

Data Path : Z:\HPCHEM1\BNA_E\Data\BE021815\
 Data File : BE089627.D
 Acq On : 18 Feb 2015 20:51
 Operator : TP/IZ
 Sample : MDL-07-W
 Misc : MDL-WATER-0.1/0.2
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W

Quant Time: Feb 19 05:03:21 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

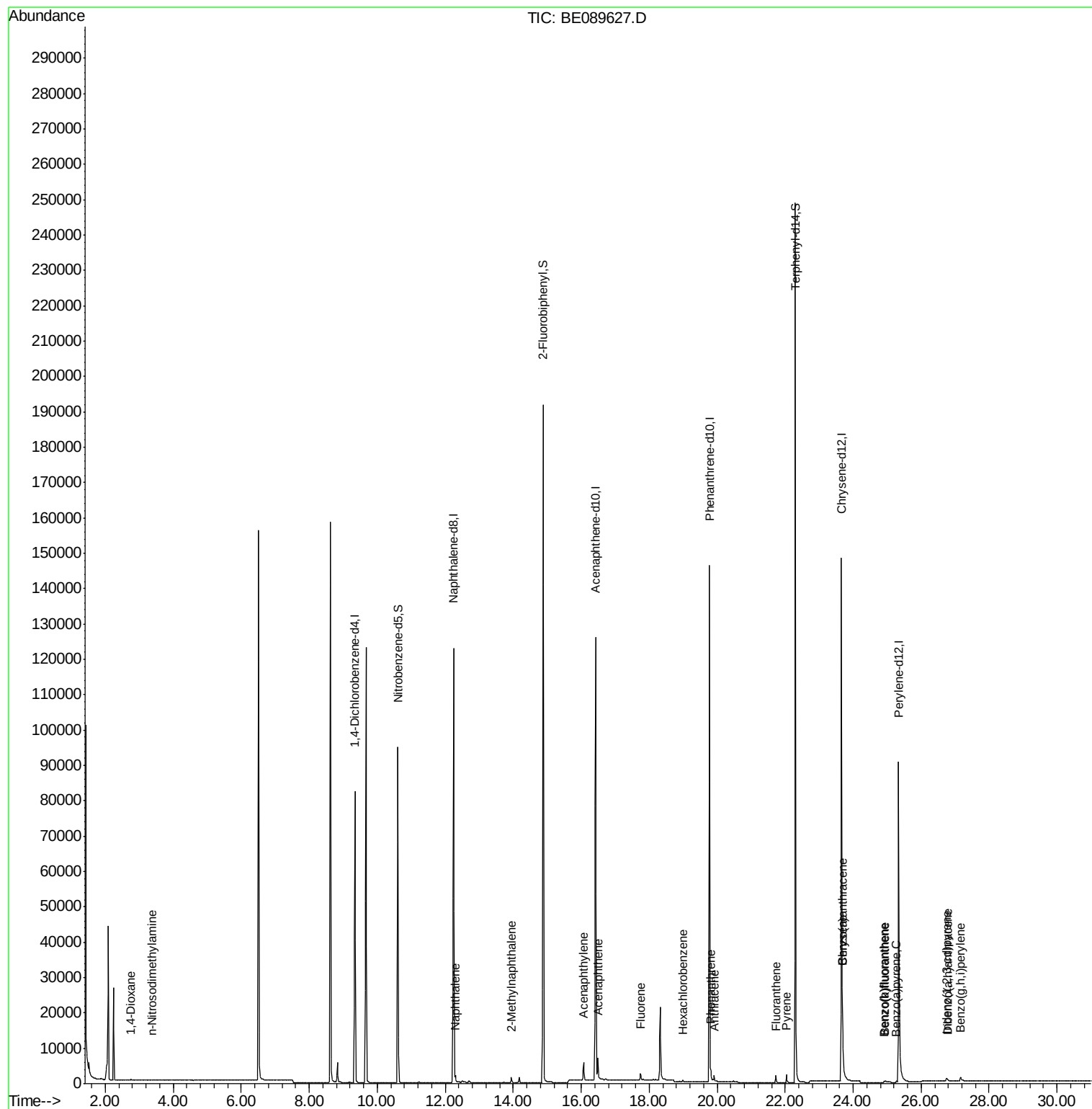
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	38561	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	152449	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	74334	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	145050	5.00	ng	0.00
19) Chrysene-d12	23.66	240	130871	5.00	ng	0.00
25) Perylene-d12	25.34	264	104292	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	69017	10.41	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	178607	8.97	ng	0.00
21) Terphenyl-d14	22.30	244	211784	11.25	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.75	88	285	0.06	ng	# 85
3) n-Nitrosodimethylamine	3.35	42	4	0.00	ng	# 1
6) Naphthalene	12.30	128	2324	0.07	ng	# 94
7) 2-Methylnaphthalene	13.95	142	1265	0.06	ng	97
10) Acenaphthylene	16.07	152	6806	0.06	ng	99
11) Acenaphthene	16.50	154	1305	0.07	ng	93
12) Fluorene	17.74	166	1448	0.06	ng	96
14) Hexachlorobenzene	19.00	284	454	0.07	ng	97
15) Pentachlorophenol	19.44	266	27	Below Cal		# 63
16) Phenanthrene	19.82	178	2415	0.07	ng	98
17) Anthracene	19.91	178	1715	0.06	ng	98
18) Fluoranthene	21.72	202	1771	0.05	ng	99
20) Pyrene	22.04	202	1861	0.06	ng	99
22) Benzo(a)anthracene	23.69	228	10124	0.09	ng	92
23) Chrysene	23.69	228	10124	0.08	ng	94
24) Indeno(1,2,3-cd)pyrene	26.74	276	1916	0.19	ng	94
26) Benzo(b)fluoranthene	24.91	252	470	0.29	ng	# 77
27) Benzo(k)fluoranthene	24.94	252	872	0.03	ng	# 78
28) Benzo(a)pyrene	25.27	252	493	0.26	ng	# 72
29) Dibenzo(a,h)anthracene	26.78	278	320	0.24	ng	# 50
30) Benzo(g,h,i)perylene	27.16	276	2803	0.16	ng	# 66

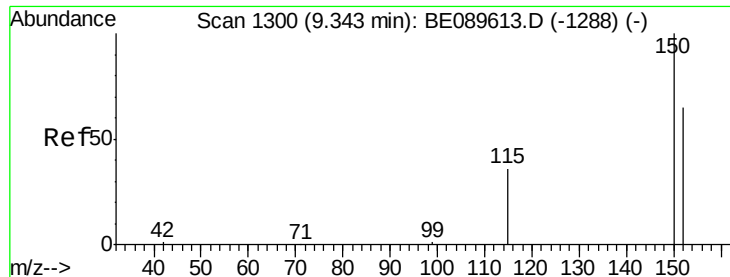
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1301

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

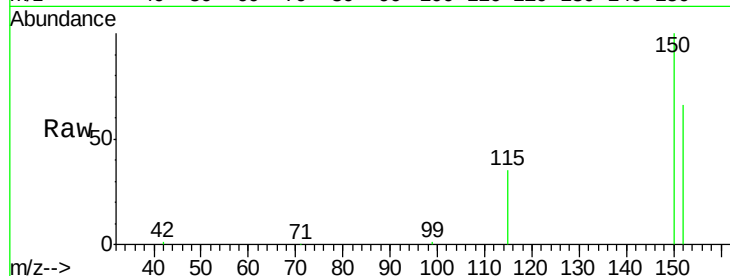
Tgt Ion:152 Resp: 38561

Ion Ratio Lower Upper

152 100

150 152.6 122.4 183.6

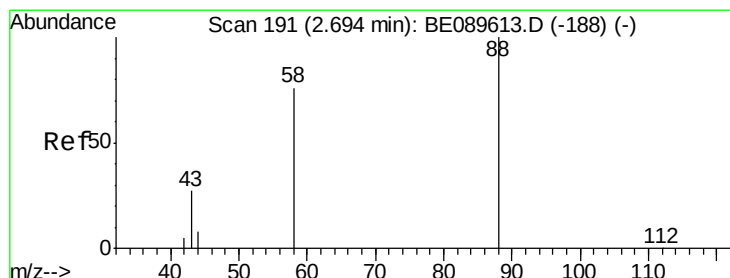
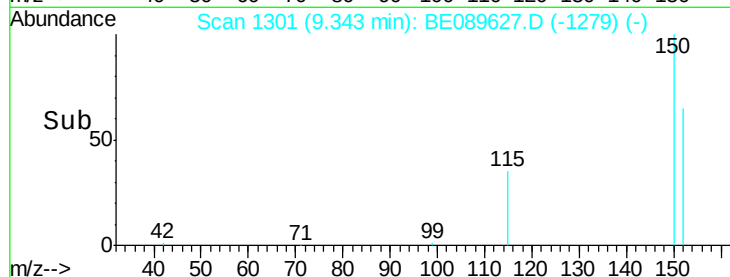
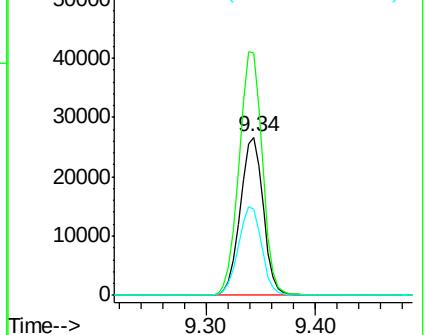
115 54.2 44.2 66.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.06 ng

RT: 2.75 min Scan# 199

Delta R.T. 0.05 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

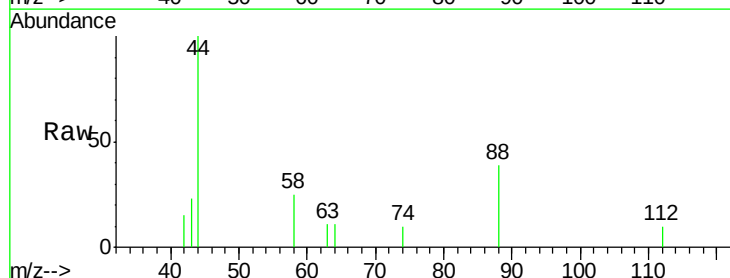
Tgt Ion: 88 Resp: 285

Ion Ratio Lower Upper

88 100

58 69.5 54.6 81.8

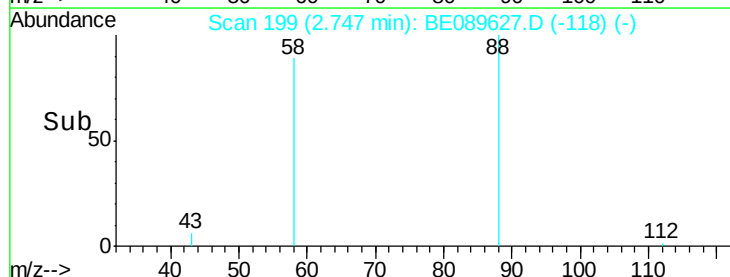
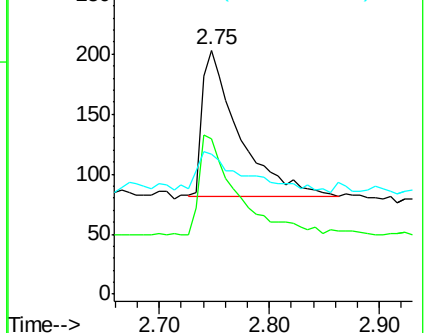
43 0.0 20.6 30.8#

