

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
 Data File : BE091484.D
 Acq On : 18 Mar 2016 14:41
 Operator : UM/SJ
 Sample : MDL-04-W
 Misc : 0.08PPM
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-W

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Quant Time: Mar 18 15:17:56 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	54076	5.00	ng	0.00
6) Naphthalene-d8	10.61	136	224272	5.00	ng	0.00
10) Acenaphthene-d10	14.44	164	119913	5.00	ng	0.00
16) Phenanthrene-d10	17.17	188	312248	5.00	ng	-0.01
22) Chrysene-d12	21.34	240	450300	5.00	ng	0.00
28) Perylene-d12	23.80	264	397833	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.43	112	94885	7.64	ng	0.00
5) Phenol-d6	6.99	99	119867	7.39	ng	0.00
7) Nitrobenzene-d5	8.98	82	40333	3.36	ng	0.00
11) 2,4,6-Tribromophenol	15.92	330	27659	6.31	ng	-0.01
12) 2-Fluorobiphenyl	13.07	172	135550	4.49	ng	0.00
24) Terphenyl-d14	19.78	244	224446	4.14	ng	-0.02

Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	715	0.11	ng	# 72
3) n-Nitrosodimethylamine	3.70	42	248	0.03	ng	# 4
8) Naphthalene	10.65	128	3073	0.06	ng	# 95
9) 2-Methylnaphthalene	12.27	142	1728	0.05	ng	# 95
13) Acenaphthylene	14.16	152	2324	0.17	ng	# 87
14) Acenaphthene	14.50	154	1861	0.05	ng	93
15) Fluorene	15.48	166	2344	0.05	ng	99
17) Hexachlorobenzene	16.48	284	768	0.06	ng	99
18) Pentachlorophenol	16.83	266	346	0.25	ng	# 87
19) Phenanthrene	17.22	178	5048m	0.06	ng	
20) Anthracene	17.31	178	3641	0.05	ng	99
21) Fluoranthene	19.22	202	5422	0.05	ng	96
23) Pyrene	19.59	202	5739	0.05	ng	98
25) Benzo(a)anthracene	21.31	228	7876m	0.06	ng	
26) Chrysene	21.36	228	10399m	0.08	ng	
27) Indeno(1,2,3-cd)pyrene	26.39	276	5863	0.05	ng	99
29) Benzo(b)fluoranthene	23.05	252	8574	0.07	ng	# 81
30) Benzo(k)fluoranthene	23.09	252	7487	0.06	ng	# 83
31) Benzo(a)pyrene	23.68	252	5523	0.05	ng	# 71
32) Dibenzo(a,h)anthracene	26.42	278	4697	0.04	ng	# 81
33) Benzo(g,h,i)perylene	27.18	276	5378	0.05	ng	# 91

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

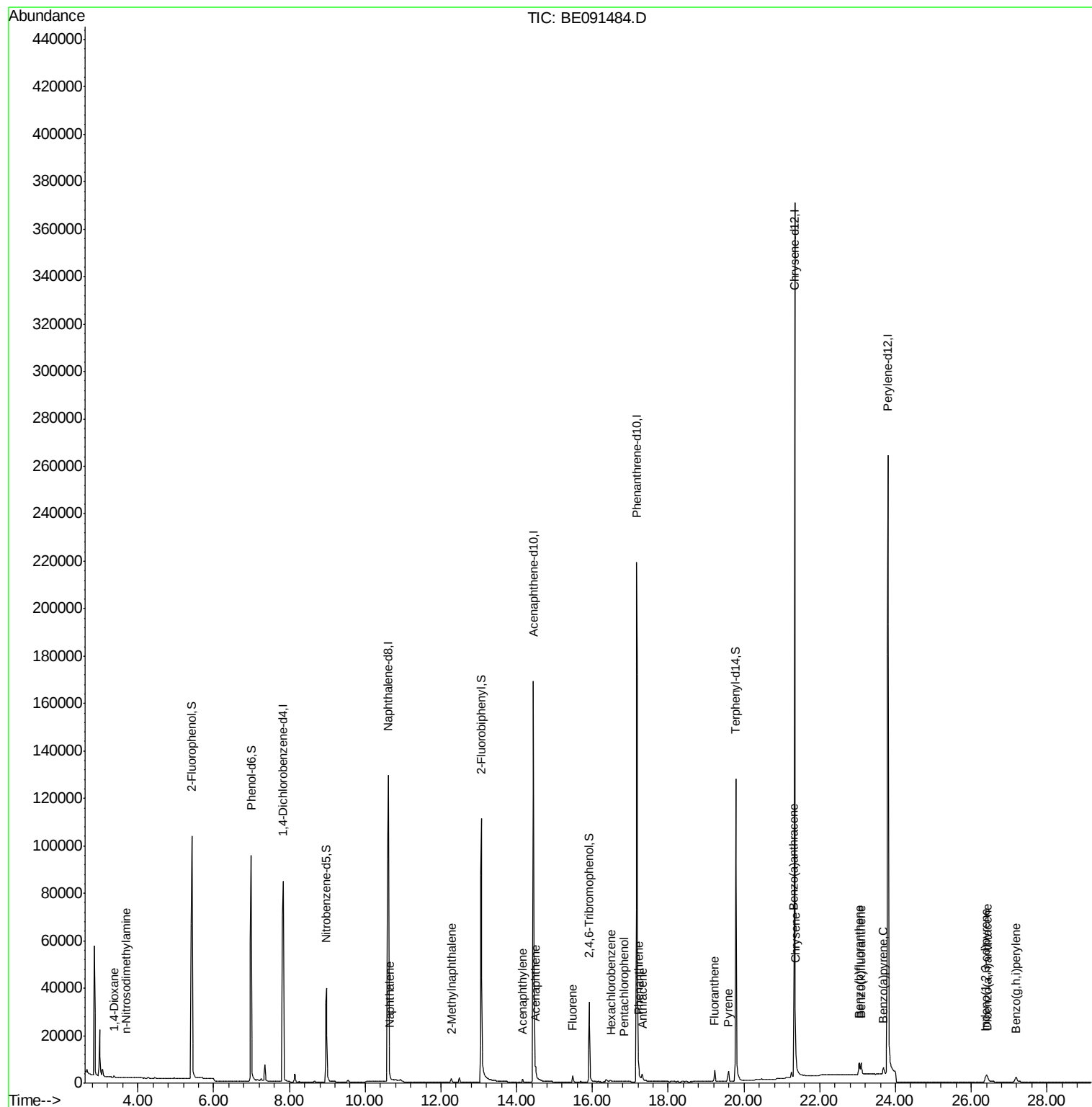
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE031916\
Data File : BE091484.D
Acq On : 18 Mar 2016 14:41
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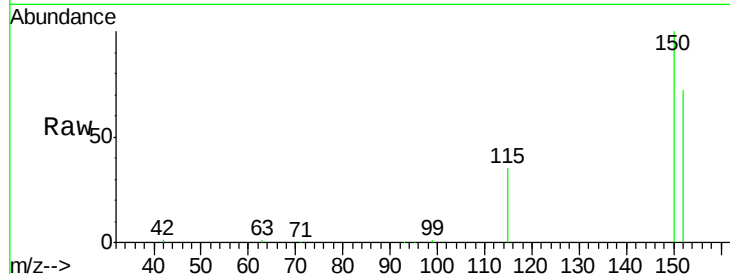
Quant Time: Mar 18 15:17:56 2016
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE031816.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Mar 18 14:14:30 2016
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.84 min Scan# 302
 Delta R.T. -0.00 min
 Lab File: BE091484.D
 Acq: 18 Mar 2016 14:41

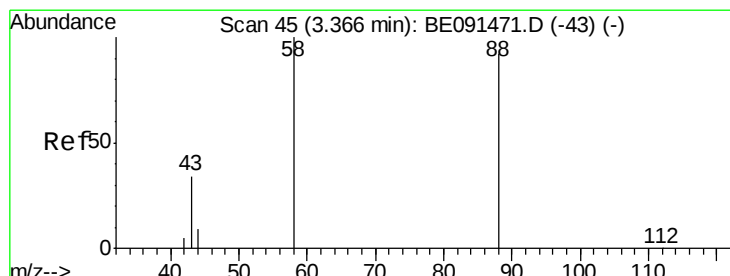
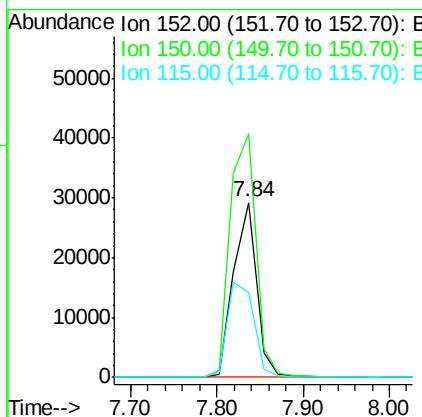
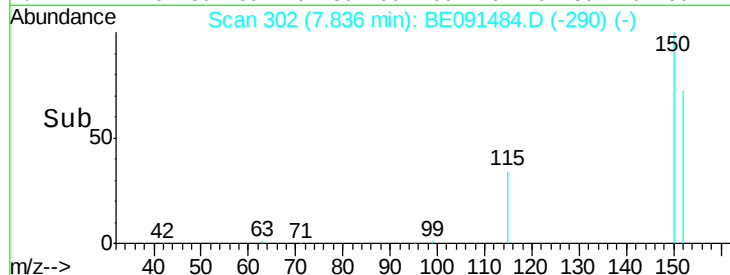
Instrument :
 BNA_E
 ClientSampled :
 MDL-04-W



Tgt Ion: 152 Resp: 54076
 Ion Ratio Lower Upper
 152 100
 150 139.1 122.2 183.2
 115 48.2 45.9 68.9

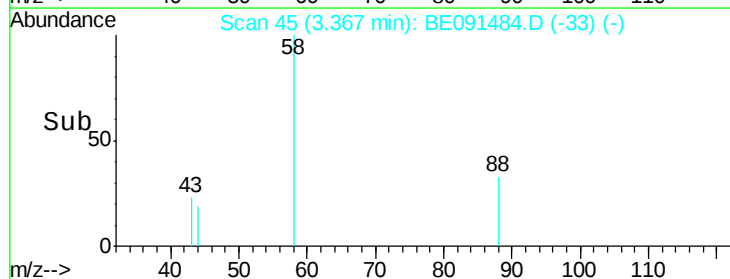
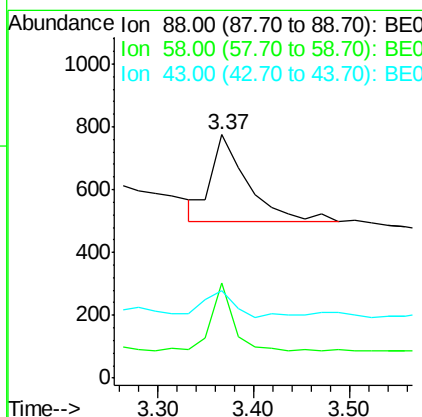
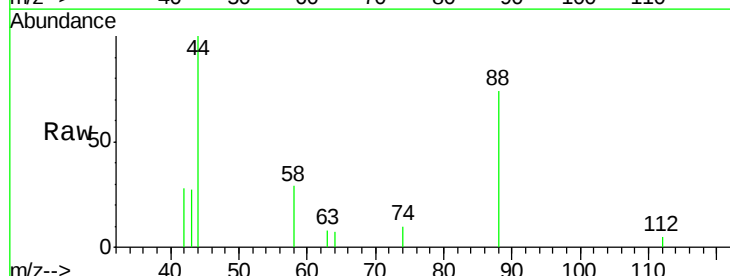
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#2
 1,4-Dioxane
 Concen: 0.11 ng
 RT: 3.37 min Scan# 45
 Delta R.T. 0.00 min
 Lab File: BE091484.D
 Acq: 18 Mar 2016 14:41

