

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
 Data File : BE091482.D
 Acq On : 18 Mar 2016 13:26
 Operator : UM/SJ
 Sample : MDL-02-W
 Misc : 0.08PPM
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-W

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Quant Time: Mar 18 14:23:32 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	56725	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	235642	5.00	ng	0.00
10) Acenaphthene-d10	14.45	164	126372	5.00	ng	0.00
16) Phenanthrene-d10	17.18	188	335767	5.00	ng	0.00
22) Chrysene-d12	21.33	240	495364	5.00	ng	0.00
28) Perylene-d12	23.80	264	423719	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.42	112	100680	7.72	ng	0.00
5) Phenol-d6	6.99	99	125773	7.39	ng	0.00
7) Nitrobenzene-d5	8.98	82	42078	3.34	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	29861	6.46	ng	0.00
12) 2-Fluorobiphenyl	13.07	172	141705	4.46	ng	0.00
24) Terphenyl-d14	19.78	244	233953	3.93	ng	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	647	0.09	ng	# 81
3) n-Nitrosodimethylamine	3.69	42	340	0.03	ng	# 4
8) Naphthalene	10.65	128	2961	0.05	ng	# 93
9) 2-Methylnaphthalene	12.27	142	1688	0.05	ng	# 93
13) Acenaphthylene	14.16	152	2231	0.17	ng	# 92
14) Acenaphthene	14.50	154	1822	0.05	ng	90
15) Fluorene	15.48	166	2322	0.05	ng	99
17) Hexachlorobenzene	16.48	284	779	0.05	ng	96
18) Pentachlorophenol	16.83	266	329	0.24	ng	# 87
19) Phenanthrene	17.22	178	5056m	0.05	ng	
20) Anthracene	17.31	178	3637	0.04	ng	98
21) Fluoranthene	19.22	202	5609	0.05	ng	99
23) Pyrene	19.59	202	5684	0.05	ng	96
25) Benzo(a)anthracene	21.31	228	7906m	0.06	ng	
26) Chrysene	21.36	228	10670m	0.08	ng	
27) Indeno(1,2,3-cd)pyrene	26.40	276	5918	0.04	ng	98
29) Benzo(b)fluoranthene	23.04	252	8615	0.06	ng	# 80
30) Benzo(k)fluoranthene	23.09	252	7723	0.06	ng	# 84
31) Benzo(a)pyrene	23.68	252	5422	0.05	ng	# 72
32) Dibenzo(a,h)anthracene	26.42	278	4633	0.04	ng	# 78
33) Benzo(g,h,i)perylene	27.19	276	5452	0.05	ng	# 91

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

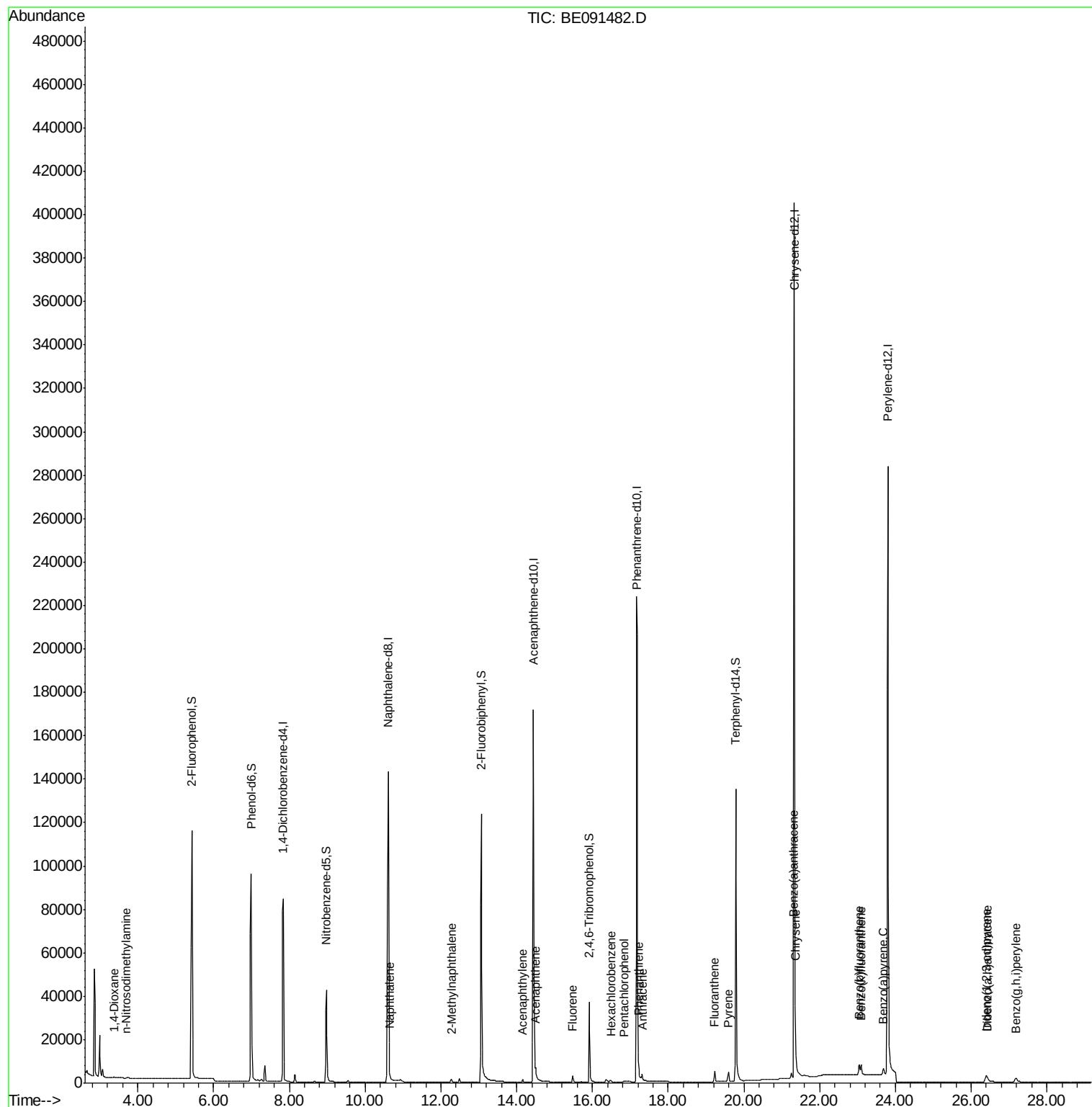
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
Data File : BE091482.D
Acq On : 18 Mar 2016 13:26
Operator : UM/SJ
Sample : MDL-02-W
Misc : 0.08PPM
ALS Vial : 12 Sample Multiplier: 1

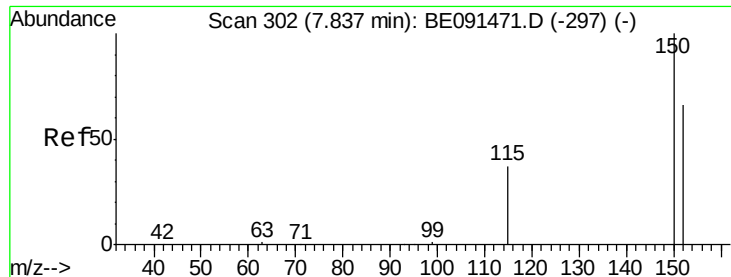
Instrument :
BNA_E
ClientSampleId :
MDL-02-W

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Quant Time: Mar 18 14:23:32 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: BE091482.D

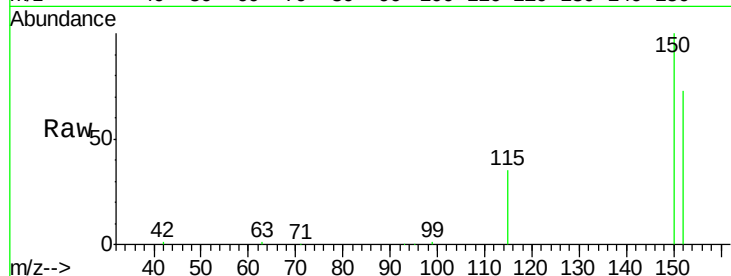
Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

ClientSampled :

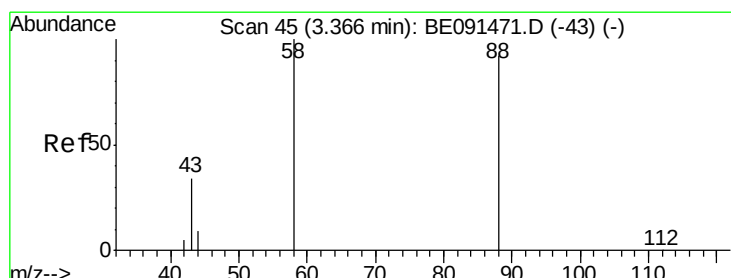
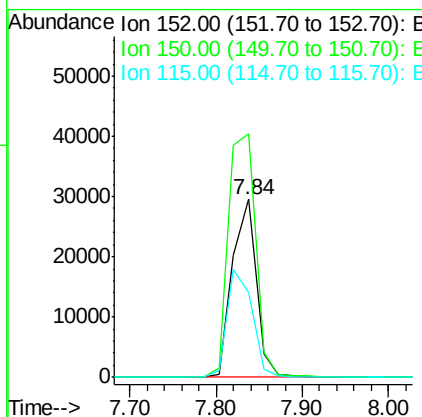
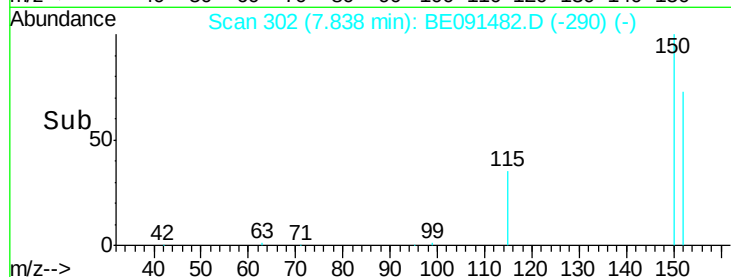
MDL-02-W



Tgt Ion:	152	Resp:	56725
Ion Ratio	Lower	Upper	
152	100		
150	137.0	122.2	183.2
115	47.4	45.9	68.9

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#2

1,4-Dioxane

Concen: 0.09 ng

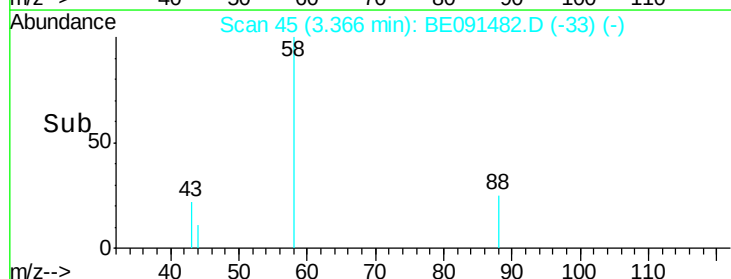
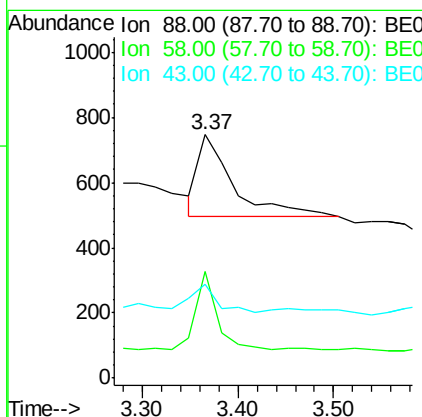
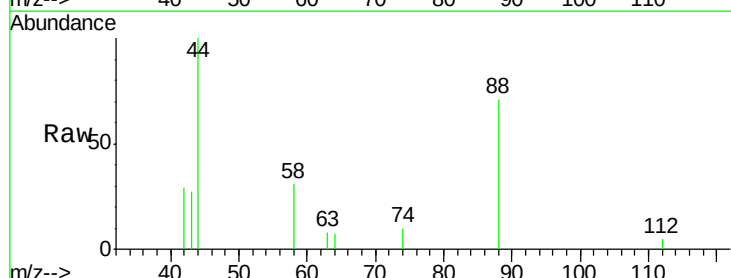
RT: 3.37 min Scan# 45

