

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
 Data File : BE097486.D
 Acq On : 18 Mar 2016 15:52
 Operator : UM/SJ
 Sample : MDL-06-W
 Misc : 0.08PPM
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Manual Integrations
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Quant Time: Mar 18 16:29:14 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 14:14:30 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	57550	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	249062	5.00	ng	0.00
10) Acenaphthene-d10	14.45	164	144015	5.00	ng	0.00
16) Phenanthrene-d10	17.17	188	377652	5.00	ng	-0.01
22) Chrysene-d12	21.34	240	488806	5.00	ng	0.00
28) Perylene-d12	23.80	264	435045	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	98884	7.48	ng	0.00
5) Phenol-d6	6.99	99	131049	7.59	ng	0.00
7) Nitrobenzene-d5	8.98	82	44596	3.35	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	35144	6.66	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	159454	4.40	ng	0.00
24) Terphenyl-d14	19.78	244	268389	4.57	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	722	0.10	ng	# 77
3) n-Nitrosodimethylamine	3.69	42	305	0.03	ng	# 3
8) Naphthalene	10.65	128	3506	0.06	ng	# 95
9) 2-Methylnaphthalene	12.27	142	2000	0.05	ng	97
13) Acenaphthylene	14.16	152	2722	0.17	ng	# 87
14) Acenaphthene	14.50	154	2279	0.05	ng	90
15) Fluorene	15.48	166	2893	0.05	ng	99
17) Hexachlorobenzene	16.48	284	936	0.06	ng	98
18) Pentachlorophenol	16.83	266	386	0.25	ng	# 90
19) Phenanthrene	17.22	178	6552	0.06	ng	96
20) Anthracene	17.31	178	4524	0.05	ng	98
21) Fluoranthene	19.23	202	6434	0.05	ng	# 96
23) Pyrene	19.59	202	6893	0.06	ng	97
25) Benzo(a)anthracene	21.31	228	9148m	0.07	ng	
26) Chrysene	21.36	228	12094m	0.09	ng	
27) Indeno(1,2,3-cd)pyrene	26.39	276	6713	0.05	ng	97
29) Benzo(b)fluoranthene	23.03	252	9743	0.07	ng	# 87
30) Benzo(k)fluoranthene	23.09	252	8119	0.06	ng	# 87
31) Benzo(a)pyrene	23.68	252	6133	0.05	ng	# 77
32) Dibenzo(a,h)anthracene	26.42	278	5434	0.05	ng	# 84
33) Benzo(g,h,i)perylene	27.17	276	6271	0.05	ng	93

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

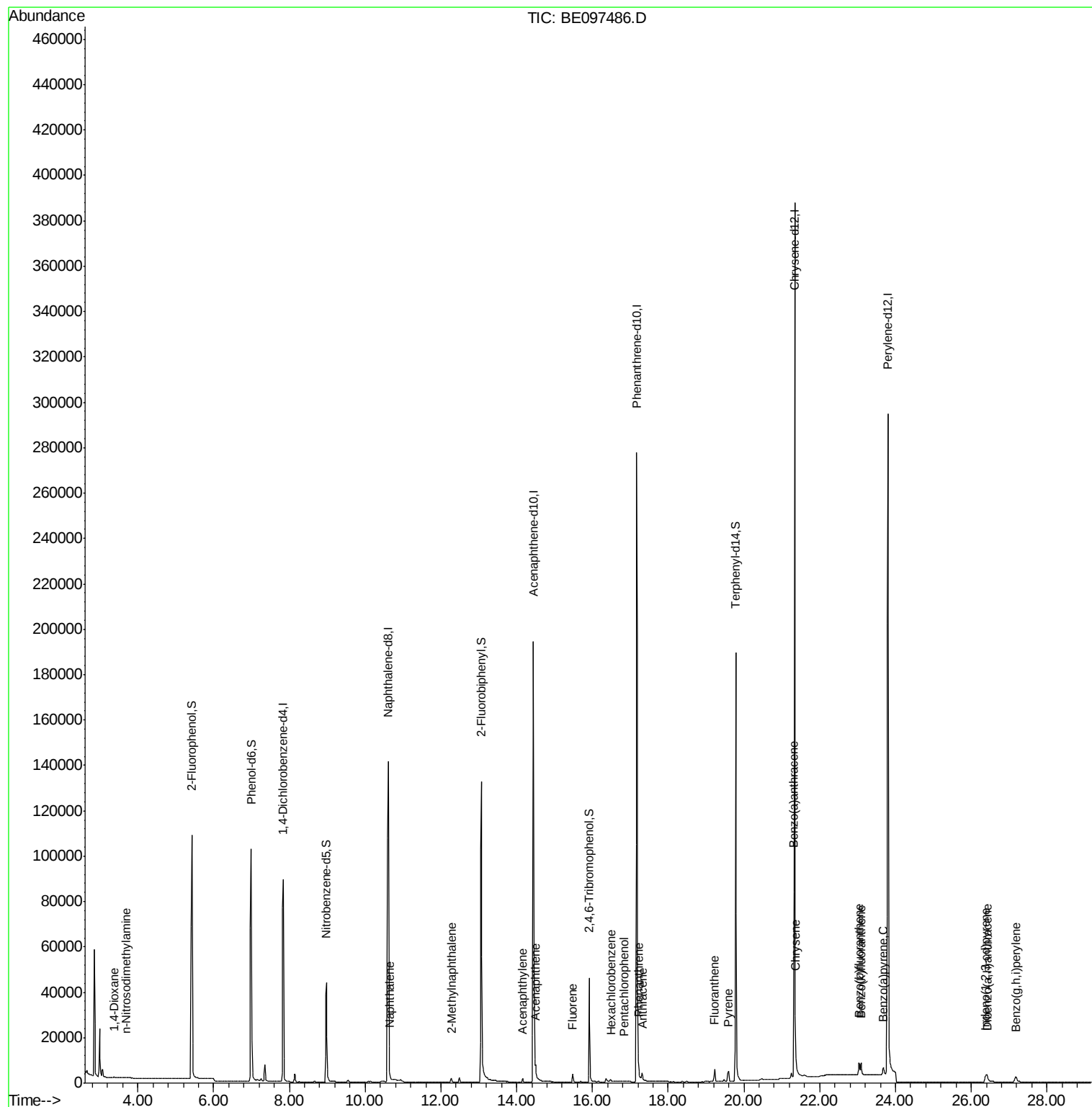
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
Data File : BE097486.D
Acq On : 18 Mar 2016 15:52
Operator : UM/SJ
Sample : MDL-06-W
Misc : 0.08PPM
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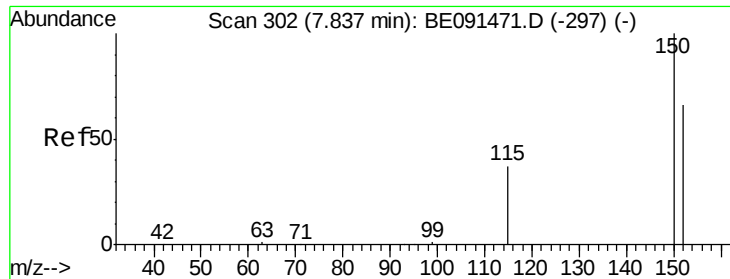
Instrument :
BNA_E
ClientSampleId :

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Quant Time: Mar 18 16:29:14 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 14:14:30 2016
Response via : Initial Calibration

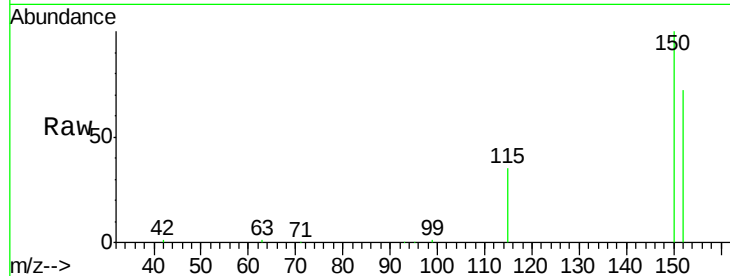




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. -0.00 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

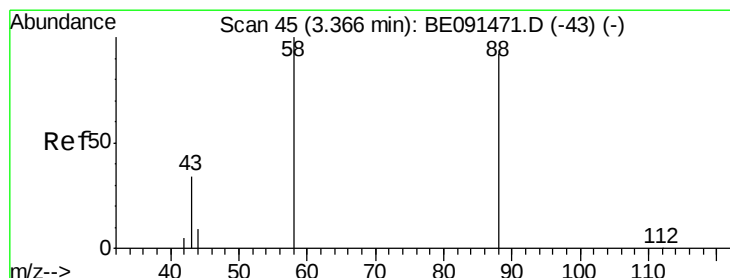
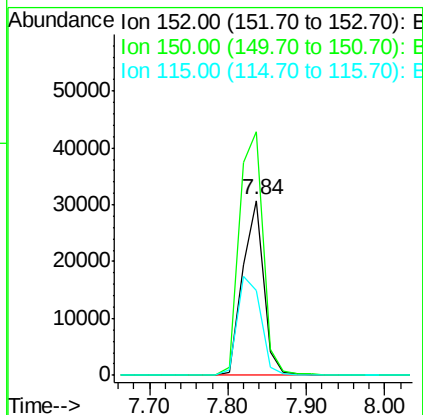
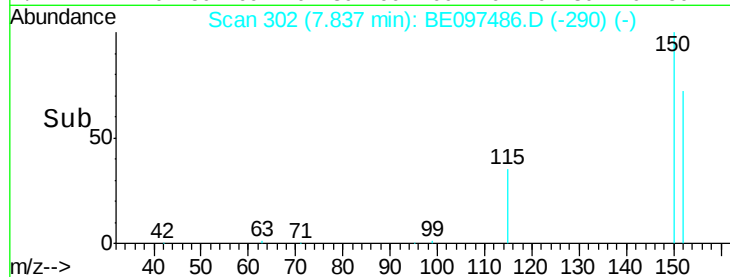
Instrument :
BNA_E
ClientSampled :



Tgt Ion	Ratio	Lower	Upper
152	100		
150	139.2	122.2	183.2
115	48.6	45.9	68.9

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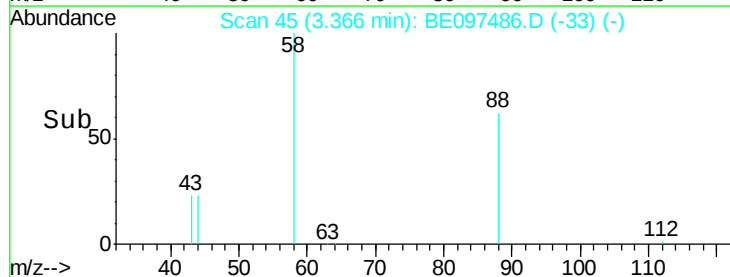
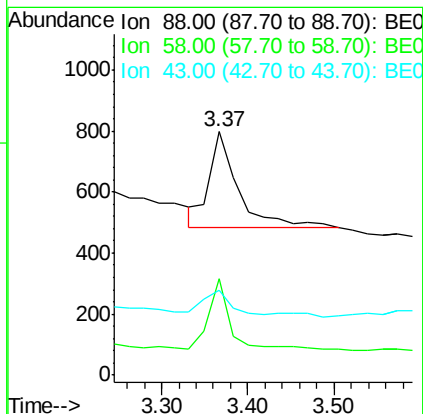
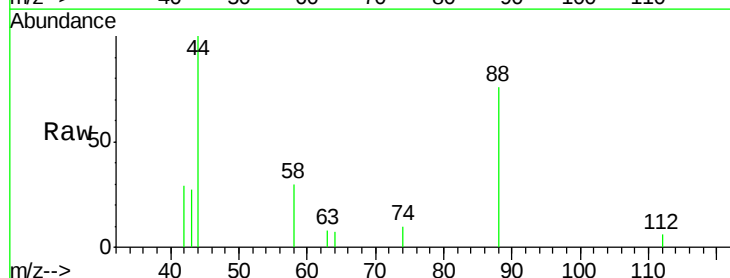
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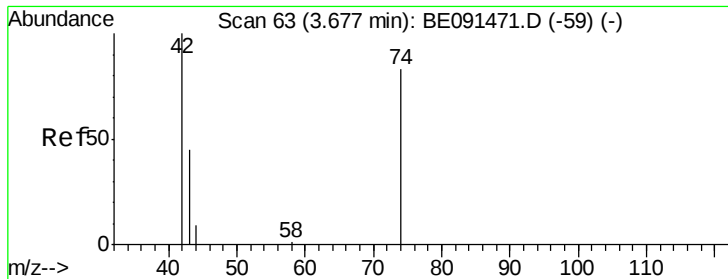


