

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089621.D
 Acq On : 18 Feb 2015 16:56
 Operator : TP/IZ
 Sample : MDL-01-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-W

Manual Integrations
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Quant Time: Feb 19 14:03:23 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 18 13:01:39 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	37507	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	149976	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	72888	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	143008	5.00	ng	0.00
19) Chrysene-d12	23.66	240	131712	5.00	ng	0.00
25) Perylene-d12	25.34	264	107711	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	31962	4.90	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	112381	5.76	ng	0.00
21) Terphenyl-d14	22.30	244	224148	11.84	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.75	88	143	0.03	ng	# 83
6) Naphthalene	12.29	128	1307	0.04	ng	# 88
7) 2-Methylnaphthalene	13.95	142	751	0.04	ng	94
10) Acenaphthylene	16.07	152	4666	0.04	ng	99
11) Acenaphthene	16.50	154	938	0.05	ng	93
12) Fluorene	17.74	166	1139	0.05	ng	98
14) Hexachlorobenzene	19.00	284	390	0.06	ng	92
15) Pentachlorophenol	19.44	266	43	0.02	ng	# 73
16) Phenanthrene	19.82	178	2310	0.07	ng	99
17) Anthracene	19.91	178	1547	0.05	ng	98
18) Fluoranthene	21.72	202	1783	0.05	ng	99
20) Pyrene	22.04	202	1932	0.06	ng	99
22) Benzo(a)anthracene	23.65	228	7245	0.06	ng	# 92
23) Chrysene	23.69	228	10913	0.08	ng	96
24) Indeno(1,2,3-cd)pyrene	26.74	276	2594	0.20	ng	# 88
26) Benzo(b)fluoranthene	24.91	252	581	0.29	ng	# 79
27) Benzo(k)fluoranthene	24.94	252	1257m	0.04	ng	
28) Benzo(a)pyrene	25.27	252	568	0.26	ng	# 74
29) Dibenzo(a,h)anthracene	26.77	278	385	0.25	ng	# 57
30) Benzo(g,h,i)perylene	27.17	276	2996	0.16	ng	# 70

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

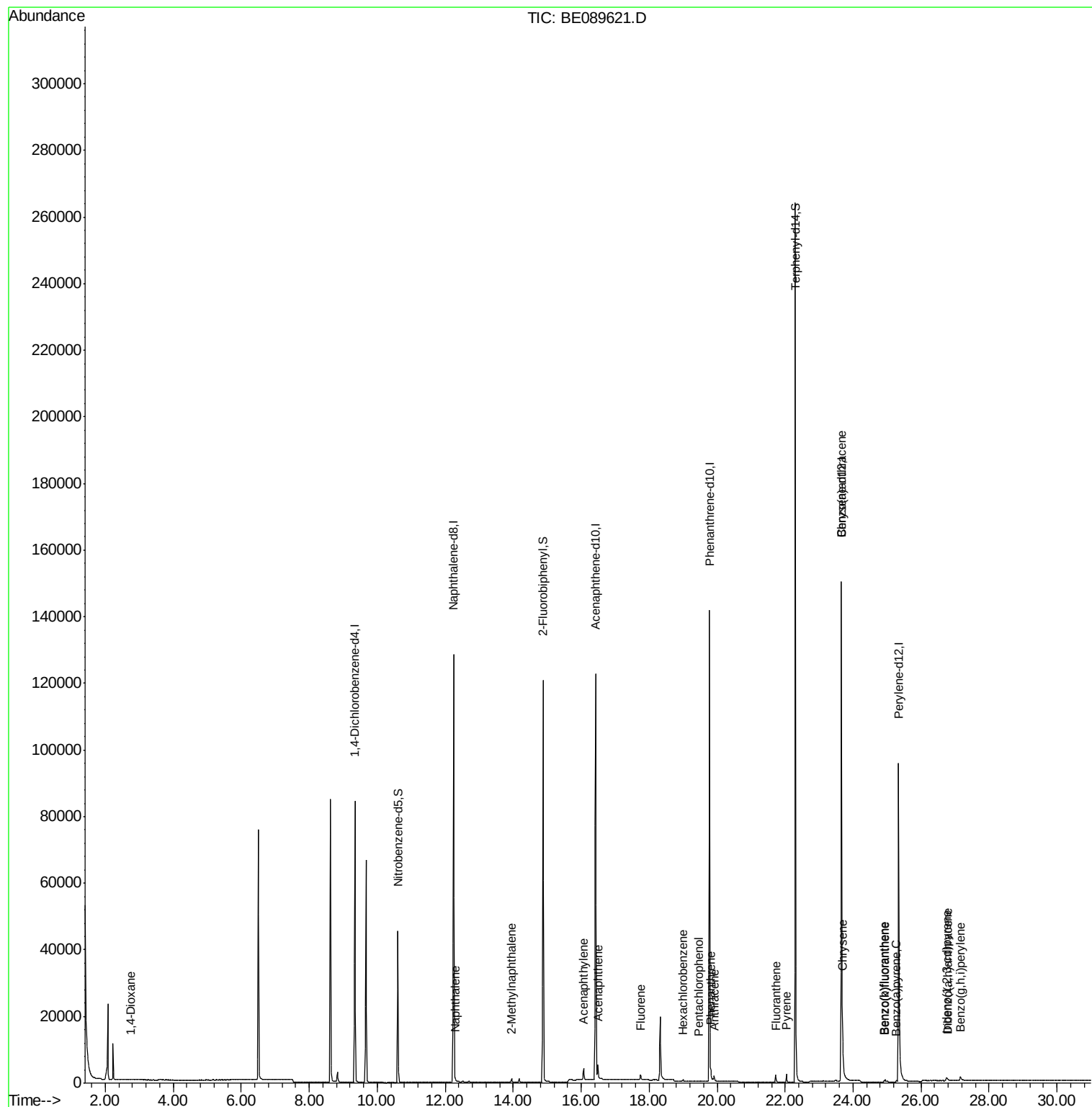
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
Data File : BE089621.D
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ALS Vial : 8 Sample Multiplier: 1

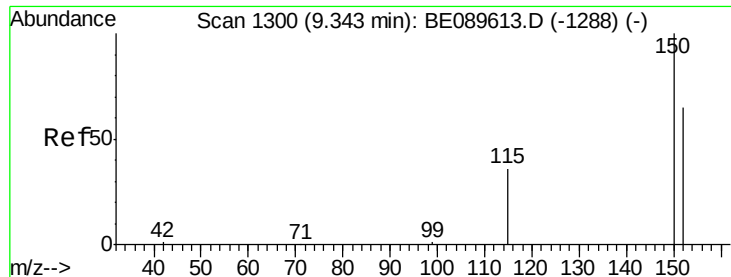
Instrument :
BNA_E
ClientSampleId :
MDL-01-W

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Quant Time: Feb 19 14:03:23 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE021815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 18 13:01:39 2015
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BE089621.D

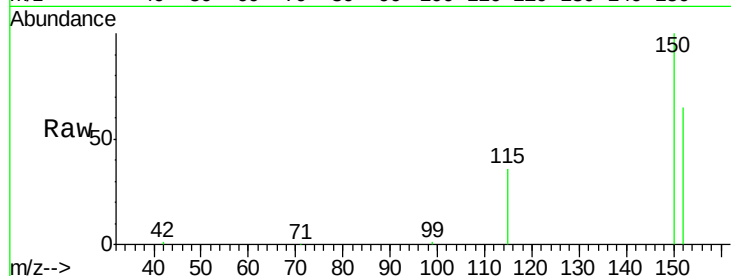
Acq: 18 Feb 2015 16:56

Instrument :

BNA_E

ClientSampleId :

MDL-01-W



Tgt Ion:152 Resp: 37507

Ion Ratio Lower Upper

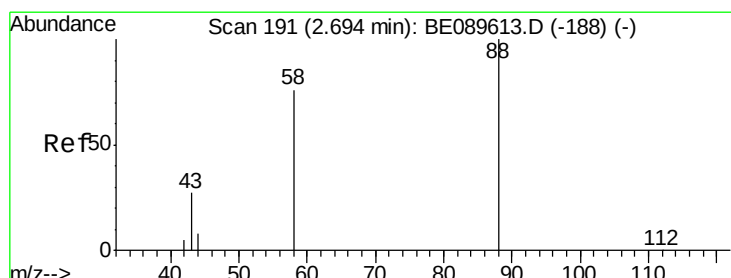
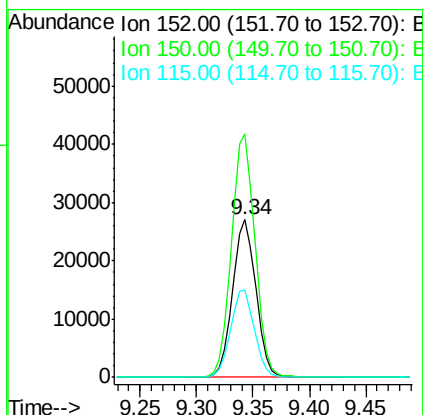
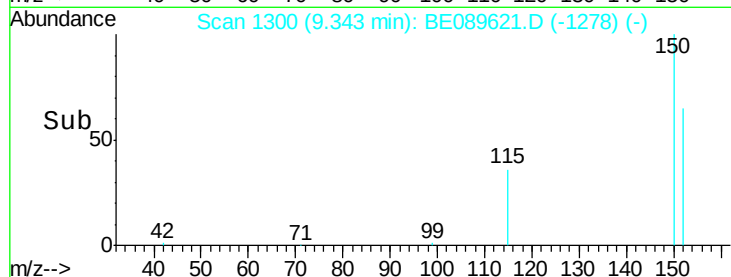
152 100

150 154.4 122.4 183.6

115 55.2 44.2 66.2

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#2

1,4-Dioxane

Concen: 0.03 ng

RT: 2.75 min Scan# 199

Delta R.T. 0.05 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

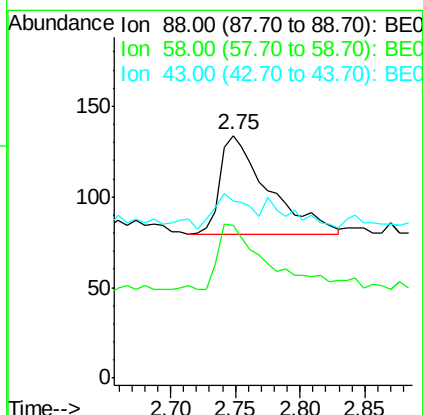
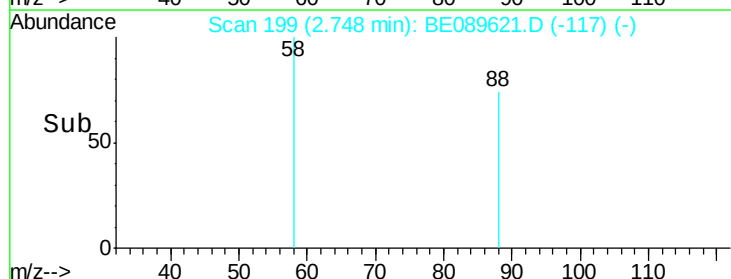
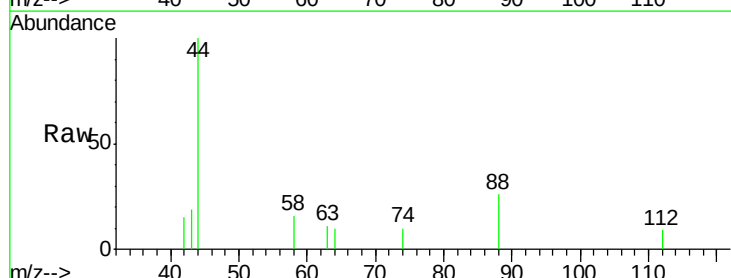
Tgt Ion: 88 Resp: 143

