

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
 Data File : BE091550.D
 Acq On : 28 Mar 2016 22:52
 Operator : UM/SJ
 Sample : H1855-10
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-6A

Manual Integrations
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Quant Time: Mar 29 01:33:26 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 25 19:00:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	43435	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	226750	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	143227	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	345516	5.00	ng	0.00
22) Chrysene-d12	21.33	240	361885	5.00	ng	0.00
28) Perylene-d12	23.78	264	393486	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	52310	6.18	ng	-0.02
5) Phenol-d6	6.97	99	81630	7.06	ng	-0.02
7) Nitrobenzene-d5	8.97	82	33812	3.43	ng	-0.01
11) 2,4,6-Tribromophenol	15.91	330	24270	9.96	ng	-0.01
12) 2-Fluorobiphenyl	13.06	172	114045	2.83	ng	-0.01
24) Terphenyl-d14	19.78	244	189712	3.19	ng	0.00
Target Compounds						
8) Naphthalene	10.63	128	14762m	0.32	ng	Qvalue
9) 2-Methylnaphthalene	12.25	142	18044	0.63	ng	# 91
13) Acenaphthylene	14.15	152	15278	0.30	ng	# 84
14) Acenaphthene	14.49	154	3784	0.11	ng	# 84
15) Fluorene	15.47	166	5337m	0.12	ng	
18) Pentachlorophenol	16.81	266	944	0.40	ng	95
19) Phenanthrene	17.21	178	142035	1.79	ng	100
20) Anthracene	17.30	178	24994	0.38	ng	97
21) Fluoranthene	19.21	202	406035	5.49	ng	99
23) Pyrene	19.57	202	392867	4.60	ng	95
25) Benzo(a)anthracene	21.31	228	206825m	2.48	ng	
26) Chrysene	21.36	228	194727m	1.78	ng	
27) Indeno(1,2,3-cd)pyrene	26.35	276	124737	1.46	ng	96
29) Benzo(b)fluoranthene	23.02	252	266597m	3.05	ng	
30) Benzo(k)fluoranthene	23.07	252	104312m	1.20	ng	
31) Benzo(a)pyrene	23.67	252	186141m	2.23	ng	
32) Dibenzo(a,h)anthracene	26.36	278	28768	0.37	ng	98
33) Benzo(g,h,i)perylene	27.15	276	129492	1.60	ng	99

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

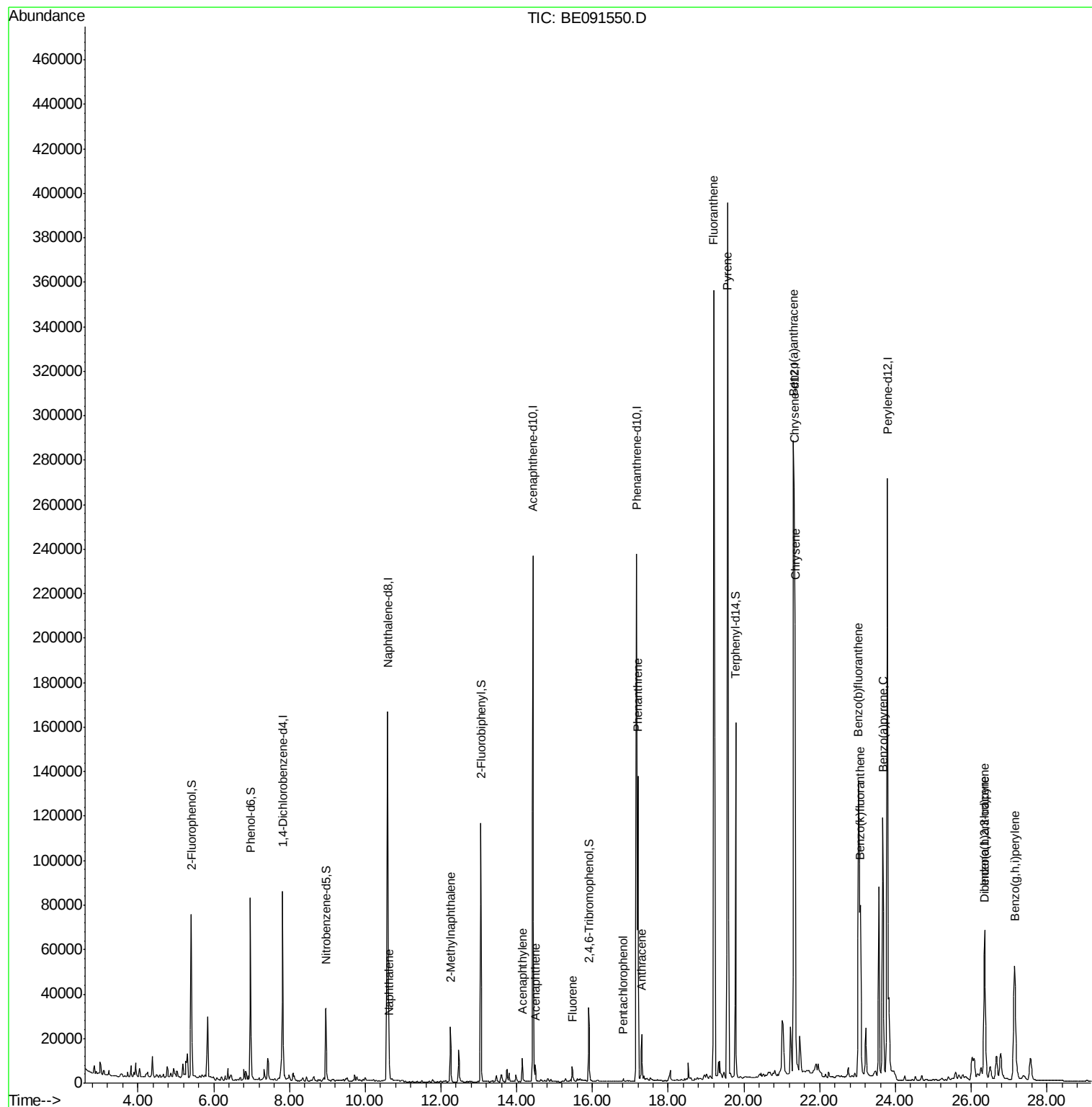
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
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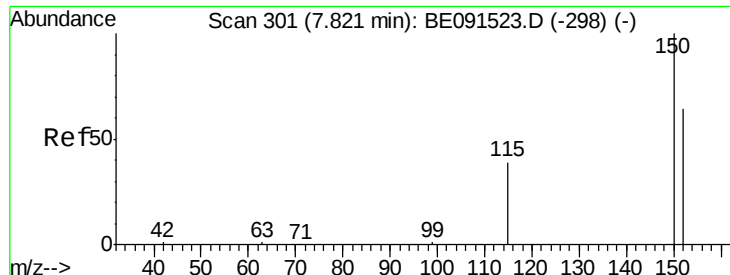
Instrument :
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SB-6A

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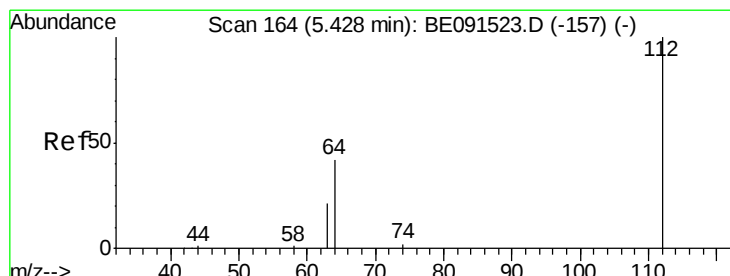
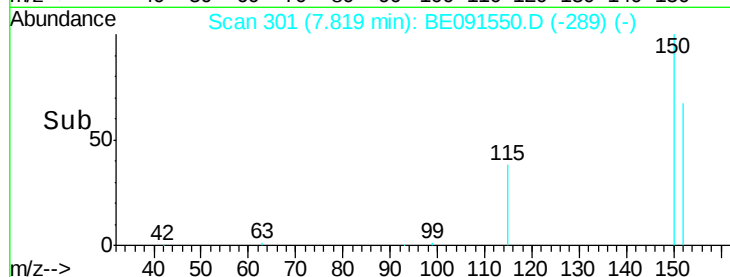
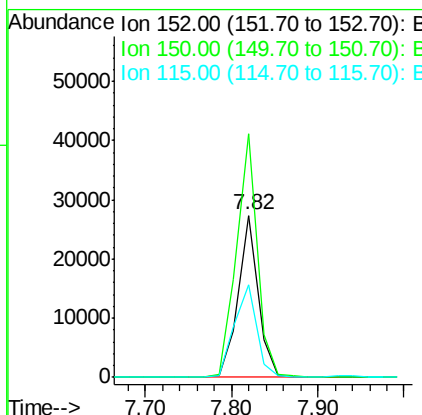
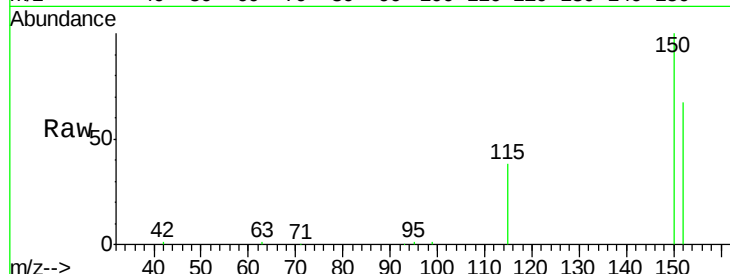
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 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.82 min Scan# 301
 Delta R.T. 0.00 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Instrument :
 BNA_E
 ClientSampleId :
 SB-6A

Tgt Ion	Ratio	Lower	Upper
152	100		
150	150.1	122.2	183.2
115	57.2	45.9	68.9

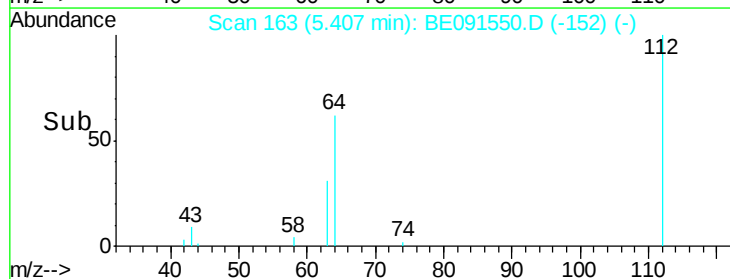
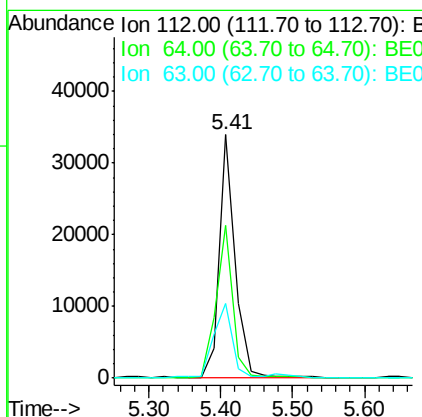
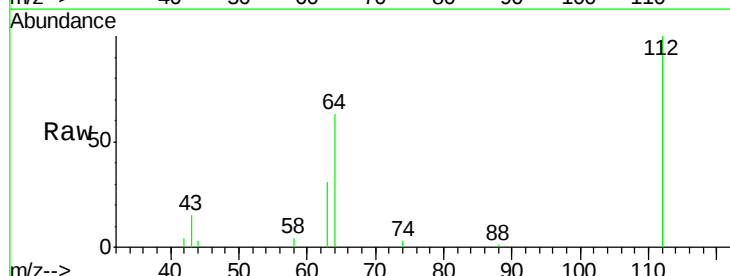
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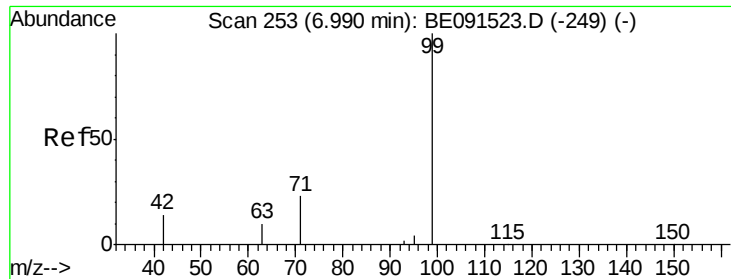
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#4
 2-Fluorophenol
 Concen: 6.18 ng
 RT: 5.41 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.1	53.3	79.9
63	36.0	29.8	44.8





