

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
 Data File : BE097483.D
 Acq On : 18 Mar 2016 14:02
 Operator : UM/SJ
 Sample : MDL-03-W
 Misc : 0.08PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Manual Integrations
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 3/21/2016 6:39:21 PM

Quant Time: Mar 18 14:41:04 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	51915	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	225534	5.00	ng	0.00
10) Acenaphthene-d10	14.45	164	127116	5.00	ng	0.00
16) Phenanthrene-d10	17.17	188	337279	5.00	ng	-0.01
22) Chrysene-d12	21.34	240	466094	5.00	ng	0.00
28) Perylene-d12	23.80	264	408169	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	91637	7.68	ng	0.00
5) Phenol-d6	6.99	99	118228	7.59	ng	0.00
7) Nitrobenzene-d5	8.98	82	40557	3.36	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	30528	6.56	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	144491	4.52	ng	0.00
24) Terphenyl-d14	19.78	244	238384	4.25	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	528	0.08	ng	# 83
3) n-Nitrosodimethylamine	3.70	42	204	0.02	ng	# 4
8) Naphthalene	10.65	128	2757	0.05	ng	# 93
9) 2-Methylnaphthalene	12.27	142	1612	0.05	ng	# 93
13) Acenaphthylene	14.16	152	2277	0.17	ng	# 89
14) Acenaphthene	14.50	154	1845	0.05	ng	95
15) Fluorene	15.48	166	2288	0.05	ng	97
17) Hexachlorobenzene	16.48	284	771	0.05	ng	95
18) Pentachlorophenol	16.83	266	293	0.24	ng	# 83
19) Phenanthrene	17.22	178	5175m	0.05	ng	
20) Anthracene	17.31	178	3585	0.04	ng	97
21) Fluoranthene	19.22	202	5358	0.05	ng	94
23) Pyrene	19.59	202	5645	0.05	ng	98
25) Benzo(a)anthracene	21.31	228	7554m	0.06	ng	
26) Chrysene	21.36	228	10256m	0.08	ng	
27) Indeno(1,2,3-cd)pyrene	26.39	276	5593	0.04	ng	97
29) Benzo(b)fluoranthene	23.03	252	8257	0.06	ng	# 81
30) Benzo(k)fluoranthene	23.09	252	7245	0.05	ng	# 83
31) Benzo(a)pyrene	23.68	252	5156	0.05	ng	# 69
32) Dibenzo(a,h)anthracene	26.42	278	4550	0.04	ng	# 79
33) Benzo(g,h,i)perylene	27.18	276	5159	0.04	ng	# 87

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

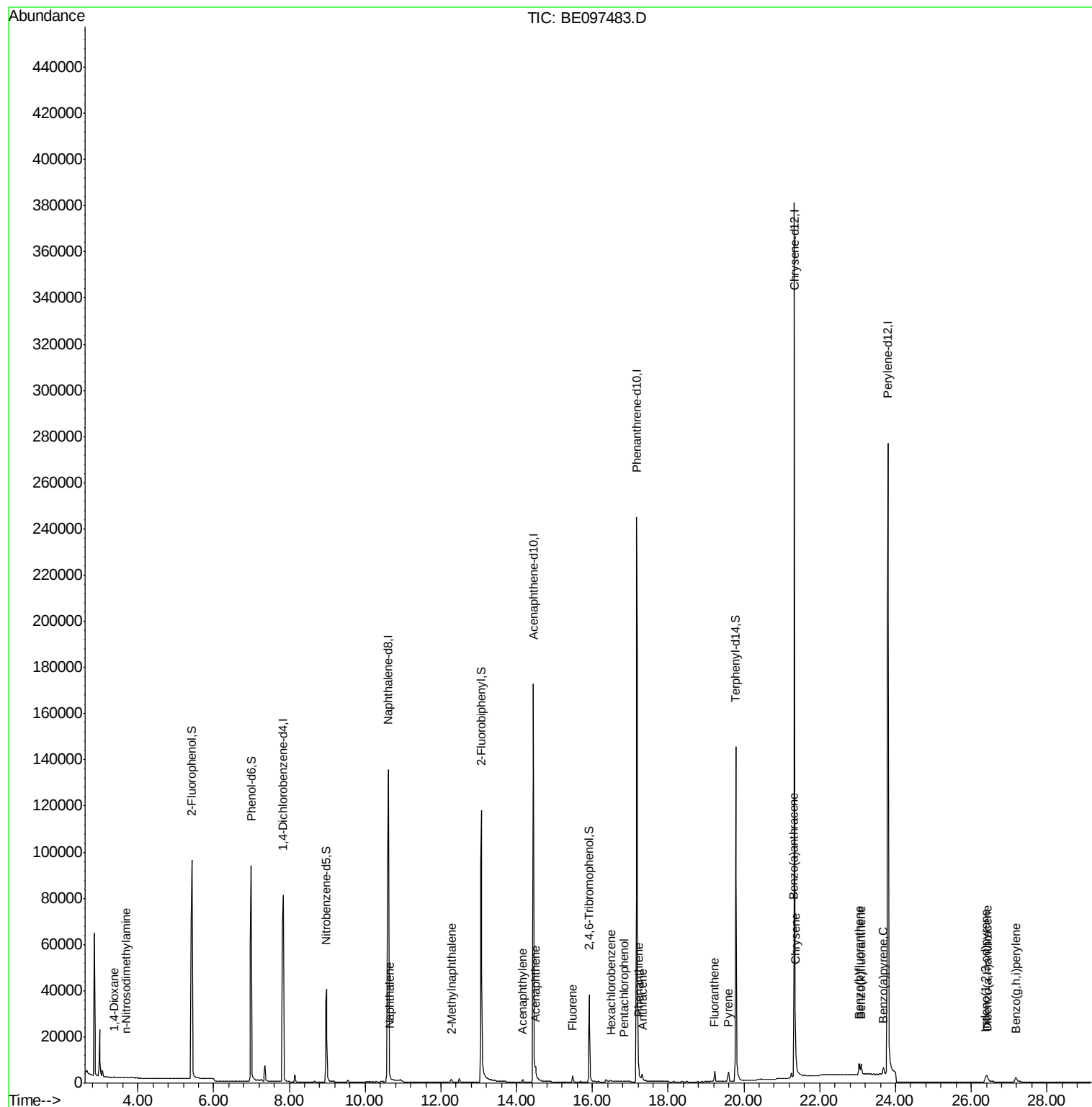
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
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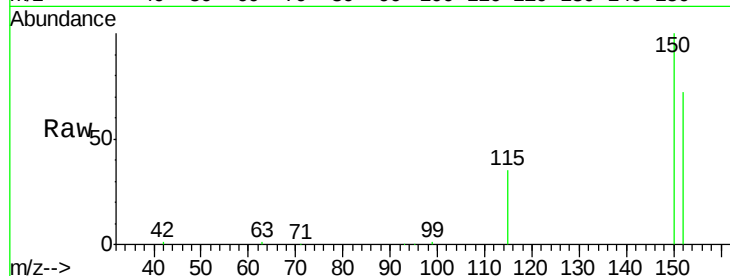




#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.84 min Scan# 302
Delta R.T. -0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

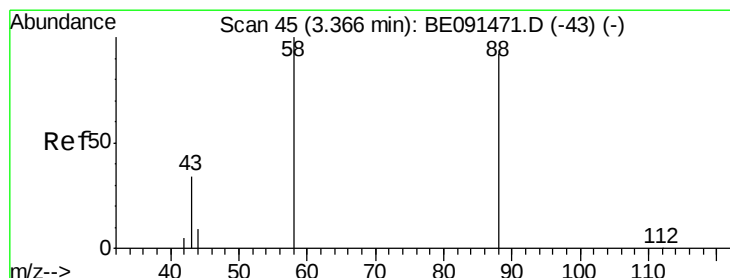
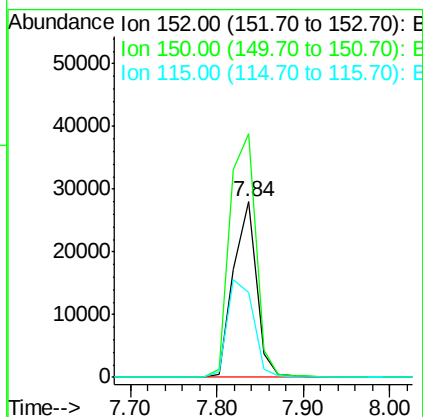
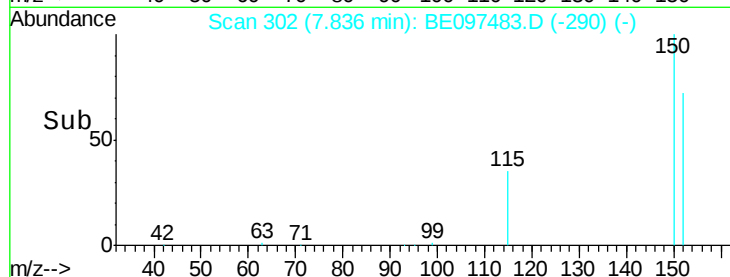
Instrument :
BNA_E
ClientSampled :



Tgt Ion	Ratio	Lower	Upper
152	100		
150	138.6	122.2	183.2
115	48.0	45.9	68.9

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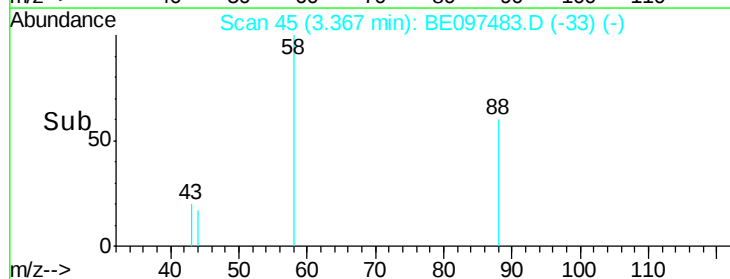
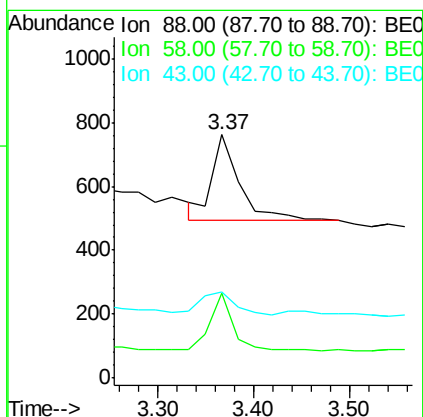
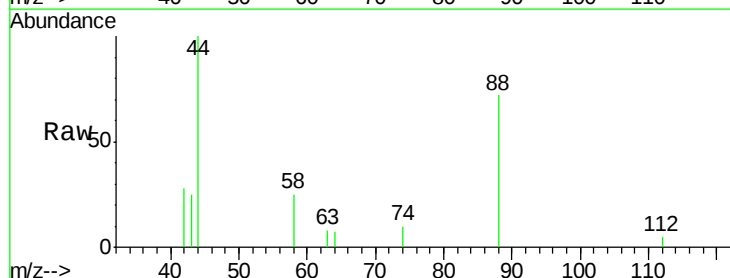
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#2

1,4-Dioxane
Concen: 0.08 ng
RT: 3.37 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Tgt Ion	Ratio	Lower	Upper
88	100		
58	55.9	61.0	91.6#
43	32.4	25.4	38.2