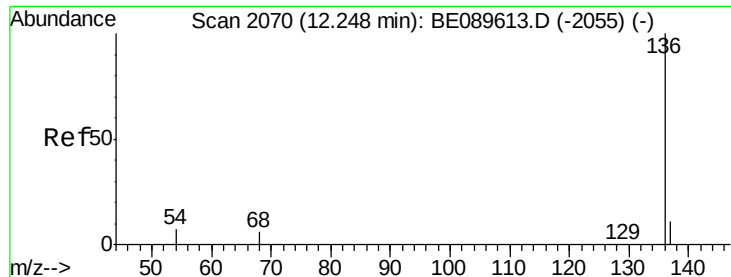
Ion Ratio Lower Upper

88 100

58 71.3 54.6 81.8

43 0.0 20.6 30.8#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Instrument :

BNA_E

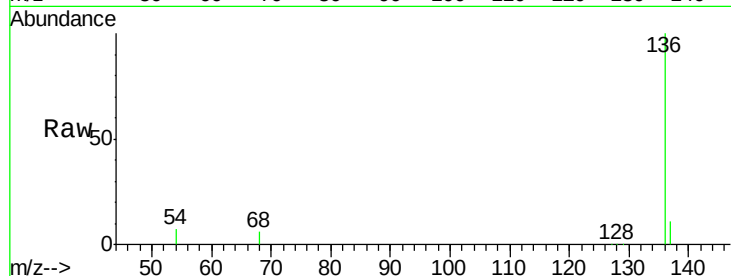
ClientSampleId :

MDL-01-W

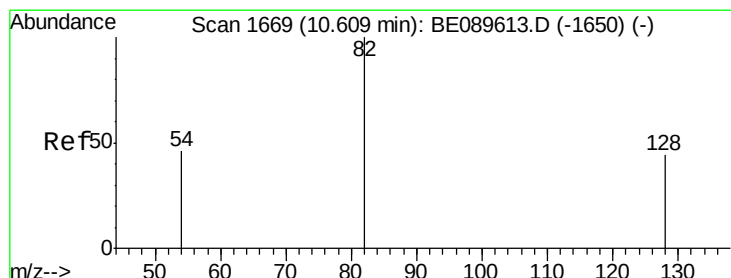
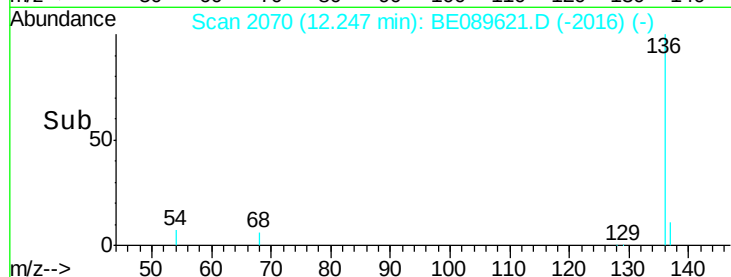
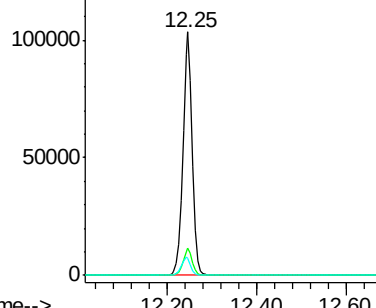
Tgt Ion:	136	Resp:	149976
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.8	5.3	7.9

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Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0



#5

Nitrobenzene-d5

Concen: 4.90 ng

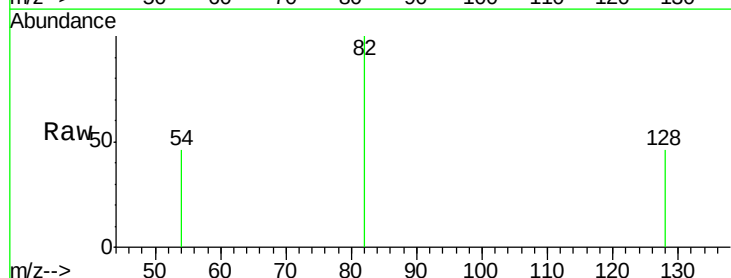
RT: 10.61 min Scan# 1668

Delta R.T. -0.00 min

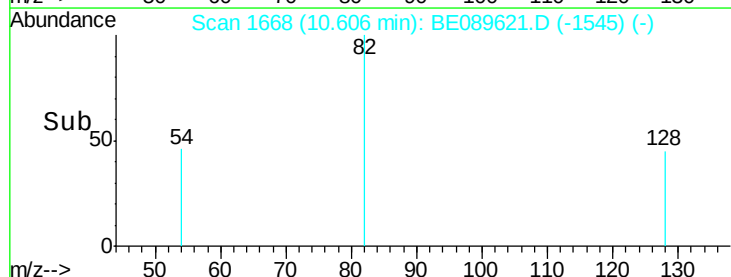
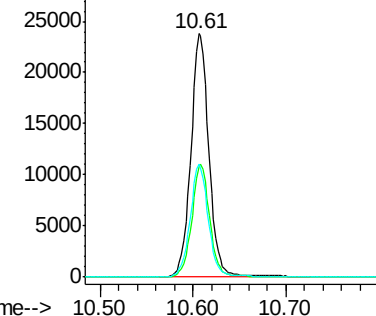
Lab File: BE089621.D

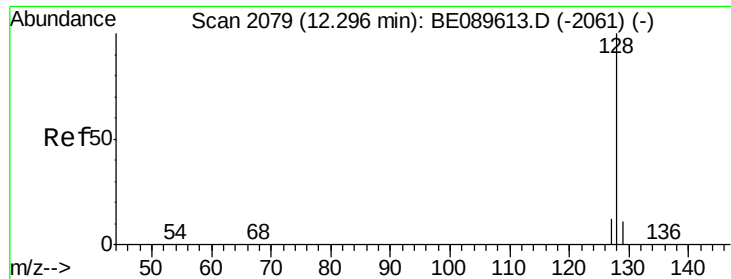
Acq: 18 Feb 2015 16:56

Tgt Ion:	82	Resp:	31962
Ion Ratio	Lower	Upper	
82	100		
128	45.5	35.5	53.3
54	46.4	37.5	56.3



Abundance Ion 82.00 (81.70 to 82.70): BE0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BE0





#6

Naphthalene

Concen: 0.04 ng

RT: 12.29 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Instrument :

BNA_E

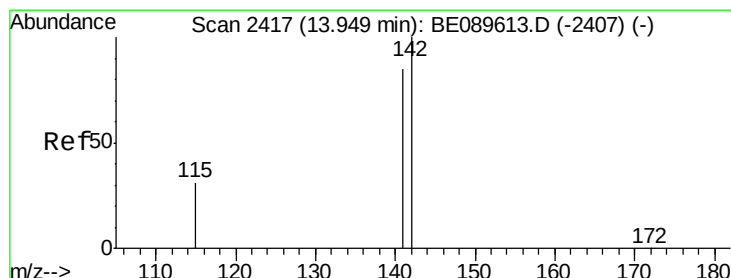
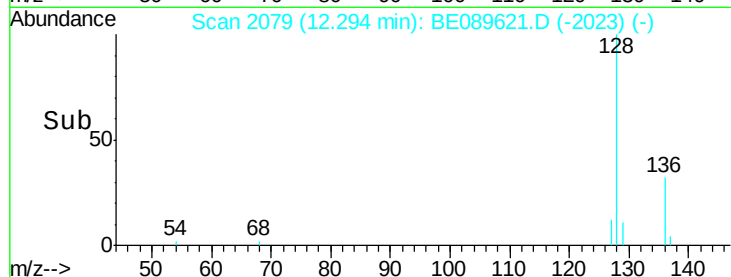
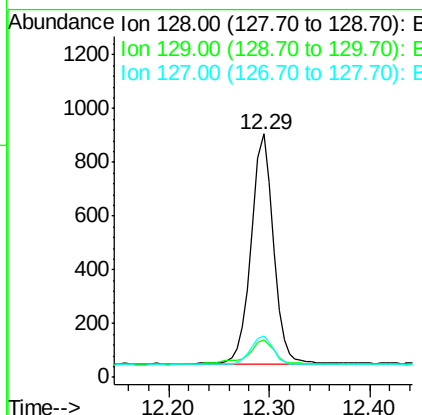
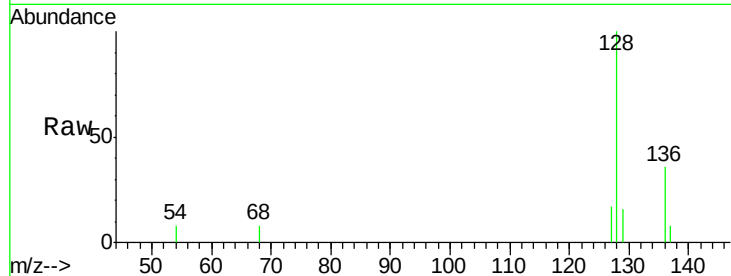
ClientSampleId :

MDL-01-W

Tgt Ion:	128	Resp:	1307
Ion Ratio	Lower	Upper	
128	100		
129	15.7	8.9	13.3#
127	17.0	9.8	14.8#

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#7

2-Methylnaphthalene

Concen: 0.04 ng

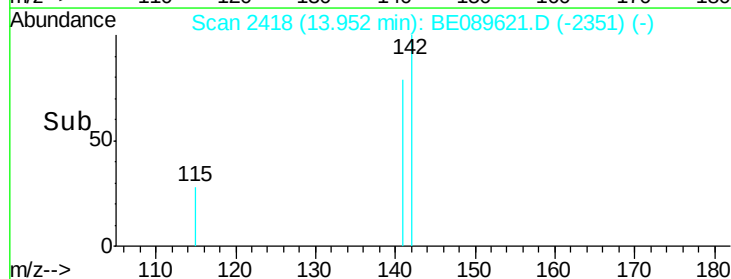
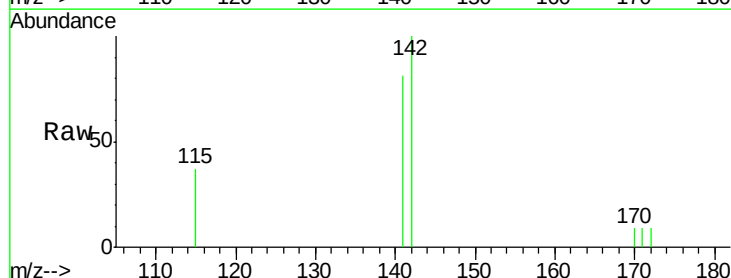
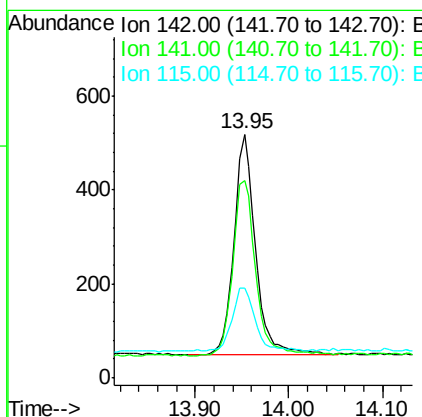
RT: 13.95 min Scan# 2418

