

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089624.D
 Acq On : 18 Feb 2015 18:55
 Operator : TP/IZ
 Sample : MDL-04-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-W

Manual Integrations
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Quant Time: Feb 19 14:04:25 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	35924	5.00	ng	0.00
4) Naphthalene-d8	12.24	136	141978	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	68928	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	134920	5.00	ng	0.00
19) Chrysene-d12	23.66	240	123468	5.00	ng	0.00
25) Perylene-d12	25.35	264	101594	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	65664	10.64	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	177205	9.60	ng	0.00
21) Terphenyl-d14	22.30	244	211440	11.91	ng	0.00

Target Compounds						Qvalue
2) 1,4-Dioxane	2.74	88	281	0.06	ng	# 83
6) Naphthalene	12.29	128	2327	0.07	ng	# 92
7) 2-Methylnaphthalene	13.95	142	1233	0.06	ng	97
10) Acenaphthylene	16.07	152	6666	0.06	ng	98
11) Acenaphthene	16.50	154	1278	0.07	ng	93
12) Fluorene	17.75	166	1414	0.07	ng	99
14) Hexachlorobenzene	19.00	284	428	0.07	ng	# 91
15) Pentachlorophenol	19.45	266	29	Below Cal		# 70
16) Phenanthrene	19.82	178	2383	0.07	ng	100
17) Anthracene	19.91	178	1657	0.06	ng	99
18) Fluoranthene	21.72	202	1758	0.06	ng	99
20) Pyrene	22.04	202	1878	0.06	ng	99
22) Benzo(a)anthracene	23.65	228	6598m	0.06	ng	
23) Chrysene	23.69	228	10554	0.09	ng	95
24) Indeno(1,2,3-cd)pyrene	26.75	276	2199	0.19	ng	95
26) Benzo(b)fluoranthene	24.91	252	512	0.29	ng	# 77
27) Benzo(k)fluoranthene	24.94	252	1228m	0.04	ng	
28) Benzo(a)pyrene	25.27	252	547	0.26	ng	# 74
29) Dibenzo(a,h)anthracene	26.77	278	382	0.25	ng	# 57
30) Benzo(g,h,i)perylene	27.16	276	2929	0.16	ng	# 71

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

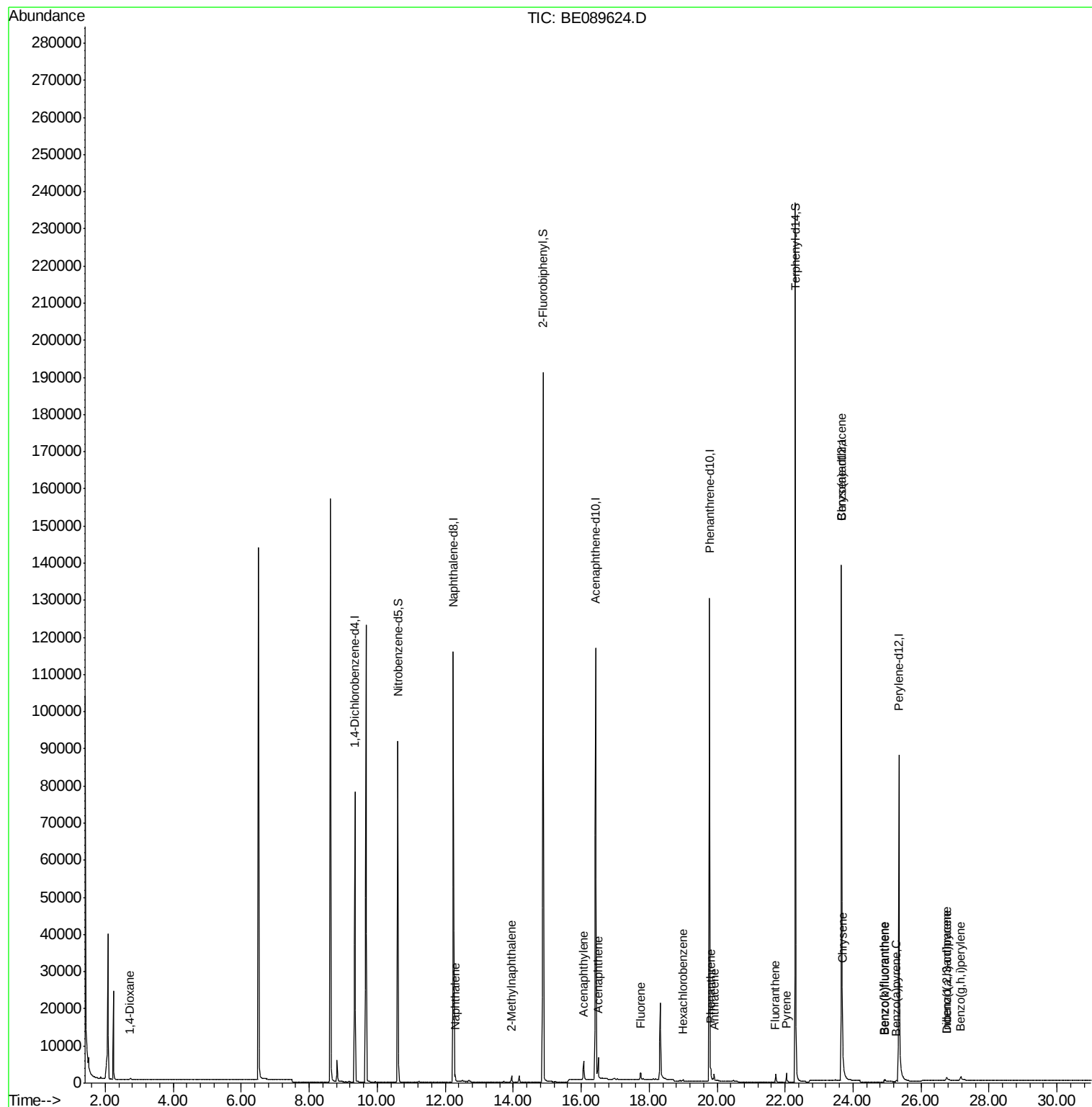
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
Data File : BE089624.D
Acq On : 18 Feb 2015 18:55
Operator : TP/IZ
Sample : MDL-04-W
Misc : MDL-WATER-0.1/0.2
ALS Vial : 11 Sample Multiplier: 1

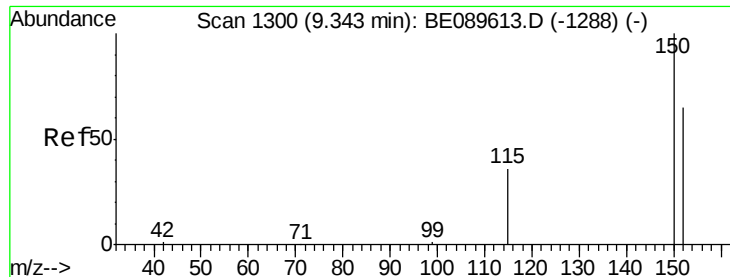
Instrument :
BNA_E
ClientSampleId :
MDL-04-W

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Quant Time: Feb 19 14:04:25 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: BE089624.D

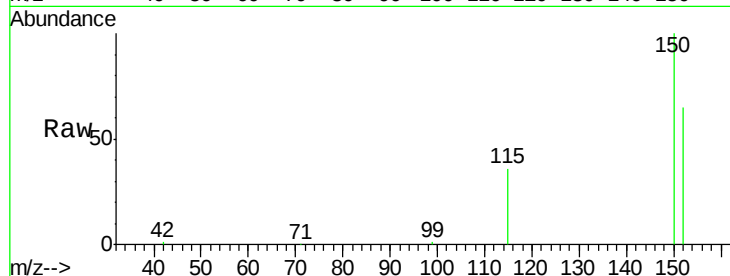
Acq: 18 Feb 2015 18:55

Instrument :

BNA_E

ClientSampled :

MDL-04-W



Tgt Ion:152 Resp: 35924

Ion Ratio Lower Upper

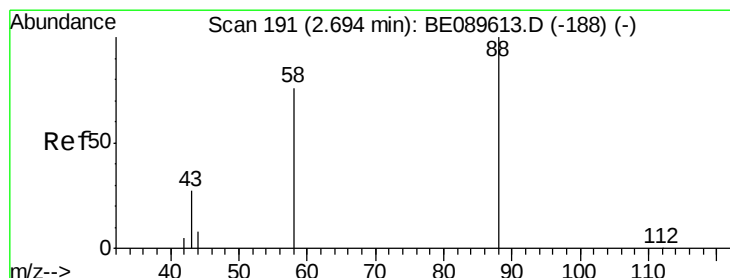
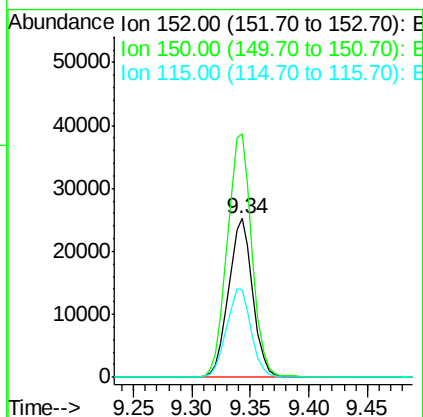
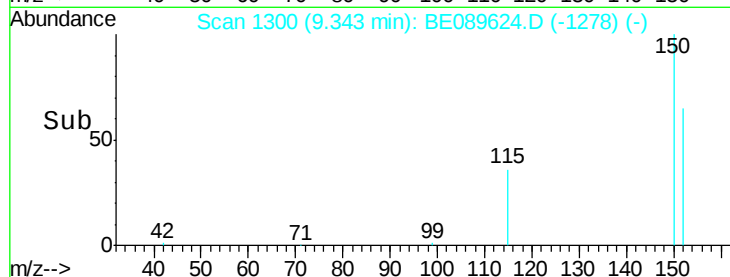
152 100

150 153.5 122.4 183.6

115 54.8 44.2 66.2

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#2

1,4-Dioxane

Concen: 0.06 ng

RT: 2.74 min Scan# 197

Delta R.T. 0.04 min

Lab File: BE089624.D

Acq: 18 Feb 2015 18:55

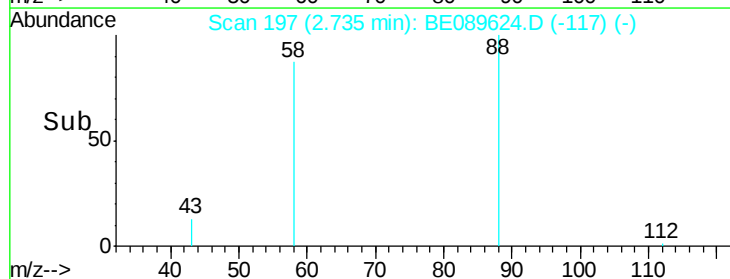
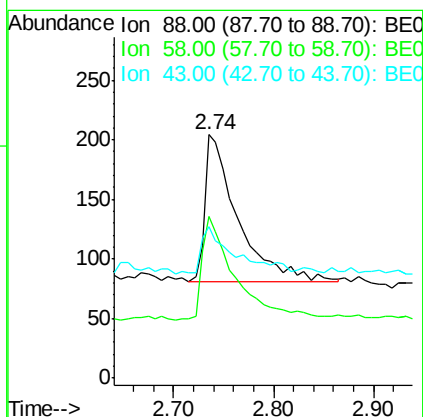
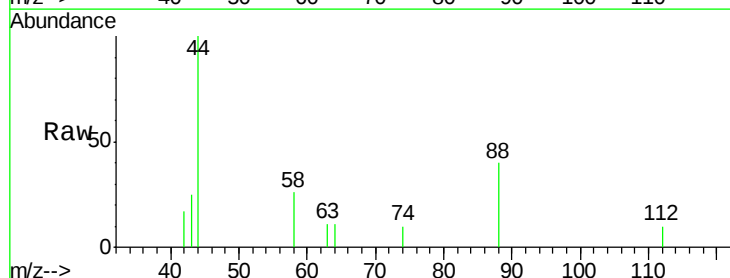
Tgt Ion: 88 Resp: 281