#5

Phenol-d6

Concen: 7.06 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Instrument :

BNA_E

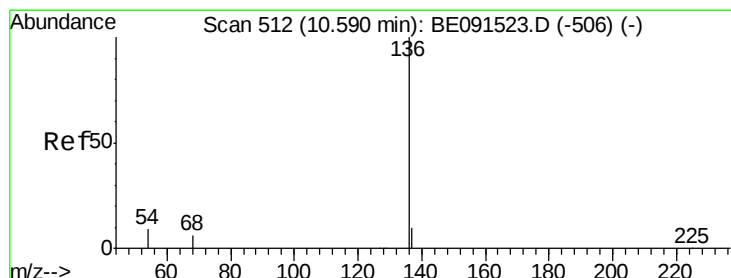
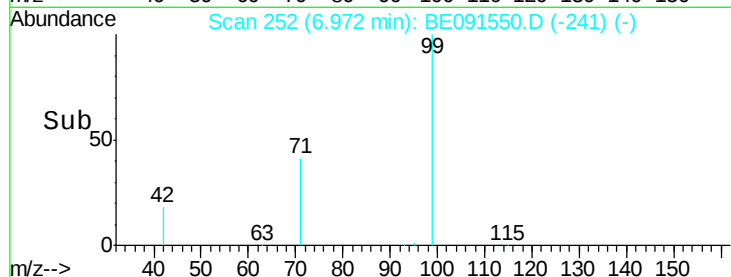
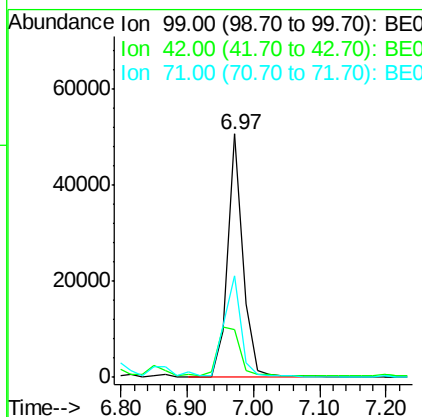
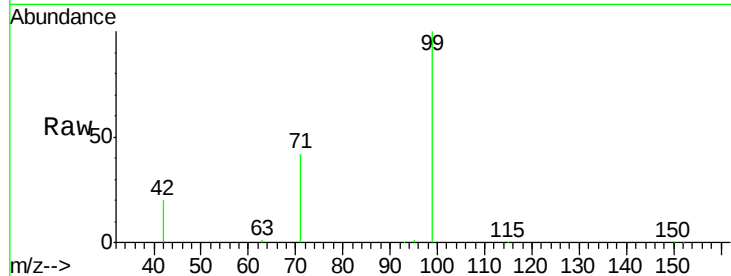
ClientSampleId :

SB-6A

Tgt Ion:	99	Resp:	81630
Ion Ratio	Lower	Upper	
99	100		
42	27.4	20.6	30.8
71	45.3	29.0	43.4#

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#6

Naphthalene-d8

Concen: 5.00 ng

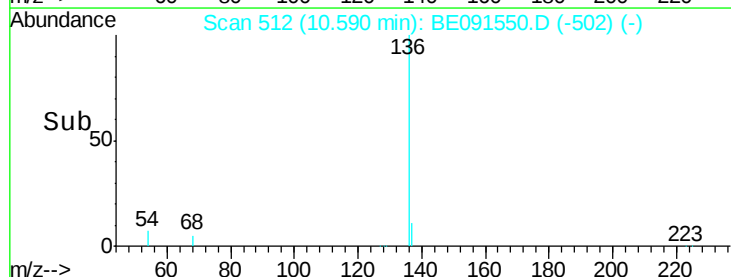
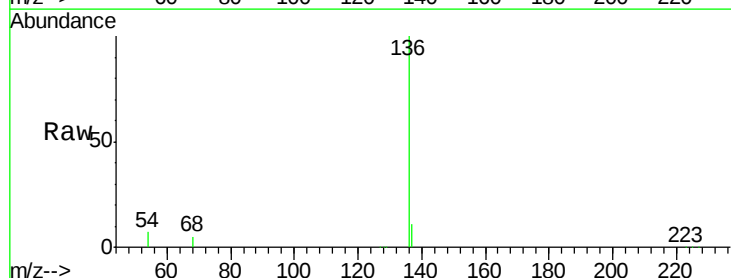
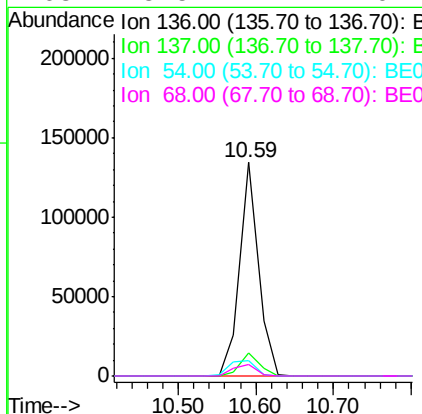
RT: 10.59 min Scan# 512

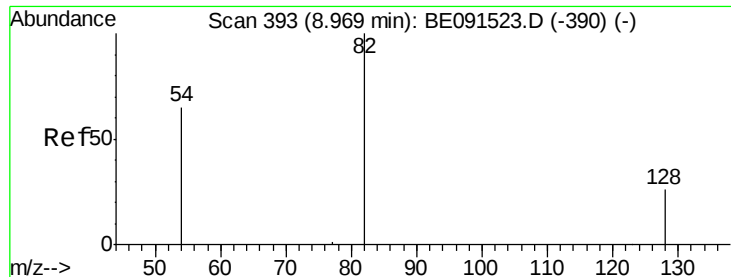
Delta R.T. -0.00 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Tgt Ion:	136	Resp:	226750
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.8	13.2
54	7.5	5.2	7.8
68	5.5	4.1	6.1





#7

Nitrobenzene-d5

Concen: 3.43 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Instrument :

BNA_E

ClientSampleId :

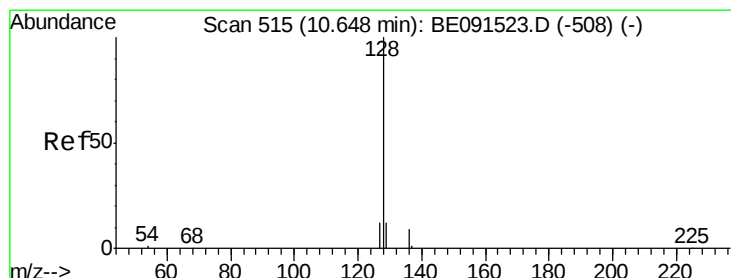
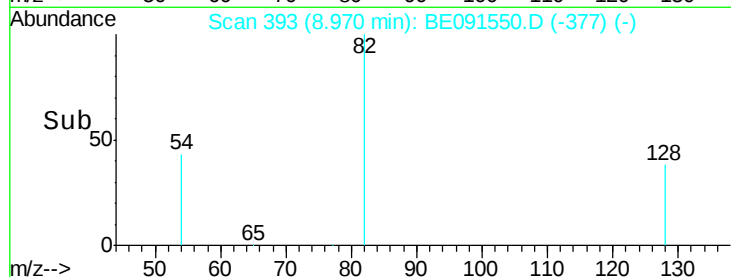
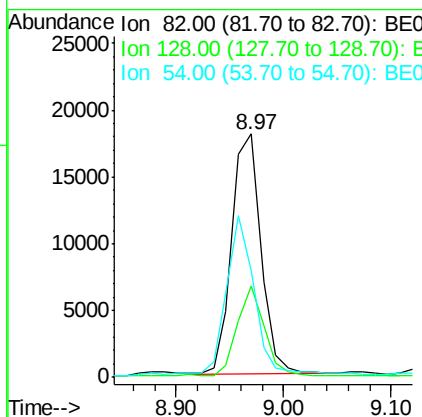
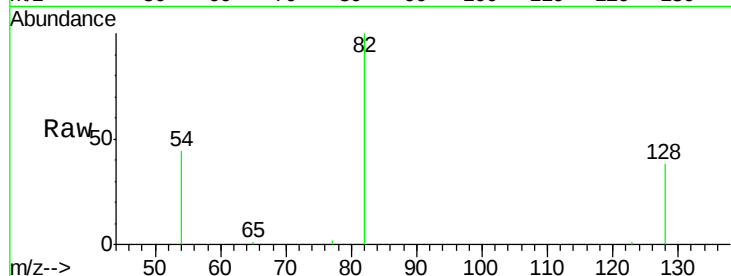
SB-6A

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Tgt Ion:	82	Resp:	33812
Ion Ratio	Lower	Upper	
82	100		
128	37.5	23.5	35.3#
54	43.6	52.4	78.6#



#8

Naphthalene

Concen: 0.32 ng m

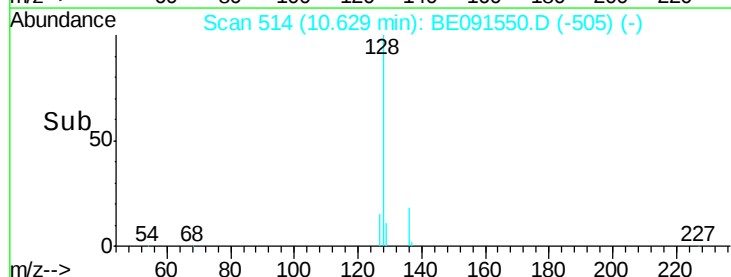
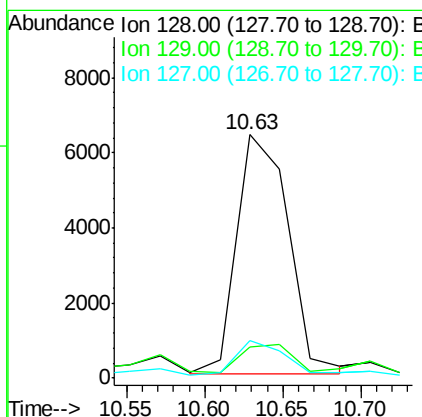
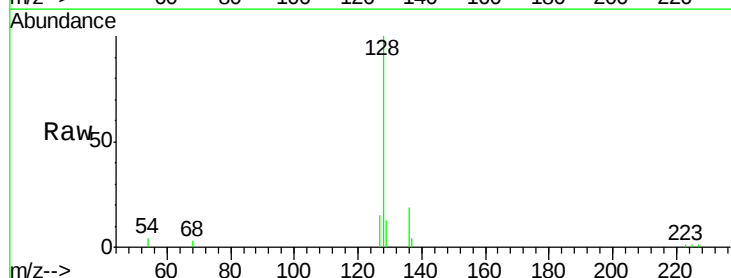
RT: 10.63 min Scan# 514

