

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
 Data File : BE091548.D
 Acq On : 28 Mar 2016 21:38
 Operator : UM/SJ
 Sample : H1855-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SB-4

Manual Integrations
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Sohil
 3/29/2016 5:05:51 PM

Quant Time: Mar 29 01:29:02 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	42204	5.00	ng	0.00
6) Naphthalene-d8	10.59	136	214610	5.00	ng	0.00
10) Acenaphthene-d10	14.43	164	134328	5.00	ng	-0.01
16) Phenanthrene-d10	17.17	188	330472	5.00	ng	0.00
22) Chrysene-d12	21.34	240	354766	5.00	ng	0.00
28) Perylene-d12	23.78	264	371184	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.41	112	64165	7.80	ng	-0.01
5) Phenol-d6	6.97	99	100322	8.93	ng	-0.02
7) Nitrobenzene-d5	8.97	82	37972	4.07	ng	-0.01
11) 2,4,6-Tribromophenol	15.91	330	26991	11.81	ng	-0.01
12) 2-Fluorobiphenyl	13.06	172	139397	3.68	ng	-0.01
24) Terphenyl-d14	19.78	244	228883	3.92	ng	0.00
Target Compounds						Qvalue
8) Naphthalene	10.63	128	4017	0.09	ng	# 92
9) 2-Methylnaphthalene	12.25	142	1680	0.06	ng	# 83
13) Acenaphthylene	14.15	152	15353	0.33	ng	98
14) Acenaphthene	14.49	154	3015	0.09	ng	# 89
15) Fluorene	15.47	166	5069	0.12	ng	# 93
18) Pentachlorophenol	16.81	266	1321	0.49	ng	96
19) Phenanthrene	17.21	178	143324	1.89	ng	99
20) Anthracene	17.30	178	25461	0.41	ng	98
21) Fluoranthene	19.21	202	325808	4.60	ng	99
23) Pyrene	19.57	202	334277	3.99	ng	96
25) Benzo(a)anthracene	21.31	228	167517m	2.05	ng	
26) Chrysene	21.36	228	153277m	1.43	ng	
27) Indeno(1,2,3-cd)pyrene	26.35	276	91875	1.10	ng	95
29) Benzo(b)fluoranthene	23.02	252	206843m	2.51	ng	
30) Benzo(k)fluoranthene	23.07	252	78933m	0.96	ng	
31) Benzo(a)pyrene	23.67	252	136837m	1.79	ng	
32) Dibenzo(a,h)anthracene	26.36	278	21840	0.30	ng	97
33) Benzo(g,h,i)perylene	27.15	276	96126	1.26	ng	98

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

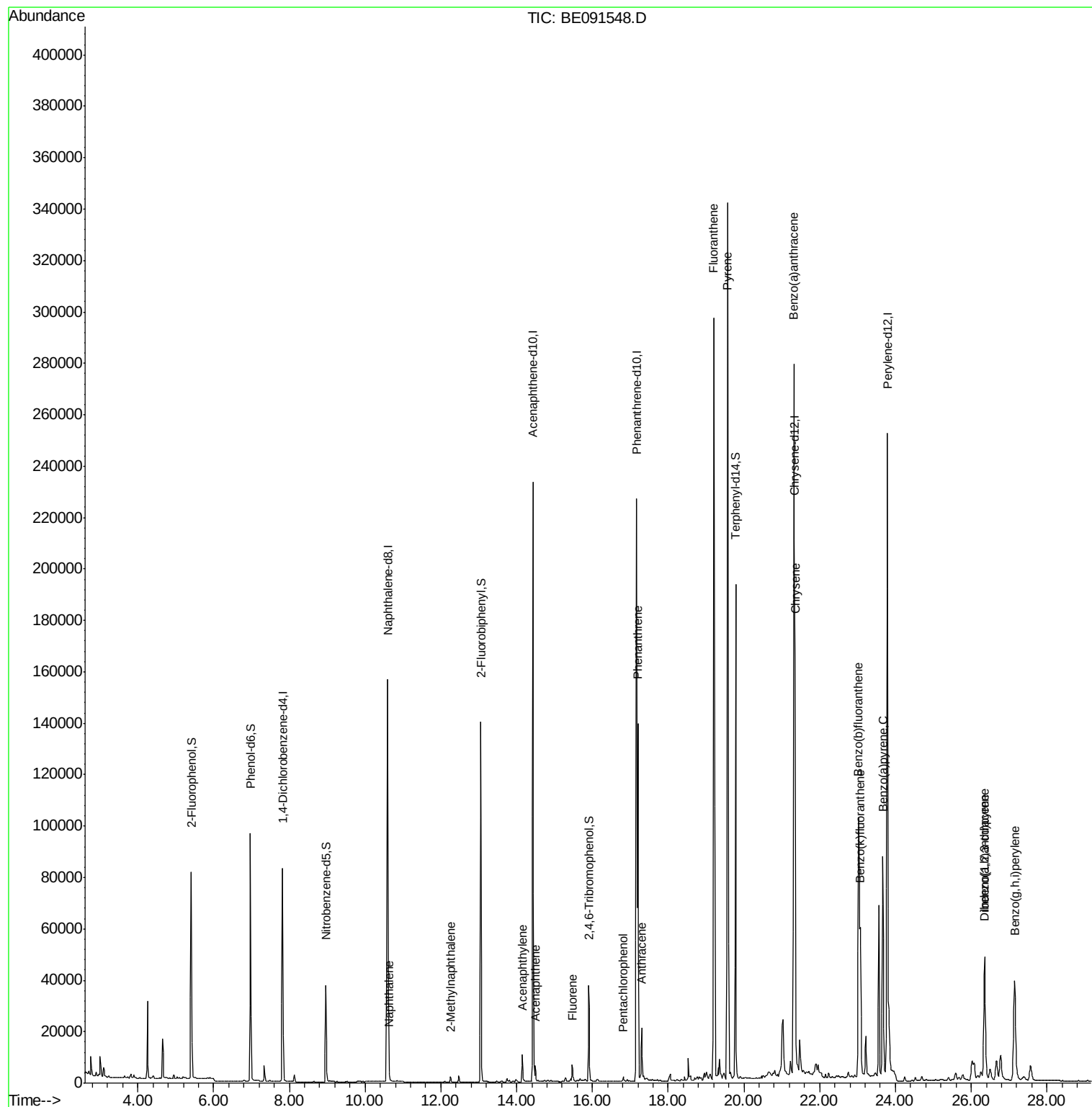
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE032816\
Data File : BE091548.D
Acq On : 28 Mar 2016 21:38
Operator : UM/SJ
Sample : H1855-06
Misc :
ALS Vial : 15 Sample Multiplier: 1

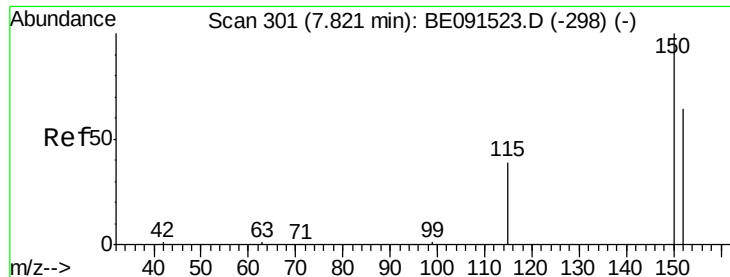
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

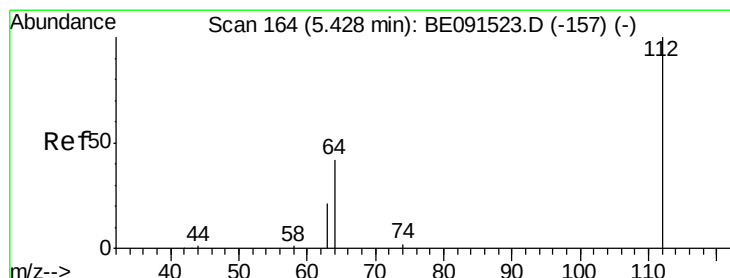
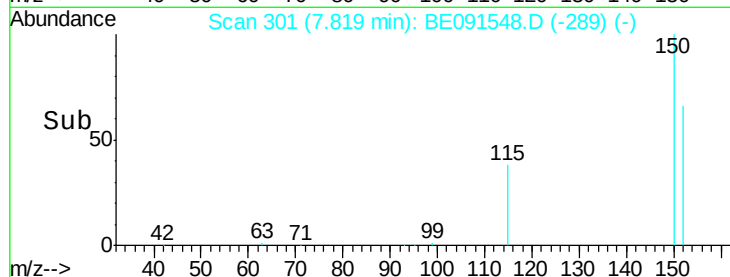
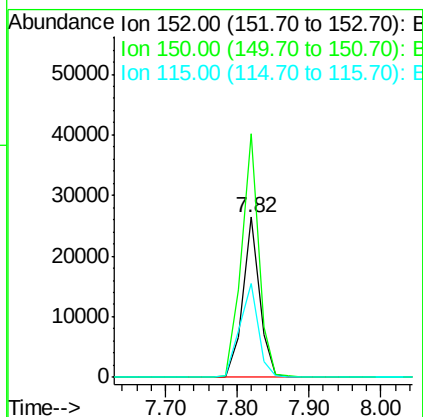
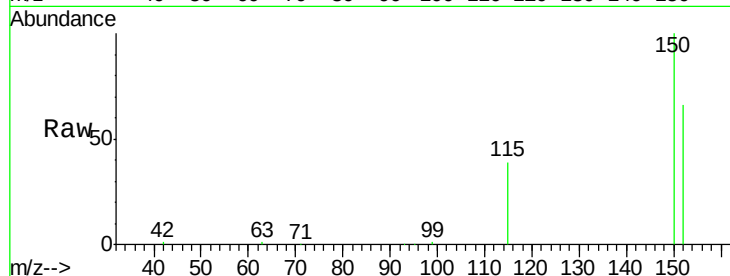
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.82 min Scan# 301
Delta R.T. -0.00 min
Lab File: BE091548.D
Acq: 28 Mar 2016 21:38

Instrument :
BNA_E
ClientSampled :
SB-4

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.0	122.2	183.2
115	58.6	45.9	68.9

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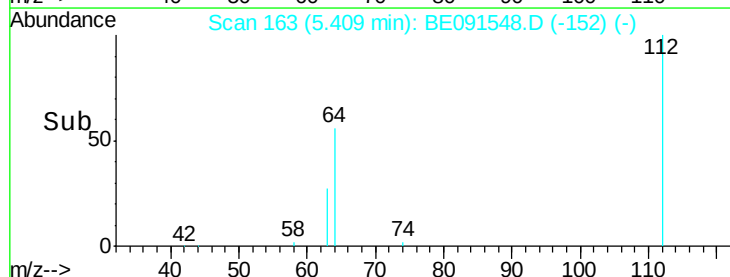
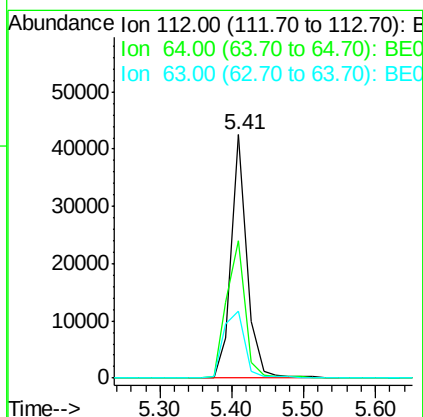
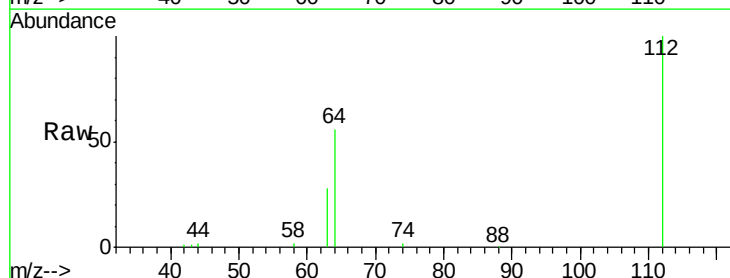
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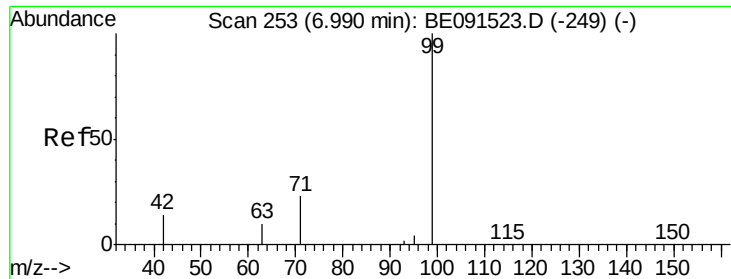