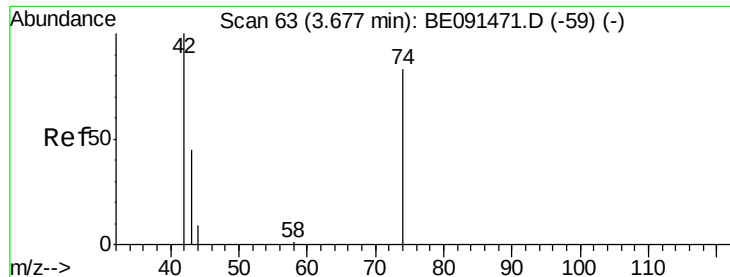
Delta R.T. 0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Tgt Ion:	88	Resp:	647
Ion Ratio	Lower	Upper	
88	100		
58	57.7	61.0	91.6#
43	24.9	25.4	38.2#





#3

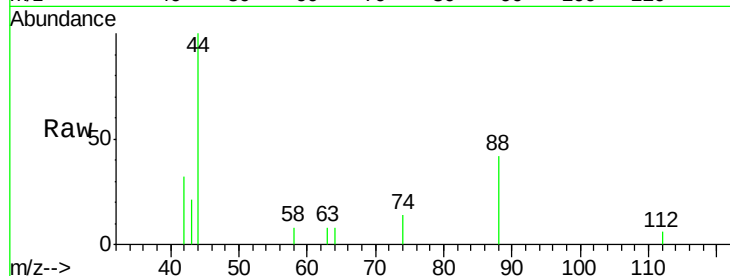
n-Nitrosodimethylamine
Concen: 0.03 ng
RT: 3.69 min Scan# 64
Delta R.T. 0.02 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

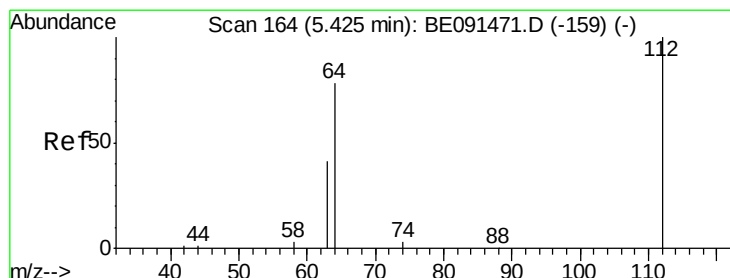
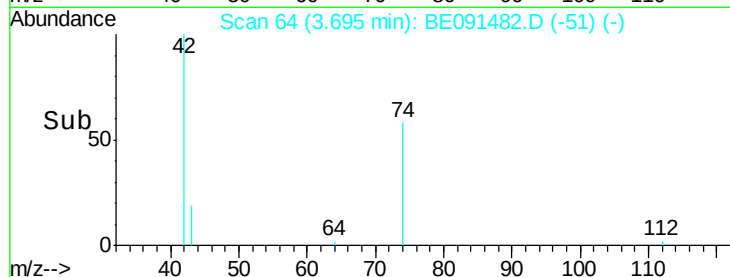
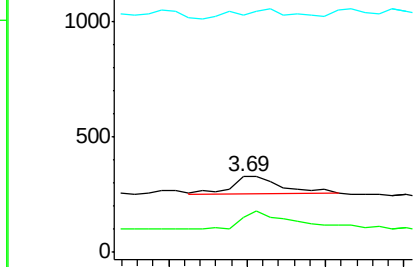
Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	84.3	126.5#
44	0.0	6.7	10.1#

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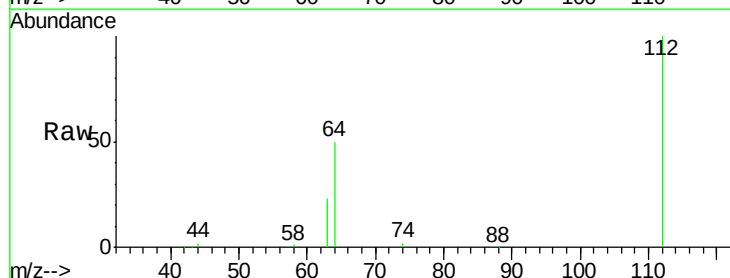
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



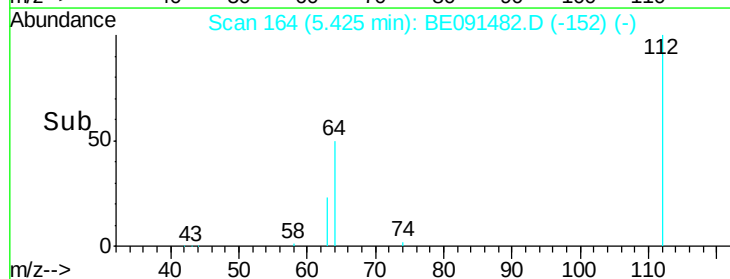
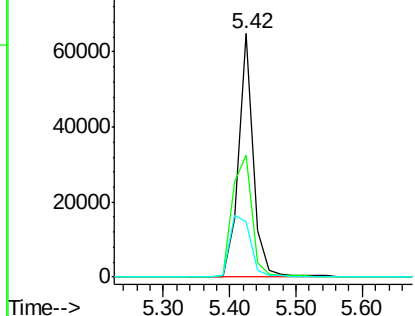
#4

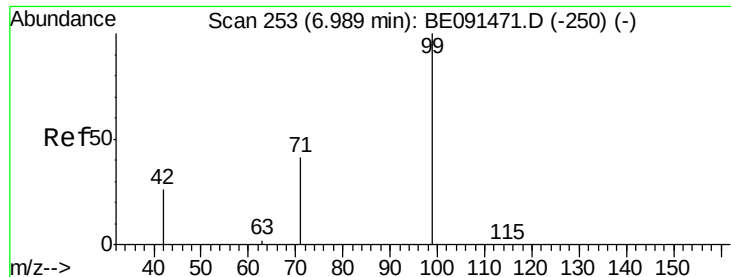
2-Fluorophenol
Concen: 7.72 ng
RT: 5.42 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	53.3	79.9
63	35.4	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: 7.39 ng

RT: 6.99 min Scan# 253

Delta R.T. 0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

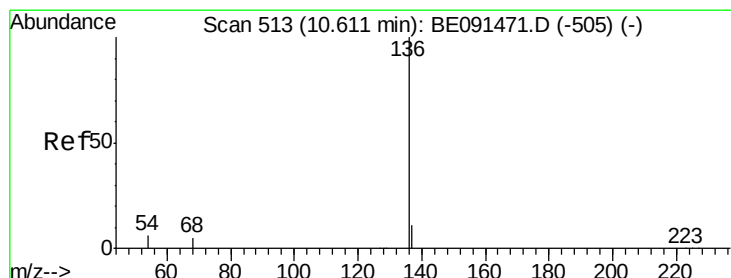
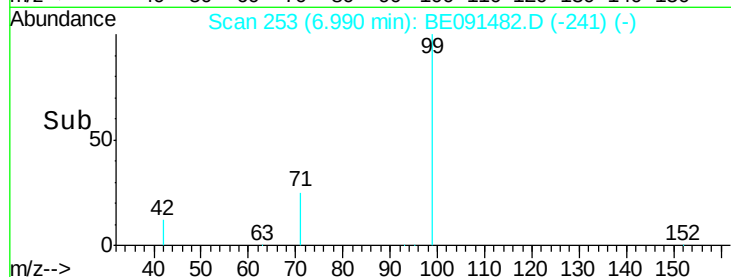
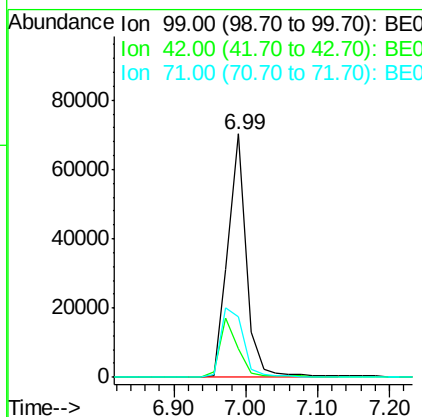
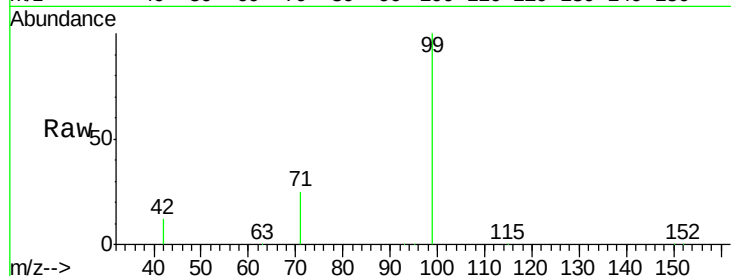
ClientSampleId :

MDL-02-W

Tgt Ion:	99	Resp:	125773
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

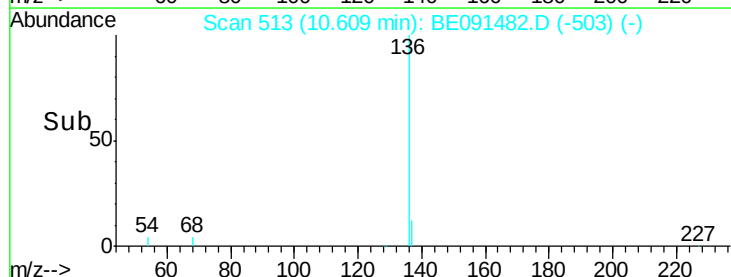
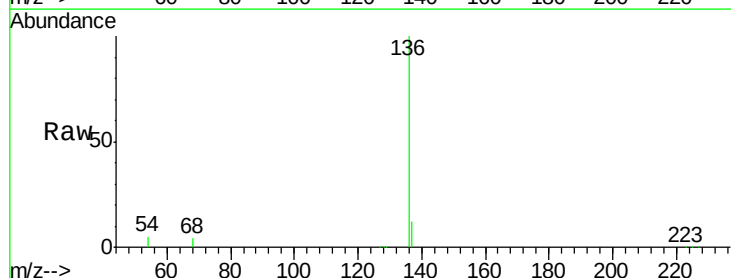
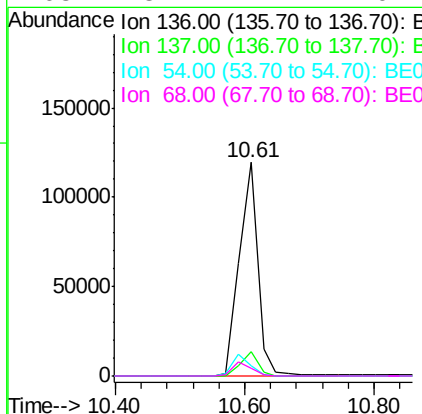
RT: 10.61 min Scan# 513

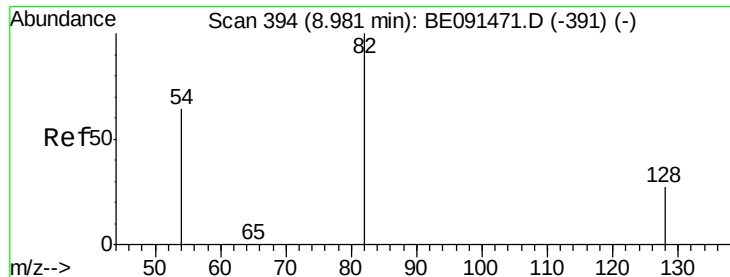
Delta R.T. -0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Tgt Ion:	136	Resp:	235642
Ion Ratio	Lower	Upper	
136	100		
137	11.6	8.8	13.2
54	4.5	5.2	7.8#
68	3.7	4.1	6.1#