#3

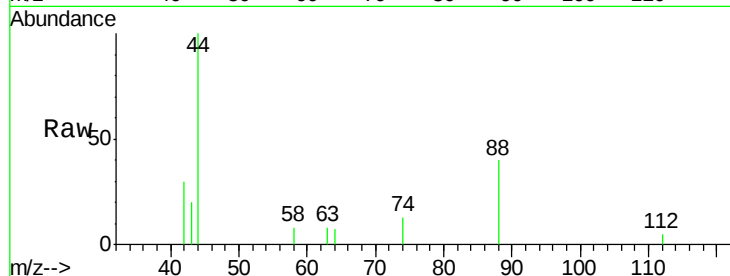
n-Nitrosodimethylamine
Concen: 0.02 ng
RT: 3.70 min Scan# 64
Delta R.T. 0.02 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampleId :

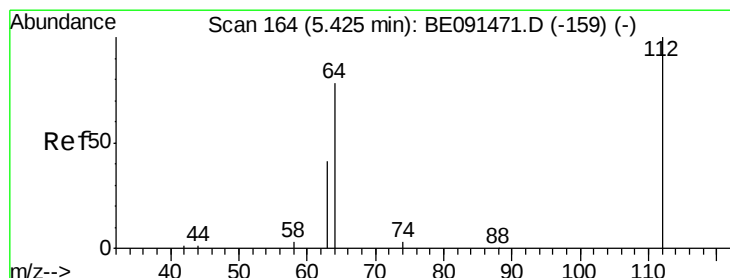
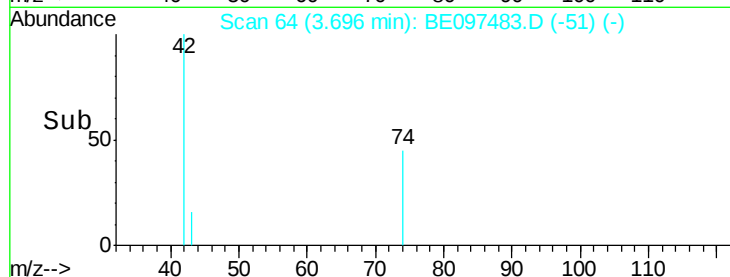
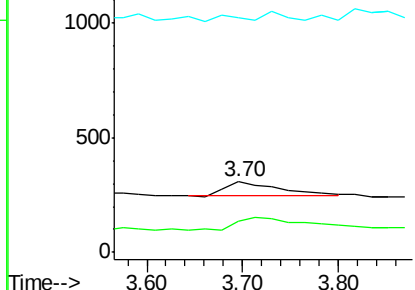
Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	84.3	126.5#
44	0.0	6.7	10.1#

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Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0

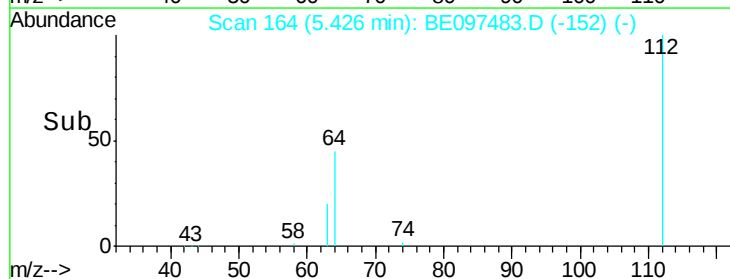
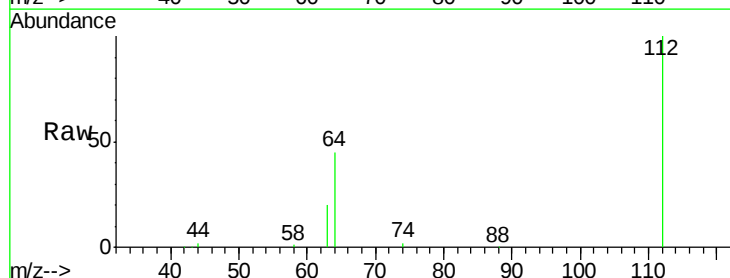
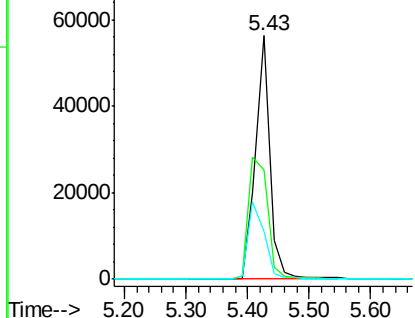


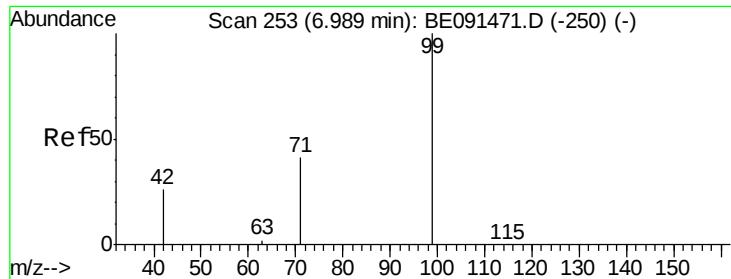
#4

2-Fluorophenol
Concen: 7.68 ng
RT: 5.43 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.3	79.9
63	35.8	29.8	44.8

Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.59 ng

RT: 6.99 min Scan# 253

Delta R.T. -0.00 min

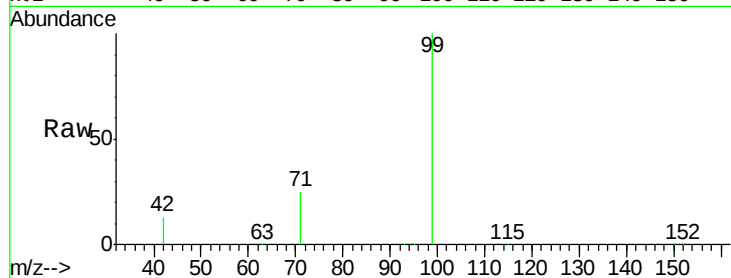
Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

ClientSampleId :



Tgt Ion: 99 Resp: 118228

Ion Ratio Lower Upper

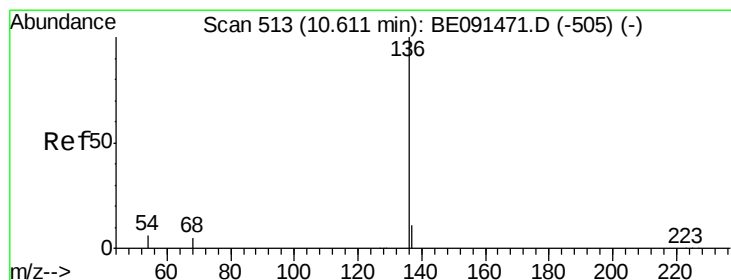
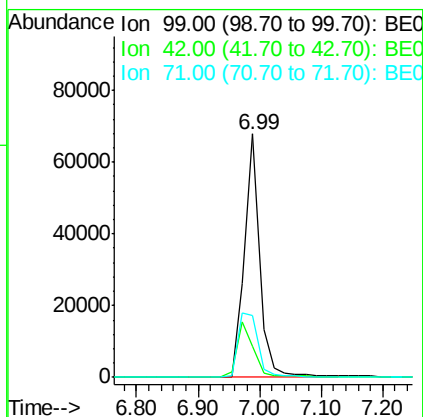
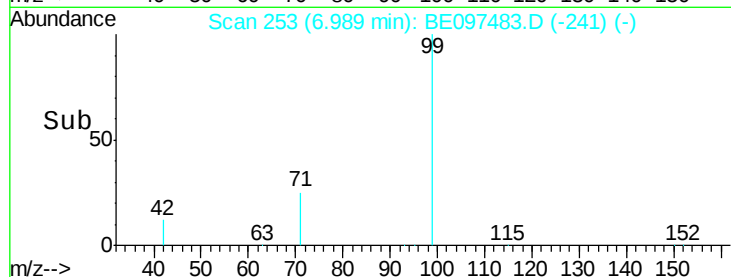
99 100

42 24.0 20.6 30.8

71 35.1 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: BE097483.D

Acq: 18 Mar 2016 14:02

Tgt Ion: 136 Resp: 225534

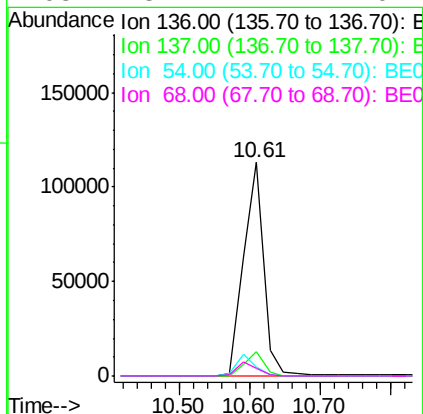
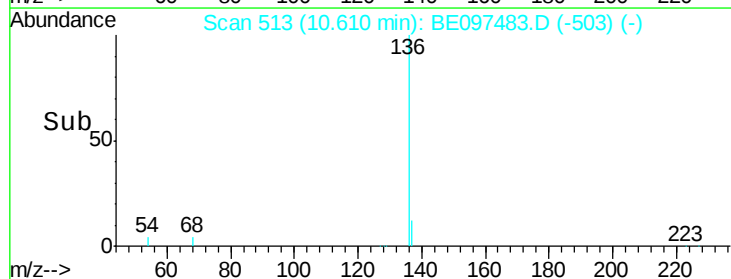
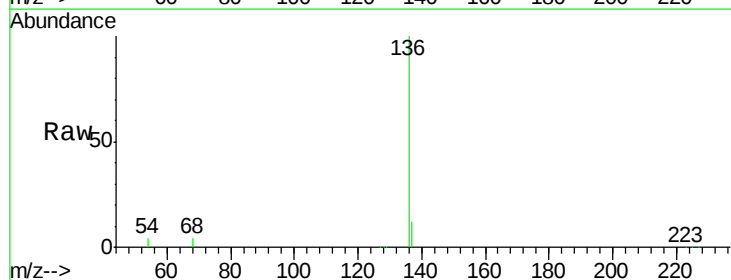
Ion Ratio Lower Upper

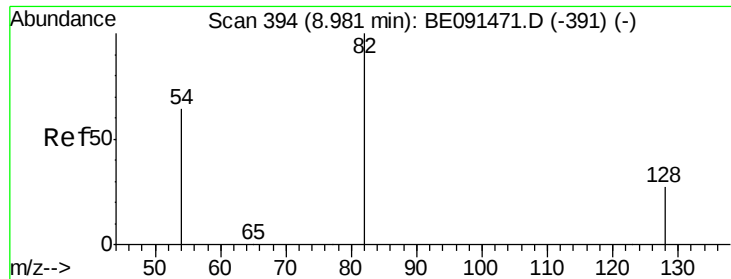
136 100

137 11.7 8.8 13.2

54 4.5 5.2 7.8#

68 3.7 4.1 6.1#





#7

Nitrobenzene-d5

Concen: 3.36 ng

RT: 8.98 min Scan# 394

Delta R.T. 0.00 min

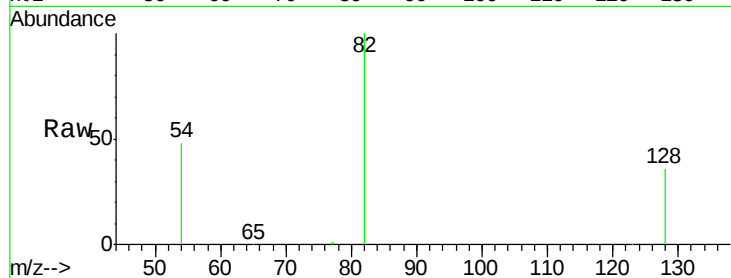
Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

ClientSampled :