#4

2-Fluorophenol
Concen: 7.80 ng
RT: 5.41 min Scan# 163
Delta R.T. -0.01 min
Lab File: BE091548.D
Acq: 28 Mar 2016 21:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	53.3	79.9
63	37.3	29.8	44.8





#5

Phenol-d6

Concen: 8.93 ng

RT: 6.97 min Scan# 252

Delta R.T. -0.02 min

Lab File: BE091548.D

Acq: 28 Mar 2016 21:38

Instrument :

BNA_E

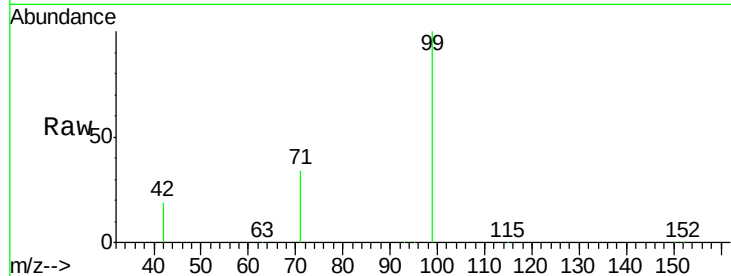
ClientSampleId :

SB-4

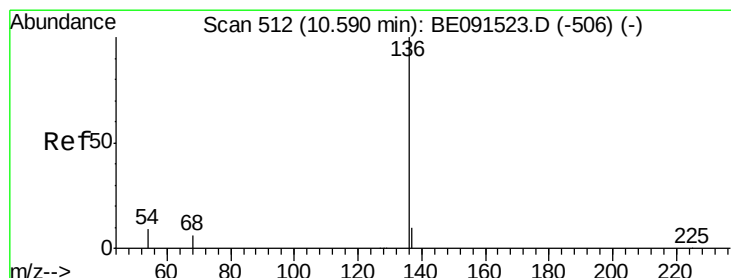
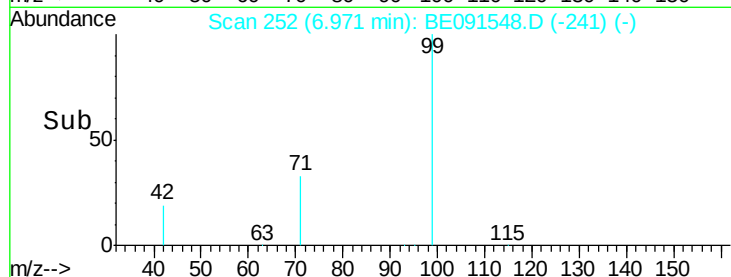
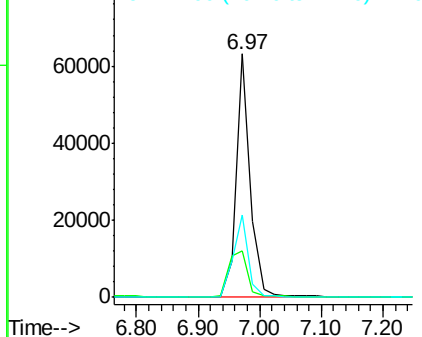
Tgt	Ion	99	Resp:	100322
Ion	Ratio	Lower	Upper	
99	100			
42	26.0	20.6	30.8	
71	36.2	29.0	43.4	

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Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.59 min Scan# 512

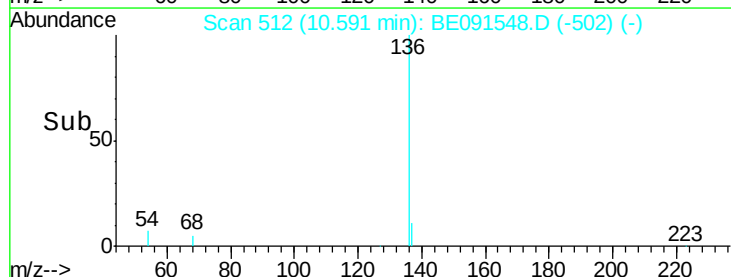
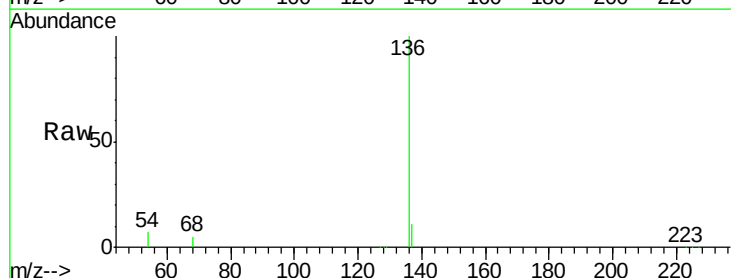
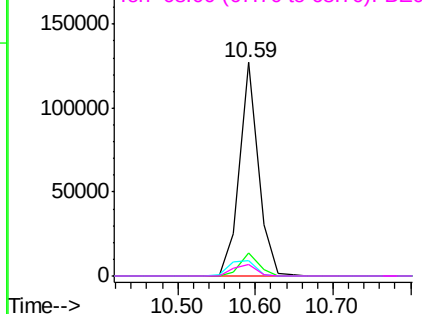
Delta R.T. -0.00 min

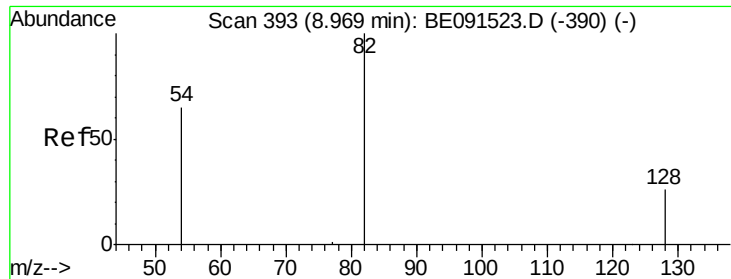
Lab File: BE091548.D

Acq: 28 Mar 2016 21:38

Tgt	Ion	136	Resp:	214610
Ion	Ratio	Lower	Upper	
136	100			
137	10.9	8.8	13.2	
54	7.1	5.2	7.8	
68	5.2	4.1	6.1	

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 4.07 ng

RT: 8.97 min Scan# 393

Delta R.T. -0.01 min

Lab File: BE091548.D

Acq: 28 Mar 2016 21:38

Instrument :

BNA_E

ClientSampled :

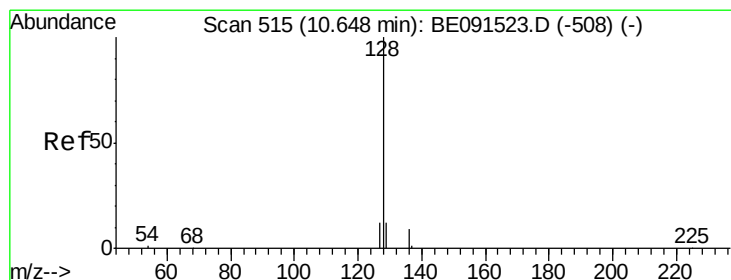
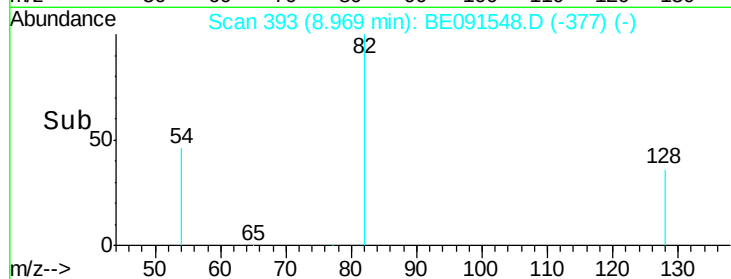
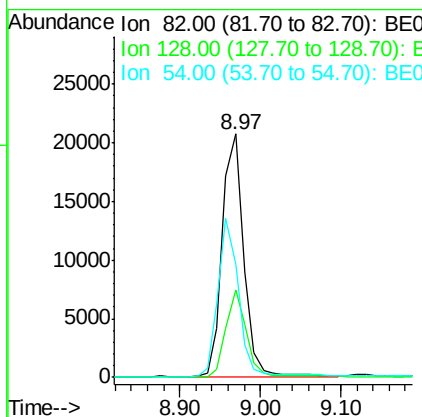
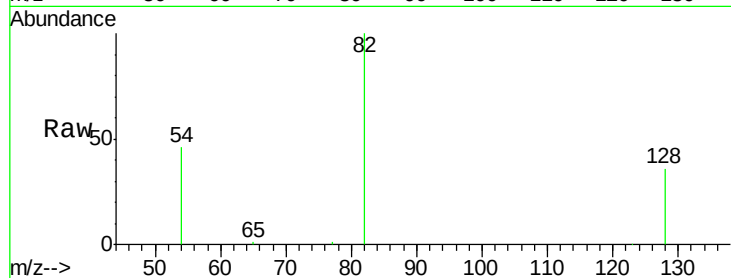
SB-4

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Tgt Ion:	82	Resp:	37972
Ion Ratio	Lower	Upper	
82	100		
128	36.0	23.5	35.3#
54	46.4	52.4	78.6#



#8

Naphthalene

Concen: 0.09 ng

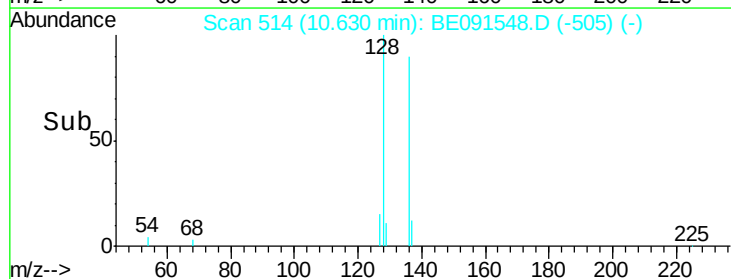
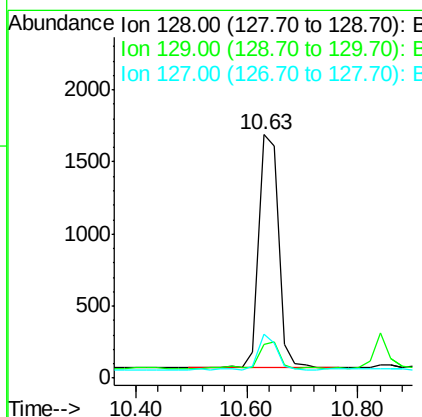
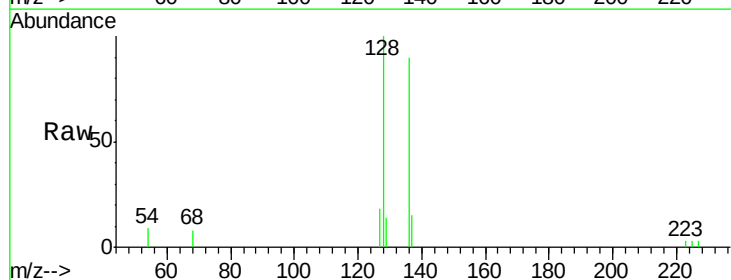
RT: 10.63 min Scan# 514