#2

1,4-Dioxane
Concen: 0.10 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	54.6	61.0	91.6#
43	22.2	25.4	38.2#





#3

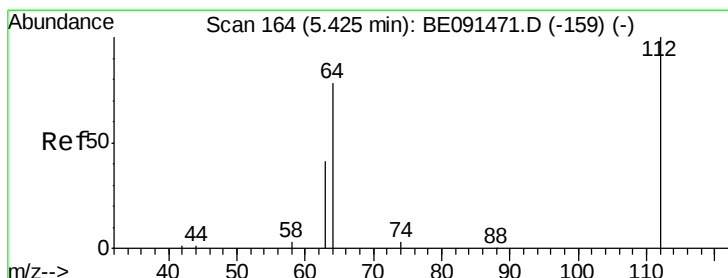
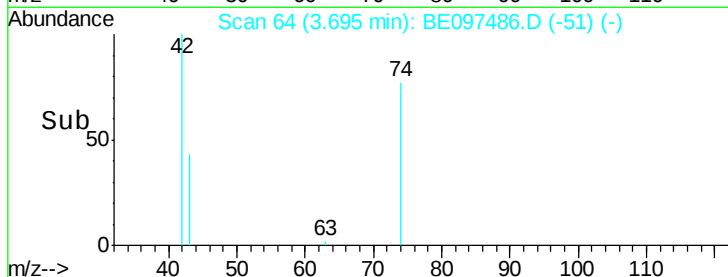
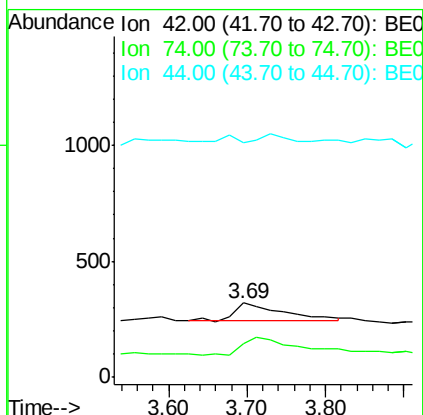
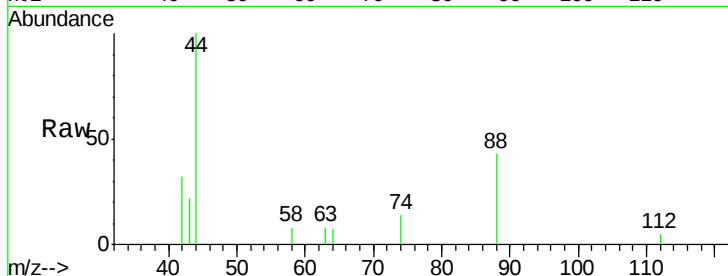
n-Nitrosodimethylamine
Concen: 0.03 ng
RT: 3.69 min Scan# 64
Delta R.T. 0.02 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

Instrument :
BNA_E
ClientSampled :

Tgt Ion: 42 Resp: 305
Ion Ratio Lower Upper
42 100
74 0.0 84.3 126.5#
44 18.0 6.7 10.1#

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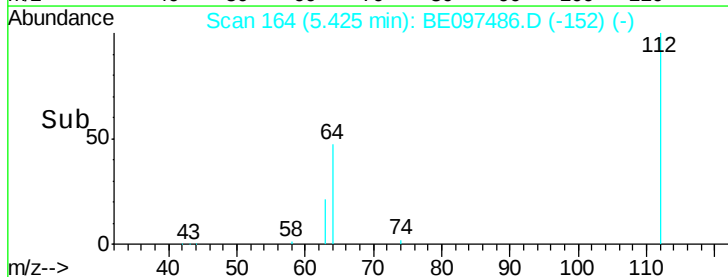
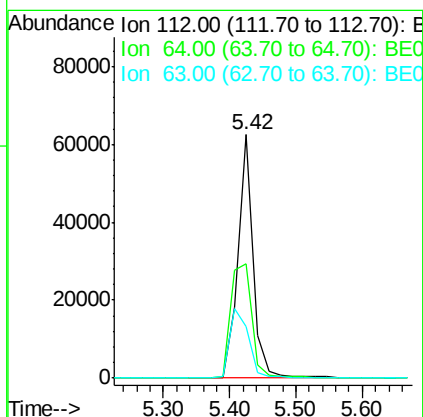
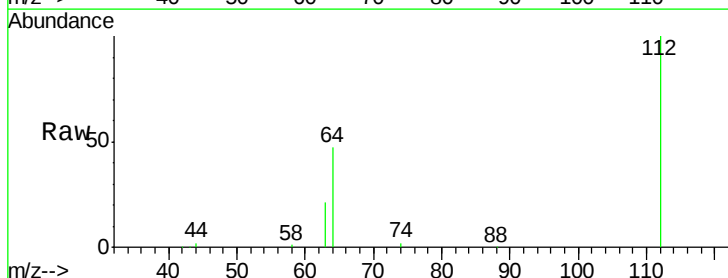
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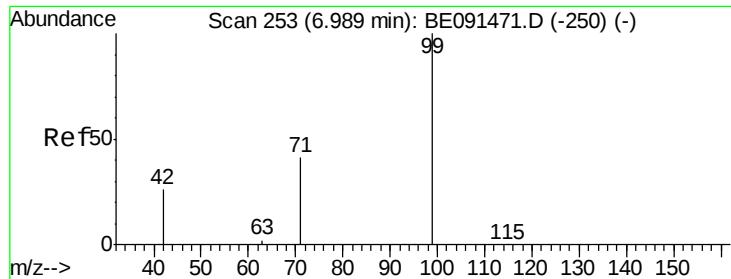


#4

2-Fluorophenol
Concen: 7.48 ng
RT: 5.42 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

Tgt Ion: 112 Resp: 98884
Ion Ratio Lower Upper
112 100
64 66.2 53.3 79.9
63 35.7 29.8 44.8





#5

Phenol-d6

Concen: 7.59 ng

RT: 6.99 min Scan# 253

Delta R.T. -0.00 min

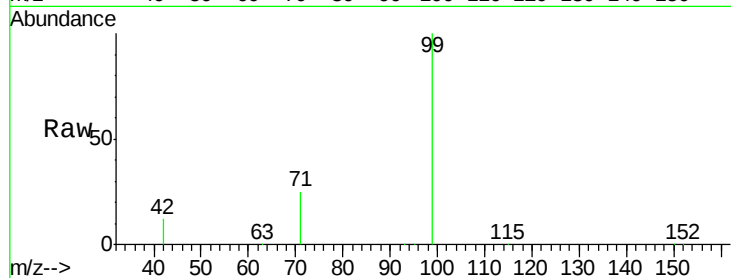
Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Instrument :

BNA_E

ClientSampled :



Tgt Ion: 99 Resp: 131049

Ion Ratio Lower Upper

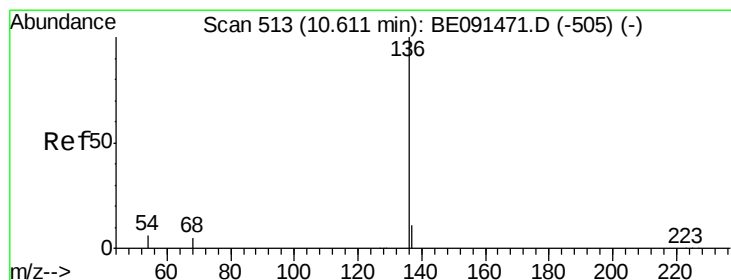
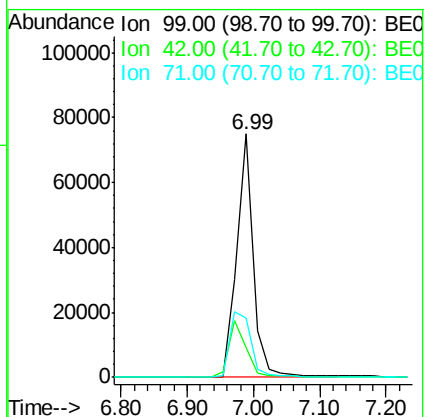
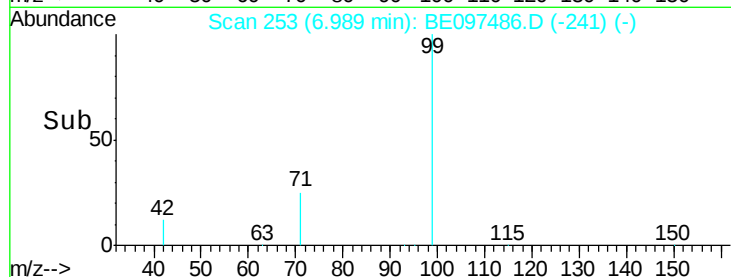
99 100

42 23.8 20.6 30.8

71 34.6 29.0 43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.61 min Scan# 513

Delta R.T. -0.00 min

Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Tgt Ion: 136 Resp: 249062

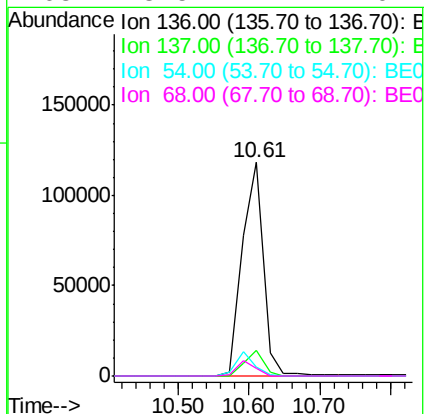
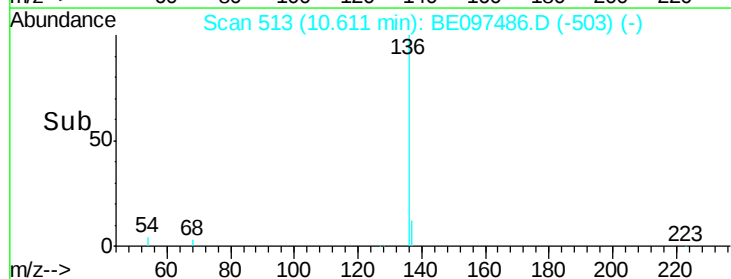
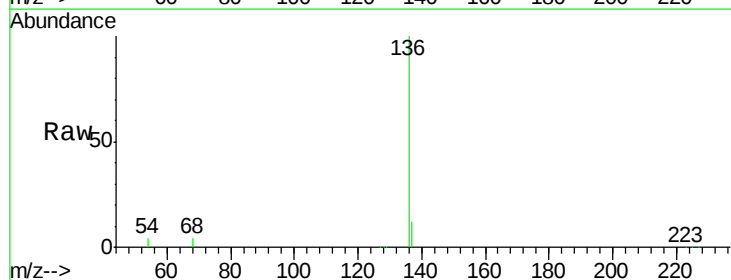
Ion Ratio Lower Upper