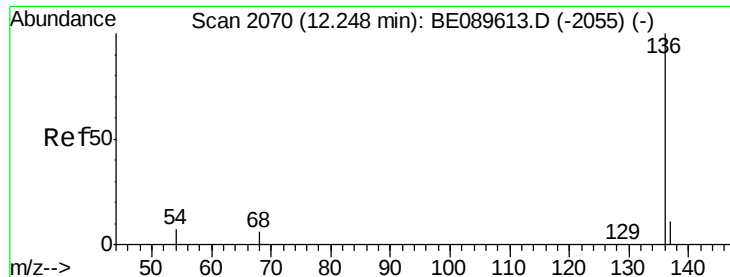
Ion Ratio Lower Upper

88 100

58 71.5 54.6 81.8

43 0.0 20.6 30.8#





#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.24 min Scan# 2069

Delta R.T. -0.01 min

Lab File: BE089624.D

Acq: 18 Feb 2015 18:55

Instrument :

BNA_E

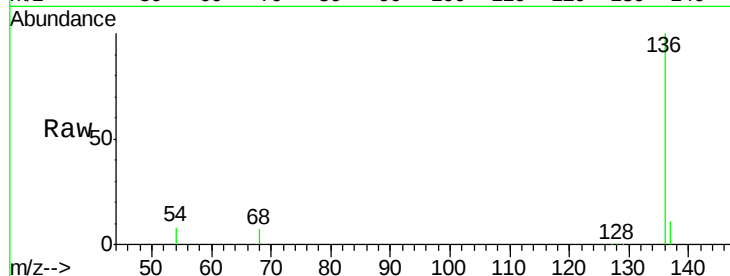
ClientSampleId :

MDL-04-W

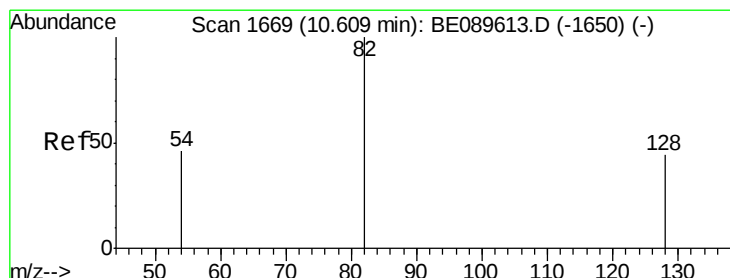
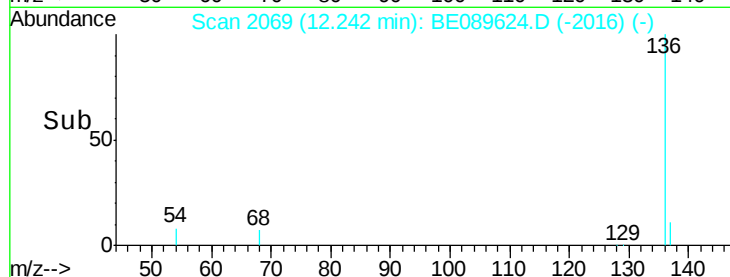
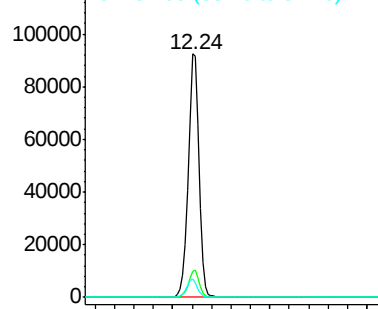
Tgt Ion:	136	Resp:	141978
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	7.6	5.3	7.9

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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: 10.64 ng

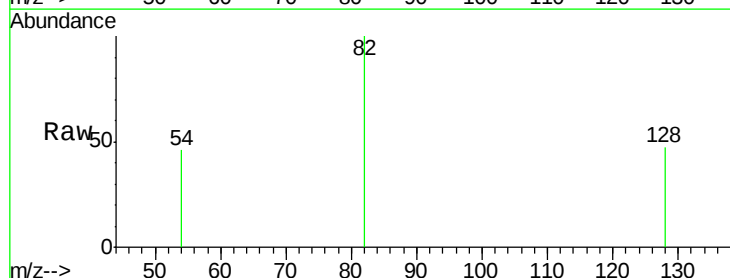
RT: 10.61 min Scan# 1668

Delta R.T. -0.00 min

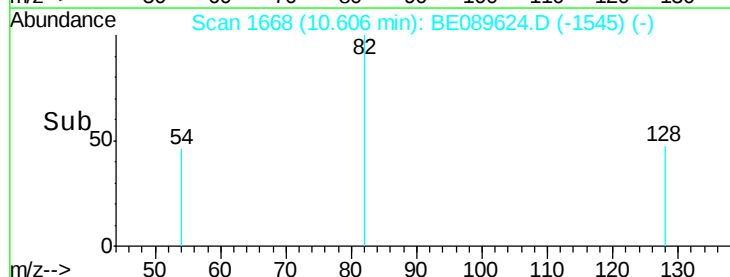
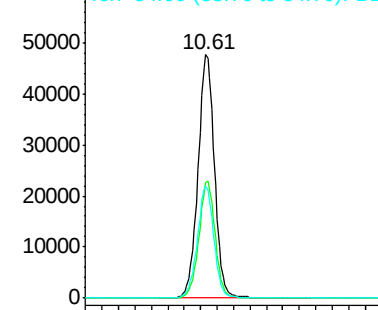
Lab File: BE089624.D

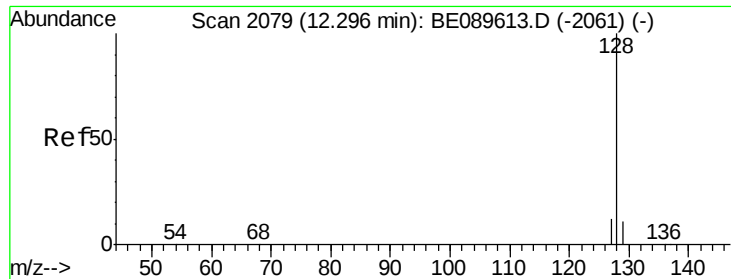
Acq: 18 Feb 2015 18:55

Tgt Ion:	82	Resp:	65664
Ion Ratio	Lower	Upper	
82	100		
128	47.3	35.5	53.3
54	45.9	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: 0.07 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BE089624.D

Acq: 18 Feb 2015 18:55

Instrument :

BNA_E

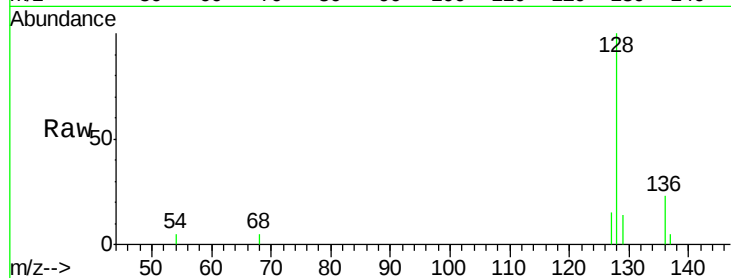
ClientSampleId :

MDL-04-W

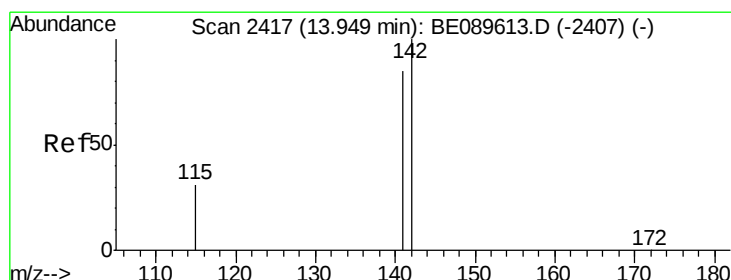
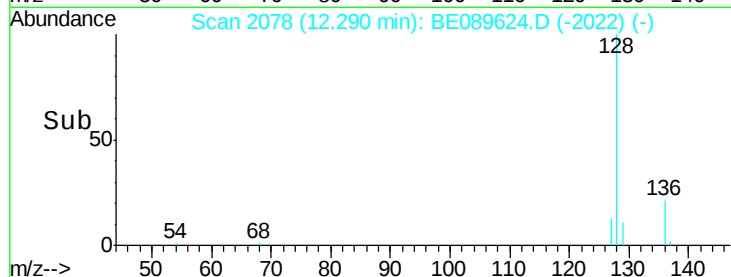
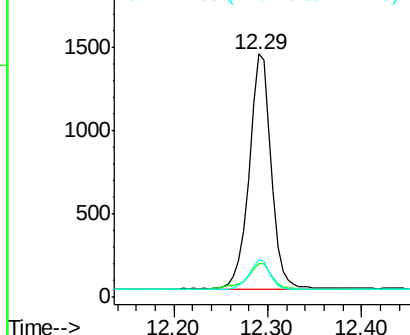
Tgt Ion:	128	Resp:	2327
Ion Ratio		Lower	Upper
128	100		
129	14.0	8.9	13.3#
127	15.4	9.8	14.8#