Tgt Ion: 82 Resp: 40557

Ion Ratio Lower Upper

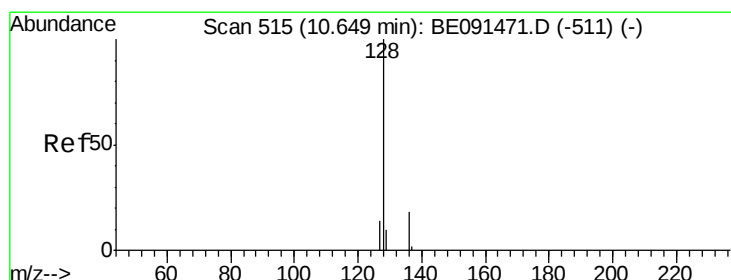
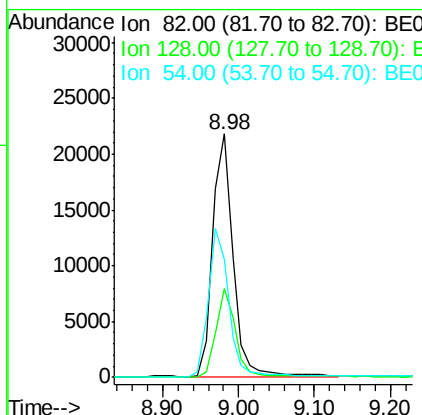
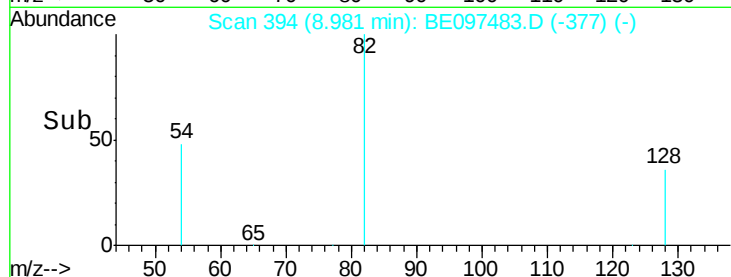
82 100

128 36.2 23.5 35.3#

54 48.3 52.4 78.6#

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#8

Naphthalene

Concen: 0.05 ng

RT: 10.65 min Scan# 515

Delta R.T. -0.00 min

Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

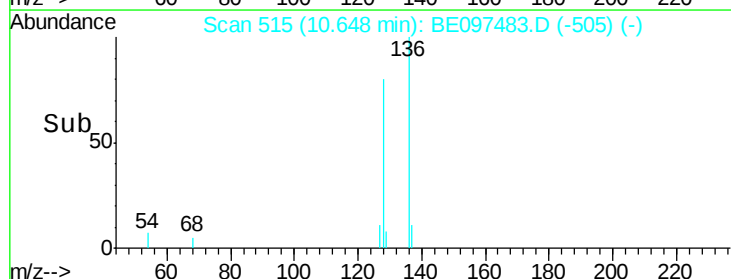
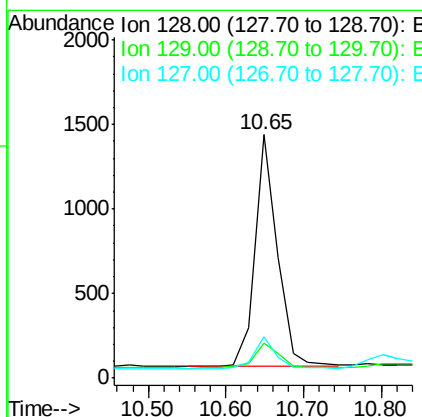
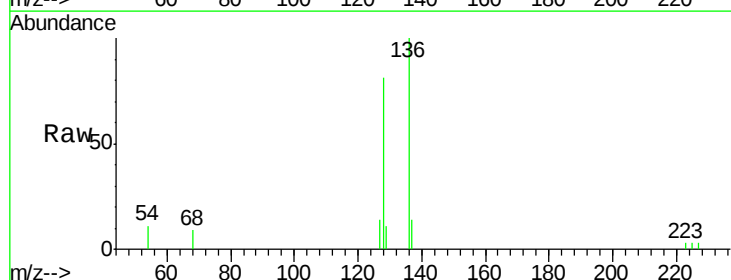
Tgt Ion: 128 Resp: 2757

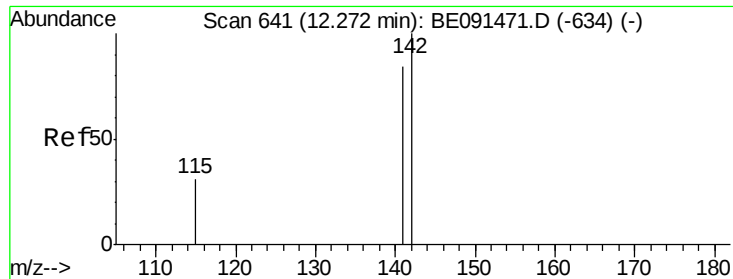
Ion Ratio Lower Upper

128 100

129 14.2 8.2 12.2#

127 16.9 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: BE097483.D

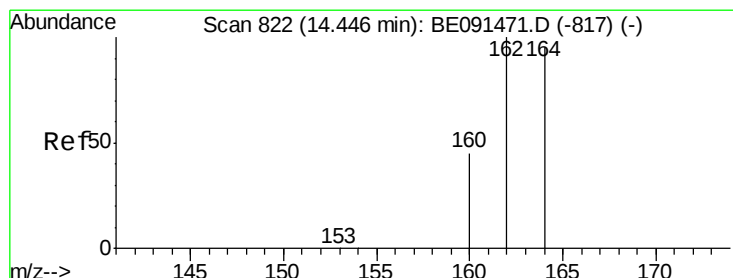
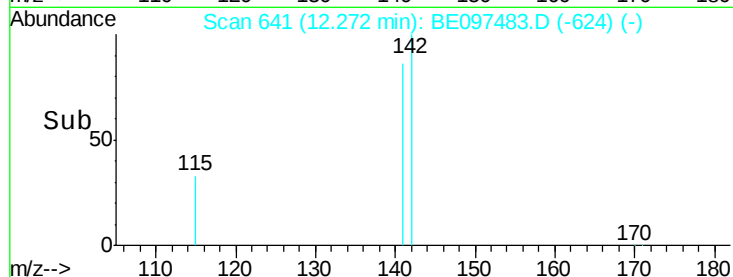
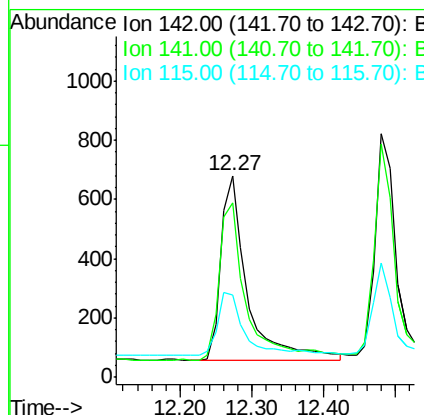
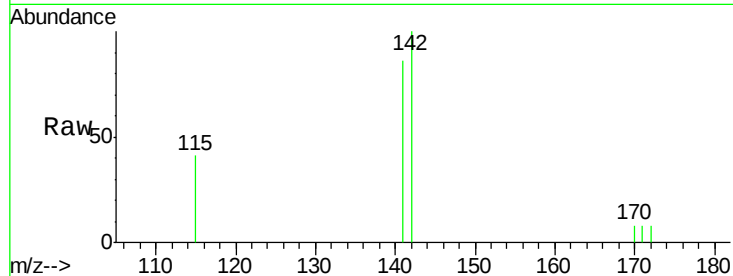
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampled :

Tgt Ion	Ratio	Lower	Upper
142	100		
141	86.4	66.9	100.3
115	40.8	25.1	37.7

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#10

Acenaphthene-d10

Concen: 5.00 ng

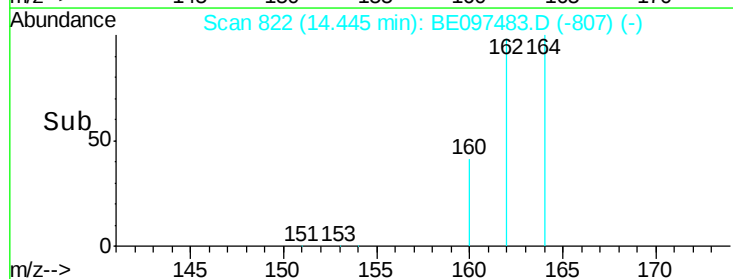
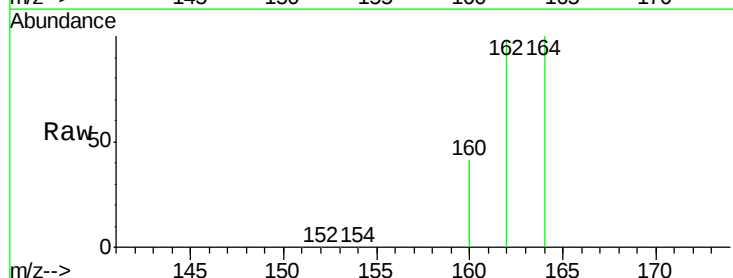
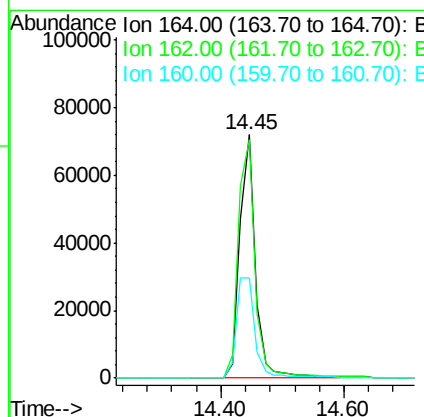
RT: 14.45 min Scan# 822

Delta R.T. -0.00 min

Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

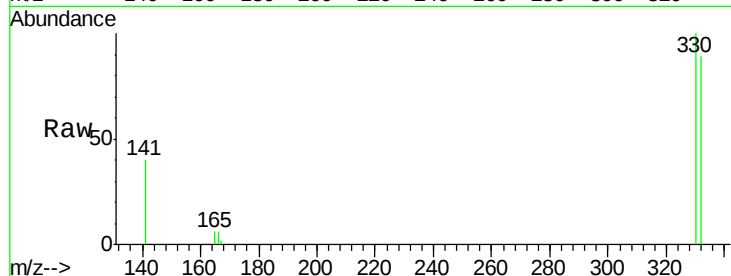
Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.0	84.4	126.6
160	41.4	37.7	56.5





#11
 2,4,6-Tribromophenol
 Concen: 6.56 ng
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE097483.D
 Acq: 18 Mar 2016 14:02

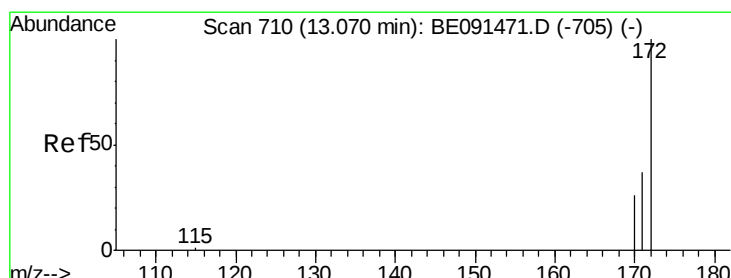
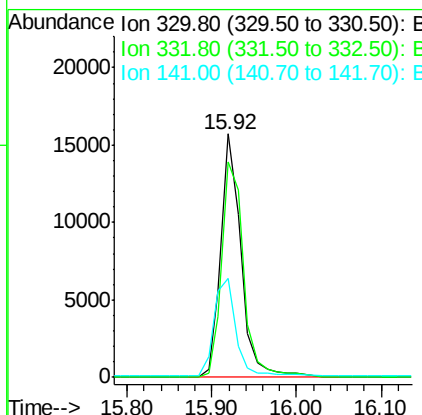
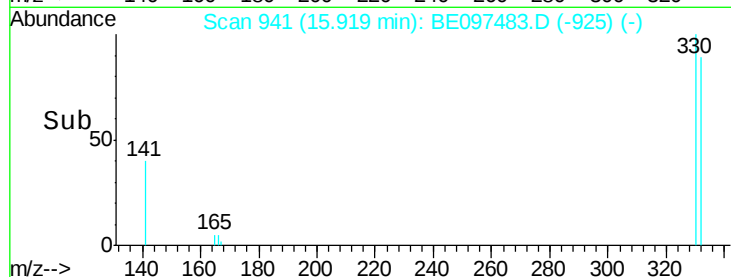
Instrument :
 BNA_E
 ClientSampleId :