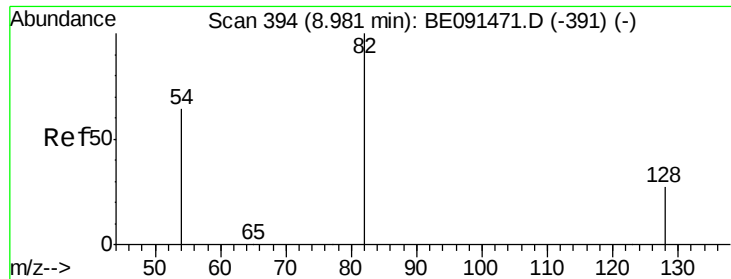
136 100

137 11.9 8.8 13.2

54 4.2 5.2 7.8#

68 3.5 4.1 6.1#





#7

Nitrobenzene-d5

Concen: 3.35 ng

RT: 8.98 min Scan# 394

Delta R.T. 0.00 min

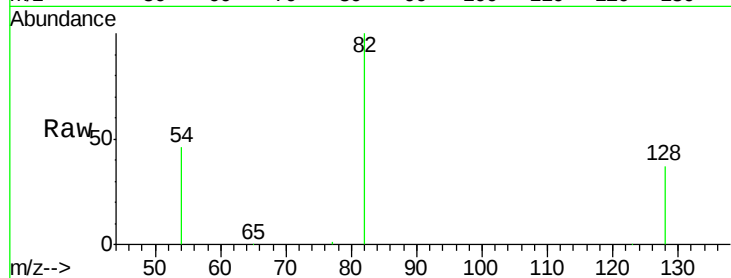
Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 82 Resp: 44596

Ion Ratio Lower Upper

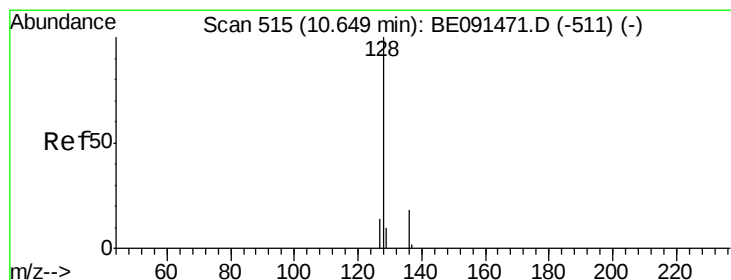
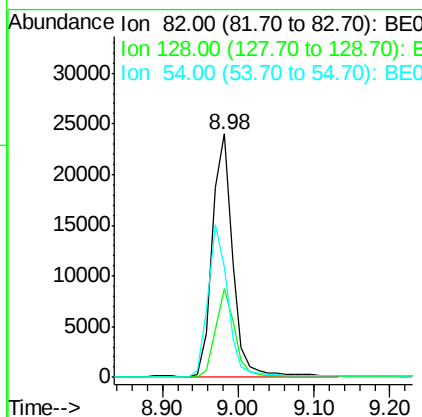
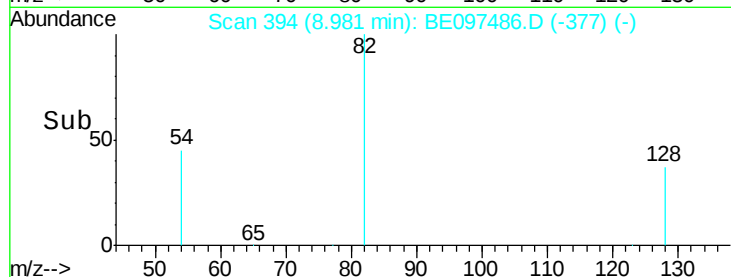
82 100

128 36.7 23.5 35.3#

54 45.6 52.4 78.6#

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#8

Naphthalene

Concen: 0.06 ng

RT: 10.65 min Scan# 515

Delta R.T. -0.00 min

Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

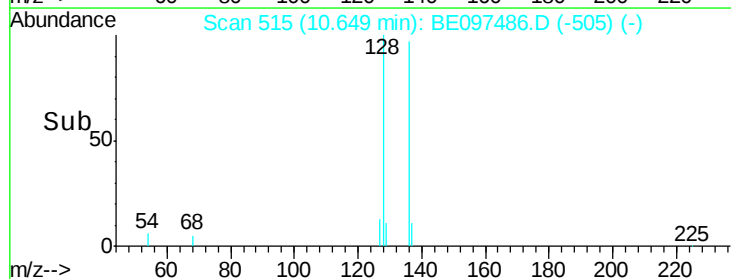
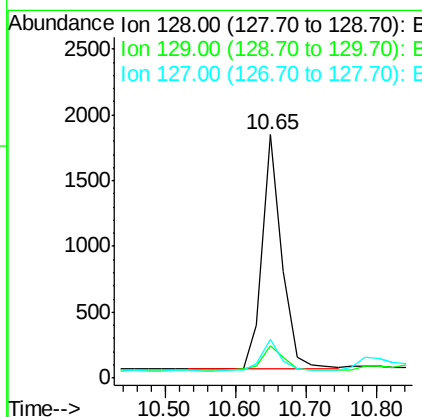
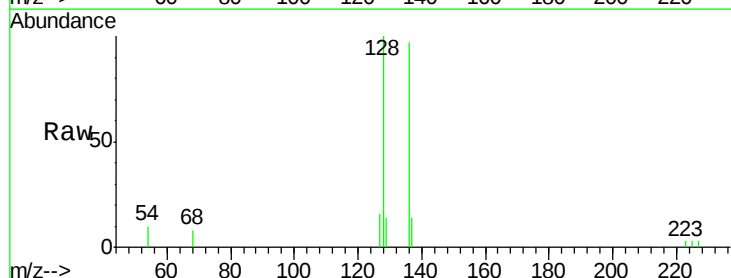
Tgt Ion: 128 Resp: 3506

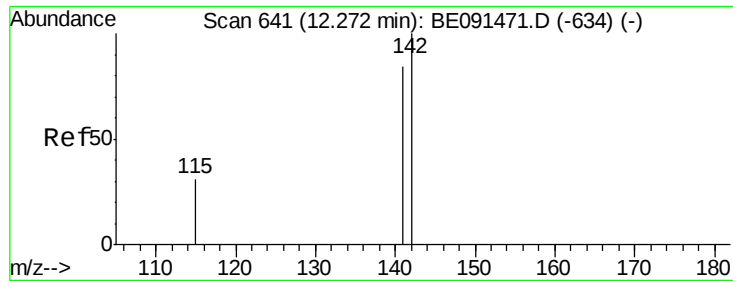
Ion Ratio Lower Upper

128 100

129 13.5 8.2 12.2#

127 15.9 11.8 17.8





#9

2-Methylnaphthalene

Concen: 0.05 ng

RT: 12.27 min Scan# 641

Delta R.T. -0.00 min

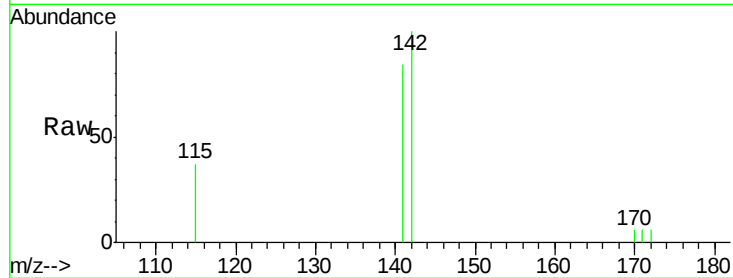
Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Instrument :

BNA_E

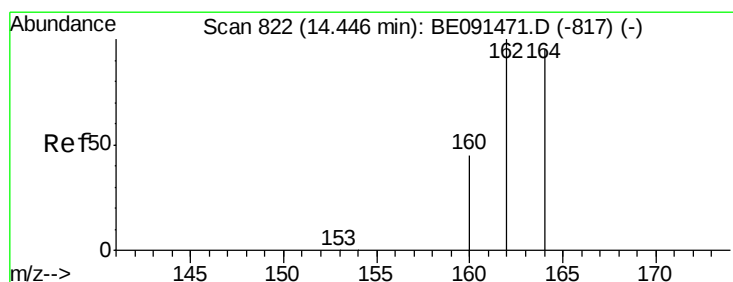
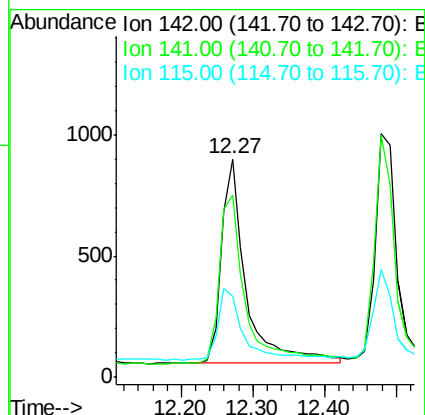
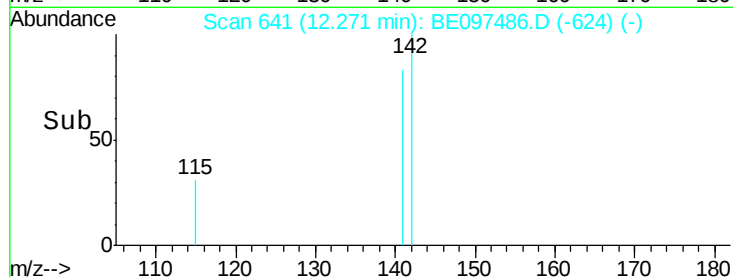
ClientSampled :



Tgt Ion:	142	Resp:	2000
Ion Ratio	Lower	Upper	
142	100		
141	83.6	66.9	100.3
115	37.1	25.1	37.7

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#10

Acenaphthene-d10

Concen: 5.00 ng

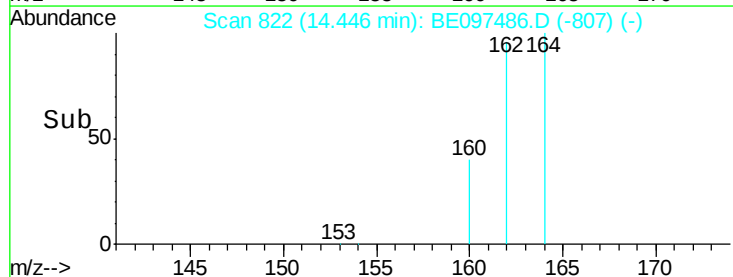
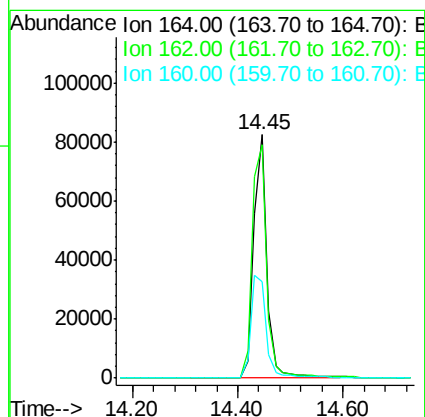
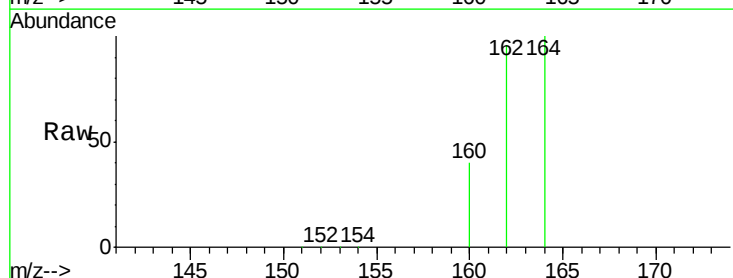
RT: 14.45 min Scan# 822

Delta R.T. 0.00 min

Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

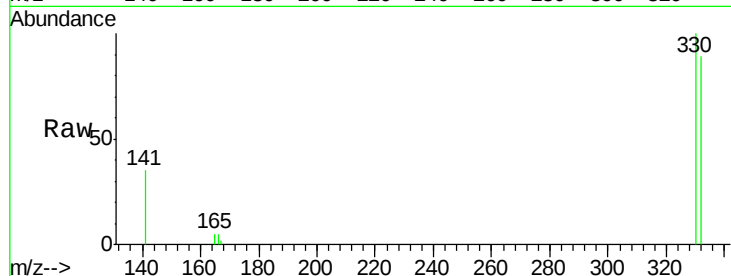
Tgt Ion:	164	Resp:	144015
Ion Ratio	Lower	Upper	
164	100		
162	95.6	84.4	126.6
160	39.8	37.7	56.5





