.3#





#35

Benzo(a)pyrene

Concen: 0.44 ng

RT: 23.33 min Scan# 3292

Delta R.T. -0.02 min

Lab File: BE090053.D

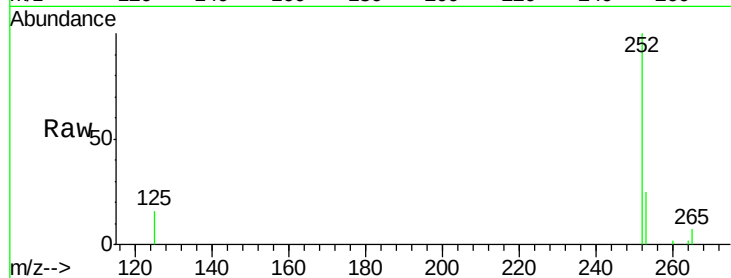
Acq: 2 Jul 2015 16:33

Instrument :

BNA_E

ClientSampleId :

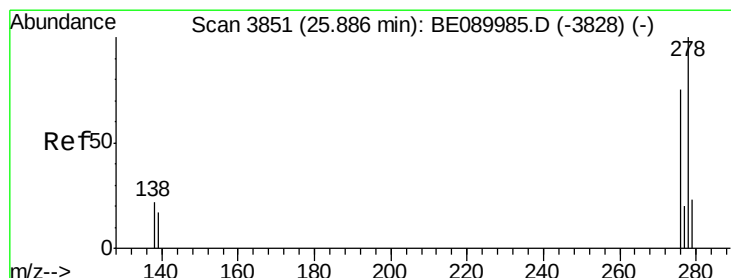
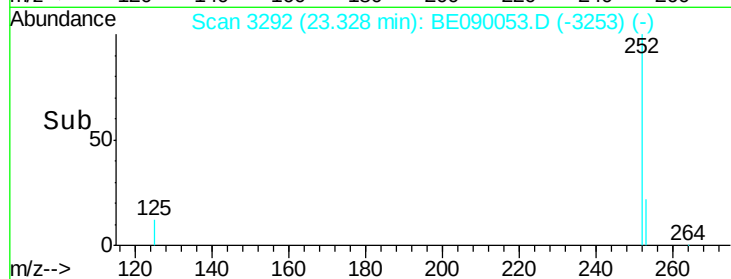
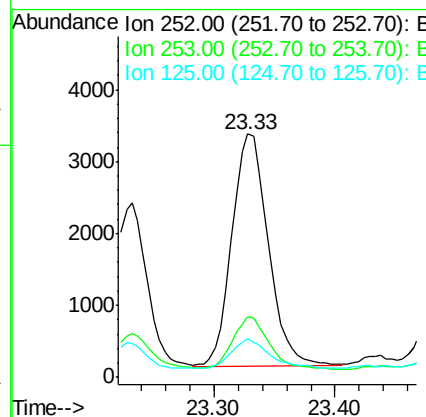
X1SS0600624-150625RE



Tgt Ion:	252	Resp:	6740
Ion Ratio	Lower	Upper	
252	100		
253	24.7	17.4	26.2
125	15.9	10.5	15.7#