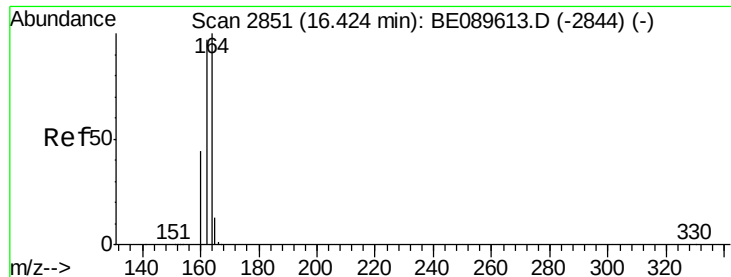
Delta R.T. 0.00 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Tgt Ion:	142	Resp:	751
Ion Ratio	Lower	Upper	
142	100		
141	81.1	68.3	102.5
115	37.1	25.1	37.7





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2852

Delta R.T. 0.00 min

Lab File: BE089621.D

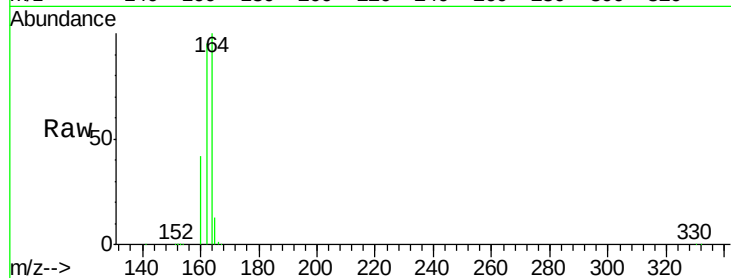
Acq: 18 Feb 2015 16:56

Instrument :

BNA_E

ClientSampleId :

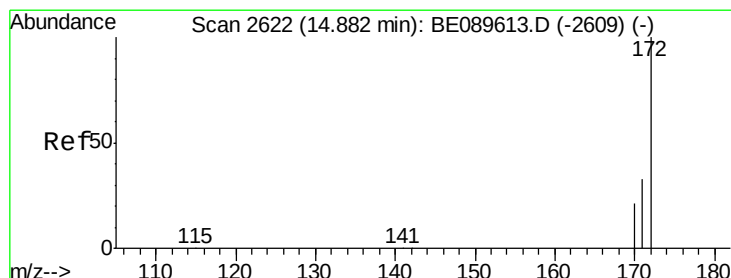
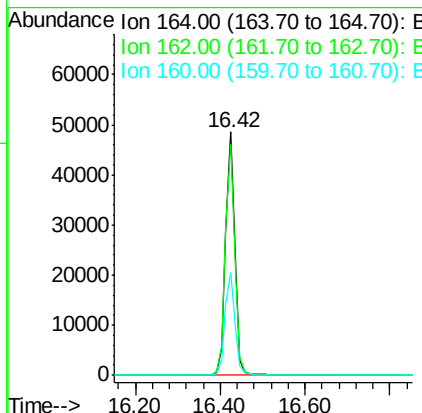
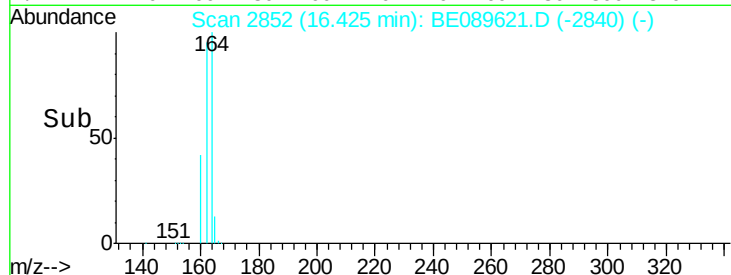
MDL-01-W



Tgt Ion:	164	Resp:	72888
Ion Ratio	Lower	Upper	
164	100		
162	94.6	77.5	116.3
160	42.4	35.5	53.3

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#9

2-Fluorobiphenyl

Concen: 5.76 ng

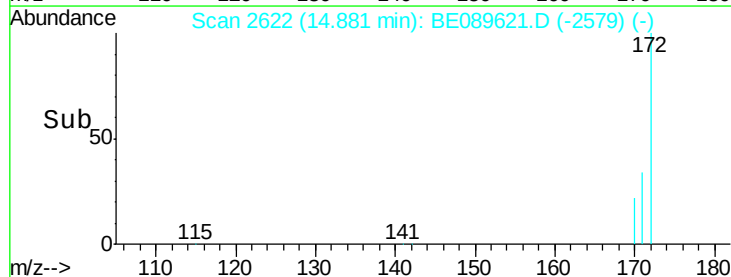
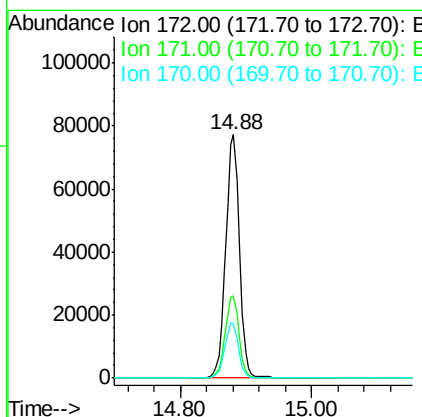
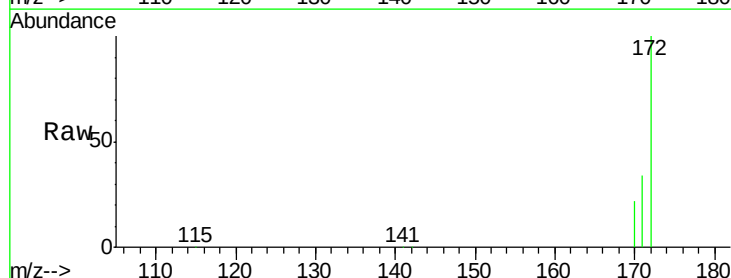
RT: 14.88 min Scan# 2622

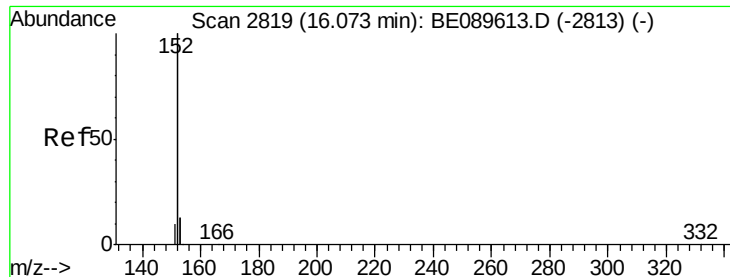
Delta R.T. -0.00 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Tgt Ion:	172	Resp:	112381
Ion Ratio	Lower	Upper	
172	100		
171	33.9	26.9	40.3
170	22.0	17.4	26.0





#10

Acenaphthylene

Concen: 0.04 ng

RT: 16.07 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Instrument :

BNA_E

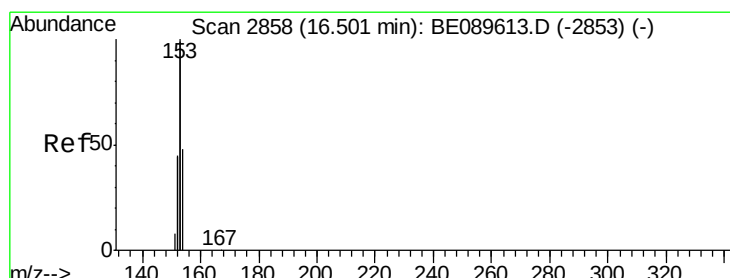
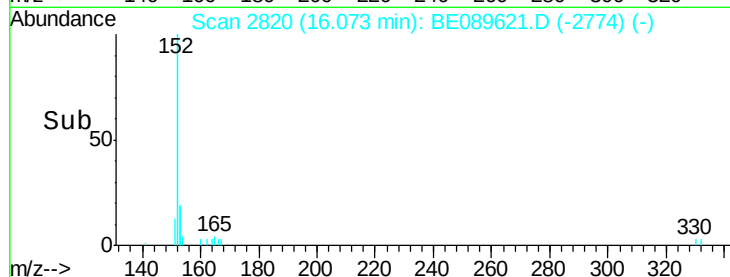
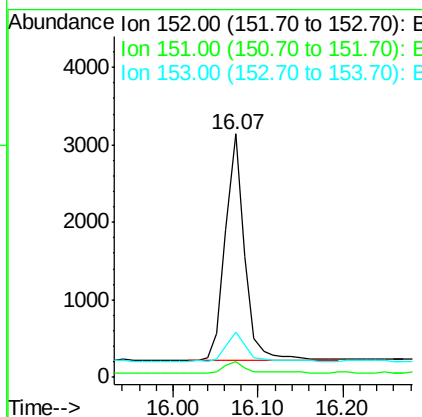
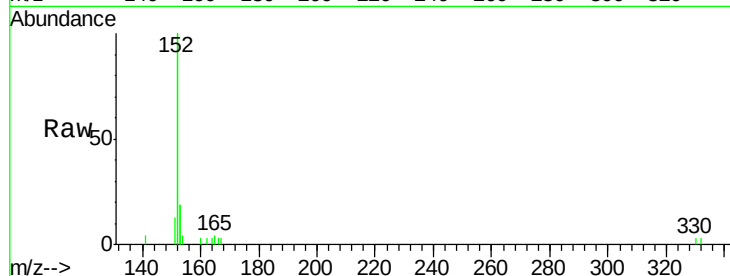
ClientSampleId :

MDL-01-W

Tgt Ion:	152	Resp:	4666
Ion Ratio	Lower	Upper	
152	100		
151	5.1	3.9	5.9
153	13.7	10.5	15.7

