

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
 Data File : BE091483.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 :
 MDL-03-W

Manual Integrations
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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

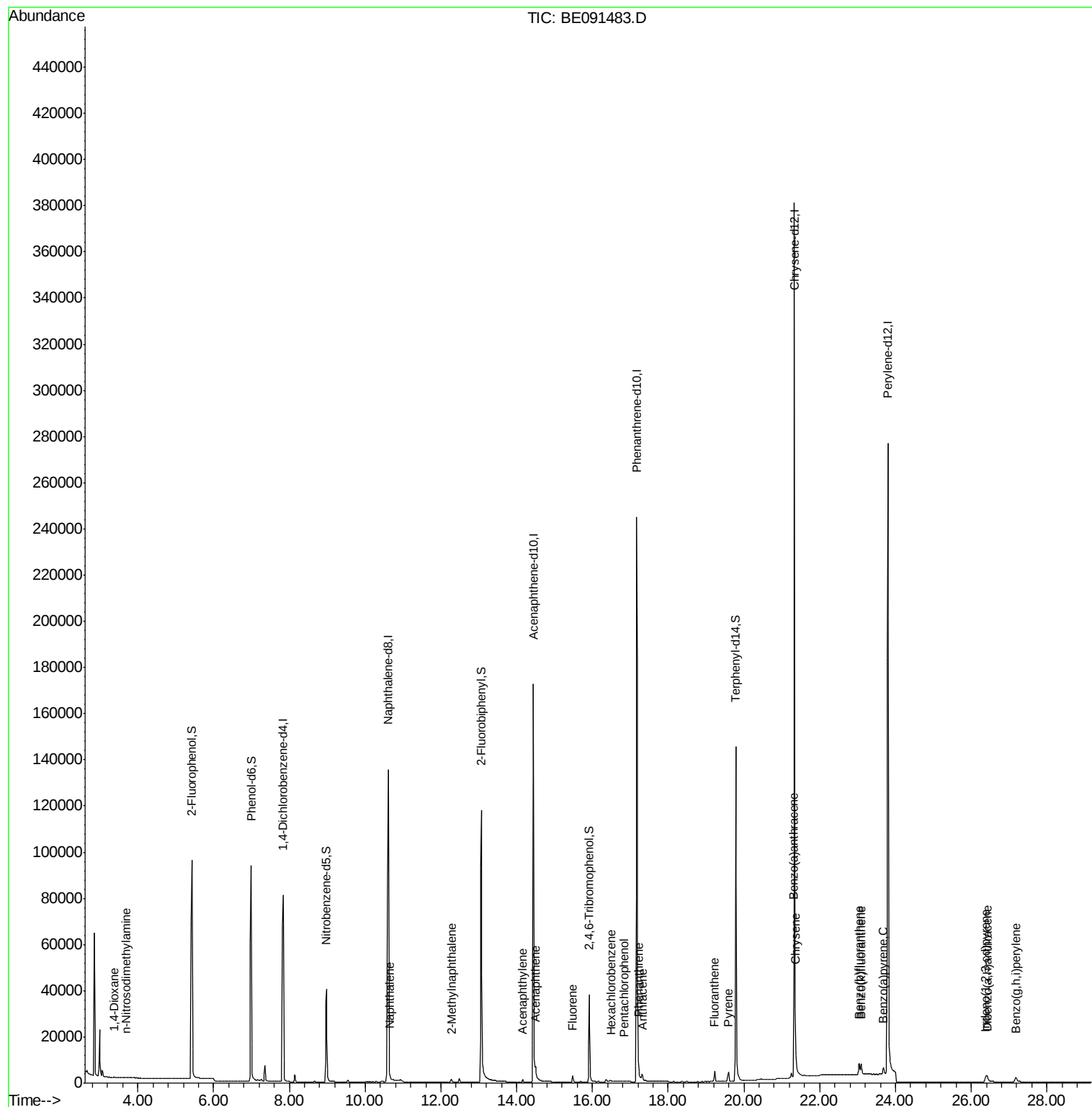
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
Data File : BE091483.D
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Operator : UM/SJ
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Manual Integrations
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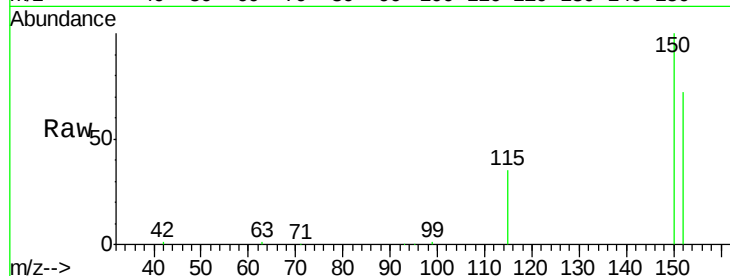
Quant Time: Mar 18 14:41:04 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 14:14:30 2016
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.84 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: BE091483.D
 Acq: 18 Mar 2016 14:02

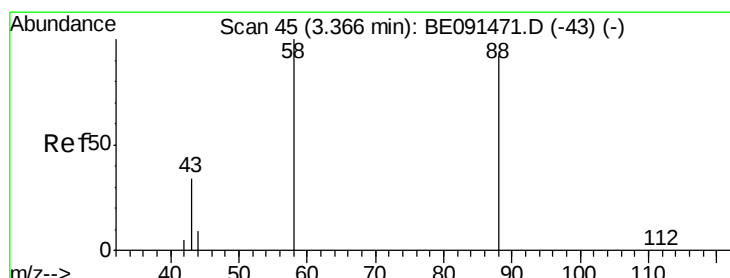
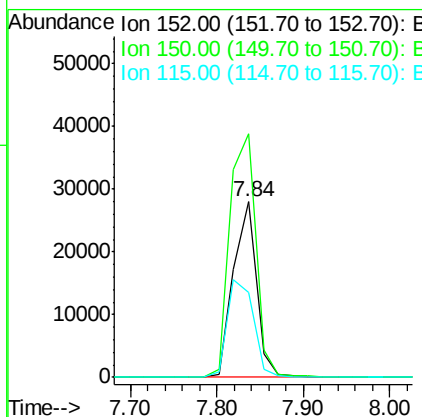
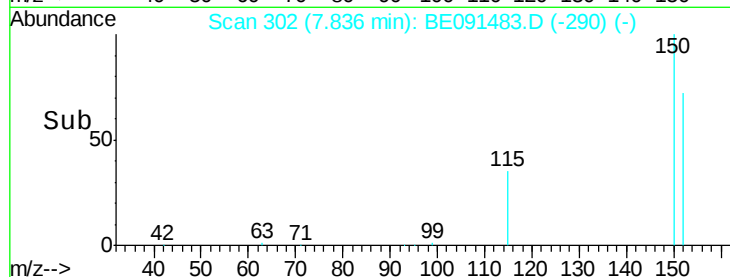
Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-W



Tgt Ion: 152 Resp: 51915
 Ion Ratio Lower Upper
 152 100
 150 138.6 122.2 183.2
 115 48.0 45.9 68.9

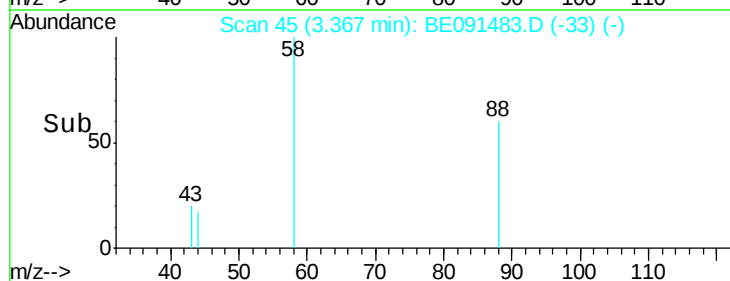
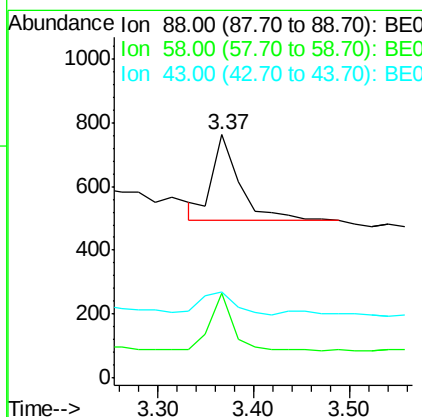
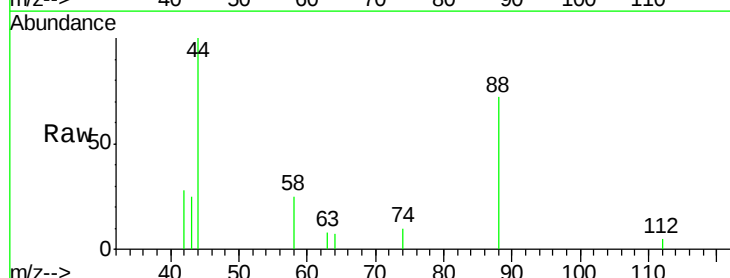
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#2
 1,4-Dioxane
 Concen: 0.08 ng
 RT: 3.37 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE091483.D
 Acq: 18 Mar 2016 14:02

Tgt Ion: 88 Resp: 528
 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: BE091483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

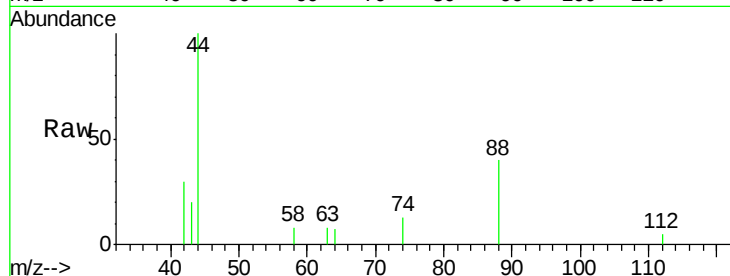
ClientSampleId :

MDL-03-W

Tgt Ion:	42	Resp:	204
Ion	Ratio	Lower	Upper
42	100		
74	0.0	84.3	126.5#
44	0.0	6.7	10.1#

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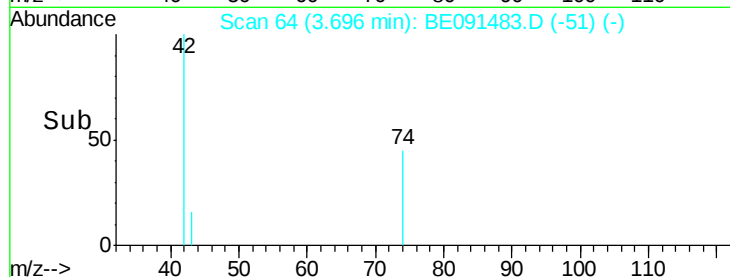