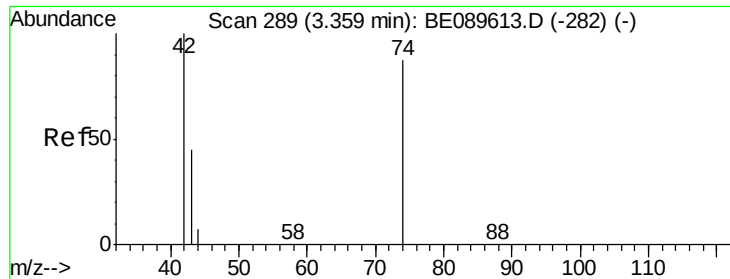


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.00 ng

RT: 3.35 min Scan# 288

Delta R.T. -0.01 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

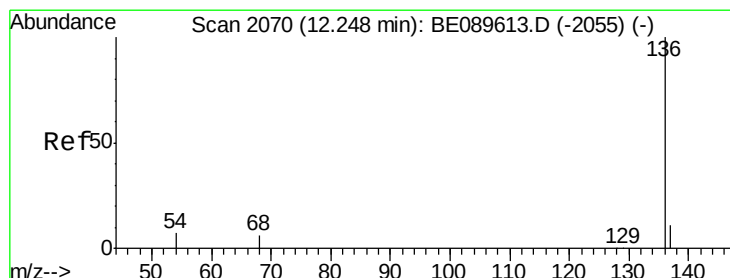
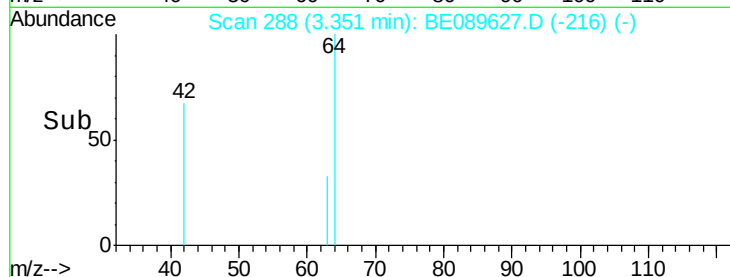
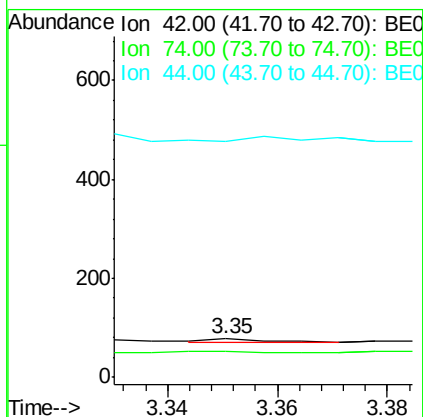
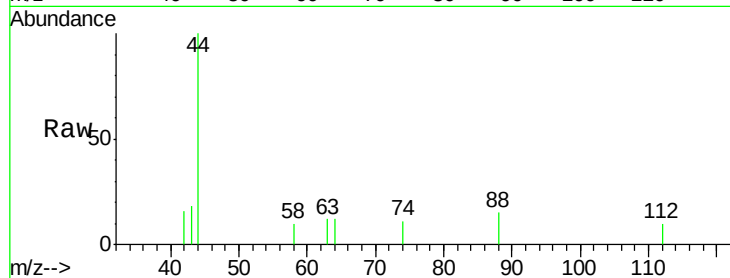
Instrument :

BNA_E

ClientSampleId :

MDL-07-W

Tgt Ion:	42	Resp:	4
Ion	Ratio	Lower	Upper
42	100		
74	0.0	121.4	182.0#
44	300.0	4.5	6.7#



#4

Naphthalene-d8

Concen: 5.00 ng

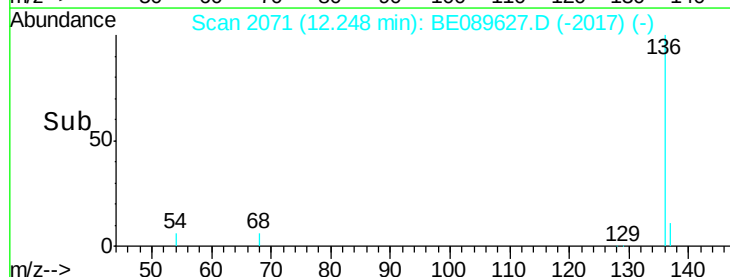
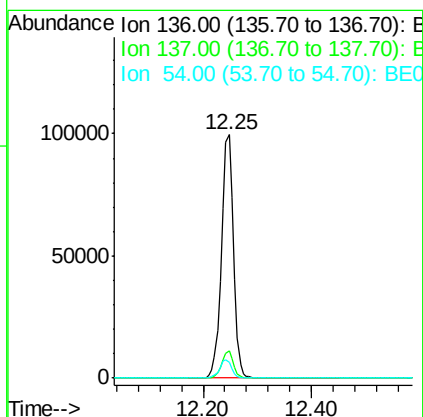
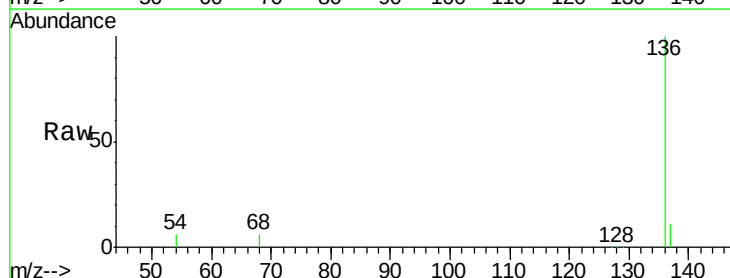
RT: 12.25 min Scan# 2071

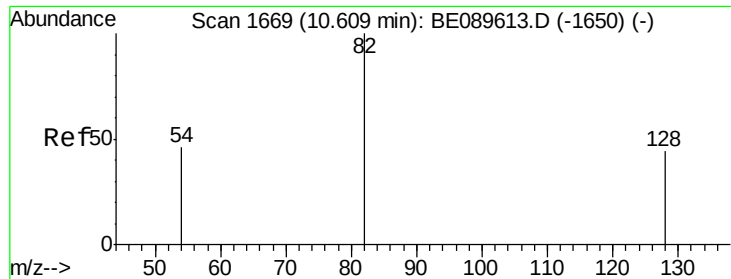
Delta R.T. -0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Tgt Ion:	136	Resp:	152449
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.4	5.3	7.9





#5

Nitrobenzene-d5

Concen: 10.41 ng

RT: 10.61 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

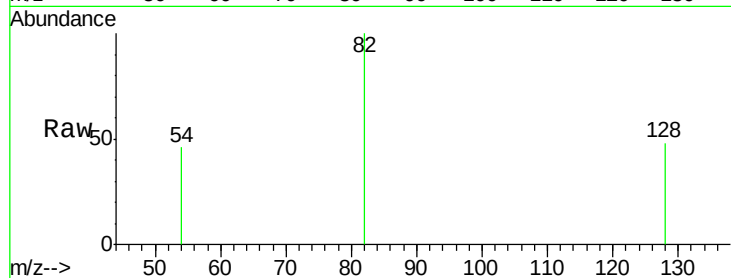
Tgt Ion: 82 Resp: 69017

Ion Ratio Lower Upper

82 100

128 48.0 35.5 53.3

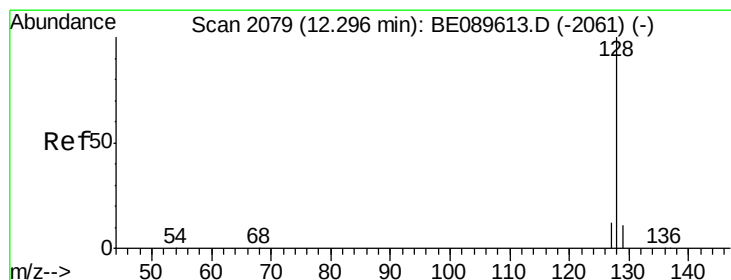
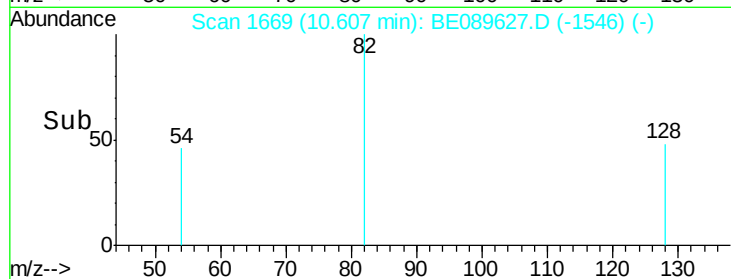
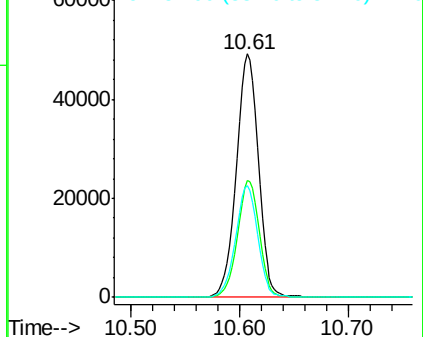
54 45.8 37.5 56.3



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 0.07 ng

RT: 12.30 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

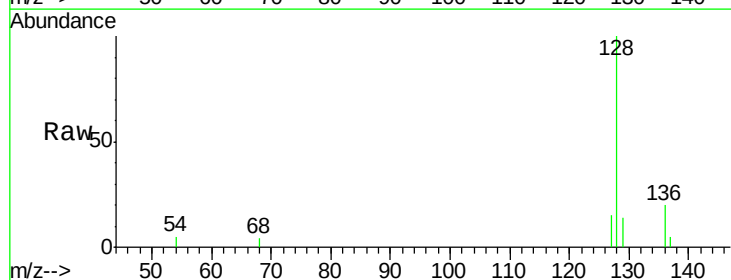
Tgt Ion: 128 Resp: 2324

Ion Ratio Lower Upper

128 100

129 13.5 8.9 13.3#

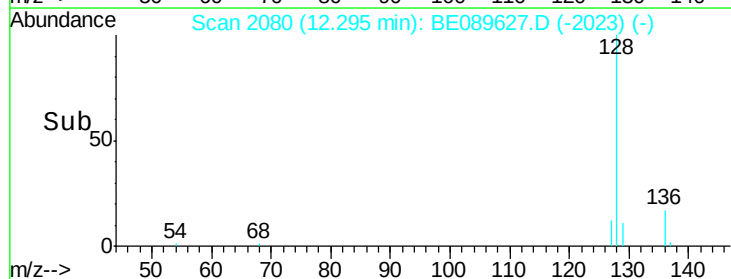
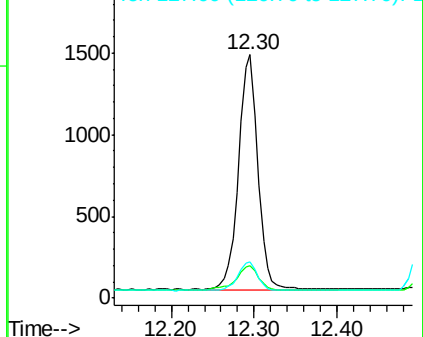
127 14.8 9.8 14.8