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#7

2-Methylnaphthalene

Concen: 0.06 ng

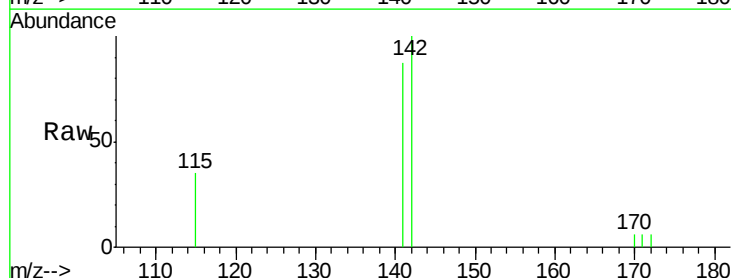
RT: 13.95 min Scan# 2418

Delta R.T. 0.00 min

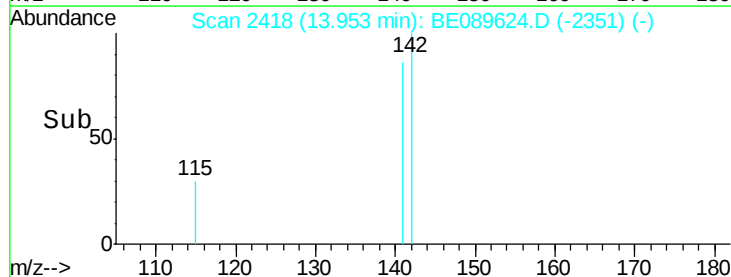
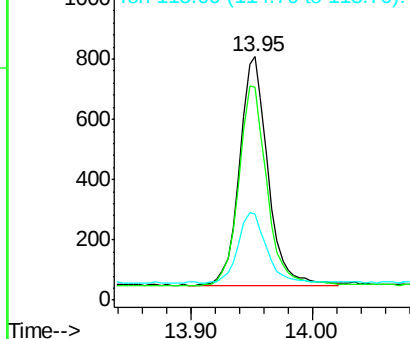
Lab File: BE089624.D

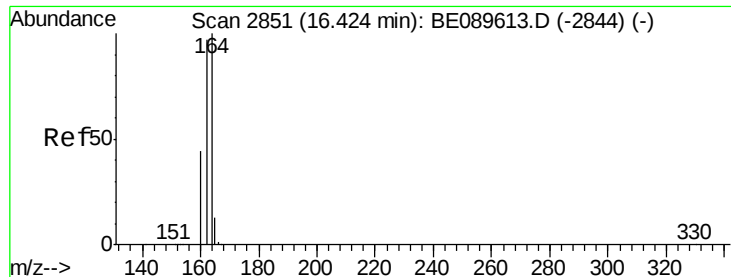
Acq: 18 Feb 2015 18:55

Tgt Ion:	142	Resp:	1233
Ion Ratio		Lower	Upper
142	100		
141	87.3	68.3	102.5
115	35.3	25.1	37.7



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2852

Delta R.T. -0.00 min

Lab File: BE089624.D

Acq: 18 Feb 2015 18:55

Instrument :

BNA_E

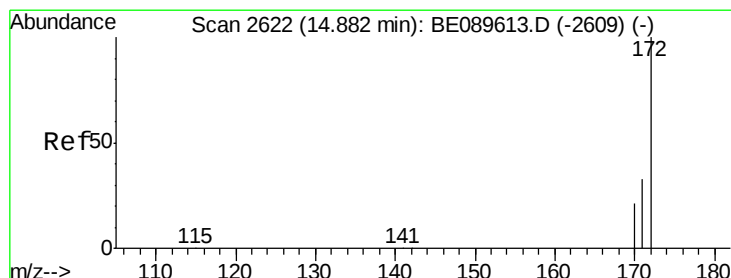
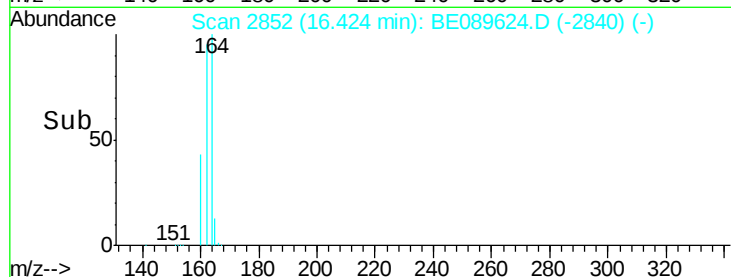
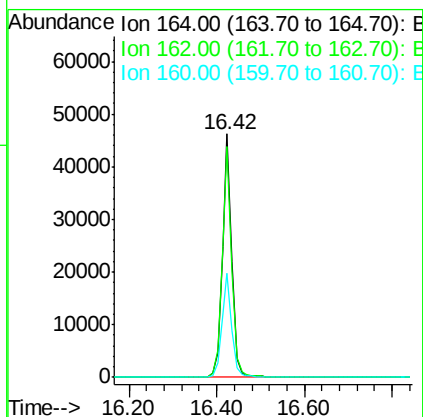
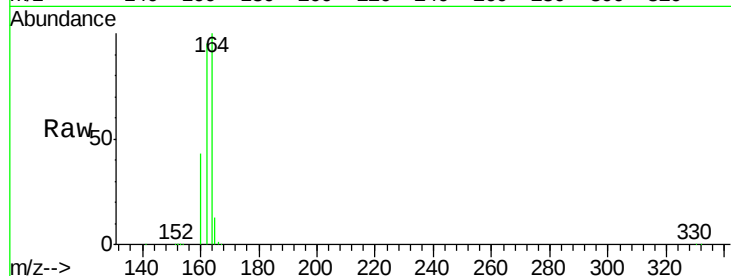
ClientSampleId :

MDL-04-W

Tgt Ion:	164	Resp:	68928
Ion Ratio	Lower	Upper	
164	100		
162	94.6	77.5	116.3
160	42.6	35.5	53.3

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#9

2-Fluorobiphenyl

Concen: 9.60 ng

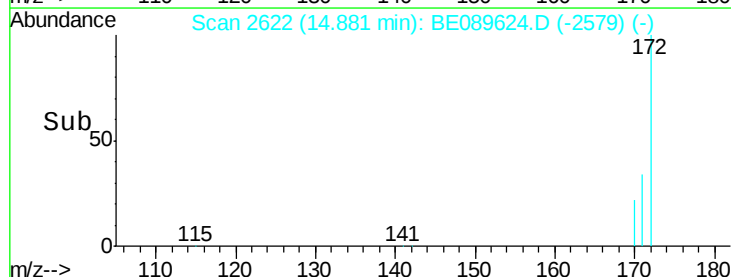
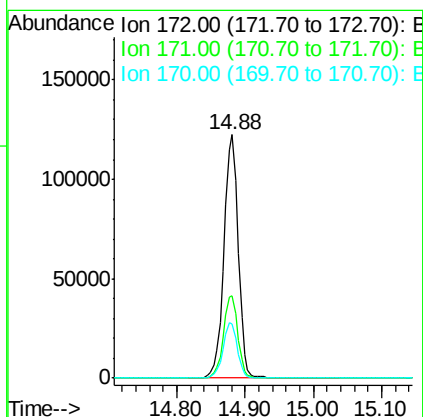
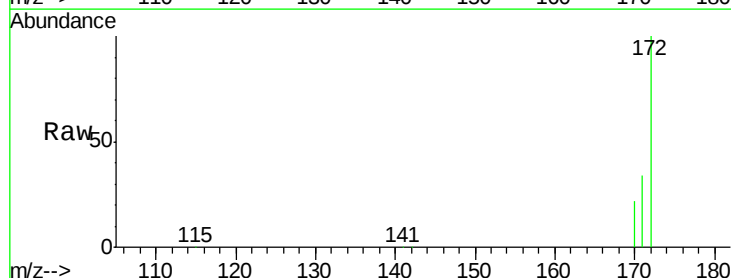
RT: 14.88 min Scan# 2622

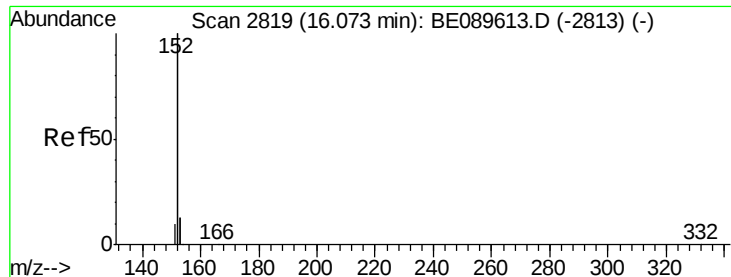
Delta R.T. -0.00 min

Lab File: BE089624.D

Acq: 18 Feb 2015 18:55

Tgt Ion:	172	Resp:	177205
Ion Ratio	Lower	Upper	
172	100		
171	33.6	26.9	40.3
170	22.0	17.4	26.0





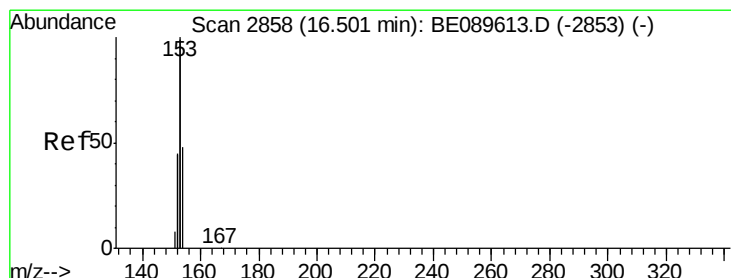
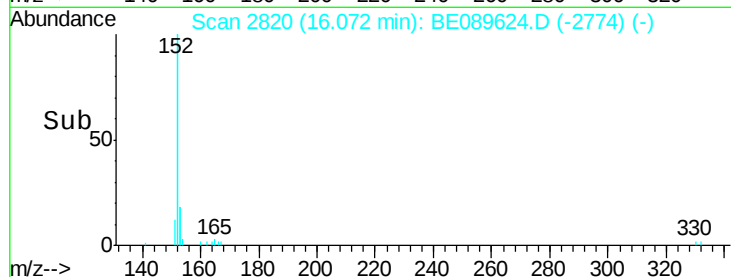
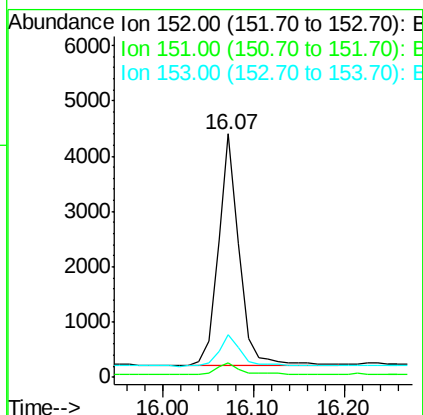
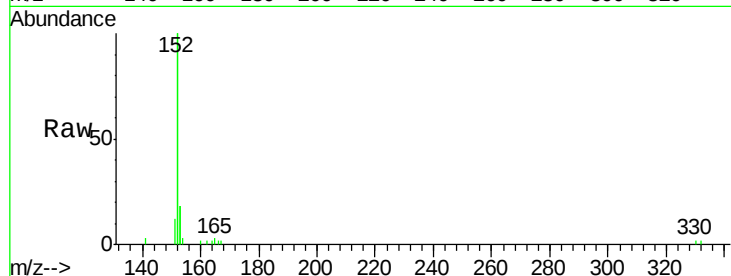
#10
Acenaphthylene
Concen: 0.06 ng
RT: 16.07 min Scan# 2820
Delta R.T. -0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	14.1	10.5	15.7