#7

Nitrobenzene-d5

Concen: 3.34 ng

RT: 8.98 min Scan# 394

Delta R.T. 0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

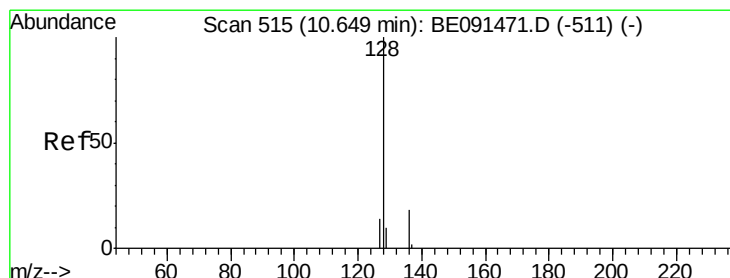
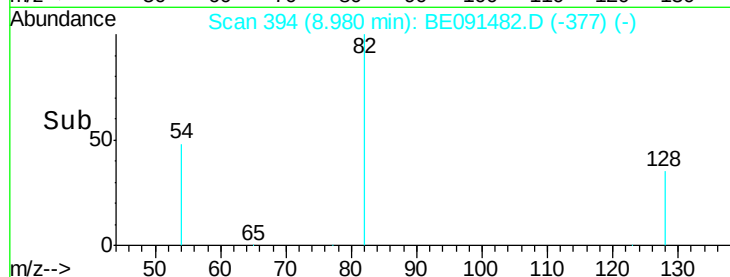
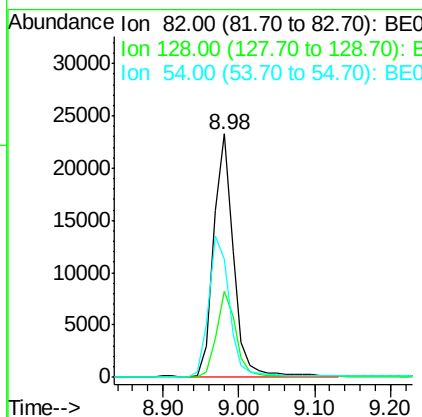
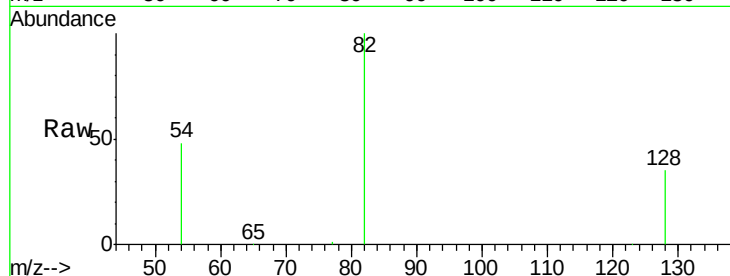
ClientSampleId :

MDL-02-W

Tgt Ion:	82	Resp:	42078
Ion Ratio	Lower	Upper	
82	100		
128	35.2	23.5	35.3
54	48.4	52.4	78.6#

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#8

Naphthalene

Concen: 0.05 ng

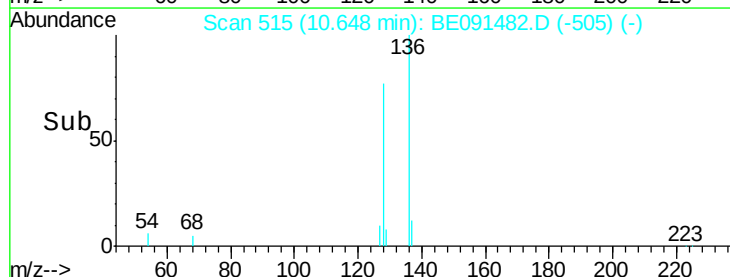
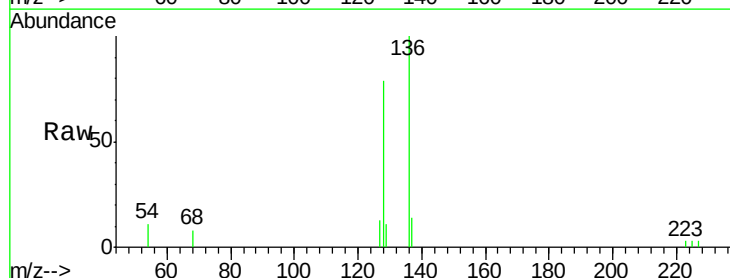
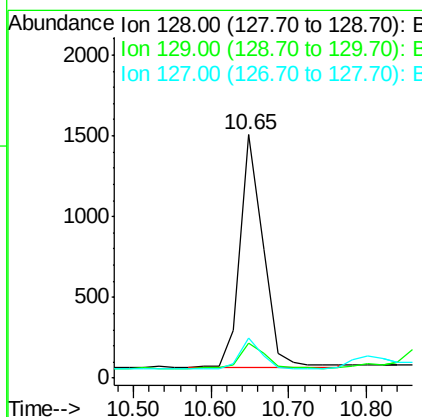
RT: 10.65 min Scan# 515

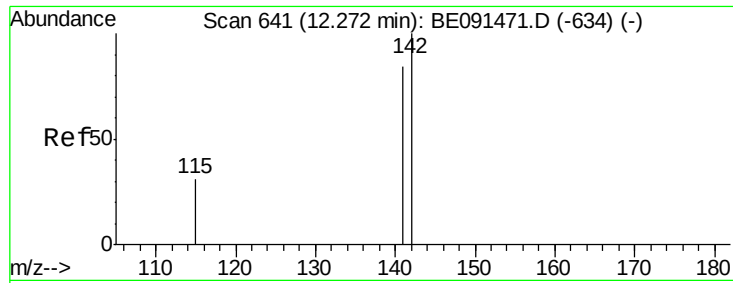
Delta R.T. -0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Tgt Ion:	128	Resp:	2961
Ion Ratio	Lower	Upper	
128	100		
129	14.2	8.2	12.2#
127	16.4	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: BE091482.D

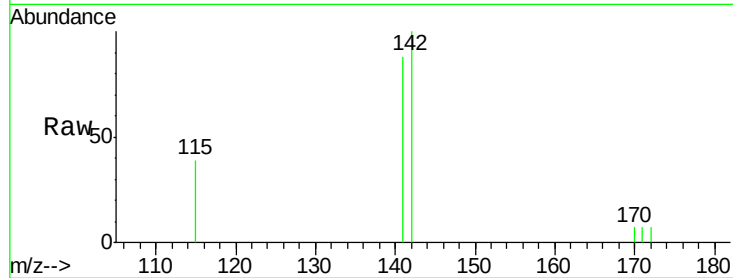
Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

ClientSampled :

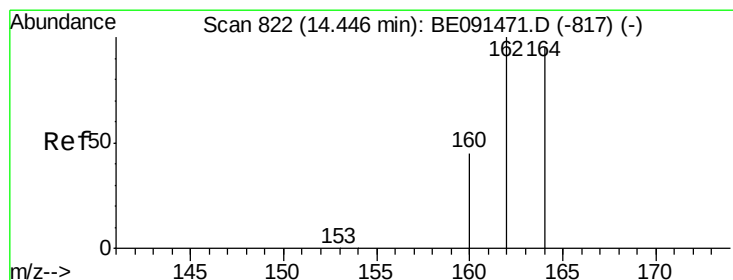
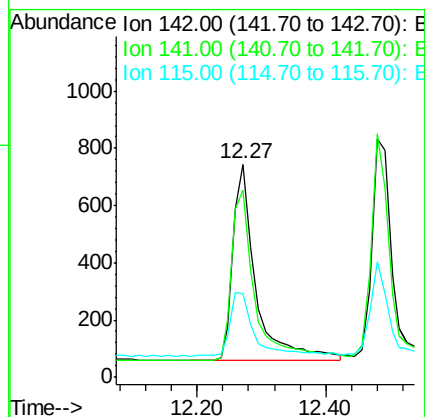
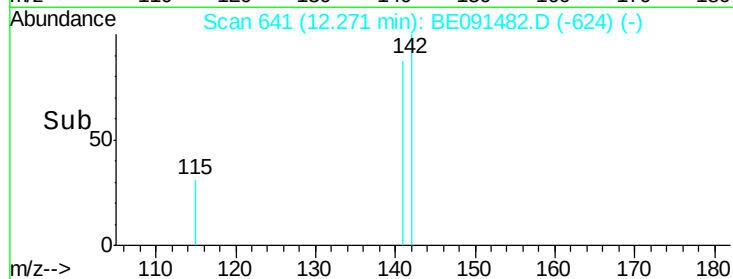
MDL-02-W



Tgt Ion:	142	Resp:	1688
Ion Ratio	Lower	Upper	
142	100		
141	87.9	66.9	100.3
115	38.9	25.1	37.7#

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#10

Acenaphthene-d10

Concen: 5.00 ng

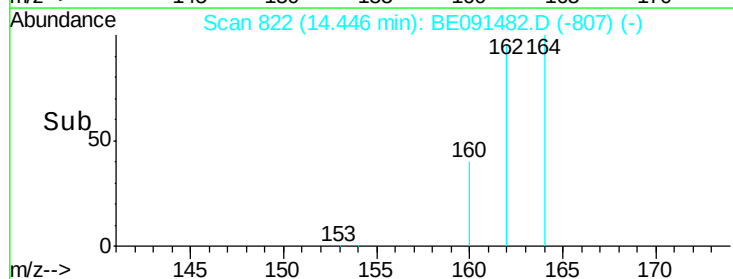
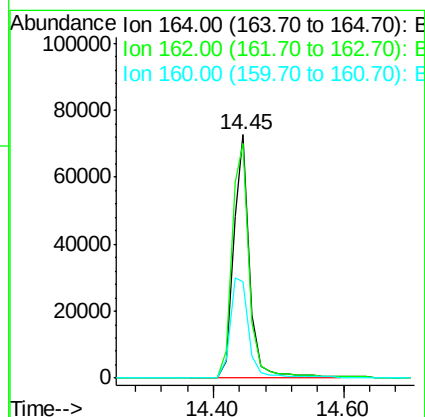
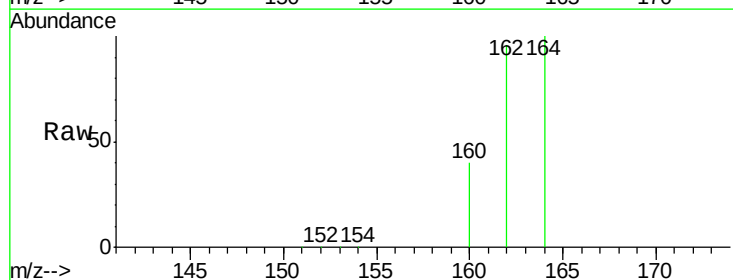
RT: 14.45 min Scan# 822

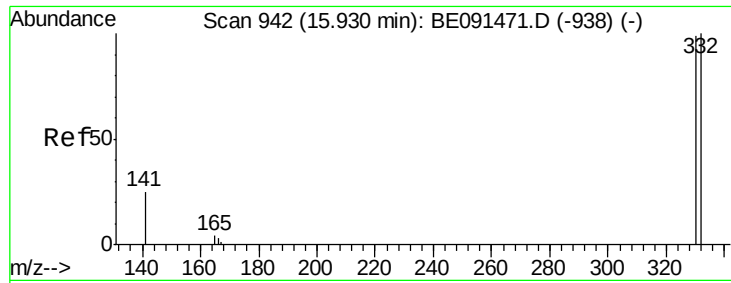
Delta R.T. 0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Tgt Ion:	164	Resp:	126372
Ion Ratio	Lower	Upper	
164	100		
162	96.4	84.4	126.6
160	39.6	37.7	56.5