#11
 2,4,6-Tribromophenol
 Concen: 6.66 ng
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

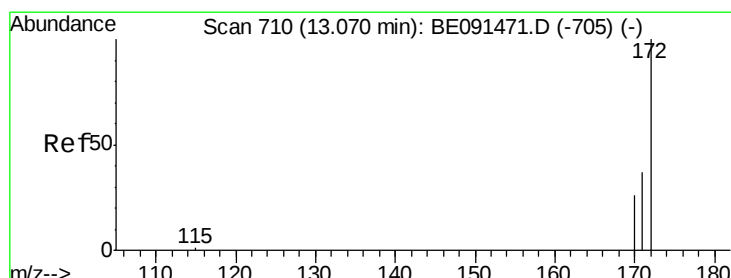
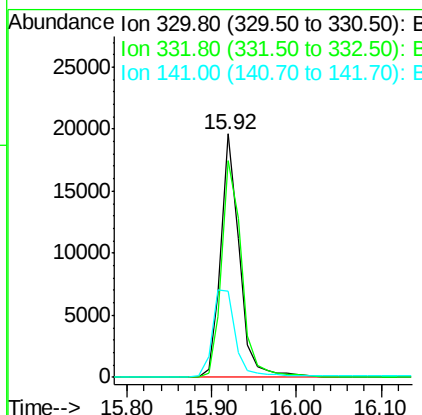
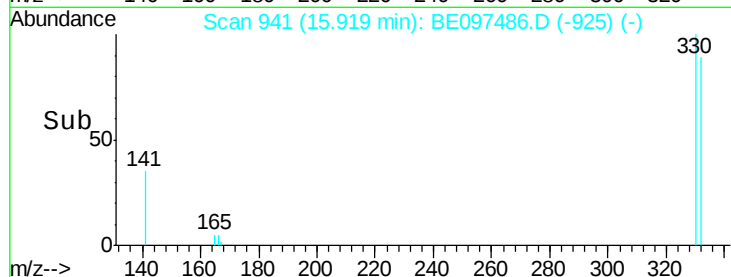
Instrument :
 BNA_E
 ClientSampled :



Tgt Ion:330 Resp: 35144
 Ion Ratio Lower Upper
 330 100
 332 95.5 79.2 118.8
 141 43.6 28.1 42.1#

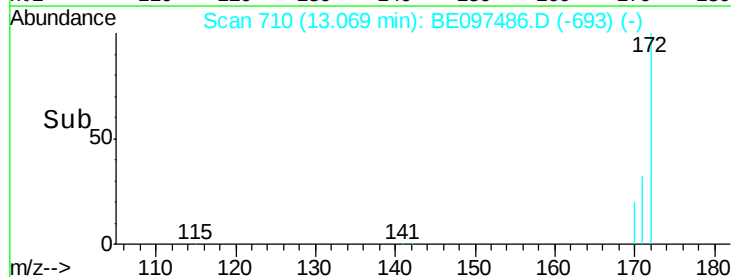
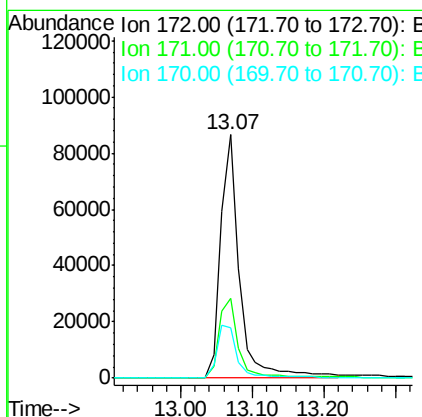
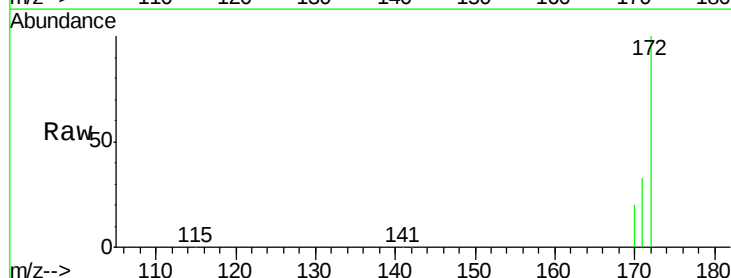
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#12
 2-Fluorobiphenyl
 Concen: 4.40 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

Tgt Ion:172 Resp: 159454
 Ion Ratio Lower Upper
 172 100
 171 32.5 29.8 44.8
 170 20.4 21.4 32.2#





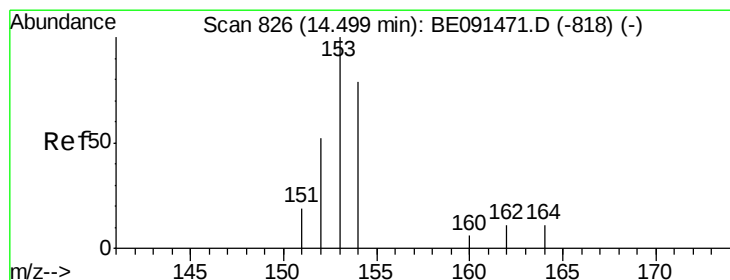
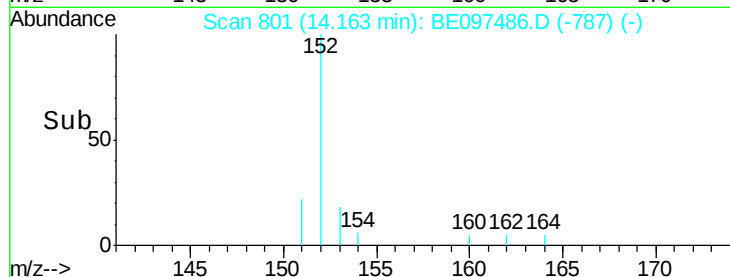
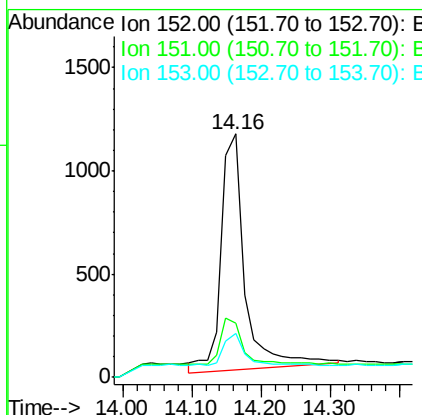
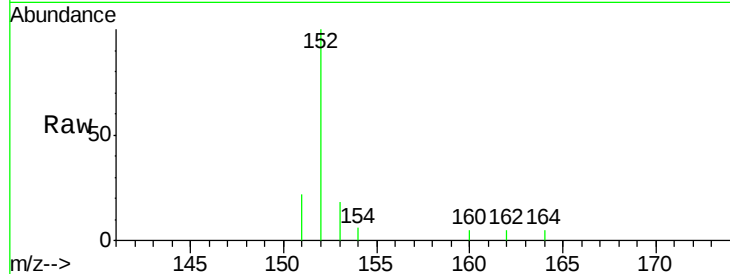
#13
Acenaphthylene
Concen: 0.17 ng
RT: 14.16 min Scan# 801
Delta R.T. 0.00 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
152	100		
151	26.8	16.3	24.5#
153	18.4	11.1	16.7#

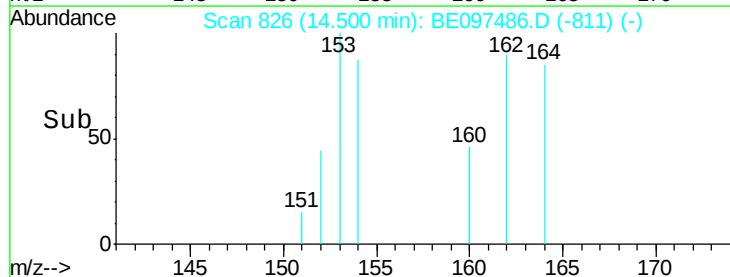
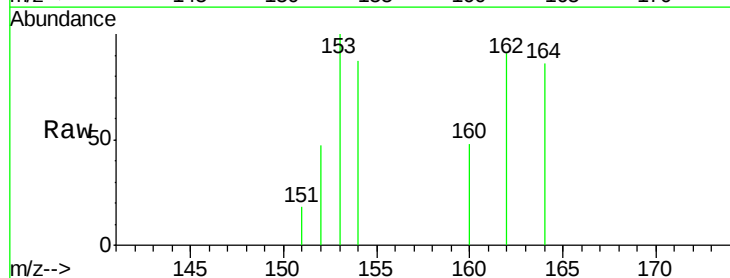
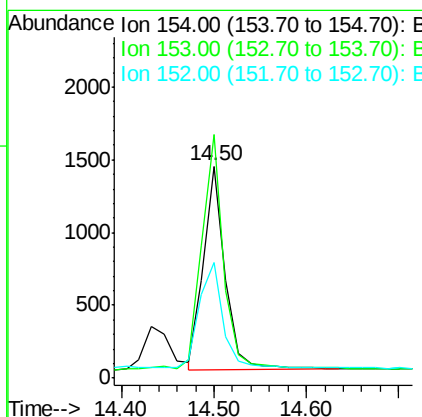
Manual Integrations
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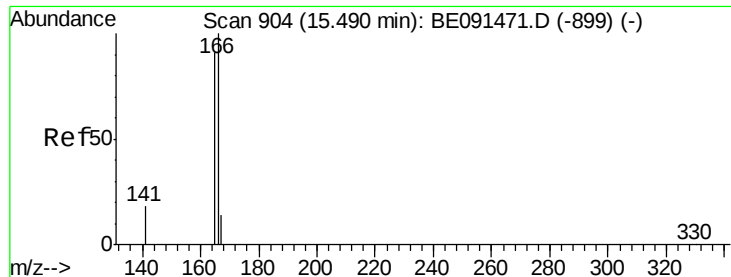
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#14
Acenaphthene
Concen: 0.05 ng
RT: 14.50 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

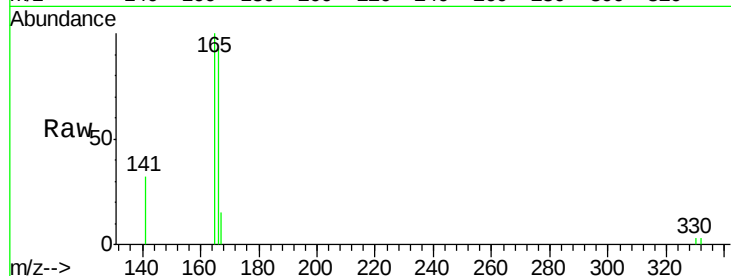
Tgt Ion	Ratio	Lower	Upper
154	100		
153	121.7	87.3	130.9
152	57.3	42.9	64.3





#15
Fluorene
 Concen: 0.05 ng
 RT: 15.48 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

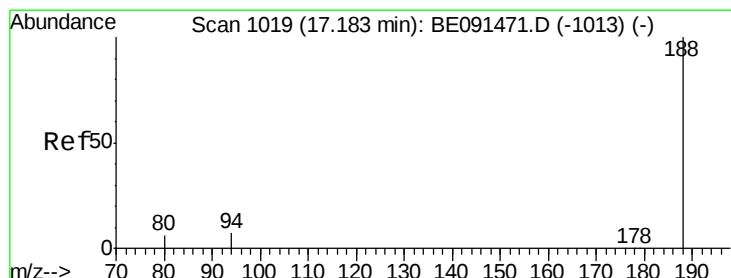
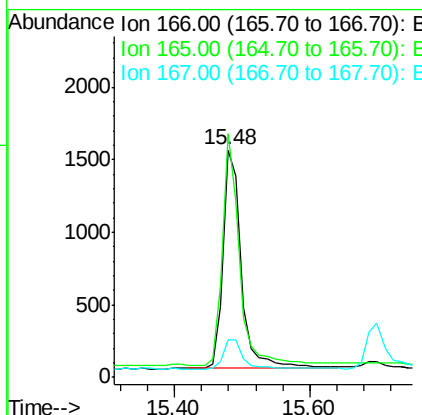
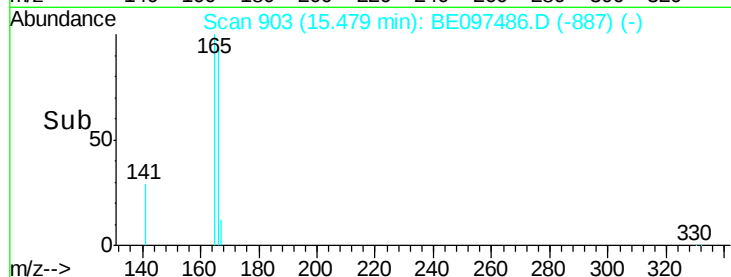
Instrument :
 BNA_E
 ClientSampleId :



