

Data Path : Z:\HPCHEM1\BNA_E\Data\BE021815\
 Data File : BE089632.D
 Acq On : 19 Feb 2015 00:53
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Quant Time: Feb 19 05:13:58 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

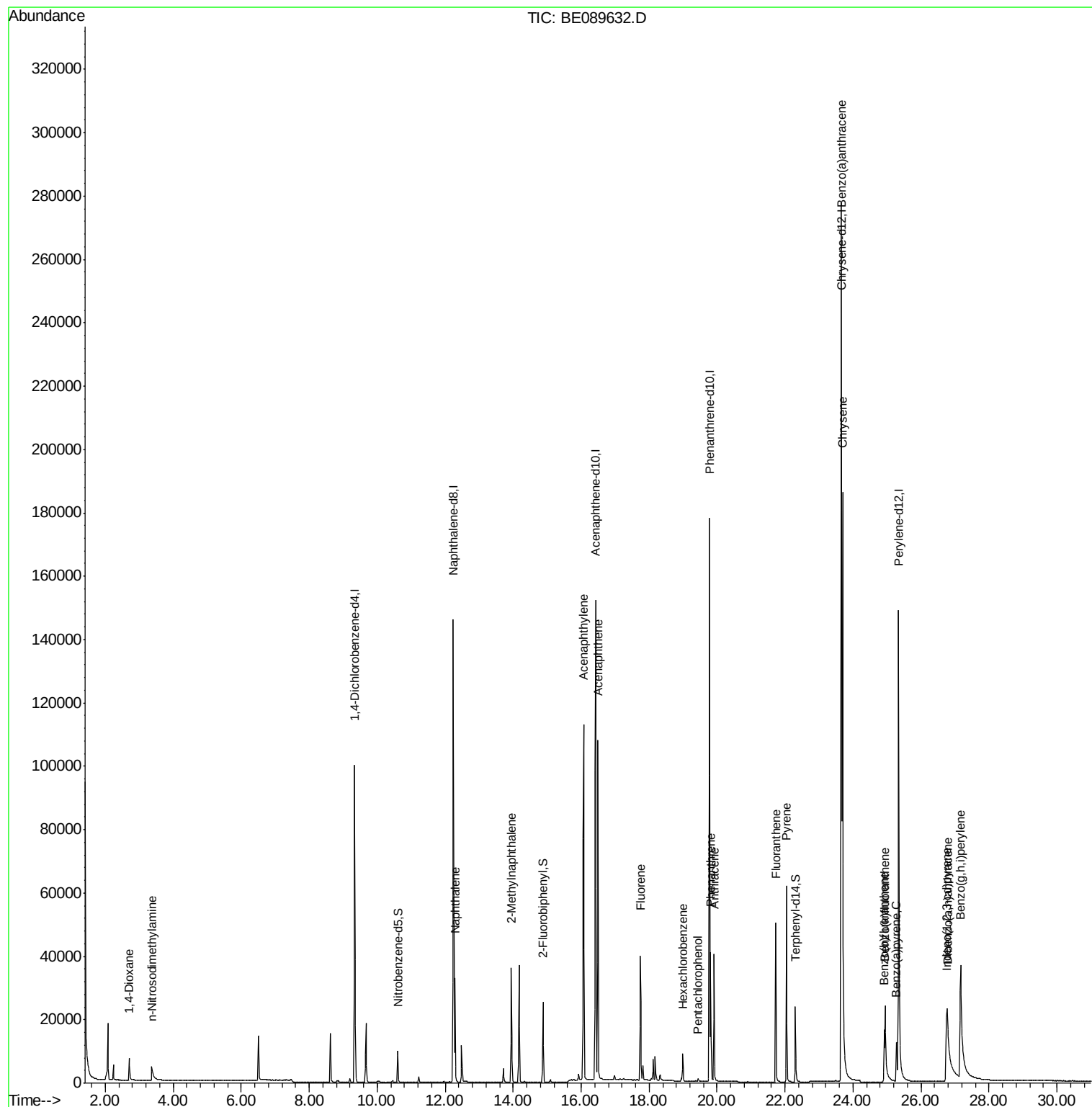
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	45391	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	180511	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	89373	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	174607	5.00	ng	0.00
19) Chrysene-d12	23.66	240	178724	5.00	ng	0.00
25) Perylene-d12	25.34	264	151450	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	7365	0.94	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	24137	1.01	ng	0.00
21) Terphenyl-d14	22.30	244	25630	1.00	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.70	88	5579	1.01	ng	97
3) n-Nitrosodimethylamine	3.36	42	5300	1.00	ng	# 99
6) Naphthalene	12.29	128	40692	1.00	ng	99
7) 2-Methylnaphthalene	13.95	142	24975	1.00	ng	99
10) Acenaphthylene	16.07	152	145307	1.00	ng	100
11) Acenaphthene	16.49	154	23209	0.99	ng	99
12) Fluorene	17.74	166	26983	1.00	ng	99
14) Hexachlorobenzene	19.00	284	7729	1.03	ng	97
15) Pentachlorophenol	19.44	266	808	0.78	ng	99
16) Phenanthrene	19.82	178	42765	1.00	ng	100
17) Anthracene	19.91	178	37021	1.01	ng	99
18) Fluoranthene	21.73	202	41352	1.01	ng	100
20) Pyrene	22.04	202	45049	1.02	ng	100
22) Benzo(a)anthracene	23.65	228	142685	0.90	ng	97
23) Chrysene	23.69	228	183253	1.04	ng	99
24) Indeno(1,2,3-cd)pyrene	26.74	276	91411	0.73	ng	# 73
26) Benzo(b)fluoranthene	24.91	252	16164	0.70	ng	99
27) Benzo(k)fluoranthene	24.95	252	45849	1.06	ng	100
28) Benzo(a)pyrene	25.27	252	18458	0.76	ng	98
29) Dibenzo(a,h)anthracene	26.77	278	16838	0.72	ng	98
30) Benzo(g,h,i)perylene	27.17	276	99243	0.85	ng	99