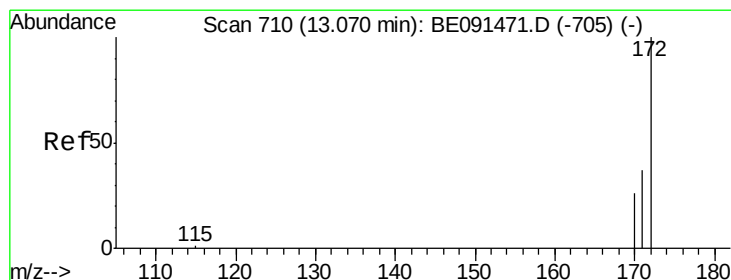
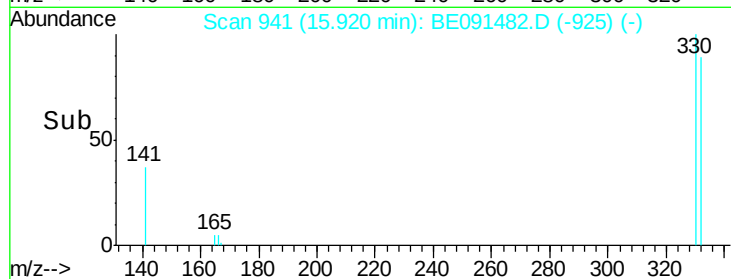
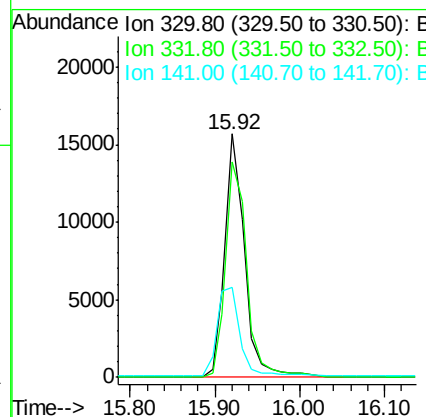
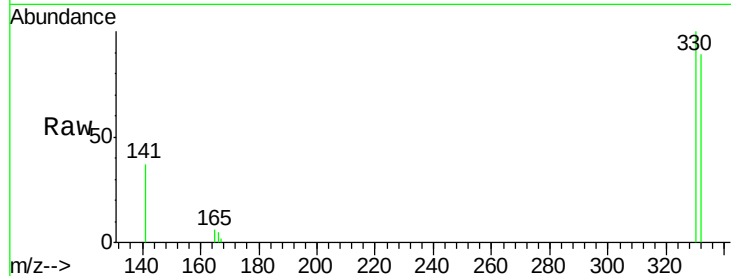
#11
 2,4,6-Tribromophenol
 Concen: 6.46 ng
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE091482.D
 Acq: 18 Mar 2016 13:26

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-W

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	29861		
332	94.3	79.2	118.8	
141	42.5	28.1	42.1#	

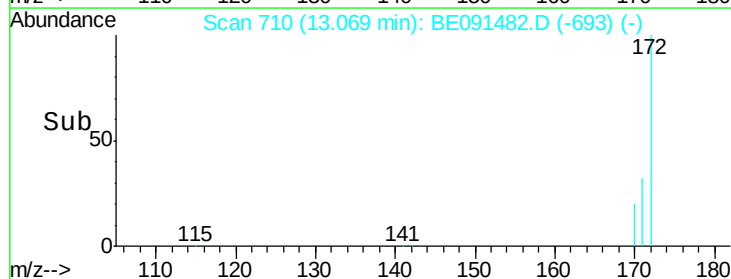
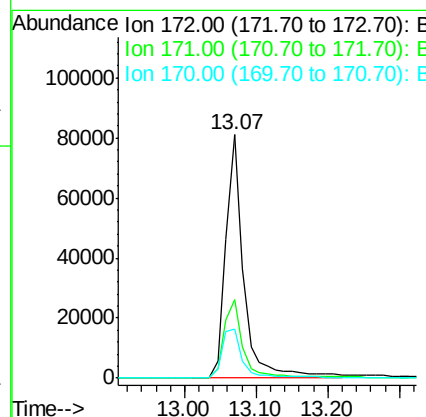
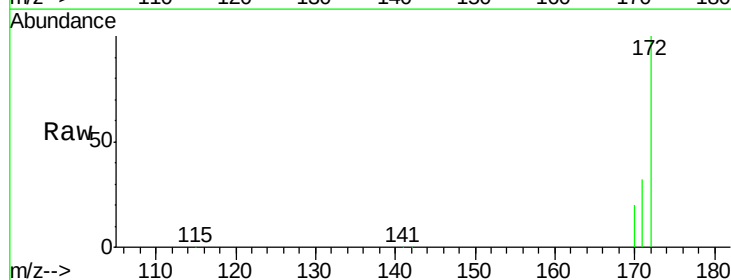
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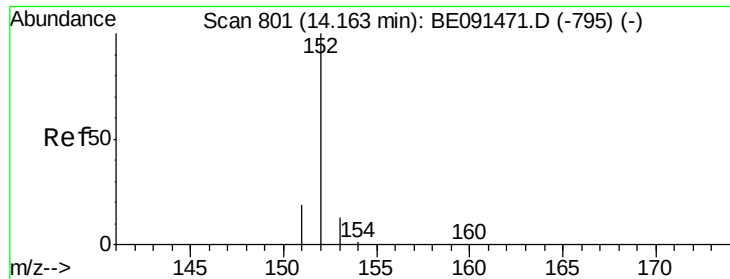
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#12
 2-Fluorobiphenyl
 Concen: 4.46 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE091482.D
 Acq: 18 Mar 2016 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	141705		
171	32.0	29.8	44.8	
170	20.2	21.4	32.2#	





#13

Acenaphthylene

Concen: 0.17 ng

RT: 14.16 min Scan# 801

Delta R.T. 0.00 min

Lab File: BE091482.D

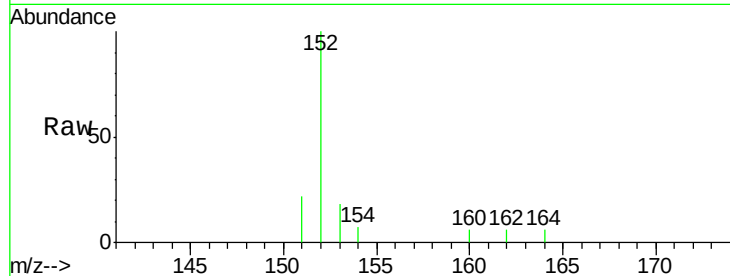
Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

ClientSampleId :

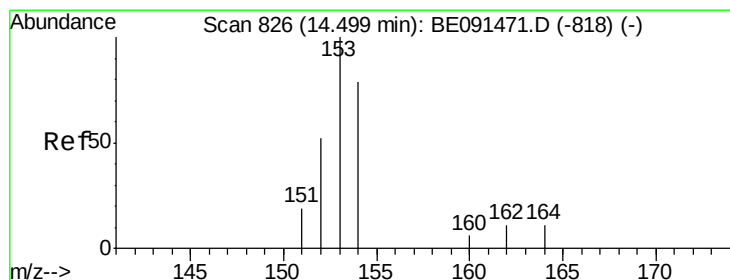
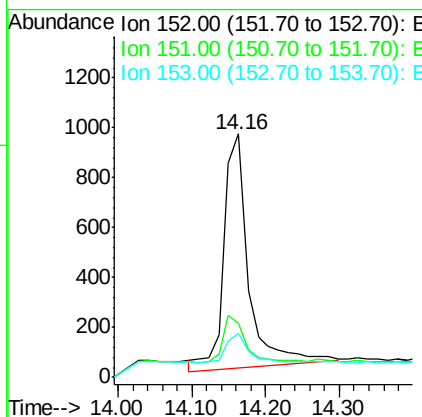
MDL-02-W



Tgt Ion	Ratio	Lower	Upper
152	100		
151	24.9	16.3	24.5#
153	16.0	11.1	16.7

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#14

Acenaphthene

Concen: 0.05 ng

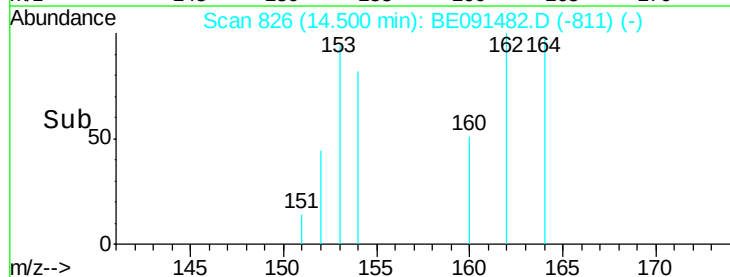
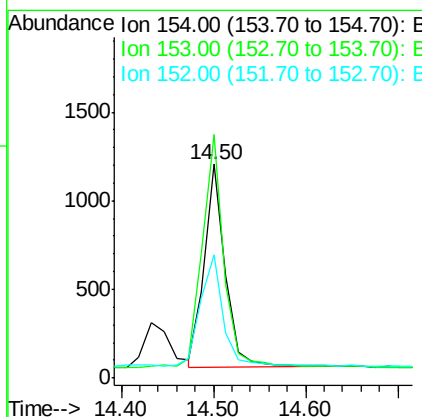
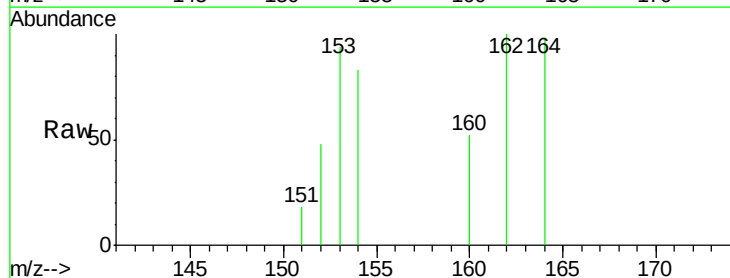
RT: 14.50 min Scan# 826

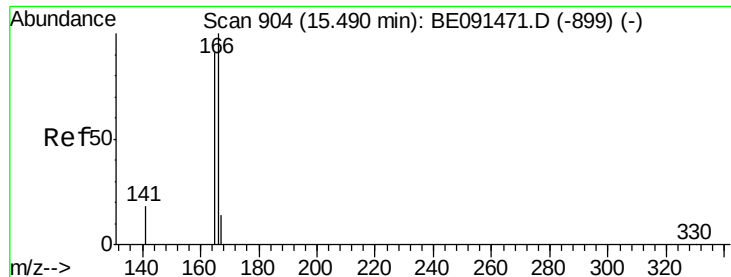
Delta R.T. 0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
154	100		
153	120.7	87.3	130.9
152	58.7	42.9	64.3





#15

Fluorene

Concen: 0.05 ng

RT: 15.48 min Scan# 903

Delta R.T. -0.01 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

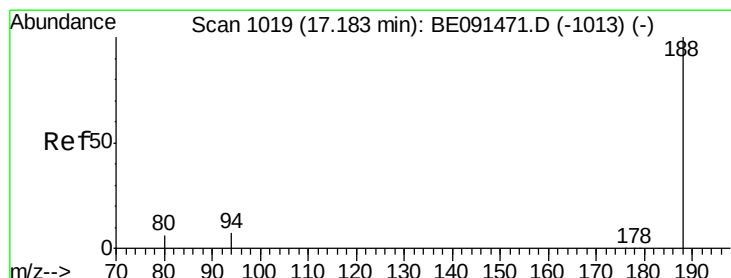
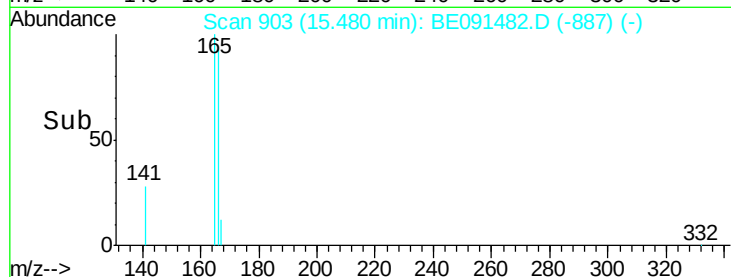
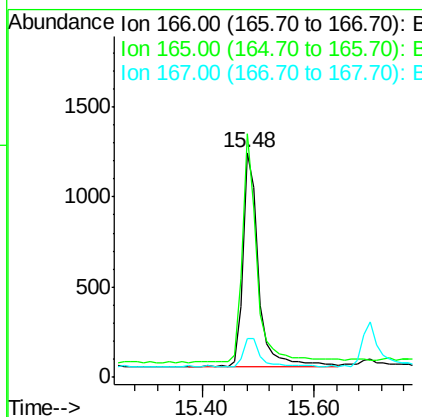
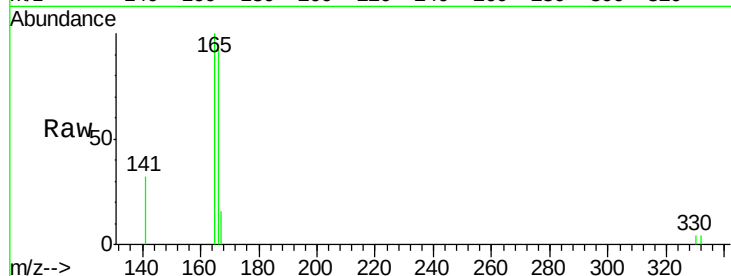
ClientSampleId :