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#11

Acenaphthene

Concen: 0.05 ng

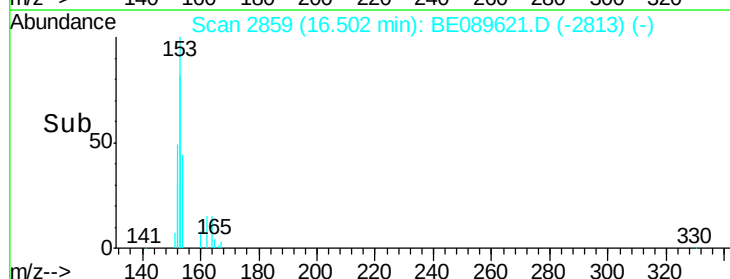
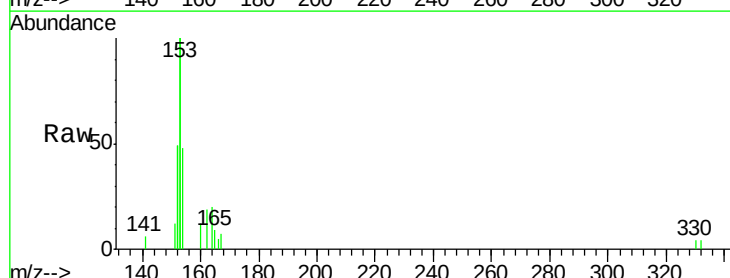
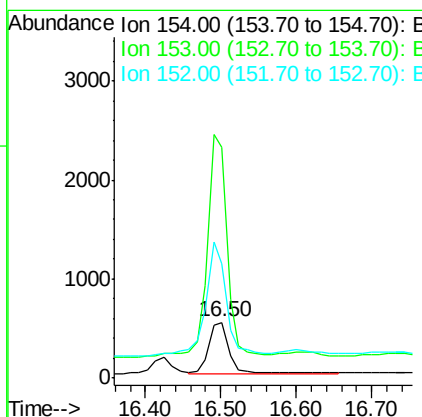
RT: 16.50 min Scan# 2859

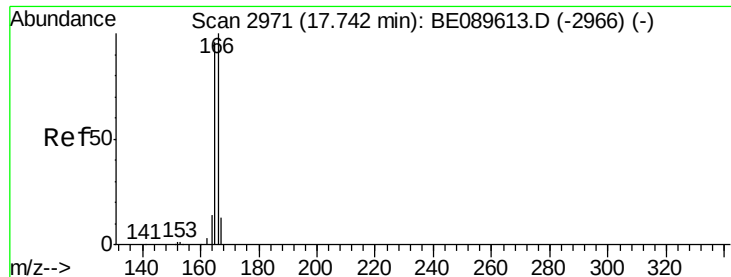
Delta R.T. 0.00 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Tgt Ion:	154	Resp:	938
Ion Ratio	Lower	Upper	
154	100		
153	442.1	348.9	523.3
152	235.3	166.6	249.8





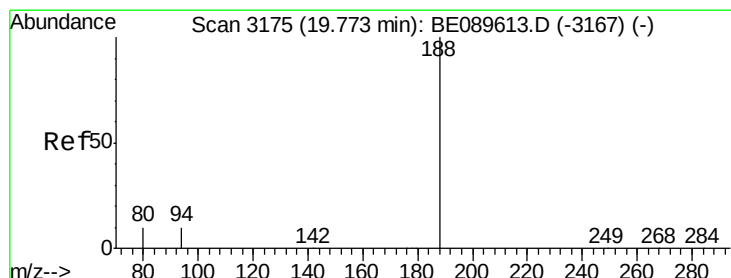
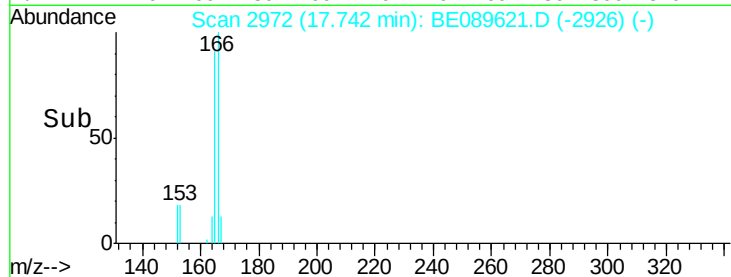
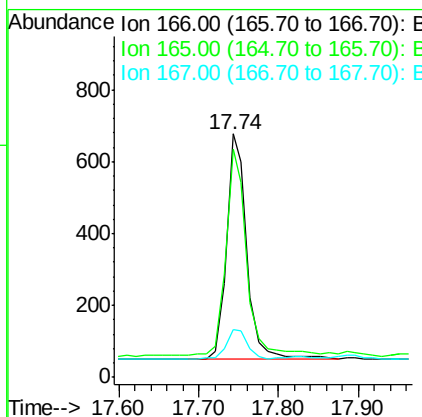
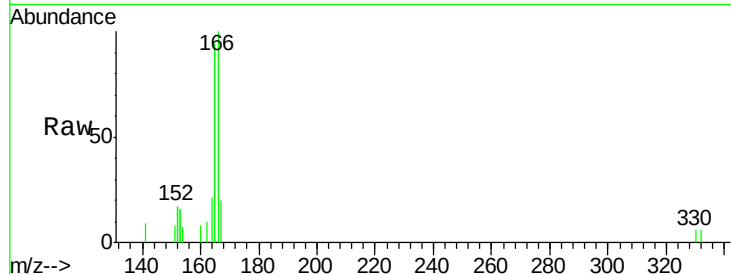
#12
 Fluorene
 Concen: 0.05 ng
 RT: 17.74 min Scan# 2972
 Delta R.T. 0.00 min
 Lab File: BE089621.D
 Acq: 18 Feb 2015 16:56

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-W

Tgt Ion	Ratio	Lower	Upper
166	100		
165	92.3	74.7	112.1
167	14.7	10.5	15.7

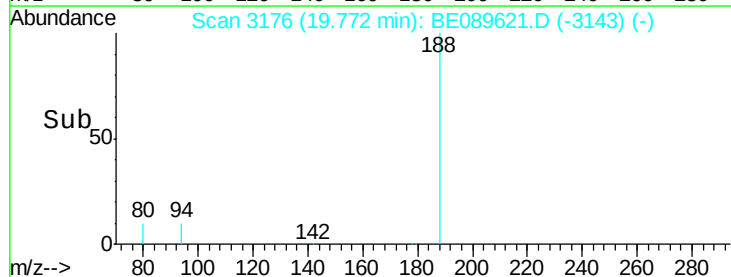
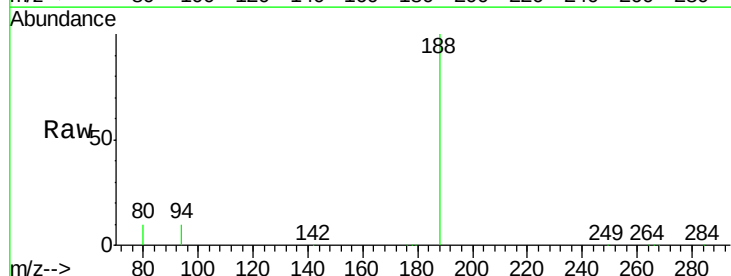
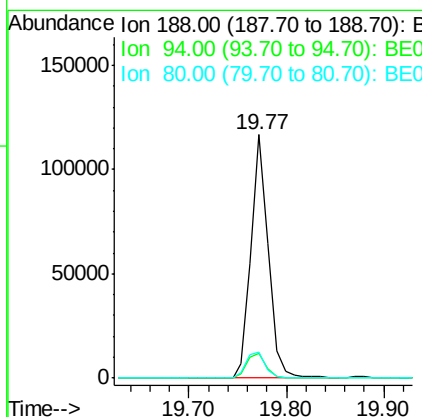
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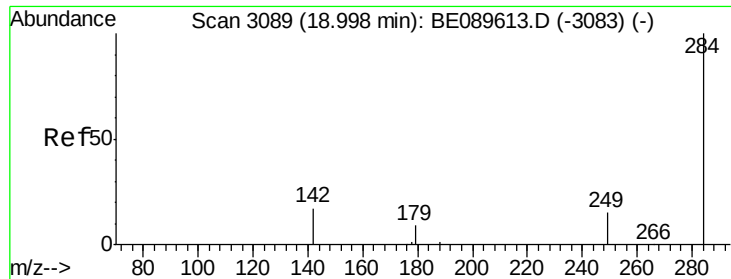
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#13
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.77 min Scan# 3176
 Delta R.T. -0.00 min
 Lab File: BE089621.D
 Acq: 18 Feb 2015 16:56

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.2	12.4
80	10.4	8.1	12.1





#14

Hexachlorobenzene

Concen: 0.06 ng

RT: 19.00 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Instrument :

BNA_E

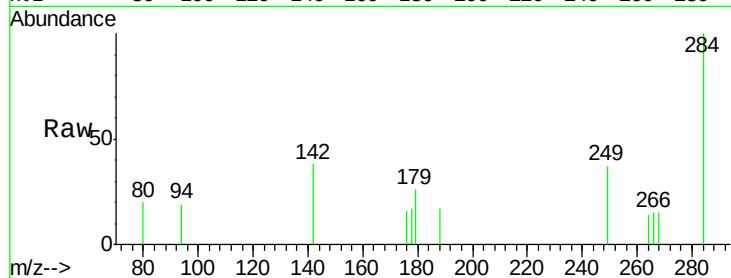
ClientSampleId :

MDL-01-W

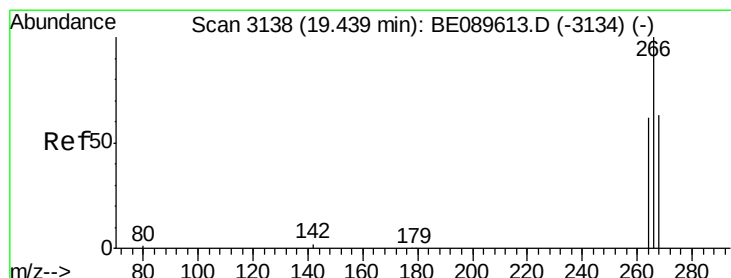
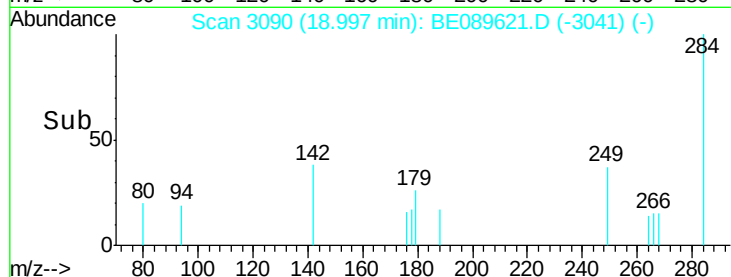
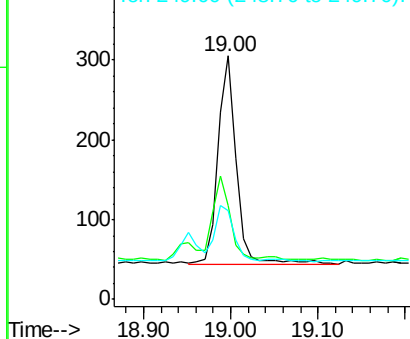
Tgt Ion:	284	Resp:	390
Ion Ratio	Lower	Upper	
284	100		
142	47.2	32.3	48.5
249	26.2	22.3	33.5

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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