Abundance Ion 42.00 (41.70 to 42.70): BE091471.D (-59) (-)

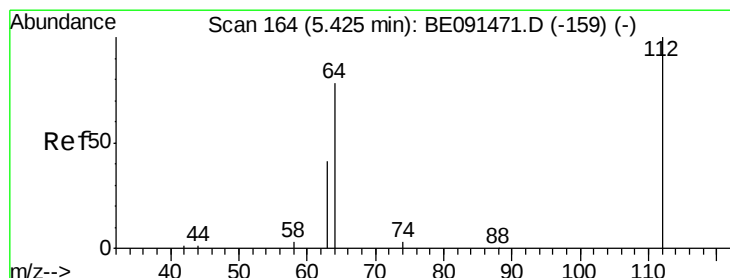
Ion 74.00 (73.70 to 74.70): BE091471.D (-59) (-)

Ion 44.00 (43.70 to 44.70): BE091471.D (-59) (-)

Time-->



Time-->



#4

2-Fluorophenol

Concen: 7.68 ng

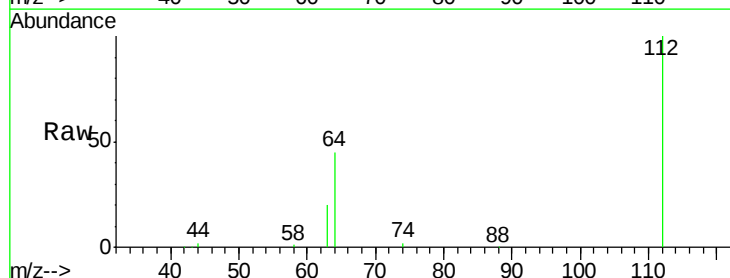
RT: 5.43 min Scan# 164

Delta R.T. 0.00 min

Lab File: BE091483.D

Acq: 18 Mar 2016 14:02

Tgt Ion:	112	Resp:	91637
Ion	Ratio	Lower	Upper
112	100		
64	66.3	53.3	79.9
63	35.8	29.8	44.8

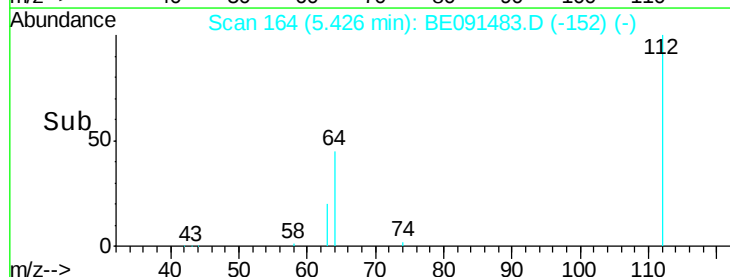


Abundance Ion 112.00 (111.70 to 112.70): BE091471.D (-159) (-)

Ion 64.00 (63.70 to 64.70): BE091471.D (-159) (-)

Ion 63.00 (62.70 to 63.70): BE091471.D (-159) (-)

Time-->



Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

Time-->

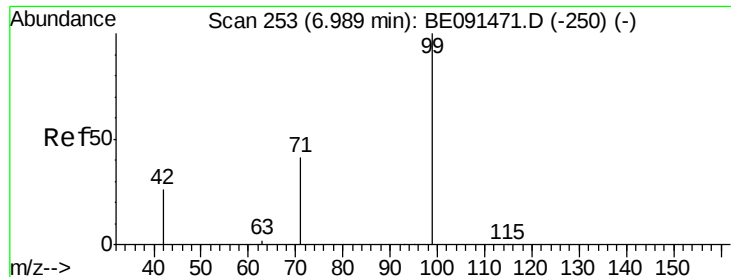
Time-->

Time-->

Time-->

Time-->

Time-->



#5

Phenol-d6

Concen: 7.59 ng

RT: 6.99 min Scan# 253

Delta R.T. -0.00 min

Lab File: BE091483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

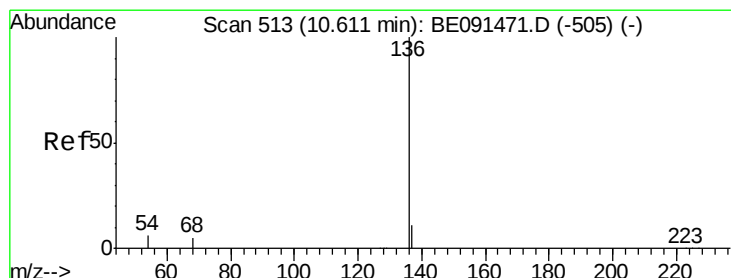
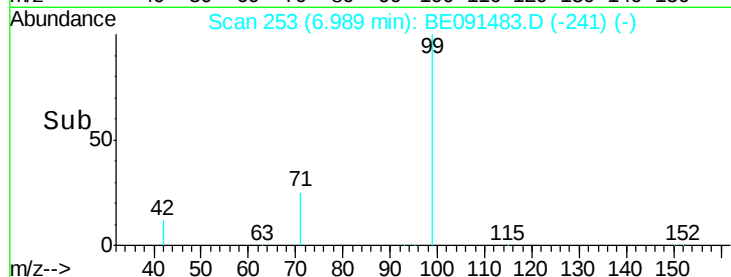
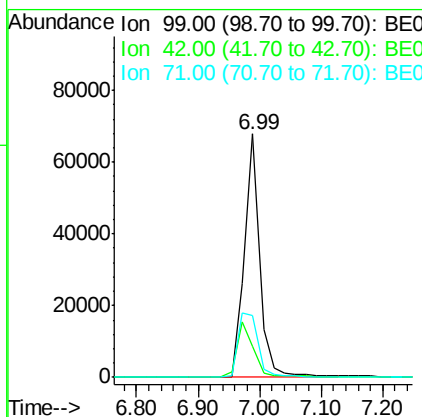
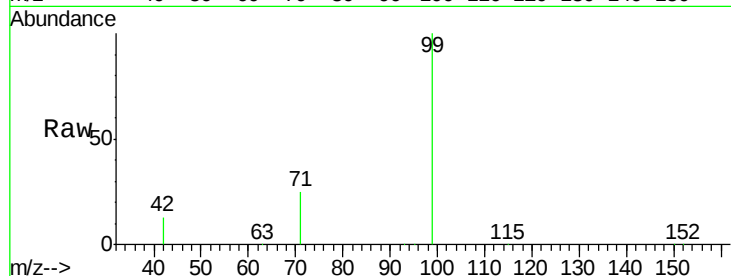
ClientSampleId :

MDL-03-W

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

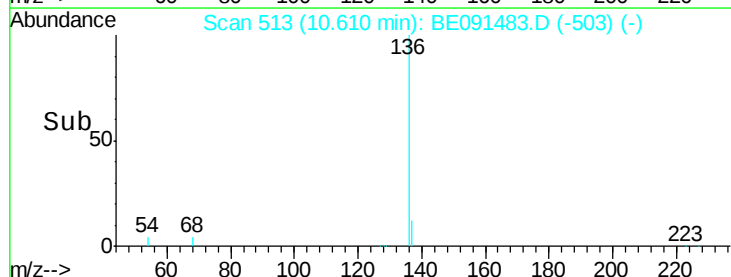
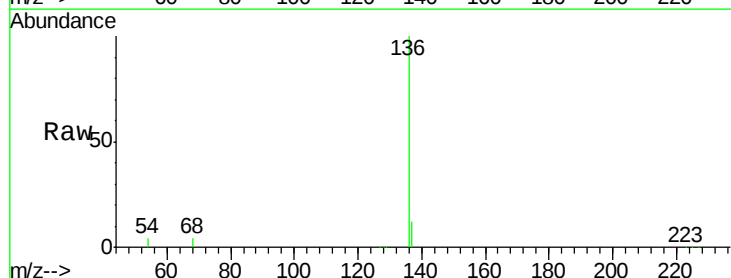
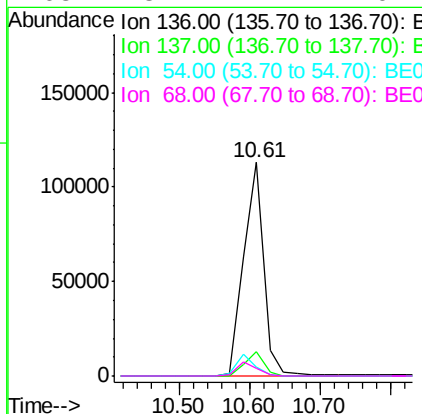
RT: 10.61 min Scan# 513

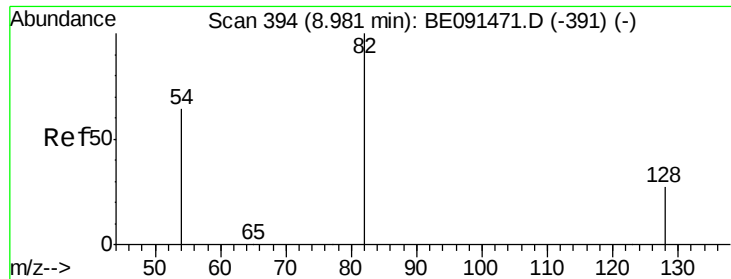
Delta R.T. -0.00 min

Lab File: BE091483.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: BE091483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

ClientSampleId :

MDL-03-W

Tgt Ion: 82 Resp: 40557
Ion Ratio Lower Upper

82 100

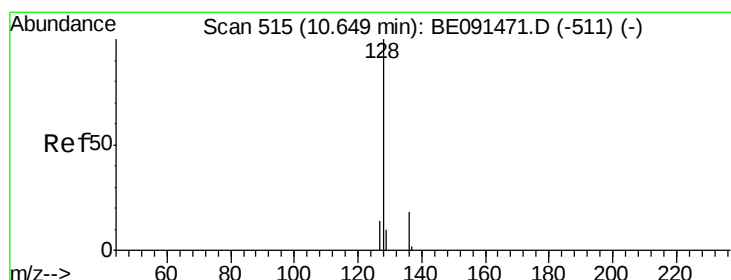
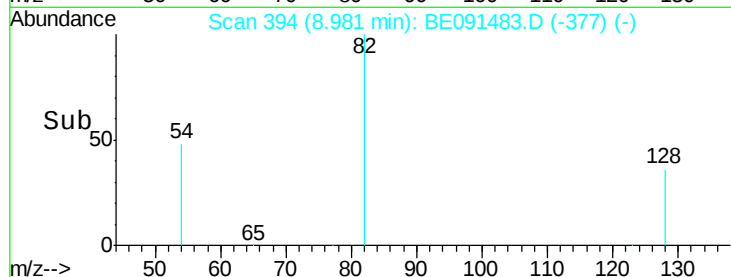
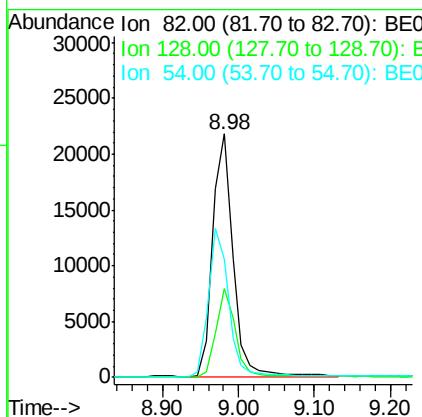
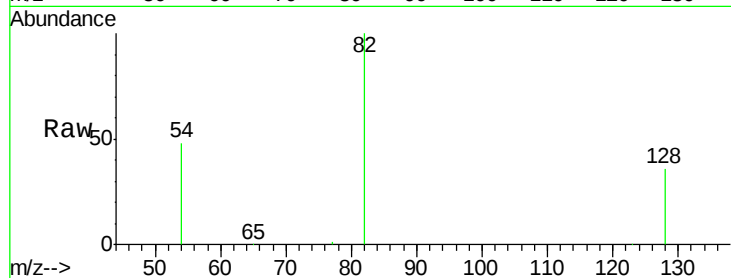
128 36.2 23.5 35.3#