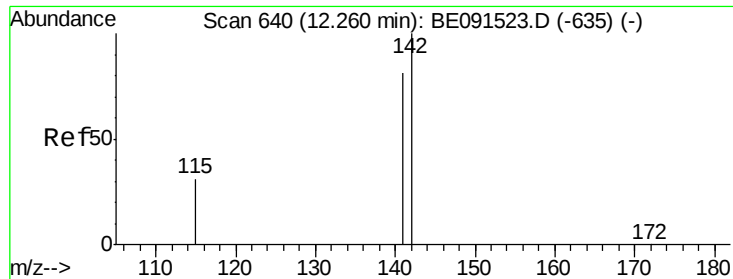
Delta R.T. -0.02 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Tgt Ion:	128	Resp:	14762
Ion Ratio	Lower	Upper	
128	100		
129	12.7	8.2	12.2#
127	15.5	11.8	17.8





#9

2-Methylnaphthalene

Concen: 0.63 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Instrument :

BNA_E

ClientSampled :

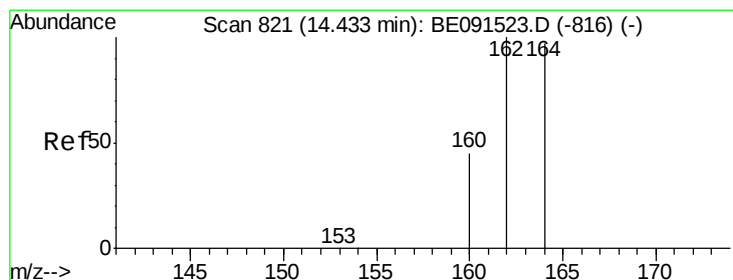
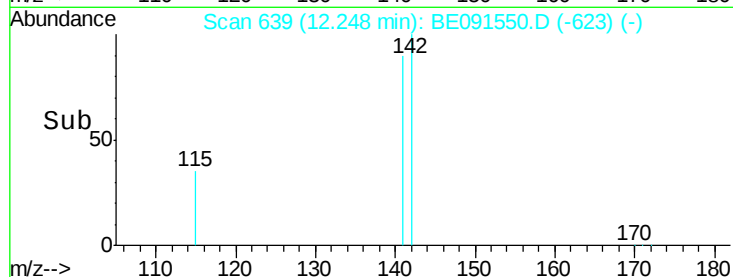
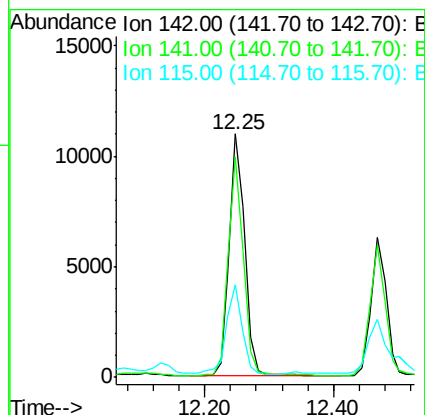
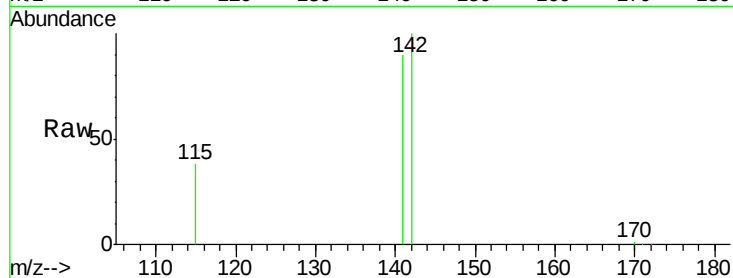
SB-6A

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Tgt Ion:	142	Resp:	18044
Ion Ratio	Lower	Upper	
142	100		
141	90.5	66.9	100.3
115	37.9	25.1	37.7#



#10

Acenaphthene-d10

Concen: 5.00 ng

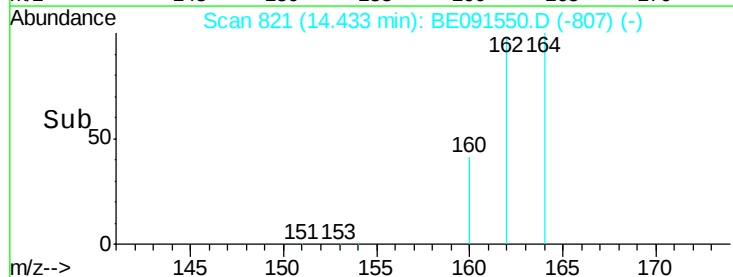
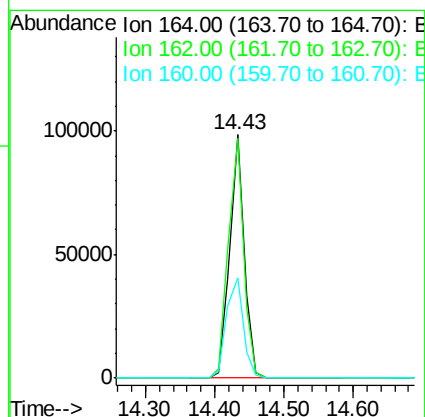
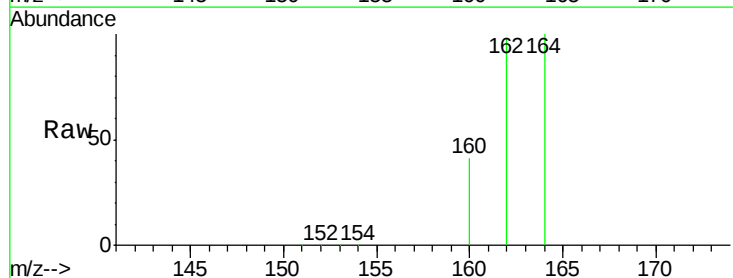
RT: 14.43 min Scan# 821

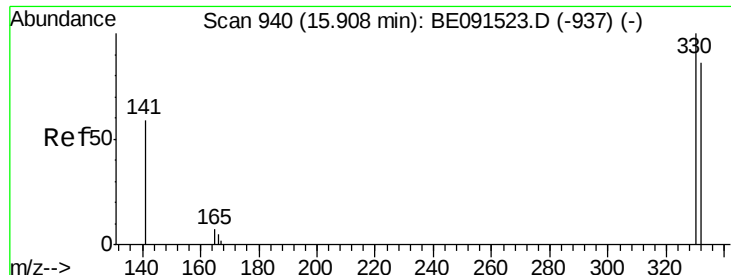
Delta R.T. -0.01 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Tgt Ion:	164	Resp:	143227
Ion Ratio	Lower	Upper	
164	100		
162	98.3	84.4	126.6
160	41.4	37.7	56.5





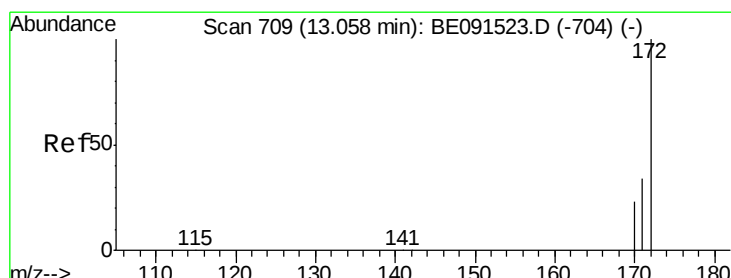
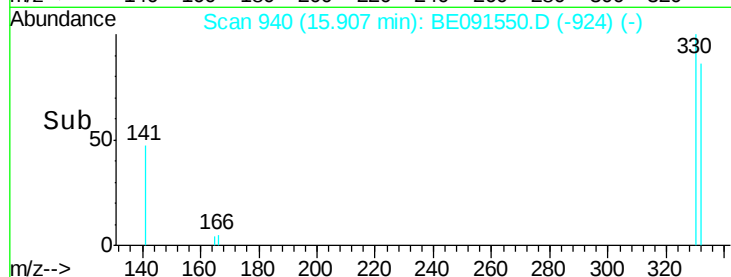
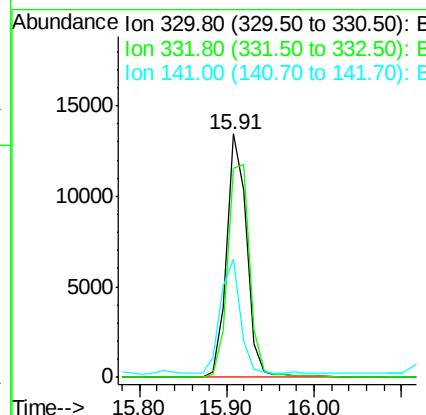
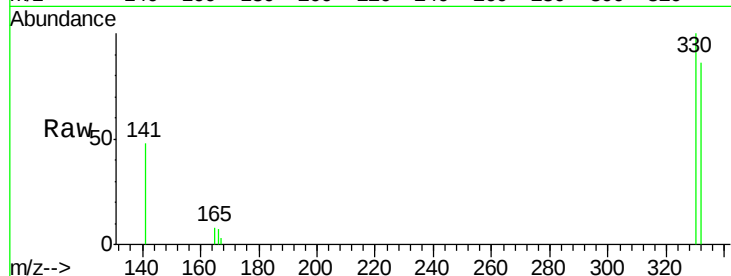
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 2,4,6-Tribromophenol
 Concen: 9.96 ng
 RT: 15.91 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Instrument :
 BNA_E
 ClientSampleId :
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	24270		
332	96.2	79.2	118.8	
141	40.8	28.1	42.1	