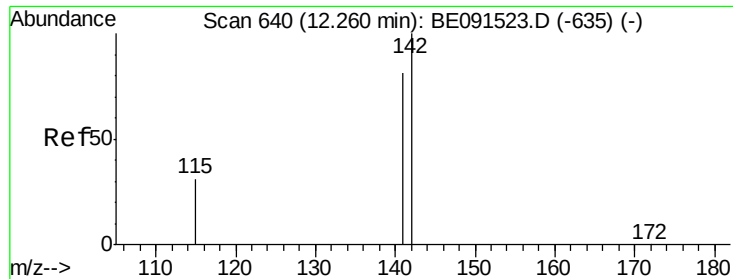
Delta R.T. -0.02 min

Lab File: BE091548.D

Acq: 28 Mar 2016 21:38

Tgt Ion:	128	Resp:	4017
Ion Ratio	Lower	Upper	
128	100		
129	13.8	8.2	12.2#
127	17.9	11.8	17.8#





#9

2-Methylnaphthalene

Concen: 0.06 ng

RT: 12.25 min Scan# 639

Delta R.T. -0.01 min

Lab File: BE091548.D

Acq: 28 Mar 2016 21:38

Instrument :

BNA_E

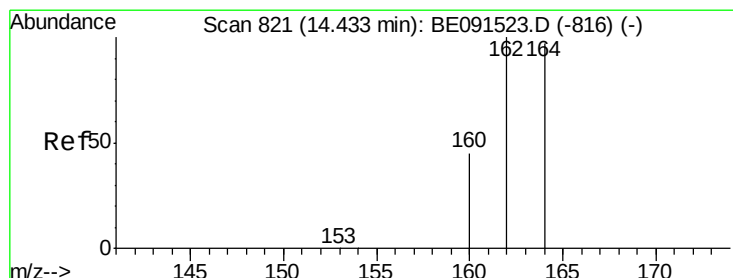
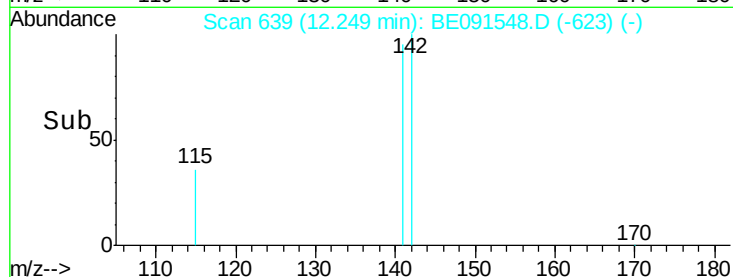
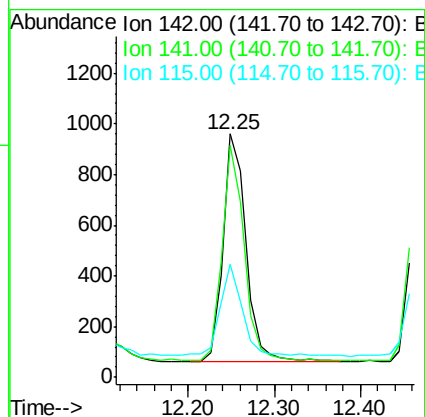
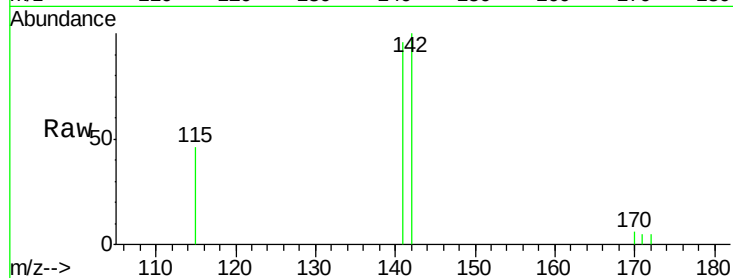
ClientSampled :

SB-4

Tgt Ion:	142	Resp:	1680
Ion Ratio	Lower	Upper	
142	100		
141	95.5	66.9	100.3
115	46.3	25.1	37.7#

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#10

Acenaphthene-d10

Concen: 5.00 ng

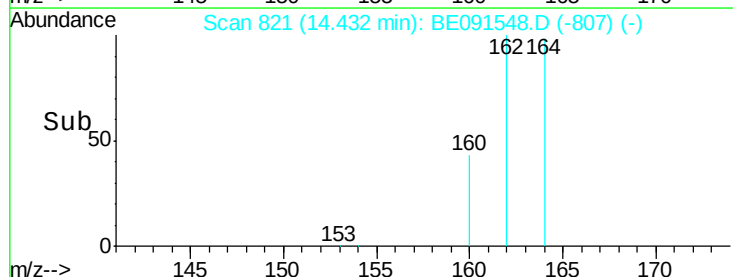
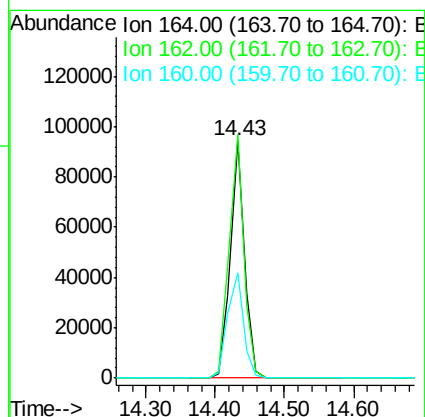
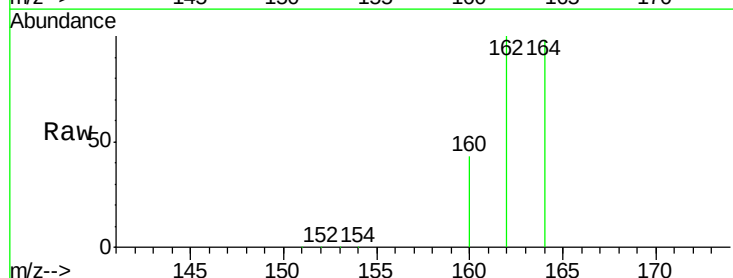
RT: 14.43 min Scan# 821

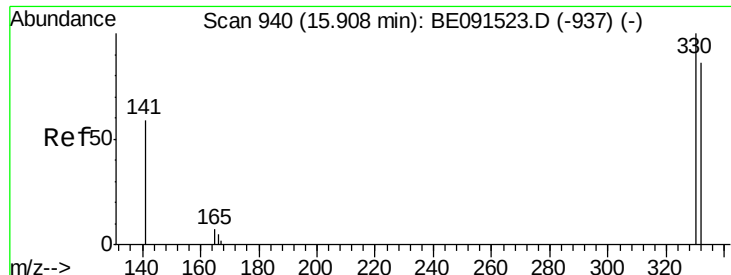
Delta R.T. -0.01 min

Lab File: BE091548.D

Acq: 28 Mar 2016 21:38

Tgt Ion:	164	Resp:	134328
Ion Ratio	Lower	Upper	
164	100		
162	102.4	84.4	126.6
160	44.1	37.7	56.5





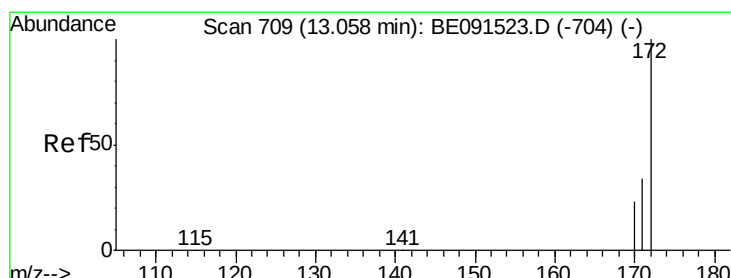
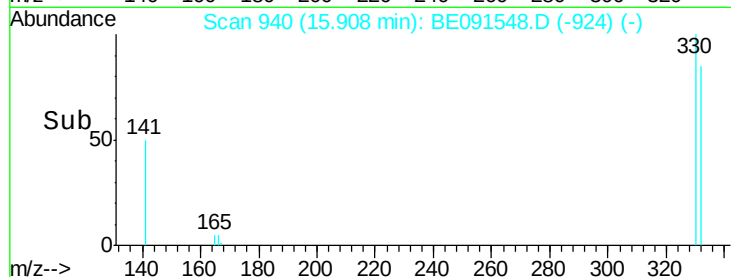
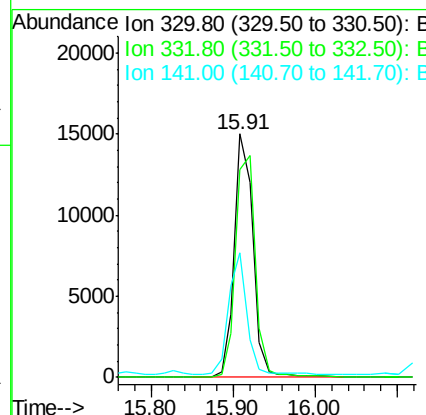
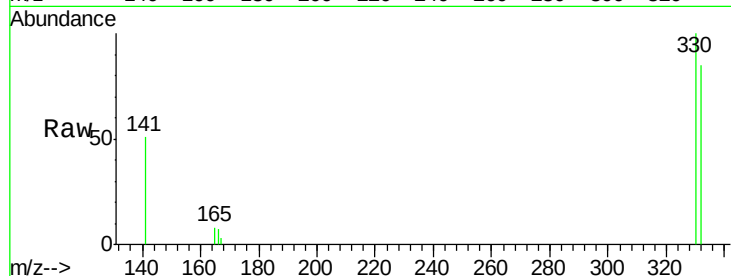
#11
 2,4,6-Tribromophenol
 Concen: 11.81 ng
 RT: 15.91 min Scan# 940
 Delta R.T. -0.01 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Instrument :
 BNA_E
 ClientSampleId :
 SB-4

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	79.2	118.8
141	48.8	28.1	42.1#