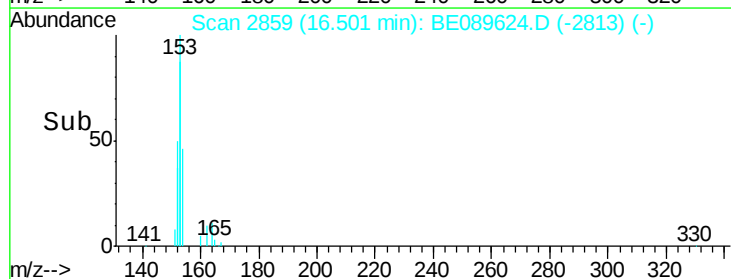
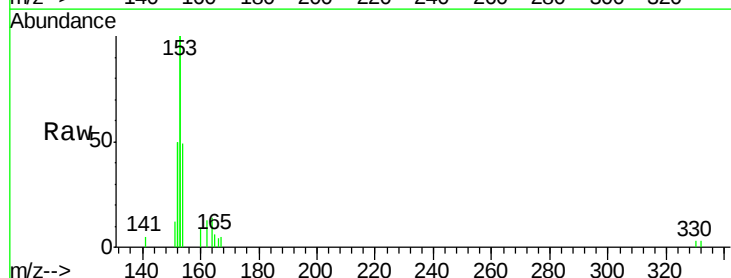
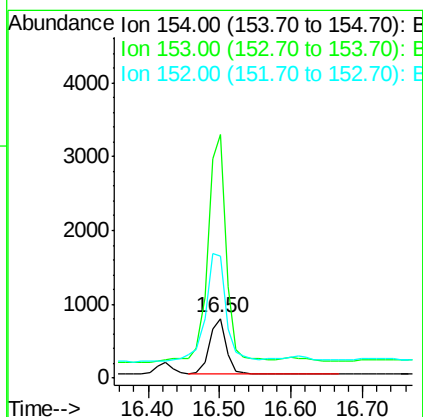
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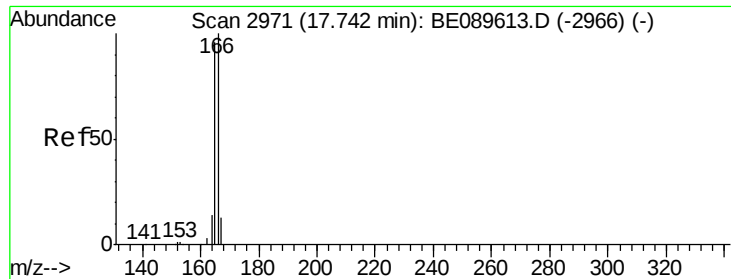
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#11
Acenaphthene
Concen: 0.07 ng
RT: 16.50 min Scan# 2859
Delta R.T. -0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	442.1	348.9	523.3
152	234.7	166.6	249.8





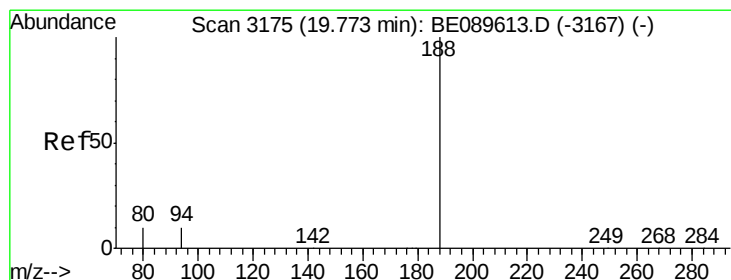
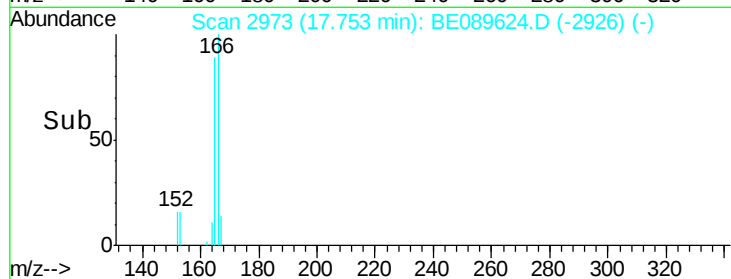
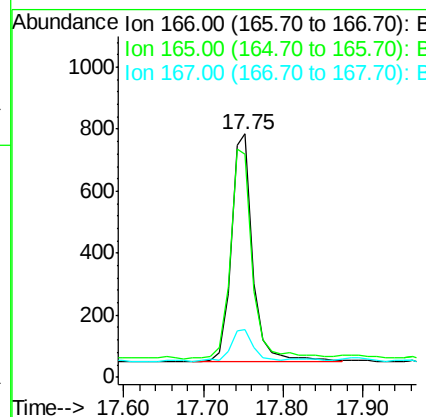
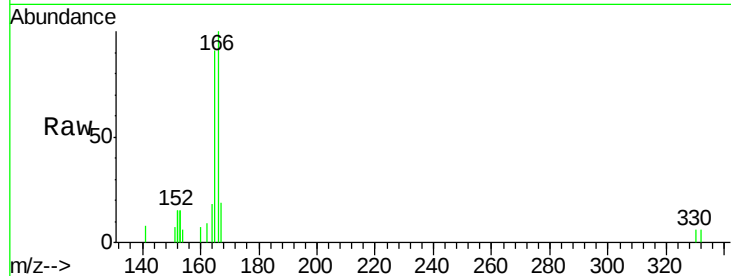
#12
 Fluorene
 Concen: 0.07 ng
 RT: 17.75 min Scan# 2973
 Delta R.T. 0.01 min
 Lab File: BE089624.D
 Acq: 18 Feb 2015 18:55

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-W

Tgt Ion	Ratio	Lower	Upper
166	100		
165	93.2	74.7	112.1
167	14.9	10.5	15.7

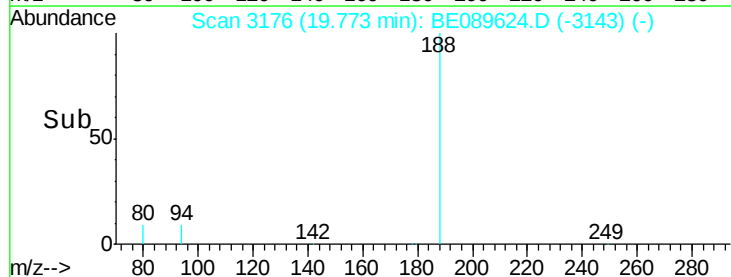
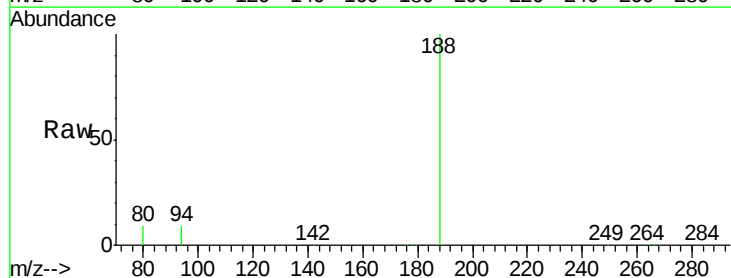
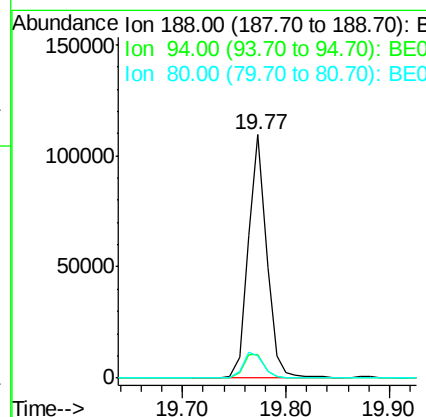
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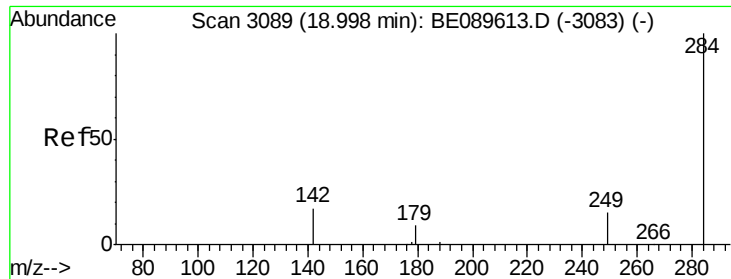
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#13
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.77 min Scan# 3176
 Delta R.T. 0.00 min
 Lab File: BE089624.D
 Acq: 18 Feb 2015 18:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.2	12.4
80	9.2	8.1	12.1





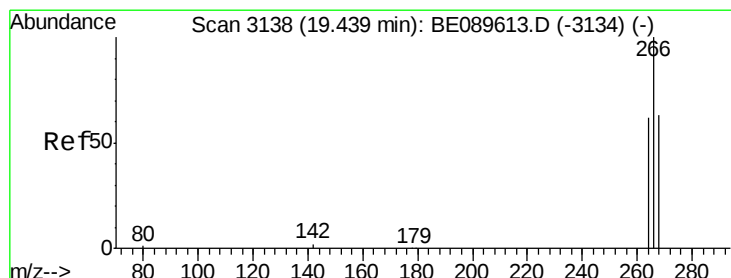
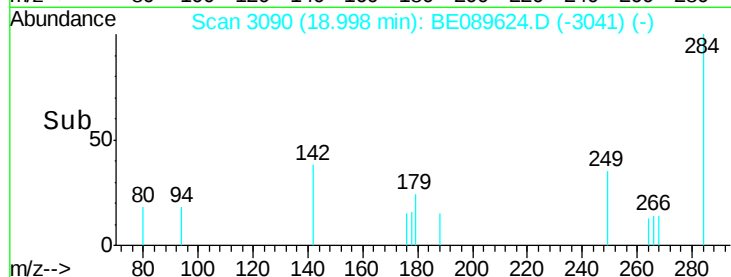
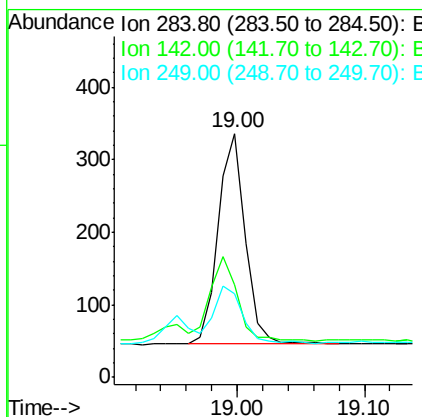
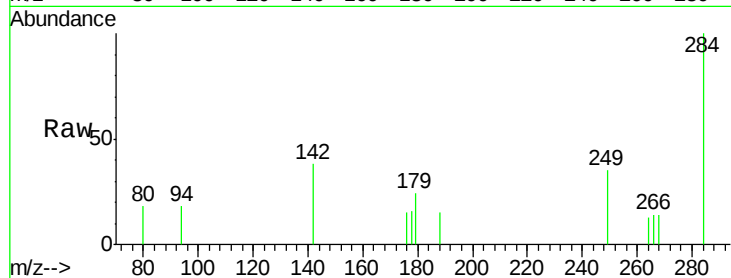
#14
Hexachlorobenzene
Concen: 0.07 ng
RT: 19.00 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Resp	Lower	Upper
284	100	428		
142	49.1		32.3	48.5#
249	28.5		22.3	33.5