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: BE091483.D

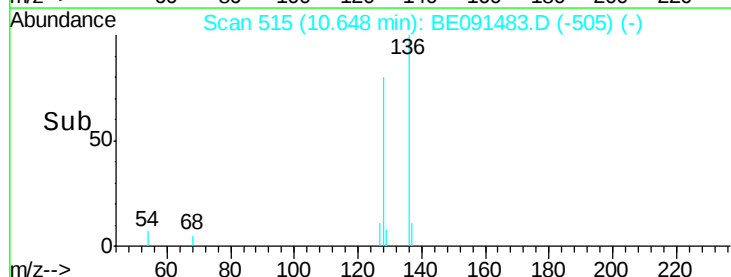
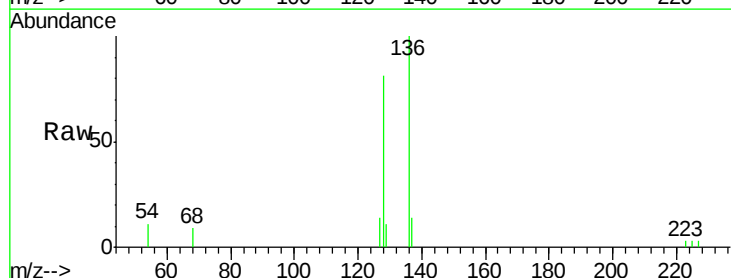
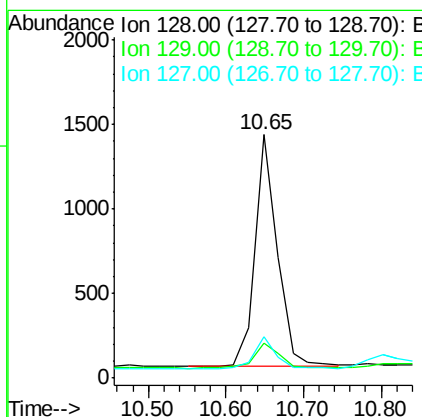
Acq: 18 Mar 2016 14:02

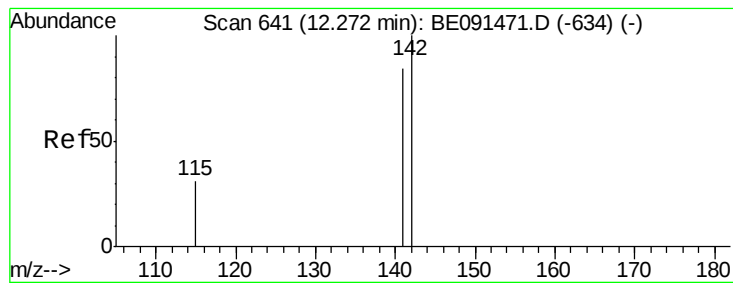
Tgt Ion: 128 Resp: 2757
Ion Ratio Lower Upper

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: BE091483.D

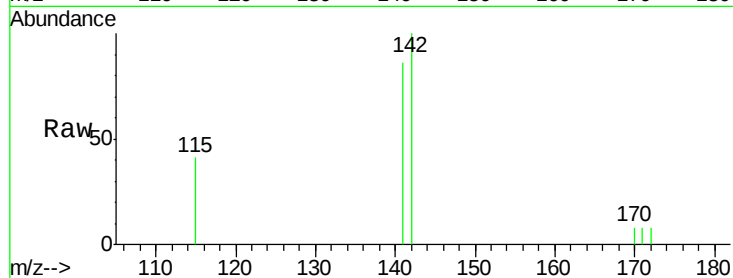
Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

ClientSampleId :

MDL-03-W



Tgt Ion:142 Resp: 1612

Ion Ratio Lower Upper

142 100

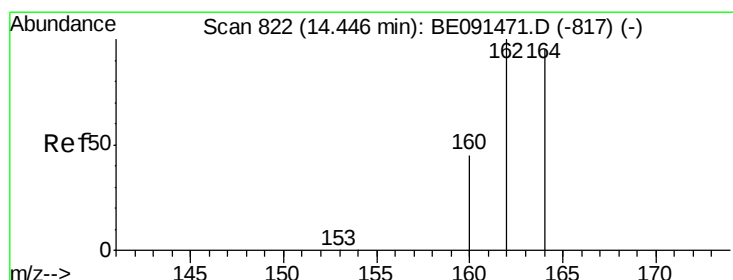
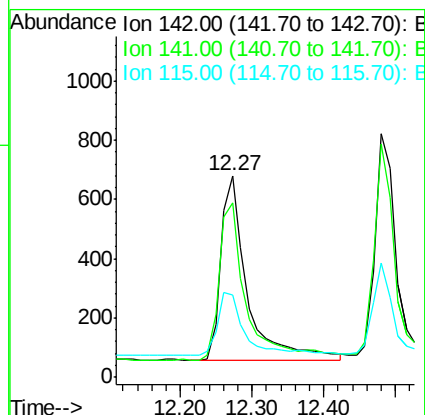
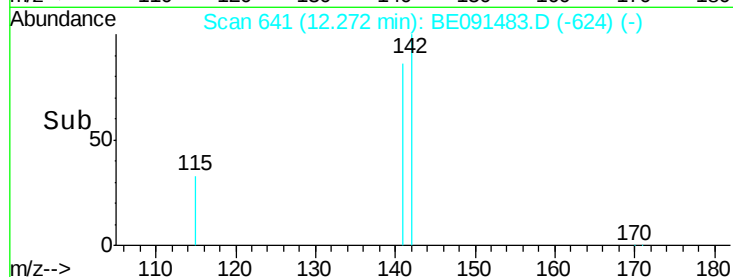
141 86.4 66.9 100.3

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: BE091483.D

Acq: 18 Mar 2016 14:02

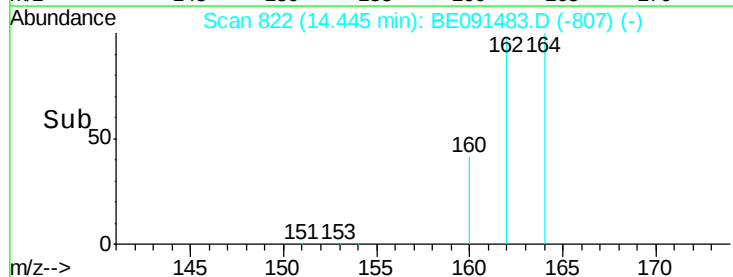
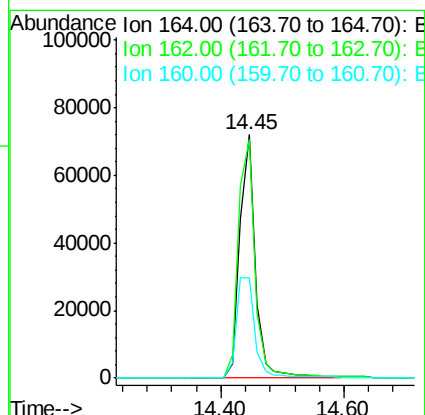
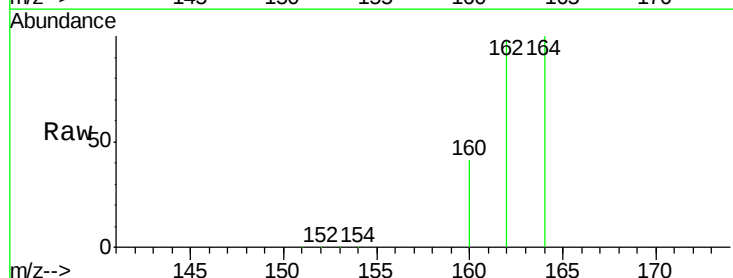
Tgt Ion:164 Resp: 127116

Ion Ratio Lower Upper

164 100

162 98.0 84.4 126.6

160 41.4 37.7 56.5





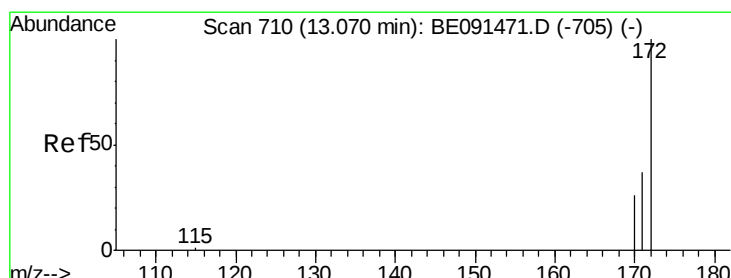
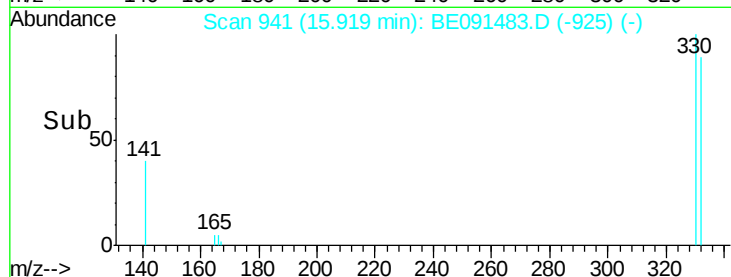
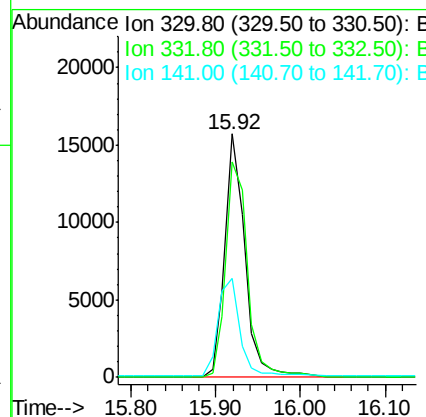
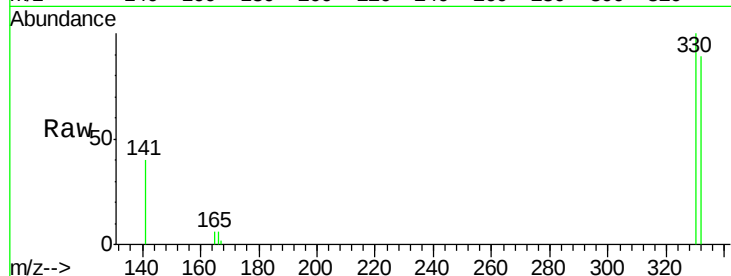
#11
 2,4,6-Tribromophenol
 Concen: 6.56 ng
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE091483.D
 Acq: 18 Mar 2016 14:02