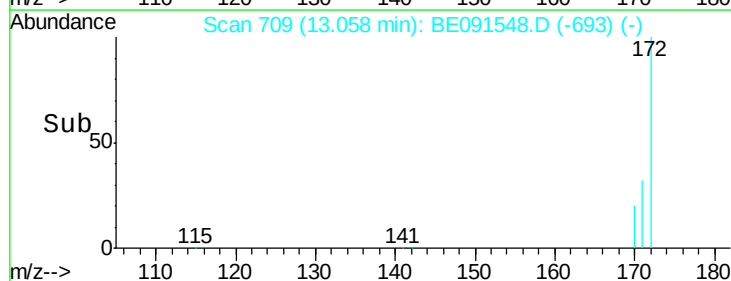
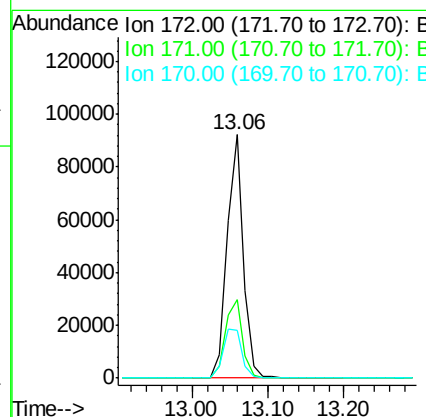
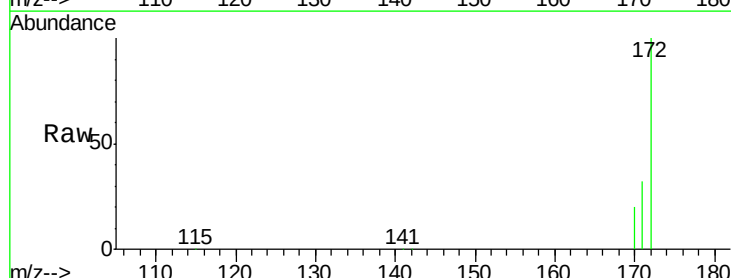
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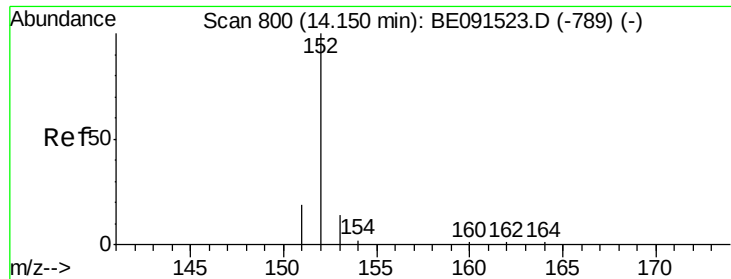
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#12
 2-Fluorobiphenyl
 Concen: 3.68 ng
 RT: 13.06 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.1	29.8	44.8
170	19.8	21.4	32.2#





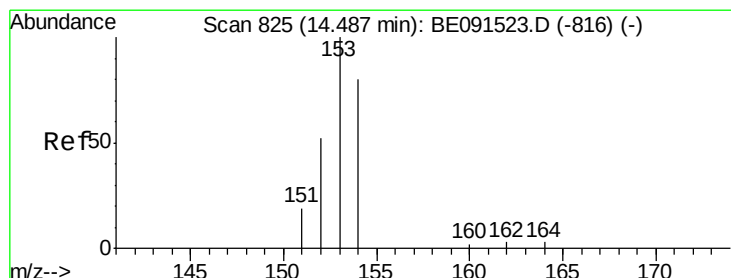
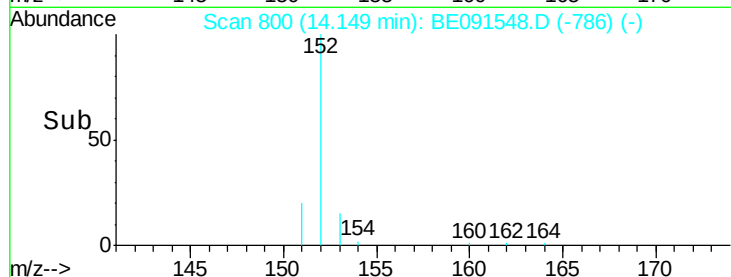
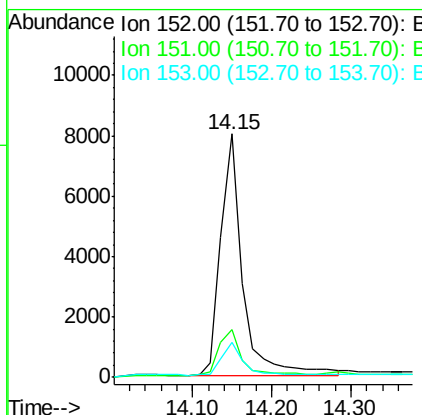
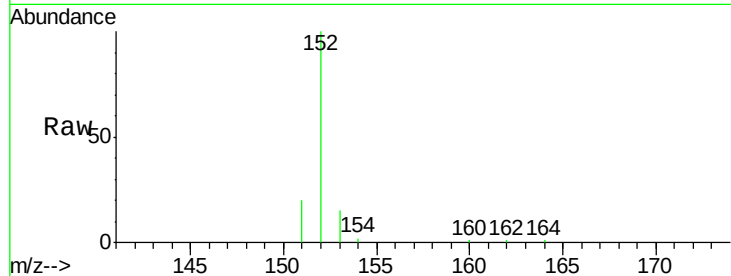
#13
Acenaphthylene
Concen: 0.33 ng
RT: 14.15 min Scan# 800
Delta R.T. 0.00 min
Lab File: BE091548.D
Acq: 28 Mar 2016 21:38

Instrument :
BNA_E
ClientSampled :
SB-4

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.3	24.5
153	15.0	11.1	16.7

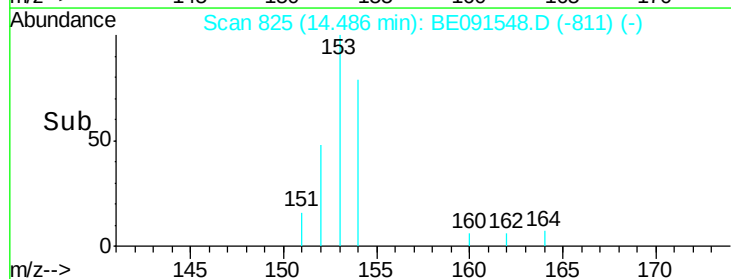
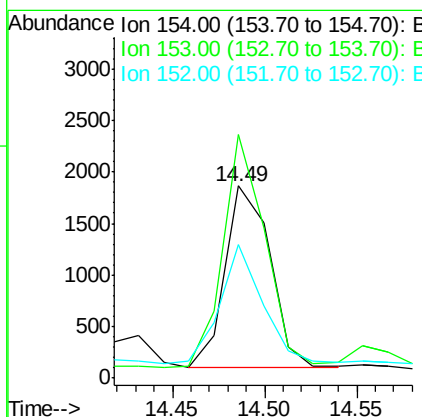
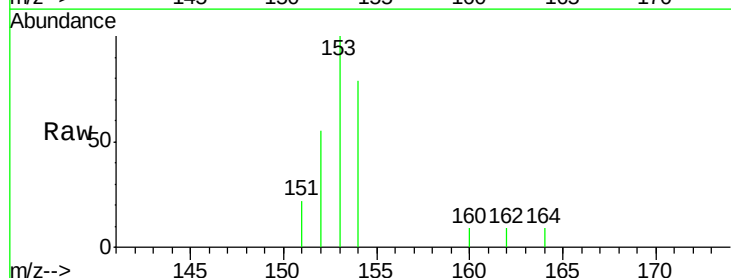
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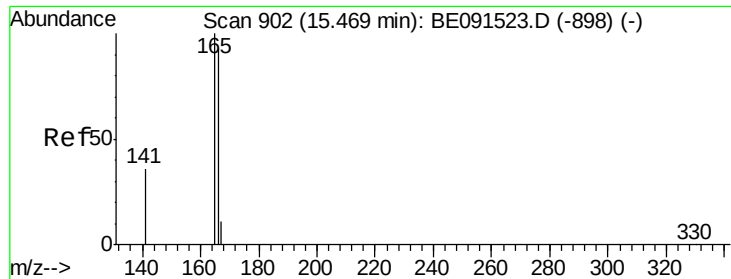
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#14
Acenaphthene
Concen: 0.09 ng
RT: 14.49 min Scan# 825
Delta R.T. -0.01 min
Lab File: BE091548.D
Acq: 28 Mar 2016 21:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.9	87.3	130.9
152	64.8	42.9	64.3





#15

Fluorene

Concen: 0.12 ng

RT: 15.47 min Scan# 902

Delta R.T. -0.01 min

Lab File: BE091548.D

Acq: 28 Mar 2016 21:38

Instrument :

BNA_E

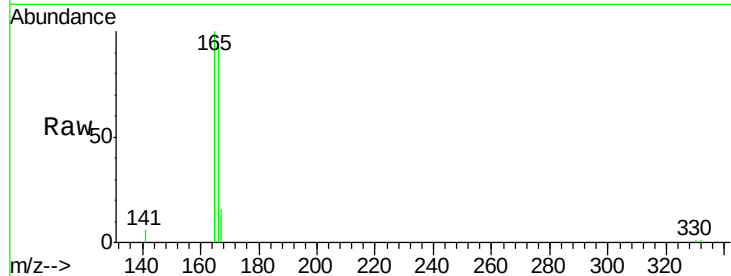
ClientSampleId :

SB-4

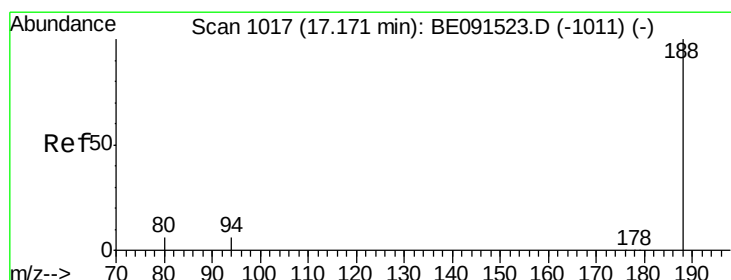
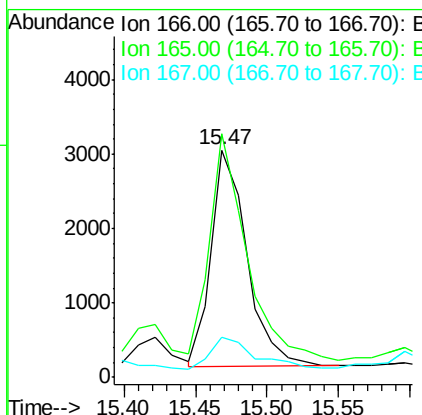
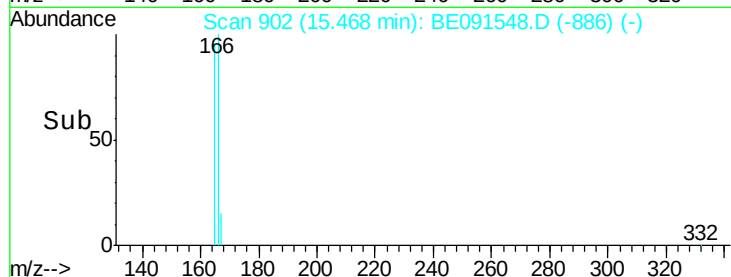
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Tgt Ion:	166	Resp:	5069
Ion Ratio	Lower	Upper	
166	100		
165	105.9	79.2	118.8
167	17.3	10.8	16.2#