Tgt Ion:166 Resp: 2893
 Ion Ratio Lower Upper
 166 100
 165 97.9 79.2 118.8
 167 14.1 10.8 16.2

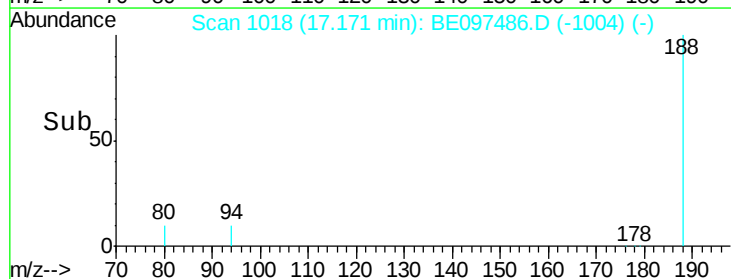
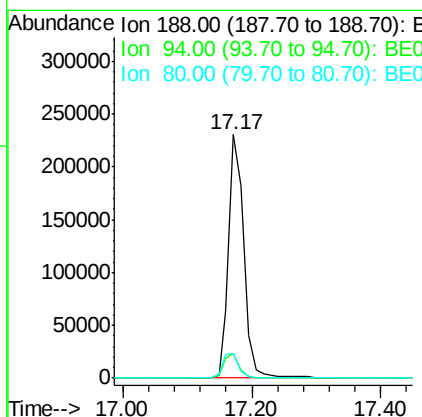
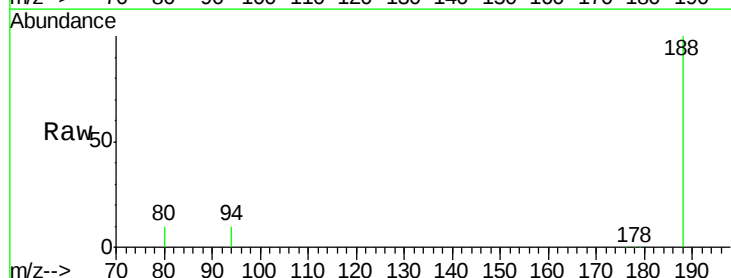
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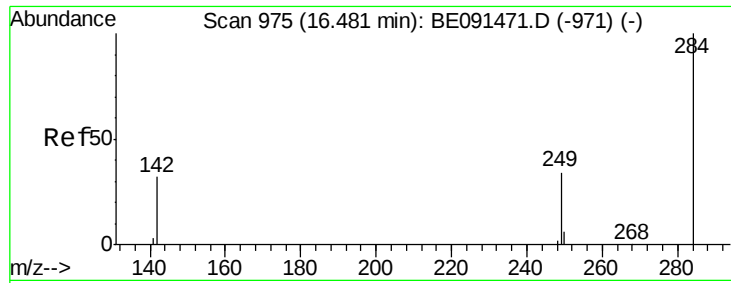
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#16
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.17 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

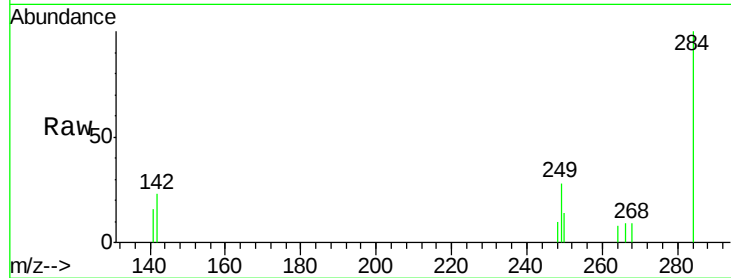
Tgt Ion:188 Resp: 377652
 Ion Ratio Lower Upper
 188 100
 94 10.1 5.4 8.2#
 80 10.1 5.0 7.4#





#17
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

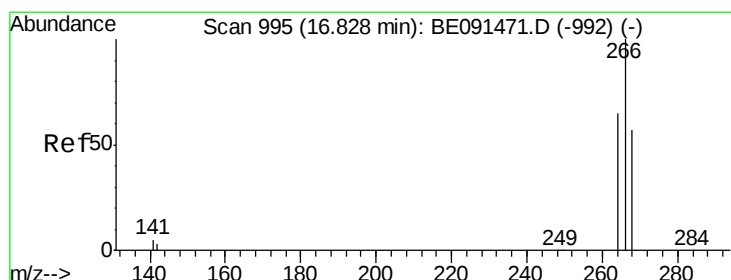
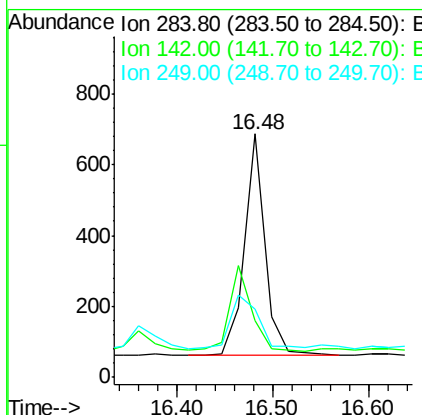
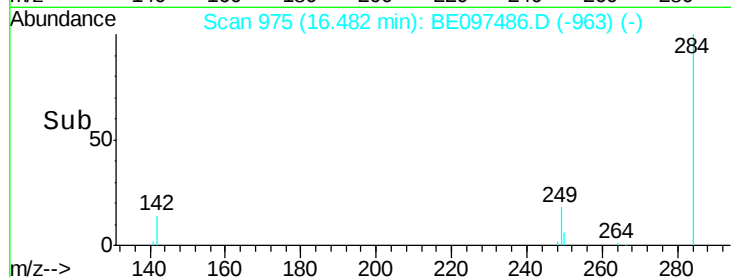
Instrument :
BNA_E
ClientSampleId :



Tgt Ion:284 Resp: 936
Ion Ratio Lower Upper
284 100
142 40.7 31.0 46.4
249 32.1 25.8 38.8

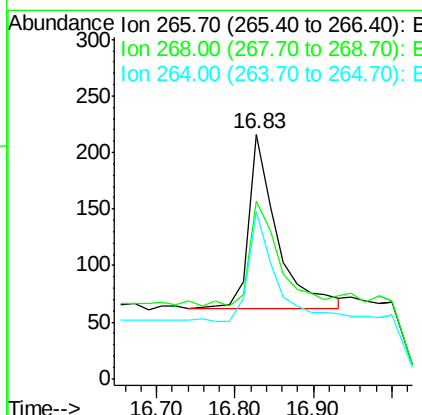
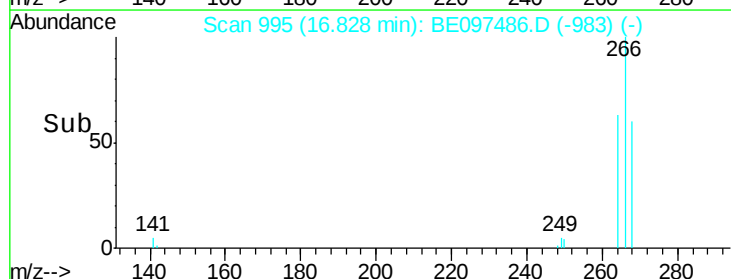
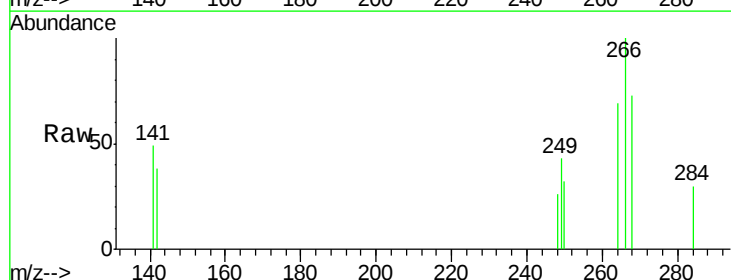
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#18
Pentachlorophenol
Concen: 0.25 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

Tgt Ion:266 Resp: 386
Ion Ratio Lower Upper
266 100
268 72.7 48.2 72.2#
264 68.5 52.1 78.1





#19

Phenanthrene

Concen: 0.06 ng

RT: 17.22 min Scan# 1022

Delta R.T. 0.00 min

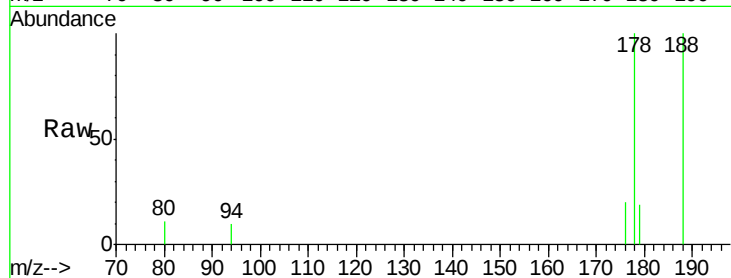
Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Instrument :

BNA_E

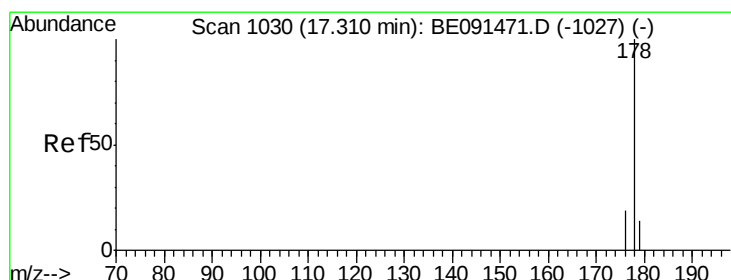
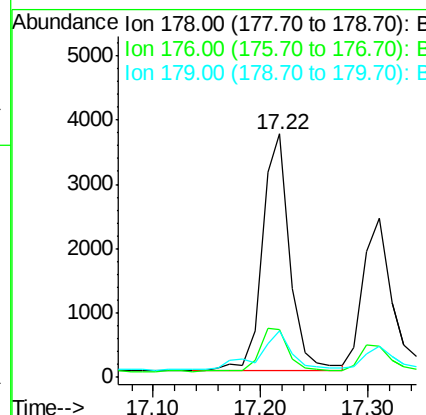
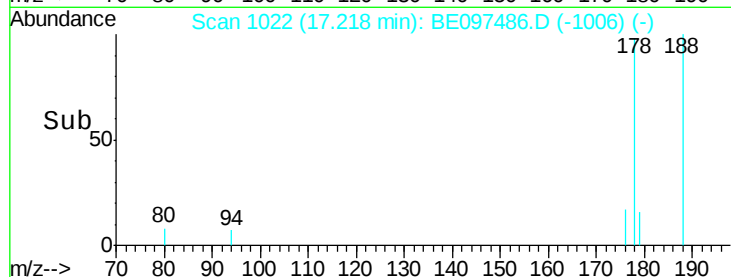
ClientSampleId :



Tgt Ion:	178	Resp:	6552
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.5	23.3
179	19.5	13.1	19.7