Tgt Ion: 88 Resp: 715
 Ion Ratio Lower Upper
 88 100
 58 49.0 61.0 91.6#
 43 20.4 25.4 38.2#





#3

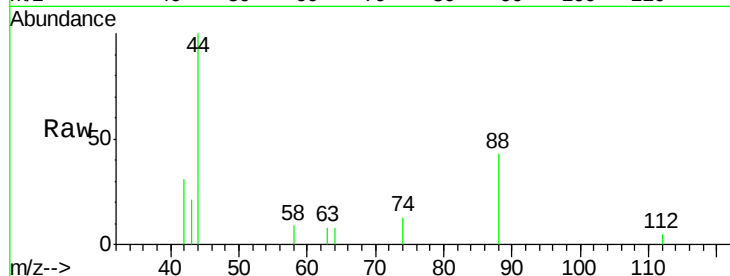
n-Nitrosodimethylamine
Concen: 0.03 ng
RT: 3.70 min Scan# 64
Delta R.T. 0.02 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

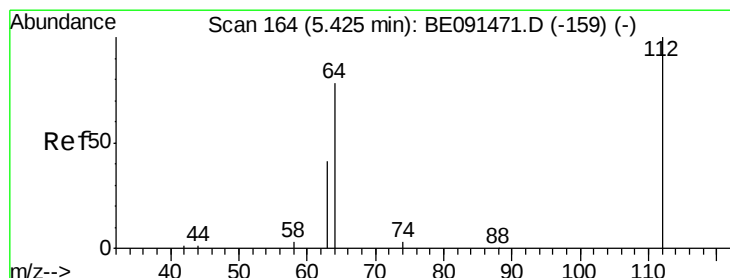
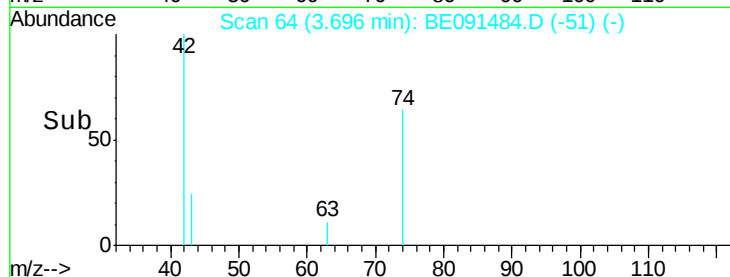
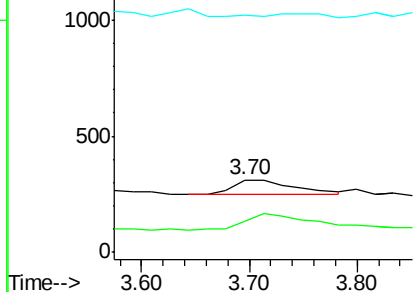
Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	84.3	126.5#
44	0.0	6.7	10.1#

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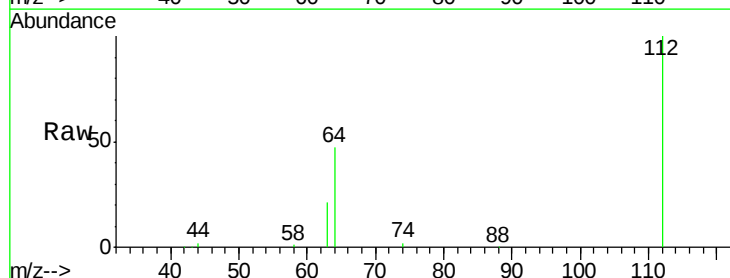
Abundance Ion 42.00 (41.70 to 42.70): BE0
Ion 74.00 (73.70 to 74.70): BE0
Ion 44.00 (43.70 to 44.70): BE0



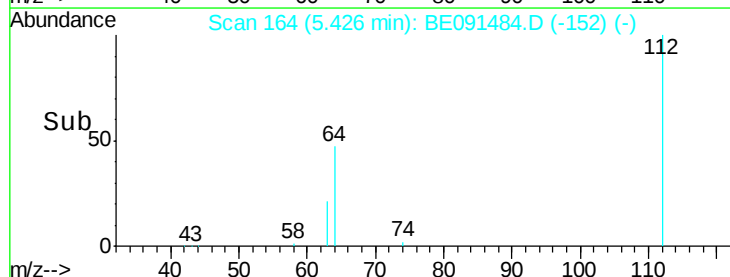
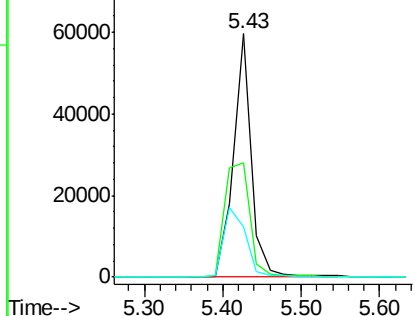
#4

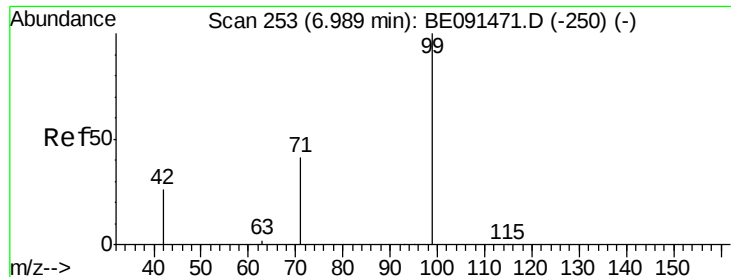
2-Fluorophenol
Concen: 7.64 ng
RT: 5.43 min Scan# 164
Delta R.T. 0.00 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.0	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: BE091484.D

Acq: 18 Mar 2016 14:41

Instrument :

BNA_E

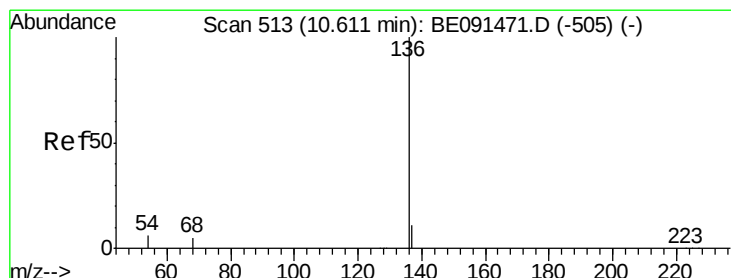
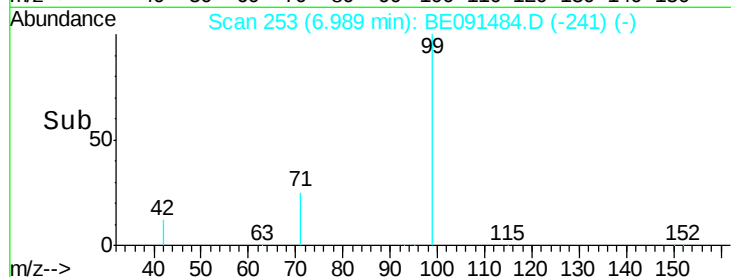
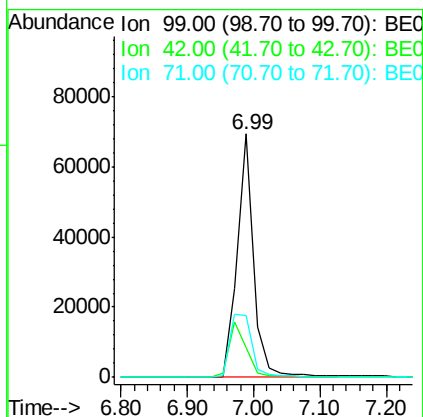
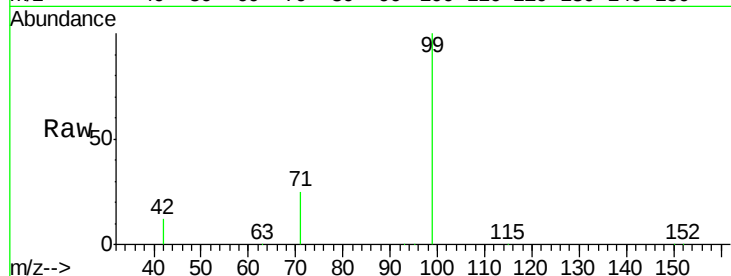
ClientSampleId :

MDL-04-W

Tgt Ion:	99	Resp:	119867
Ion Ratio	Lower	Upper	
99	100		
42	24.2	20.6	30.8
71	35.0	29.0	43.4

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#6

Naphthalene-d8

Concen: 5.00 ng

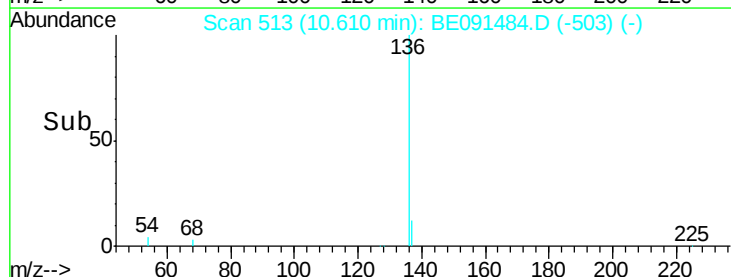
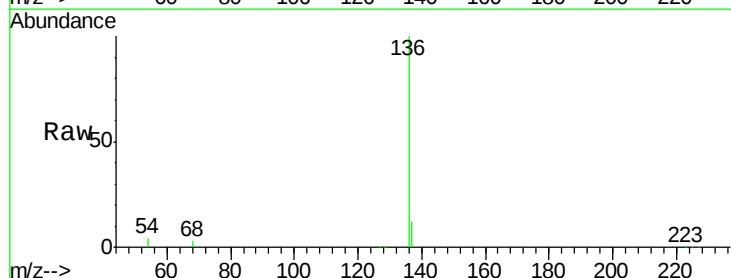
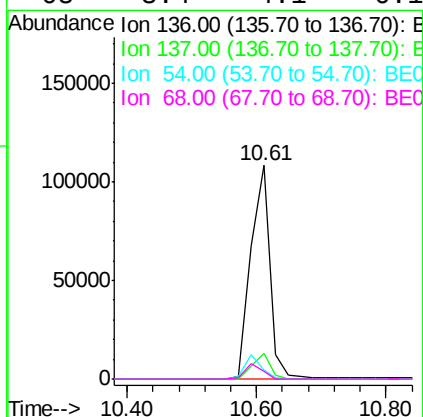
RT: 10.61 min Scan# 513

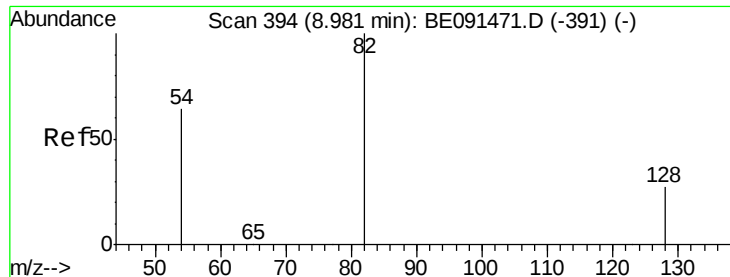
Delta R.T. -0.00 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Tgt Ion:	136	Resp:	224272
Ion Ratio	Lower	Upper	
136	100		
137	12.0	8.8	13.2
54	4.1	5.2	7.8#
68	3.4	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: BE091484.D

Acq: 18 Mar 2016 14:41

Instrument :