MDL-02-W

Tgt Ion:	166	Resp:	2322
Ion Ratio	Lower	Upper	
166	100		
165	98.0	79.2	118.8
167	14.2	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

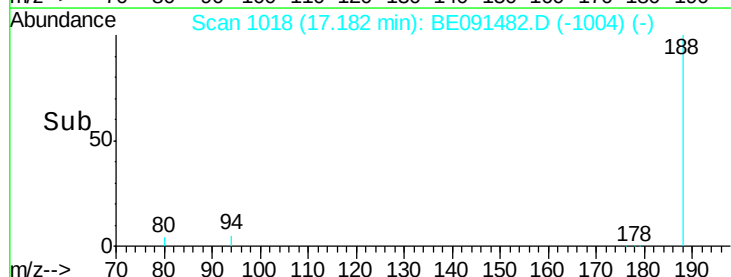
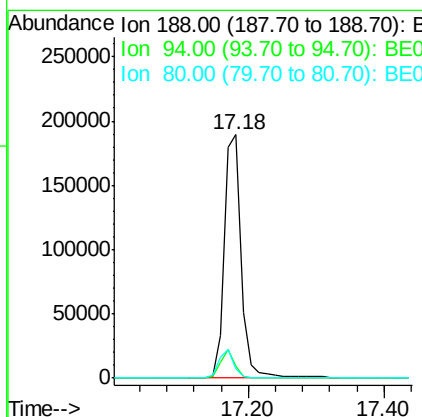
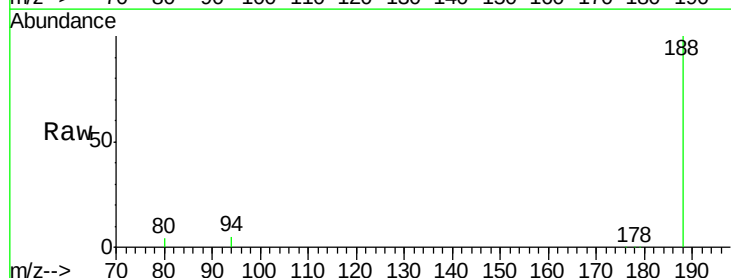
RT: 17.18 min Scan# 1018

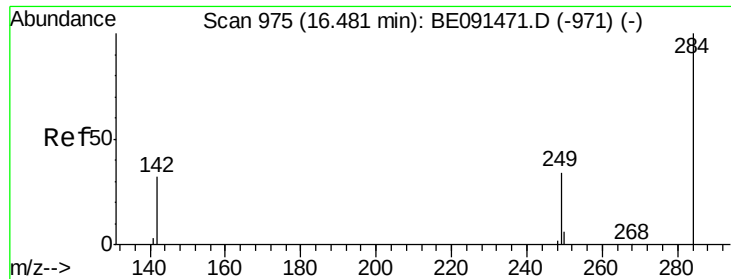
Delta R.T. -0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Tgt Ion:	188	Resp:	335767
Ion Ratio	Lower	Upper	
188	100		
94	4.8	5.4	8.2#
80	4.0	5.0	7.4#





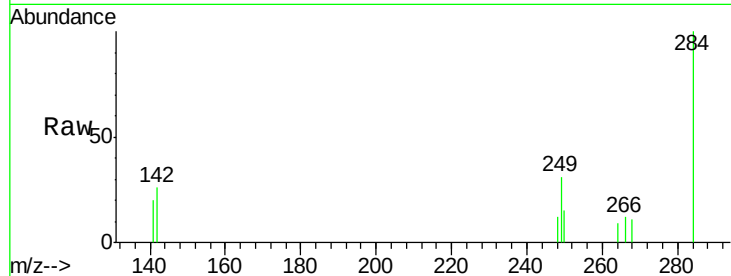
#17
Hexachlorobenzene
Concen: 0.05 ng
RT: 16.48 min Scan# 975
Delta R.T. 0.00 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

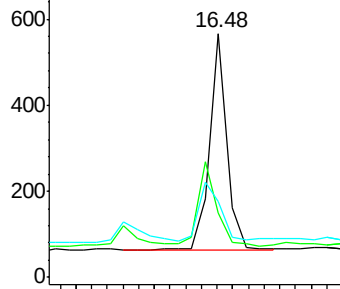
Tgt Ion	Ratio	Lower	Upper
284	100		
142	41.3	31.0	46.4
249	34.5	25.8	38.8

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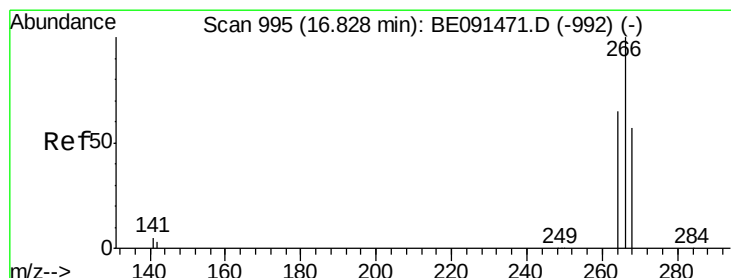
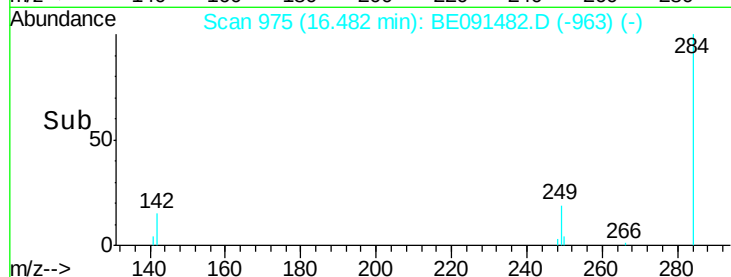
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

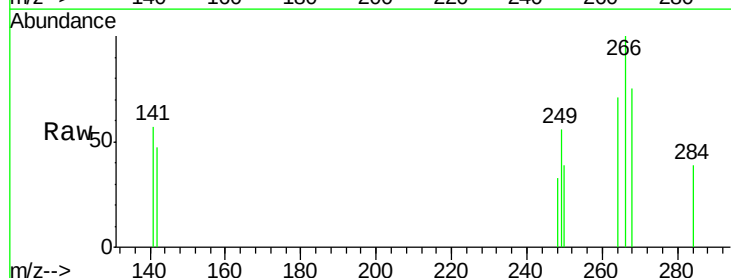


Time-->

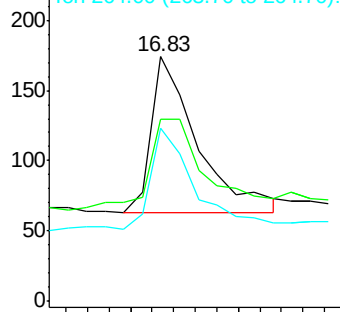


#18
Pentachlorophenol
Concen: 0.24 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

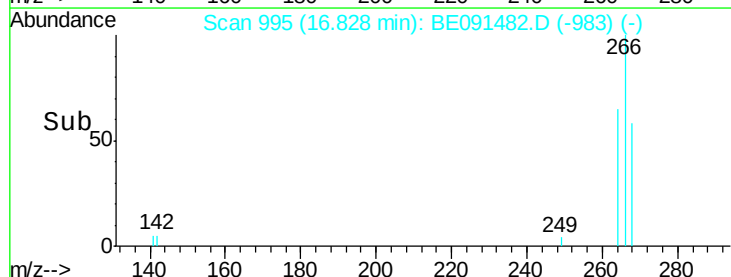
Tgt Ion	Ratio	Lower	Upper
266	100		
268	74.7	48.2	72.2#
264	70.7	52.1	78.1

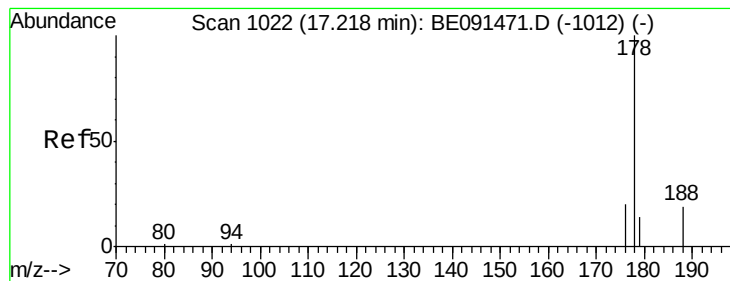


Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E



Time-->





#19

Phenanthrene

Concen: 0.05 ng m

RT: 17.22 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BE091482.D

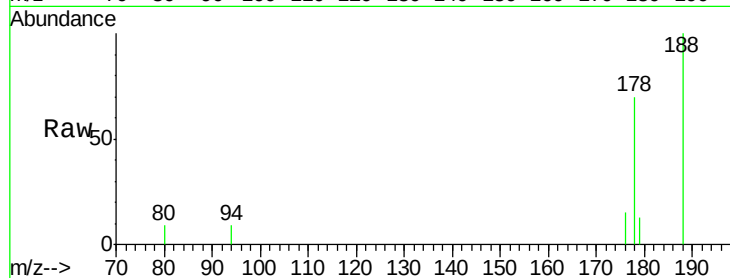
Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

ClientSampleId :

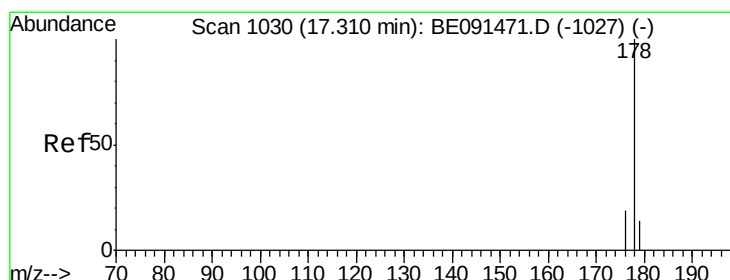
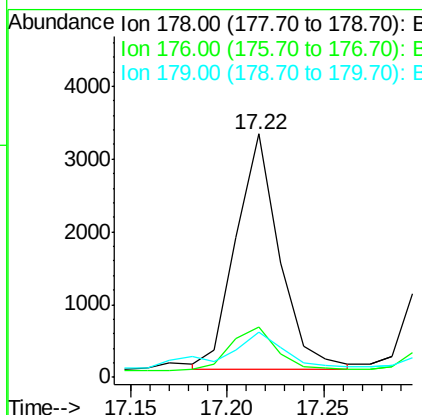
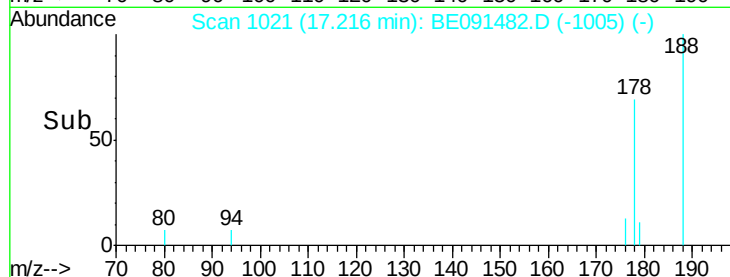
MDL-02-W



Tgt Ion:	178	Resp:	5056
Ion Ratio	Lower	Upper	
178	100		
176	12.8	15.5	23.3#
179	9.6	13.1	19.7#

Manual Integrations
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#20

Anthracene

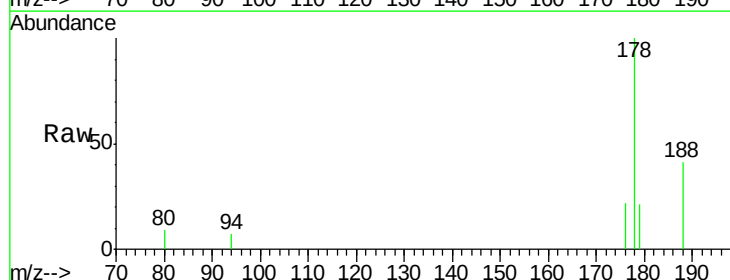
Concen: 0.04 ng

RT: 17.31 min Scan# 1029

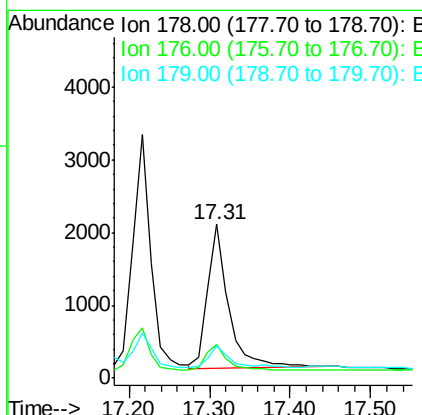
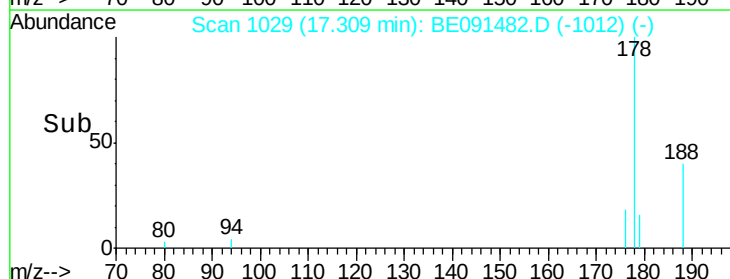
Delta R.T. -0.00 min