#16

Phenanthrene-d10

Concen: 5.00 ng

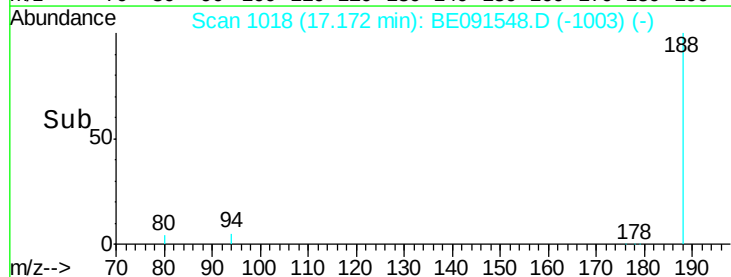
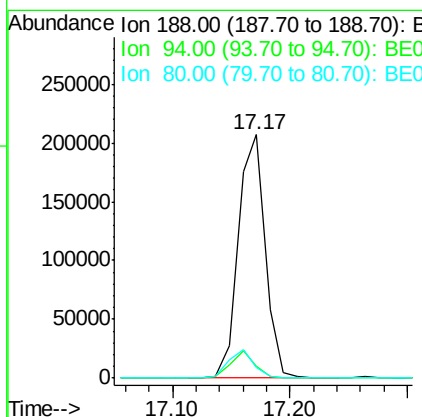
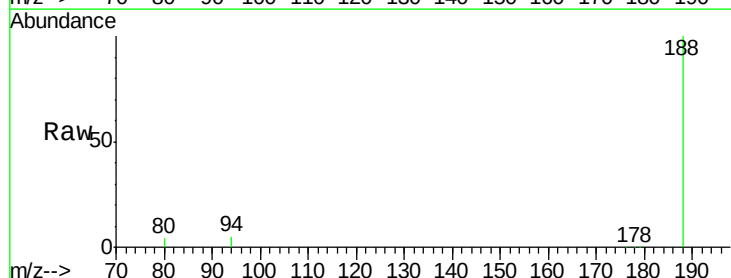
RT: 17.17 min Scan# 1018

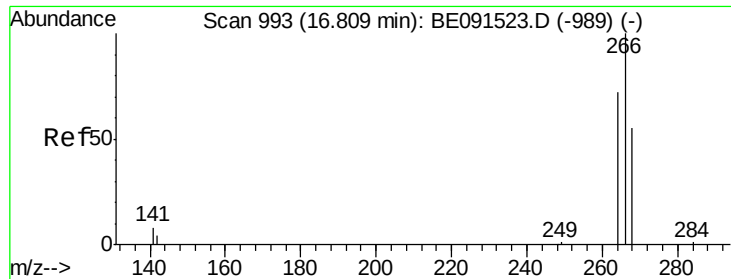
Delta R.T. -0.00 min

Lab File: BE091548.D

Acq: 28 Mar 2016 21:38

Tgt Ion:	188	Resp:	330472
Ion Ratio	Lower	Upper	
188	100		
94	5.1	5.4	8.2#
80	4.3	5.0	7.4#





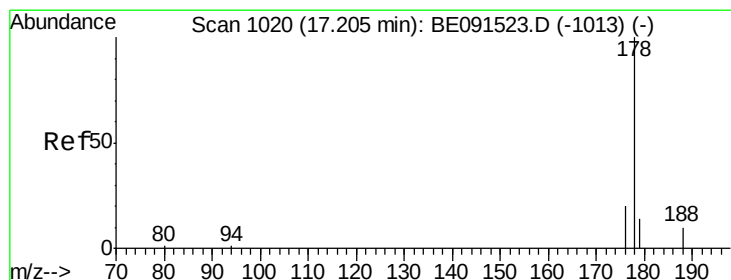
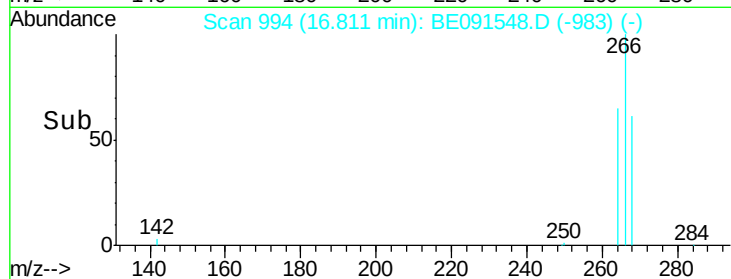
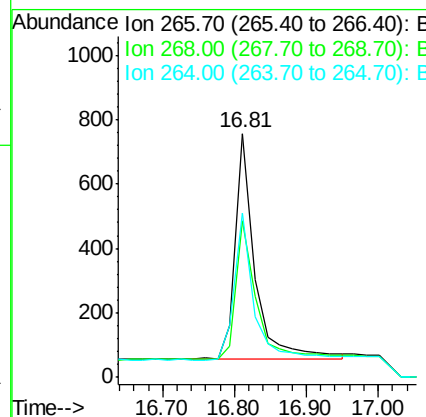
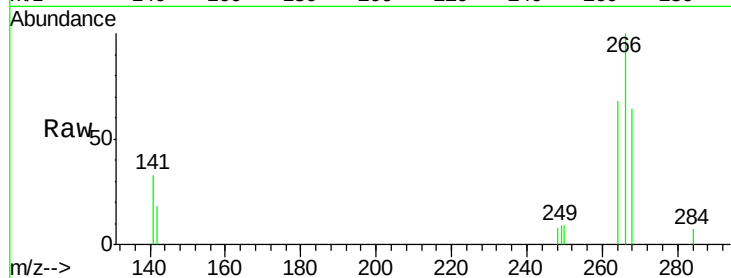
#18
 Pentachlorophenol
 Concen: 0.49 ng
 RT: 16.81 min Scan# 994
 Delta R.T. -0.02 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Instrument :
 BNA_E
 ClientSampleId :
 SB-4

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.0	48.2	72.2
264	67.6	52.1	78.1

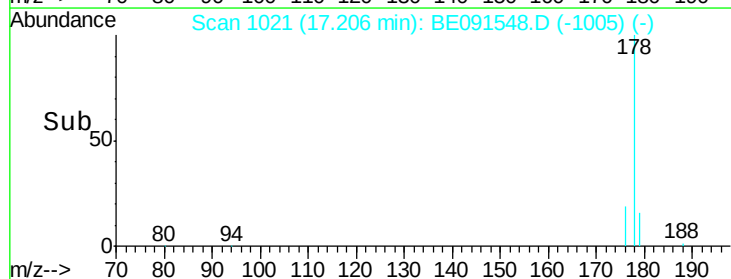
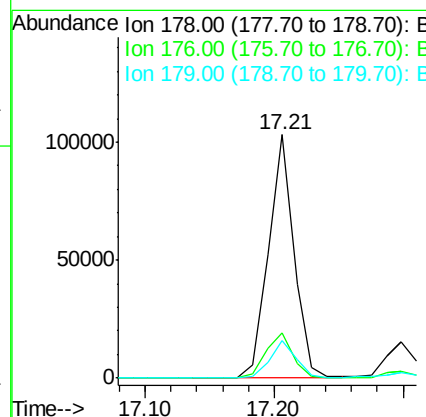
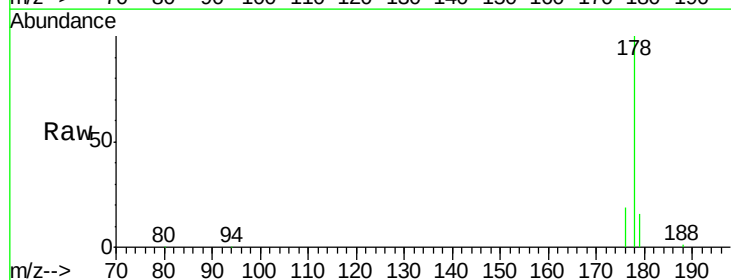
Manual Integrations
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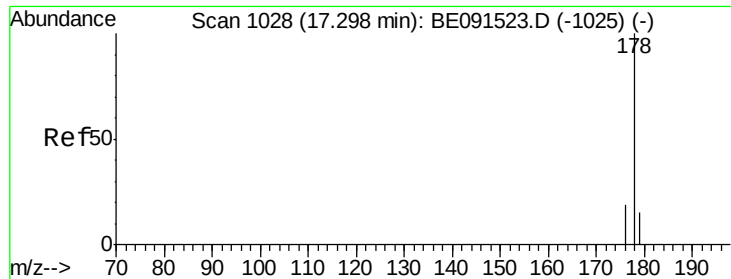
Sohil
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#19
 Phenanthrene
 Concen: 1.89 ng
 RT: 17.21 min Scan# 1021
 Delta R.T. -0.00 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.6	13.1	19.7





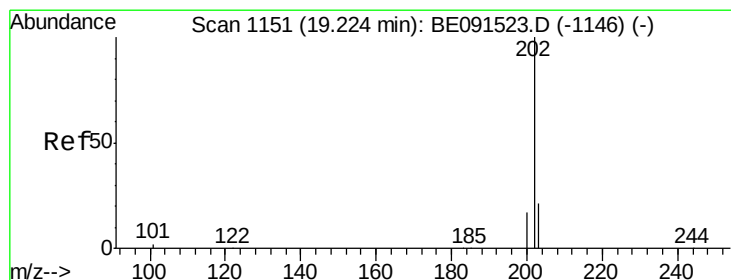
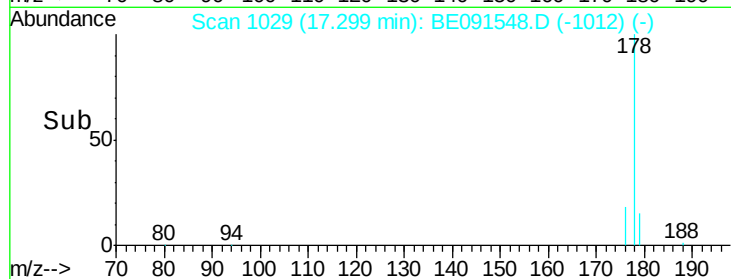
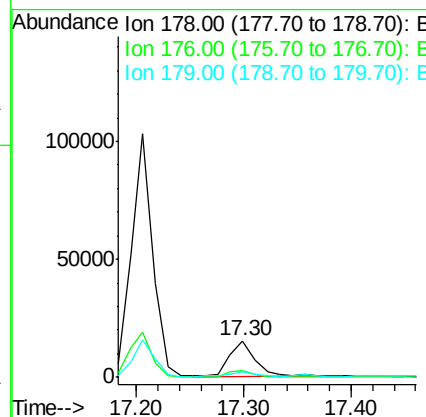
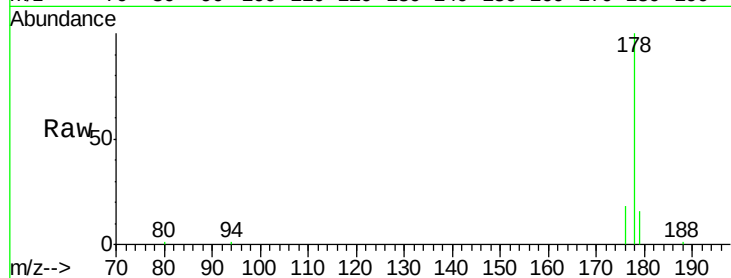
#20
 Anthracene
 Concen: 0.41 ng
 RT: 17.30 min Scan# 1029
 Delta R.T. -0.00 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Instrument :
 BNA_E
 ClientSampled :
 SB-4