Tgt Ion:330 Resp: 30528
 Ion Ratio Lower Upper
 330 100
 332 95.8 79.2 118.8
 141 42.6 28.1 42.1#

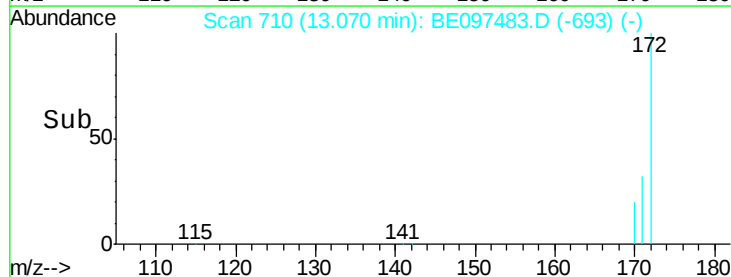
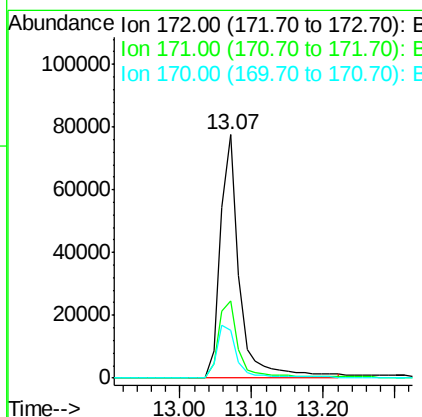
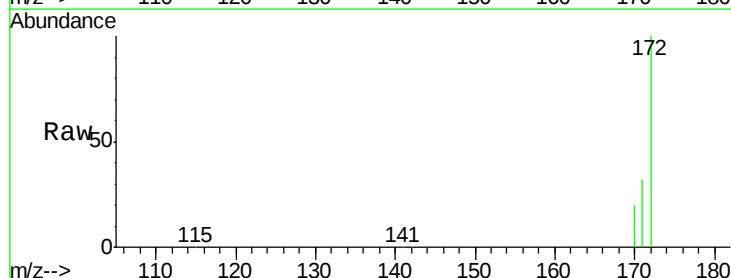
Manual Integrations
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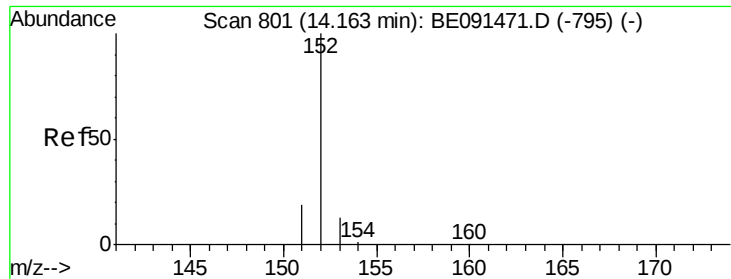
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#12
 2-Fluorobiphenyl
 Concen: 4.52 ng
 RT: 13.07 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: BE097483.D
 Acq: 18 Mar 2016 14:02

Tgt Ion:172 Resp: 144491
 Ion Ratio Lower Upper
 172 100
 171 31.9 29.8 44.8
 170 19.7 21.4 32.2#





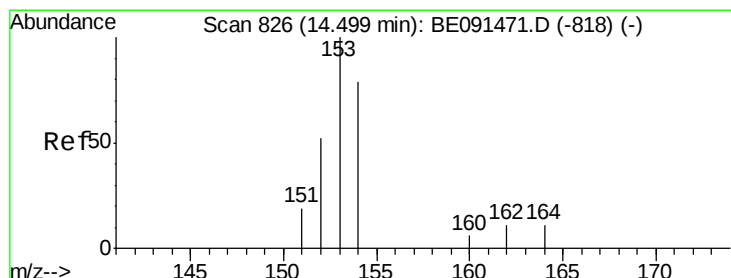
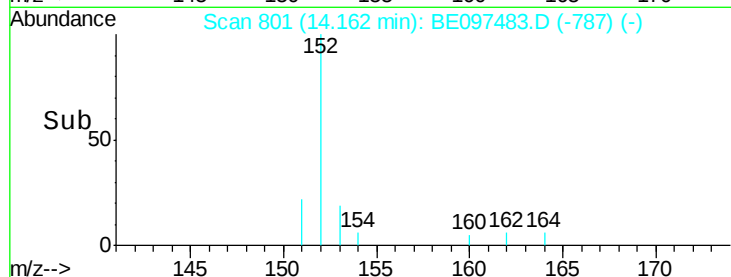
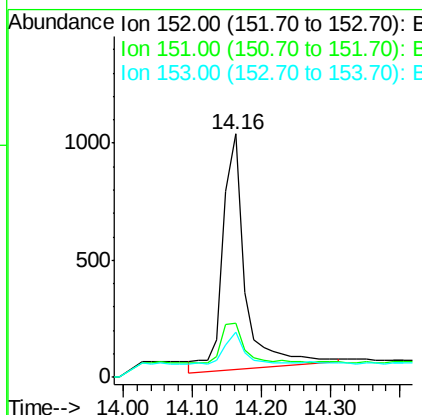
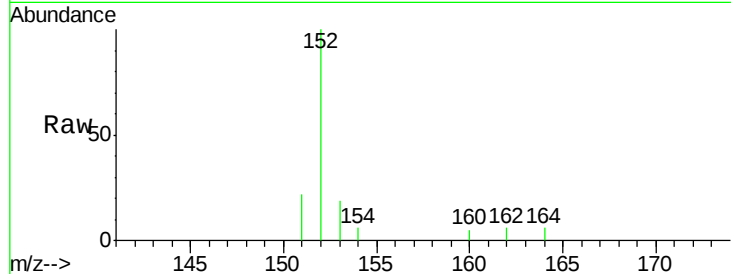
#13
Acenaphthylene
Concen: 0.17 ng
RT: 14.16 min Scan# 801
Delta R.T. 0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampled :

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.8	16.3	24.5
153	20.7	11.1	16.7#

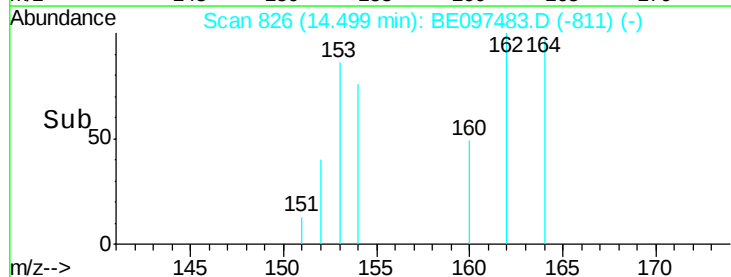
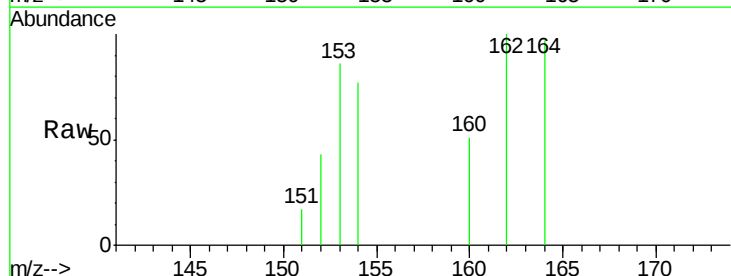
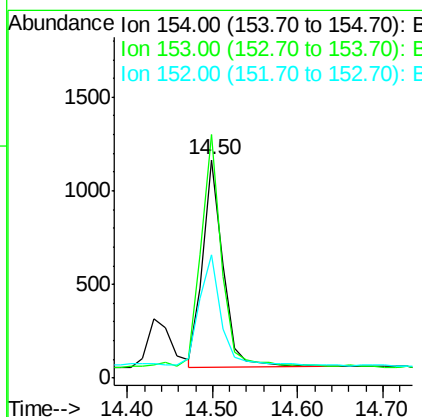
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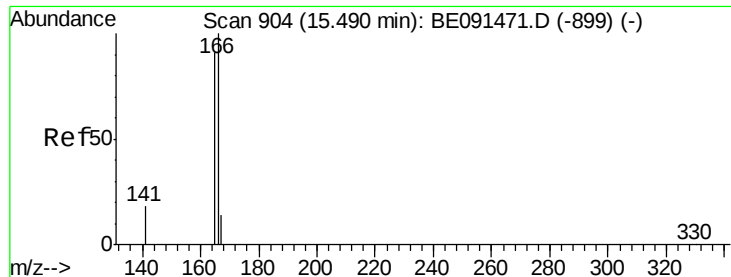
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#14
Acenaphthene
Concen: 0.05 ng
RT: 14.50 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Tgt Ion	Ratio	Lower	Upper
154	100		
153	115.8	87.3	130.9
152	54.6	42.9	64.3





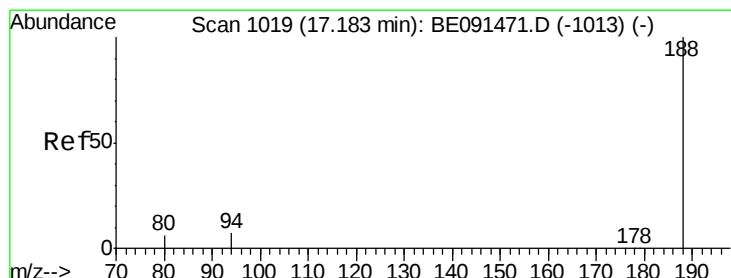
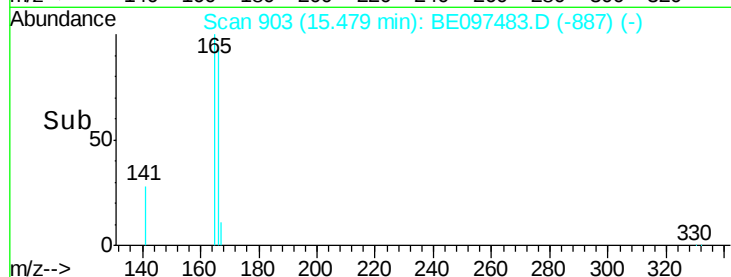
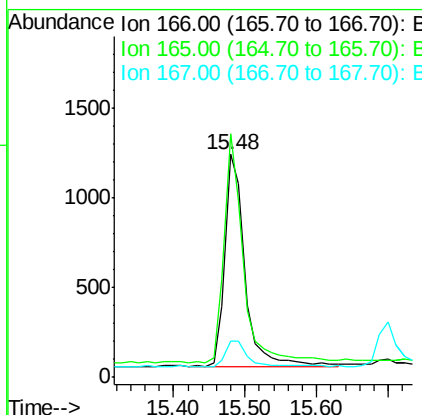
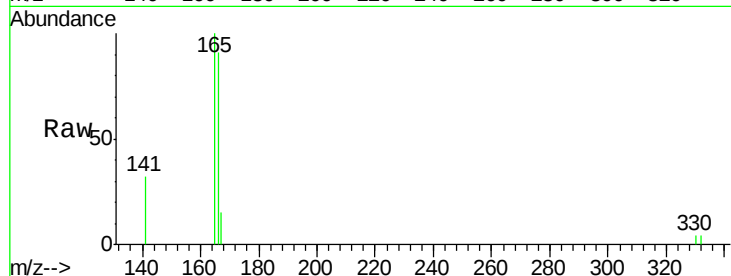
#15
Fluorene
 Concen: 0.05 ng
 RT: 15.48 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BE097483.D
 Acq: 18 Mar 2016 14:02