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-W

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

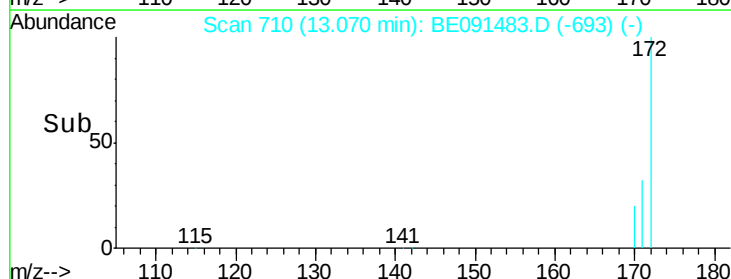
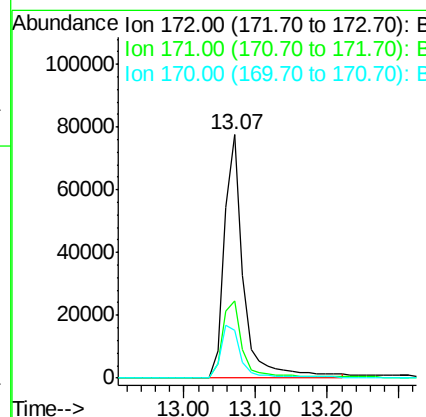
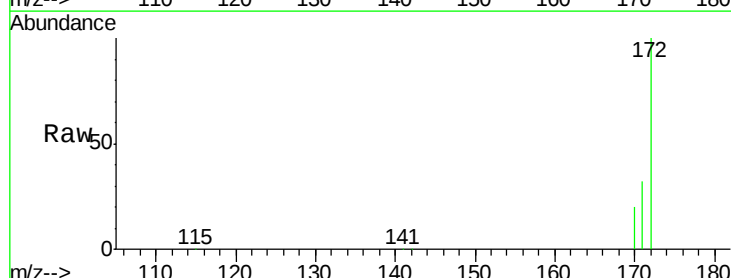
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#12
 2-Fluorobiphenyl
 Concen: 4.52 ng
 RT: 13.07 min Scan# 710
 Delta R.T. 0.00 min
 Lab File: BE091483.D
 Acq: 18 Mar 2016 14:02

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





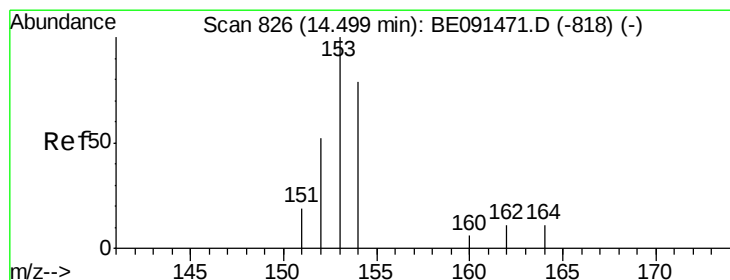
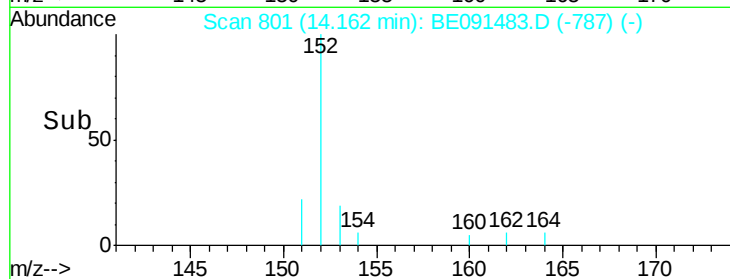
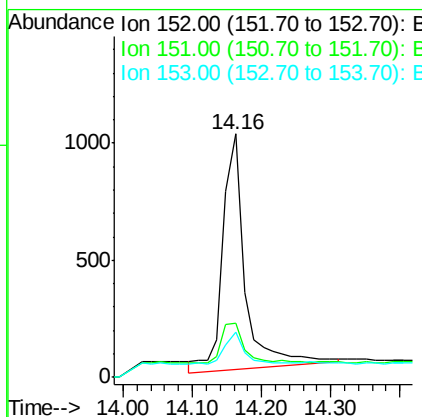
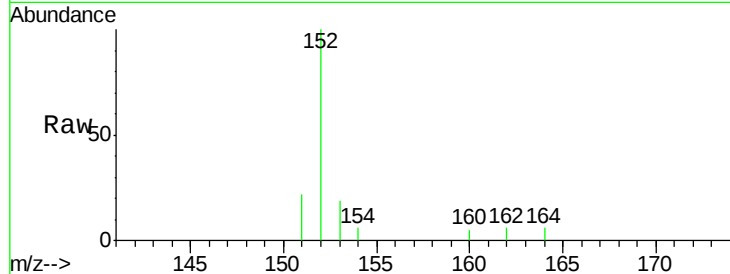
#13
Acenaphthylene
Concen: 0.17 ng
RT: 14.16 min Scan# 801
Delta R.T. 0.00 min
Lab File: BE091483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

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

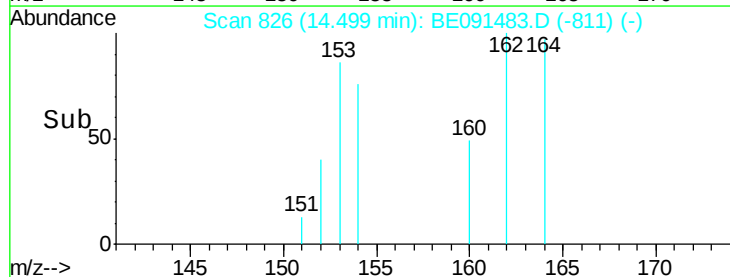
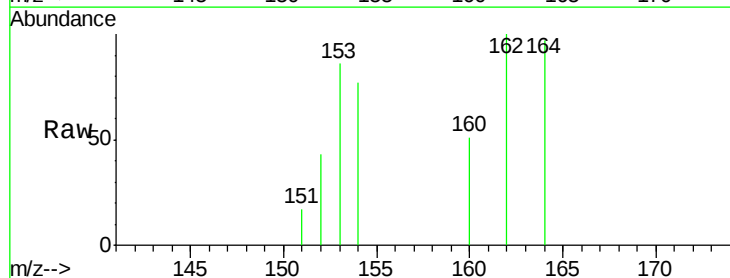
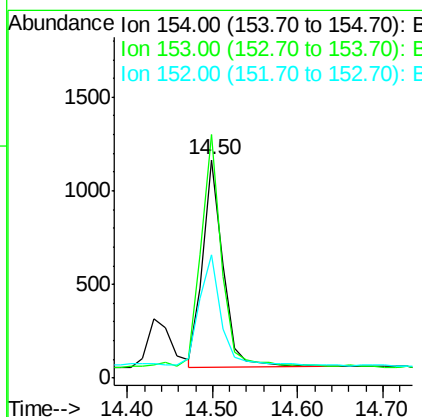
Manual Integrations
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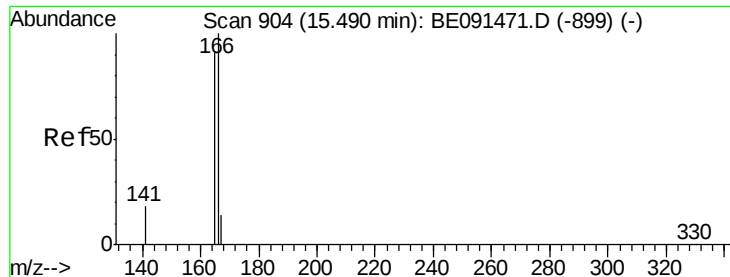
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#14
Acenaphthene
Concen: 0.05 ng
RT: 14.50 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE091483.D
Acq: 18 Mar 2016 14:02

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: BE091483.D

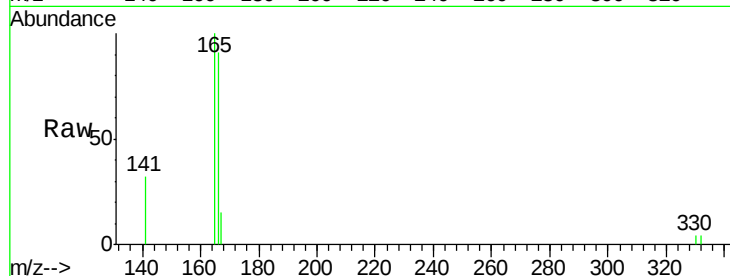
Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

ClientSampleId :

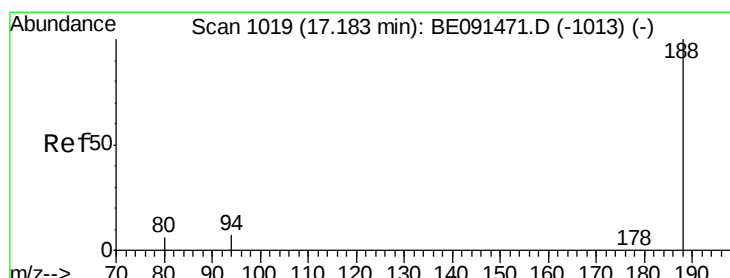
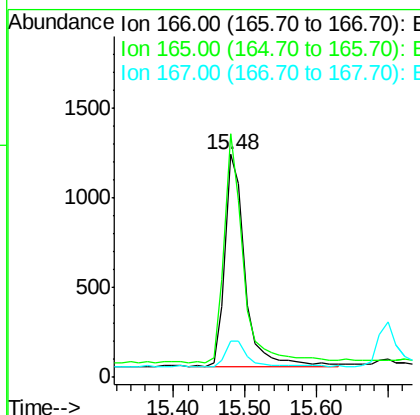
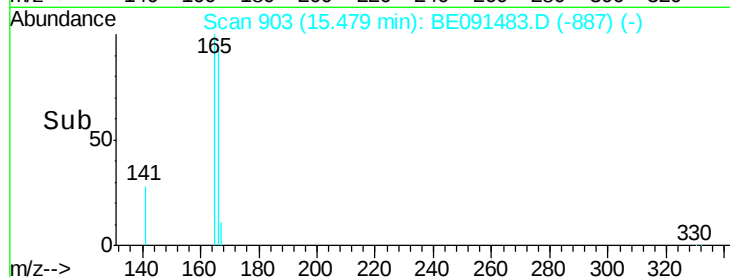
MDL-03-W