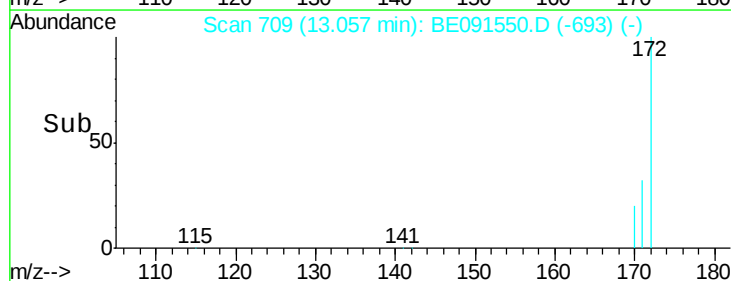
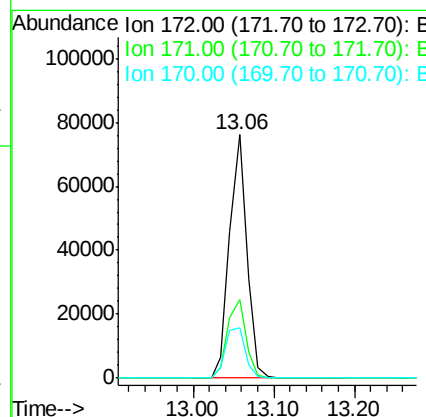
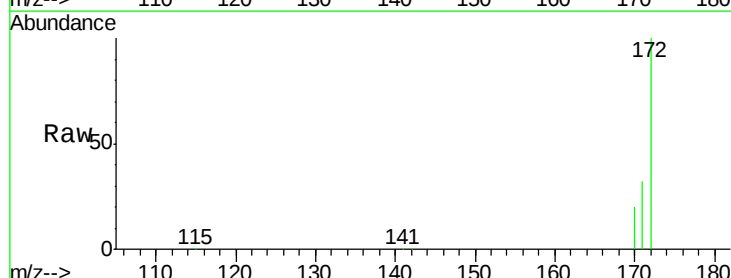
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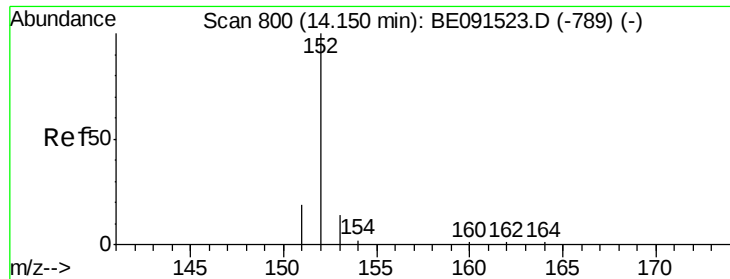
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#12
 2-Fluorobiphenyl
 Concen: 2.83 ng
 RT: 13.06 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	114045		
171	32.2	29.8	44.8	
170	20.5	21.4	32.2#	





#13

Acenaphthylene

Concen: 0.30 ng

RT: 14.15 min Scan# 800

Delta R.T. 0.00 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Instrument :

BNA_E

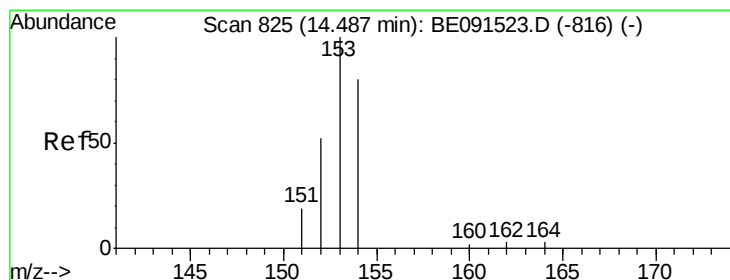
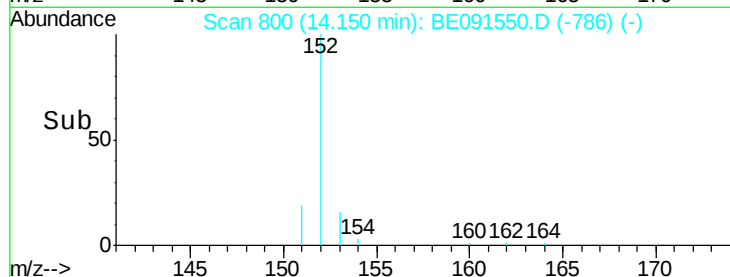
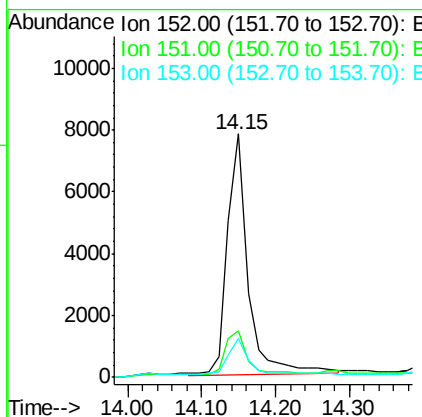
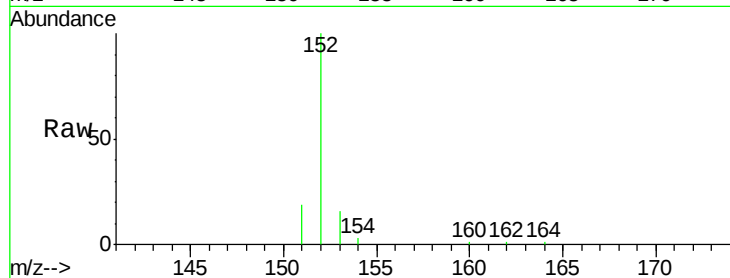
ClientSampleId :

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Tgt Ion:	152	Resp:	15278
Ion Ratio	Lower	Upper	
152	100		
151	30.8	16.3	24.5#
153	16.6	11.1	16.7

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#14

Acenaphthene

Concen: 0.11 ng

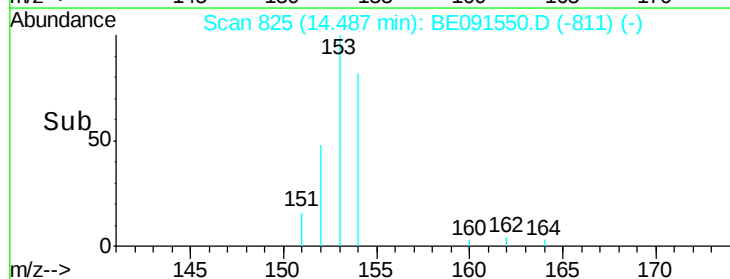
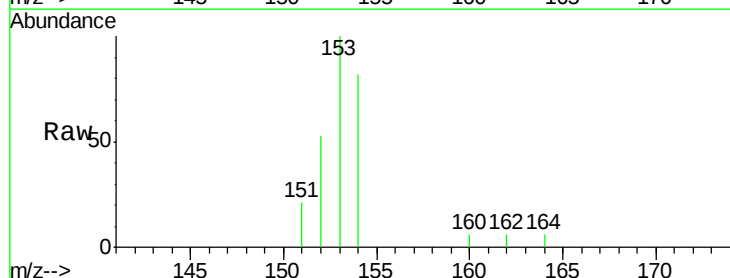
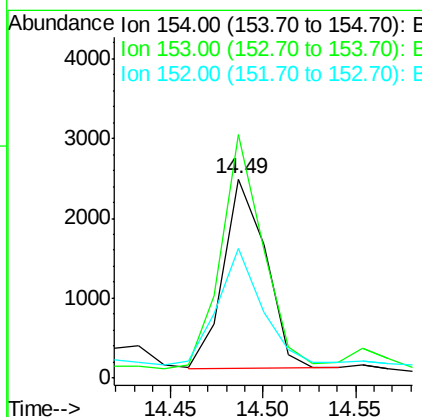
RT: 14.49 min Scan# 825

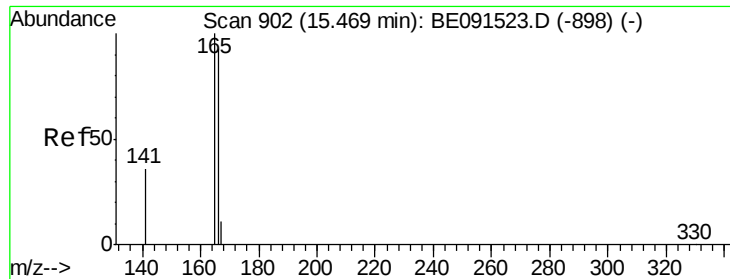
Delta R.T. -0.01 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Tgt Ion:	154	Resp:	3784
Ion Ratio	Lower	Upper	
154	100		
153	122.8	87.3	130.9
152	70.0	42.9	64.3#





#15

Fluorene

Concen: 0.12 ng m

RT: 15.47 min Scan# 902

Delta R.T. -0.01 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Instrument :

BNA_E

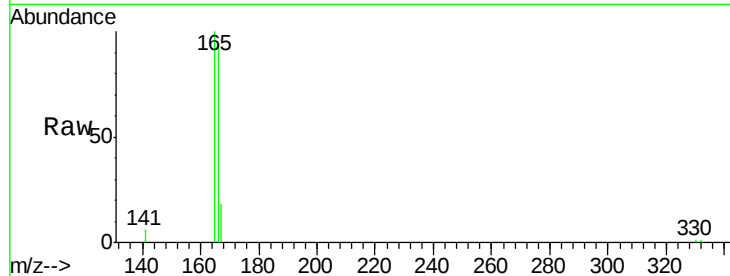
ClientSampleId :

SB-6A

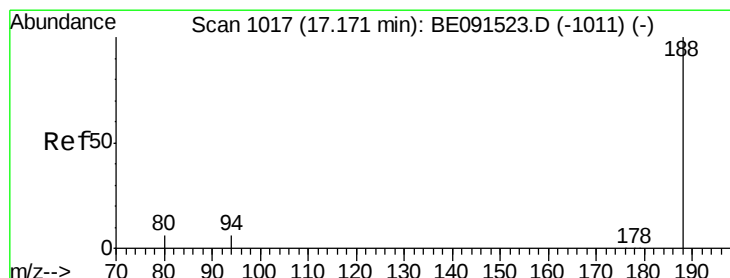
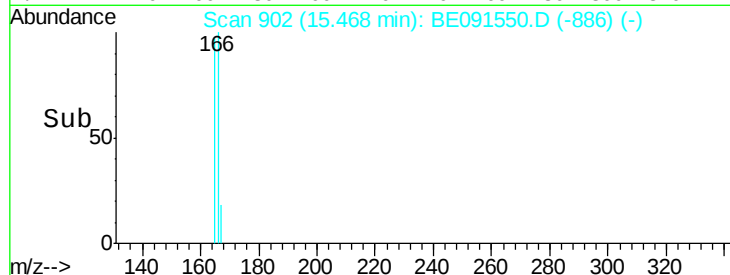
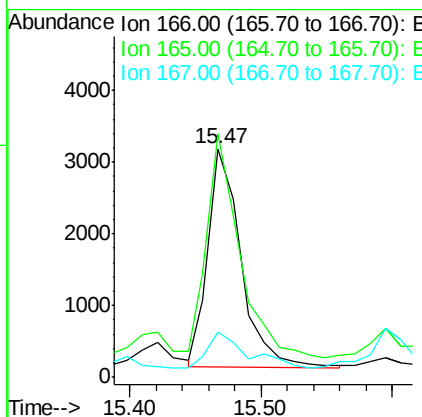
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Tgt Ion:	166	Resp:	5337
Ion Ratio	Lower	Upper	
166	100		
165	102.5	79.2	118.8
167	19.9	10.8	16.2#