BNA_E

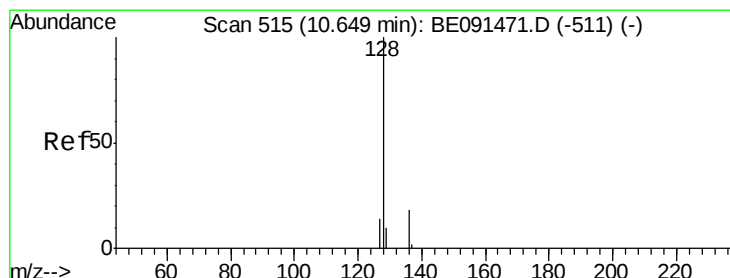
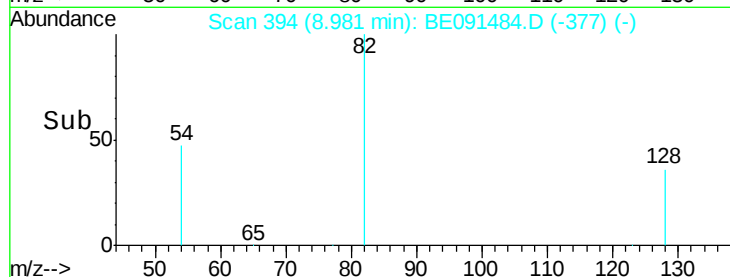
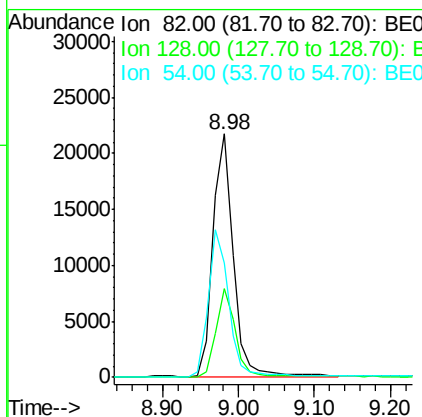
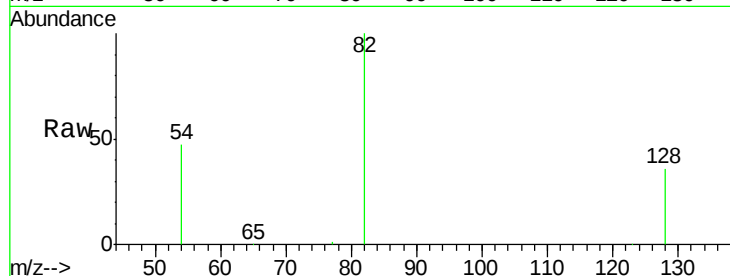
ClientSampleId :

MDL-04-W

Tgt Ion:	82	Resp:	40333
Ion Ratio	Lower	Upper	
82	100		
128	36.4	23.5	35.3#
54	46.7	52.4	78.6#

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#8

Naphthalene

Concen: 0.06 ng

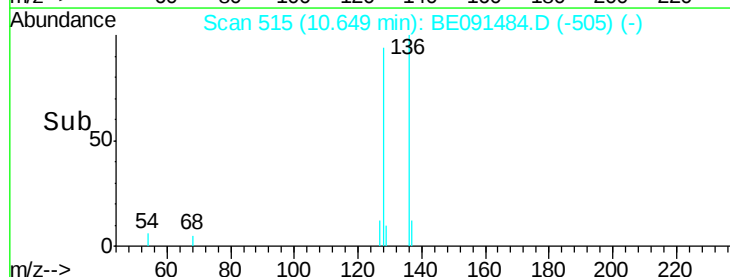
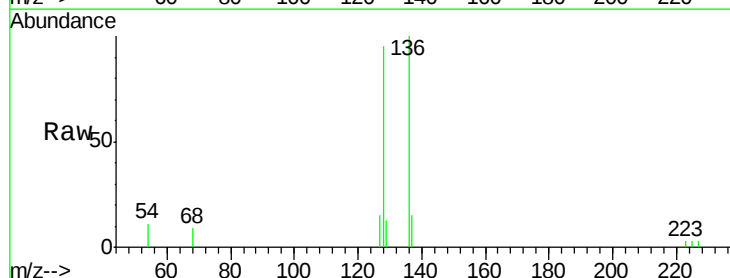
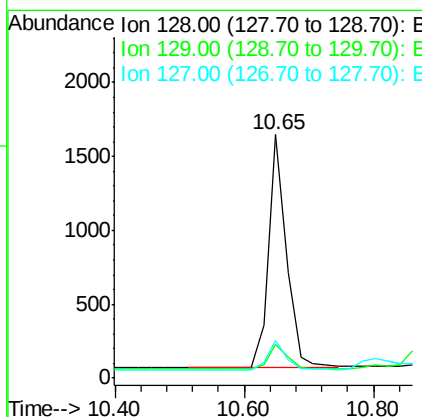
RT: 10.65 min Scan# 515

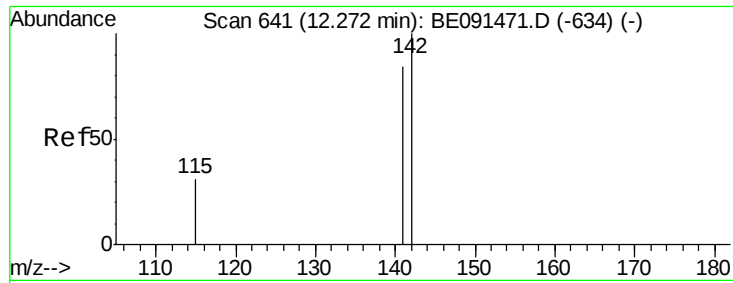
Delta R.T. -0.00 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Tgt Ion:	128	Resp:	3073
Ion Ratio	Lower	Upper	
128	100		
129	13.8	8.2	12.2#
127	15.7	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: BE091484.D

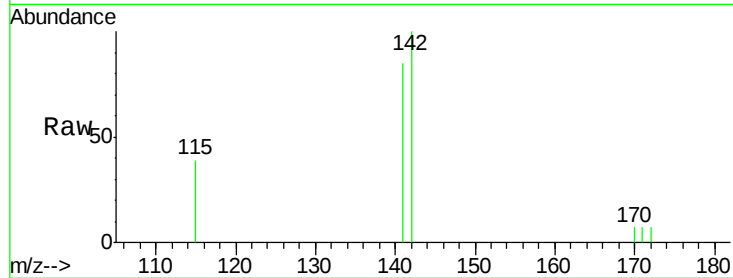
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Instrument :

BNA_E

ClientSampleId :

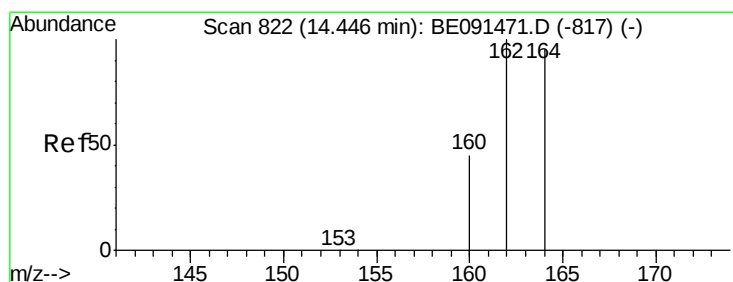
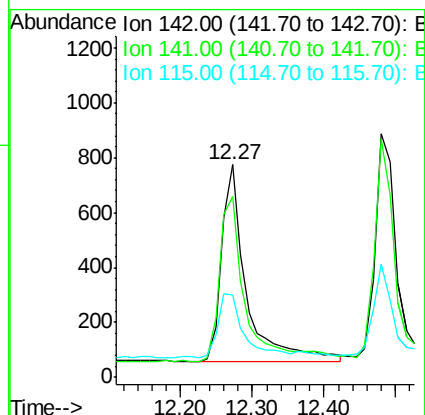
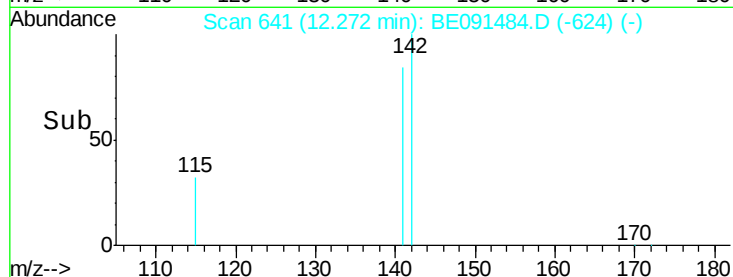
MDL-04-W



Tgt Ion:	142	Resp:	1728
Ion Ratio	Lower	Upper	
142	100		
141	85.0	66.9	100.3
115	38.8	25.1	37.7#

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#10

Acenaphthene-d10

Concen: 5.00 ng

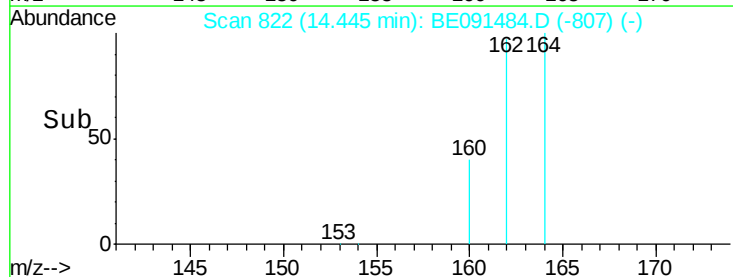
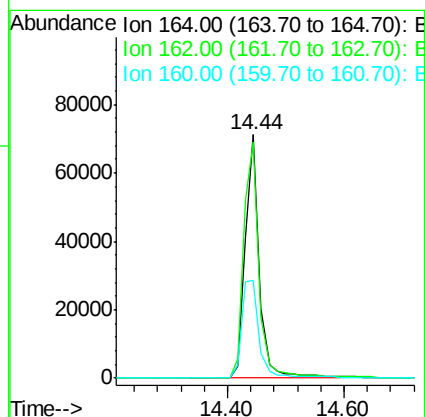
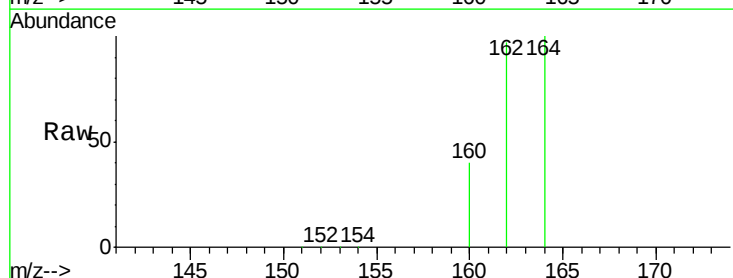
RT: 14.44 min Scan# 822

Delta R.T. -0.00 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

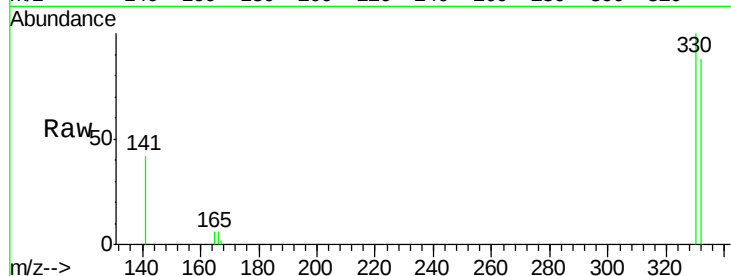
Tgt Ion:	164	Resp:	119913
Ion Ratio	Lower	Upper	
164	100		
162	96.8	84.4	126.6
160	40.2	37.7	56.5





#11
 2,4,6-Tribromophenol
 Concen: 6.31 ng
 RT: 15.92 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BE091484.D
 Acq: 18 Mar 2016 14:41