#15

Pentachlorophenol

Concen: 0.02 ng

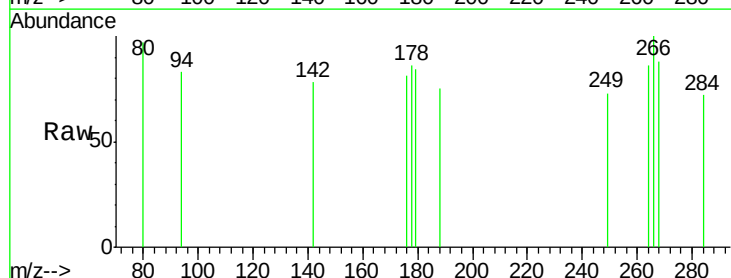
RT: 19.44 min Scan# 3139

Delta R.T. -0.00 min

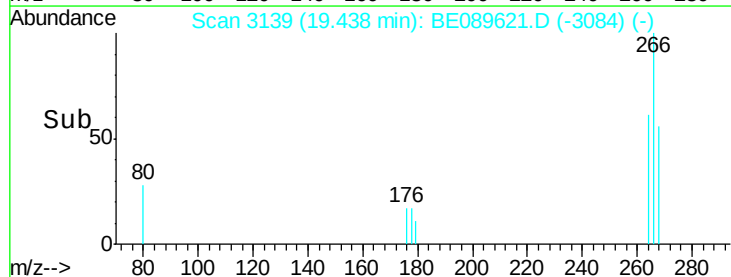
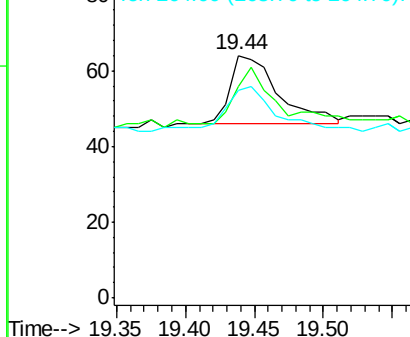
Lab File: BE089621.D

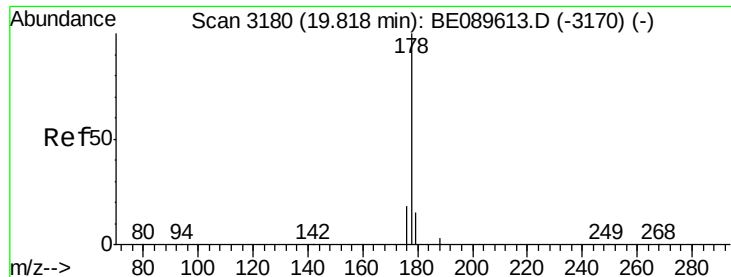
Acq: 18 Feb 2015 16:56

Tgt Ion:	266	Resp:	43
Ion Ratio	Lower	Upper	
266	100		
268	87.5	52.6	79.0#
264	85.9	51.8	77.8#



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





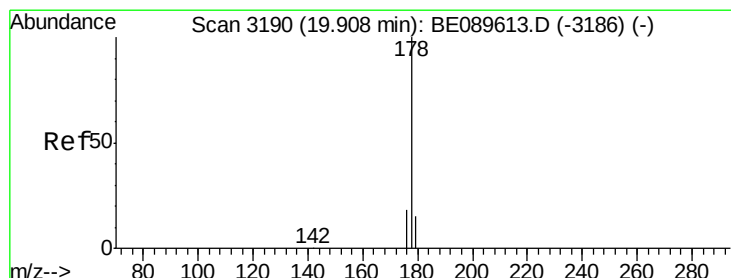
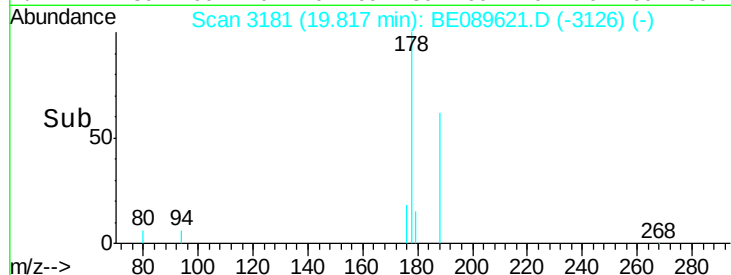
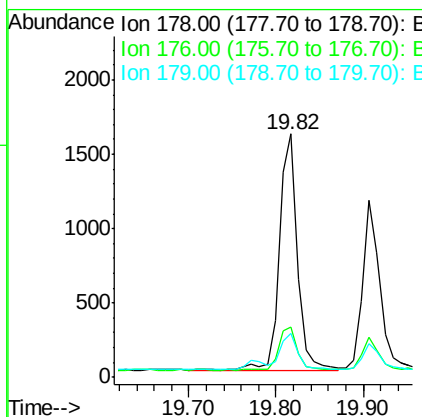
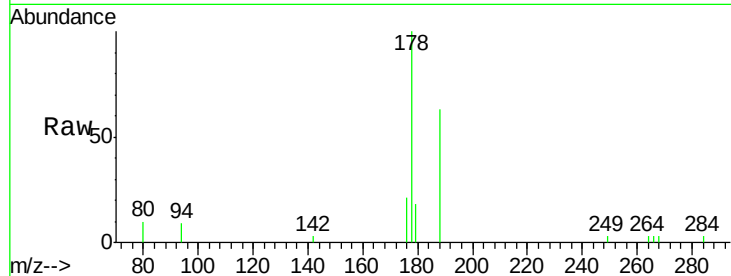
#16
Phenanthrene
Concen: 0.07 ng
RT: 19.82 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BE089621.D
Acq: 18 Feb 2015 16:56

Instrument :
BNA_E
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	14.7	12.3	18.5

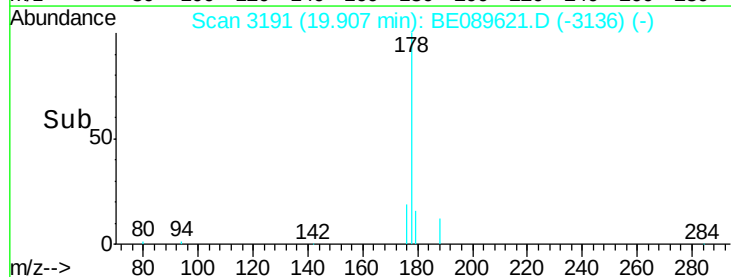
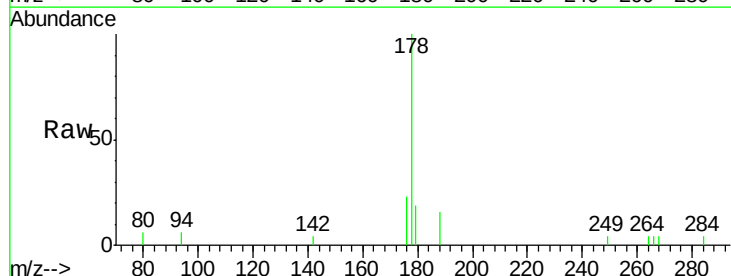
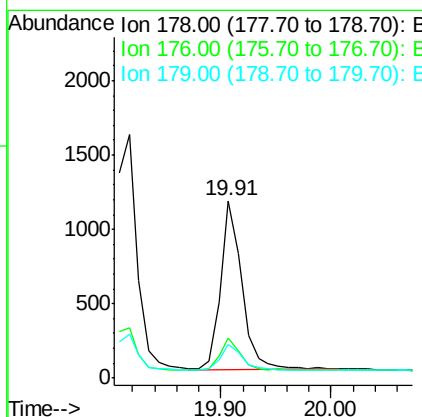
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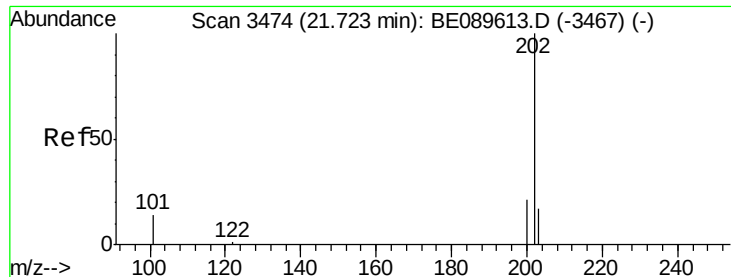
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#17
Anthracene
Concen: 0.05 ng
RT: 19.91 min Scan# 3191
Delta R.T. -0.00 min
Lab File: BE089621.D
Acq: 18 Feb 2015 16:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.6	22.0
179	14.9	12.3	18.5





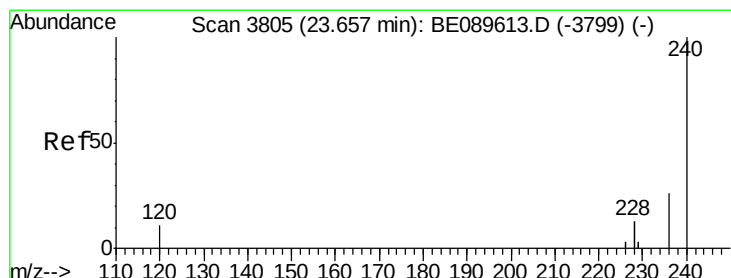
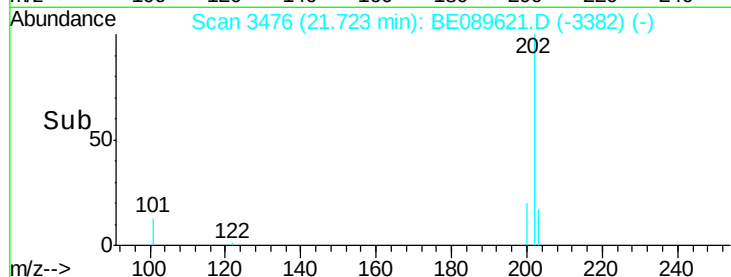
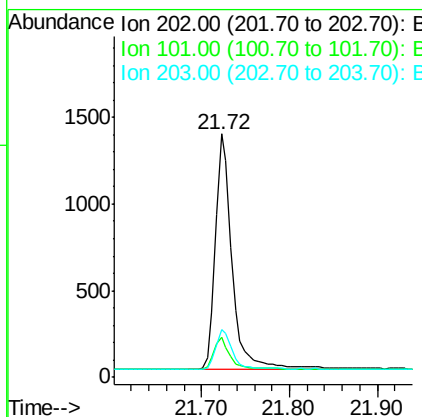
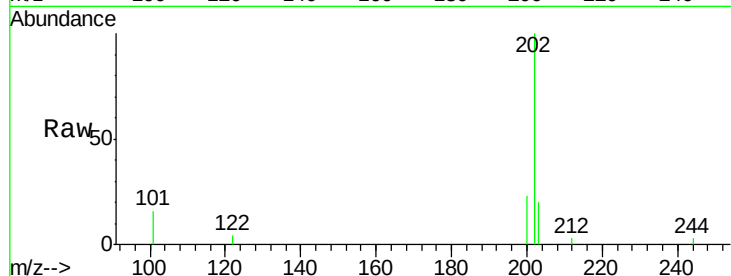
#18
 Fluoranthene
 Concen: 0.05 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. -0.00 min
 Lab File: BE089621.D
 Acq: 18 Feb 2015 16:56

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-W

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	13.1	10.4	15.6
203	16.9	13.9	20.9