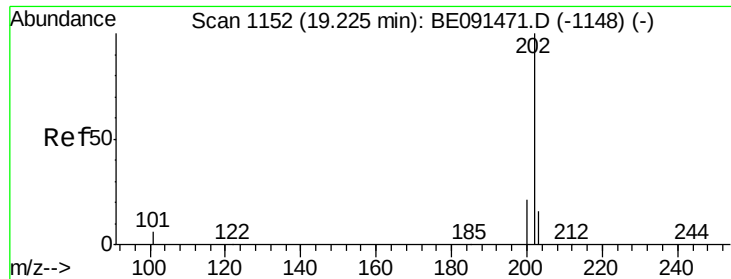
Lab File: BE091482.D

Acq: 18 Mar 2016 13:26



Tgt Ion:	178	Resp:	3637
Ion Ratio	Lower	Upper	
178	100		
176	18.2	14.9	22.3
179	14.1	12.2	18.4





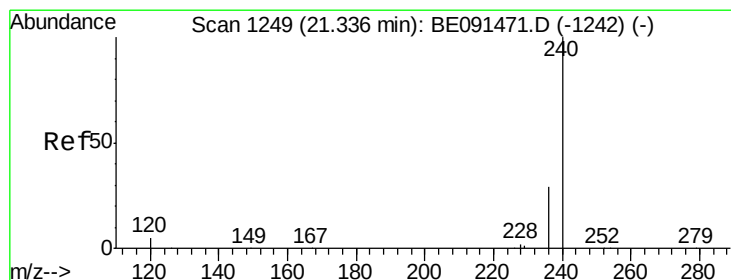
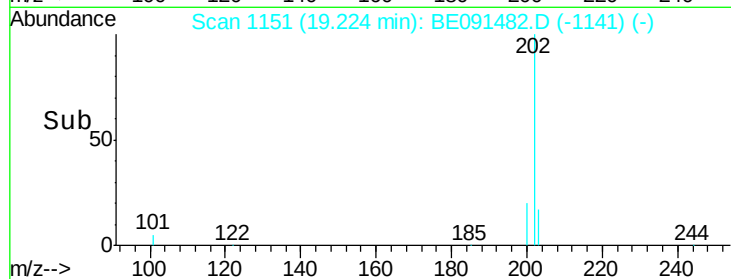
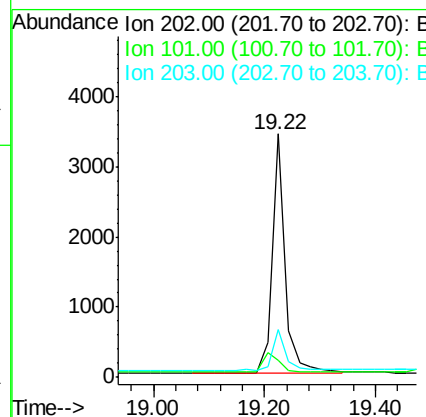
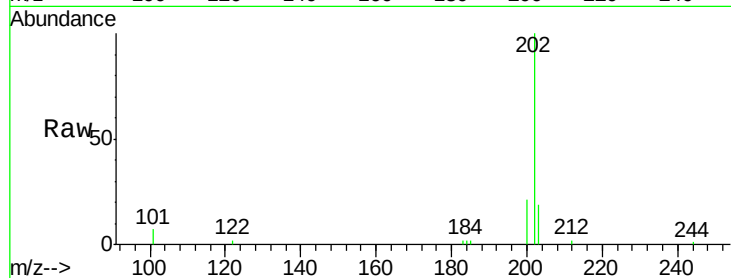
#21
Fluoranthene
Concen: 0.05 ng
RT: 19.22 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	10.7	8.3	12.5
203	18.2	13.9	20.9

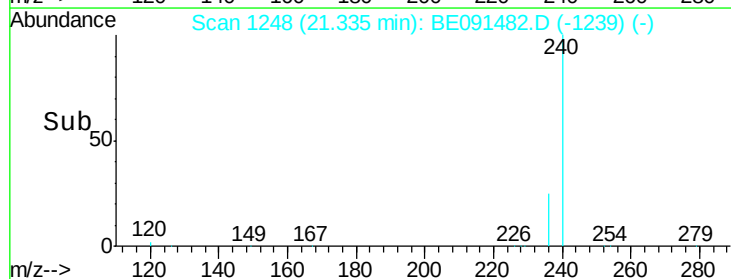
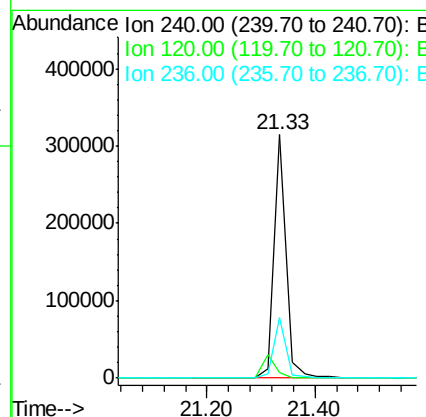
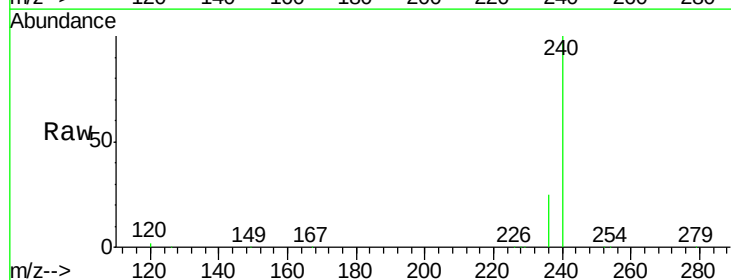
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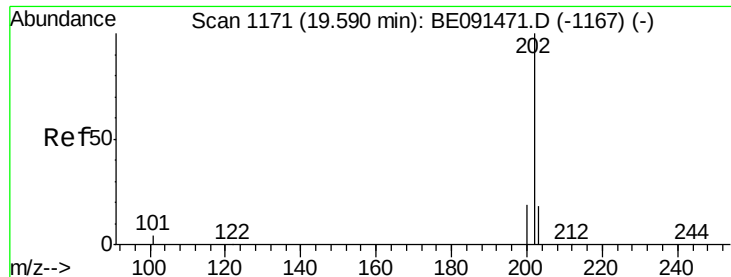
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#22
Chrysene-d12
Concen: 5.00 ng
RT: 21.33 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	2.5	4.0	6.0#
236	25.1	23.0	34.4





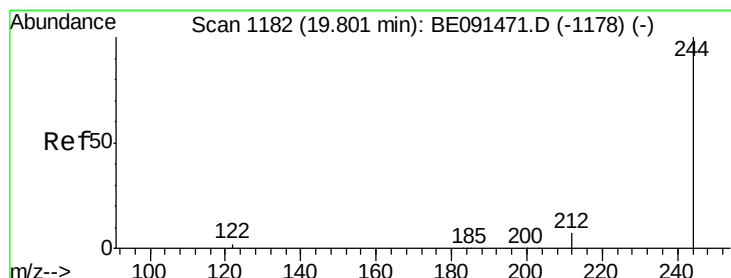
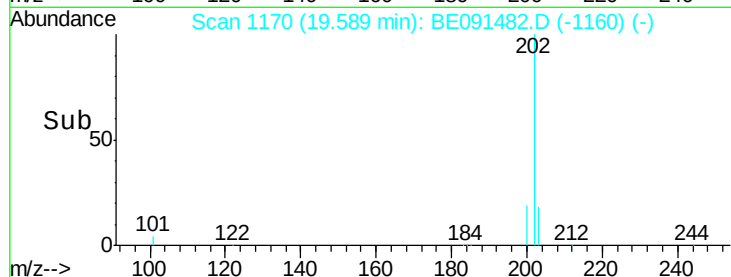
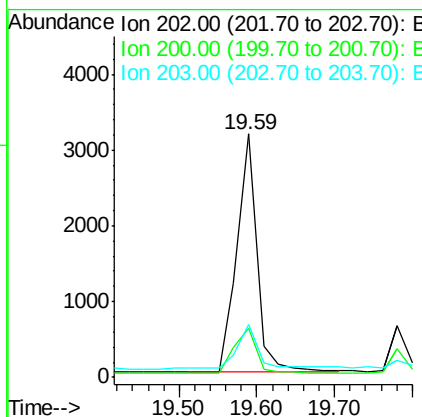
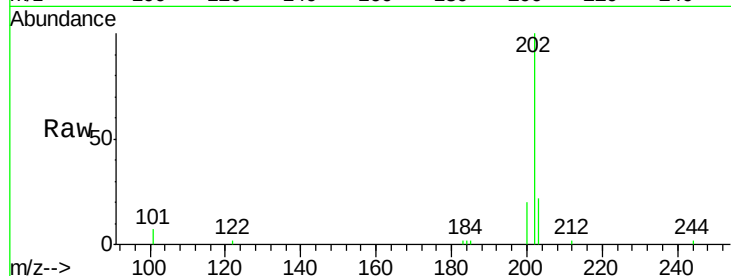
#23
Pyrene
Concen: 0.05 ng
RT: 19.59 min Scan# 1170
Delta R.T. -0.00 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.4	24.6
203	21.2	14.6	21.8

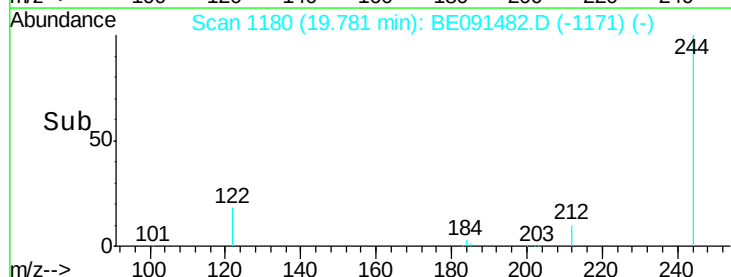
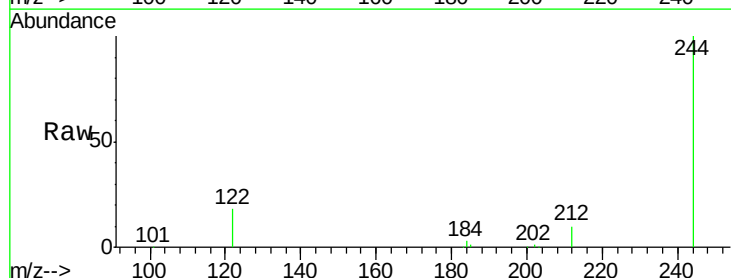
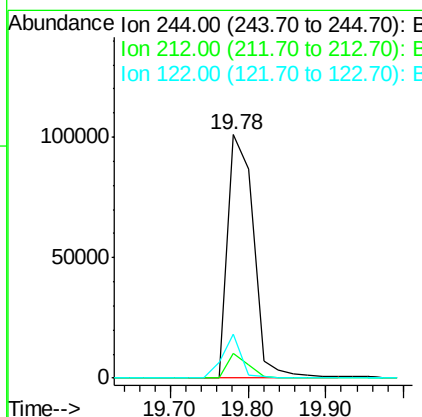
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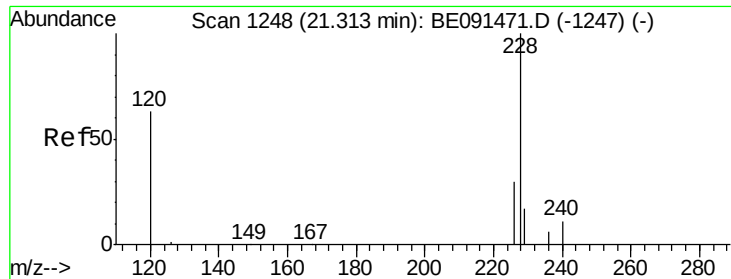
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#24
Terphenyl-d14
Concen: 3.93 ng
RT: 19.78 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.2	5.8	8.8#
122	18.1	1.8	2.8#