#16

Phenanthrene-d10

Concen: 5.00 ng

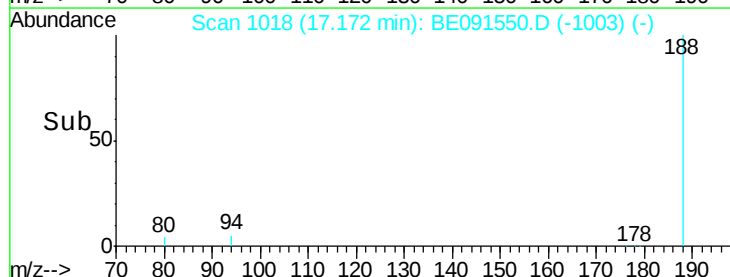
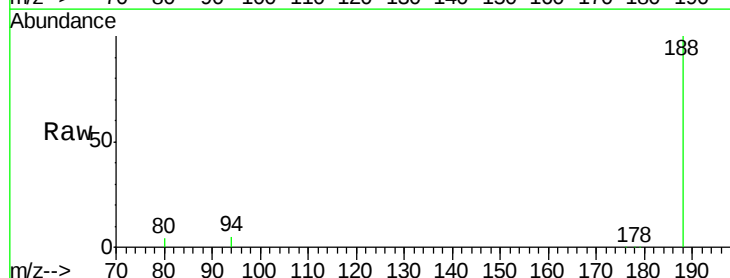
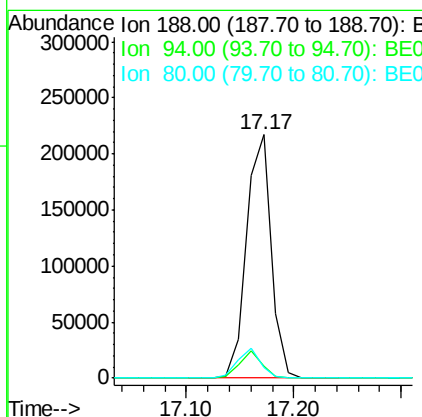
RT: 17.17 min Scan# 1018

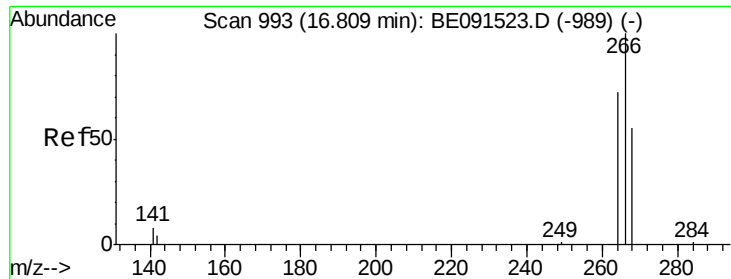
Delta R.T. -0.00 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Tgt Ion:	188	Resp:	345516
Ion Ratio	Lower	Upper	
188	100		
94	4.9	5.4	8.2#
80	4.2	5.0	7.4#





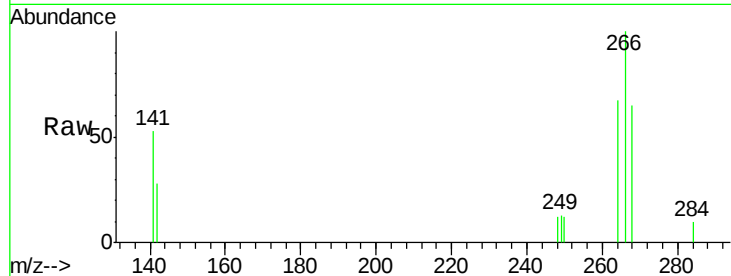
#18
 Pentachlorophenol
 Concen: 0.40 ng
 RT: 16.81 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Instrument :
 BNA_E
 ClientSampleId :
 SB-6A

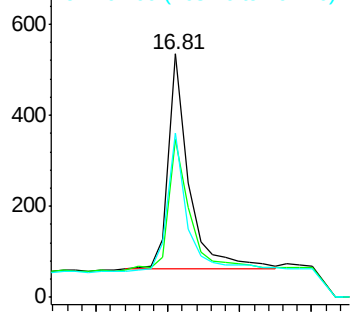
Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.0	48.2	72.2
264	67.3	52.1	78.1

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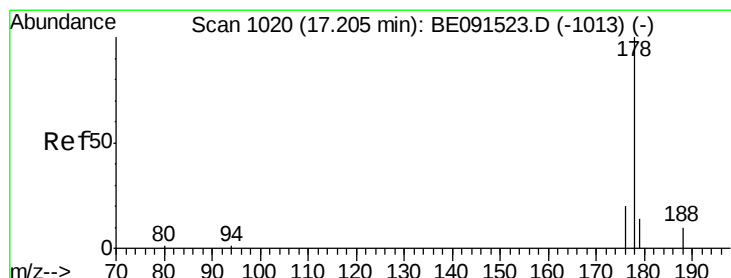
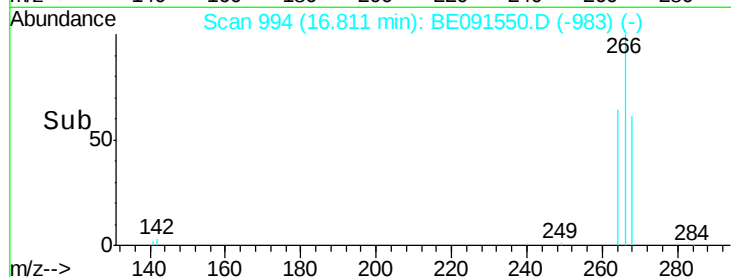
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Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

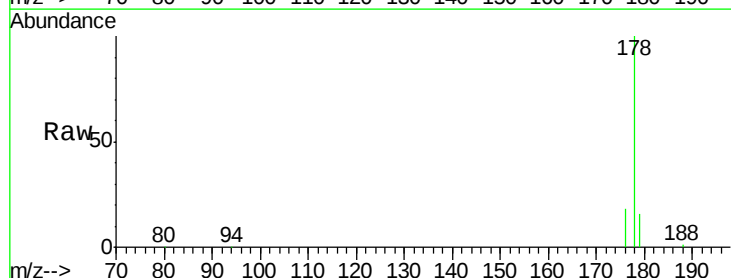


Time-->

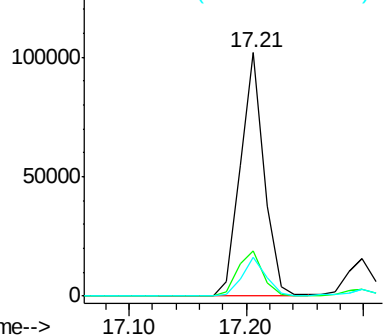


#19
 Phenanthrene
 Concen: 1.79 ng
 RT: 17.21 min Scan# 1021
 Delta R.T. -0.00 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

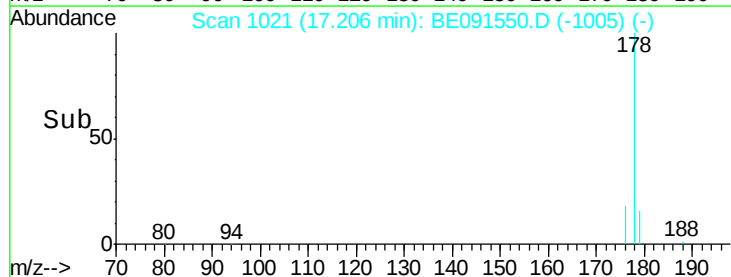
Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	16.0	13.1	19.7

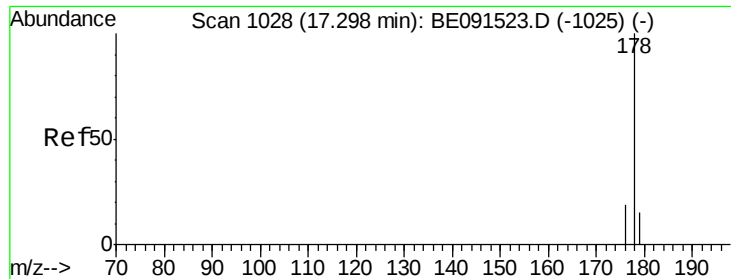


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E



Time-->





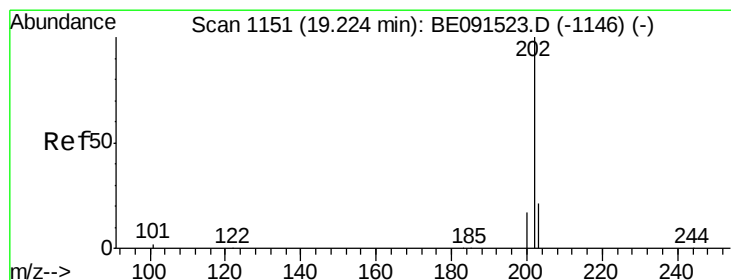
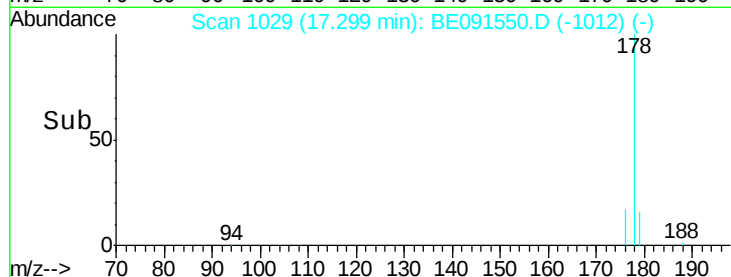
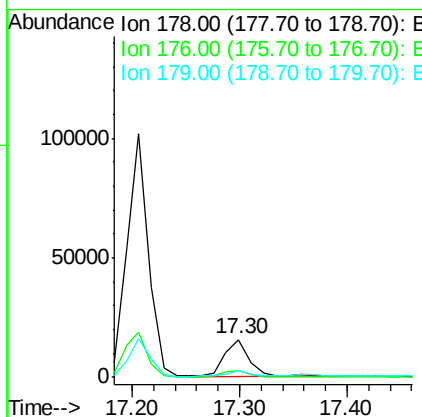
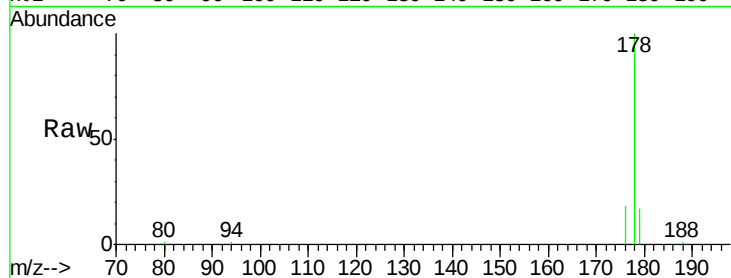
#20
 Anthracene
 Concen: 0.38 ng
 RT: 17.30 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Instrument :
 BNA_E
 ClientSampleId :
 SB-6A

Tgt Ion:178 Resp: 24994
 Ion Ratio Lower Upper
 178 100
 176 18.3 14.9 22.3
 179 13.2 12.2 18.4