Instrument :
 BNA_E
 ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.9	79.2	118.8
167	13.5	10.8	16.2

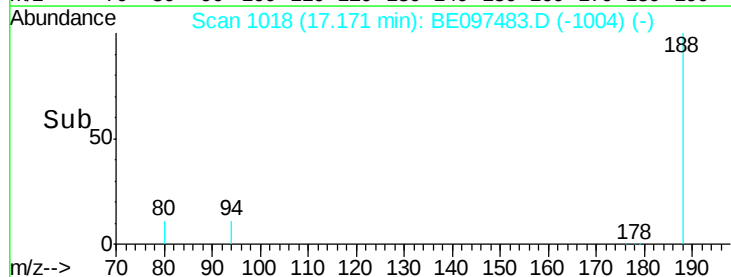
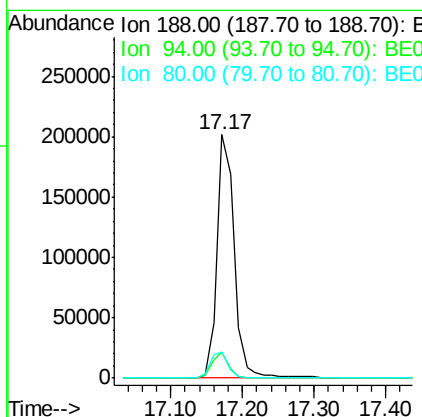
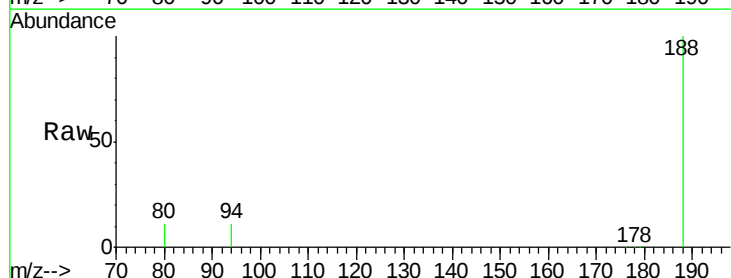
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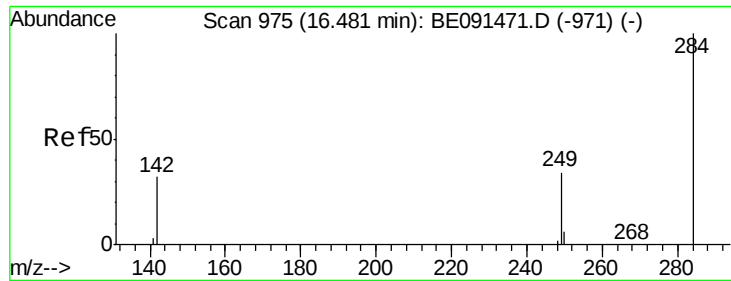
mohammad
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#16
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 17.17 min Scan# 1018
 Delta R.T. -0.01 min
 Lab File: BE097483.D
 Acq: 18 Mar 2016 14:02

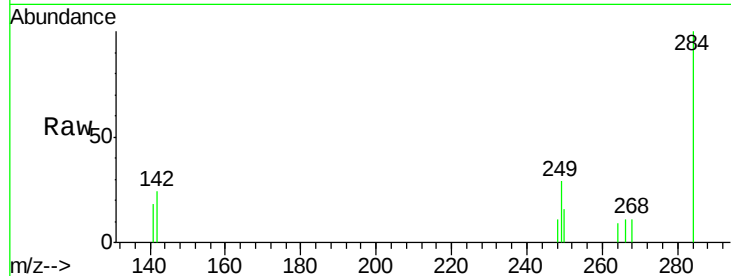
Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	5.4	8.2#
80	10.6	5.0	7.4#





#17
Hexachlorobenzene
Concen: 0.05 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

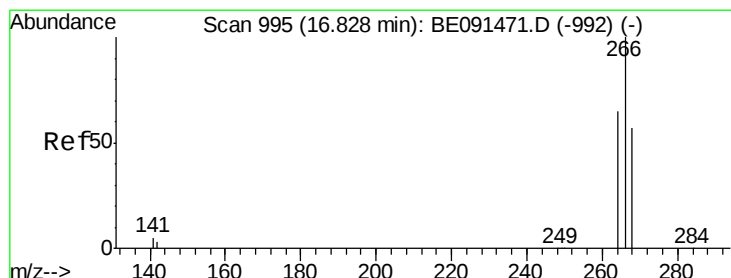
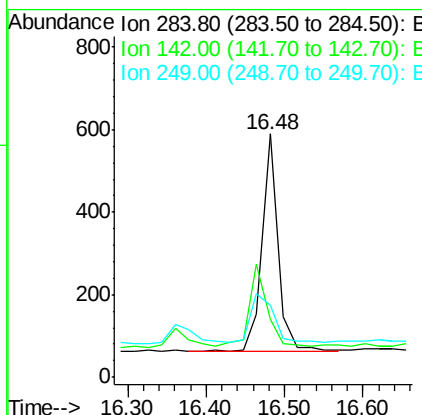
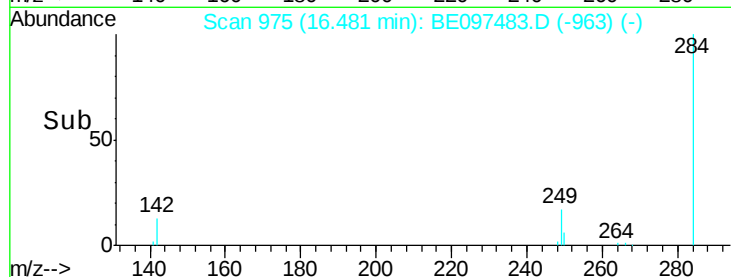
Instrument :
BNA_E
ClientSampleId :



Tgt Ion: 284 Resp: 771
Ion Ratio Lower Upper
284 100
142 42.8 31.0 46.4
249 31.0 25.8 38.8

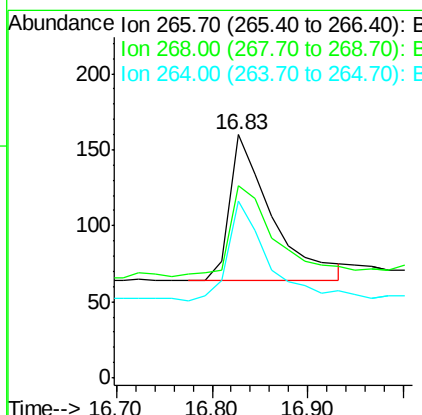
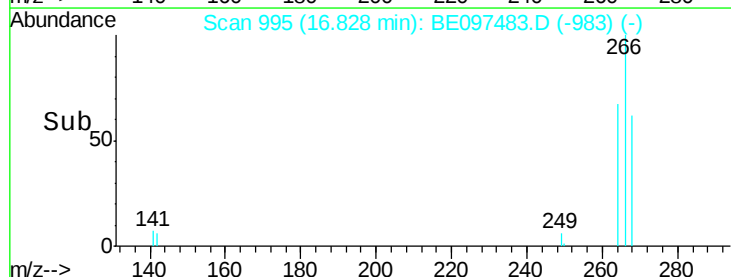
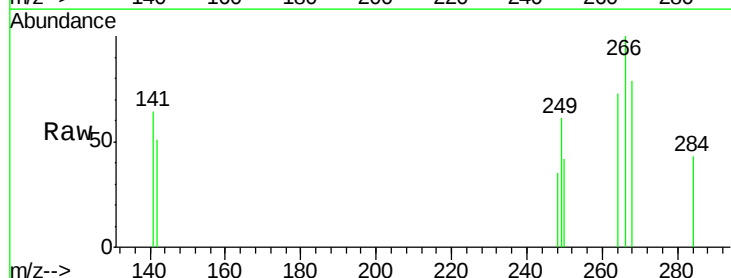
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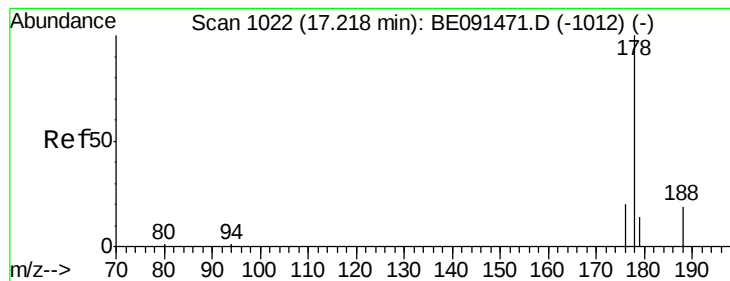
mohammad
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#18
Pentachlorophenol
Concen: 0.24 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Tgt Ion: 266 Resp: 293
Ion Ratio Lower Upper
266 100
268 78.8 48.2 72.2#
264 72.5 52.1 78.1





#19

Phenanthrene

Concen: 0.05 ng m

RT: 17.22 min Scan# 1022

Delta R.T. -0.00 min

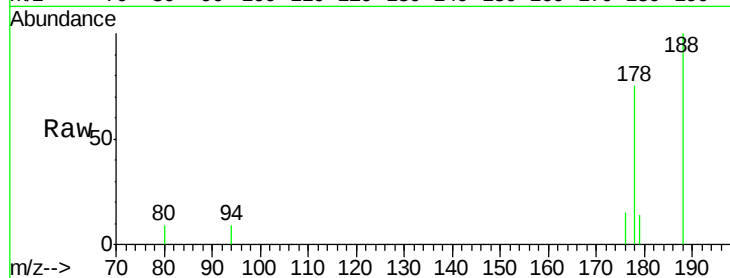
Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

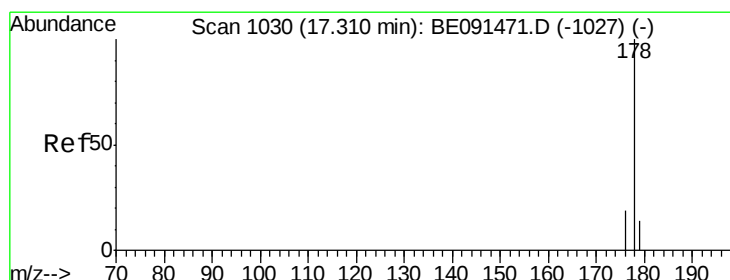
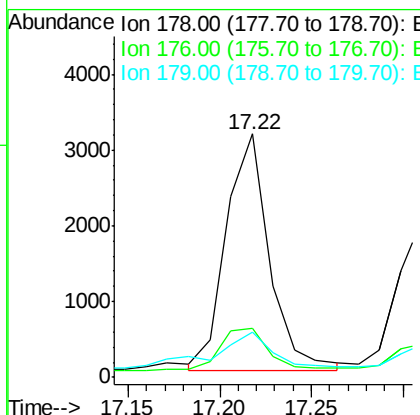
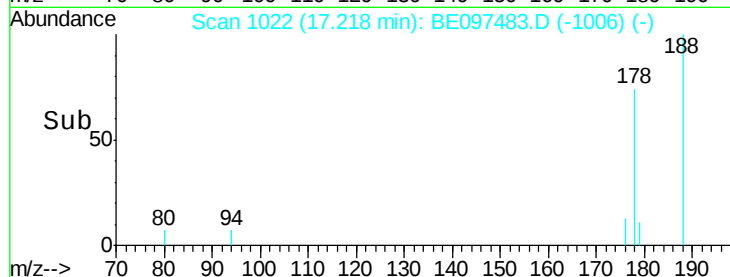
ClientSampleId :