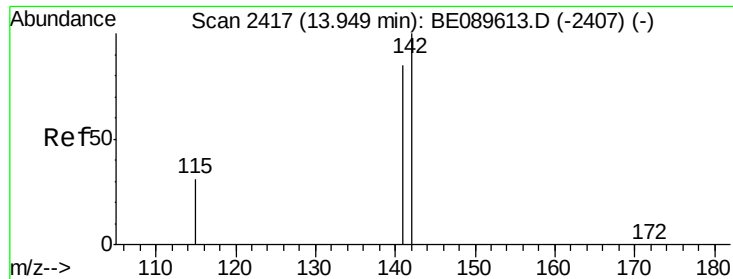


Abundance Ion 128.00 (127.70 to 128.70): E

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# 2419

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

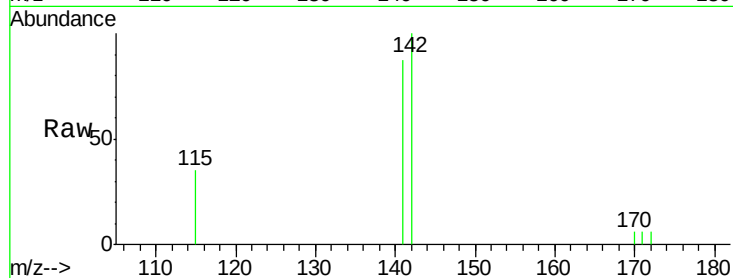
Tgt Ion:142 Resp: 1265

Ion Ratio Lower Upper

142 100

141 86.6 68.3 102.5

115 35.1 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

1000

800

600

400

200

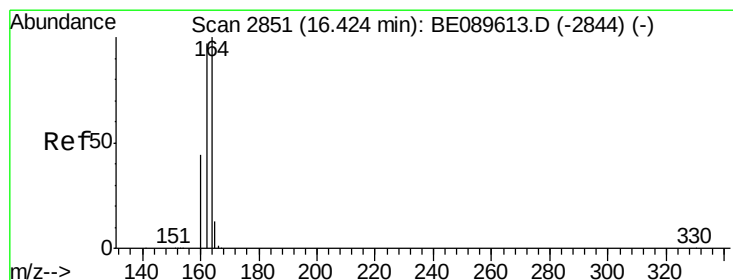
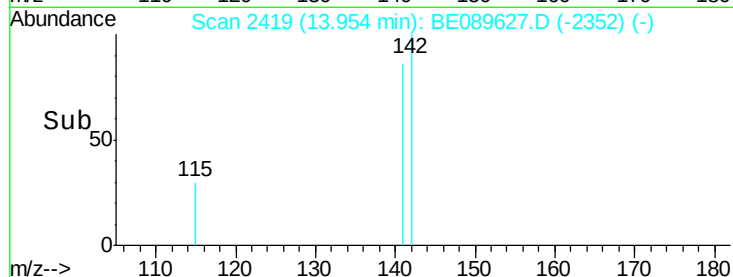
0

13.95

13.90

14.00

Time-->



#8

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.42 min Scan# 2853

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

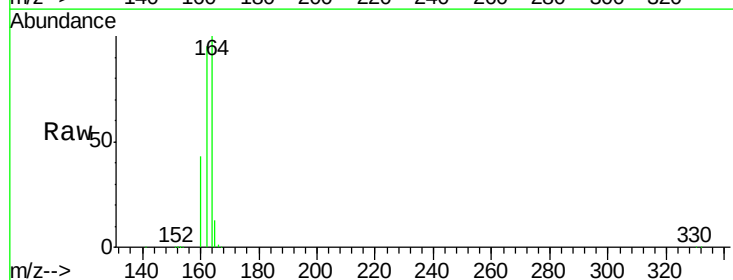
Tgt Ion:164 Resp: 74334

Ion Ratio Lower Upper

164 100

162 95.0 77.5 116.3

160 42.9 35.5 53.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

60000

40000

20000

0

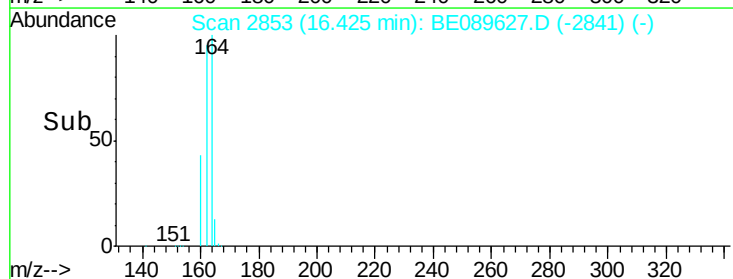
16.42

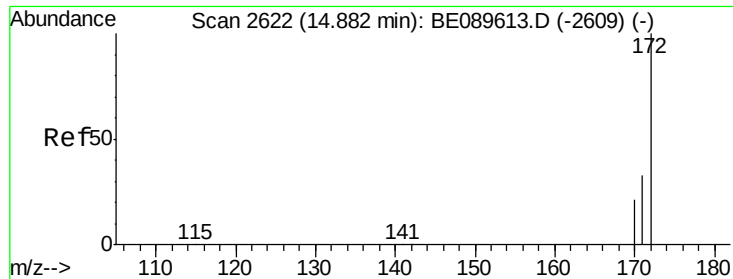
16.20

16.40

16.60

Time-->

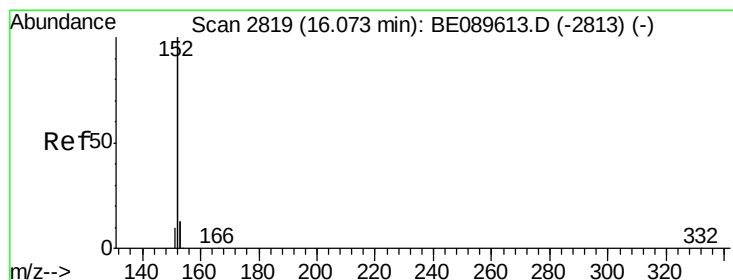
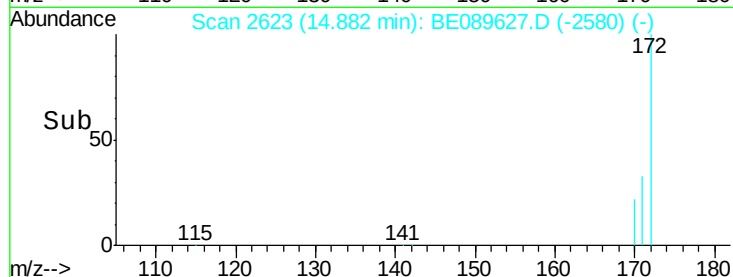
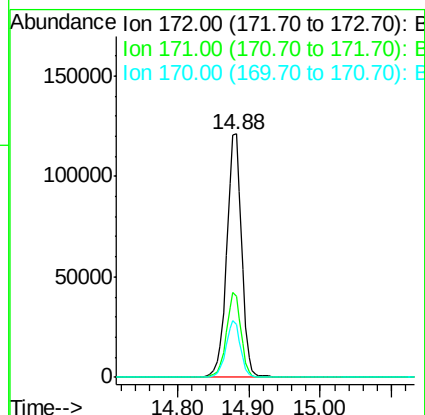
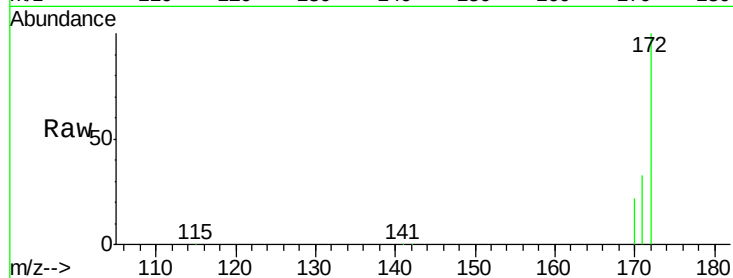




#9
 2-Fluorobiphenyl
 Concen: 8.97 ng
 RT: 14.88 min Scan# 2623
 Delta R.T. -0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

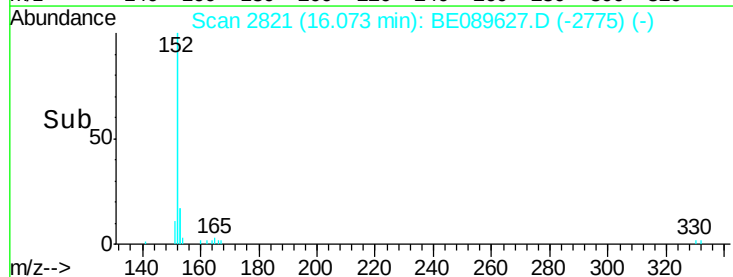
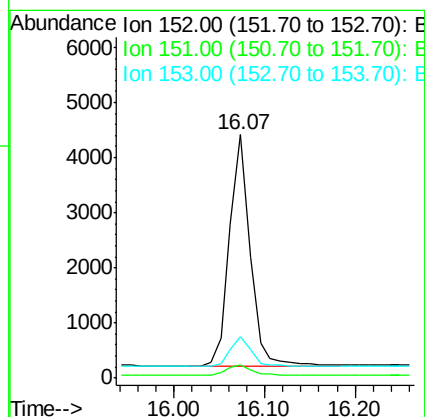
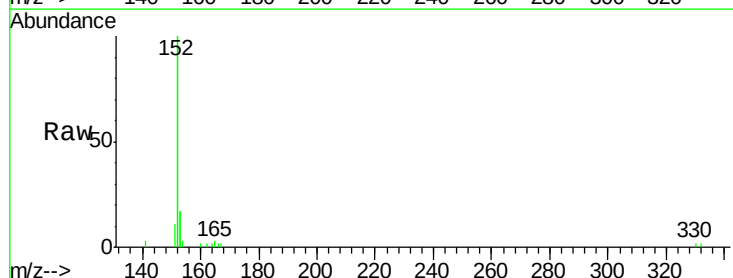
Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W