Tgt Ion:	166	Resp:	2288
Ion Ratio	Lower	Upper	
166	100		
165	102.9	79.2	118.8
167	13.5	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

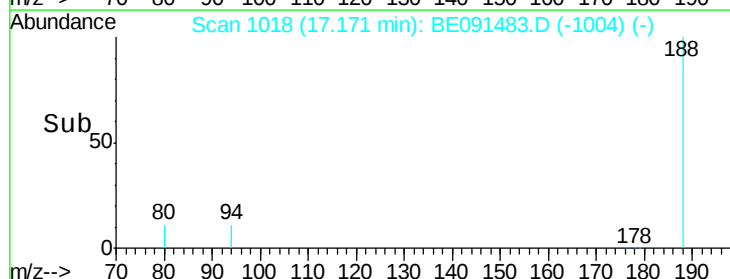
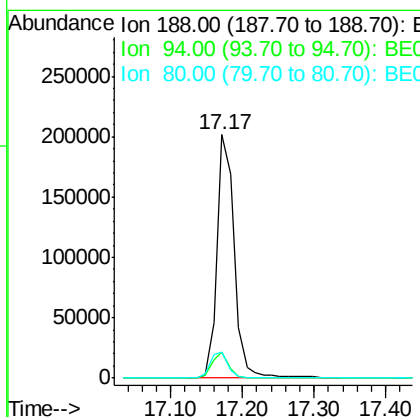
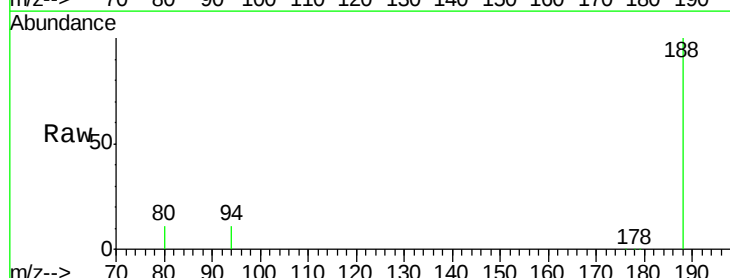
RT: 17.17 min Scan# 1018

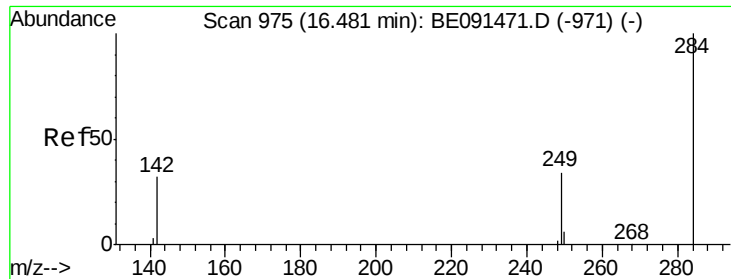
Delta R.T. -0.01 min

Lab File: BE091483.D

Acq: 18 Mar 2016 14:02

Tgt Ion:	188	Resp:	337279
Ion Ratio	Lower	Upper	
188	100		
94	10.7	5.4	8.2#
80	10.6	5.0	7.4#





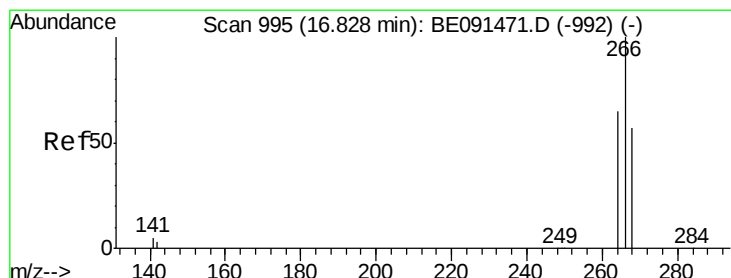
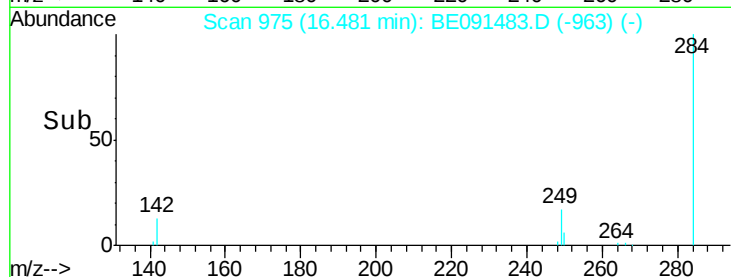
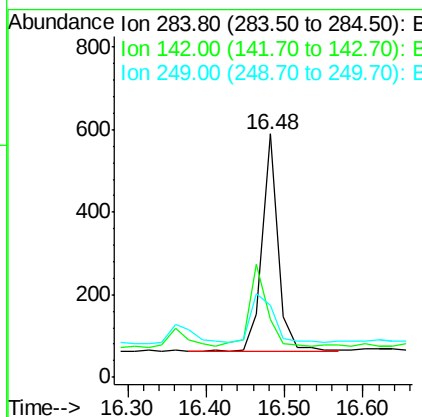
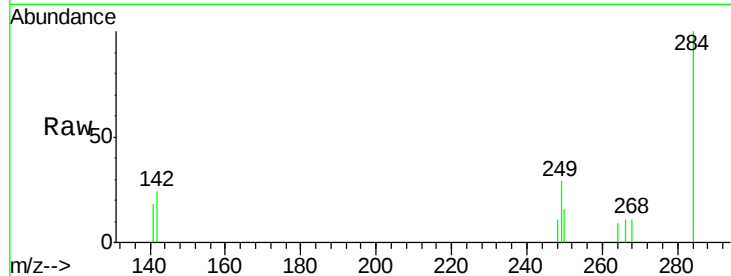
#17
Hexachlorobenzene
Concen: 0.05 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.00 min
Lab File: BE091483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

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

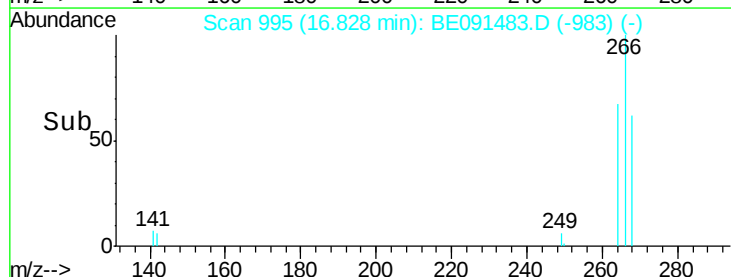
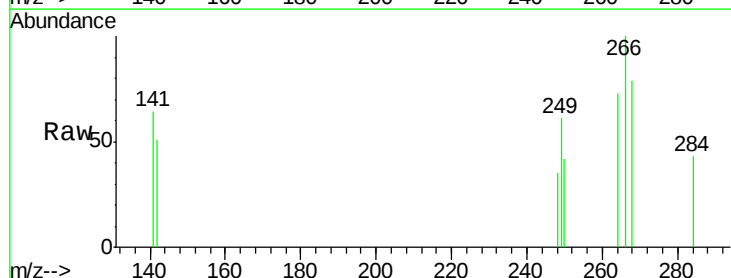
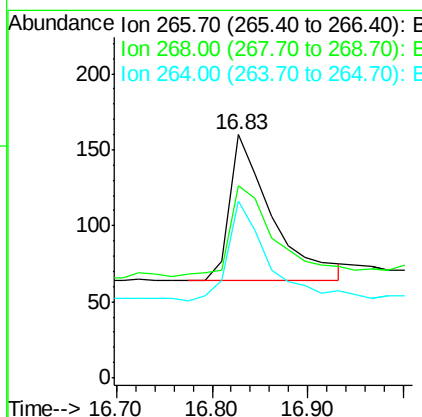
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#18
Pentachlorophenol
Concen: 0.24 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091483.D
Acq: 18 Mar 2016 14:02

Tgt 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: BE091483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

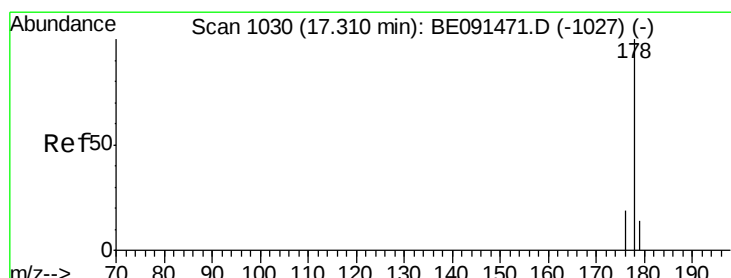
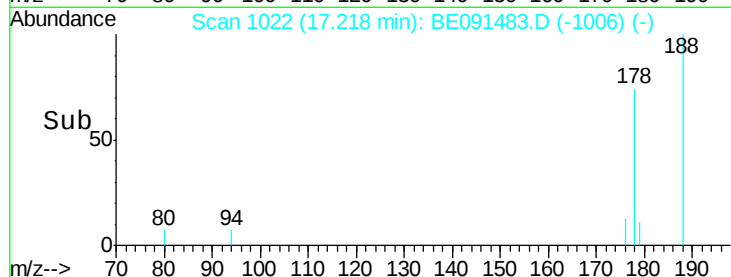
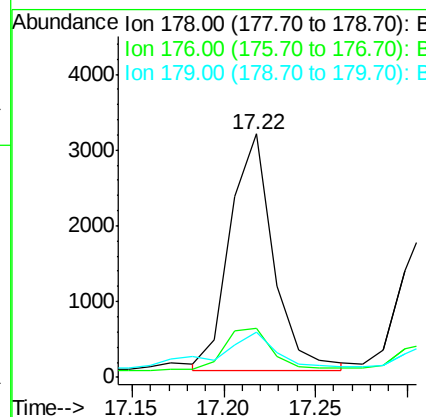
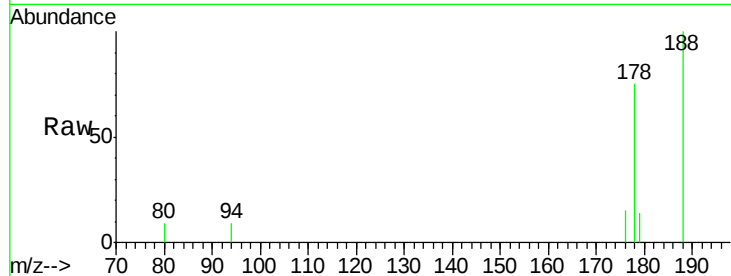
ClientSampleId :