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	13.4	12.2	18.4

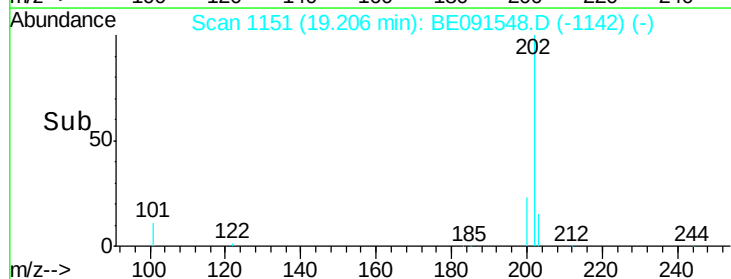
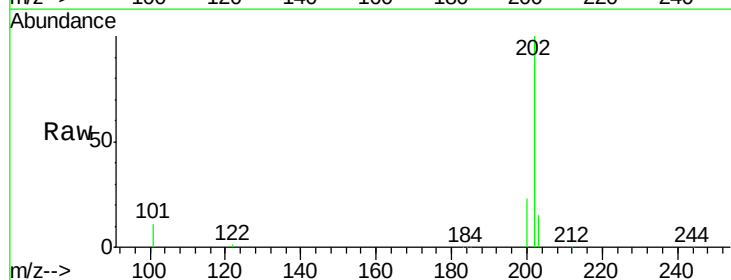
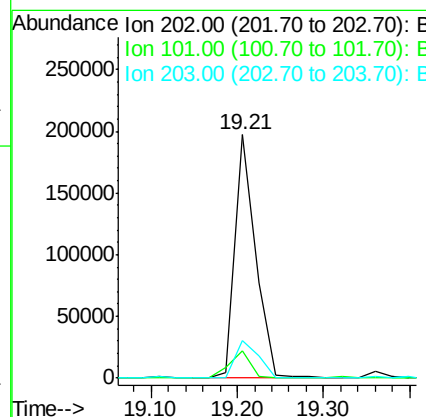
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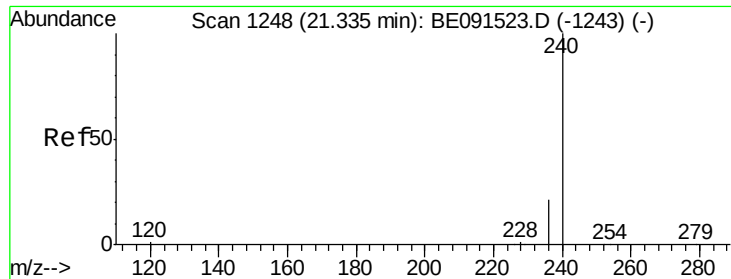
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#21
 Fluoranthene
 Concen: 4.60 ng
 RT: 19.21 min Scan# 1151
 Delta R.T. -0.02 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.3	12.5
203	17.2	13.9	20.9





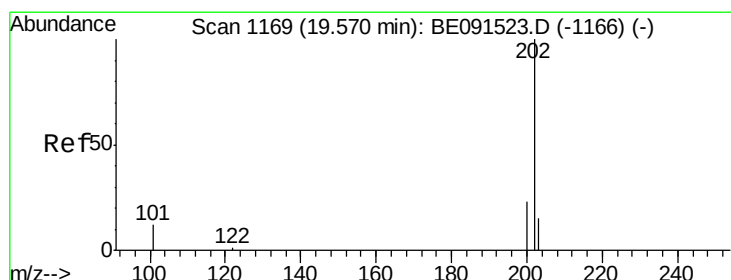
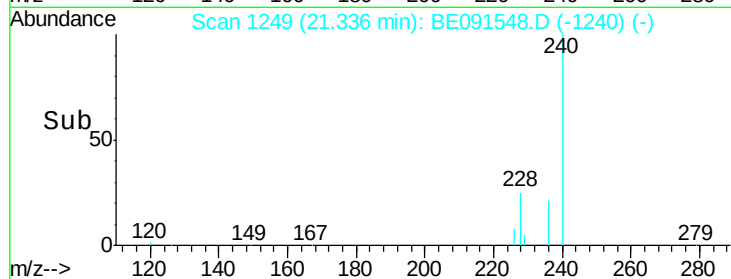
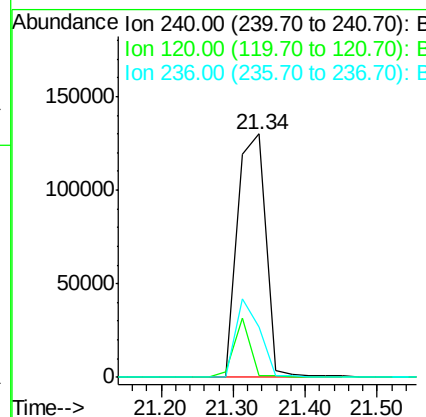
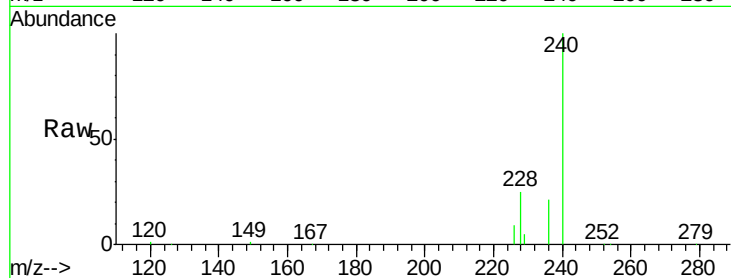
#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.34 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Instrument :
 BNA_E
 ClientSampleId :
 SB-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	0.8	4.0	6.0#
236	20.7	23.0	34.4#

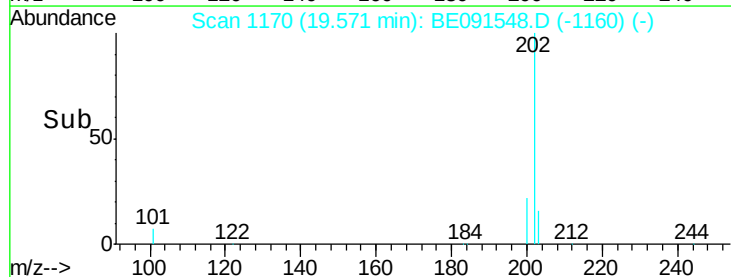
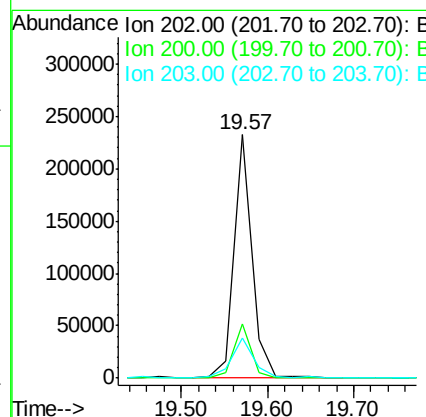
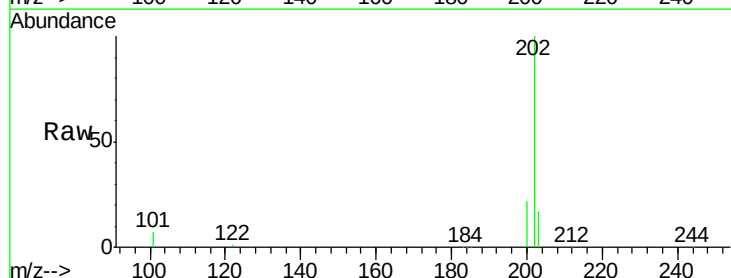
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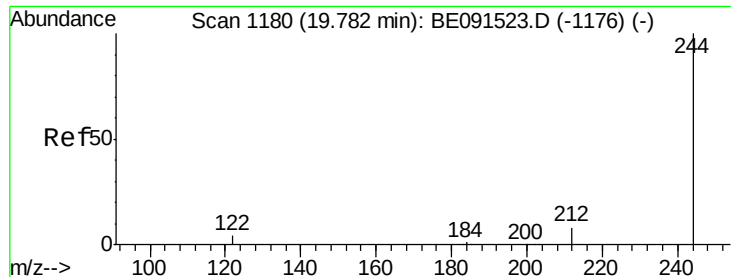
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#23
 Pyrene
 Concen: 3.99 ng
 RT: 19.57 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.9	16.4	24.6
203	20.8	14.6	21.8





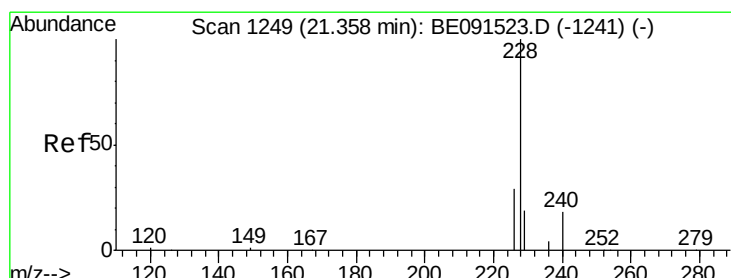
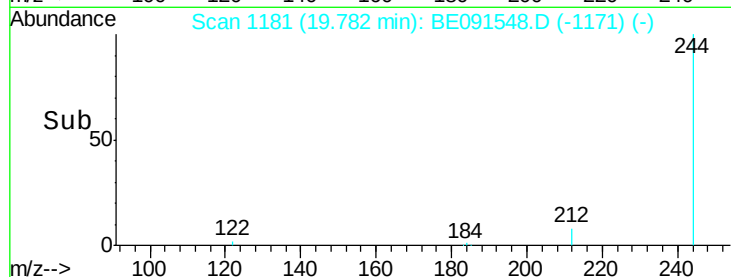
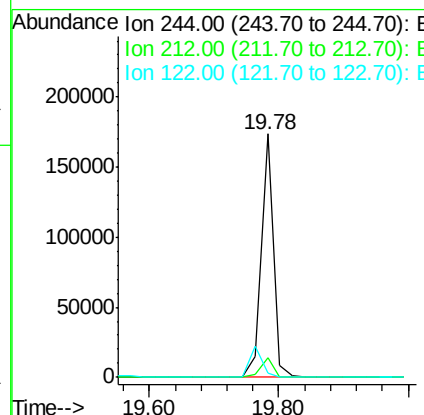
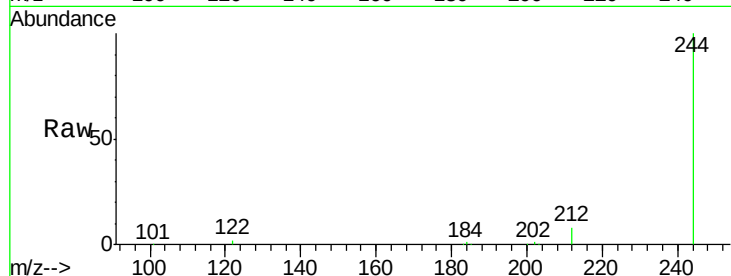
#24
 Terphenyl-d14
 Concen: 3.92 ng
 RT: 19.78 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Instrument :
 BNA_E
 ClientSampleId :
 SB-4

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	7.8	5.8	8.8
122	1.7	1.8	2.8#