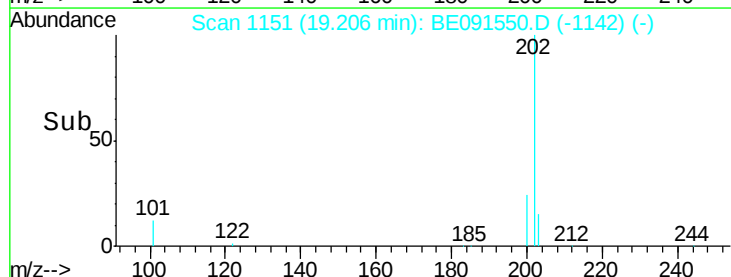
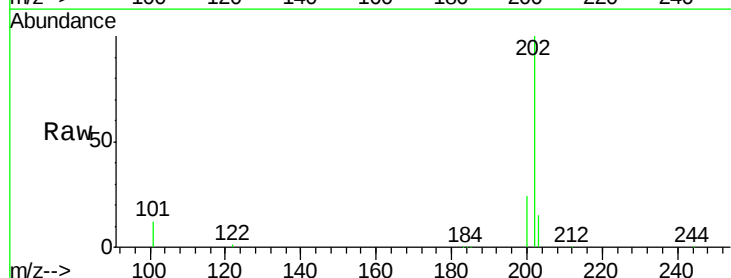
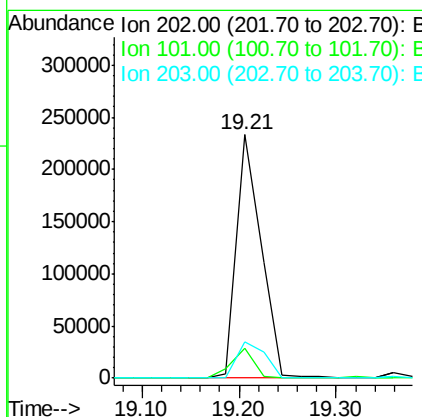
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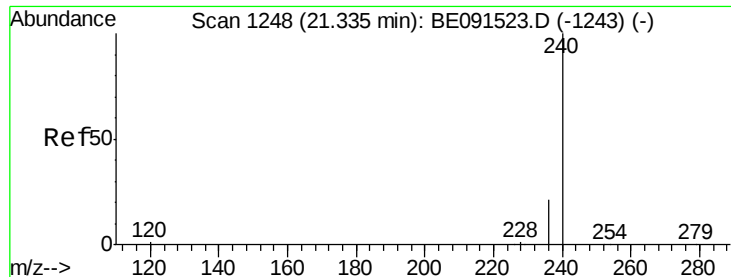
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#21
 Fluoranthene
 Concen: 5.49 ng
 RT: 19.21 min Scan# 1151
 Delta R.T. -0.02 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Tgt Ion:202 Resp: 406035
 Ion Ratio Lower Upper
 202 100
 101 10.8 8.3 12.5
 203 17.2 13.9 20.9





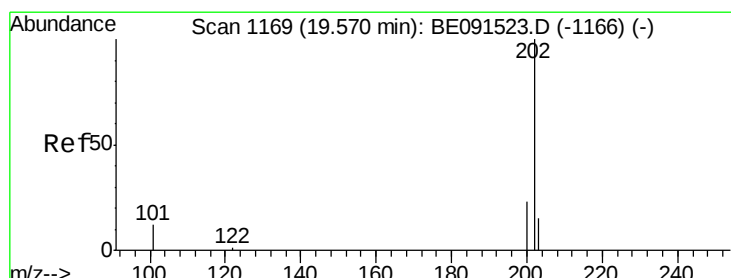
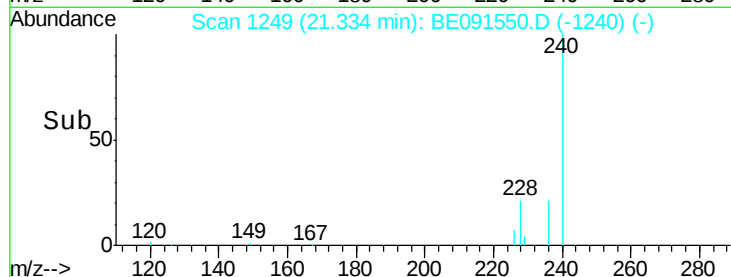
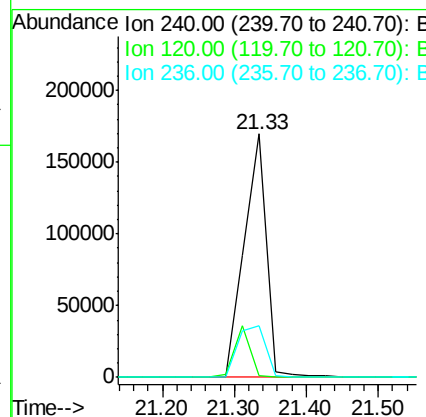
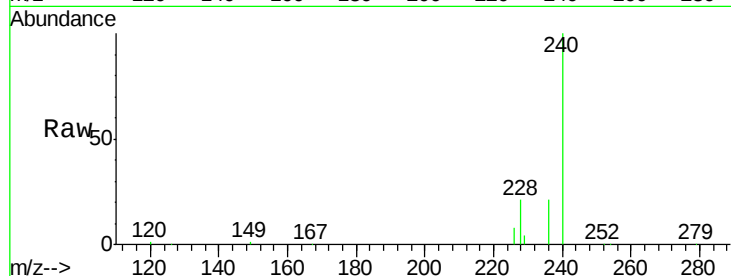
#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE091550.D
Acq: 28 Mar 2016 22:52

Instrument :
BNA_E
ClientSampleId :
SB-6A

Tgt Ion	Ratio	Lower	Upper
240	100		
120	0.8	4.0	6.0#
236	21.1	23.0	34.4#

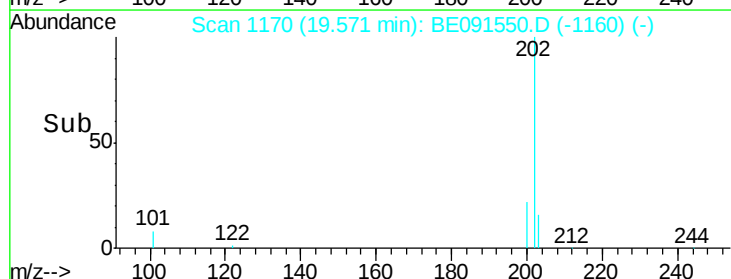
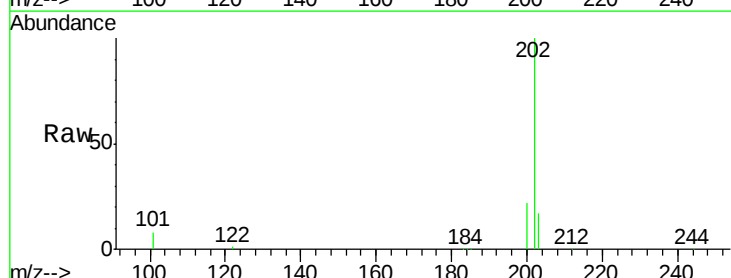
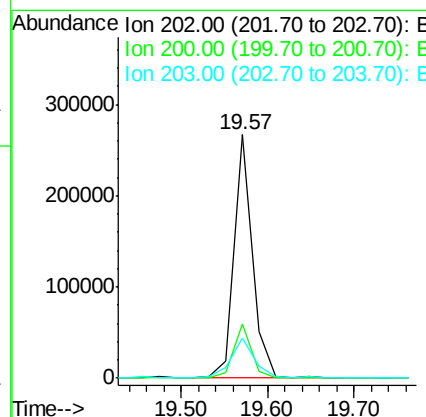
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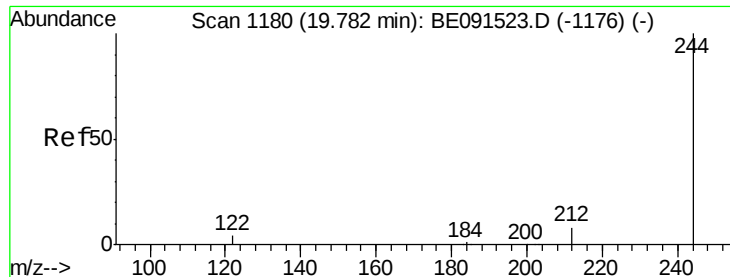
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#23
Pyrene
Concen: 4.60 ng
RT: 19.57 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BE091550.D
Acq: 28 Mar 2016 22:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.4	24.6
203	21.4	14.6	21.8





#24

Terphenyl-d14

Concen: 3.19 ng

RT: 19.78 min Scan# 1181

Delta R.T. 0.00 min

Lab File: BE091550.D

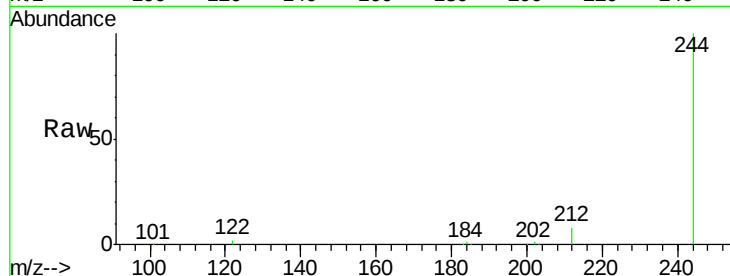
Acq: 28 Mar 2016 22:52

Instrument :

BNA_E

ClientSampleId :

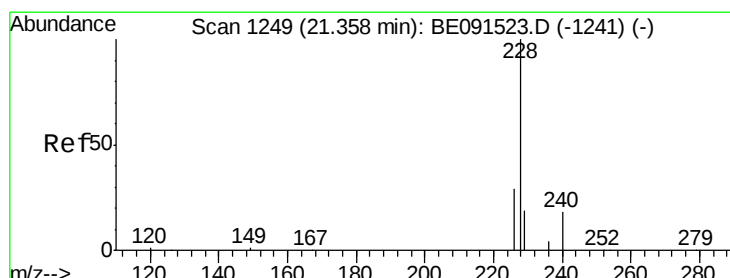
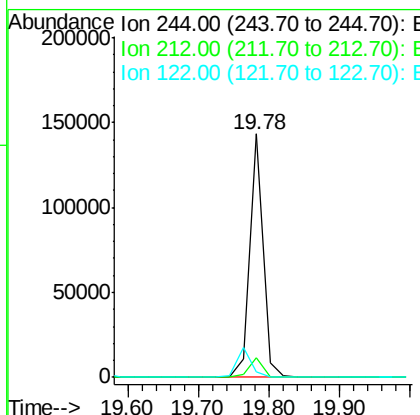
SB-6A