MDL-03-W

Tgt 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

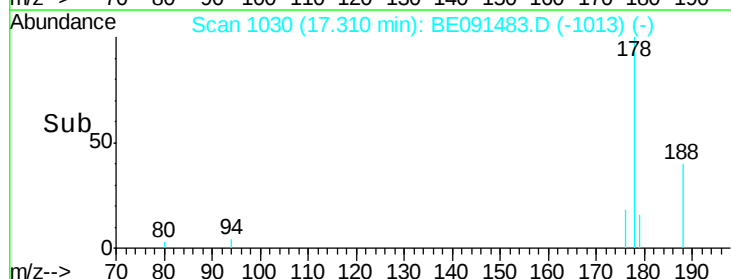
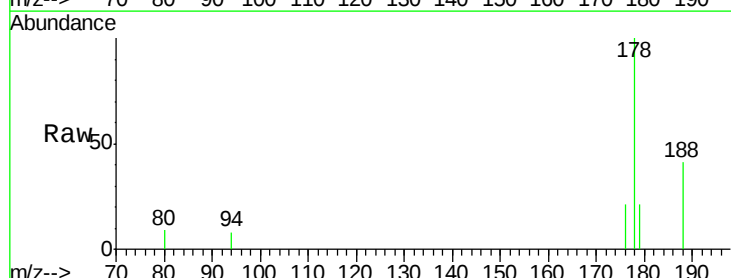
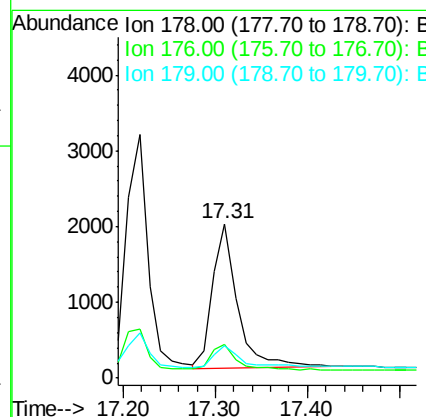
RT: 17.31 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BE091483.D

Acq: 18 Mar 2016 14:02

Tgt 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: BE091483.D

Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

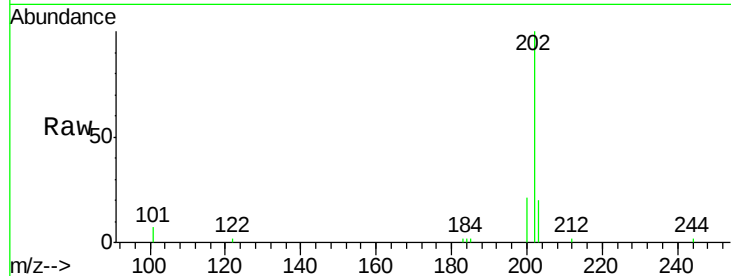
ClientSampleId :

MDL-03-W

Tgt	Ion	202	Resp:	5358
Ion	Ratio	Lower	Upper	
202	100			
101	12.2	8.3	12.5	
203	20.2	13.9	20.9	

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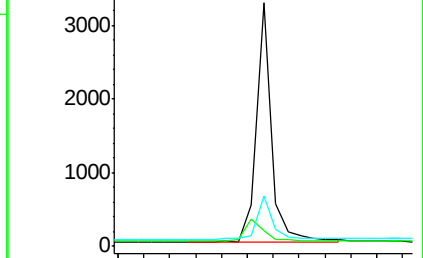
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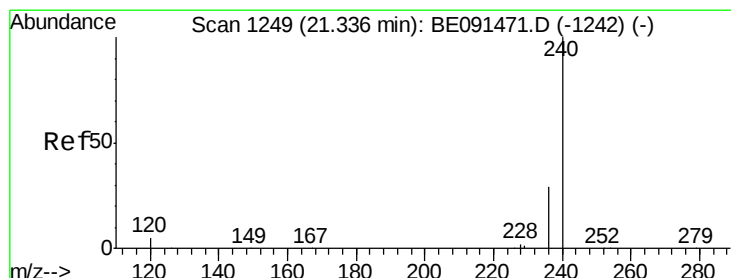
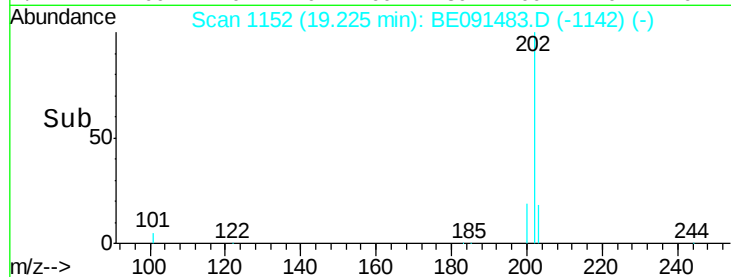
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#22

Chrysene-d12

Concen: 5.00 ng

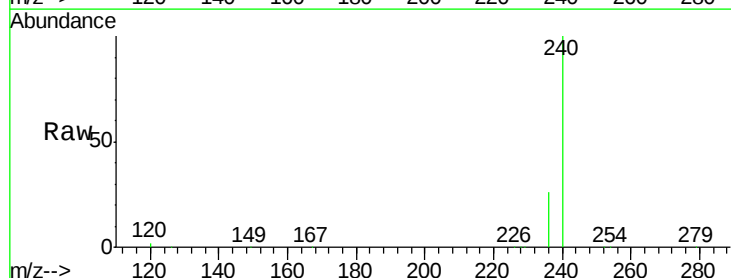
RT: 21.34 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BE091483.D

Acq: 18 Mar 2016 14:02

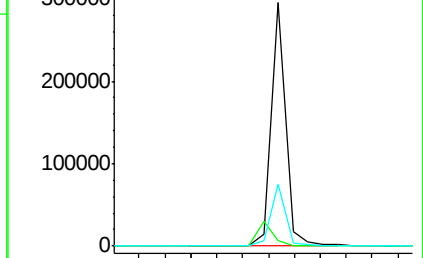
Tgt	Ion	240	Resp:	466094
Ion	Ratio	Lower	Upper	
240	100			
120	2.2	4.0	6.0#	
236	25.5	23.0	34.4	



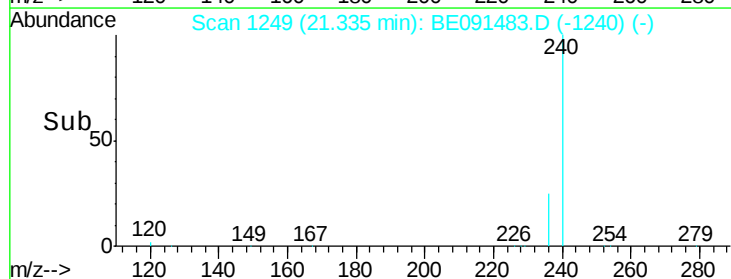
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





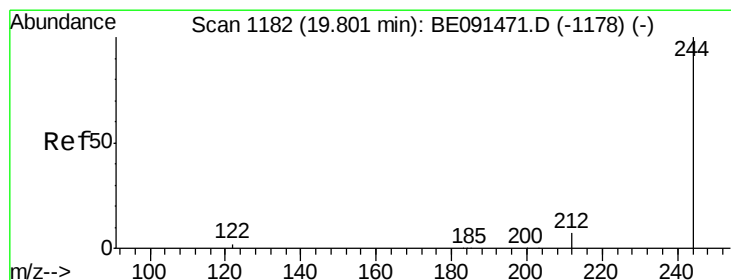
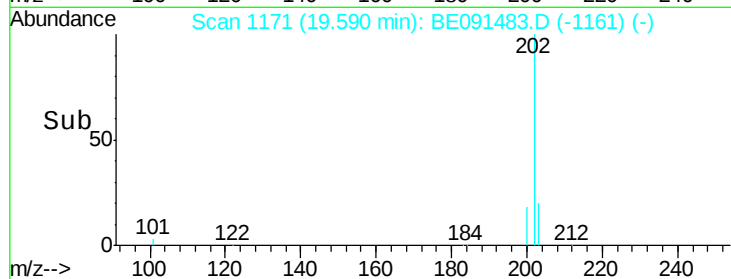
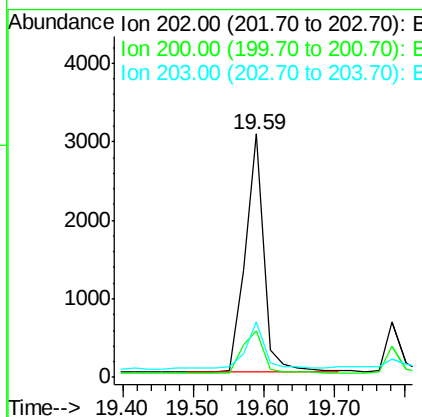
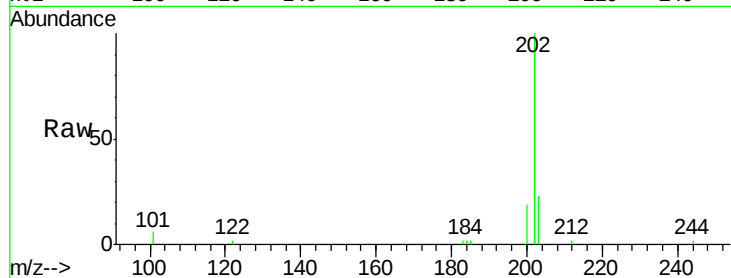
#23
 Pyrene
 Concen: 0.05 ng
 RT: 19.59 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: BE091483.D
 Acq: 18 Mar 2016 14:02

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-W

Tgt Ion:	202	Resp:	5645
Ion Ratio	Lower	Upper	
202	100		
200	20.5	16.4	24.6
203	20.5	14.6	21.8