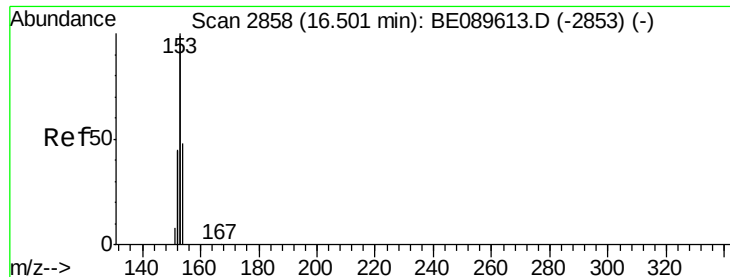
Tgt Ion:172 Resp: 178607
 Ion Ratio Lower Upper
 172 100
 171 33.2 26.9 40.3
 170 21.6 17.4 26.0



#10
 Acenaphthylene
 Concen: 0.06 ng
 RT: 16.07 min Scan# 2821
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

Tgt Ion:152 Resp: 6806
 Ion Ratio Lower Upper
 152 100
 151 4.9 3.9 5.9
 153 13.5 10.5 15.7





#11

Acenaphthene

Concen: 0.07 ng

RT: 16.50 min Scan# 2860

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

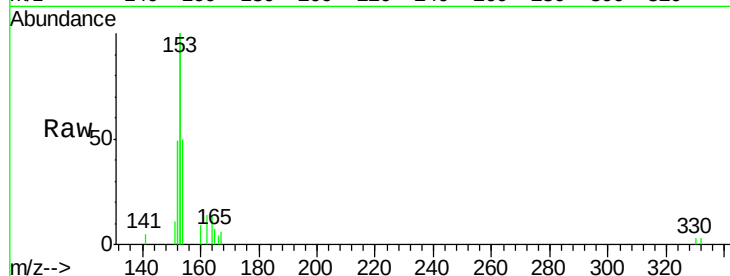
Tgt Ion:154 Resp: 1305

Ion Ratio Lower Upper

154 100

153 440.5 348.9 523.3

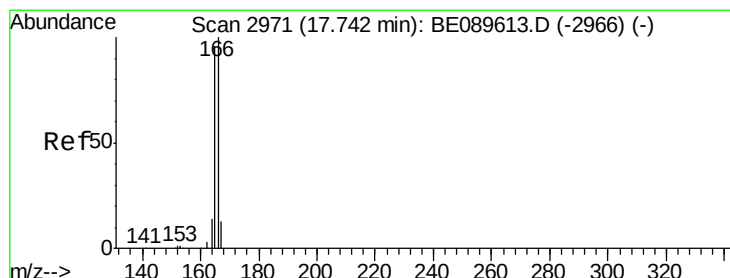
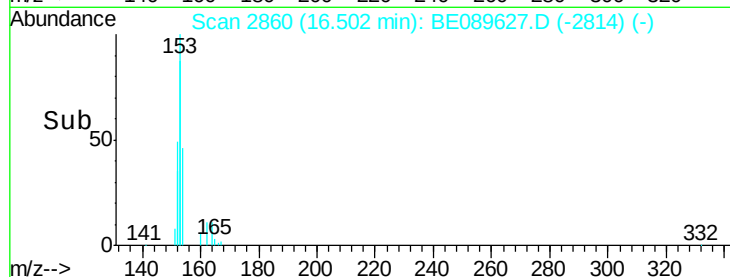
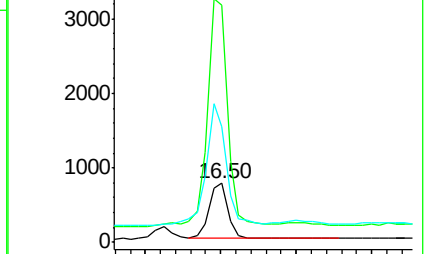
152 234.6 166.6 249.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.06 ng

RT: 17.74 min Scan# 2973

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

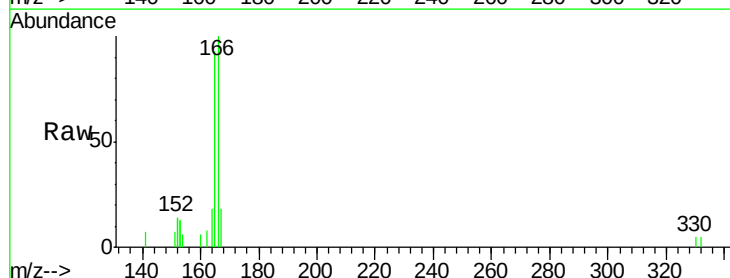
Tgt Ion:166 Resp: 1448

Ion Ratio Lower Upper

166 100

165 89.0 74.7 112.1

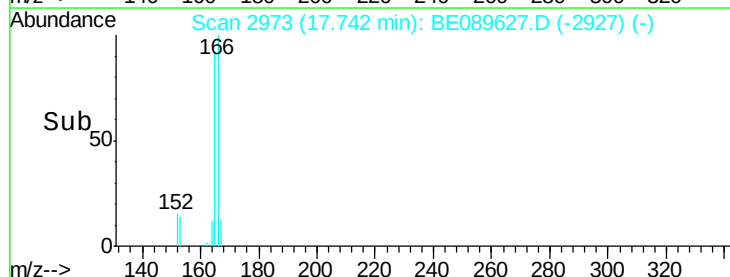
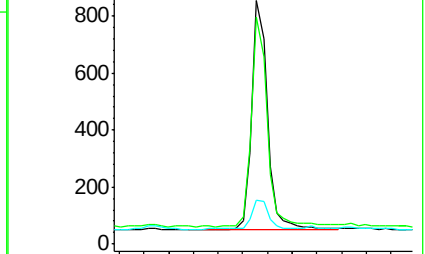
167 13.2 10.5 15.7

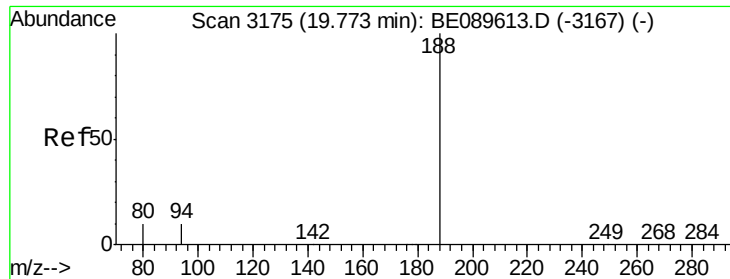


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3177

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

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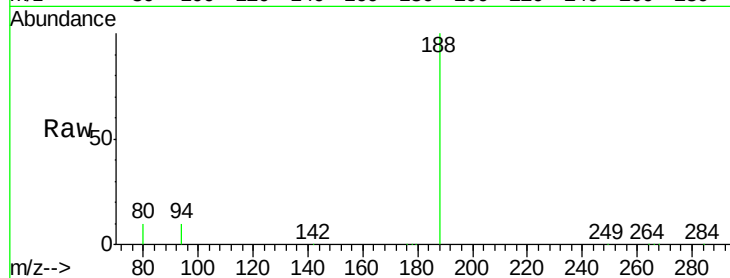
Tgt Ion:188 Resp: 145050

Ion Ratio Lower Upper

188 100

94 9.8 8.2 12.4

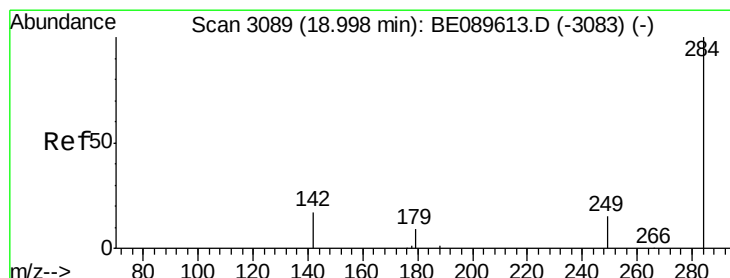
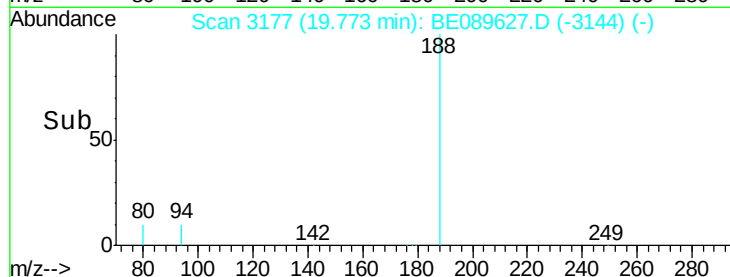
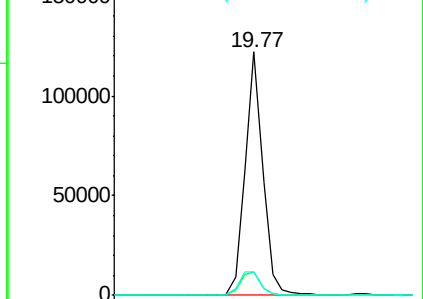
80 9.6 8.1 12.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#14

Hexachlorobenzene

Concen: 0.07 ng

RT: 19.00 min Scan# 3091

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

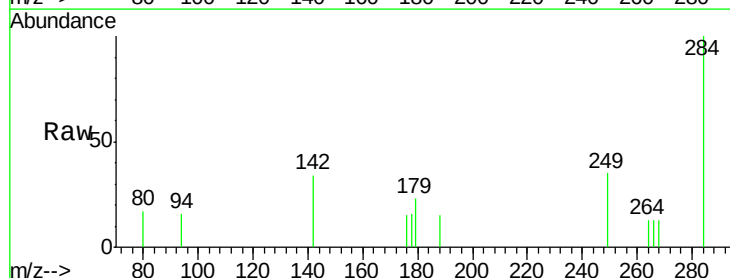
Tgt Ion:284 Resp: 454

Ion Ratio Lower Upper

284 100

142 43.6 32.3 48.5

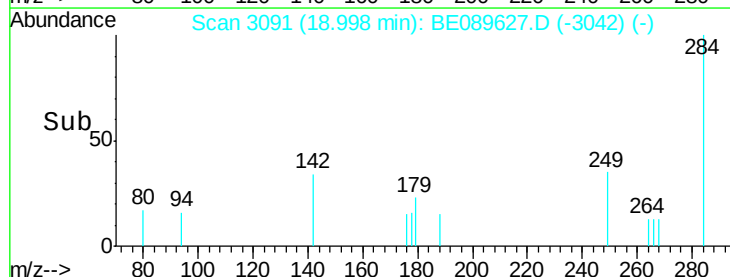
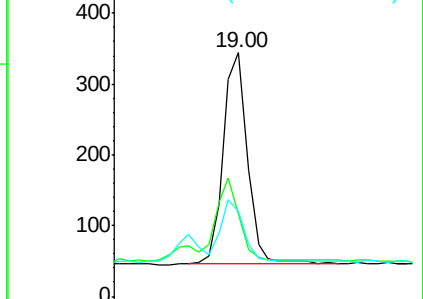
249 27.5 22.3 33.5