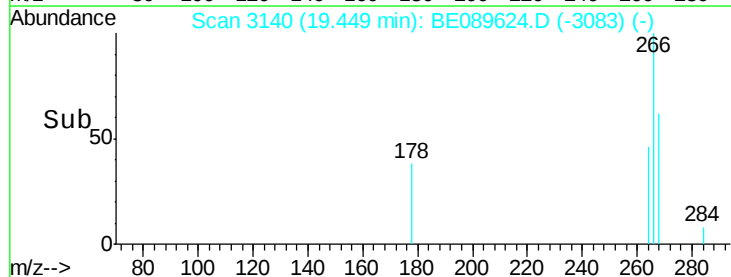
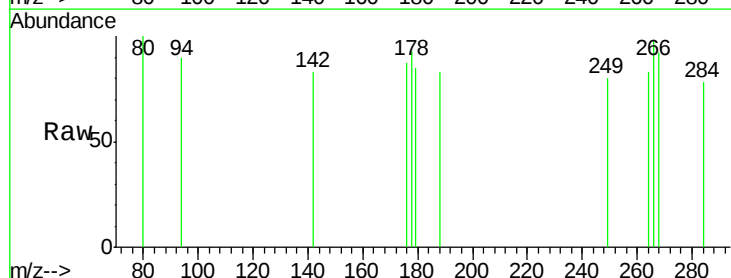
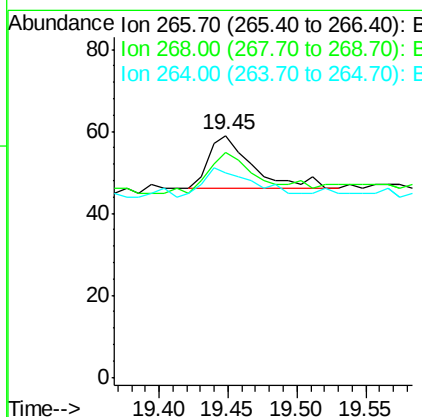
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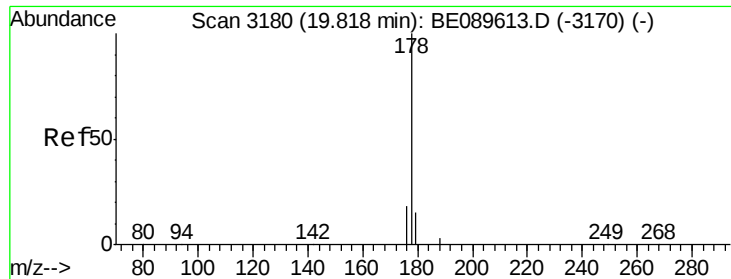
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#15
Pentachlorophenol
Concen: Below Cal
RT: 19.45 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	29		
268	93.2		52.6	79.0#
264	84.7		51.8	77.8#





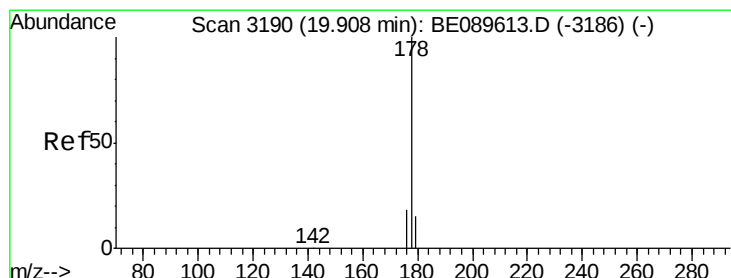
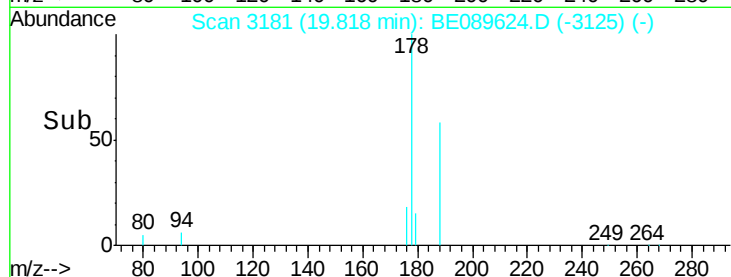
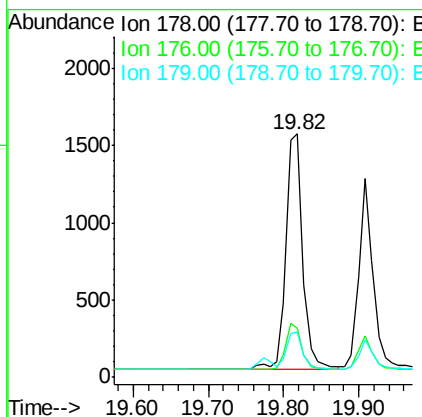
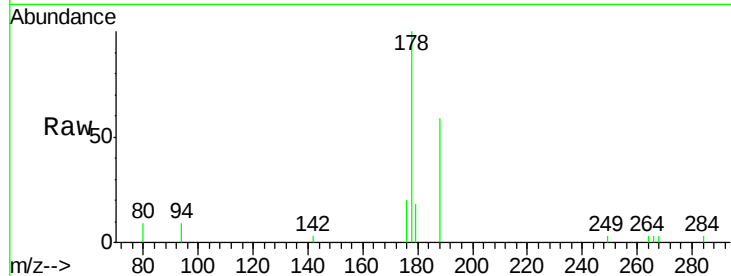
#16
Phenanthrene
Concen: 0.07 ng
RT: 19.82 min Scan# 3181
Delta R.T. 0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.4	12.3	18.5

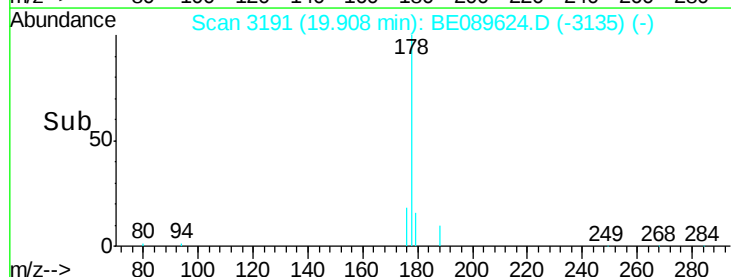
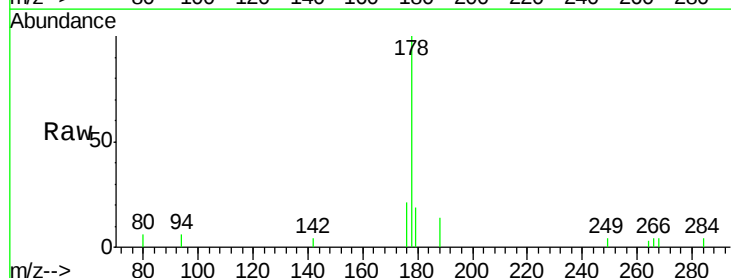
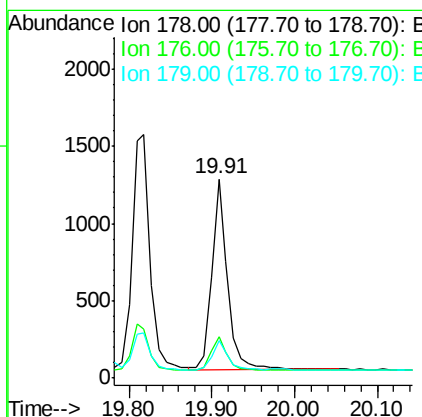
Manual Integrations
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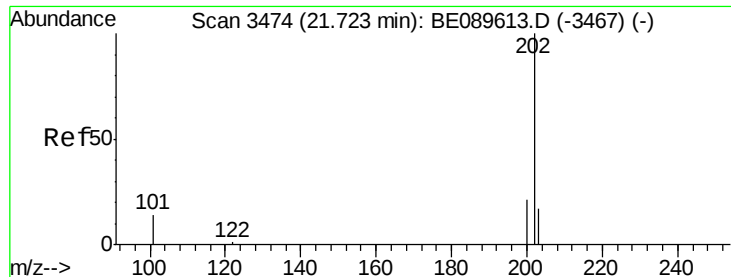
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#17
Anthracene
Concen: 0.06 ng
RT: 19.91 min Scan# 3191
Delta R.T. 0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	22.0
179	15.9	12.3	18.5





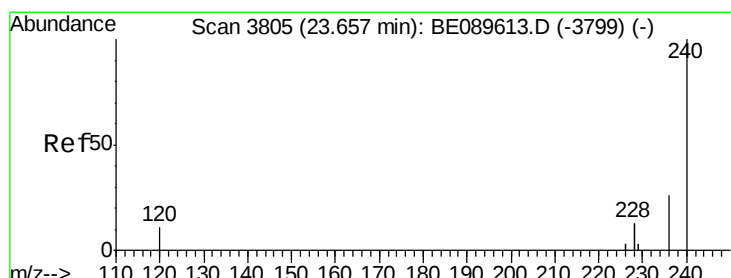
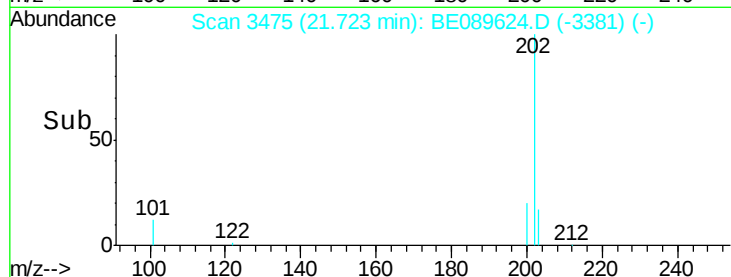
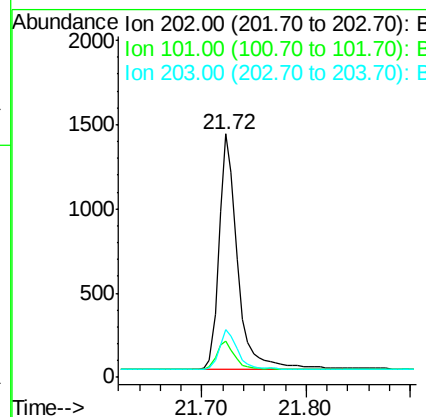
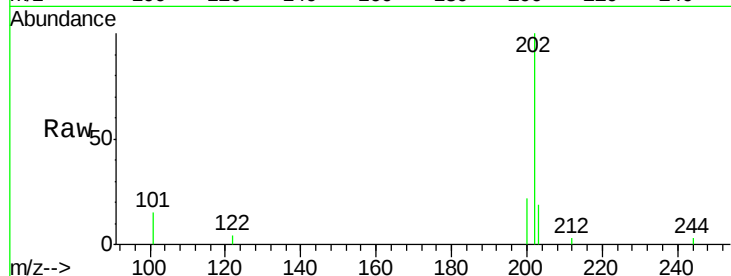
#18
 Fluoranthene
 Concen: 0.06 ng
 RT: 21.72 min Scan# 3475
 Delta R.T. 0.00 min
 Lab File: BE089624.D
 Acq: 18 Feb 2015 18:55