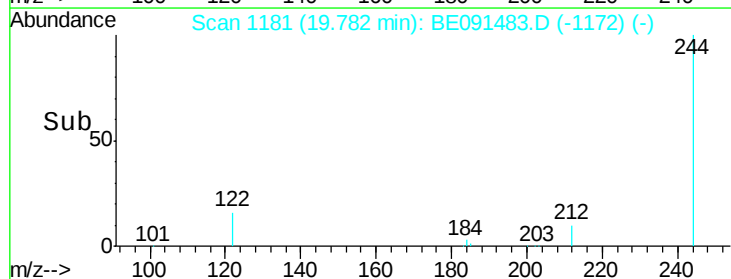
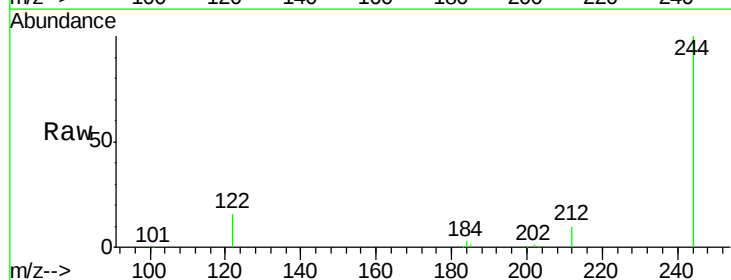
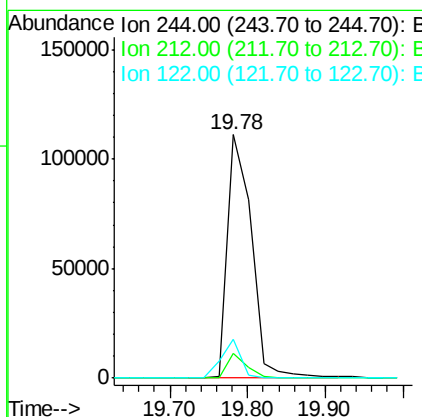
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#24
 Terphenyl-d14
 Concen: 4.25 ng
 RT: 19.78 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BE091483.D
 Acq: 18 Mar 2016 14:02

Tgt Ion:	244	Resp:	238384
Ion Ratio	Lower	Upper	
244	100		
212	10.1	5.8	8.8#
122	15.8	1.8	2.8#





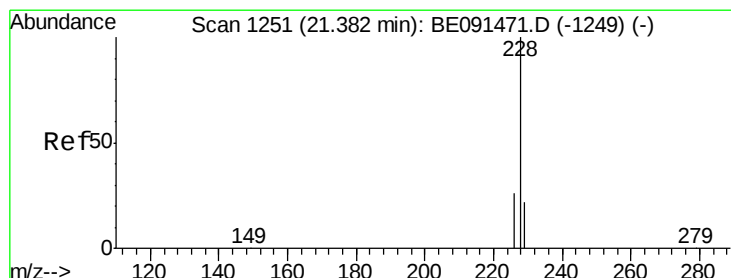
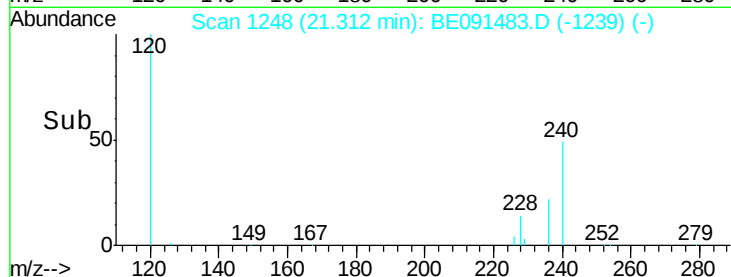
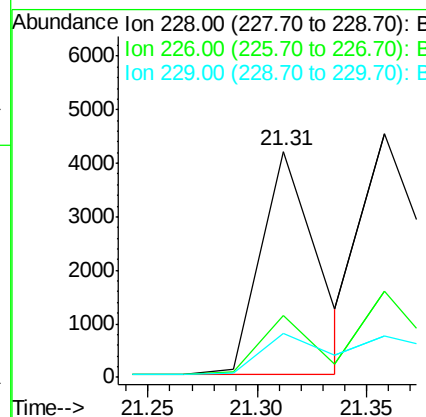
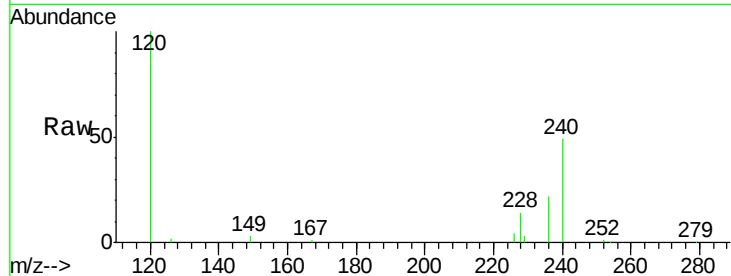
#25
Benzo(a)anthracene
Concen: 0.06 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

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

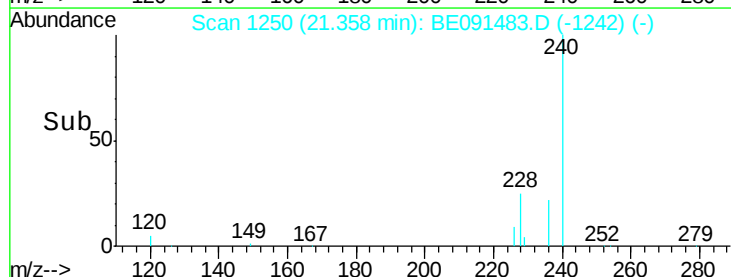
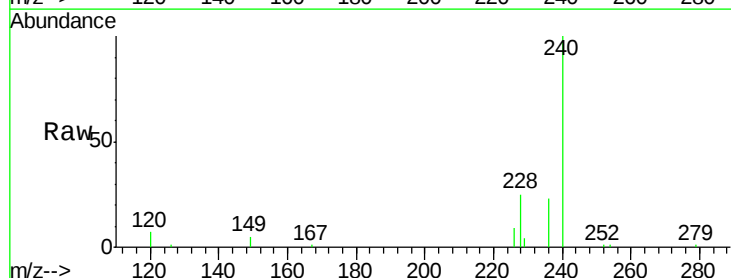
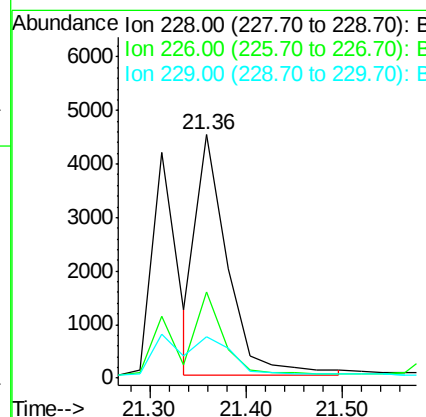
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#26
Chrysene
Concen: 0.08 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE091483.D
Acq: 18 Mar 2016 14:02

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





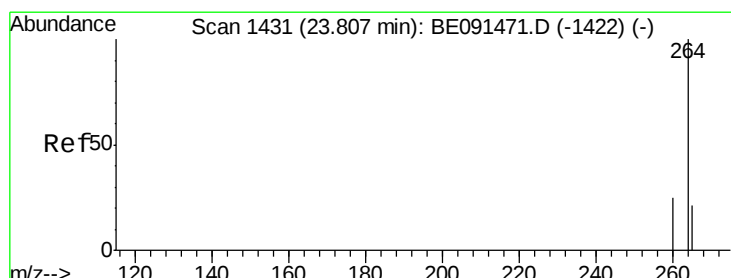
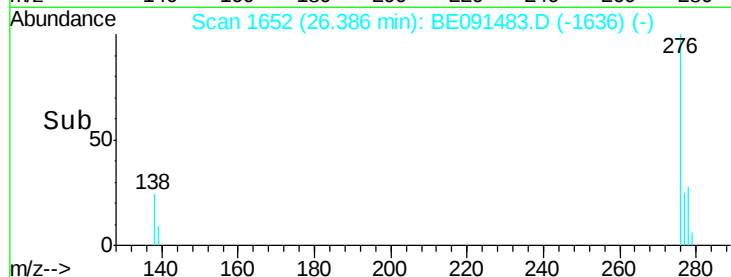
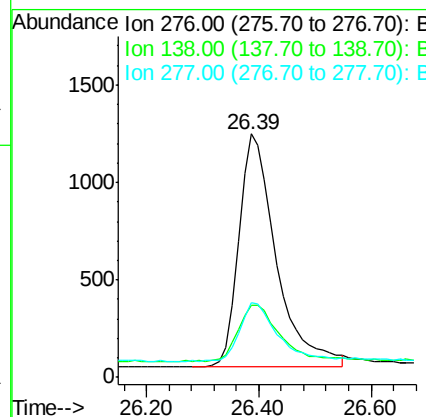
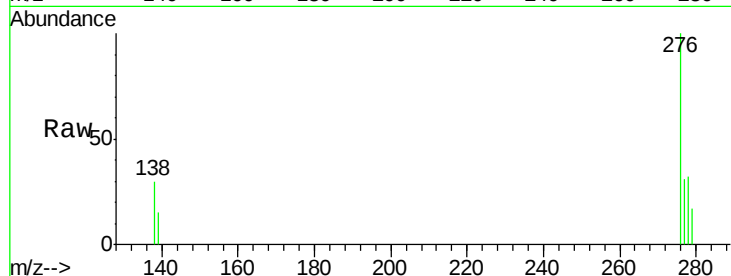
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.04 ng
RT: 26.39 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BE091483.D
Acq: 18 Mar 2016 14:02

Instrument :
BNA_E
ClientSampleId :
MDL-03-W

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

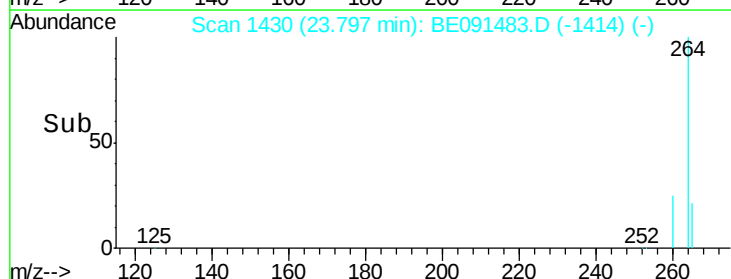
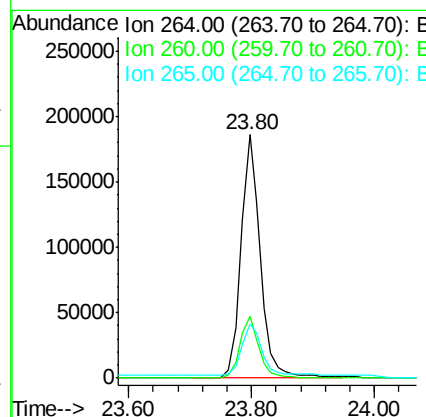
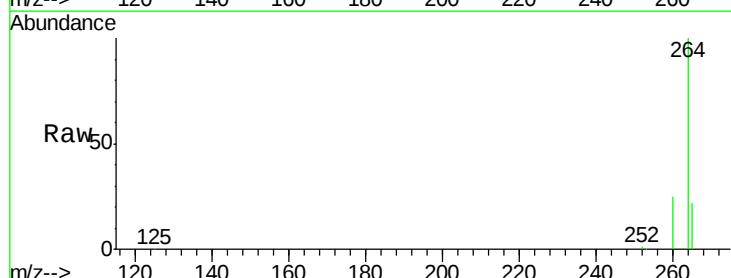
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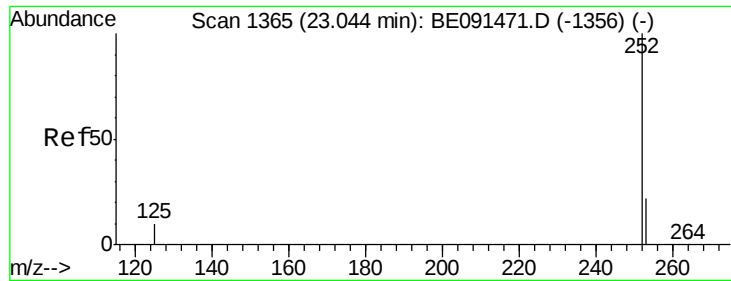
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE091483.D
Acq: 18 Mar 2016 14:02