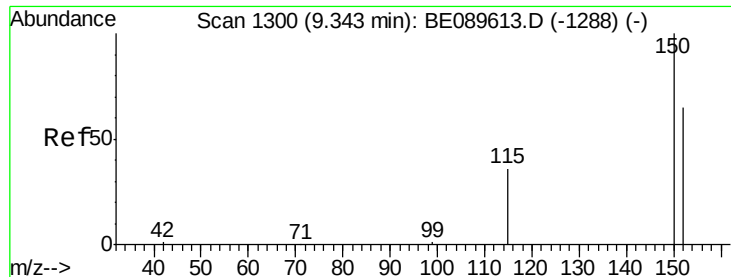
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1299

Delta R.T. -0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

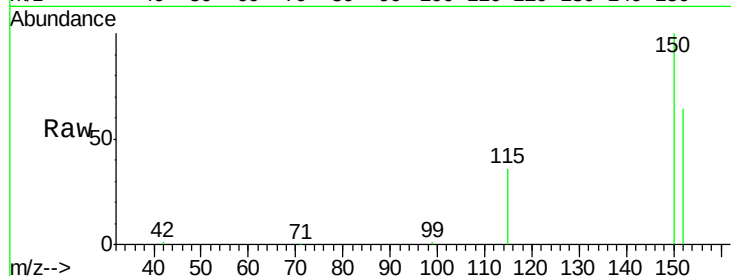
Tgt Ion:152 Resp: 45391

Ion Ratio Lower Upper

152 100

150 157.3 122.4 183.6

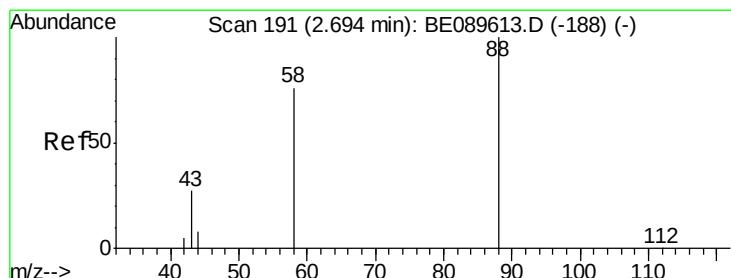
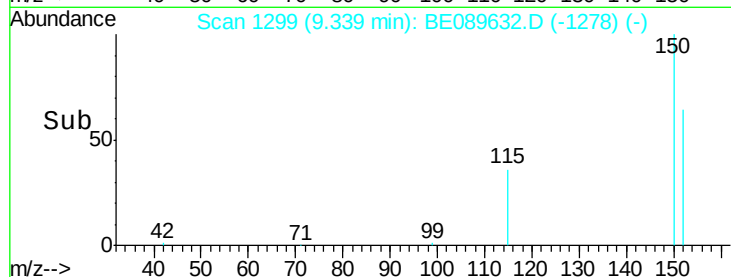
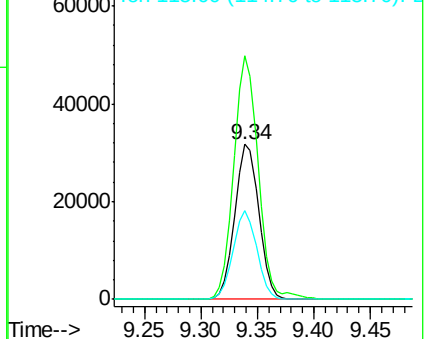
115 57.0 44.2 66.2



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: 1.01 ng