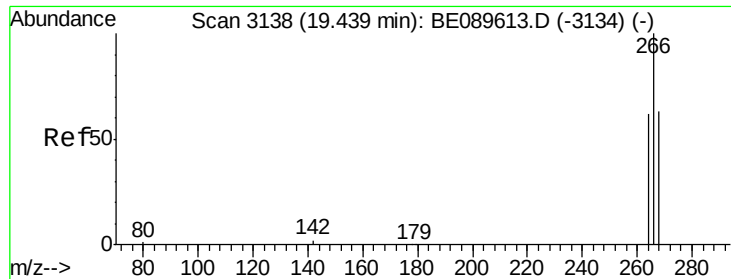


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

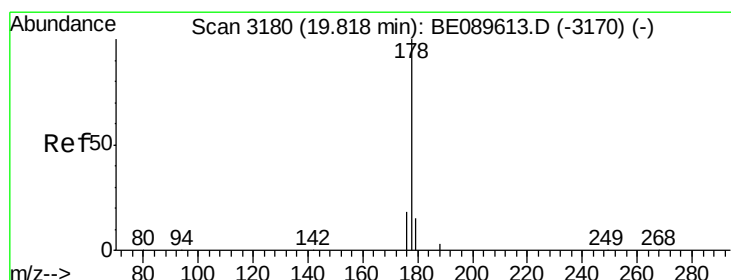
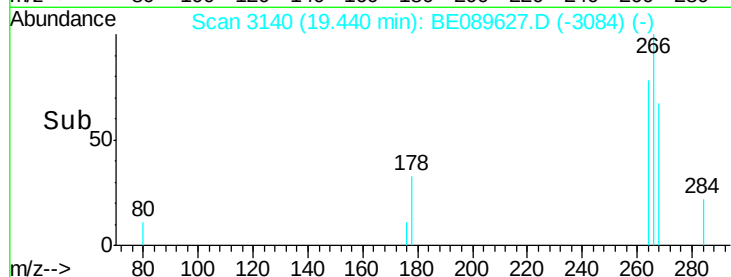
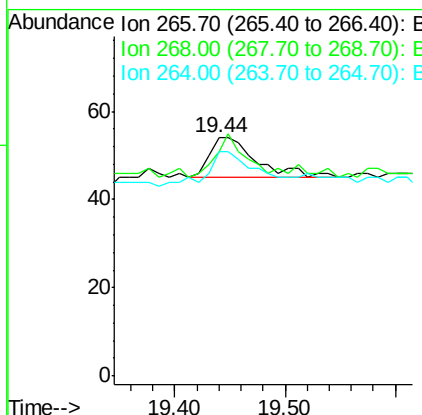
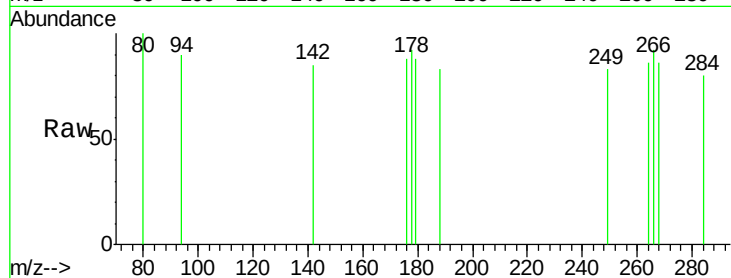




#15
 Pentachlorophenol
 Concen: Below Cal
 RT: 19.44 min Scan# 3140
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

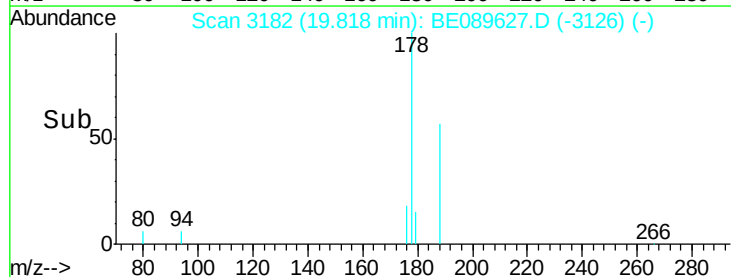
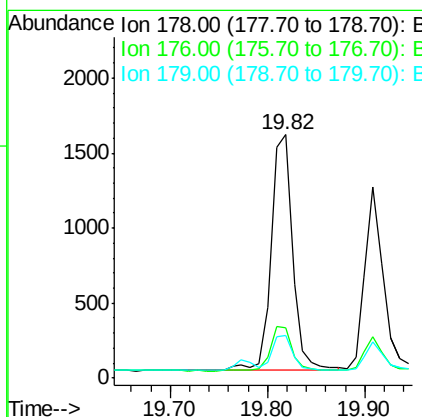
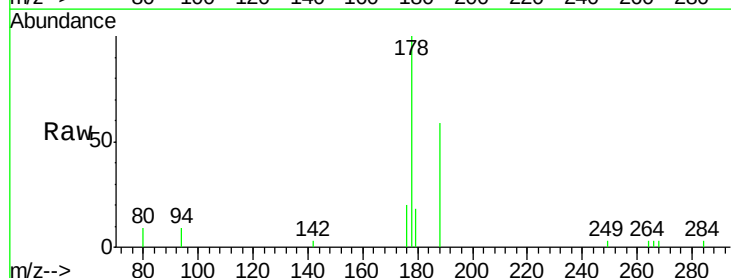
Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W

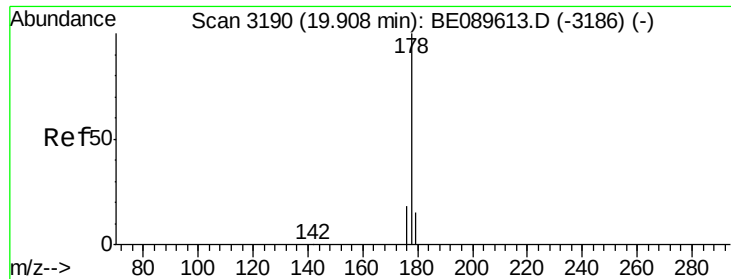
Tgt Ion: 266 Resp: 27
 Ion Ratio Lower Upper
 266 100
 268 94.4 52.6 79.0#
 264 94.4 51.8 77.8#



#16
 Phenanthrene
 Concen: 0.07 ng
 RT: 19.82 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

Tgt Ion: 178 Resp: 2415
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.1 22.7
 179 14.1 12.3 18.5

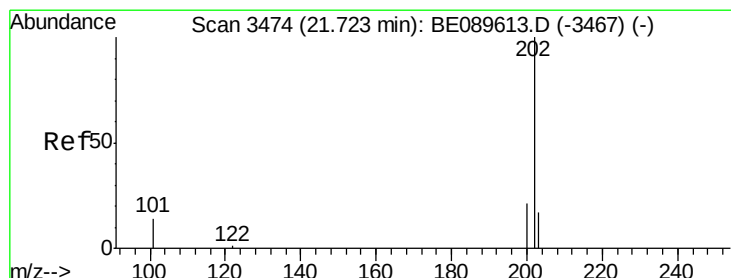
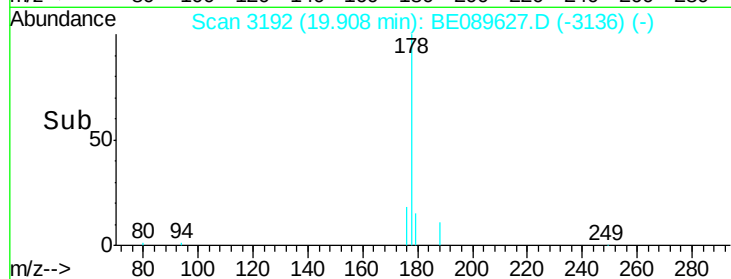
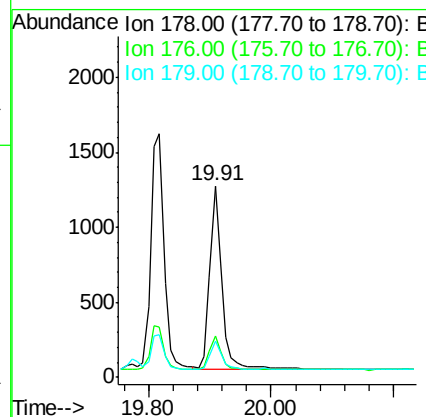
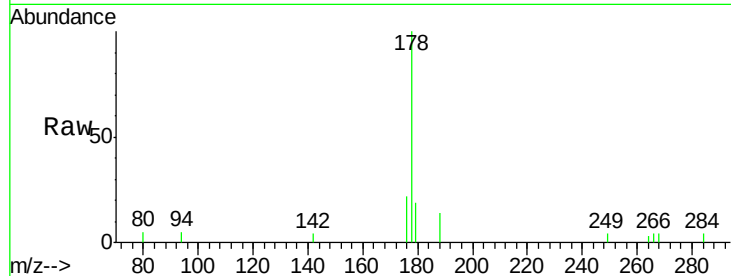




#17
 Anthracene
 Concen: 0.06 ng
 RT: 19.91 min Scan# 3192
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

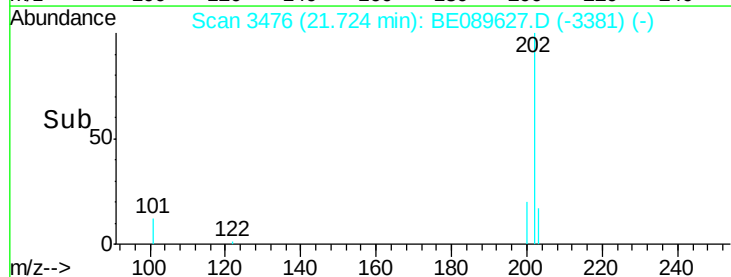
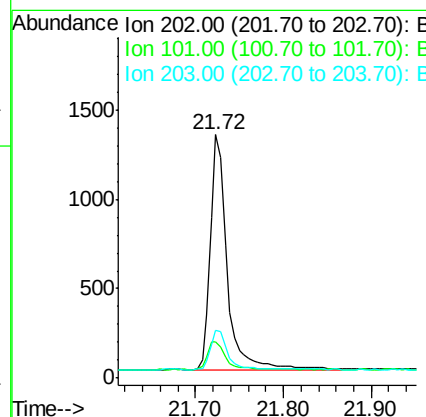
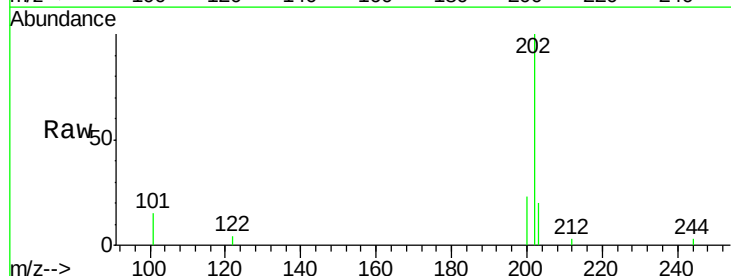
Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W