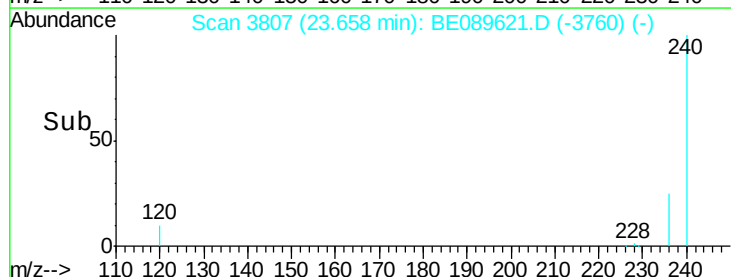
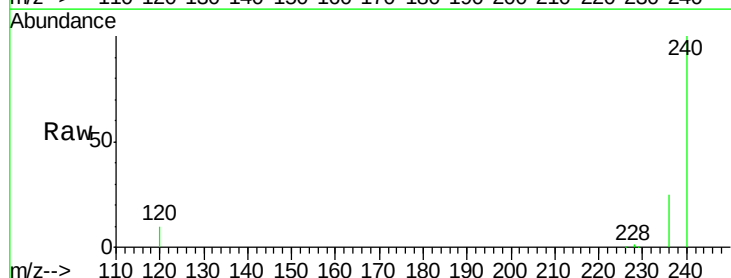
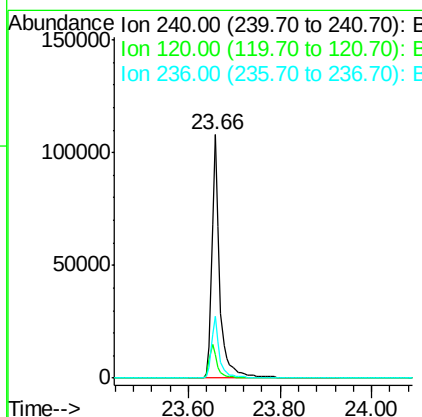
Manual Integrations
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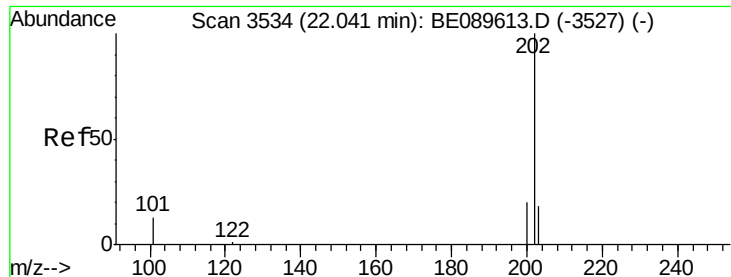
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3807
 Delta R.T. 0.00 min
 Lab File: BE089621.D
 Acq: 18 Feb 2015 16:56

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	9.7	9.0	13.4
236	25.3	21.0	31.6





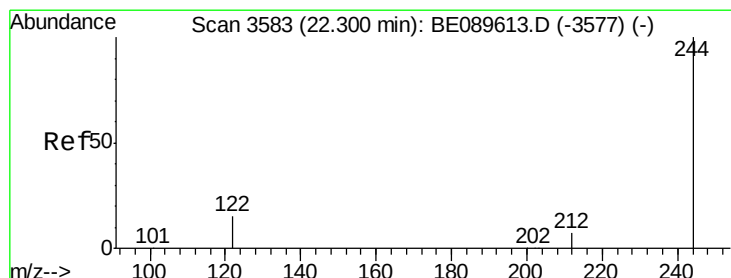
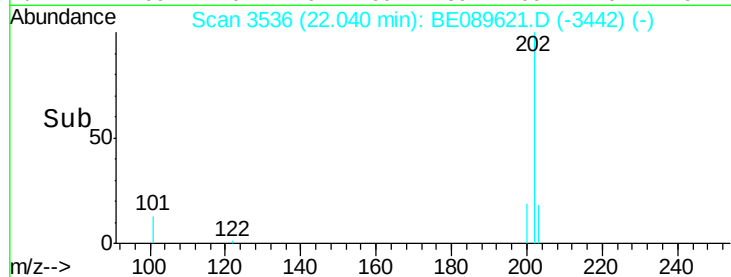
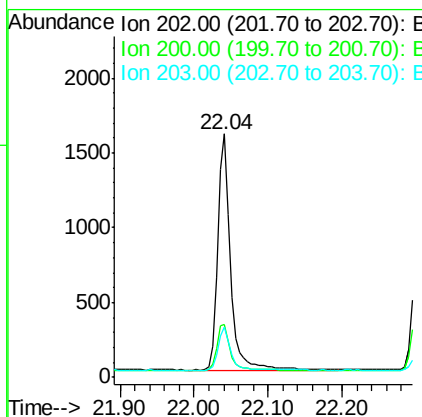
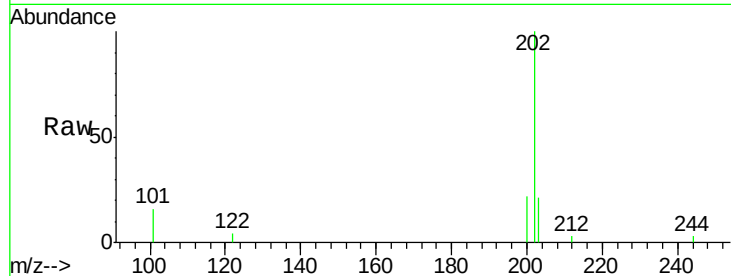
#20
 Pyrene
 Concen: 0.06 ng
 RT: 22.04 min Scan# 3536
 Delta R.T. -0.00 min
 Lab File: BE089621.D
 Acq: 18 Feb 2015 16:56

Instrument :
 BNA_E
 ClientSampleId :
 MDL-01-W

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.3	24.5
203	17.8	13.8	20.8

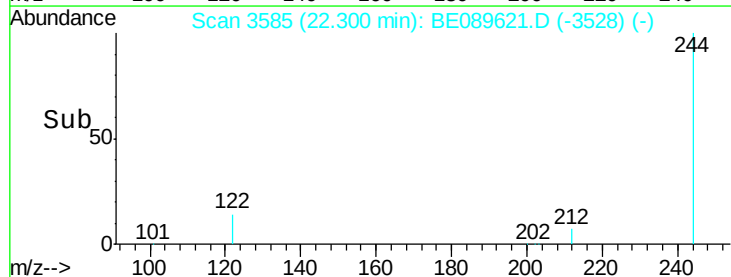
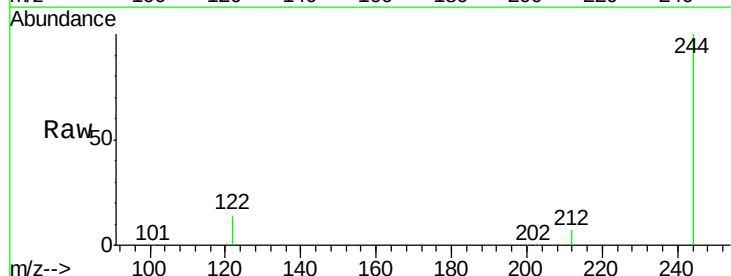
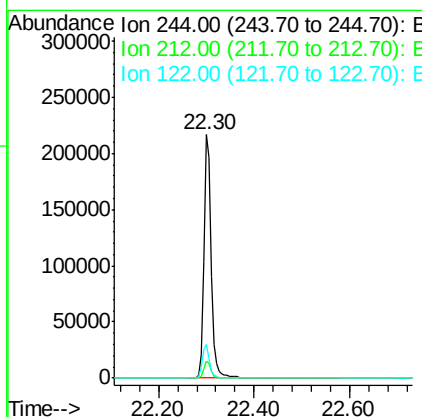
Manual Integrations
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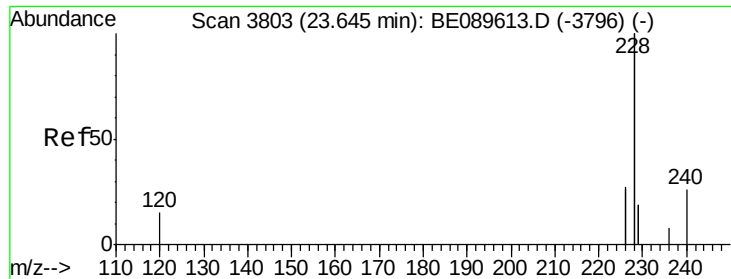
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#21
 Terphenyl-d14
 Concen: 11.84 ng
 RT: 22.30 min Scan# 3585
 Delta R.T. -0.00 min
 Lab File: BE089621.D
 Acq: 18 Feb 2015 16:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	14.1	11.8	17.8





#22

Benzo(a)anthracene

Concen: 0.06 ng

RT: 23.65 min Scan# 3806

Delta R.T. 0.01 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Instrument :

BNA_E

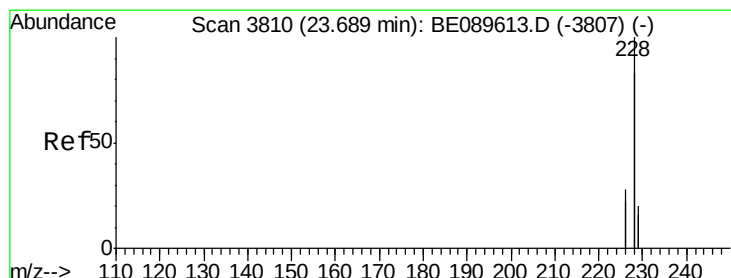
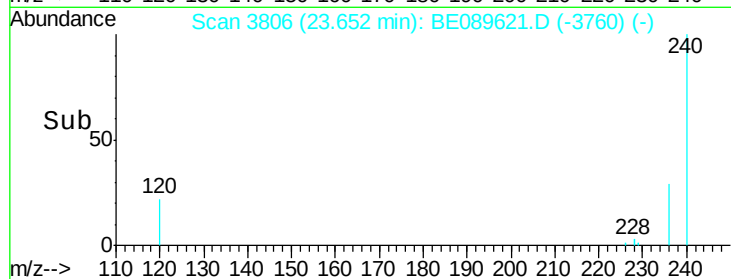
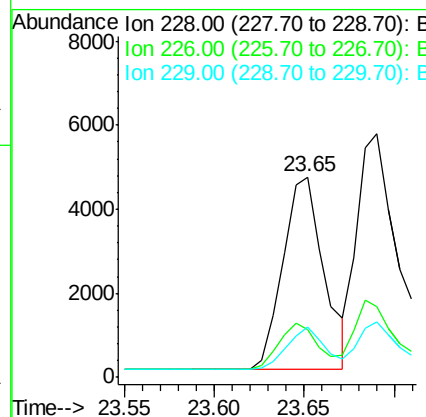
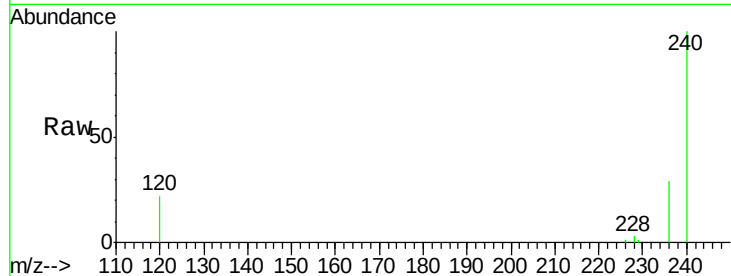
ClientSampleId :