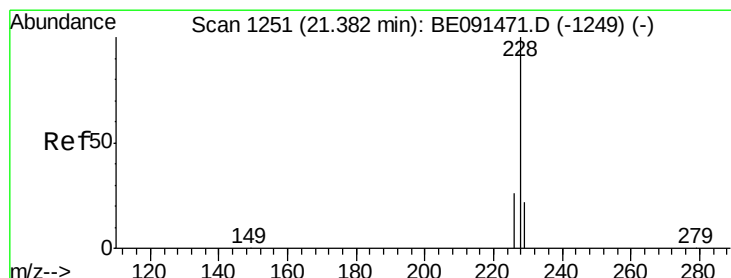
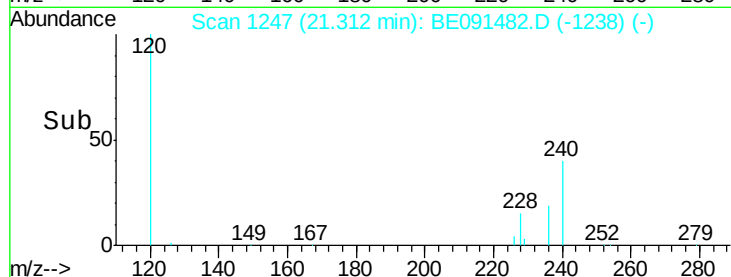
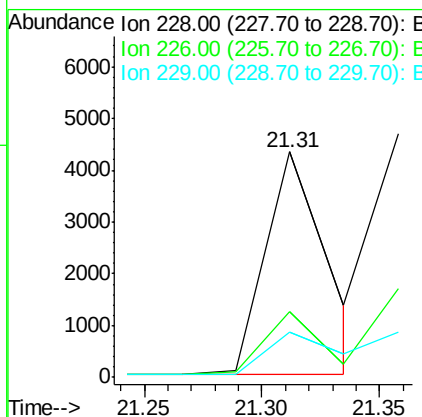
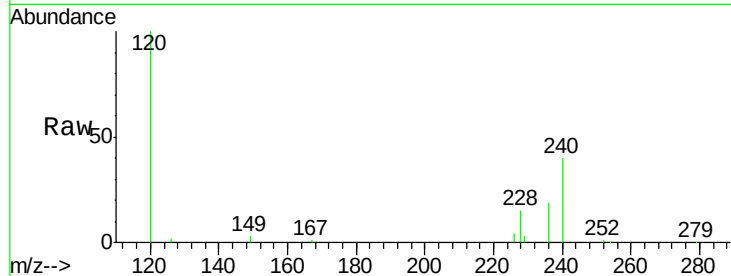
#25
Benzo(a)anthracene
Concen: 0.06 ng m
RT: 21.31 min Scan# 1247
Delta R.T. -0.00 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Instrument :
BNA_E
ClientSampleId :
MDL-02-W

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	20.1	13.8	20.6

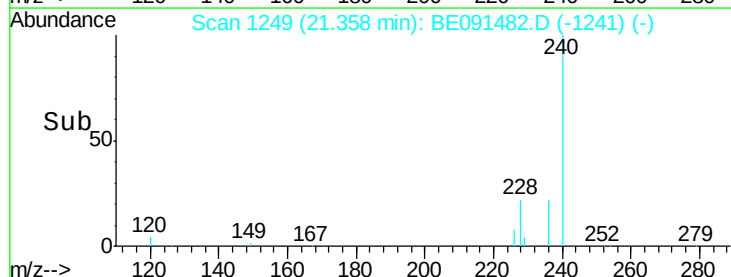
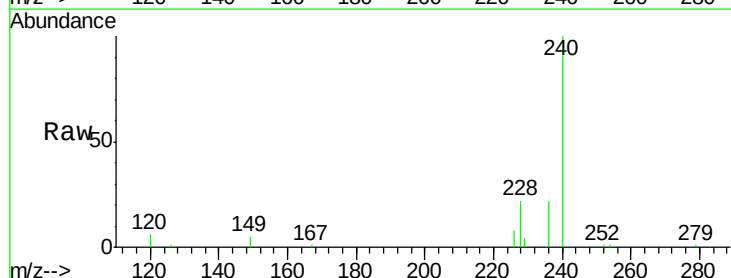
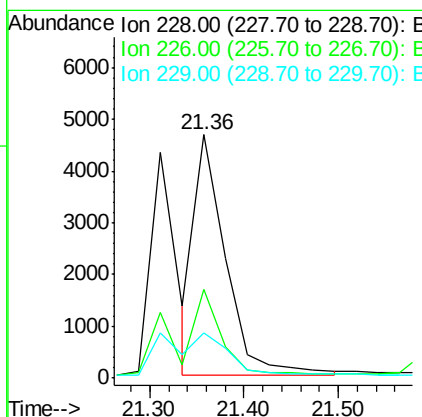
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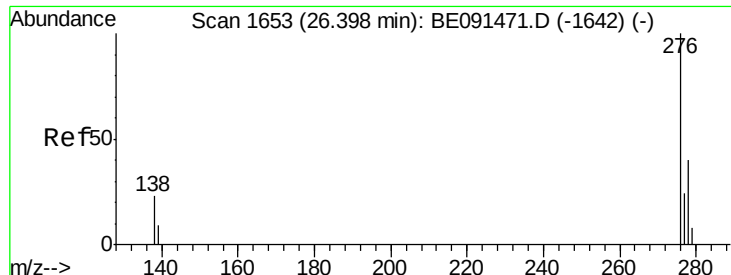
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#26
Chrysene
Concen: 0.08 ng m
RT: 21.36 min Scan# 1249
Delta R.T. -0.02 min
Lab File: BE091482.D
Acq: 18 Mar 2016 13:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.2	18.9	28.3#
229	18.3	19.1	28.7#





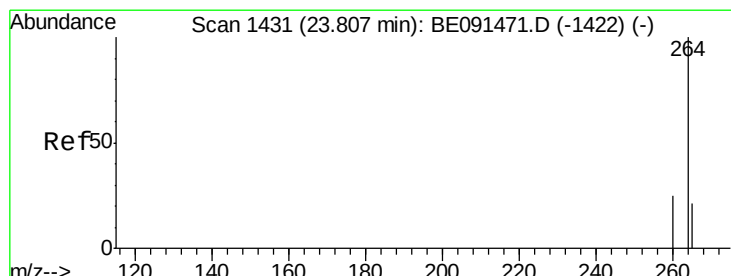
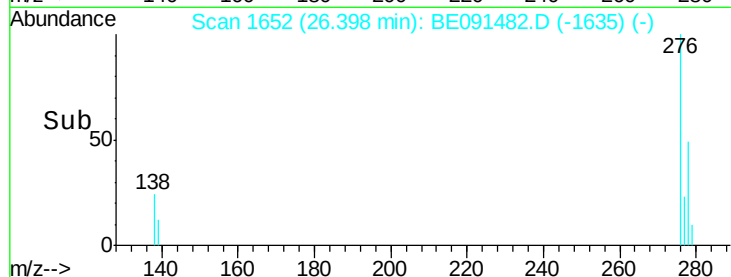
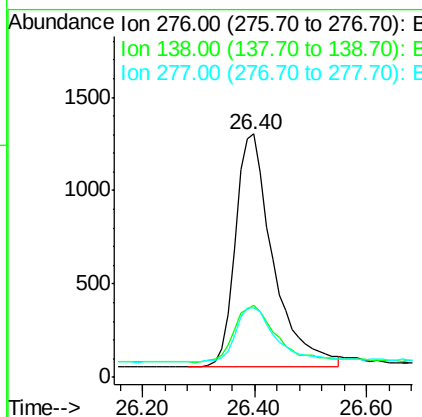
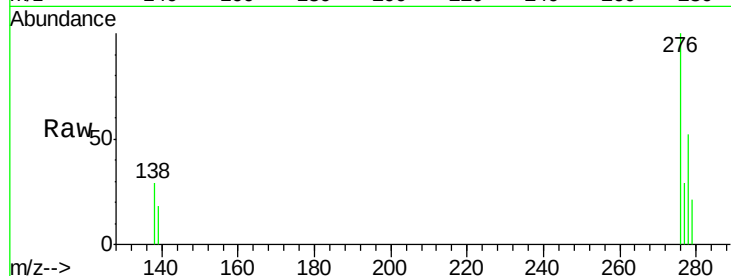
#27
 Indeno(1,2,3-cd)pyrene
 Concen: 0.04 ng
 RT: 26.40 min Scan# 1652
 Delta R.T. 0.00 min
 Lab File: BE091482.D
 Acq: 18 Mar 2016 13:26

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
276	100		
138	27.2	20.2	30.4
277	25.3	19.8	29.8

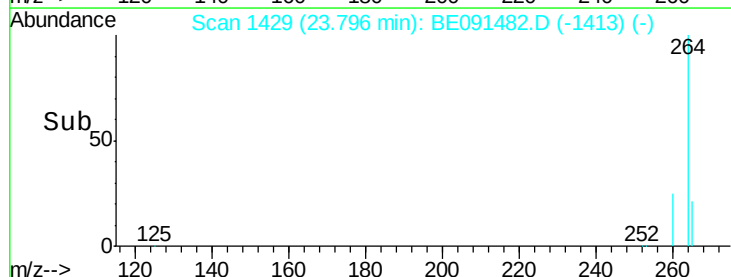
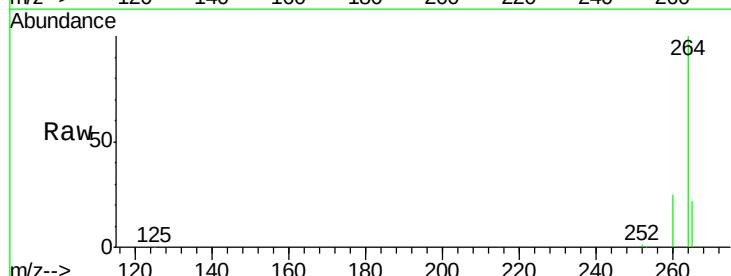
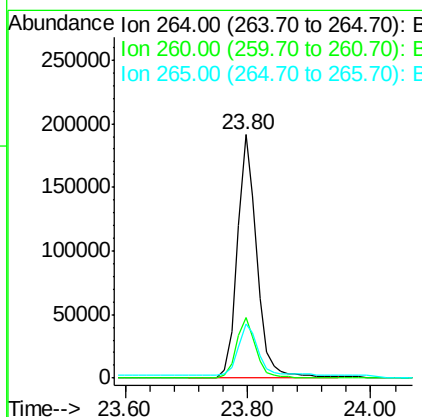
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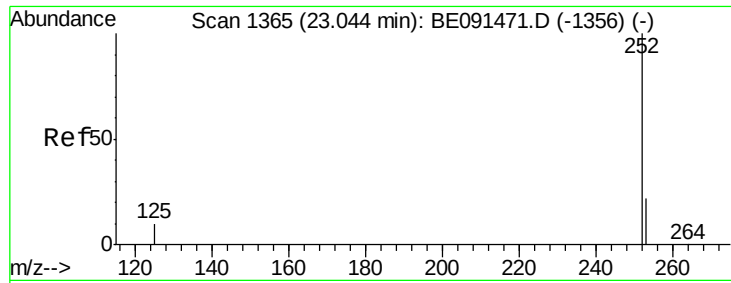
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#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.80 min Scan# 1429
 Delta R.T. -0.01 min
 Lab File: BE091482.D
 Acq: 18 Mar 2016 13:26

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	25.0	20.1	30.1
265	22.2	18.3	27.5