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#36

Dibenzo(a,h)anthracene

Concen: 0.10 ng

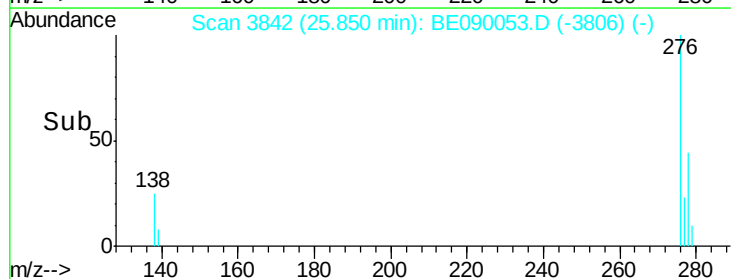
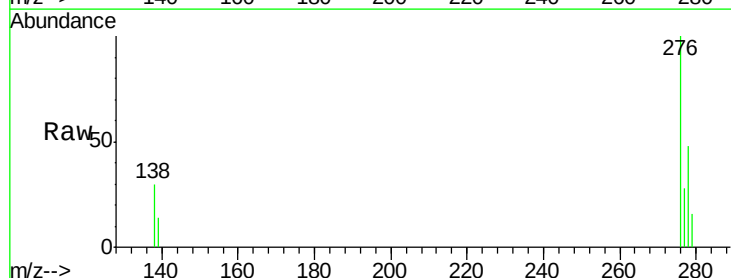
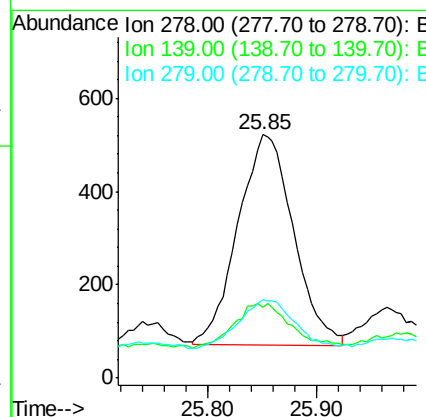
RT: 25.85 min Scan# 3842

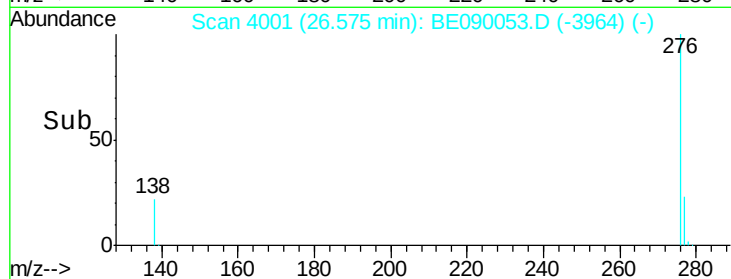
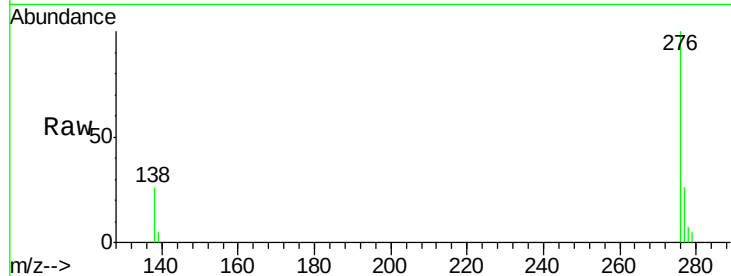
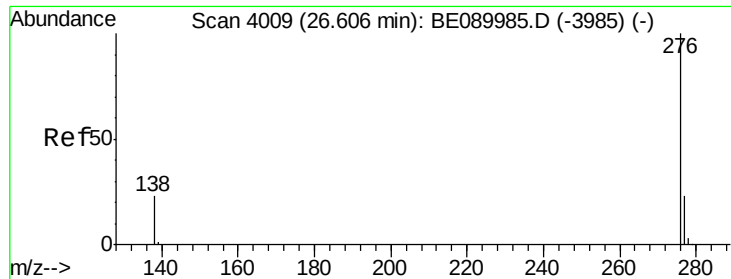
Delta R.T. -0.04 min

Lab File: BE090053.D

Acq: 2 Jul 2015 16:33

Tgt Ion:	278	Resp:	1608
Ion Ratio	Lower	Upper	
278	100		
139	29.1	14.4	21.6#
279	32.4	19.0	28.6#





#37
 Benzo(g,h,i)perylene
 Concen: 0.27 ng
 RT: 26.57 min Scan# 4001
 Delta R.T. -0.03 min
 Lab File: BE090053.D
 Acq: 2 Jul 2015 16:33

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0600624-150625RE

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.8	28.2
138	26.3	18.6	27.8

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