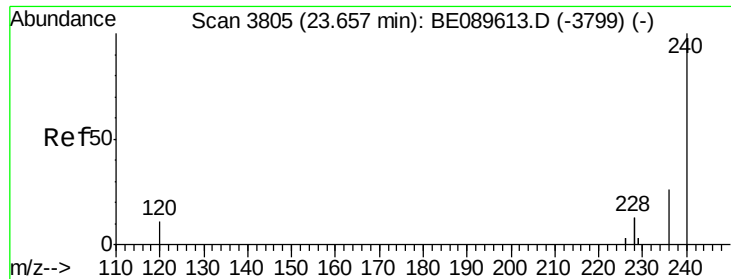
Tgt Ion:178 Resp: 1715
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.6 22.0
 179 14.1 12.3 18.5



#18
 Fluoranthene
 Concen: 0.05 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

Tgt Ion:202 Resp: 1771
 Ion Ratio Lower Upper
 202 100
 101 13.2 10.4 15.6
 203 16.8 13.9 20.9





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3807

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

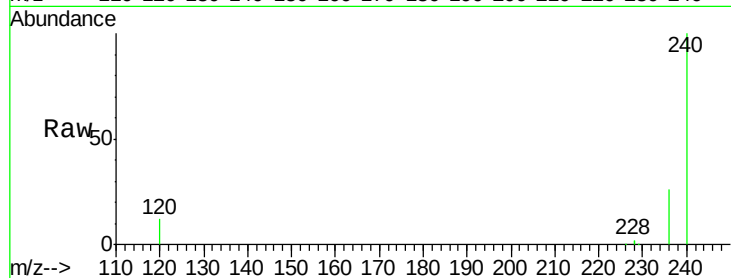
Tgt Ion:240 Resp: 130871

Ion Ratio Lower Upper

240 100

120 12.1 9.0 13.4

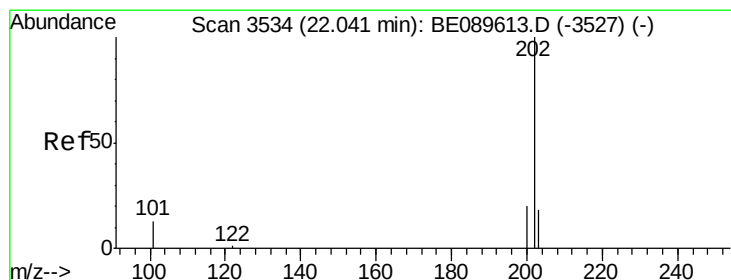
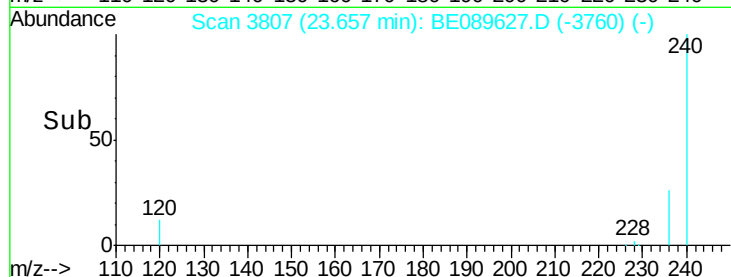
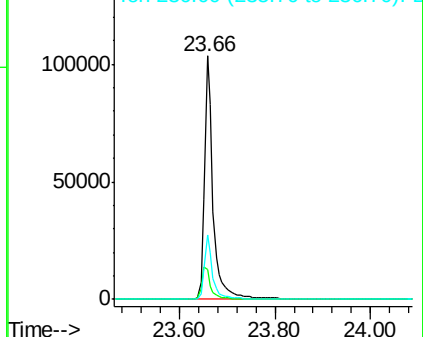
236 26.3 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.06 ng

RT: 22.04 min Scan# 3536

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

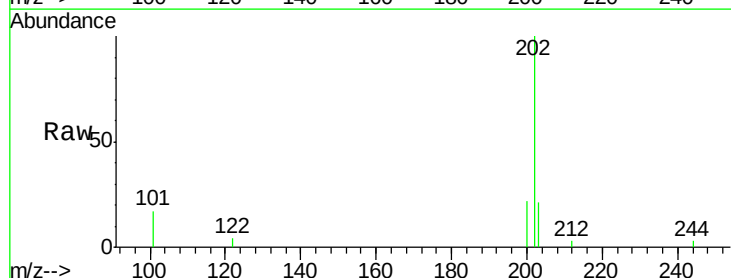
Tgt Ion:202 Resp: 1861

Ion Ratio Lower Upper

202 100

200 20.7 16.3 24.5

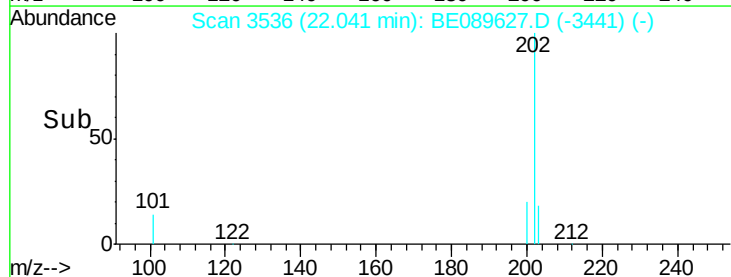
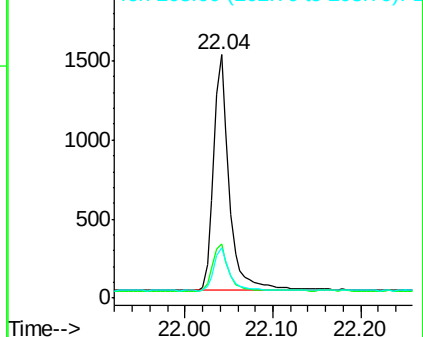
203 17.8 13.8 20.8

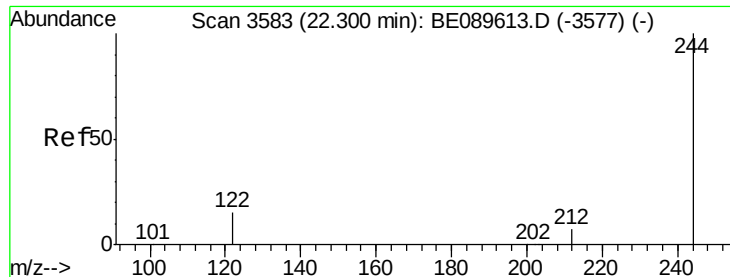


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 11.25 ng

RT: 22.30 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampled :

MDL-07-W

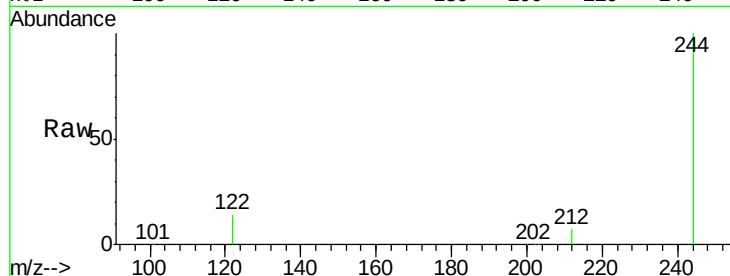
Tgt Ion:244 Resp: 211784

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

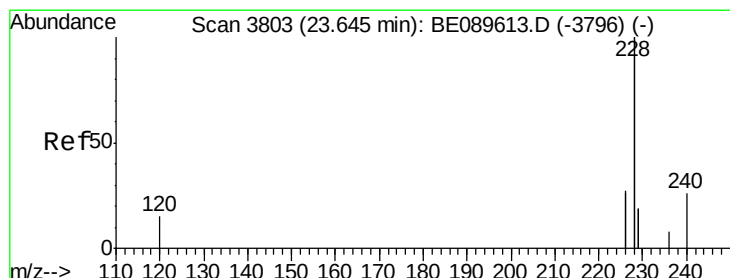
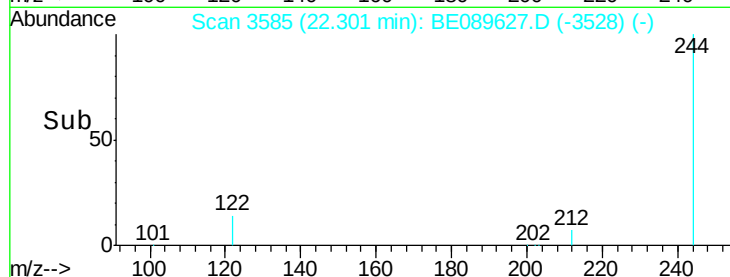
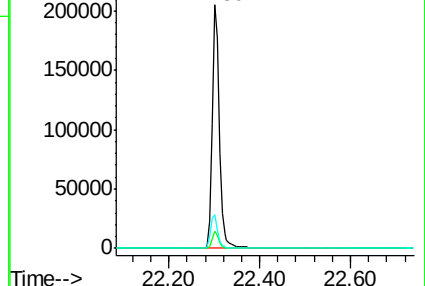
122 13.7 11.8 17.8



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#22

Benzo(a)anthracene

Concen: 0.09 ng

RT: 23.69 min Scan# 3812

Delta R.T. 0.04 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

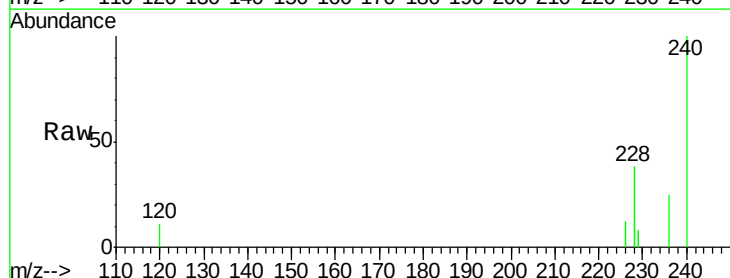
Tgt Ion:228 Resp: 10124

Ion Ratio Lower Upper

228 100

226 31.0 21.2 31.8

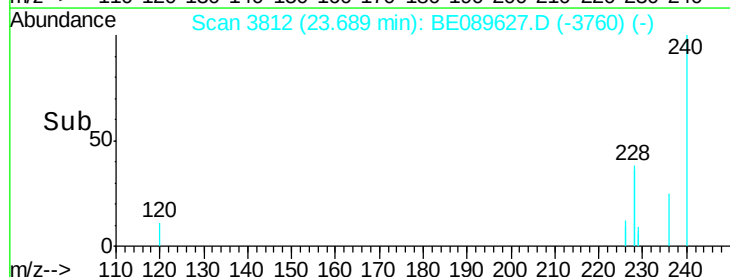
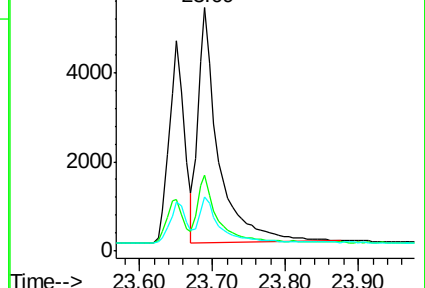
229 22.3 15.2 22.8