MDL-01-W

Tgt Ion:	228	Resp:	7245
Ion Ratio	Lower	Upper	
228	100		
226	23.9	21.2	31.8
229	24.9	15.2	22.8

Manual Integrations
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#23

Chrysene

Concen: 0.08 ng

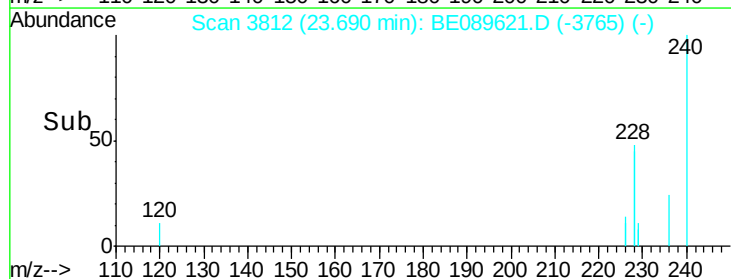
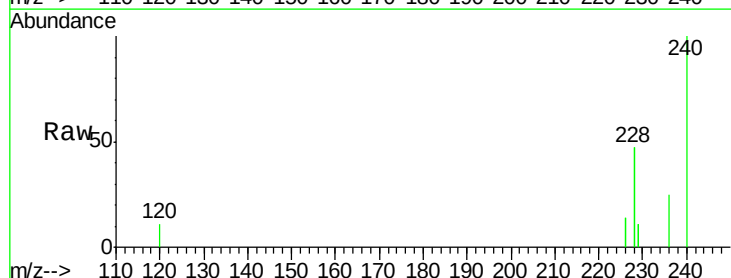
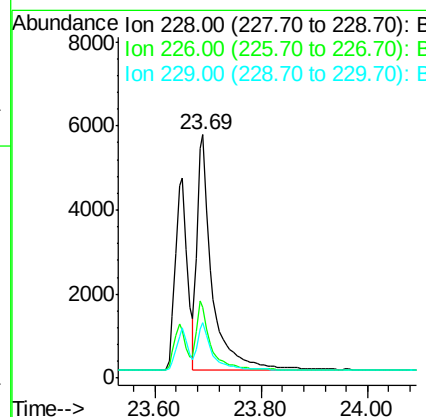
RT: 23.69 min Scan# 3812

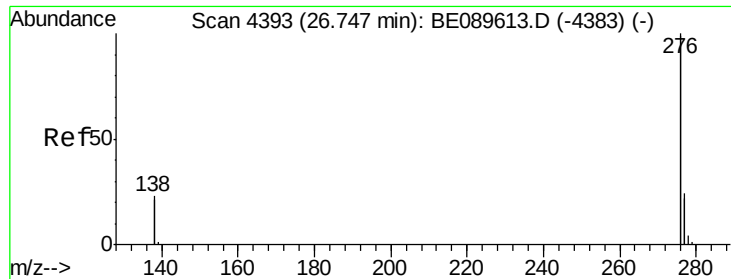
Delta R.T. 0.00 min

Lab File: BE089621.D

Acq: 18 Feb 2015 16:56

Tgt Ion:	228	Resp:	10913
Ion Ratio	Lower	Upper	
228	100		
226	29.0	22.2	33.4
229	22.9	16.0	24.0





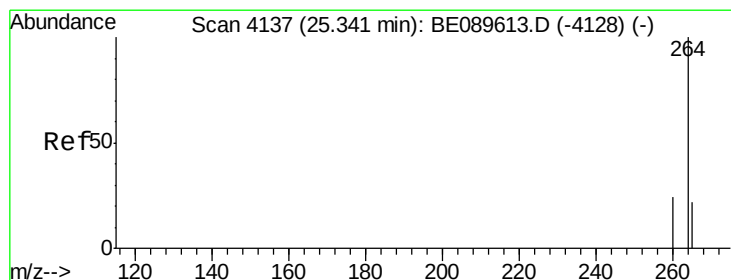
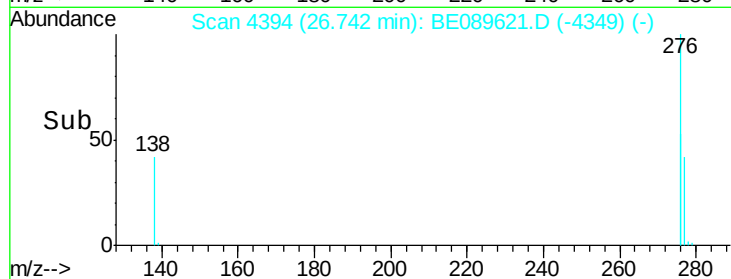
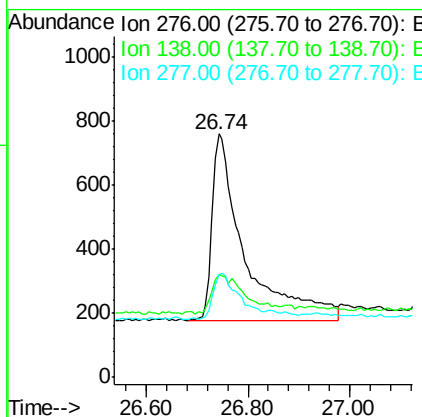
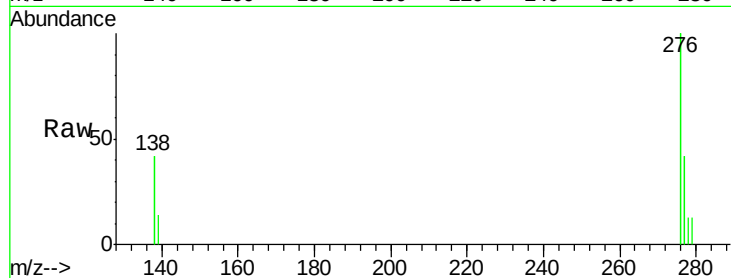
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.20 ng
RT: 26.74 min Scan# 4394
Delta R.T. -0.00 min
Lab File: BE089621.D
Acq: 18 Feb 2015 16:56

Instrument :
BNA_E
ClientSampleID :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.6	21.4	32.2
277	20.2	19.9	29.9

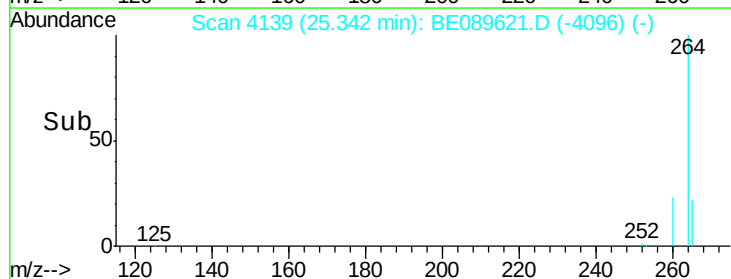
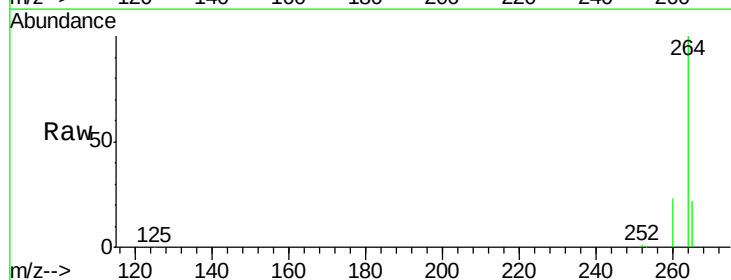
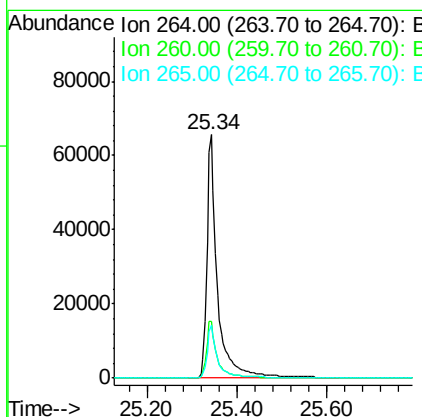
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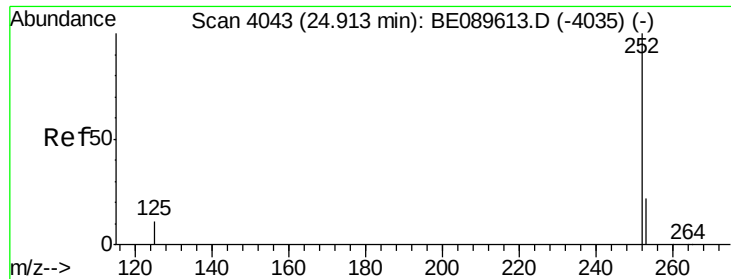
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#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4139
Delta R.T. 0.00 min
Lab File: BE089621.D
Acq: 18 Feb 2015 16:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	21.9	17.4	26.0





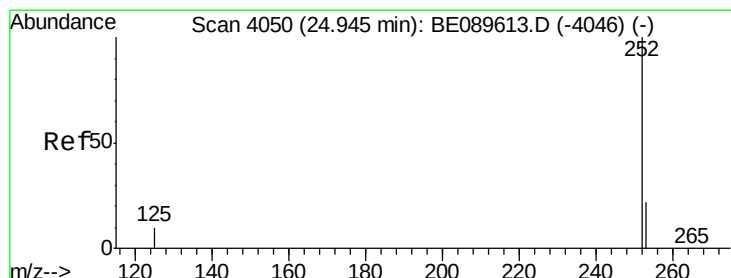
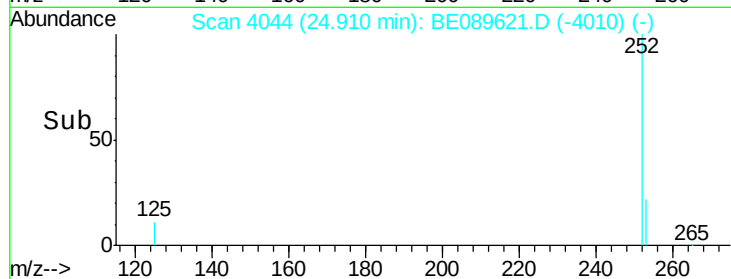
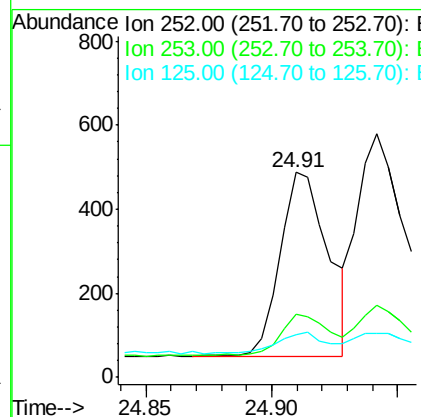
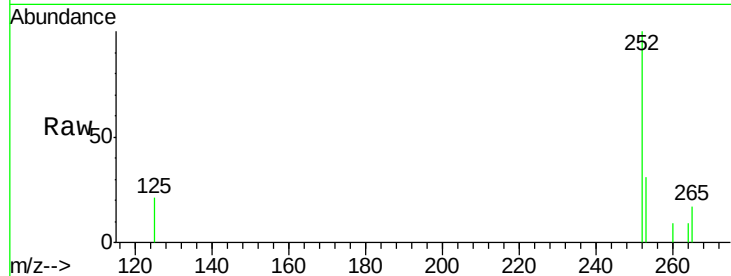
#26
Benzo(b)fluoranthene
Concen: 0.29 ng
RT: 24.91 min Scan# 4044
Delta R.T. -0.00 min
Lab File: BE089621.D
Acq: 18 Feb 2015 16:56