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-W

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	10.4	15.6
203	17.0	13.9	20.9

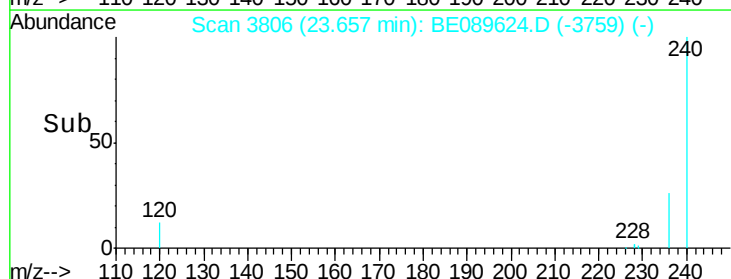
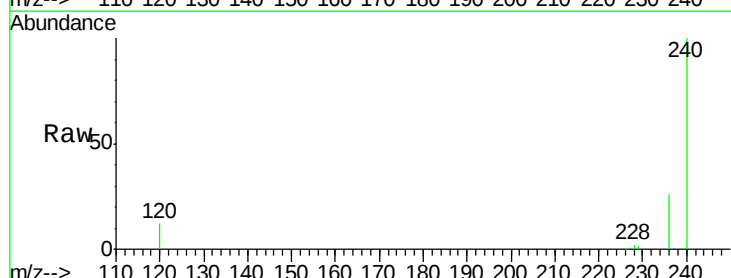
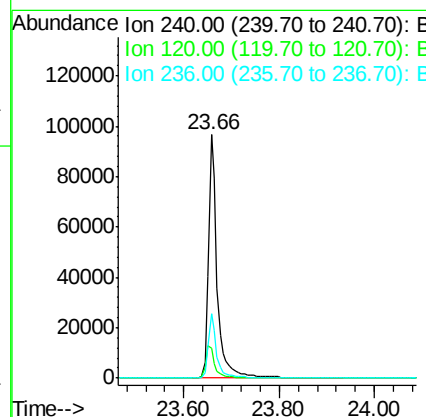
Manual Integrations
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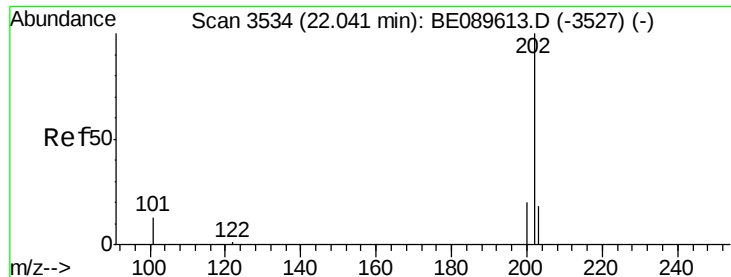
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#19
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.66 min Scan# 3806
 Delta R.T. -0.00 min
 Lab File: BE089624.D
 Acq: 18 Feb 2015 18:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	9.0	13.4
236	26.4	21.0	31.6





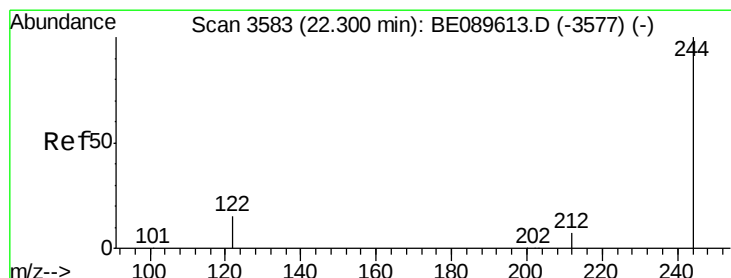
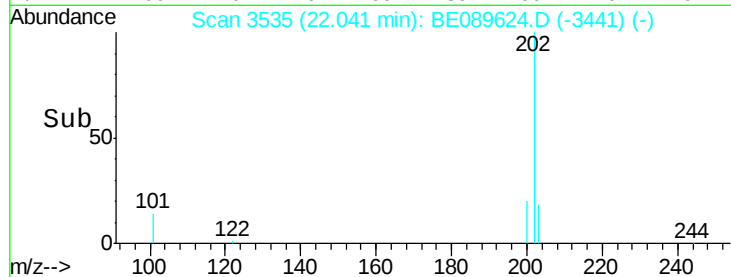
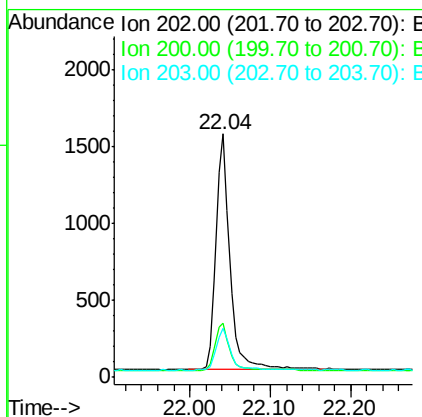
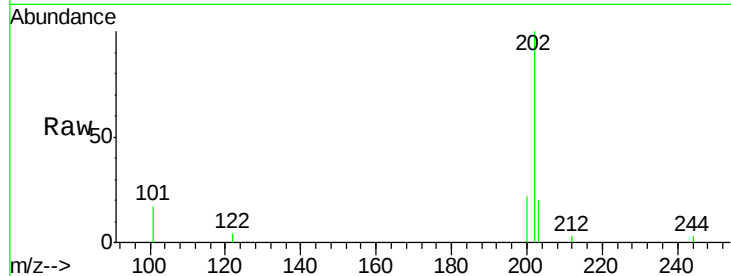
#20
Pyrene
Concen: 0.06 ng
RT: 22.04 min Scan# 3535
Delta R.T. 0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.3	24.5
203	17.4	13.8	20.8

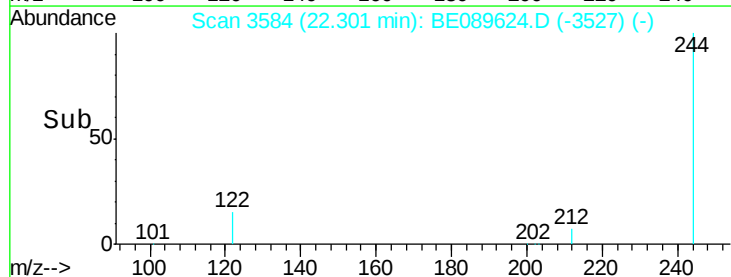
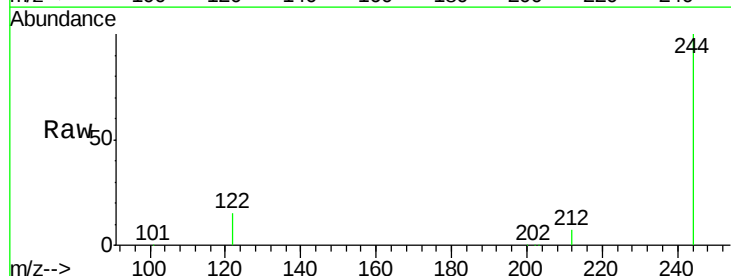
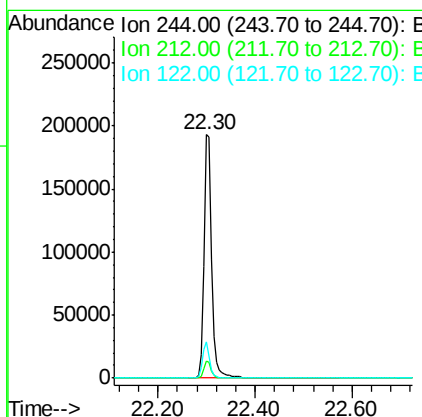
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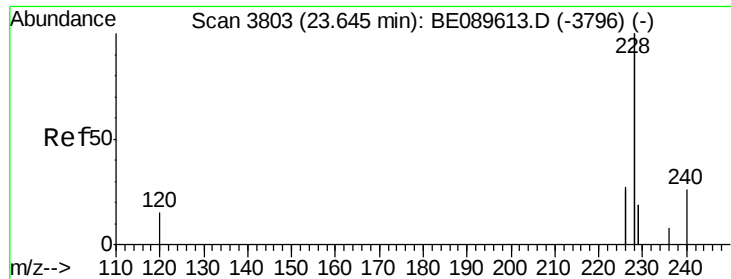
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#21
Terphenyl-d14
Concen: 11.91 ng
RT: 22.30 min Scan# 3584
Delta R.T. 0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	14.9	11.8	17.8





#22

Benzo(a)anthracene

Concen: 0.06 ng m

RT: 23.65 min Scan# 3805

Delta R.T. 0.01 min

Lab File: BE089624.D

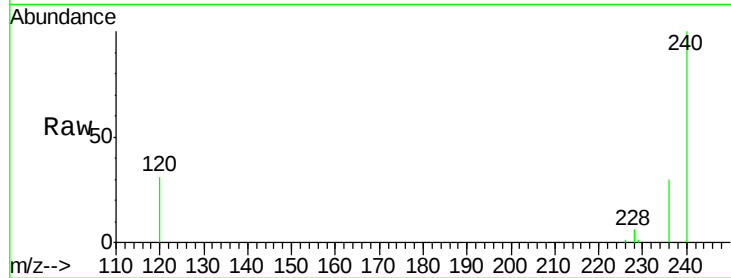
Acq: 18 Feb 2015 18:55

Instrument :

BNA_E

ClientSampleId :

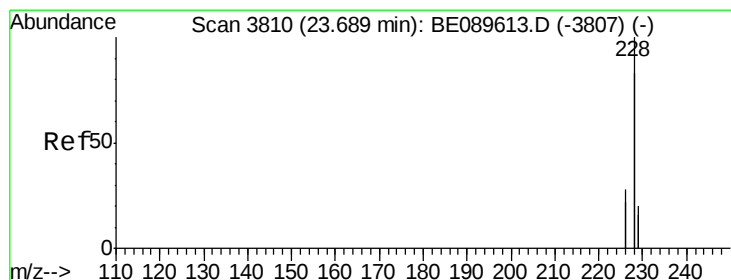
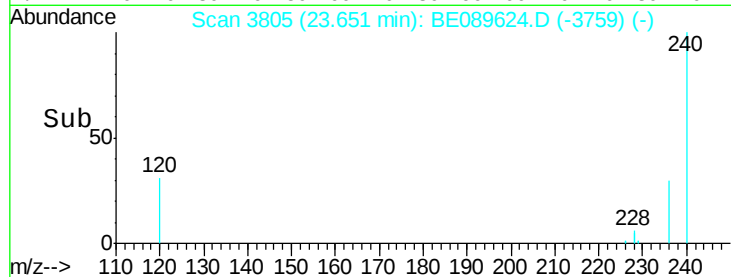
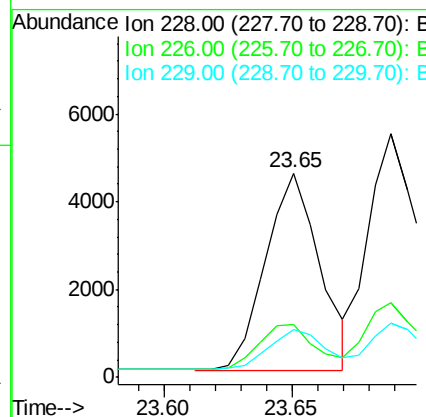
MDL-04-W