Tgt Ion	Ratio	Resp	Lower	Upper
244	100	189712		
212	7.9	5.8	8.8	
122	2.1	1.8	2.8	

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#25

Benzo(a)anthracene

Concen: 2.48 ng m

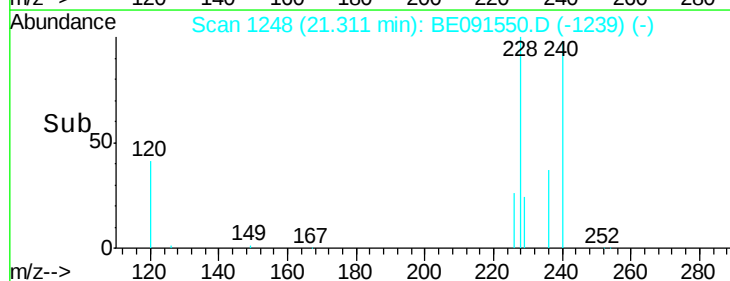
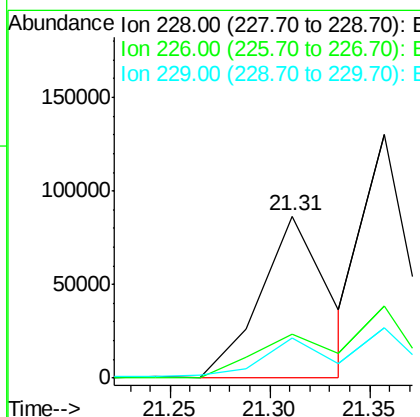
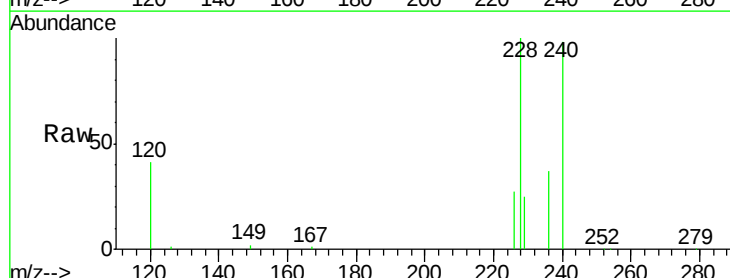
RT: 21.31 min Scan# 1248

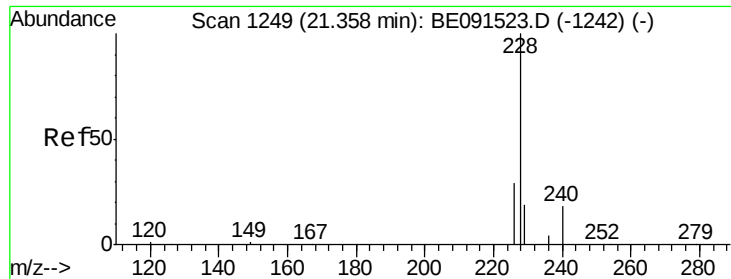
Delta R.T. -0.00 min

Lab File: BE091550.D

Acq: 28 Mar 2016 22:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	206825		
226	26.9	24.0	36.0	
229	24.8	13.8	20.6	





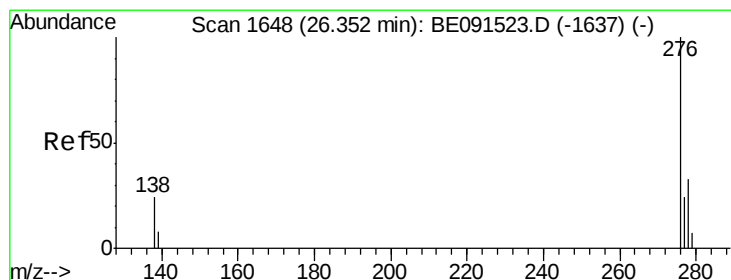
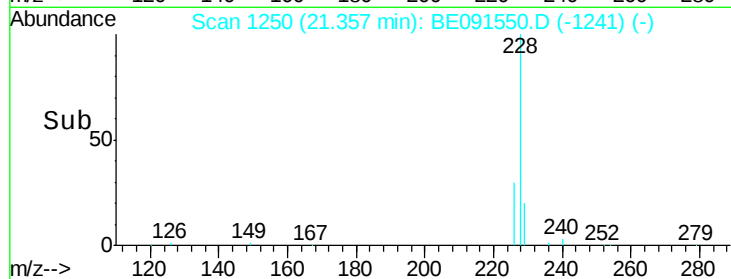
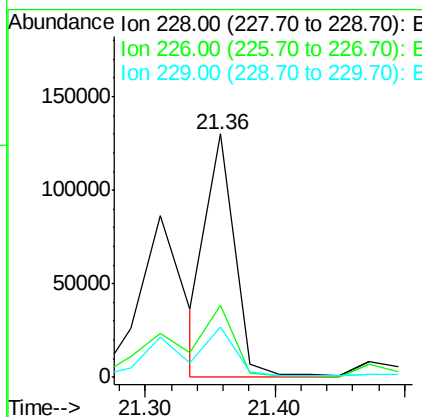
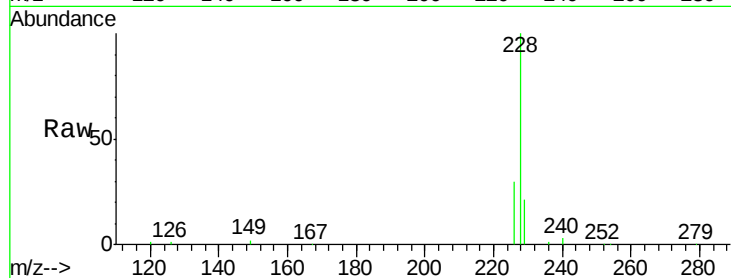
#26
Chrysene
Concen: 1.78 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.00 min
Lab File: BE091550.D
Acq: 28 Mar 2016 22:52

Instrument :
BNA_E
ClientSampleId :
SB-6A

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	18.9	28.3#
229	20.8	19.1	28.7

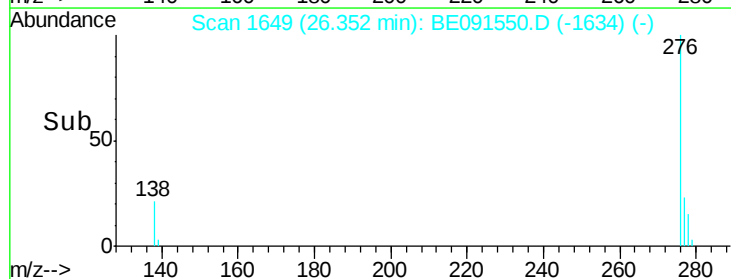
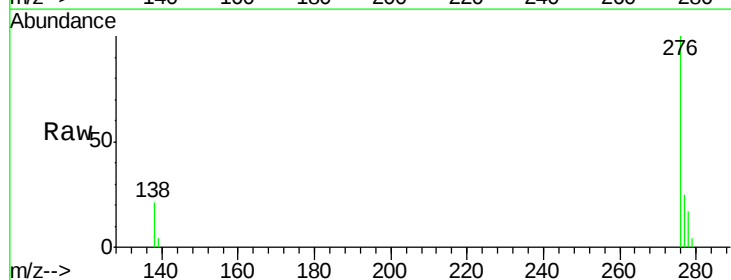
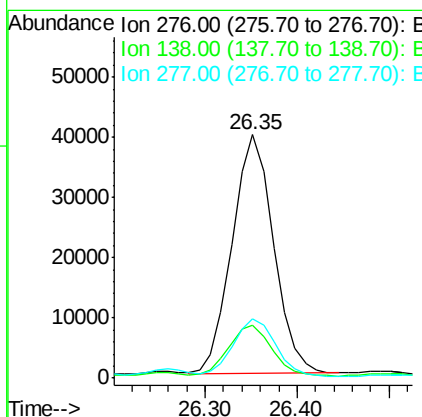
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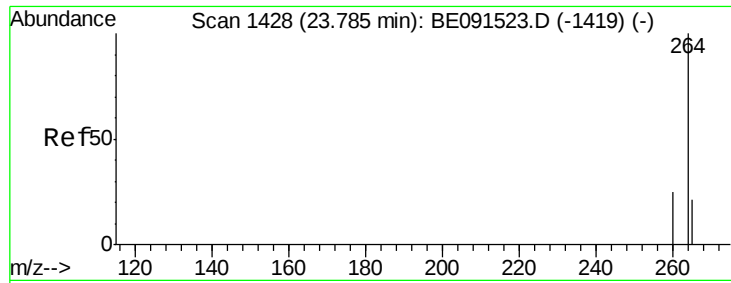
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#27
Indeno(1,2,3-cd)pyrene
Concen: 1.46 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.02 min
Lab File: BE091550.D
Acq: 28 Mar 2016 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	20.2	30.4
277	24.4	19.8	29.8





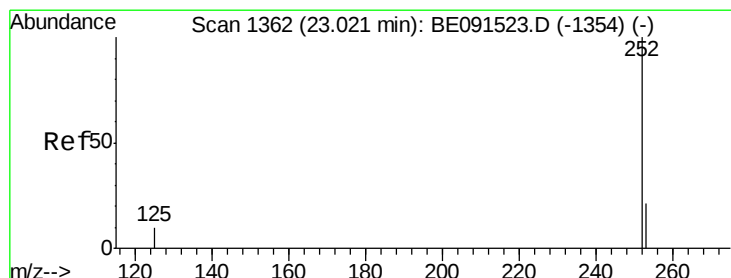
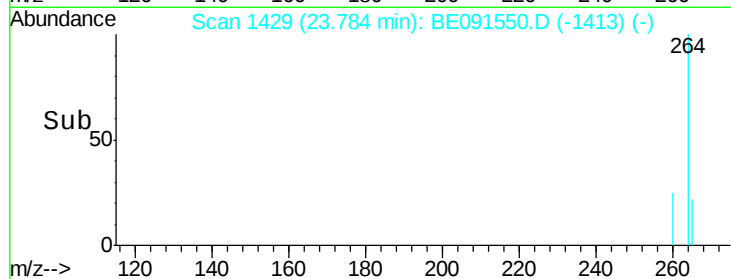
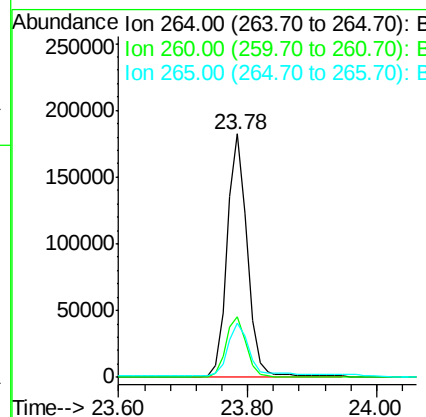
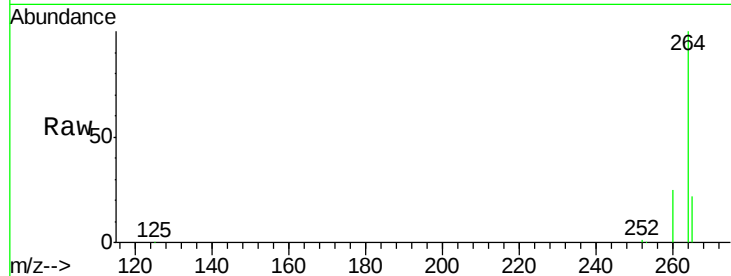
#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.78 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Instrument :
 BNA_E
 ClientSampleId :
 SB-6A

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.0	20.1	30.1
265	22.1	18.3	27.5