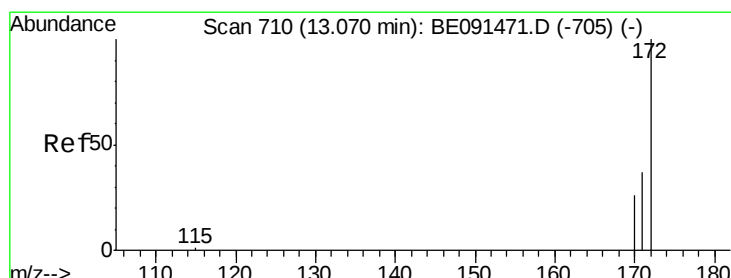
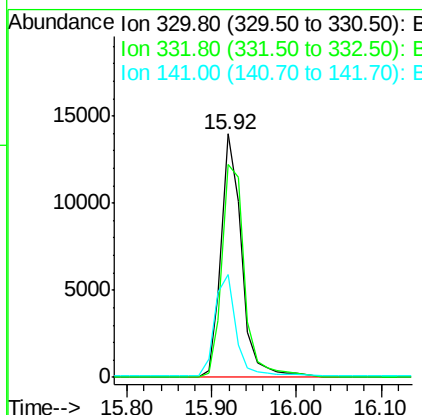
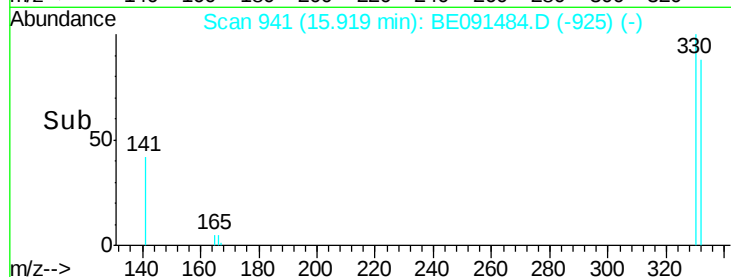
Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-W



Tgt Ion:330 Resp: 27659
 Ion Ratio Lower Upper
 330 100
 332 96.7 79.2 118.8
 141 43.9 28.1 42.1#

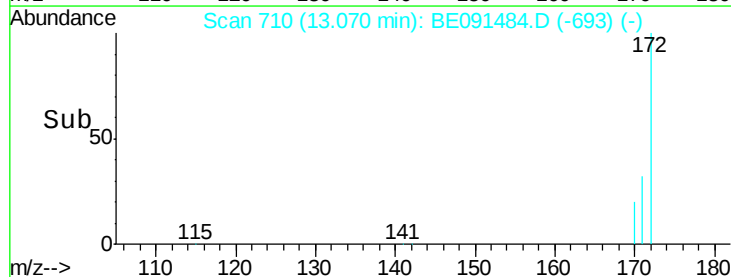
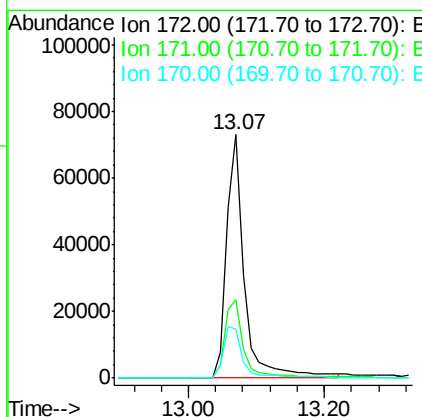
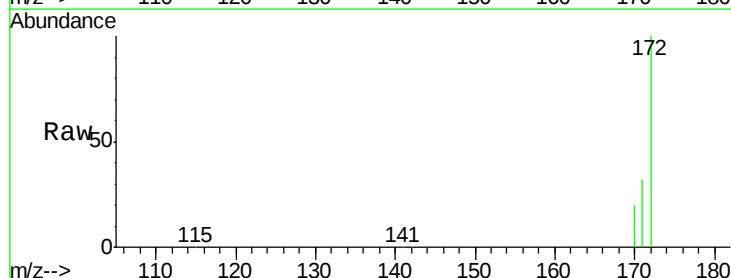
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#12
 2-Fluorobiphenyl
 Concen: 4.49 ng
 RT: 13.07 min Scan# 710
 Delta R.T. -0.00 min
 Lab File: BE091484.D
 Acq: 18 Mar 2016 14:41

Tgt Ion:172 Resp: 135550
 Ion Ratio Lower Upper
 172 100
 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: BE091484.D

Acq: 18 Mar 2016 14:41

Instrument :

BNA_E

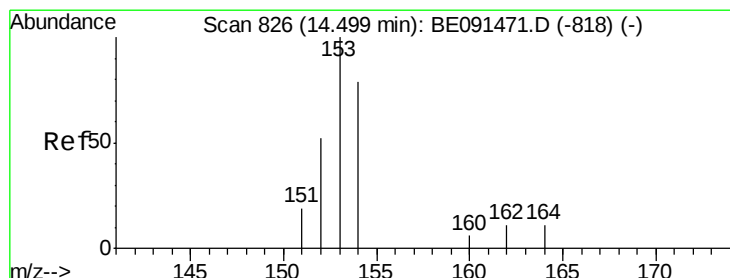
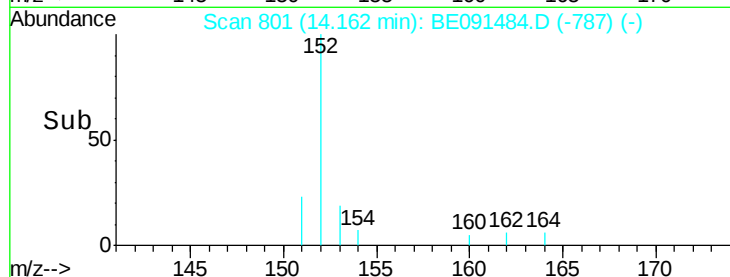
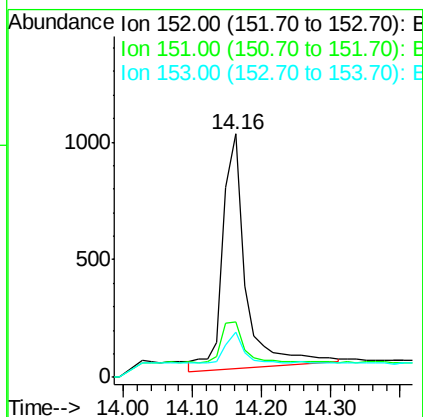
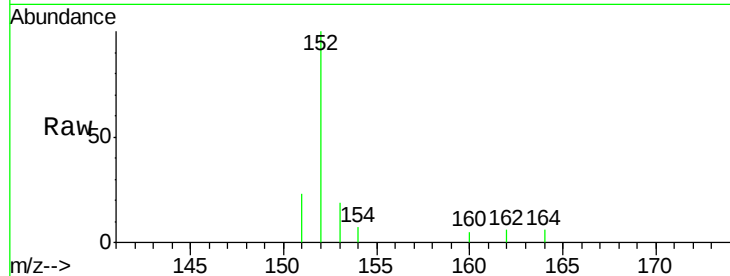
ClientSampleId :

MDL-04-W

Tgt Ion:	152	Resp:	2324
Ion Ratio	Lower	Upper	
152	100		
151	28.4	16.3	24.5#
153	16.4	11.1	16.7

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#14

Acenaphthene

Concen: 0.05 ng

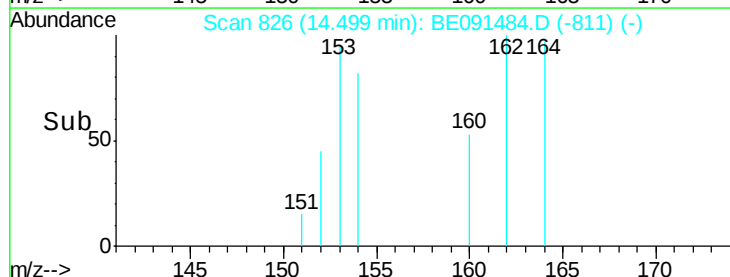
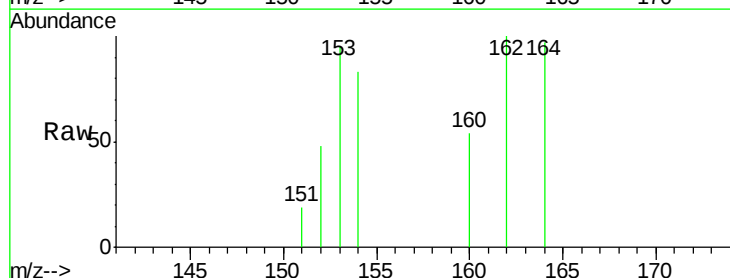
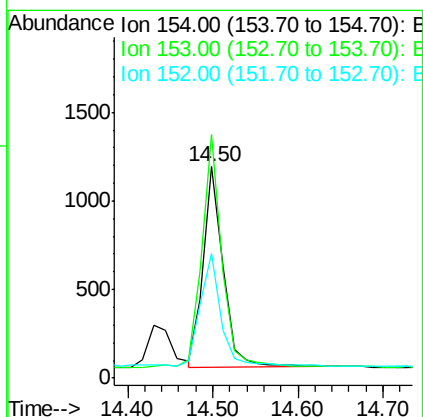
RT: 14.50 min Scan# 826

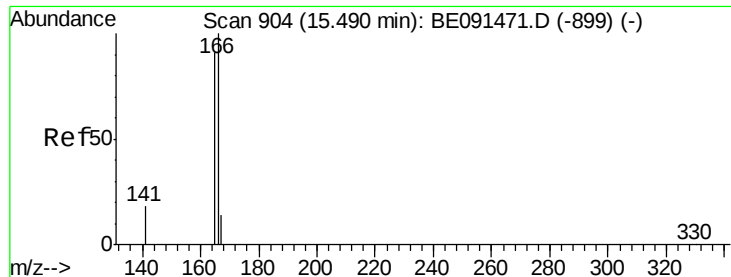
Delta R.T. -0.00 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Tgt Ion:	154	Resp:	1861
Ion Ratio	Lower	Upper	
154	100		
153	117.8	87.3	130.9
152	57.2	42.9	64.3





#15

Fluorene

Concen: 0.05 ng

RT: 15.48 min Scan# 903

Delta R.T. -0.01 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Instrument :

BNA_E

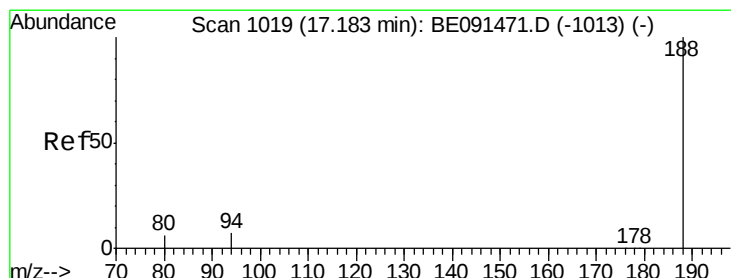
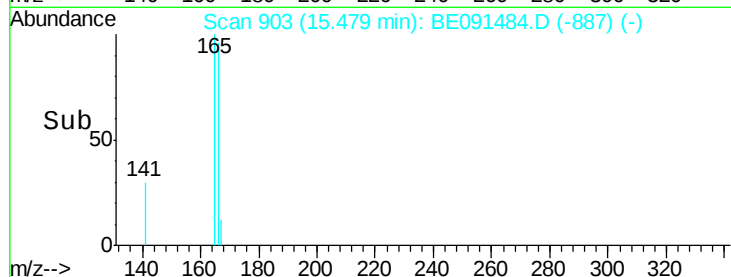
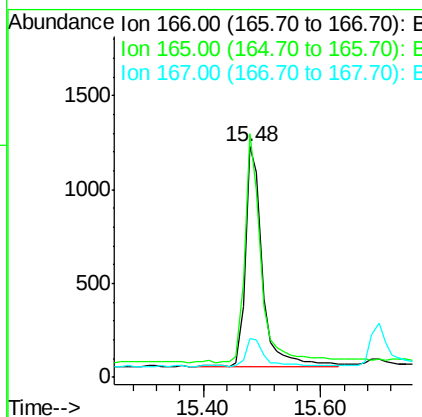
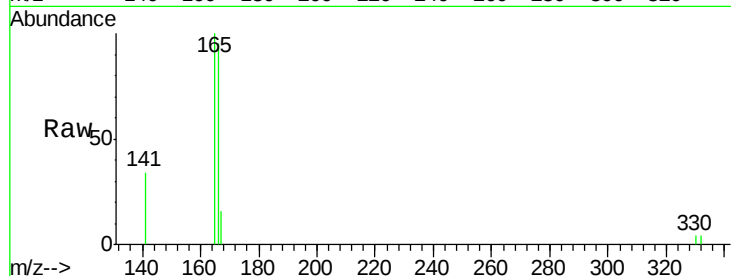
ClientSampleId :