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: BE091483.D

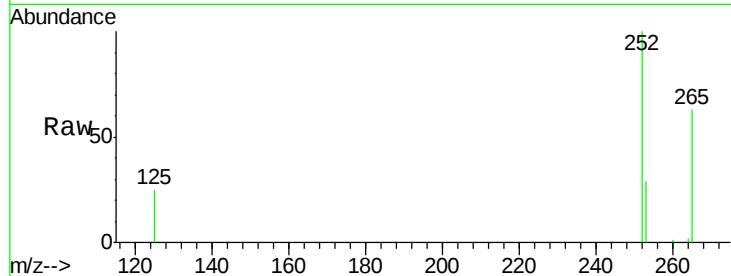
Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

ClientSampleId :

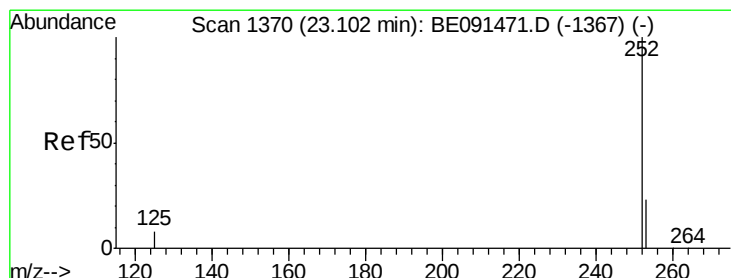
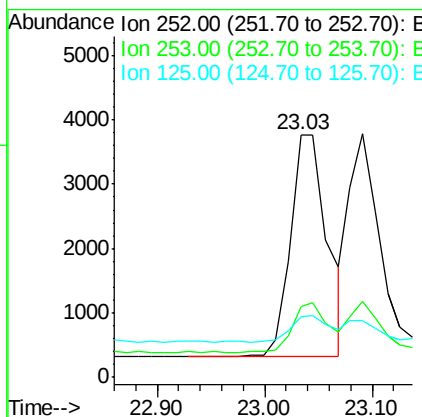
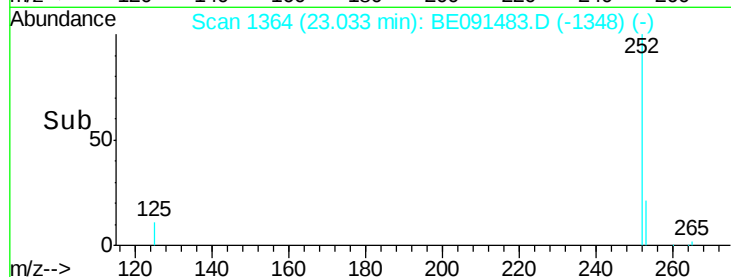
MDL-03-W



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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#30

Benzo(k)fluoranthene

Concen: 0.05 ng

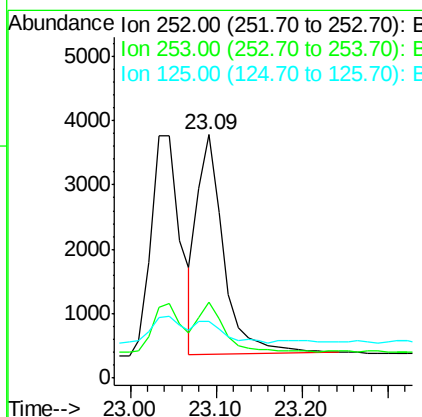
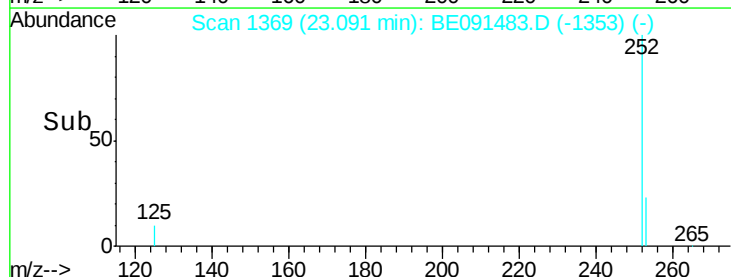
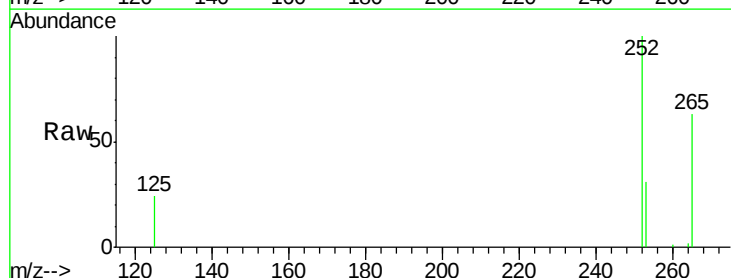
RT: 23.09 min Scan# 1369

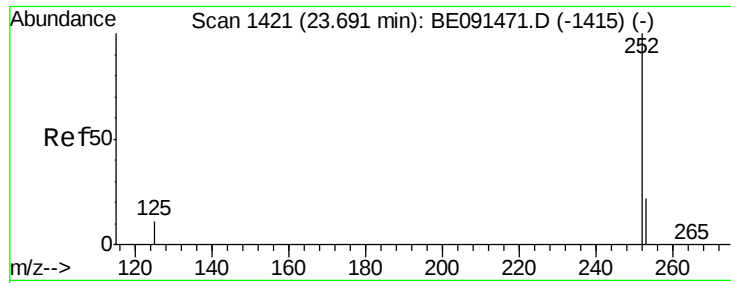
Delta R.T. -0.01 min

Lab File: BE091483.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: BE091483.D

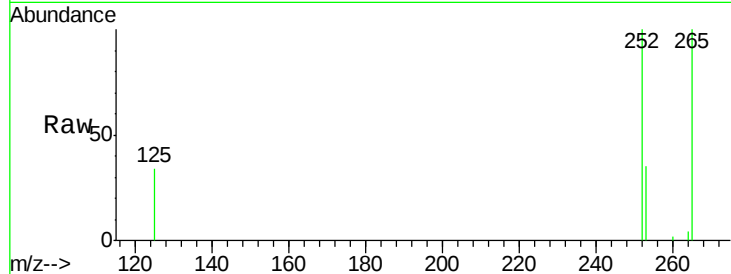
Acq: 18 Mar 2016 14:02

Instrument :

BNA_E

ClientSampleId :

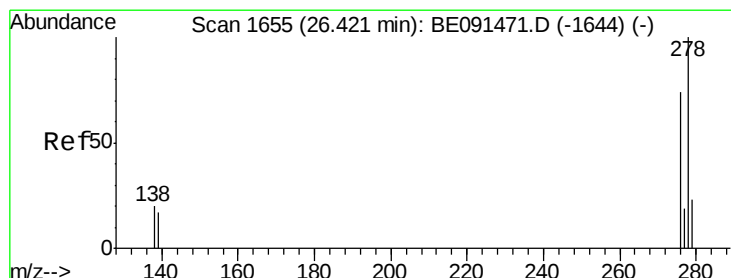
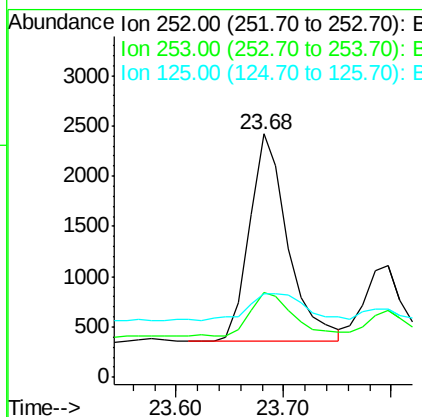
MDL-03-W



Tgt 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

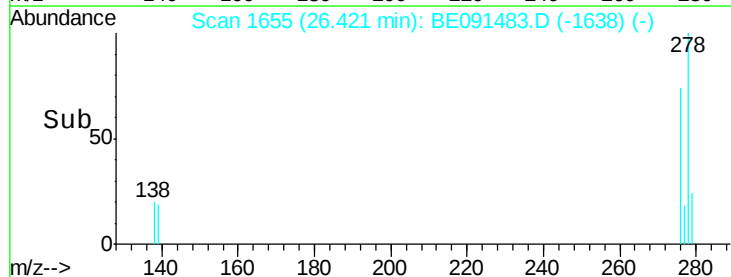
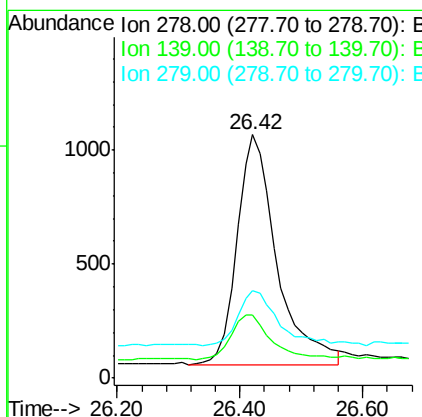
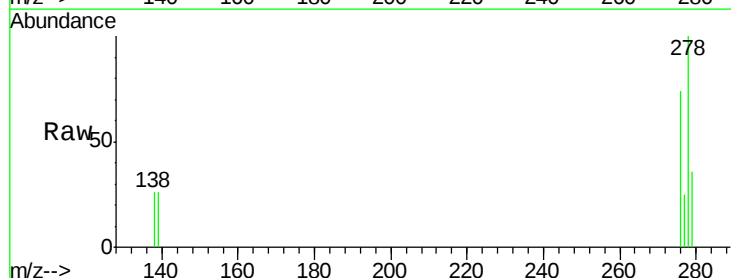
RT: 26.42 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE091483.D

Acq: 18 Mar 2016 14:02

Tgt 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: BE091483.D
 Acq: 18 Mar 2016 14:02

Instrument :
 BNA_E
 ClientSampleId :
 MDL-03-W

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

Manual Integrations
 APPROVED

UMANGI
 3/22/2016 10:48:31 AM