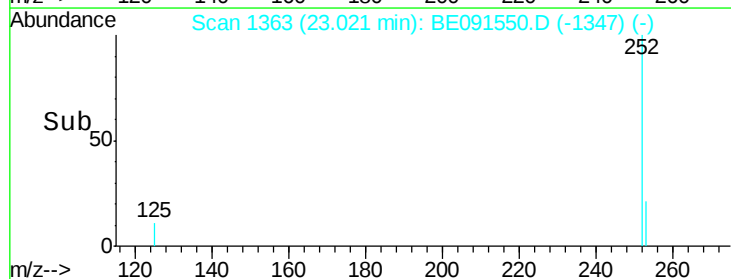
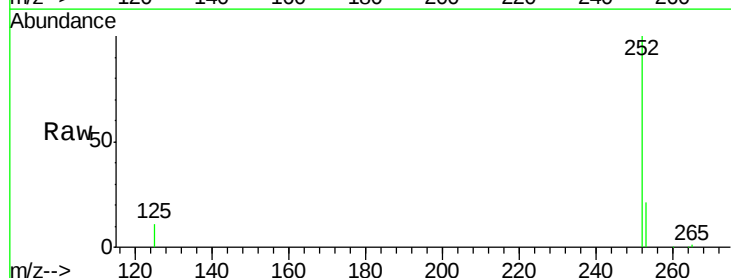
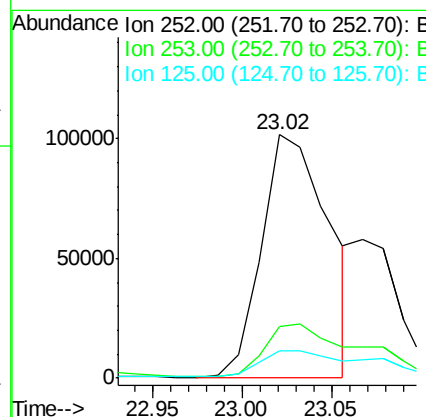
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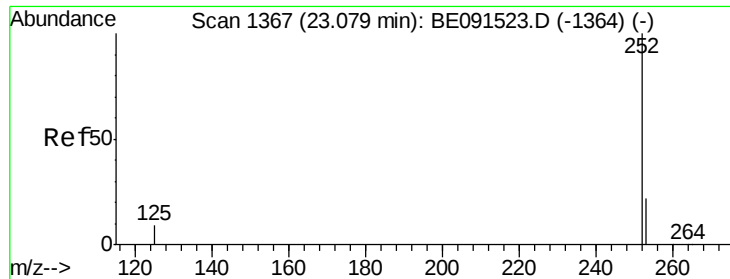
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#29
 Benzo(b)fluoranthene
 Concen: 3.05 ng m
 RT: 23.02 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BE091550.D
 Acq: 28 Mar 2016 22:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	21.2	18.7	28.1
125	11.4	9.8	14.6





#30

Benzo(k)fluoranthene

Concen: 1.20 ng m

RT: 23.07 min Scan# 1367

Delta R.T. -0.01 min

Lab File: BE091550.D

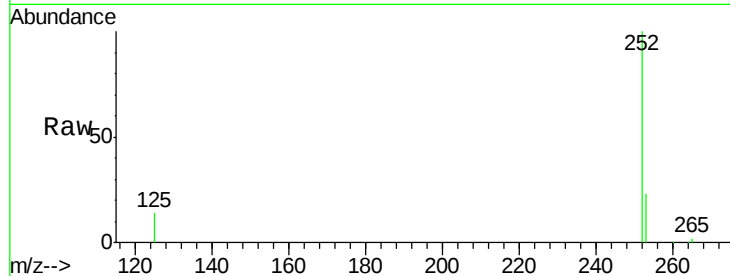
Acq: 28 Mar 2016 22:52

Instrument :

BNA_E

ClientSampleId :

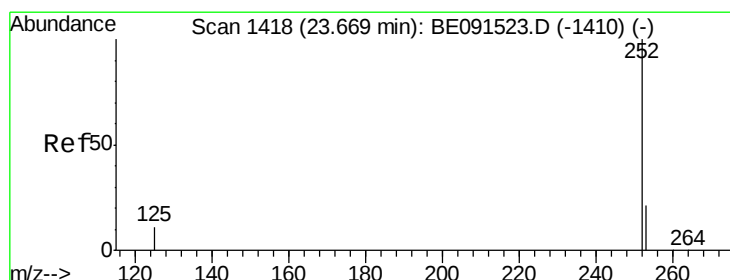
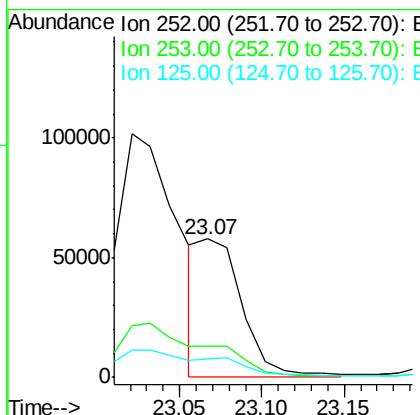
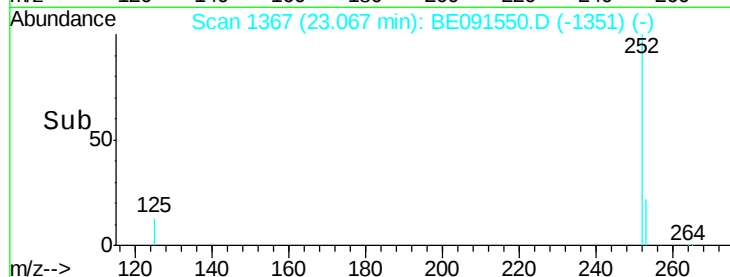
SB-6A



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	20.2	30.4
125	13.5	9.4	14.2

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#31

Benzo(a)pyrene

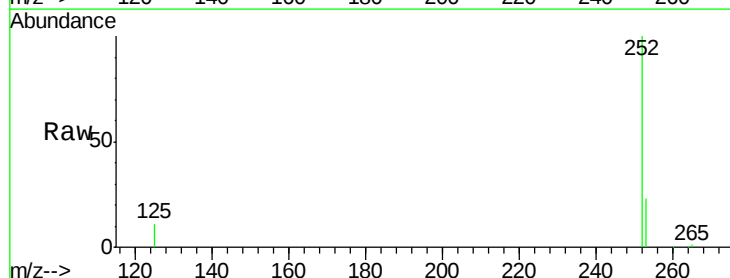
Concen: 2.23 ng m

RT: 23.67 min Scan# 1419

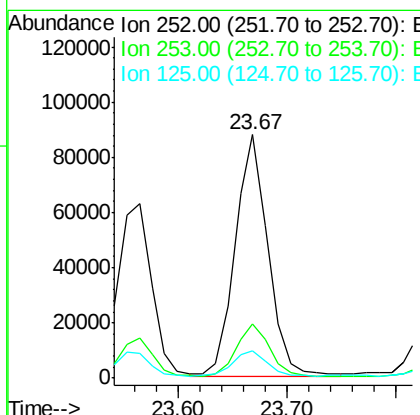
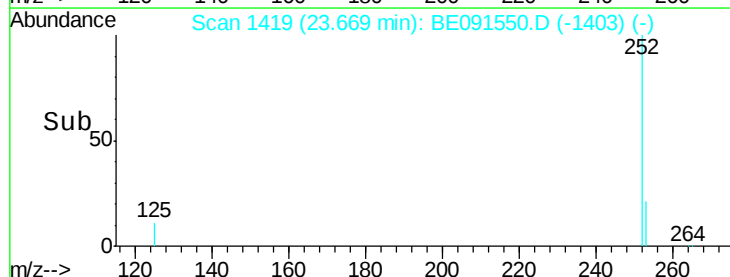
Delta R.T. -0.01 min

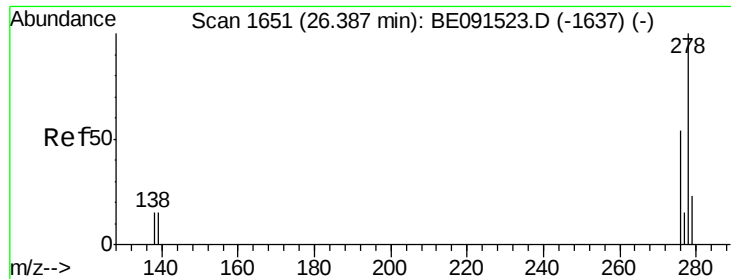
Lab File: BE091550.D

Acq: 28 Mar 2016 22:52



Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	19.4	29.0
125	11.4	11.4	17.2#





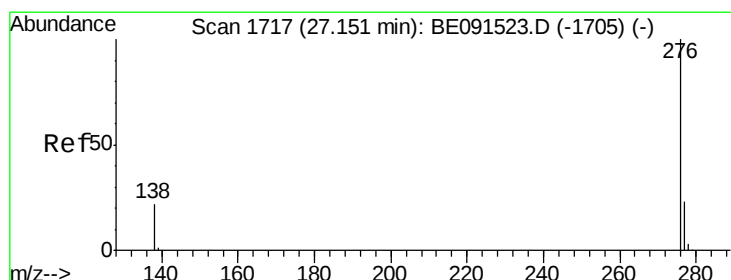
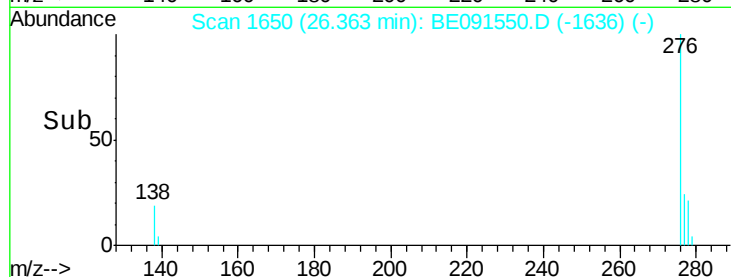
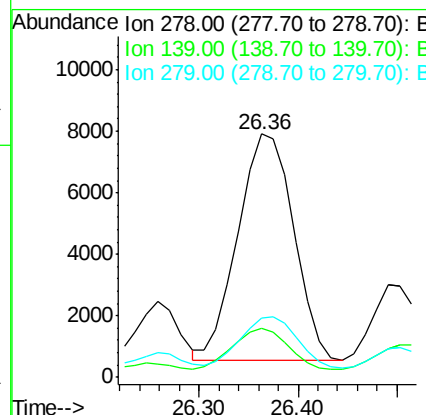
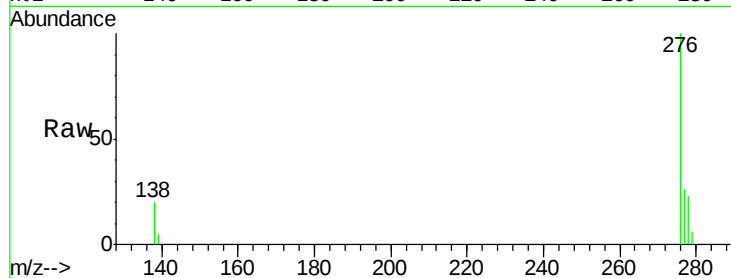
#32
Dibenzo(a,h)anthracene
Concen: 0.37 ng
RT: 26.36 min Scan# 1650
Delta R.T. -0.03 min
Lab File: BE091550.D
Acq: 28 Mar 2016 22:52

Instrument :
BNA_E
ClientSampleId :
SB-6A

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.0	14.2	21.4
279	24.6	19.6	29.4

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#33
Benzo(g,h,i)perylene
Concen: 1.60 ng
RT: 27.15 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BE091550.D
Acq: 28 Mar 2016 22:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.4	29.2
138	21.8	18.2	27.4