Tgt Ion:	178	Resp:	5175
Ion Ratio	Lower	Upper	
178	100		
176	11.5	15.5	23.3#
179	9.6	13.1	19.7#

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#20

Anthracene

Concen: 0.04 ng

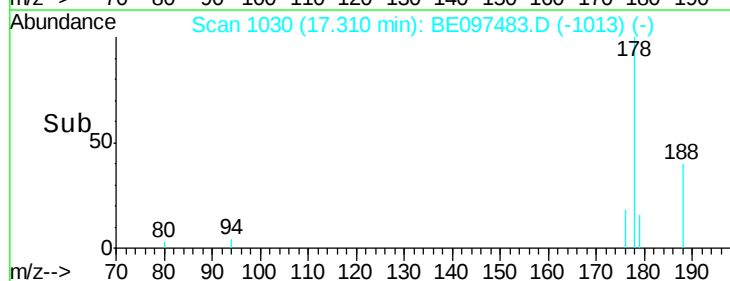
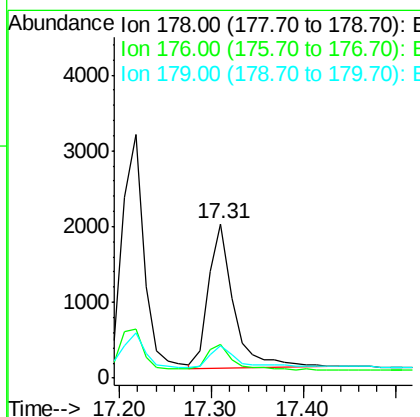
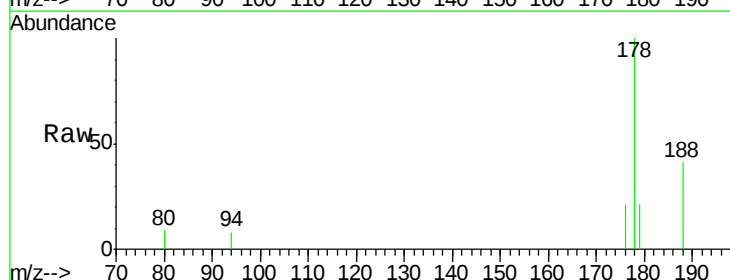
RT: 17.31 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

Tgt Ion:	178	Resp:	3585
Ion Ratio	Lower	Upper	
178	100		
176	19.8	14.9	22.3
179	14.3	12.2	18.4





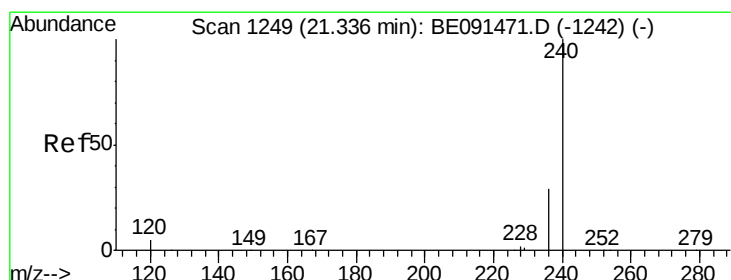
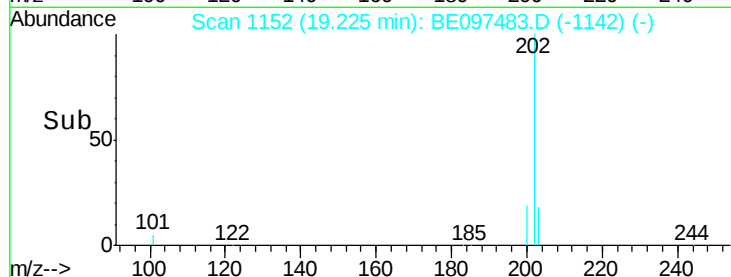
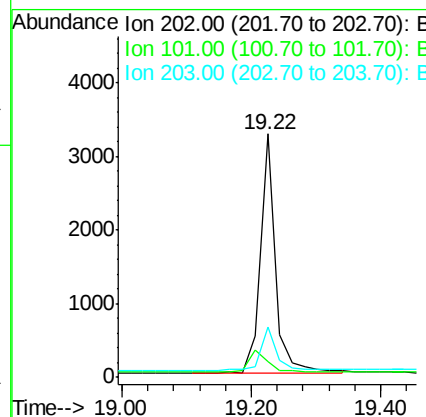
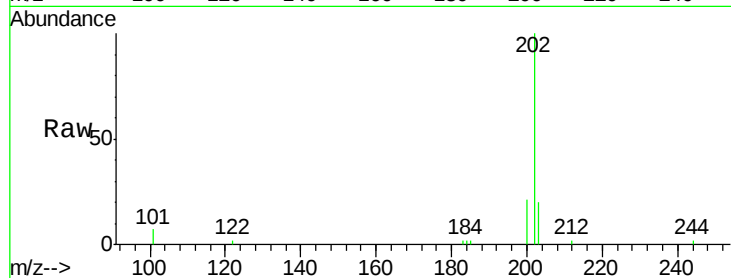
#21
Fluoranthene
Concen: 0.05 ng
RT: 19.22 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	8.3	12.5
203	20.2	13.9	20.9

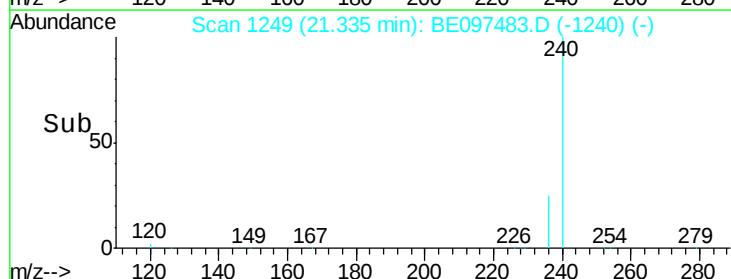
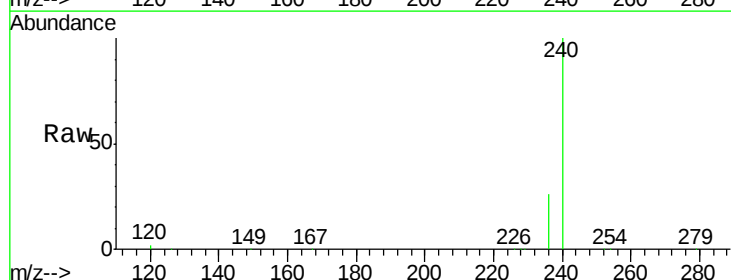
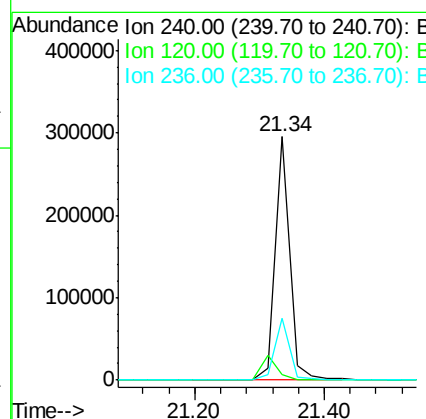
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#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.34 min Scan# 1249
Delta R.T. -0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Tgt Ion	Ratio	Lower	Upper
240	100		
120	2.2	4.0	6.0#
236	25.5	23.0	34.4





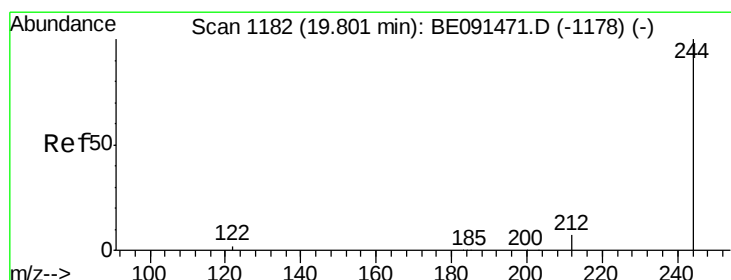
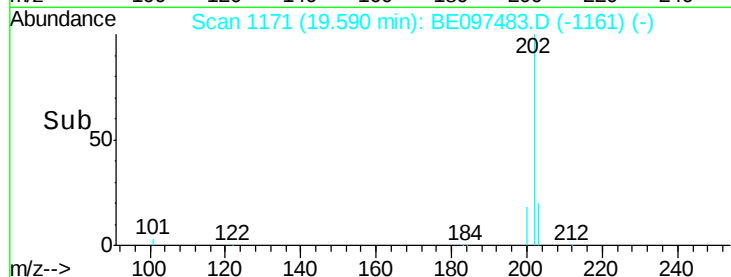
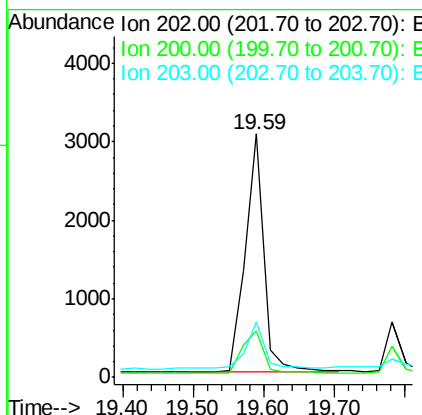
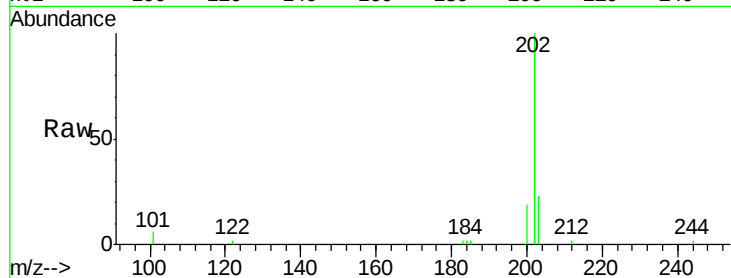
#23
Pyrene
Concen: 0.05 ng
RT: 19.59 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.5	16.4	24.6
203	20.5	14.6	21.8

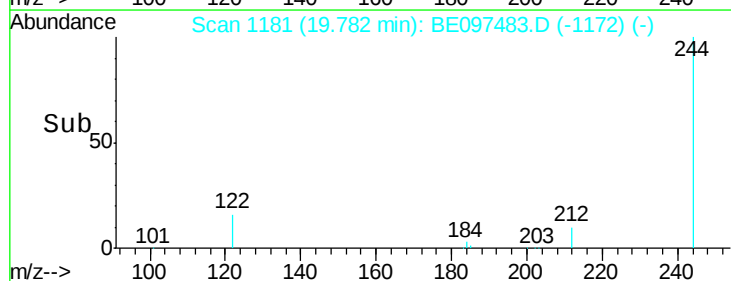
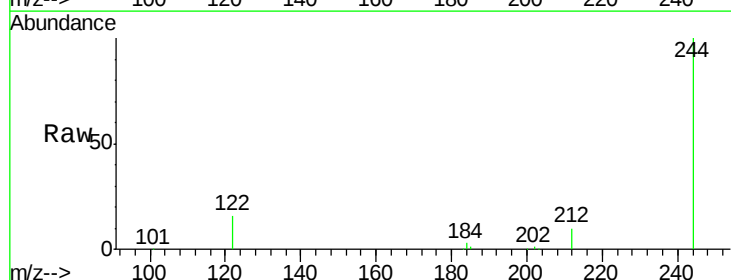
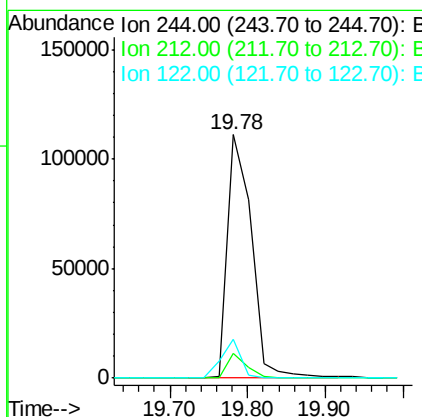
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#24
Terphenyl-d14
Concen: 4.25 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	10.1	5.8	8.8#
122	15.8	1.8	2.8#