Instrument :
BNA_E
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	30.5	17.6	26.4#
125	20.9	8.8	13.2#

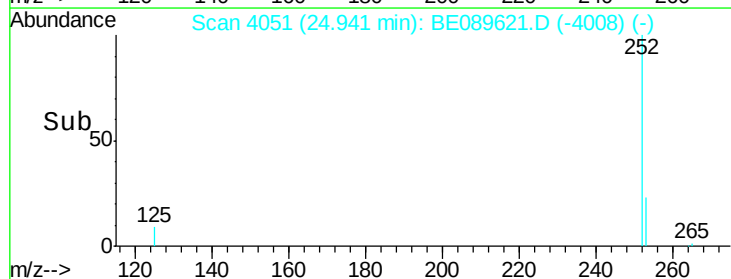
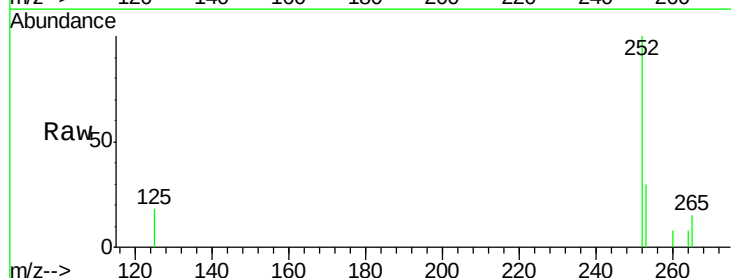
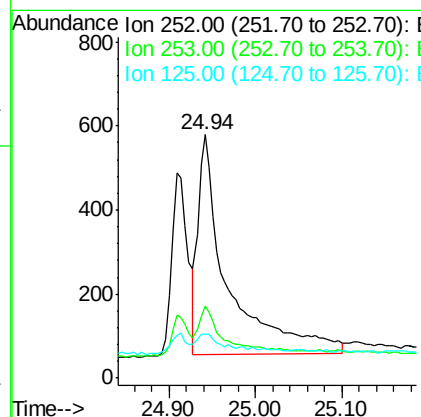
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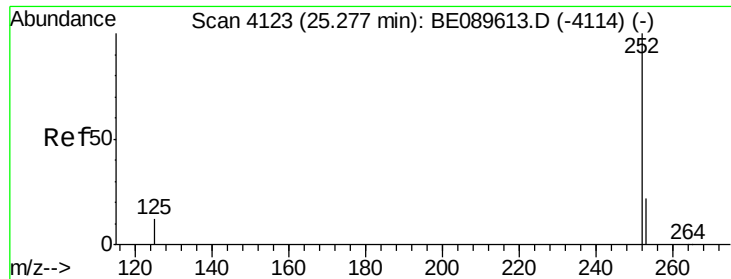
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#27
Benzo(k)fluoranthene
Concen: 0.04 ng m
RT: 24.94 min Scan# 4051
Delta R.T. -0.00 min
Lab File: BE089621.D
Acq: 18 Feb 2015 16:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.9	17.7	26.5#
125	18.1	8.8	13.2#





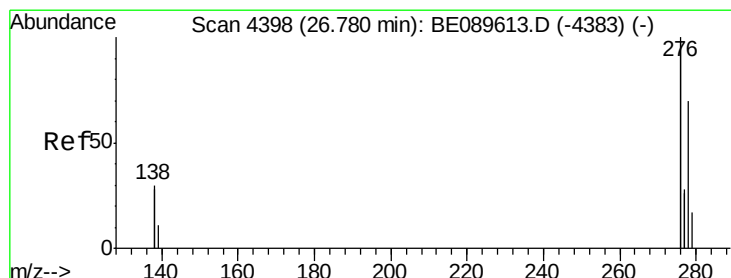
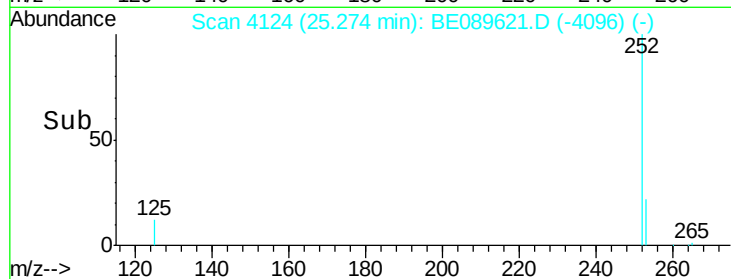
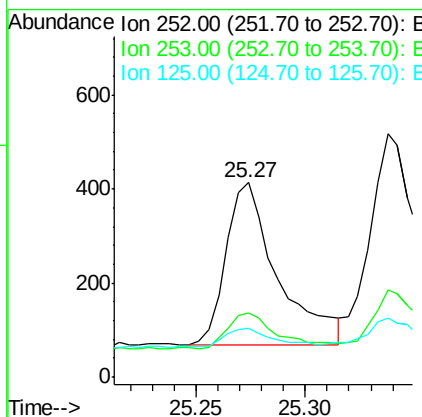
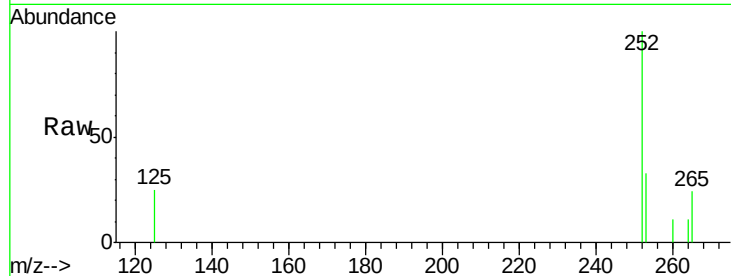
#28
Benzo(a)pyrene
Concen: 0.26 ng
RT: 25.27 min Scan# 4124
Delta R.T. -0.00 min
Lab File: BE089621.D
Acq: 18 Feb 2015 16:56

Instrument :
BNA_E
ClientSampleId :
MDL-01-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.2	18.1	27.1#
125	24.9	9.6	14.4#

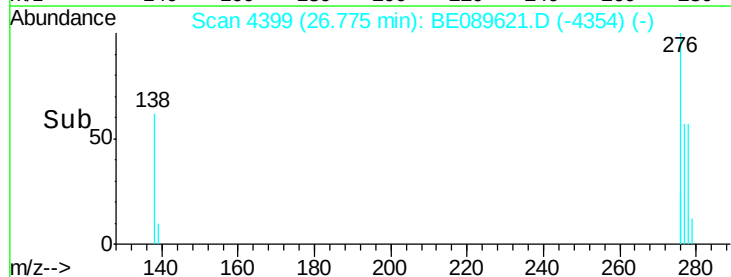
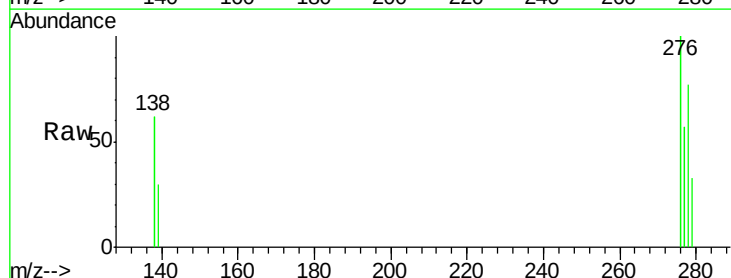
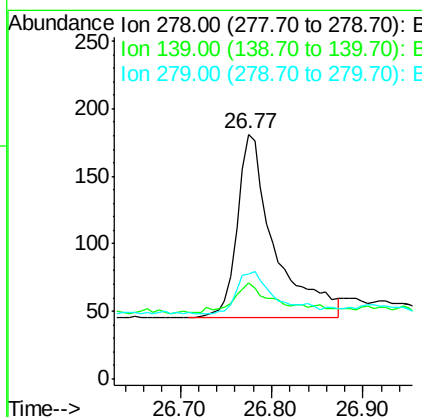
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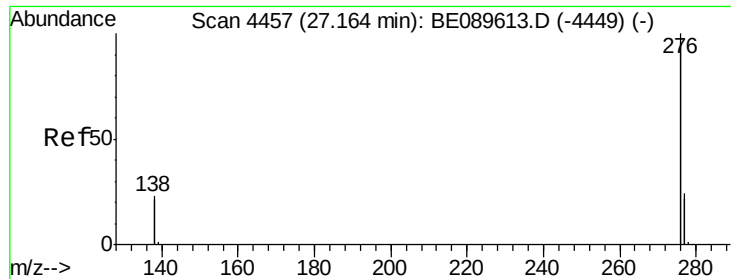
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#29
Dibenzo(a,h)anthracene
Concen: 0.25 ng
RT: 26.77 min Scan# 4399
Delta R.T. -0.00 min
Lab File: BE089621.D
Acq: 18 Feb 2015 16:56

Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.2	13.7	20.5#
279	43.1	19.7	29.5#





#30

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 27.17 min Scan# 4459

Delta R.T. 0.00 min

Lab File: BE089621.D

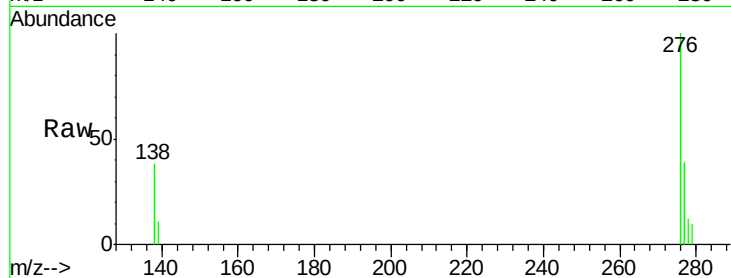
Acq: 18 Feb 2015 16:56

Instrument :

BNA_E

ClientSampleId :

MDL-01-W



Tgt Ion: 276 Resp: 2996

Ion Ratio Lower Upper

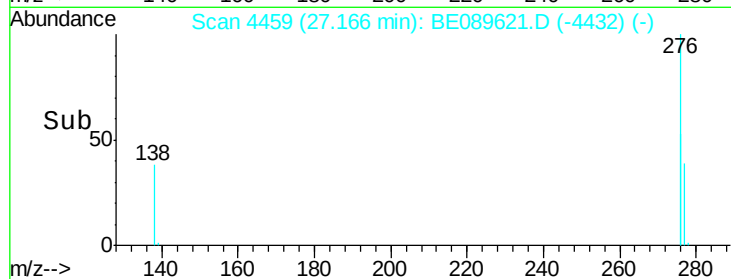
276 100

277 38.7 19.1 28.7#

138 37.7 18.7 28.1#

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