MDL-04-W

Tgt Ion:	166	Resp:	2344
Ion Ratio	Lower	Upper	
166	100		
165	100.1	79.2	118.8
167	14.6	10.8	16.2

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#16

Phenanthrene-d10

Concen: 5.00 ng

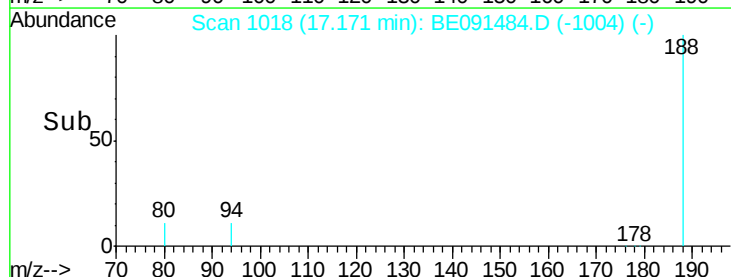
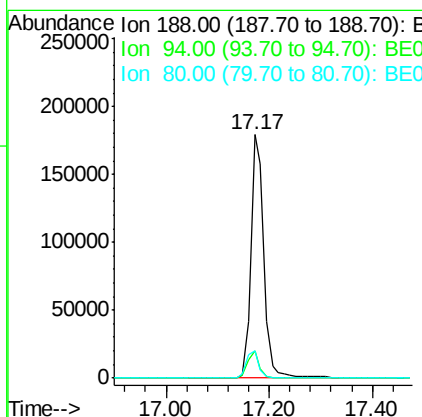
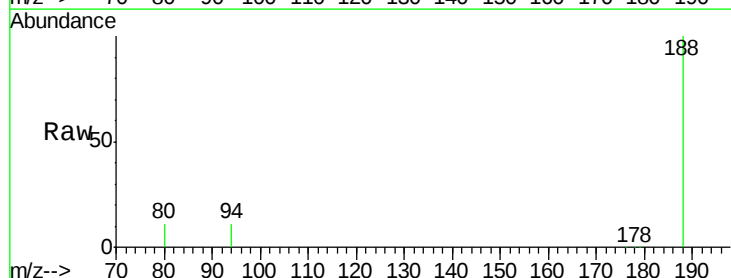
RT: 17.17 min Scan# 1018

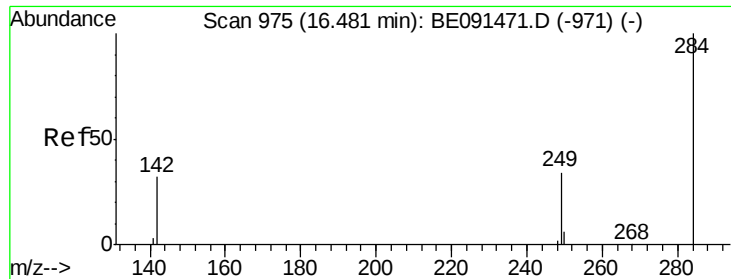
Delta R.T. -0.01 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Tgt Ion:	188	Resp:	312248
Ion Ratio	Lower	Upper	
188	100		
94	11.0	5.4	8.2#
80	11.1	5.0	7.4#





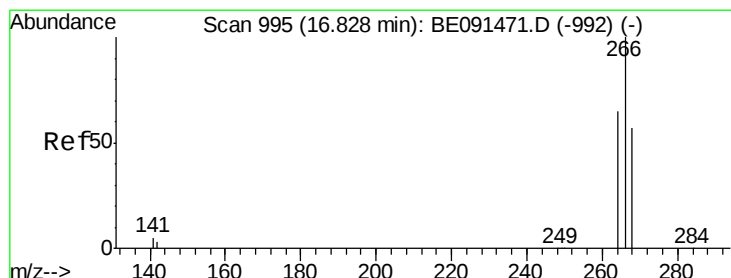
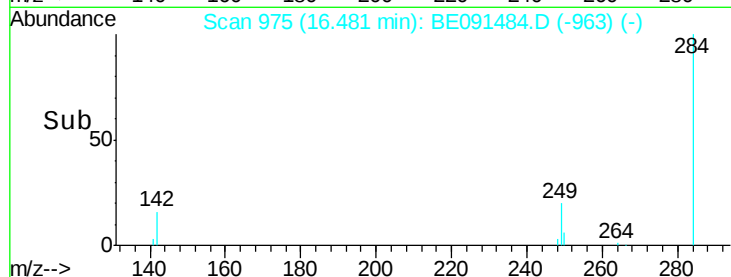
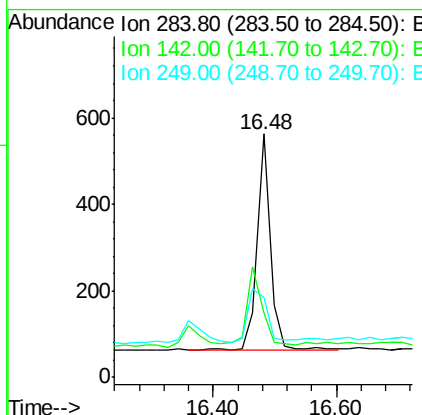
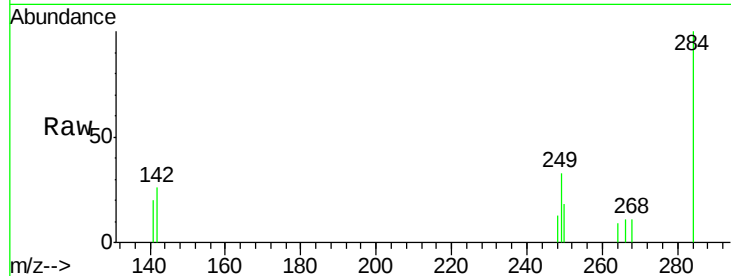
#17
Hexachlorobenzene
Concen: 0.06 ng
RT: 16.48 min Scan# 975
Delta R.T. -0.00 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
284	100		
142	39.8	31.0	46.4
249	32.8	25.8	38.8

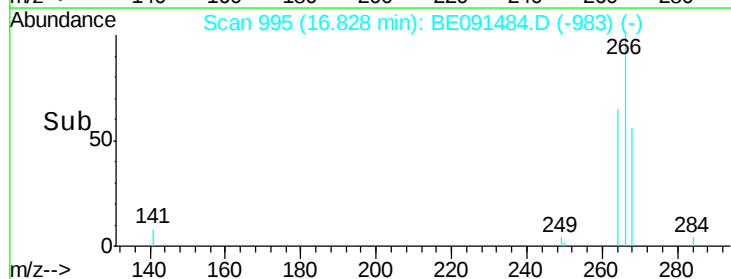
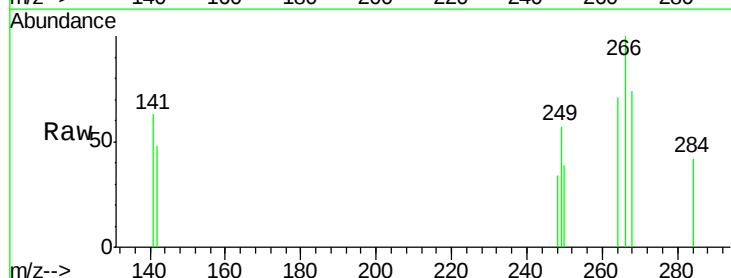
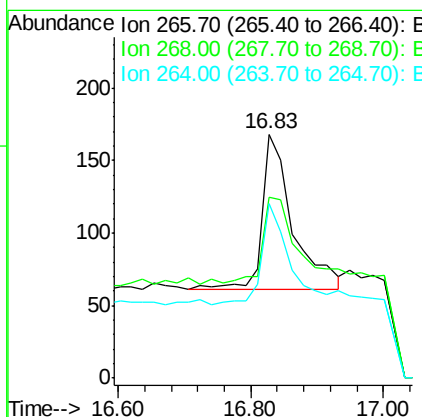
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#18
Pentachlorophenol
Concen: 0.25 ng
RT: 16.83 min Scan# 995
Delta R.T. 0.00 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Tgt Ion	Ratio	Lower	Upper
266	100		
268	74.4	48.2	72.2#
264	71.4	52.1	78.1





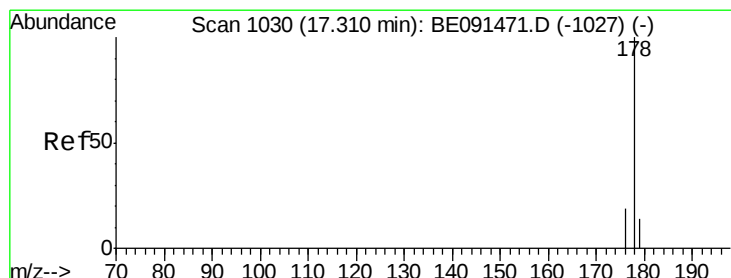
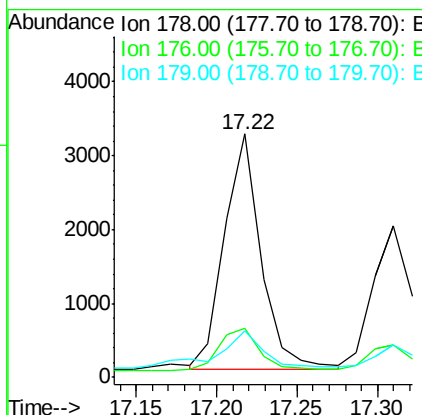
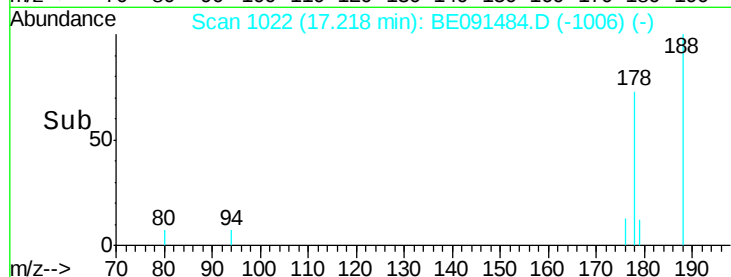
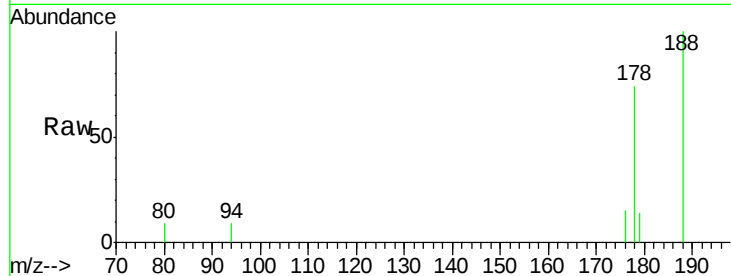
#19
Phenanthrene
Concen: 0.06 ng m
RT: 17.22 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	11.8	15.5	23.3#
179	9.9	13.1	19.7#