#25

Benzo(a)anthracene

Concen: 0.06 ng m

RT: 21.31 min Scan# 1248

Delta R.T. -0.00 min

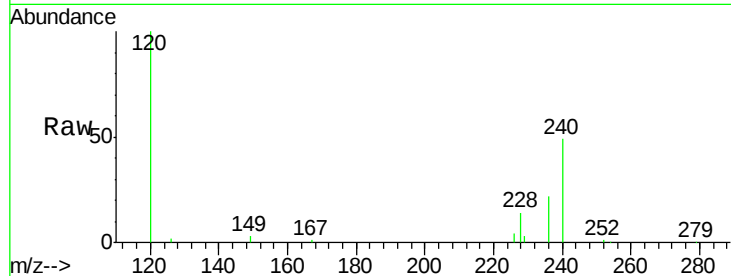
Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

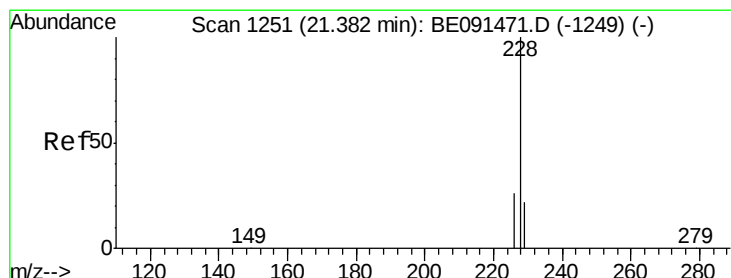
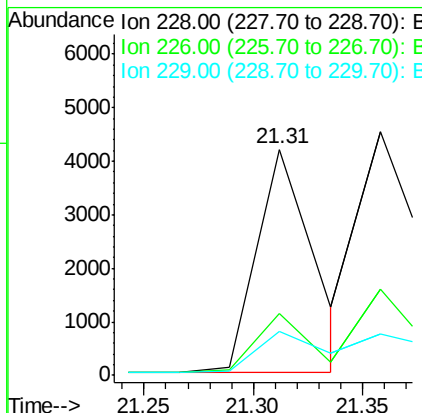
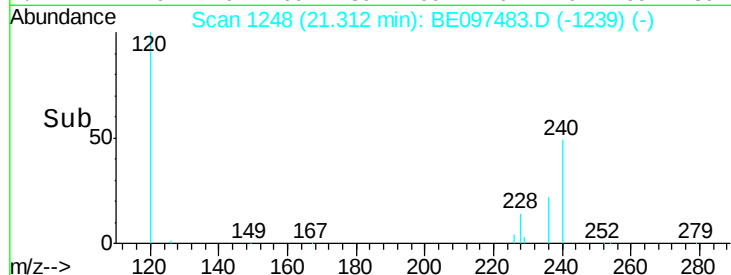
ClientSampleId :



Tgt Ion:	228	Resp:	7554
Ion Ratio	Lower	Upper	
228	100		
226	27.2	24.0	36.0
229	19.7	13.8	20.6

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#26

Chrysene

Concen: 0.08 ng m

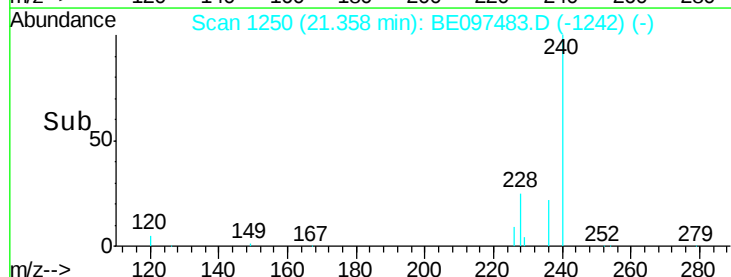
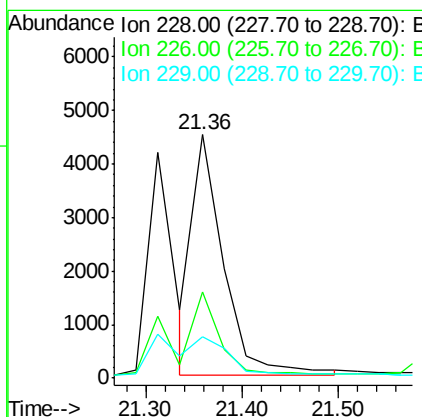
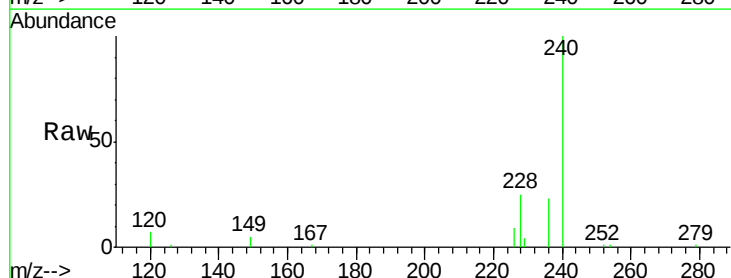
RT: 21.36 min Scan# 1250

Delta R.T. -0.02 min

Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

Tgt Ion:	228	Resp:	10256
Ion Ratio	Lower	Upper	
228	100		
226	35.3	18.9	28.3#
229	17.1	19.1	28.7#





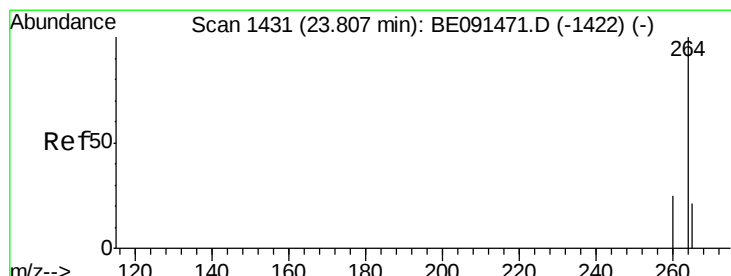
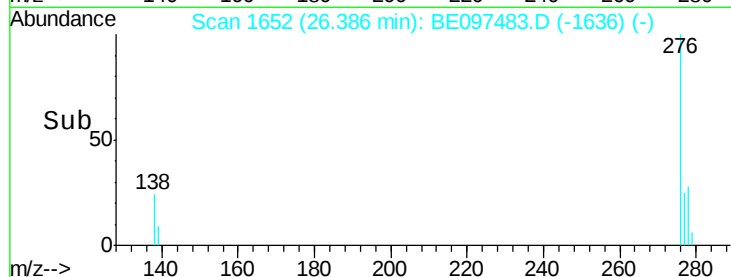
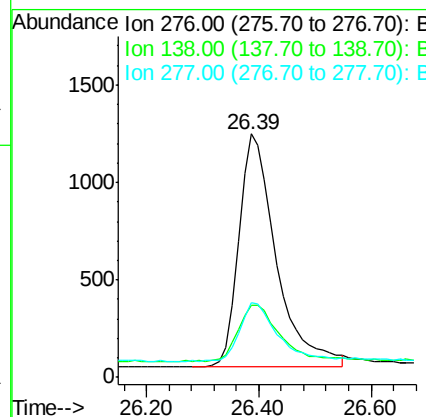
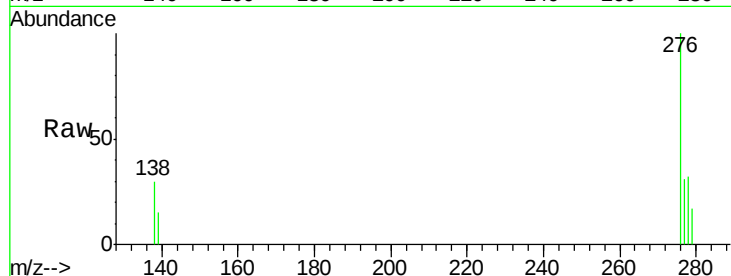
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 26.39 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampleId :

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.0	20.2	30.4
277	26.0	19.8	29.8

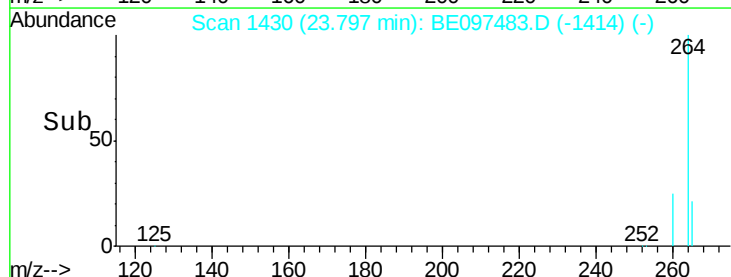
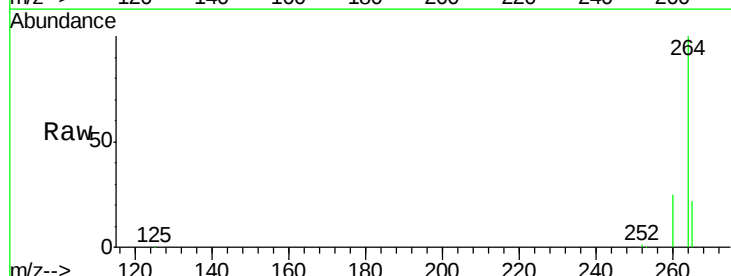
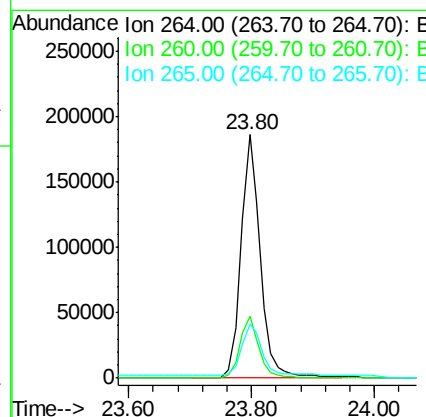
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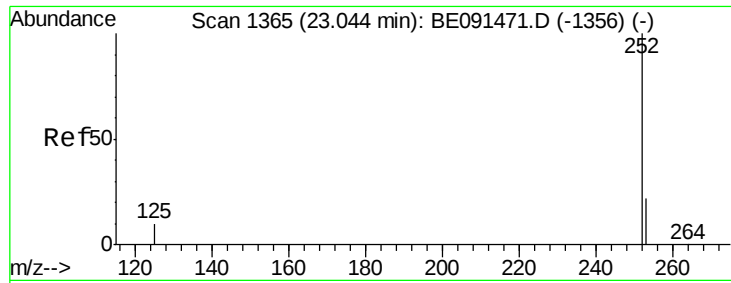
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

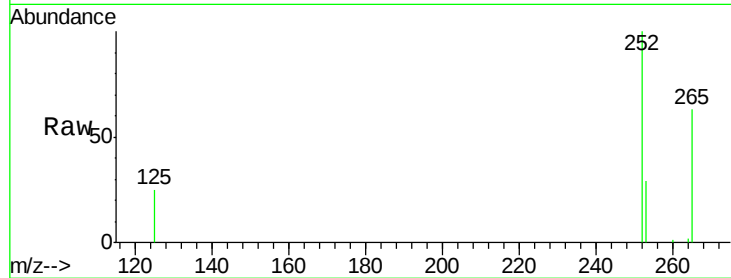
Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.2	20.1	30.1
265	22.5	18.3	27.5