Tgt Ion:	228	Resp:	6598
Ion Ratio	Lower	Upper	
228	100		
226	25.7	21.2	31.8
229	23.7	15.2	22.8

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#23

Chrysene

Concen: 0.09 ng

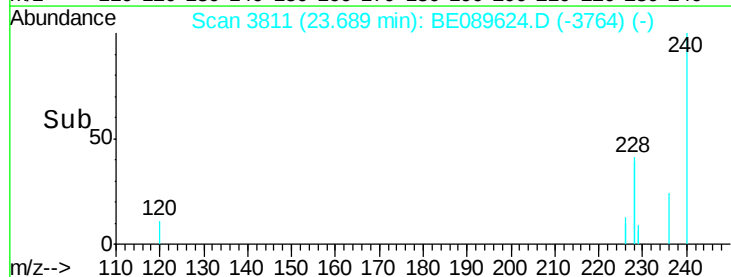
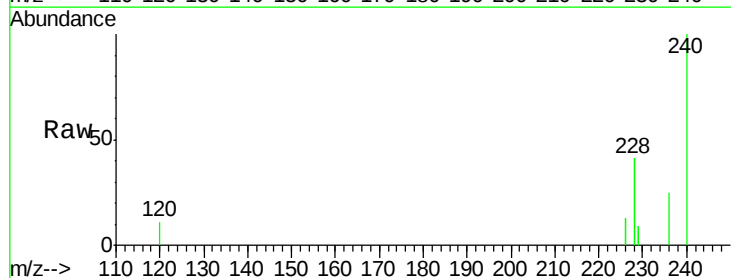
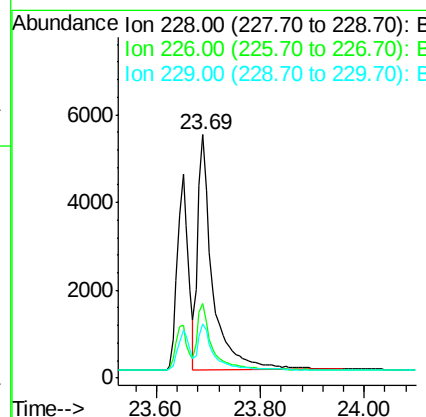
RT: 23.69 min Scan# 3811

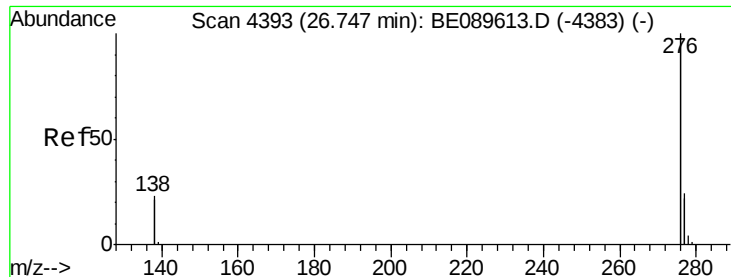
Delta R.T. -0.00 min

Lab File: BE089624.D

Acq: 18 Feb 2015 18:55

Tgt Ion:	228	Resp:	10554
Ion Ratio	Lower	Upper	
228	100		
226	30.7	22.2	33.4
229	22.2	16.0	24.0





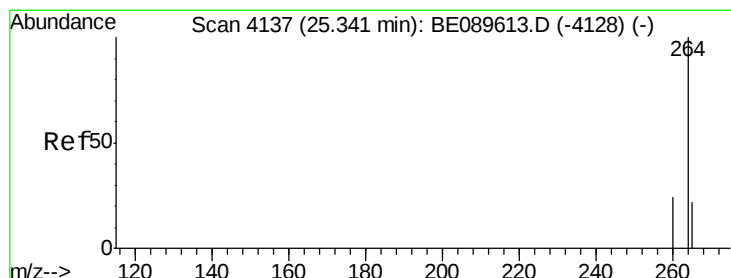
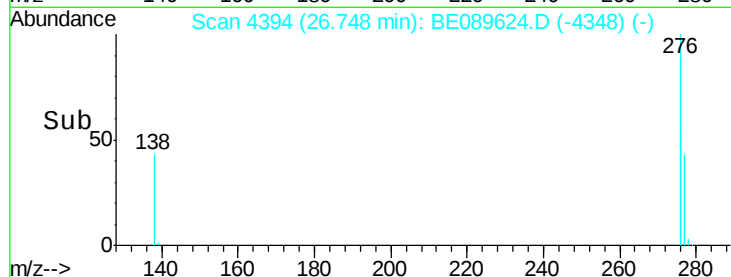
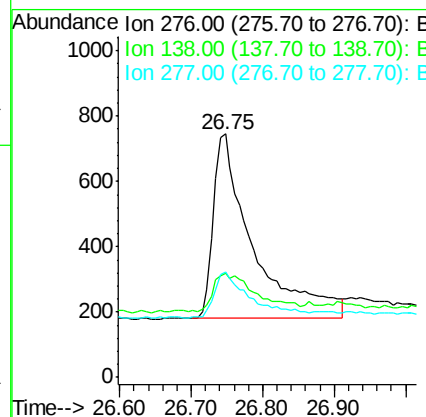
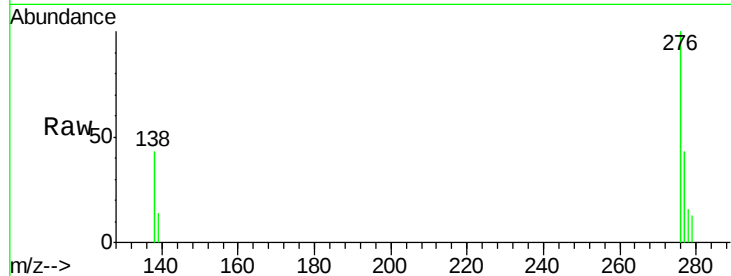
#24
Indeno(1,2,3-cd)pyrene
Concen: 0.19 ng
RT: 26.75 min Scan# 4394
Delta R.T. 0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.1	21.4	32.2
277	23.2	19.9	29.9

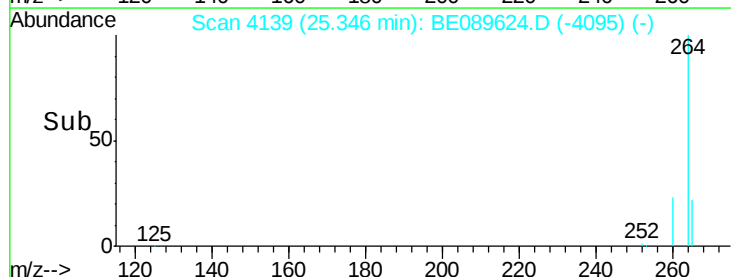
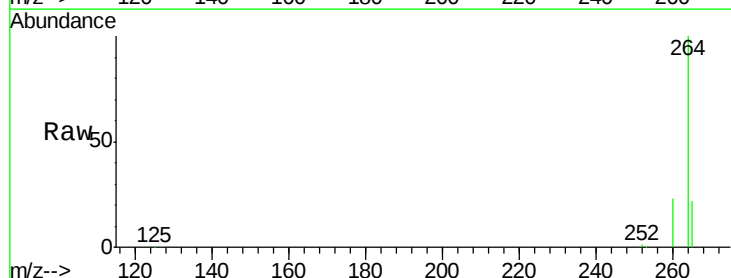
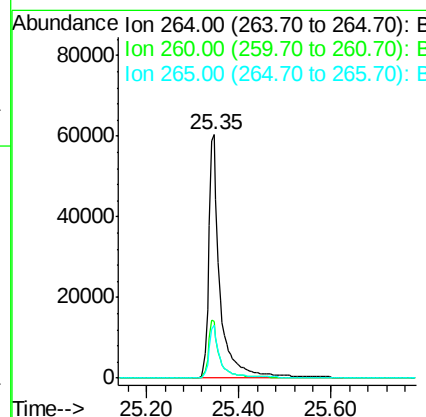
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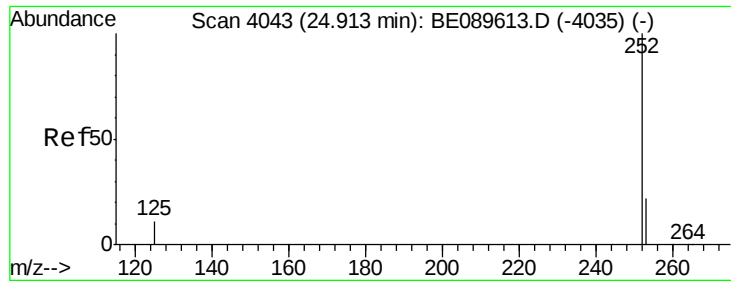
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#25
Perylene-d12
Concen: 5.00 ng
RT: 25.35 min Scan# 4139
Delta R.T. 0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

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





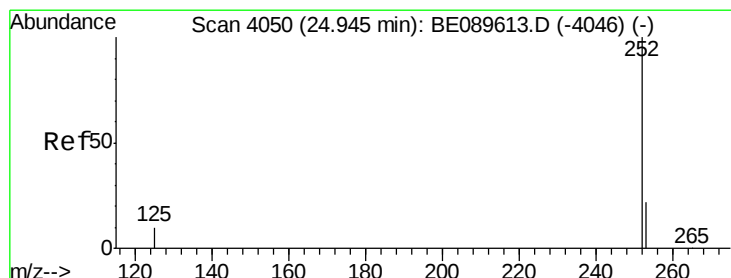
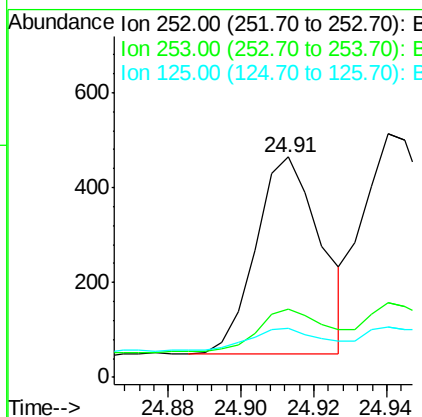
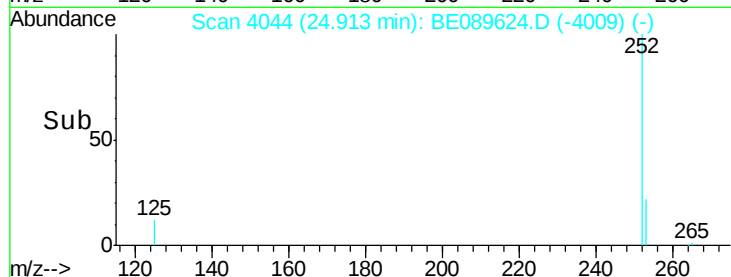
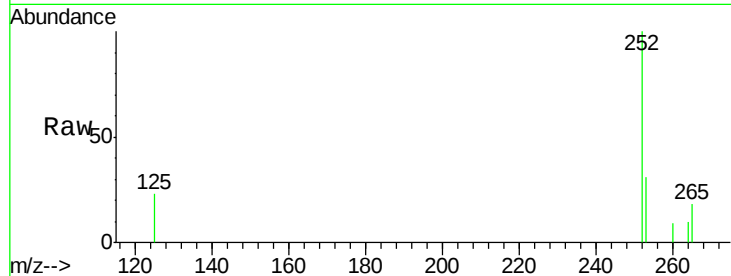
#26
Benzo(b)fluoranthene
Concen: 0.29 ng
RT: 24.91 min Scan# 4044
Delta R.T. 0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion: 252 Resp: 512
Ion Ratio Lower Upper
252 100
253 31.0 17.6 26.4#
125 22.6 8.8 13.2#