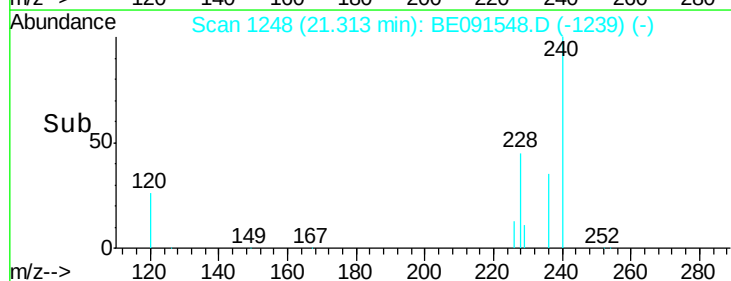
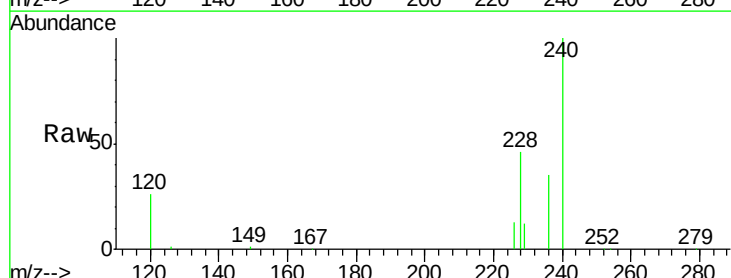
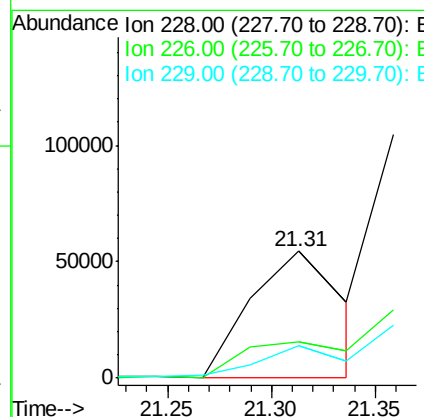
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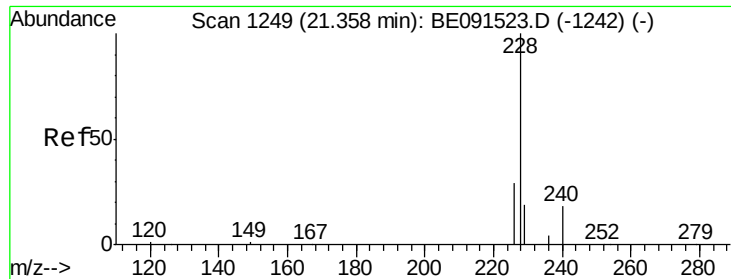
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#25
 Benzo(a)anthracene
 Concen: 2.05 ng m
 RT: 21.31 min Scan# 1248
 Delta R.T. 0.00 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	28.9	24.0	36.0
229	25.6	13.8	20.6#





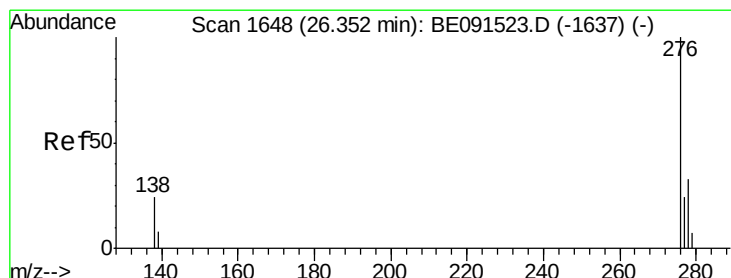
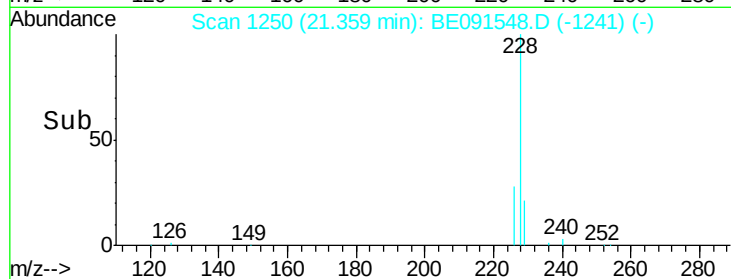
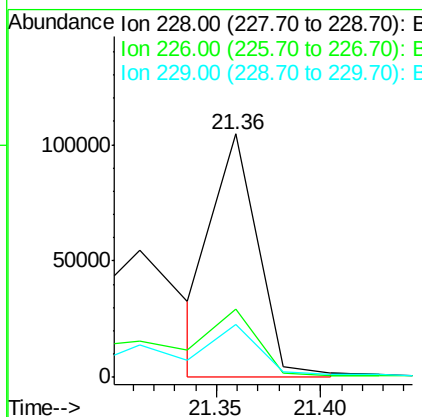
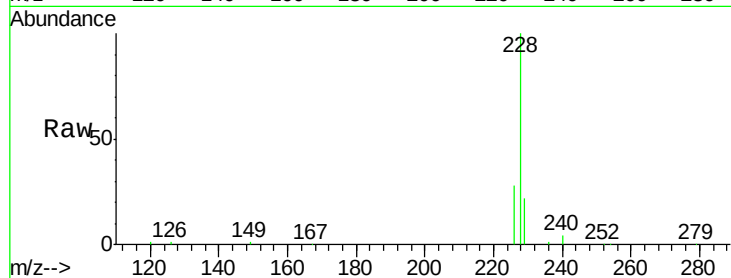
#26
Chrysene
Concen: 1.43 ng m
RT: 21.36 min Scan# 1250
Delta R.T. 0.00 min
Lab File: BE091548.D
Acq: 28 Mar 2016 21:38

Instrument :
BNA_E
ClientSampled :
SB-4

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	18.9	28.3
229	21.7	19.1	28.7

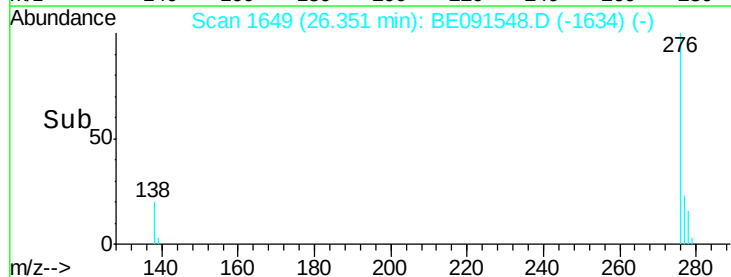
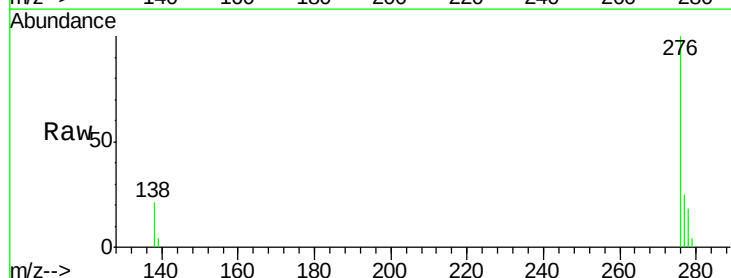
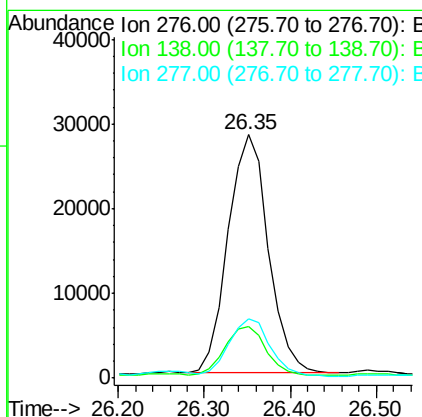
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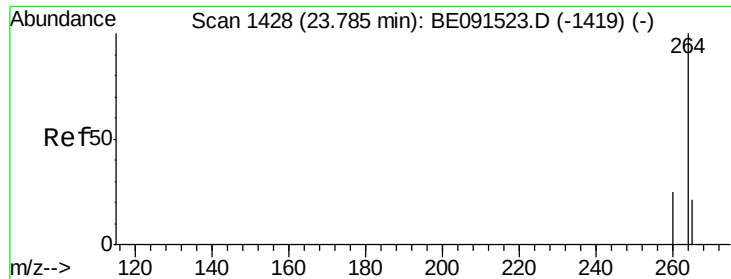
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#27
Indeno(1,2,3-cd)pyrene
Concen: 1.10 ng
RT: 26.35 min Scan# 1649
Delta R.T. -0.02 min
Lab File: BE091548.D
Acq: 28 Mar 2016 21:38

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	20.2	30.4
277	24.2	19.8	29.8





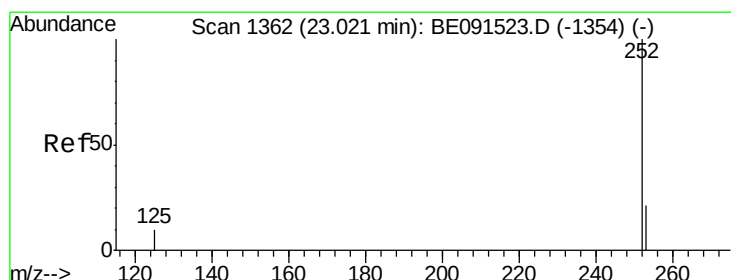
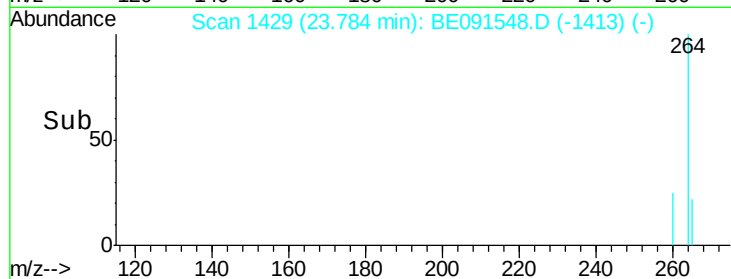
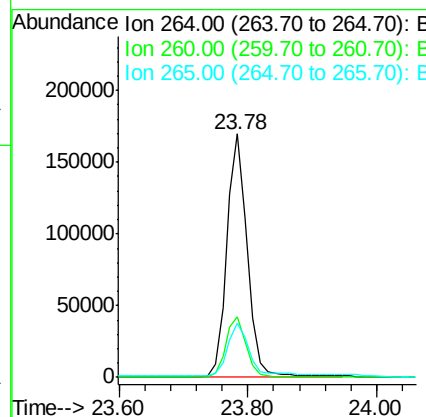
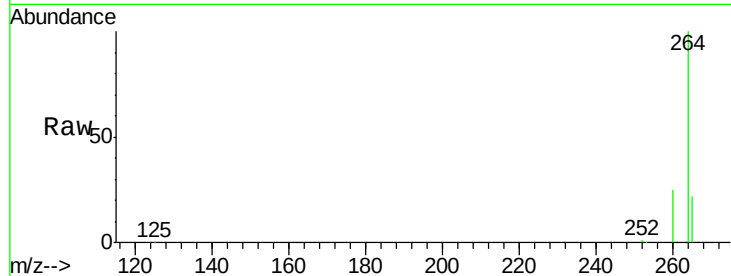
#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.78 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