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#20

Anthracene

Concen: 0.05 ng

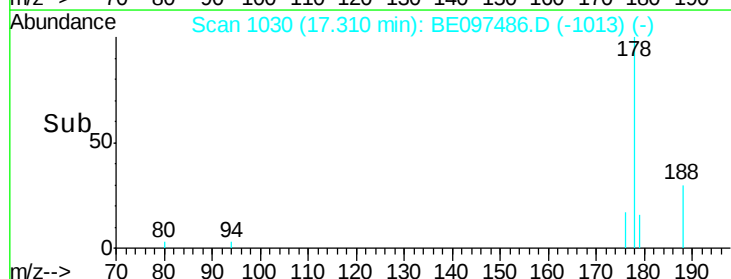
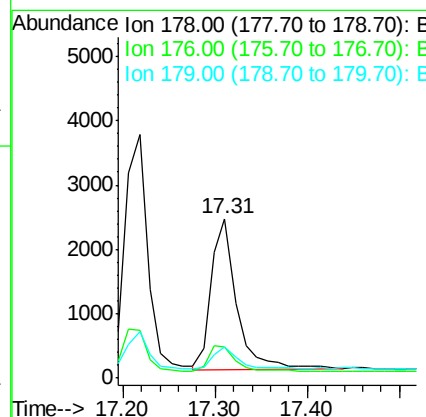
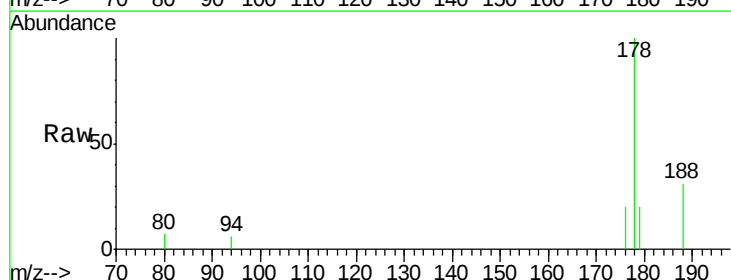
RT: 17.31 min Scan# 1030

Delta R.T. 0.00 min

Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Tgt Ion:	178	Resp:	4524
Ion Ratio	Lower	Upper	
178	100		
176	17.7	14.9	22.3
179	14.7	12.2	18.4





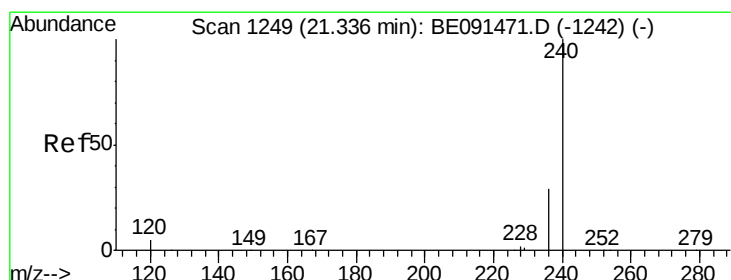
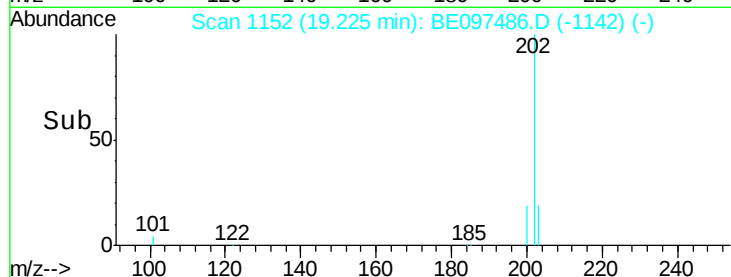
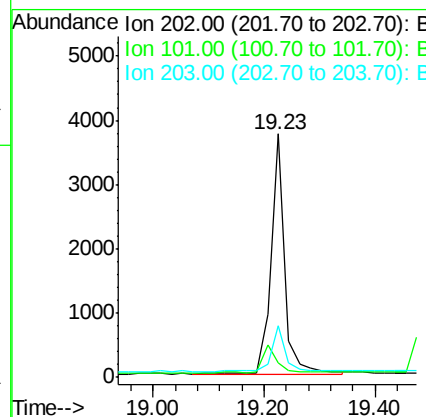
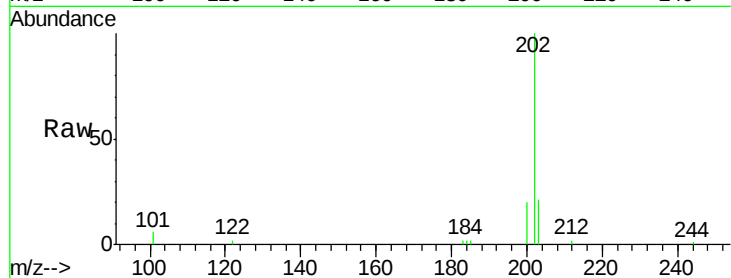
#21
 Fluoranthene
 Concen: 0.05 ng
 RT: 19.23 min Scan# 1152
 Delta R.T. 0.00 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

Instrument :
 BNA_E
 ClientSampleId :

Tgt	Ion	Ratio	Lower	Upper
202	100			
101	12.5	8.3	12.5#	
203	19.0	13.9	20.9	

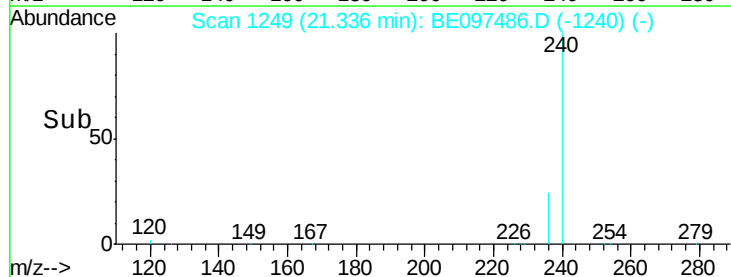
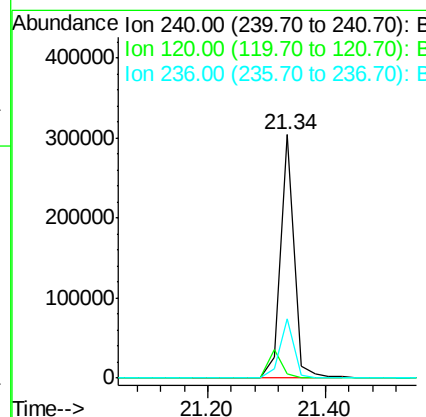
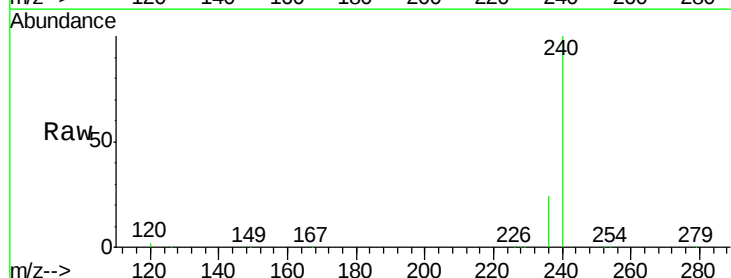
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#22
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.34 min Scan# 1249
 Delta R.T. 0.00 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

Tgt	Ion	Ratio	Lower	Upper
240	100			
120	1.8	4.0	6.0#	
236	24.4	23.0	34.4	





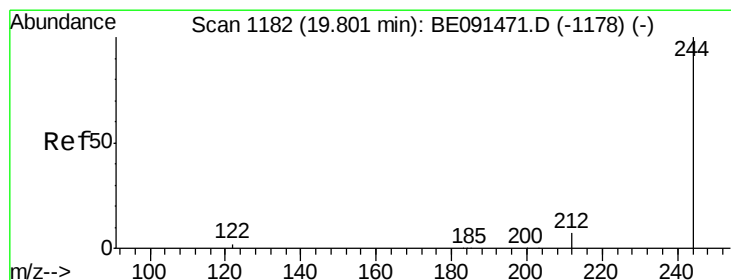
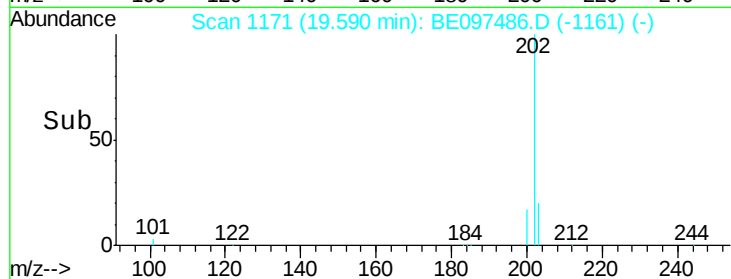
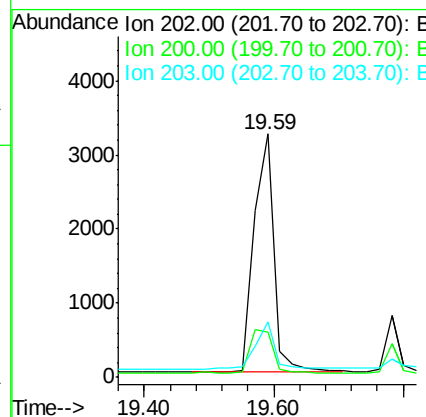
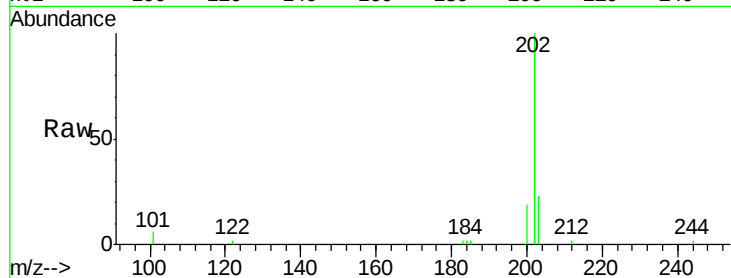
#23
 Pyrene
 Concen: 0.06 ng
 RT: 19.59 min Scan# 1171
 Delta R.T. 0.00 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion:	202	Resp:	6893
Ion Ratio	Lower	Upper	
202	100		
200	21.2	16.4	24.6
203	20.1	14.6	21.8

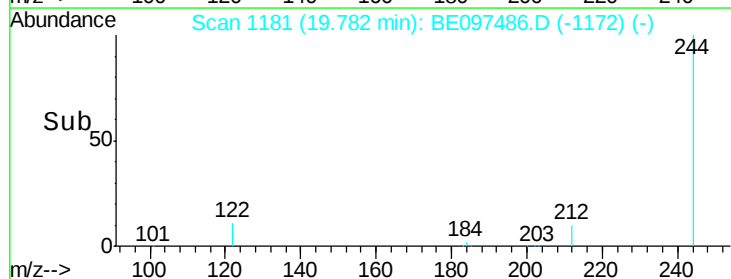
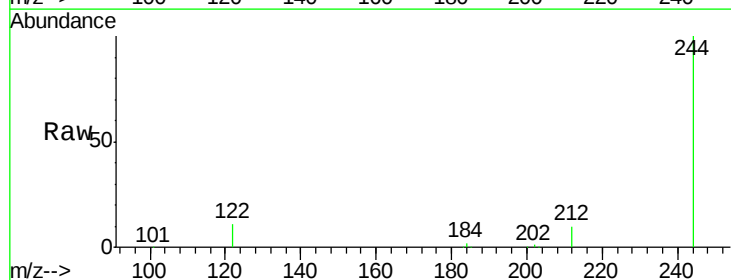
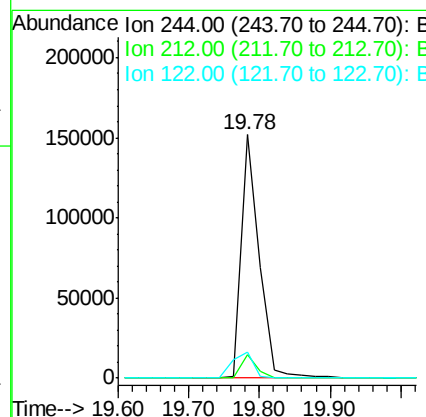
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#24
 Terphenyl-d14
 Concen: 4.57 ng
 RT: 19.78 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