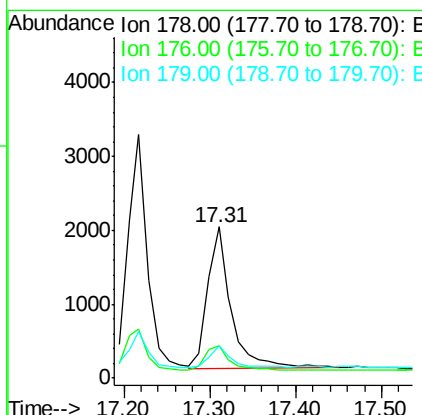
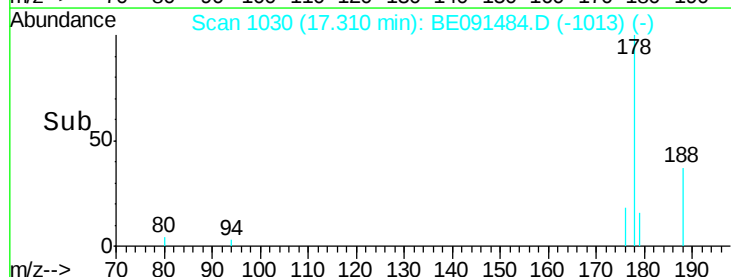
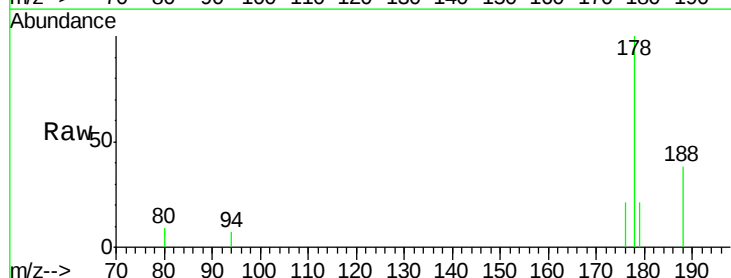
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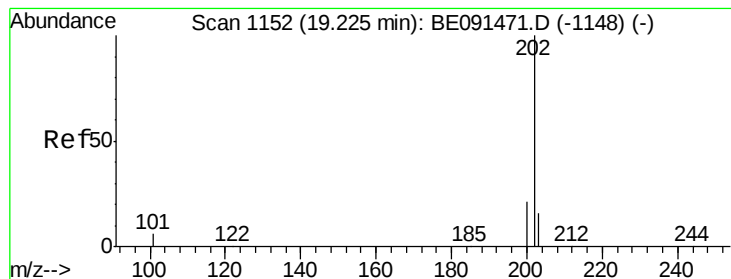
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#20
Anthracene
Concen: 0.05 ng
RT: 17.31 min Scan# 1030
Delta R.T. -0.00 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	15.5	12.2	18.4





#21

Fluoranthene

Concen: 0.05 ng

RT: 19.22 min Scan# 1152

Delta R.T. -0.00 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Instrument :

BNA_E

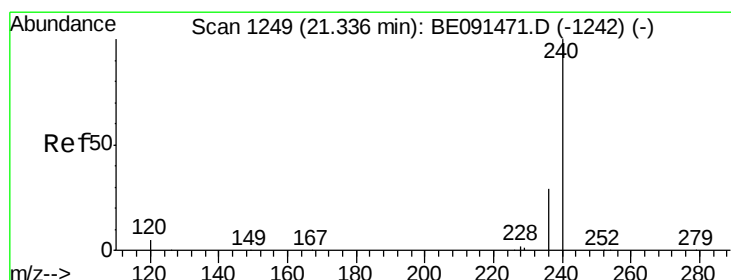
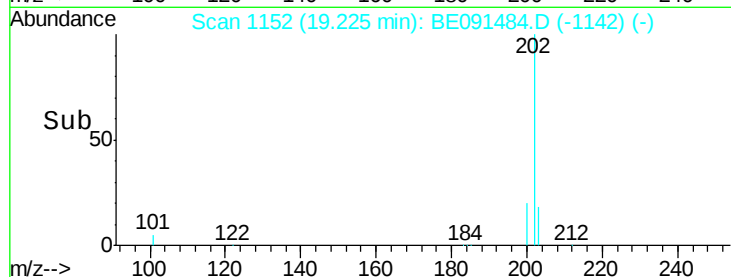
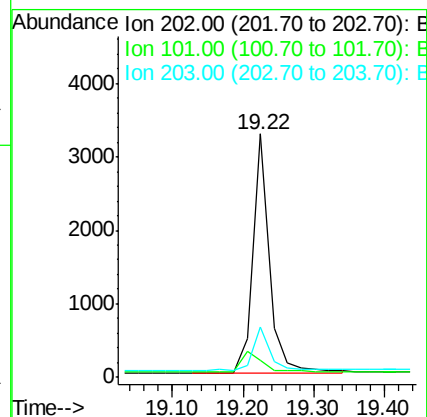
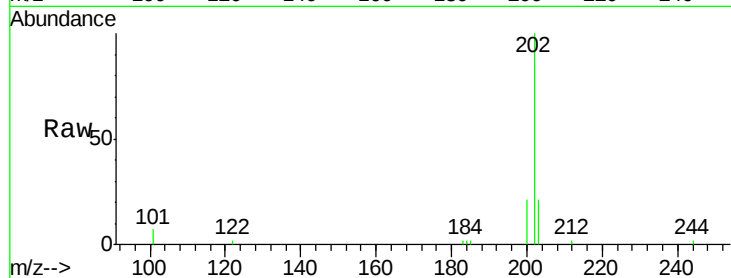
ClientSampleId :

MDL-04-W

Tgt	Ion	202	Resp:	5422
Ion	Ratio	Lower	Upper	
202	100			
101	11.6	8.3	12.5	
203	19.1	13.9	20.9	

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#22

Chrysene-d12

Concen: 5.00 ng

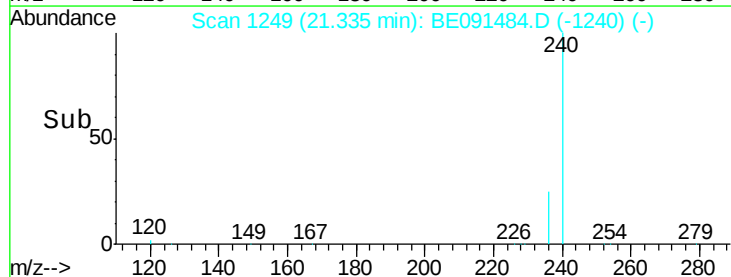
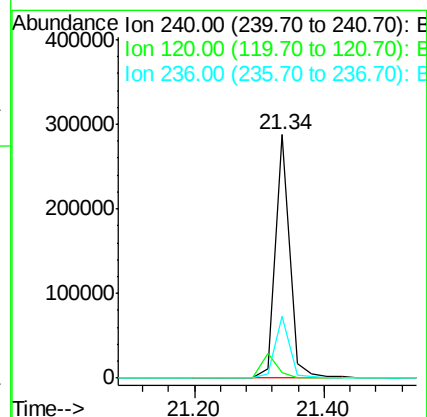
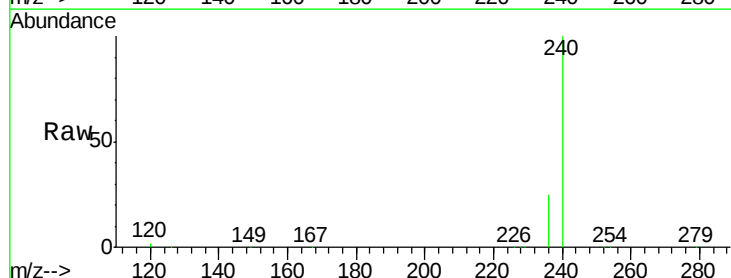
RT: 21.34 min Scan# 1249

Delta R.T. -0.00 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Tgt	Ion	240	Resp:	450300
Ion	Ratio	Lower	Upper	
240	100			
120	2.4	4.0	6.0#	
236	25.2	23.0	34.4	





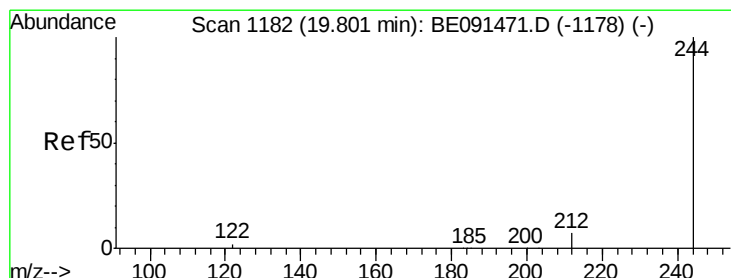
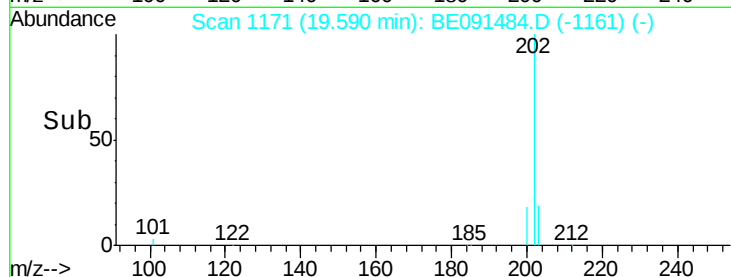
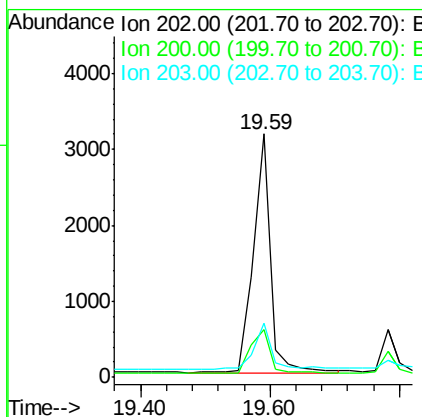
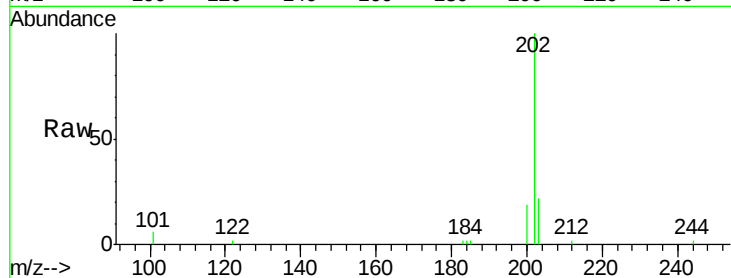
#23
Pyrene
Concen: 0.05 ng
RT: 19.59 min Scan# 1171
Delta R.T. -0.00 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.4	24.6
203	19.6	14.6	21.8