#29

Benzo(b)fluoranthene

Concen: 0.06 ng

RT: 23.04 min Scan# 1364

Delta R.T. 0.00 min

Lab File: BE091482.D

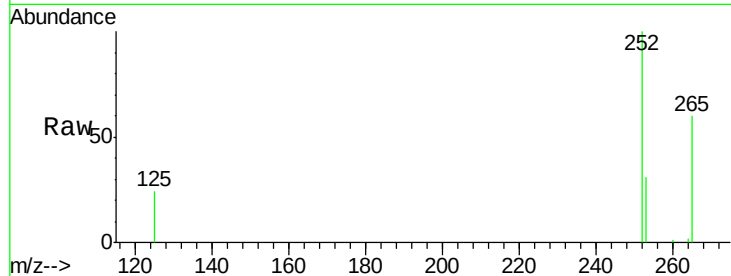
Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

ClientSampled :

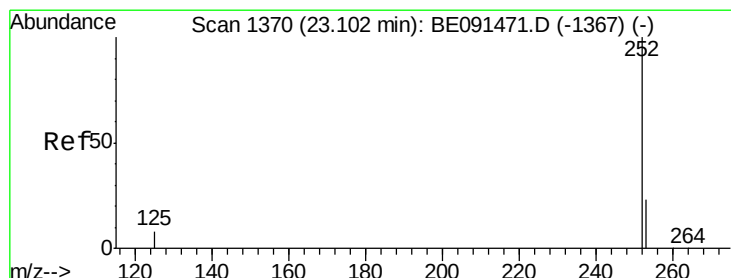
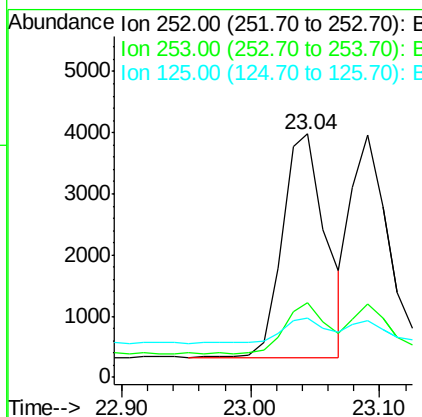
MDL-02-W



Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.6	18.7	28.1#
125	24.3	9.8	14.6#

Manual Integrations
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#30

Benzo(k)fluoranthene

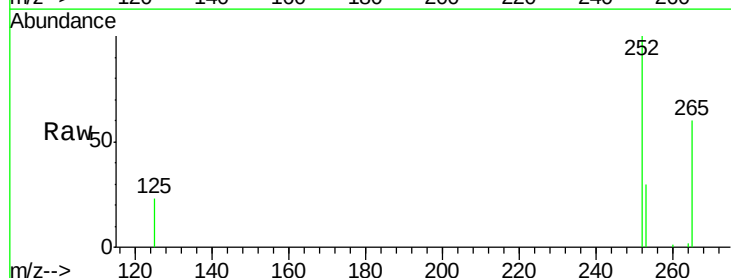
Concen: 0.06 ng

RT: 23.09 min Scan# 1368

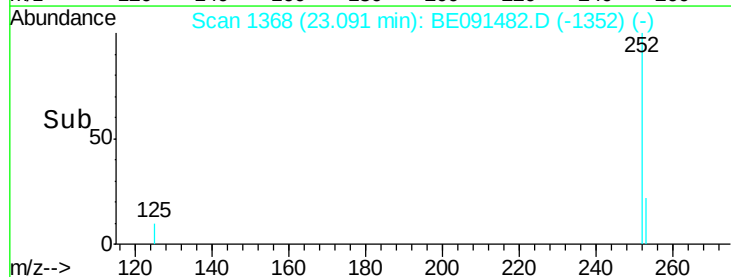
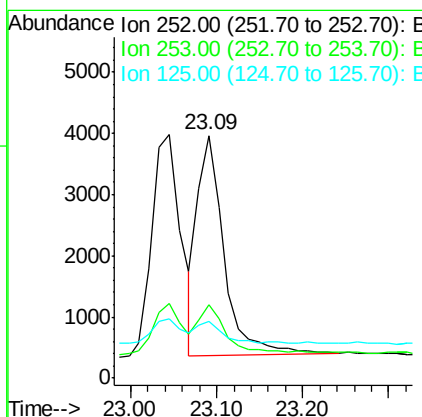
Delta R.T. -0.01 min

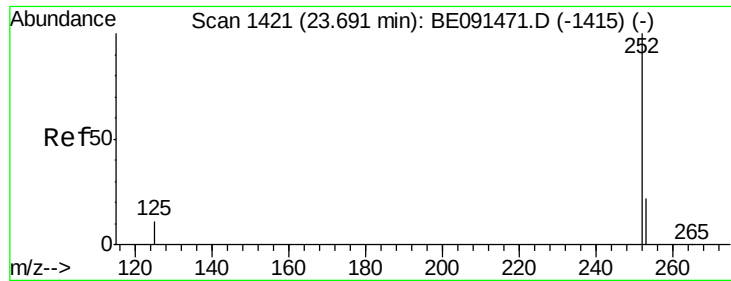
Lab File: BE091482.D

Acq: 18 Mar 2016 13:26



Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.2	20.2	30.4
125	23.3	9.4	14.2#





#31

Benzo(a)pyrene

Concen: 0.05 ng

RT: 23.68 min Scan# 1419

Delta R.T. -0.01 min

Lab File: BE091482.D

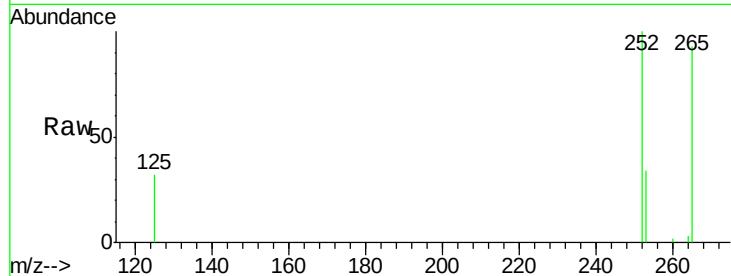
Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

ClientSampleId :

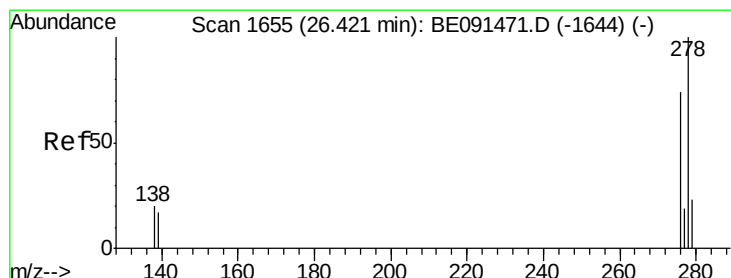
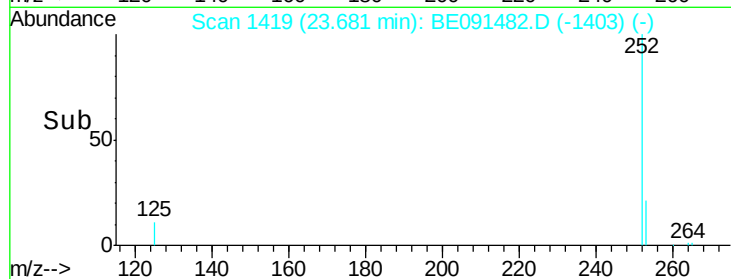
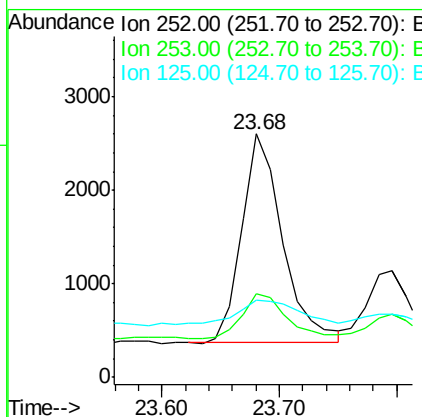
MDL-02-W



Tgt Ion:	252	Resp:	5422
Ion Ratio	Lower	Upper	
252	100		
253	34.1	19.4	29.0#
125	31.5	11.4	17.2#

Manual Integrations
APPROVED

apatel
3/21/2016 5:12:34 PM



#32

Dibenzo(a,h)anthracene

Concen: 0.04 ng

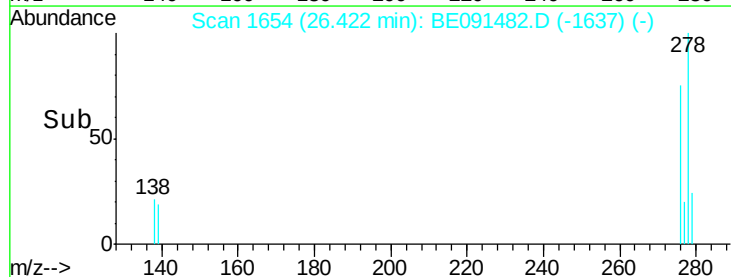
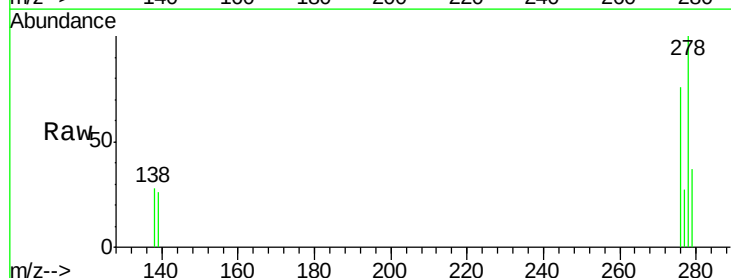
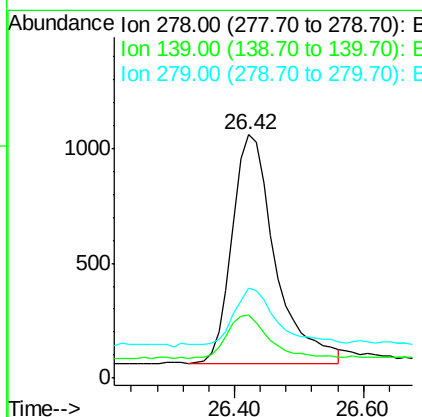
RT: 26.42 min Scan# 1654

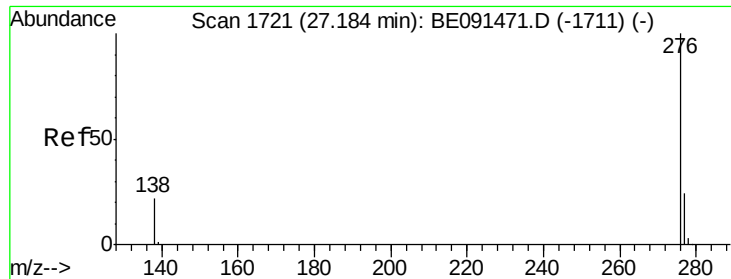
Delta R.T. 0.00 min

Lab File: BE091482.D

Acq: 18 Mar 2016 13:26

Tgt Ion:	278	Resp:	4633
Ion Ratio	Lower	Upper	
278	100		
139	26.0	14.2	21.4#
279	37.0	19.6	29.4#





#33

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 27.19 min Scan# 1720

Delta R.T. 0.00 min

Lab File: BE091482.D

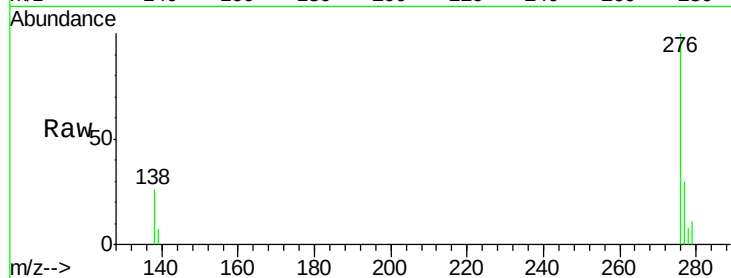
Acq: 18 Mar 2016 13:26

Instrument :

BNA_E

ClientSampleId :

MDL-02-W



Tgt	Ion	276	Resp:	5452
Ion	Ratio	100	Lower	Upper
276	100			
277	29.7	19.4	29.2	#
138	26.0	18.2	27.4	

Manual Integrations
APPROVED

apatel
3/21/2016 5:12:34 PM