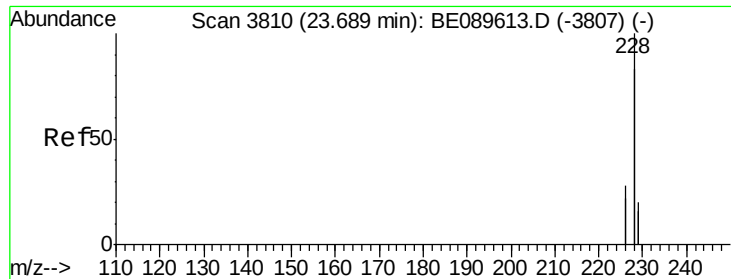


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.08 ng

RT: 23.69 min Scan# 3812

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

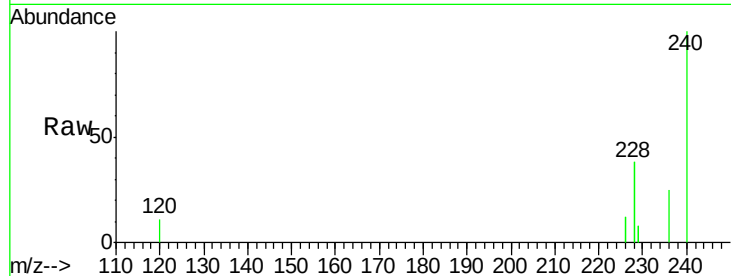
Tgt Ion:228 Resp: 10124

Ion Ratio Lower Upper

228 100

226 31.0 22.2 33.4

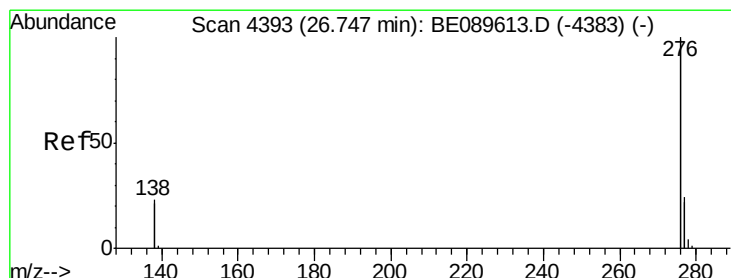
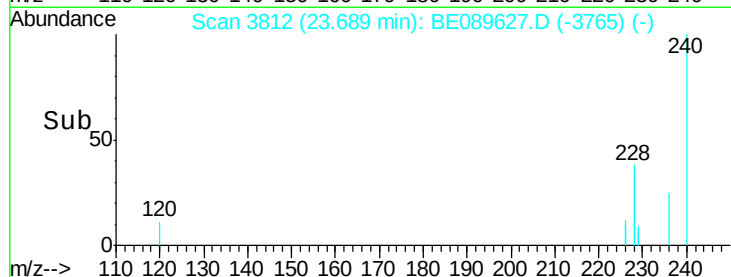
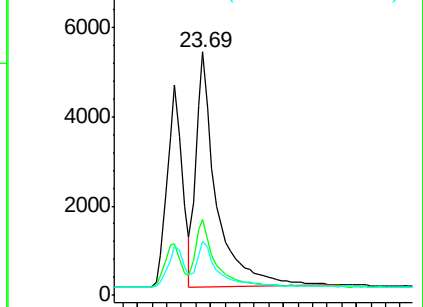
229 22.3 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng

RT: 26.74 min Scan# 4394

Delta R.T. -0.01 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

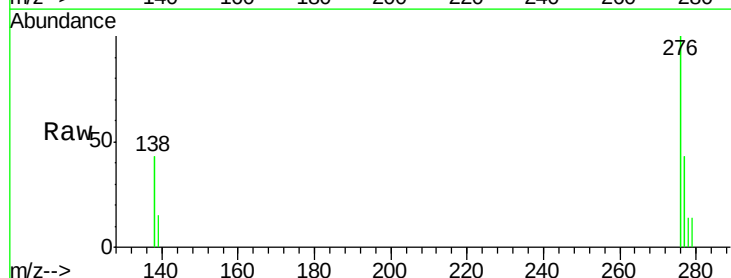
Tgt Ion:276 Resp: 1916

Ion Ratio Lower Upper

276 100

138 22.7 21.4 32.2

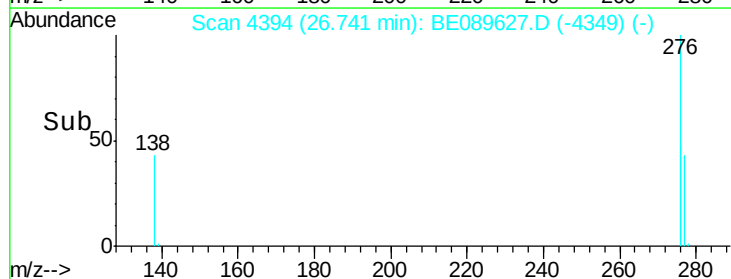
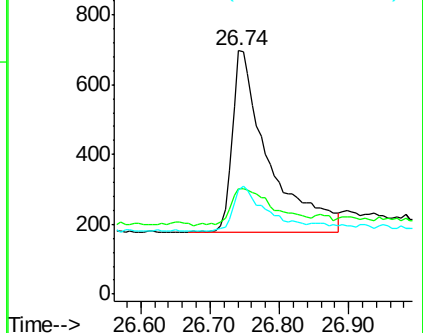
277 22.7 19.9 29.9

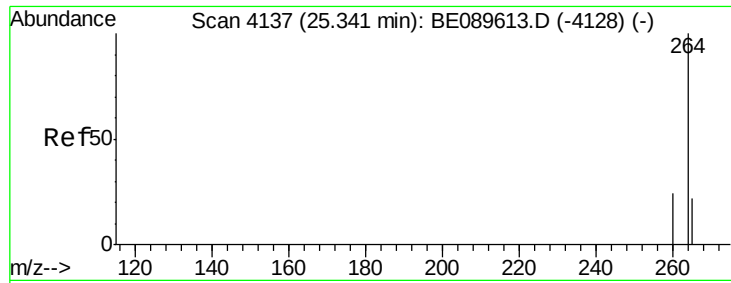


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

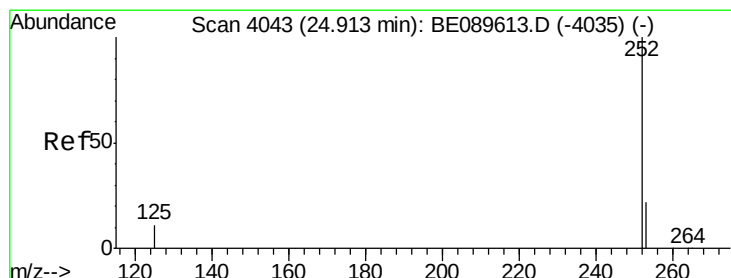
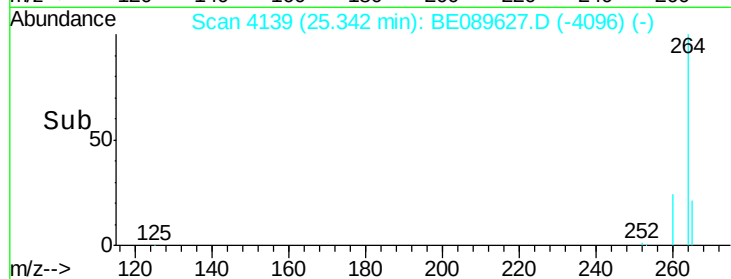
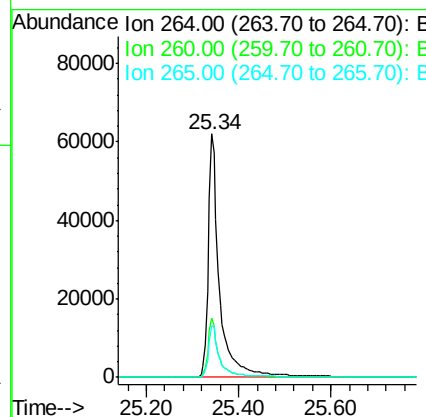
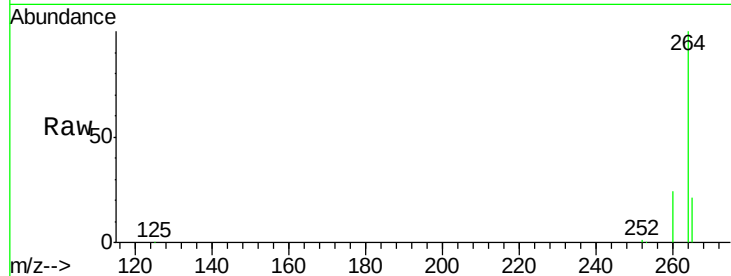




#25
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.34 min Scan# 4139
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

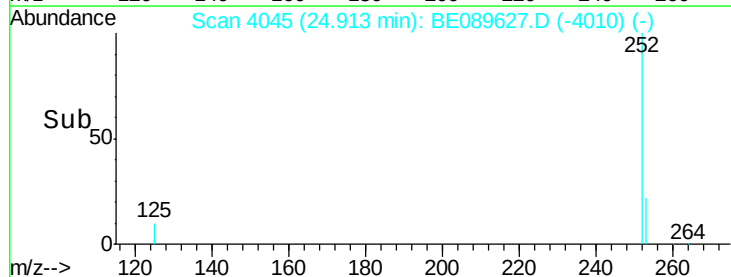
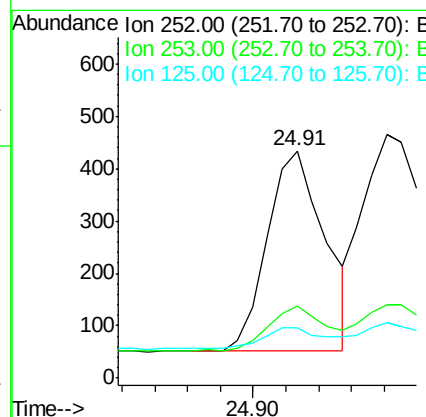
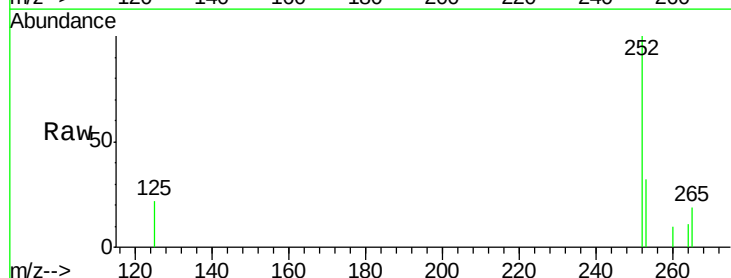
Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-W