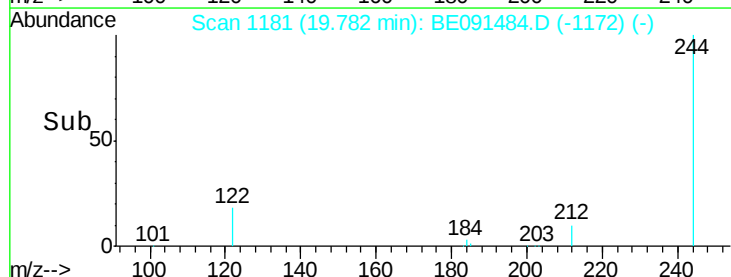
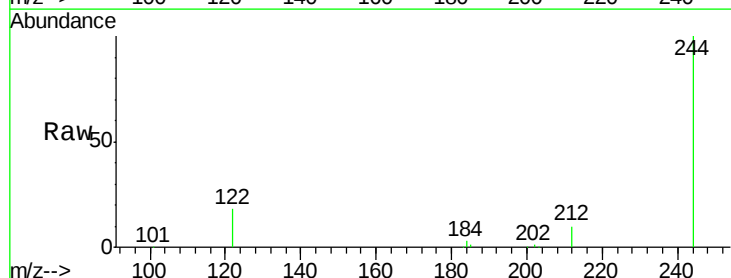
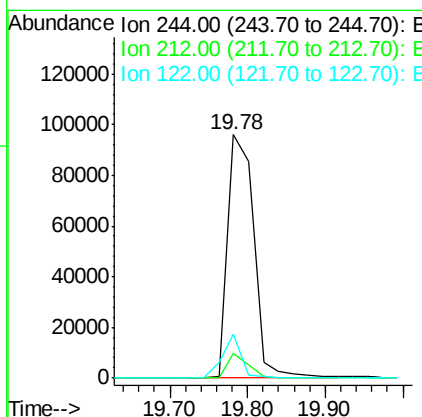
Manual Integrations
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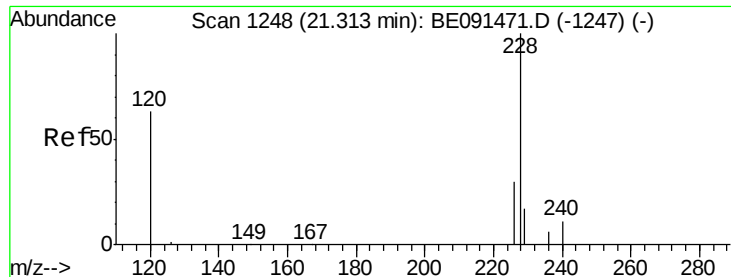
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#24
Terphenyl-d14
Concen: 4.14 ng
RT: 19.78 min Scan# 1181
Delta R.T. -0.02 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Tgt Ion	Ratio	Lower	Upper
244	100		
212	10.1	5.8	8.8#
122	18.1	1.8	2.8#





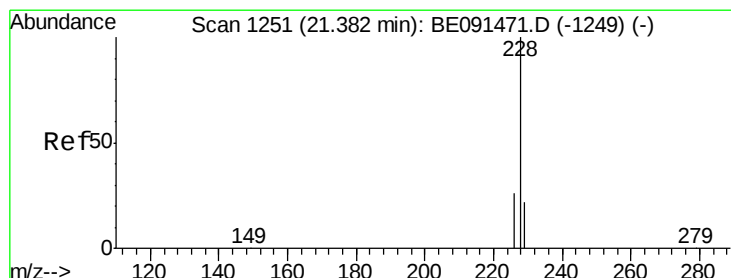
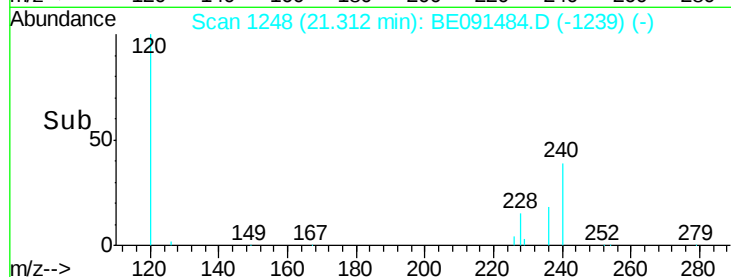
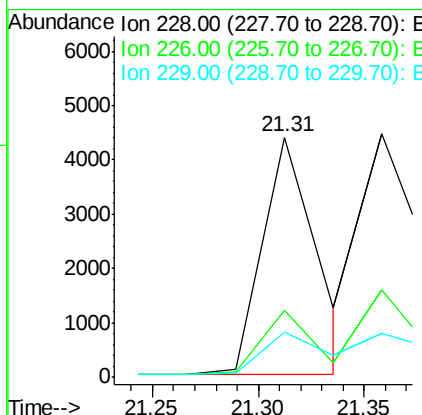
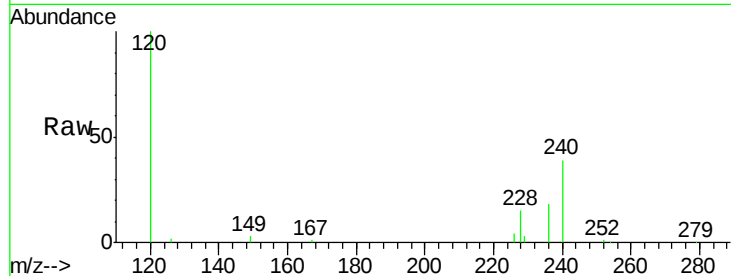
#25
Benzo(a)anthracene
Concen: 0.06 ng m
RT: 21.31 min Scan# 1248
Delta R.T. -0.00 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.7	24.0	36.0
229	19.0	13.8	20.6

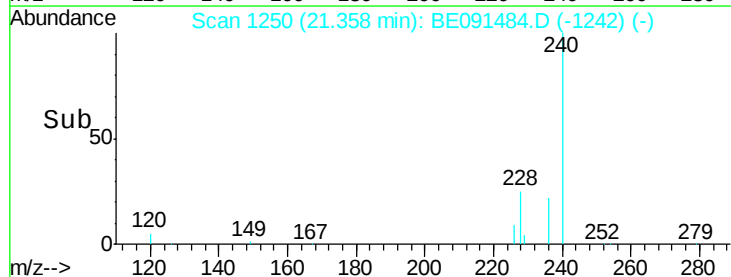
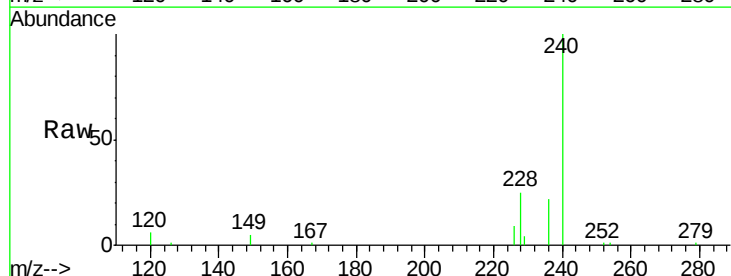
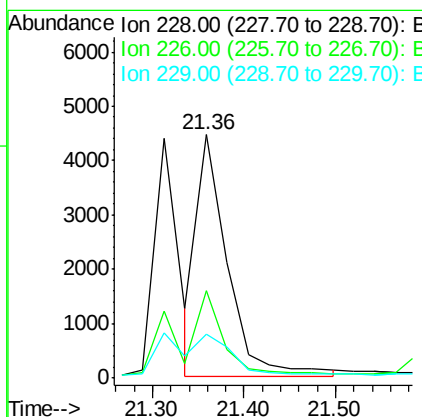
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#26
Chrysene
Concen: 0.08 ng m
RT: 21.36 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.8	18.9	28.3#
229	17.8	19.1	28.7#





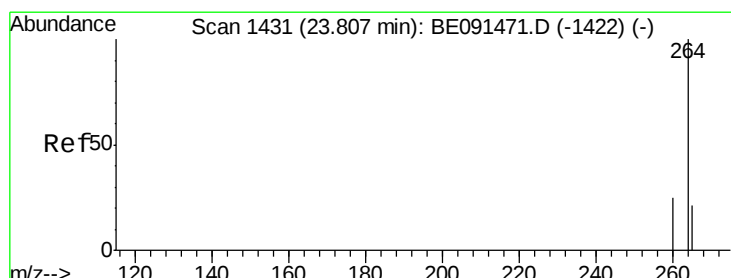
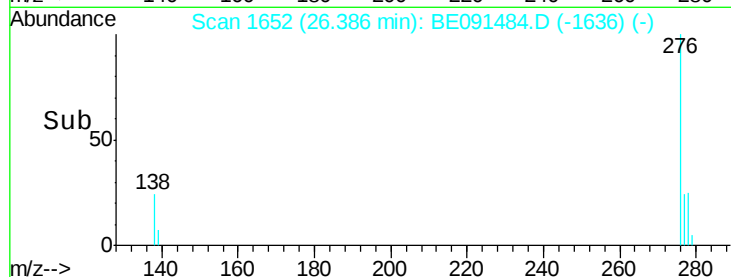
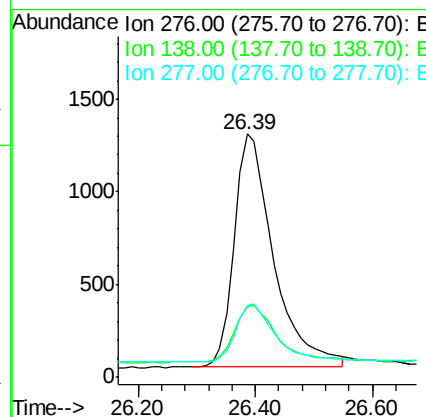
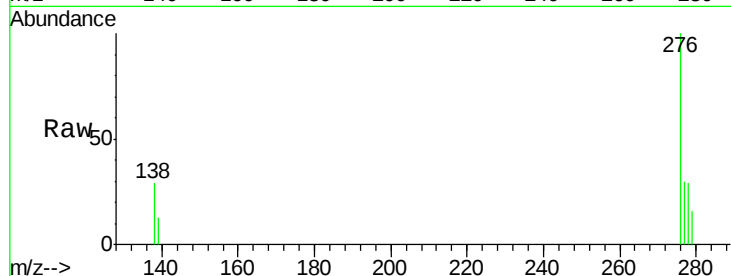
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.05 ng
RT: 26.39 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	20.2	30.4
277	25.2	19.8	29.8

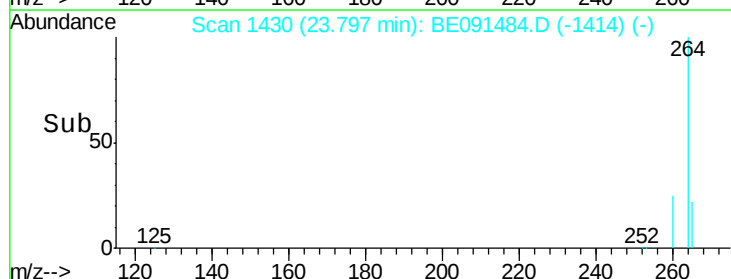
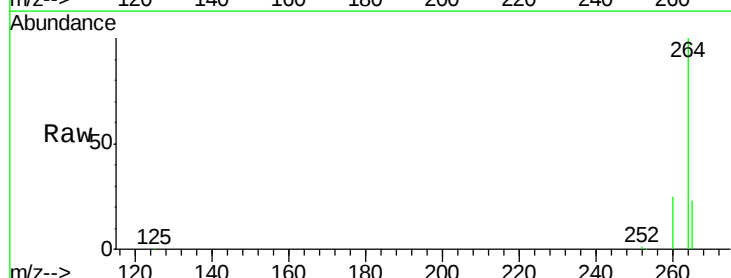
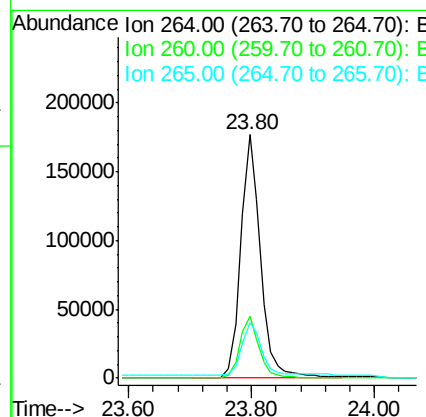
Manual Integrations
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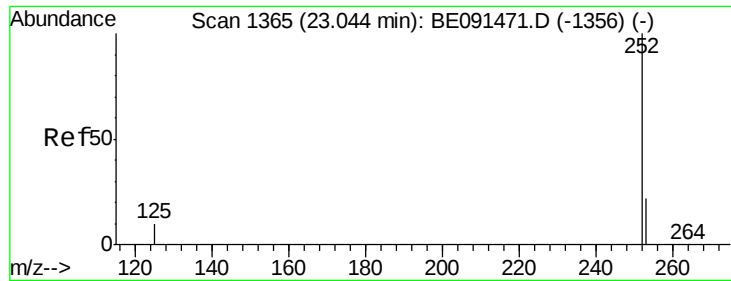
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#28
Perylene-d12
Concen: 5.00 ng
RT: 23.80 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE091484.D
Acq: 18 Mar 2016 14:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.1	30.1
265	23.0	18.3	27.5