Tgt Ion:	244	Resp:	268389
Ion Ratio	Lower	Upper	
244	100		
212	9.7	5.8	8.8#
122	11.0	1.8	2.8#





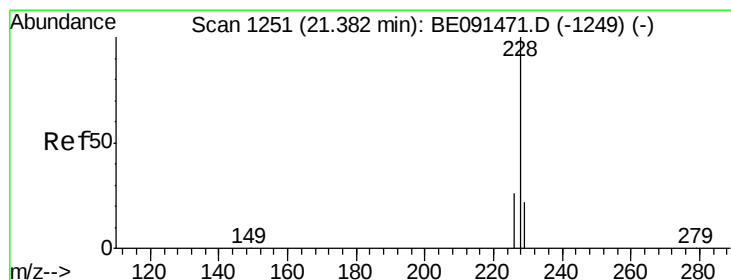
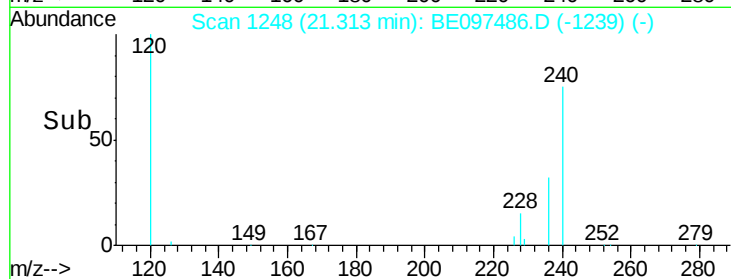
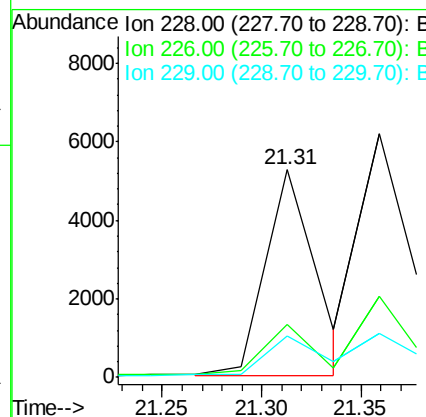
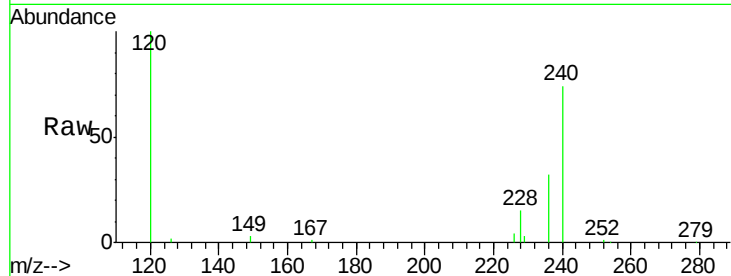
#25
Benzo(a)anthracene
Concen: 0.07 ng m
RT: 21.31 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.3	24.0	36.0
229	20.2	13.8	20.6

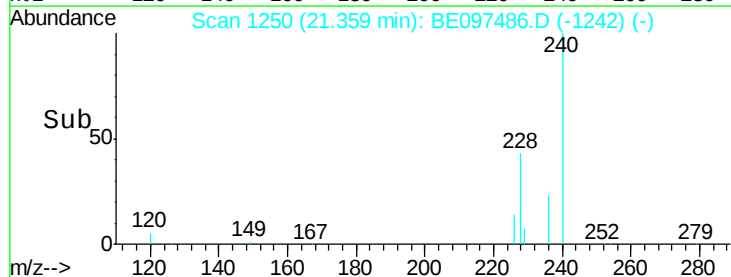
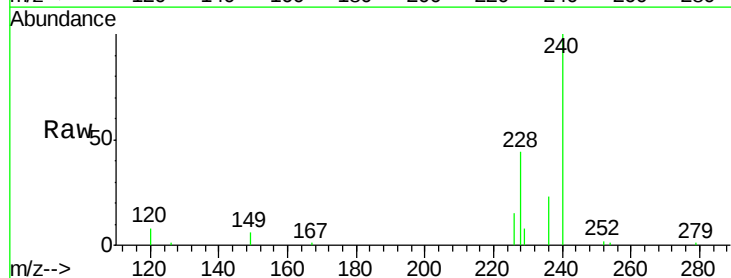
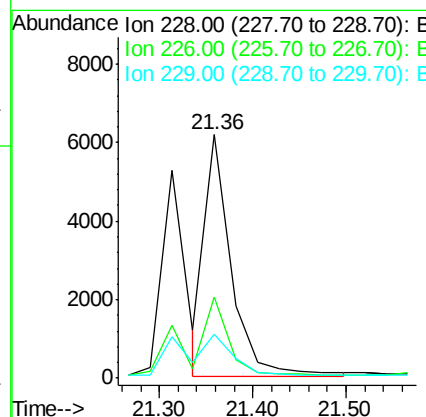
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#26
Chrysene
Concen: 0.09 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

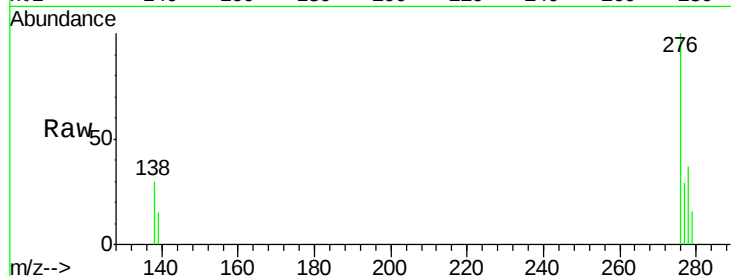
Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	18.9	28.3#
229	17.8	19.1	28.7#





#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.05 ng
 RT: 26.39 min Scan# 1652
 Delta R.T. -0.01 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

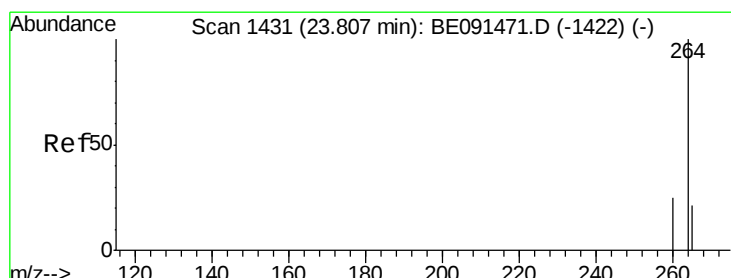
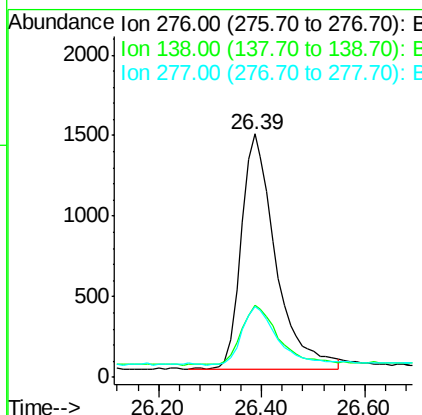
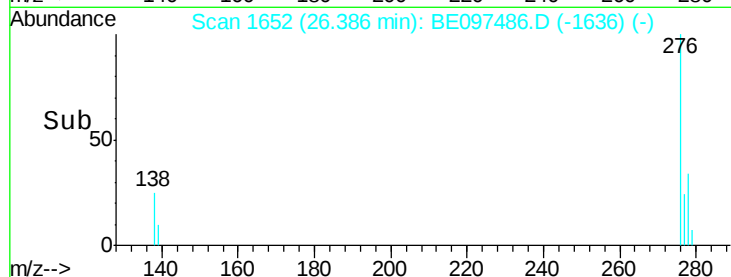
Instrument :
 BNA_E
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.8	20.2	30.4
277	25.7	19.8	29.8

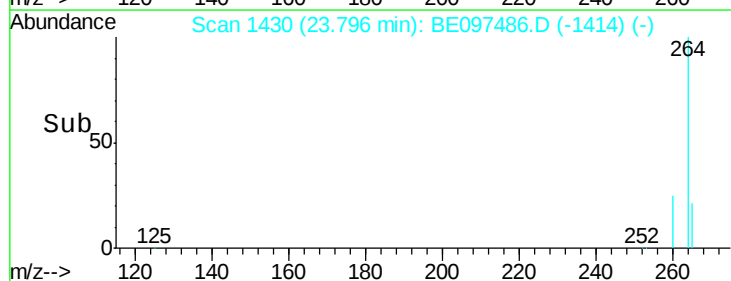
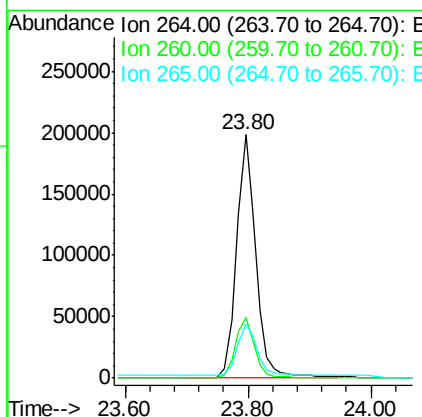
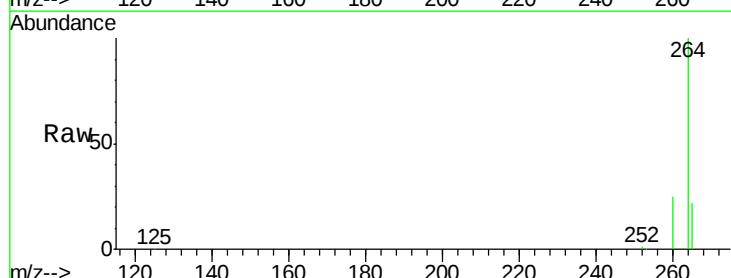
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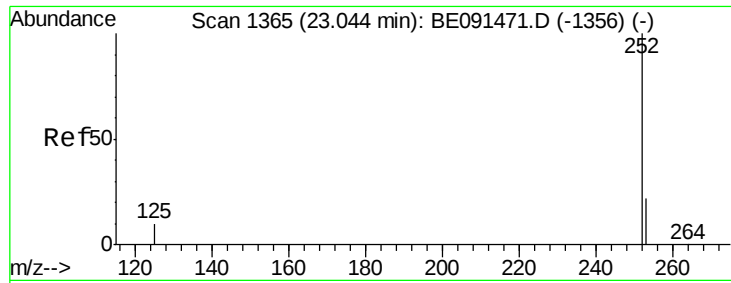
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.80 min Scan# 1430
 Delta R.T. -0.01 min
 Lab File: BE097486.D
 Acq: 18 Mar 2016 15:52

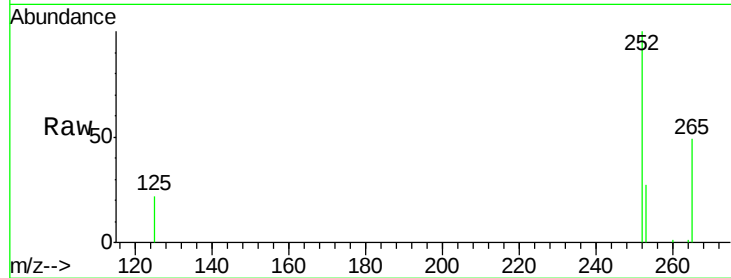
Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	20.1	30.1
265	22.3	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 0.07 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