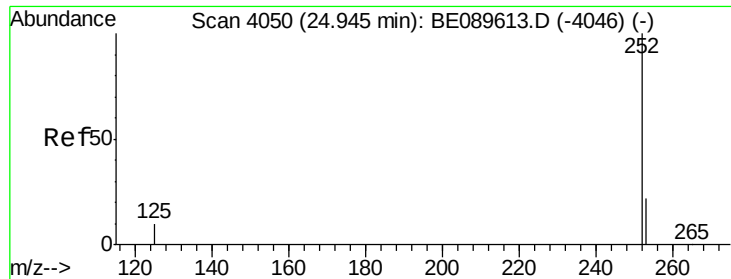
Tgt Ion: 264 Resp: 104292
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.0 28.6
 265 21.2 17.4 26.0



#26
 Benzo(b)fluoranthene
 Concen: 0.29 ng
 RT: 24.91 min Scan# 4045
 Delta R.T. 0.00 min
 Lab File: BE089627.D
 Acq: 18 Feb 2015 20:51

Tgt Ion: 252 Resp: 470
 Ion Ratio Lower Upper
 252 100
 253 31.6 17.6 26.4#
 125 22.1 8.8 13.2#





#27

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 24.94 min Scan# 4051

Delta R.T. -0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

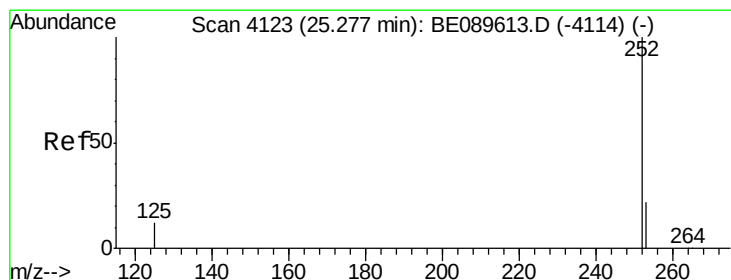
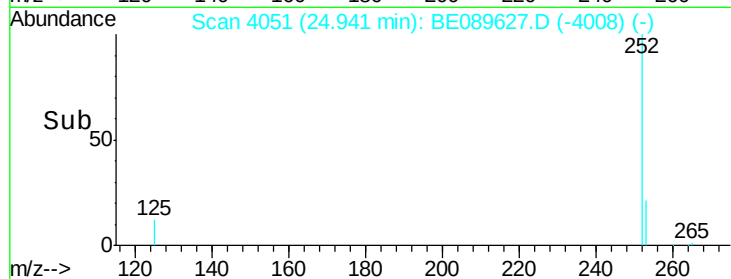
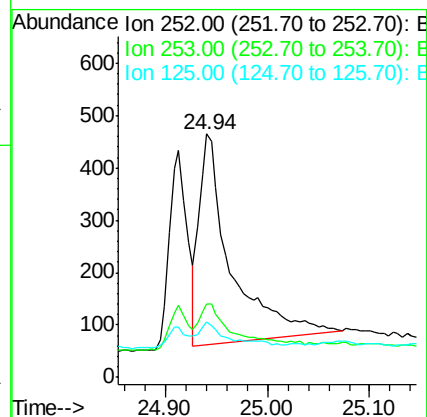
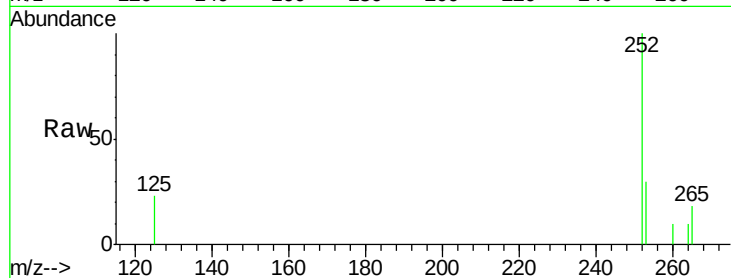
Tgt Ion:252 Resp: 872

Ion Ratio Lower Upper

252 100

253 30.3 17.7 26.5#

125 22.6 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: BE089627.D

Acq: 18 Feb 2015 20:51

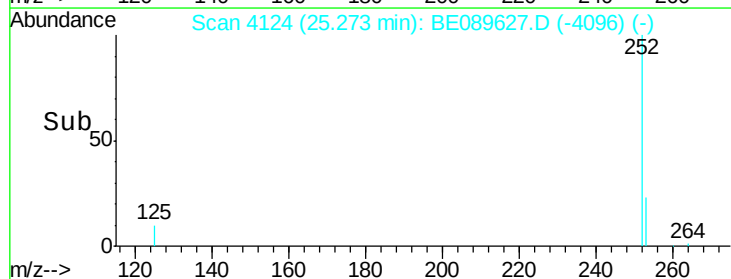
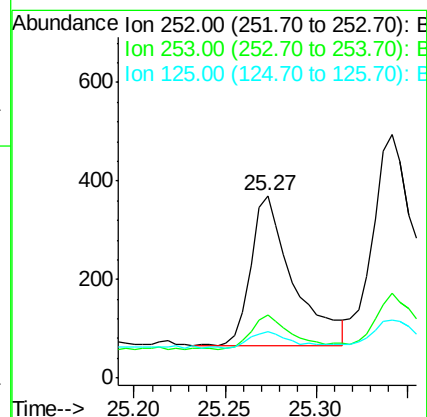
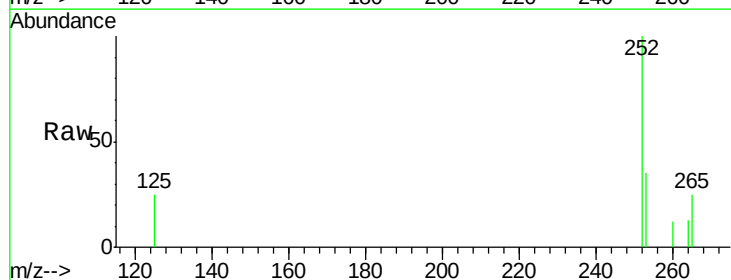
Tgt Ion:252 Resp: 493

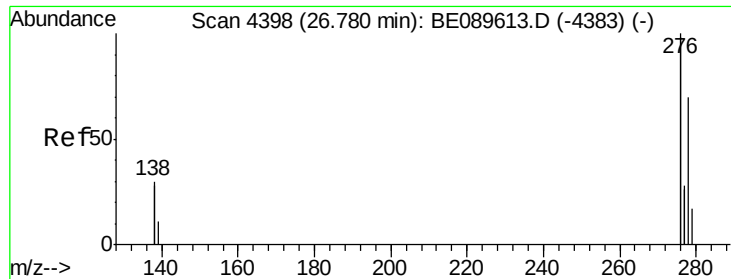
Ion Ratio Lower Upper

252 100

253 34.6 18.1 27.1#

125 25.1 9.6 14.4#





#29

Dibenzo(a,h)anthracene

Concen: 0.24 ng

RT: 26.78 min Scan# 4400

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

Instrument :

BNA_E

ClientSampleId :

MDL-07-W

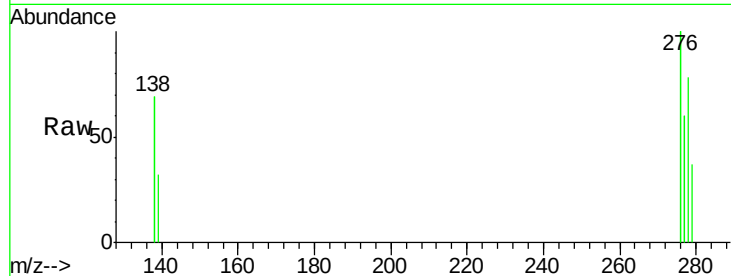
Tgt Ion: 278 Resp: 320

Ion Ratio Lower Upper

278 100

139 41.7 13.7 20.5#

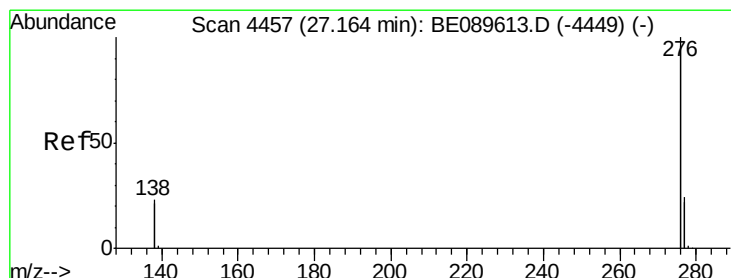
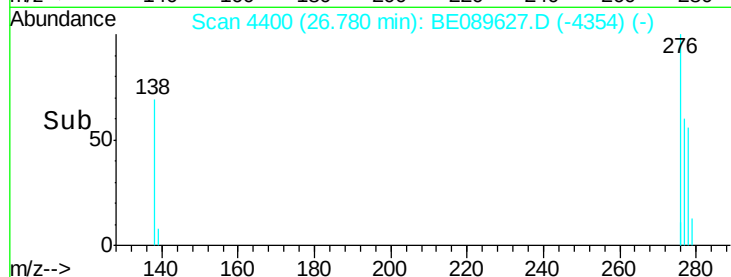
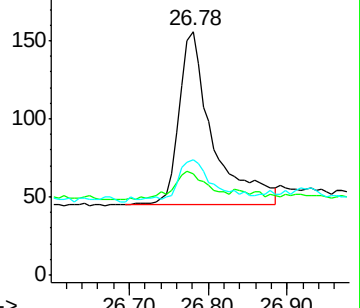
279 47.4 19.7 29.5#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#30

Benzo(g,h,i)perylene

Concen: 0.16 ng

RT: 27.16 min Scan# 4459

Delta R.T. 0.00 min

Lab File: BE089627.D

Acq: 18 Feb 2015 20:51

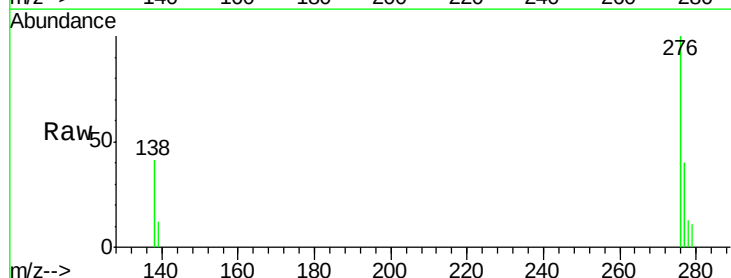
Tgt Ion: 276 Resp: 2803

Ion Ratio Lower Upper

276 100

277 40.4 19.1 28.7#

138 40.6 18.7 28.1#



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