#29

Benzo(b)fluoranthene

Concen: 0.07 ng

RT: 23.05 min Scan# 1365

Delta R.T. 0.00 min

Lab File: BE091484.D

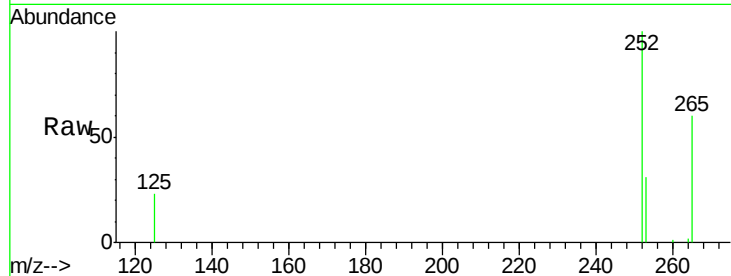
Acq: 18 Mar 2016 14:41

Instrument :

BNA_E

ClientSampled :

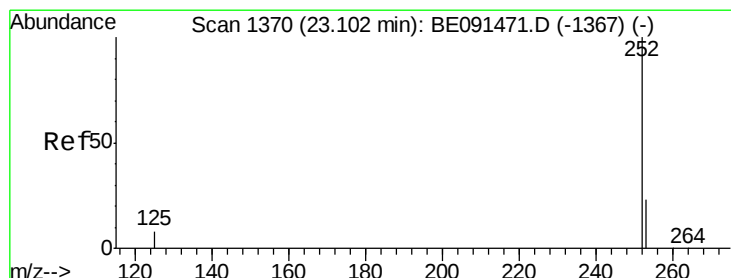
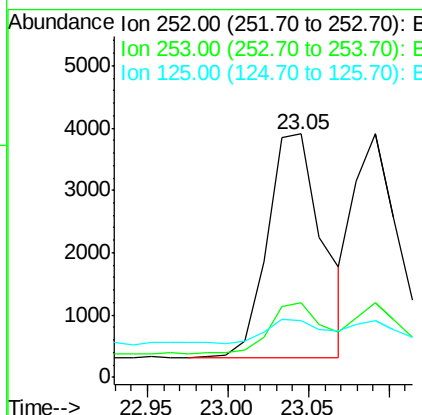
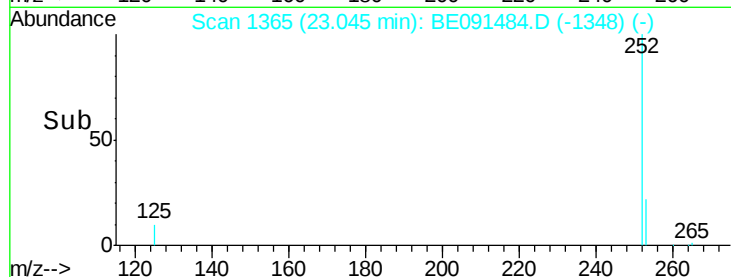
MDL-04-W



Tgt Ion:	252	Resp:	8574
Ion Ratio	Lower	Upper	
252	100		
253	30.5	18.7	28.1#
125	23.5	9.8	14.6#

Manual Integrations
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#30

Benzo(k)fluoranthene

Concen: 0.06 ng

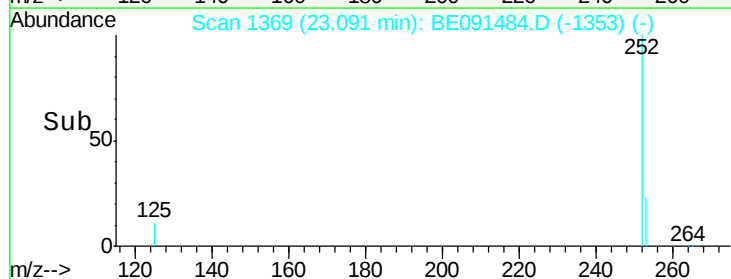
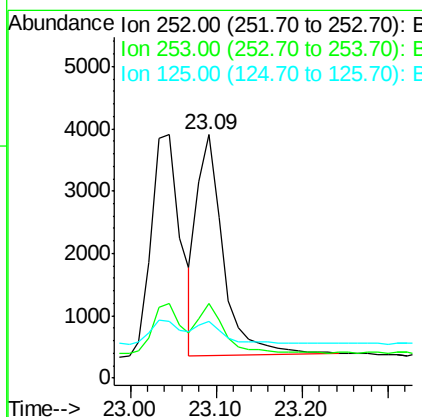
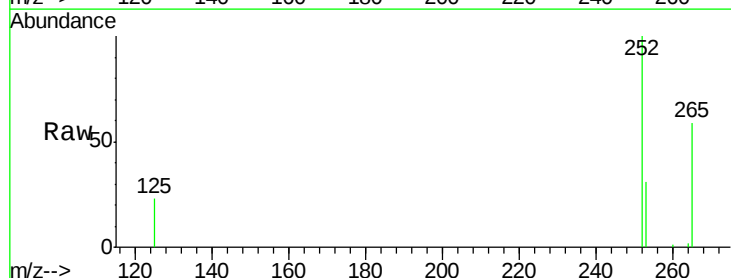
RT: 23.09 min Scan# 1369

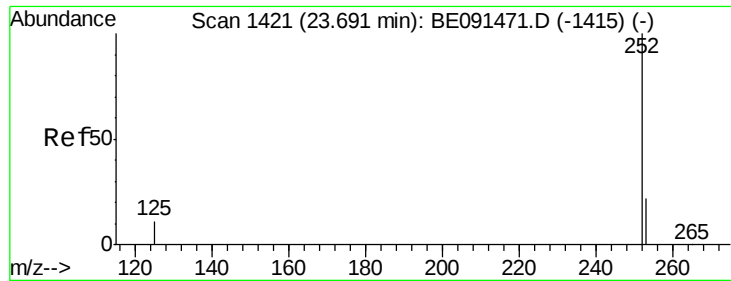
Delta R.T. -0.01 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Tgt Ion:	252	Resp:	7487
Ion Ratio	Lower	Upper	
252	100		
253	30.8	20.2	30.4#
125	23.4	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: BE091484.D

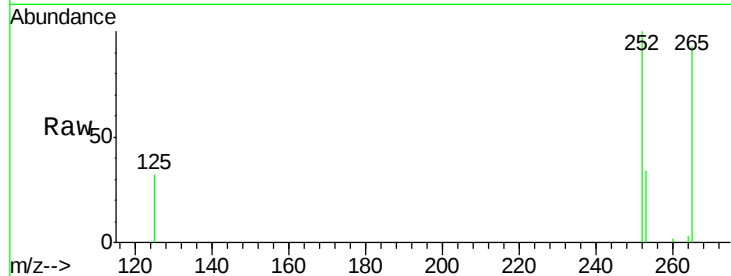
Acq: 18 Mar 2016 14:41

Instrument :

BNA_E

ClientSampleId :

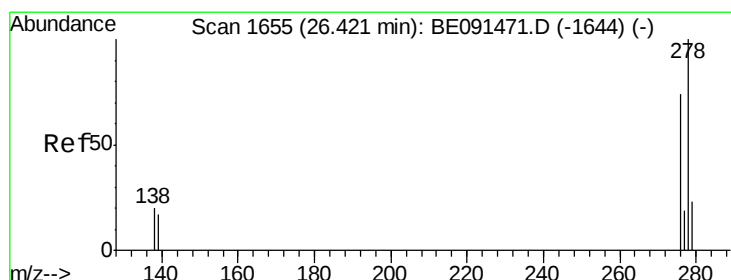
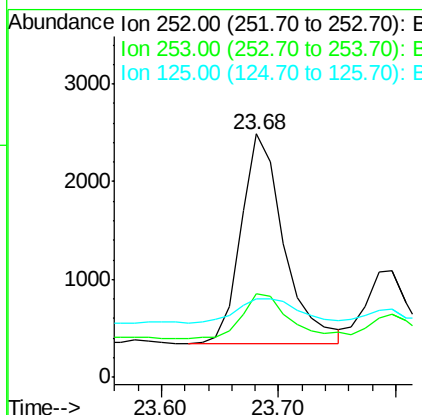
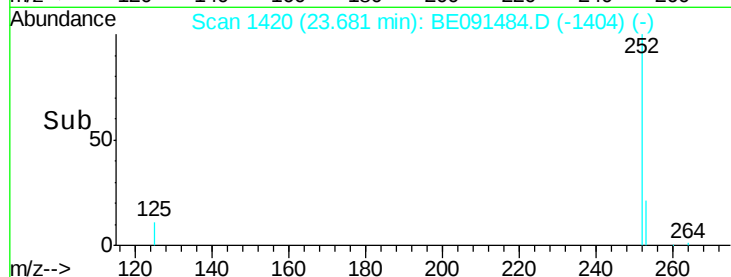
MDL-04-W



Tgt Ion:	252	Resp:	5523
Ion Ratio	Lower	Upper	
252	100		
253	34.2	19.4	29.0#
125	32.2	11.4	17.2#

Manual Integrations
APPROVED

UMANGI
3/22/2016 10:48:34 AM



#32

Dibenzo(a,h)anthracene

Concen: 0.04 ng

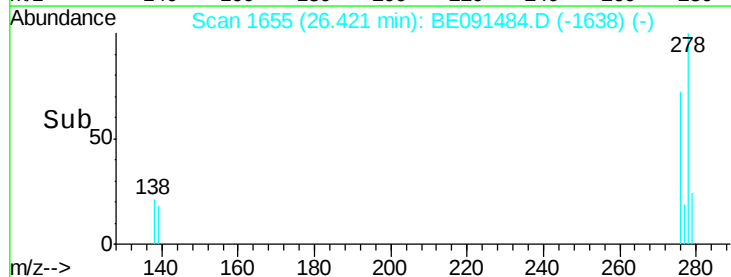
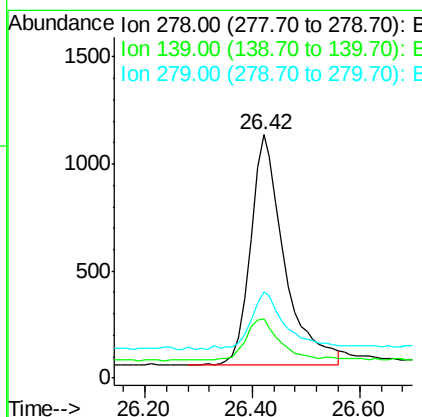
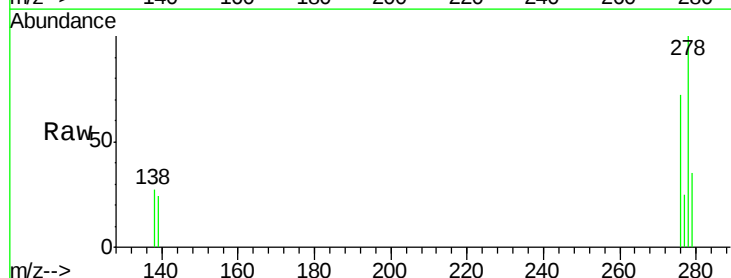
RT: 26.42 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE091484.D

Acq: 18 Mar 2016 14:41

Tgt Ion:	278	Resp:	4697
Ion Ratio	Lower	Upper	
278	100		
139	24.5	14.2	21.4#
279	35.3	19.6	29.4#





#33
 Benzo(g,h,i)perylene
 Concen: 0.05 ng
 RT: 27.18 min Scan# 1721
 Delta R.T. -0.00 min
 Lab File: BE091484.D
 Acq: 18 Mar 2016 14:41

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-W

Tgt	Ion	Ratio	Lower	Upper
276	100			
277	29.4	19.4	29.2#	
138	26.2	18.2	27.4	

Manual Integrations
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