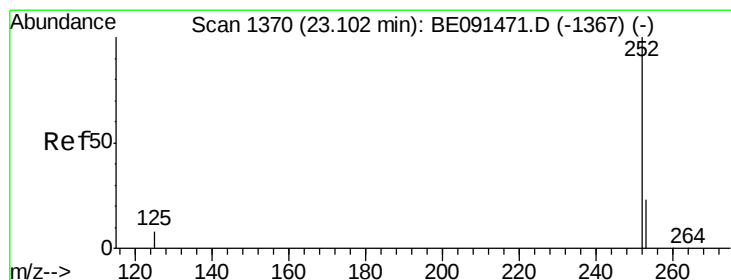
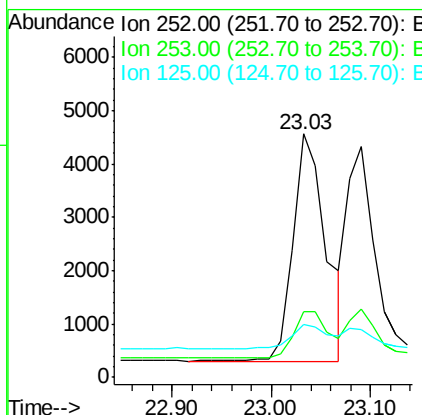
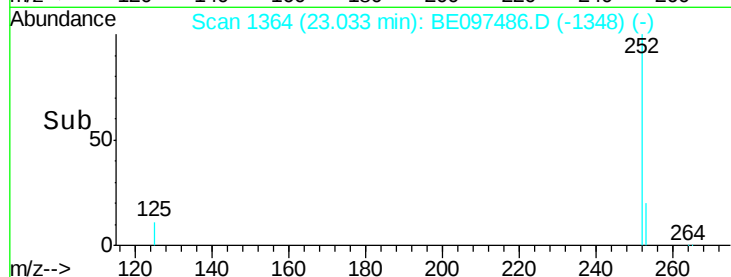
Instrument :
BNA_E
ClientSampleId :



Tgt Ion:252 Resp: 9743
Ion Ratio Lower Upper
252 100
253 26.9 18.7 28.1
125 21.9 9.8 14.6#

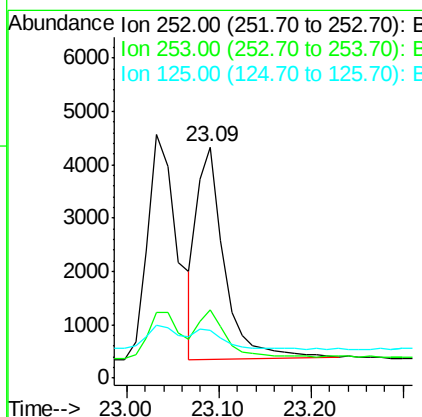
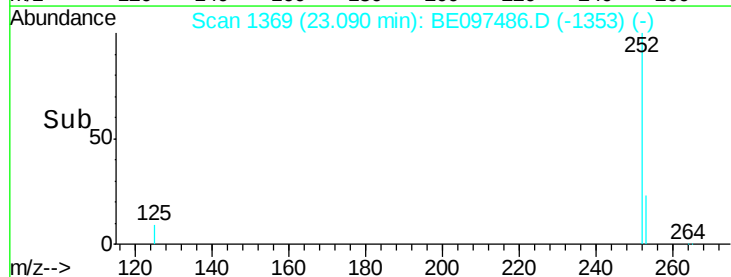
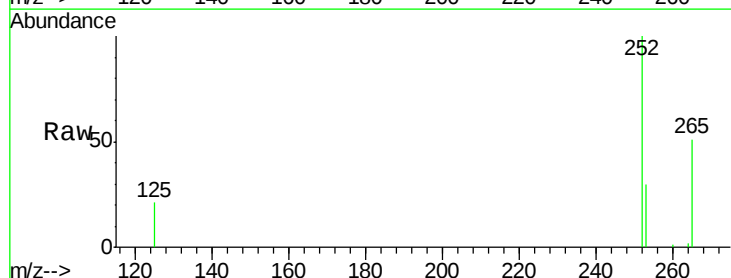
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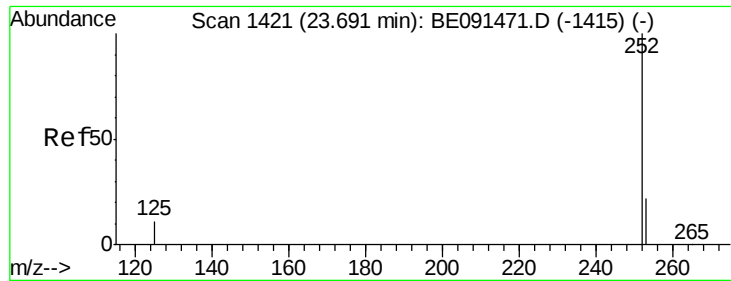
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#30
Benzo(k)fluoranthene
Concen: 0.06 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE097486.D
Acq: 18 Mar 2016 15:52

Tgt Ion:252 Resp: 8119
Ion Ratio Lower Upper
252 100
253 29.7 20.2 30.4
125 20.8 9.4 14.2#





#31

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.68 min Scan# 1420

Delta R.T. -0.01 min

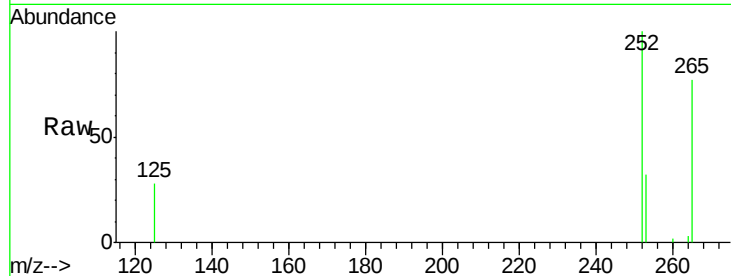
Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Instrument :

BNA_E

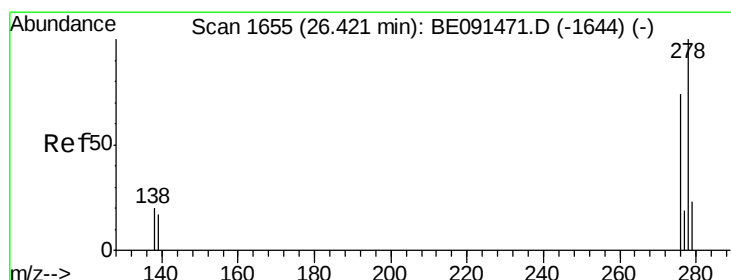
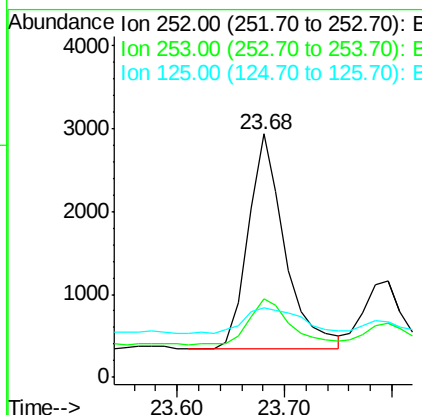
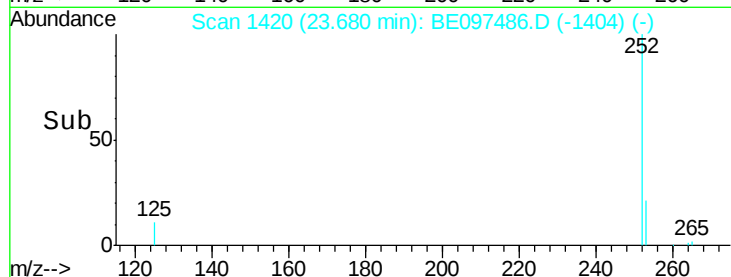
ClientSampleId :



Tgt Ion:	252	Resp:	6133
Ion Ratio	Lower	Upper	
252	100		
253	32.1	19.4	29.0#
125	28.4	11.4	17.2#

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#32

Dibenzo(a,h)anthracene

Concen: 0.05 ng

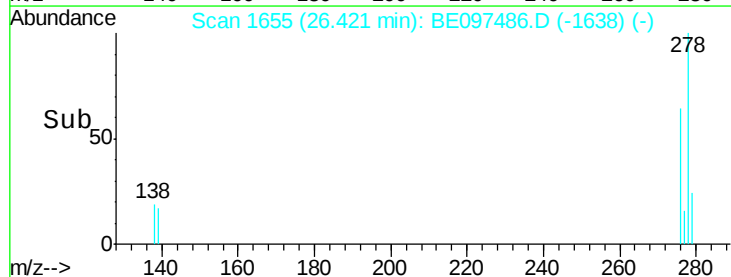
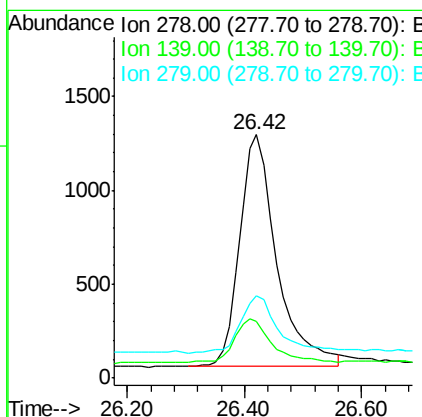
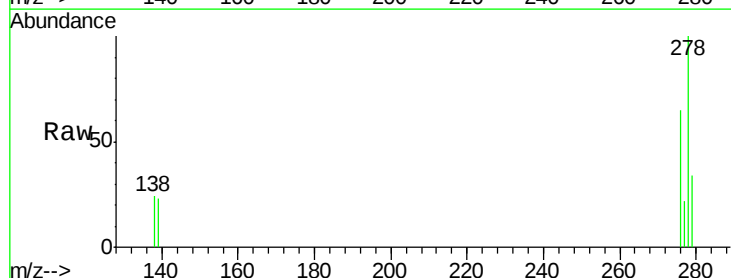
RT: 26.42 min Scan# 1655

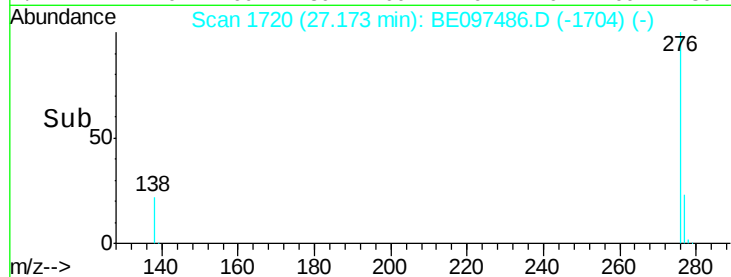
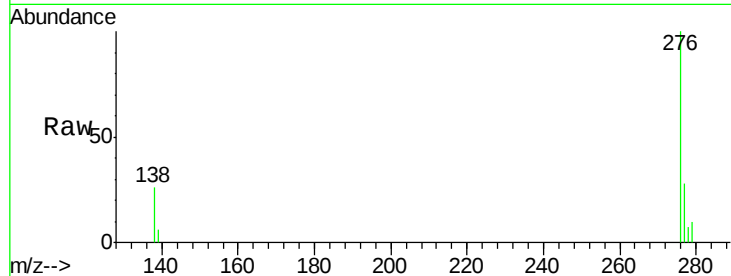
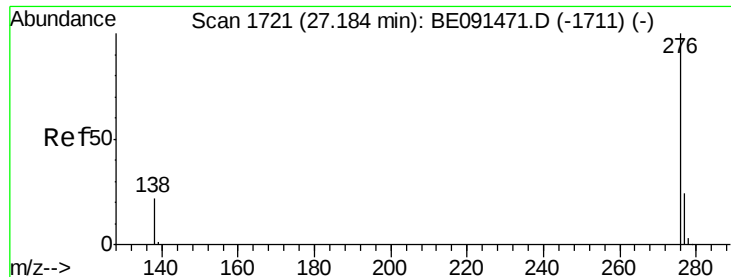
Delta R.T. -0.00 min

Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Tgt Ion:	278	Resp:	5434
Ion Ratio	Lower	Upper	
278	100		
139	23.0	14.2	21.4#
279	34.1	19.6	29.4#





#33

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 27.17 min Scan# 1720

Delta R.T. -0.01 min

Lab File: BE097486.D

Acq: 18 Mar 2016 15:52

Tgt Ion:	276	Resp:	6271
Ion Ratio	Lower	Upper	
276	100		
277	27.7	19.4	29.2
138	26.3	18.2	27.4

Instrument :

BNA_E

ClientSampleId :

Manual Integrations
APPROVED

mohammad
3/21/2016 6:39:33 PM