Instrument :
 BNA_E
 ClientSampleId :
 SB-4

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.1	30.1
265	22.4	18.3	27.5

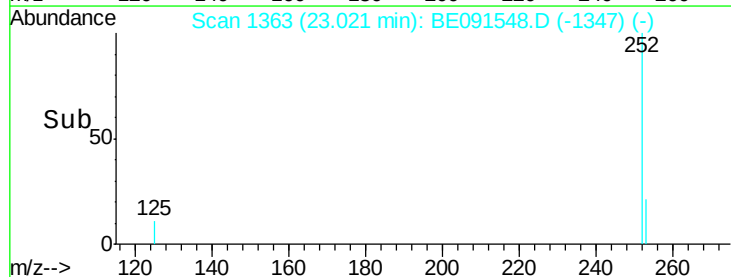
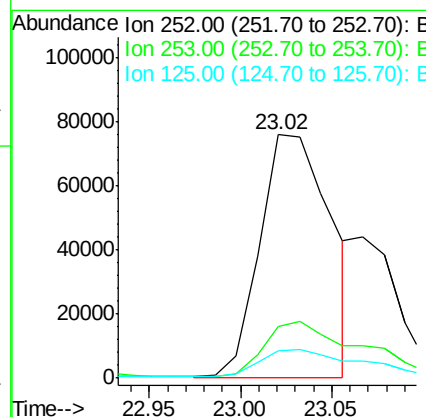
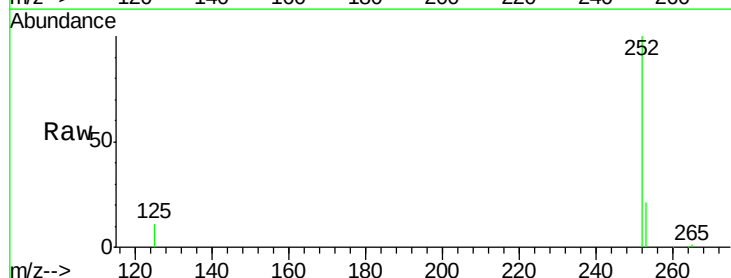
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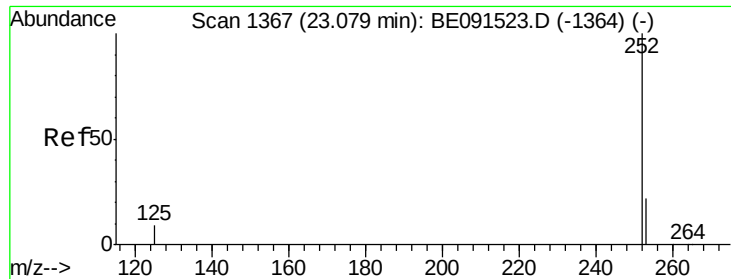
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#29
 Benzo(b)fluoranthene
 Concen: 2.51 ng m
 RT: 23.02 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: BE091548.D
 Acq: 28 Mar 2016 21:38

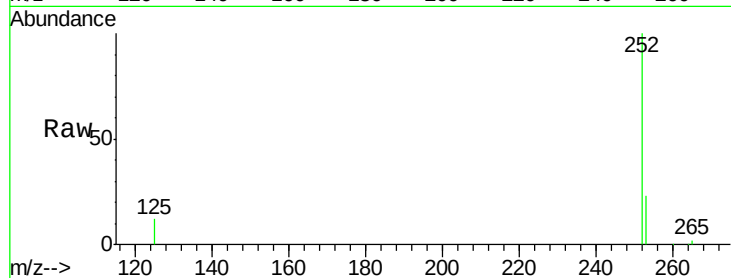
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	18.7	28.1
125	11.4	9.8	14.6





#30
Benzo(k)fluoranthene
Concen: 0.96 ng m
RT: 23.07 min Scan# 1367
Delta R.T. -0.01 min
Lab File: BE091548.D
Acq: 28 Mar 2016 21:38

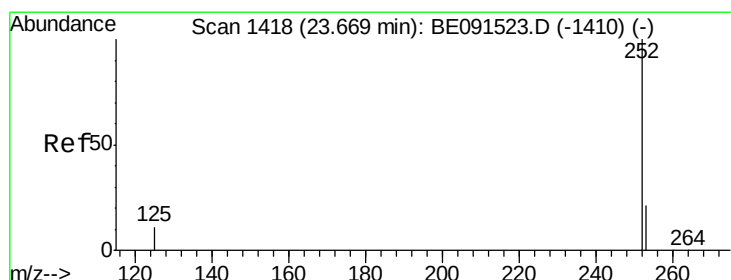
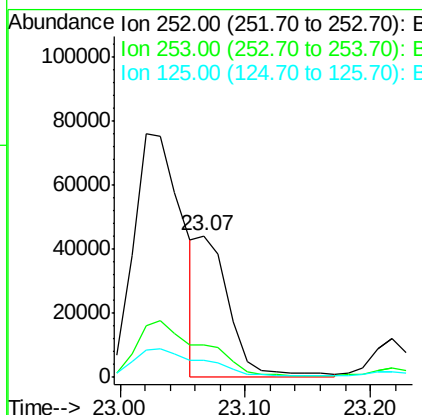
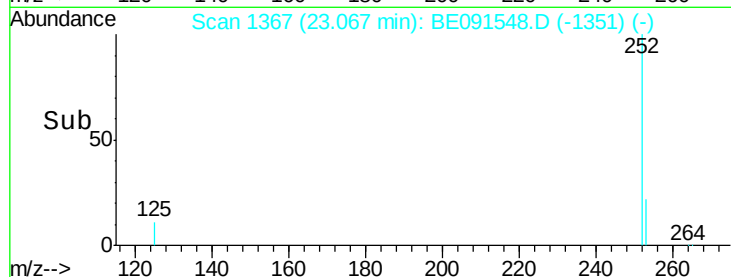
Instrument :
BNA_E
ClientSampled :
SB-4



Tgt Ion: 252 Resp: 78933
Ion Ratio Lower Upper
252 100
253 22.8 20.2 30.4
125 11.7 9.4 14.2

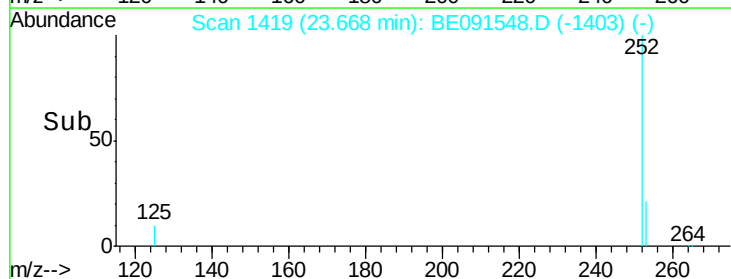
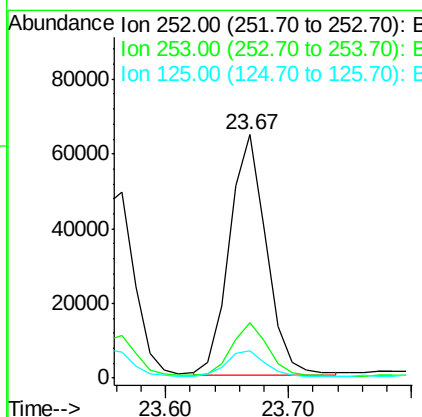
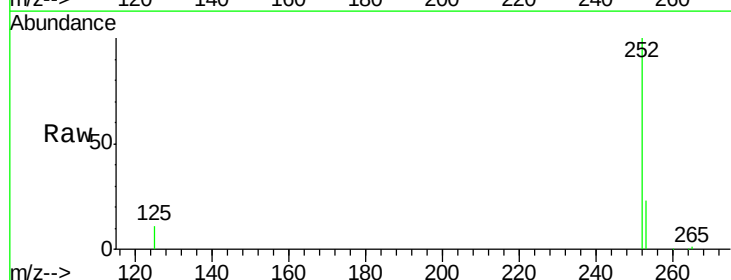
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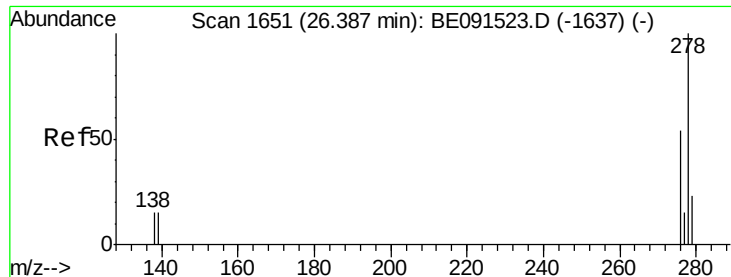
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#31
Benzo(a)pyrene
Concen: 1.79 ng m
RT: 23.67 min Scan# 1419
Delta R.T. -0.01 min
Lab File: BE091548.D
Acq: 28 Mar 2016 21:38

Tgt Ion: 252 Resp: 136837
Ion Ratio Lower Upper
252 100
253 22.5 19.4 29.0
125 11.1 11.4 17.2#





#32

Dibenzo(a,h)anthracene

Concen: 0.30 ng

RT: 26.36 min Scan# 1650

Delta R.T. -0.03 min

Lab File: BE091548.D

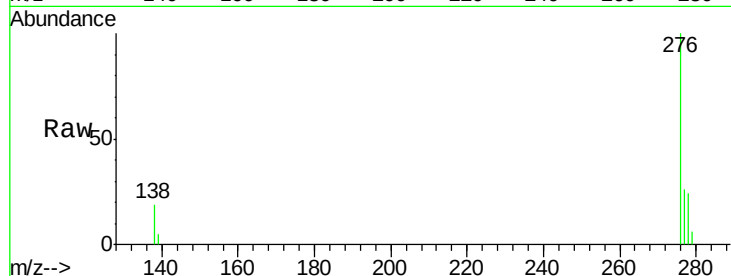
Acq: 28 Mar 2016 21:38

Instrument :

BNA_E

ClientSampleId :

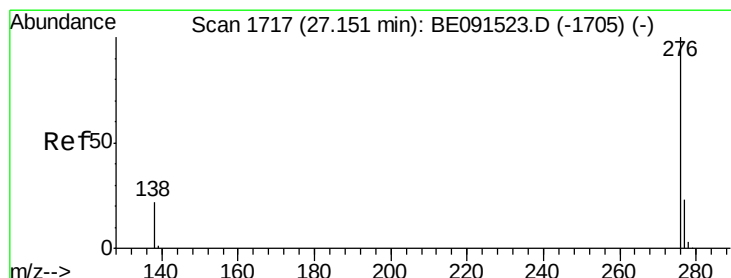
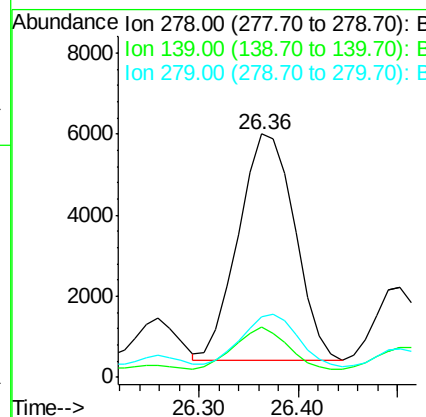
SB-4



Tgt Ion:	278	Resp:	21840
Ion Ratio	Lower	Upper	
278	100		
139	20.7	14.2	21.4
279	24.8	19.6	29.4

Manual Integrations
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#33

Benzo(g,h,i)perylene

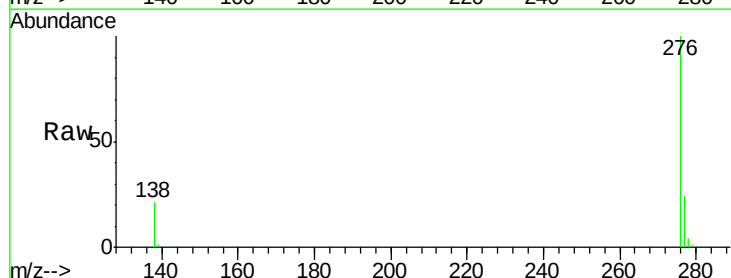
Concen: 1.26 ng

RT: 27.15 min Scan# 1718

Delta R.T. -0.01 min

Lab File: BE091548.D

Acq: 28 Mar 2016 21:38



Tgt Ion:	276	Resp:	96126
Ion Ratio	Lower	Upper	
276	100		
277	24.2	19.4	29.2
138	21.0	18.2	27.4