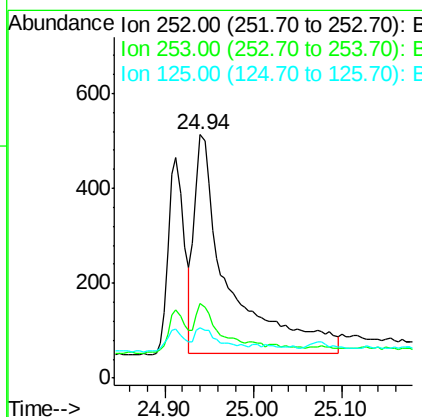
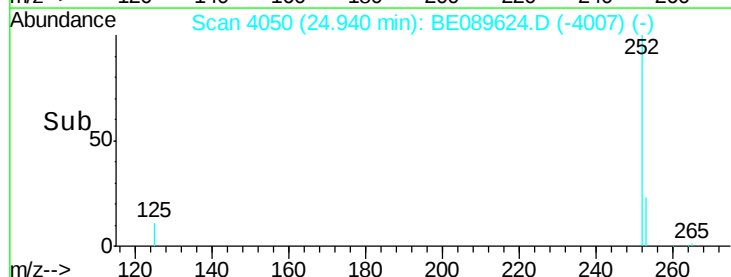
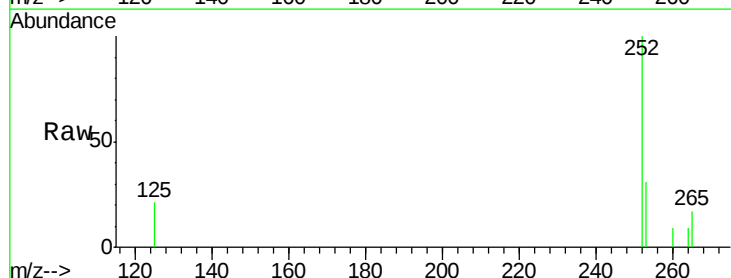
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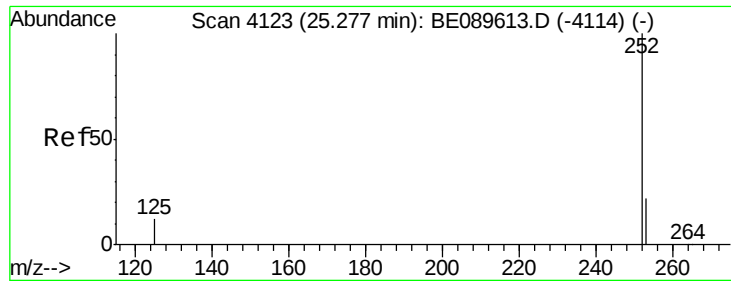
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#27
Benzo(k)fluoranthene
Concen: 0.04 ng m
RT: 24.94 min Scan# 4050
Delta R.T. -0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Tgt Ion: 252 Resp: 1228
Ion Ratio Lower Upper
252 100
253 30.8 17.7 26.5#
125 20.9 8.8 13.2#





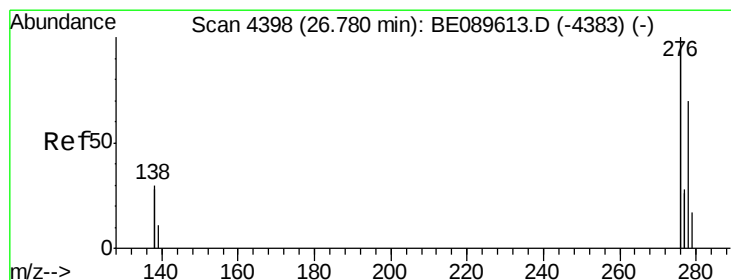
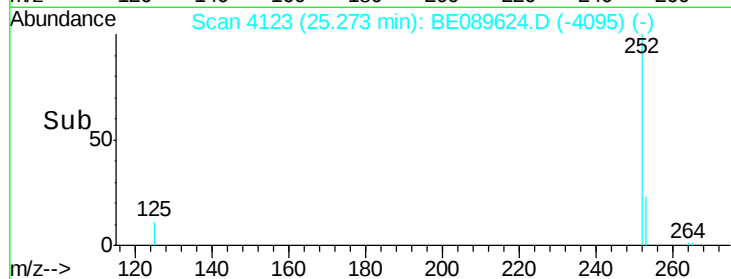
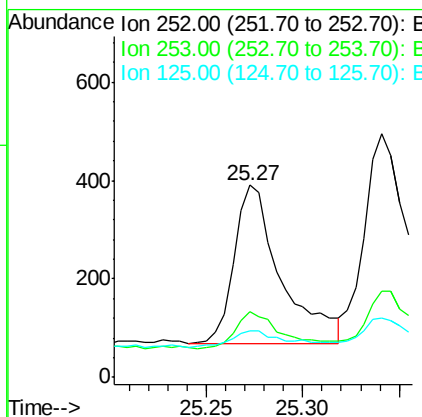
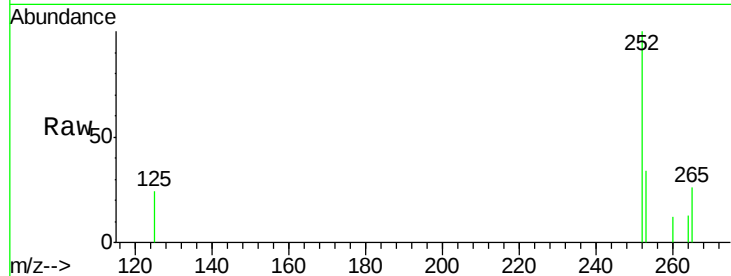
#28
Benzo(a)pyrene
Concen: 0.26 ng
RT: 25.27 min Scan# 4123
Delta R.T. -0.00 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

Instrument :
BNA_E
ClientSampleId :
MDL-04-W

Tgt Ion	Ratio	Lower	Upper
252	100		
253	34.0	18.1	27.1#
125	24.3	9.6	14.4#

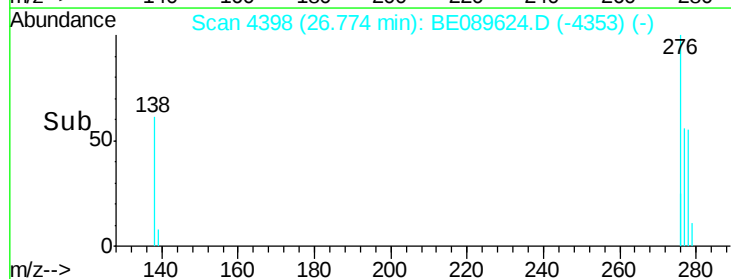
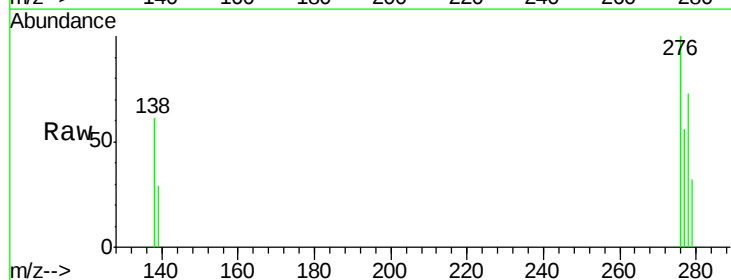
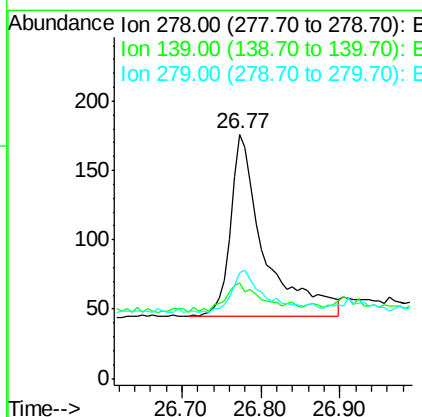
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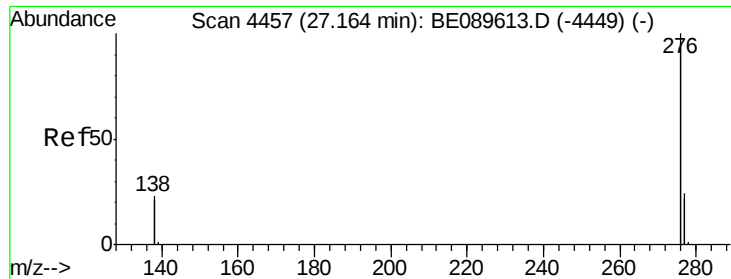
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#29
Dibenzo(a,h)anthracene
Concen: 0.25 ng
RT: 26.77 min Scan# 4398
Delta R.T. -0.01 min
Lab File: BE089624.D
Acq: 18 Feb 2015 18:55

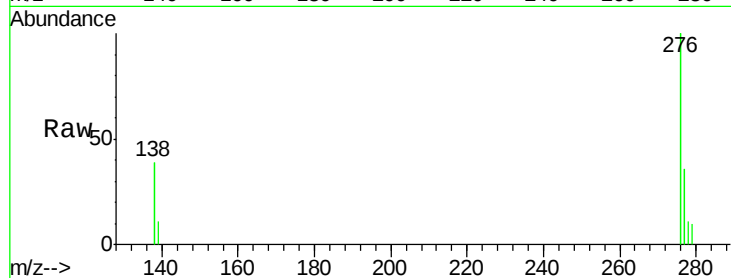
Tgt Ion	Ratio	Lower	Upper
278	100		
139	39.2	13.7	20.5#
279	43.2	19.7	29.5#





#30
 Benzo(g,h,i)perylene
 Concen: 0.16 ng
 RT: 27.16 min Scan# 4457
 Delta R.T. -0.01 min
 Lab File: BE089624.D
 Acq: 18 Feb 2015 18:55

Instrument :
 BNA_E
 ClientSampleId :
 MDL-04-W



Tgt Ion:	276	Resp:	2929
Ion Ratio	Lower	Upper	
276	100		
277	36.4	19.1	28.7#
138	38.9	18.7	28.1#

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