#29
Benzo(b)fluoranthene
Concen: 0.06 ng
RT: 23.03 min Scan# 1364
Delta R.T. -0.01 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

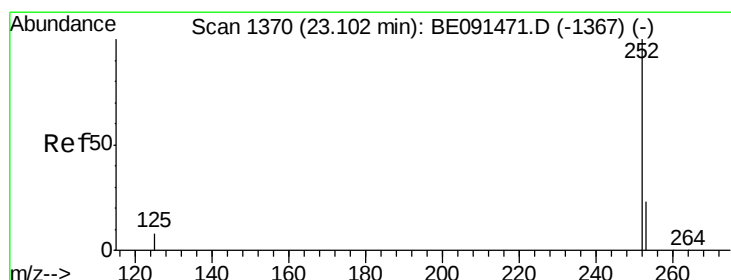
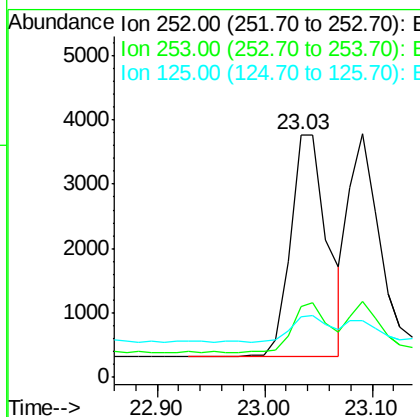
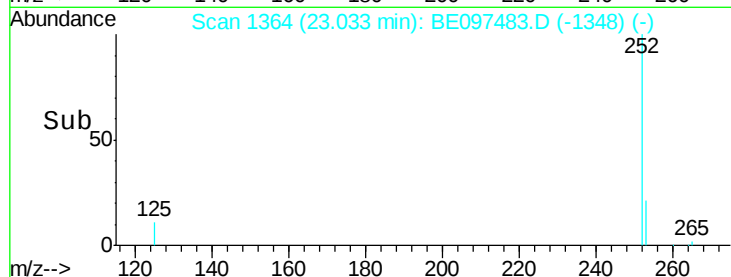
Instrument :
BNA_E
ClientSampleId :



Tgt Ion: 252 Resp: 8257
Ion Ratio Lower Upper
252 100
253 29.4 18.7 28.1#
125 24.8 9.8 14.6#

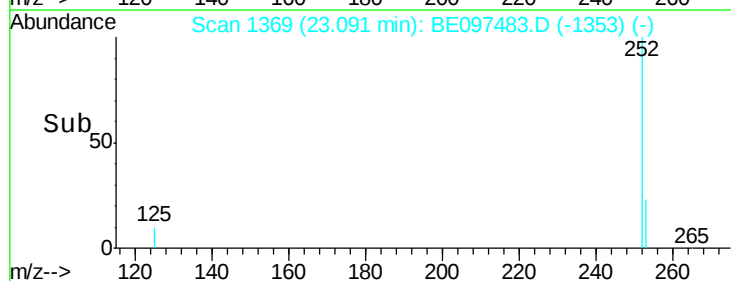
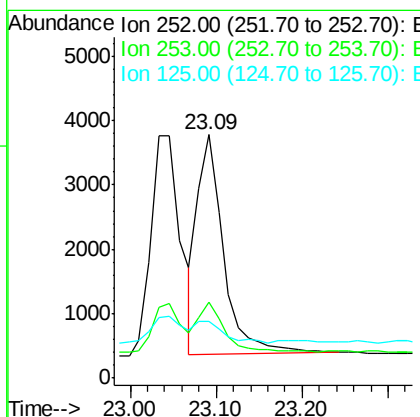
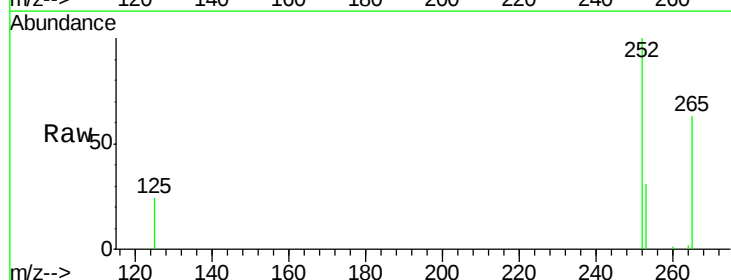
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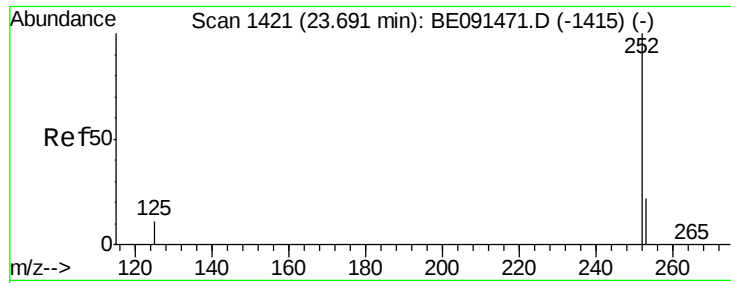
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#30
Benzo(k)fluoranthene
Concen: 0.05 ng
RT: 23.09 min Scan# 1369
Delta R.T. -0.01 min
Lab File: BE097483.D
Acq: 18 Mar 2016 14:02

Tgt Ion: 252 Resp: 7245
Ion Ratio Lower Upper
252 100
253 31.0 20.2 30.4#
125 23.5 9.4 14.2#





#31

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.68 min Scan# 1420

Delta R.T. -0.01 min

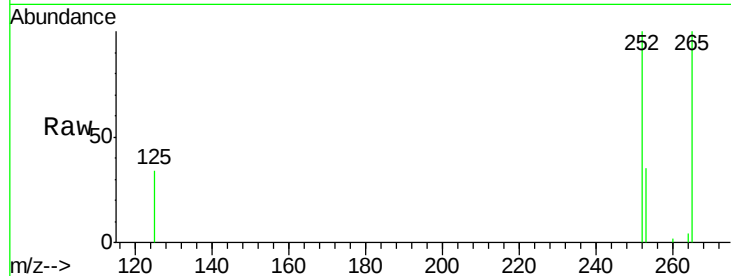
Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

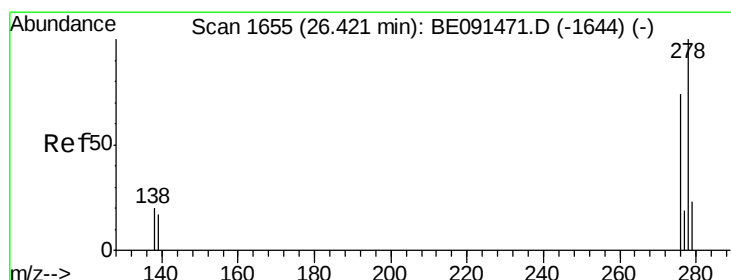
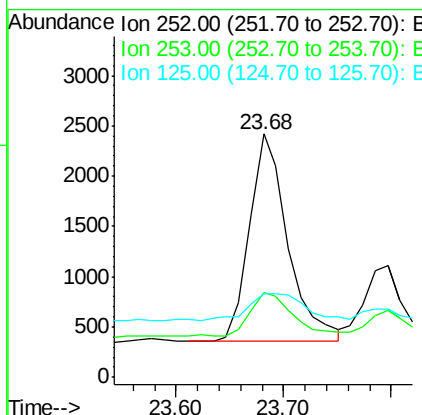
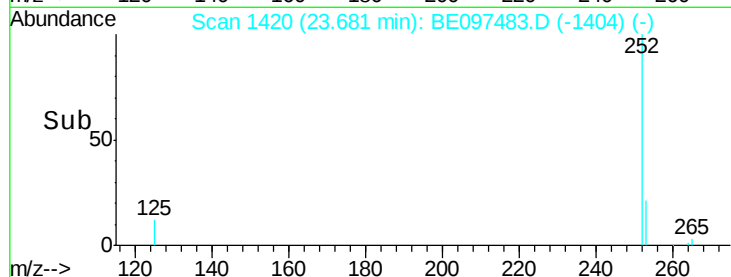
ClientSampleId :



Tgt Ion:	252	Resp:	5156
Ion Ratio	Lower	Upper	
252	100		
253	34.7	19.4	29.0#
125	34.3	11.4	17.2#

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#32

Dibenzo(a,h)anthracene

Concen: 0.04 ng

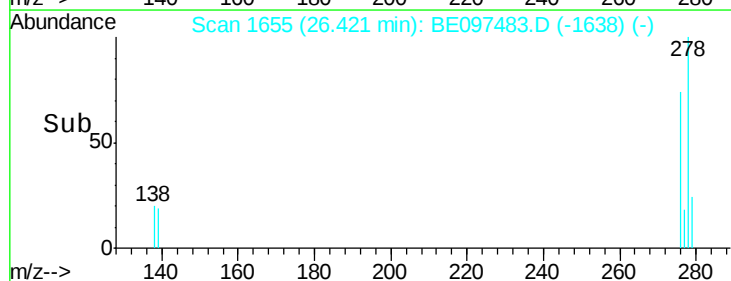
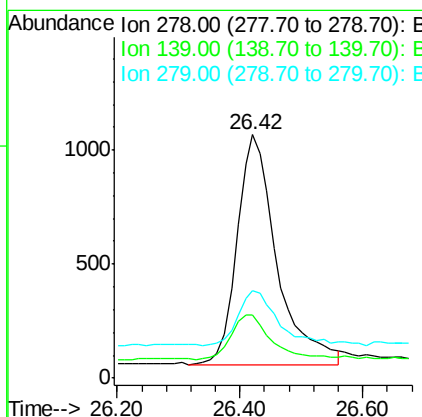
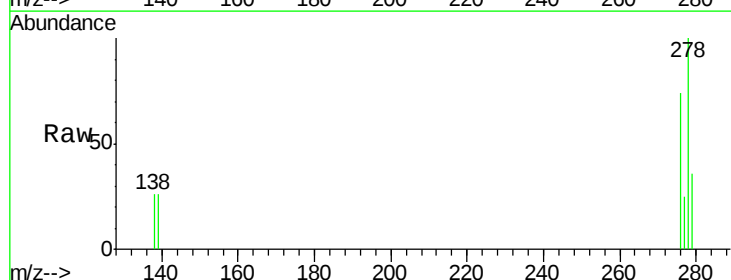
RT: 26.42 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE097483.D

Acq: 18 Mar 2016 14:02

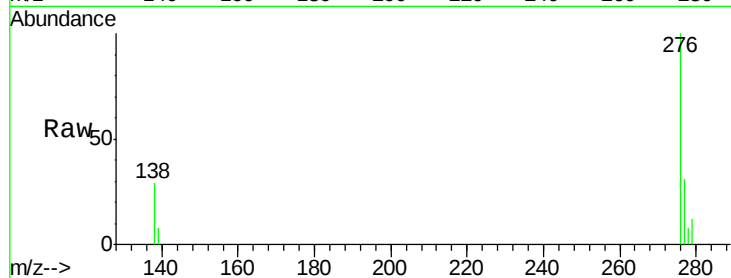
Tgt Ion:	278	Resp:	4550
Ion Ratio	Lower	Upper	
278	100		
139	25.7	14.2	21.4#
279	35.9	19.6	29.4#





#33
 Benzo(g,h,i)perylene
 Concen: 0.04 ng
 RT: 27.18 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: BE097483.D
 Acq: 18 Mar 2016 14:02

Instrument :
 BNA_E
 ClientSampleId :



Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		5159		
277	30.6	19.4	29.2#		
138	29.0	18.2	27.4#		

Manual Integrations
 APPROVED

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