RT: 2.70 min Scan# 192

Delta R.T. 0.01 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

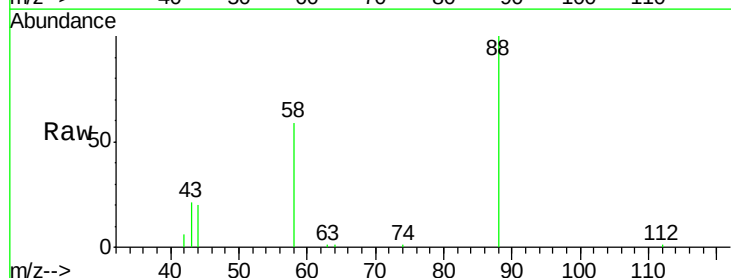
Tgt Ion: 88 Resp: 5579

Ion Ratio Lower Upper

88 100

58 65.6 54.6 81.8

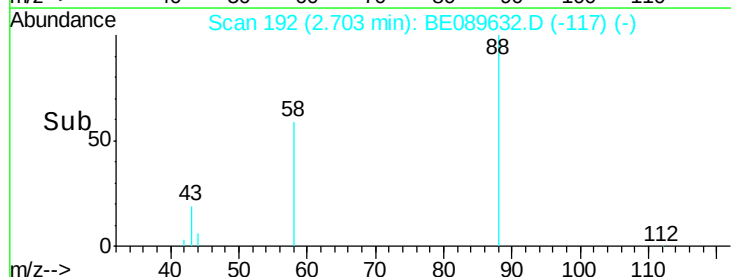
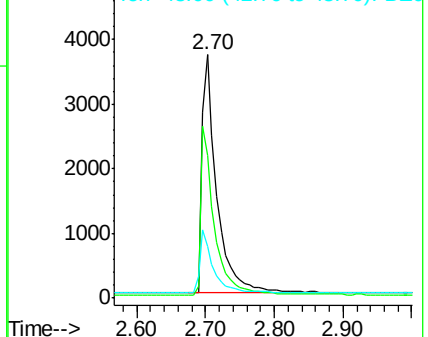
43 23.9 20.6 30.8

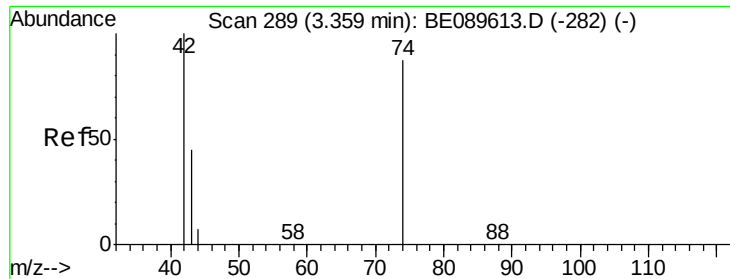


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 1.00 ng

RT: 3.36 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

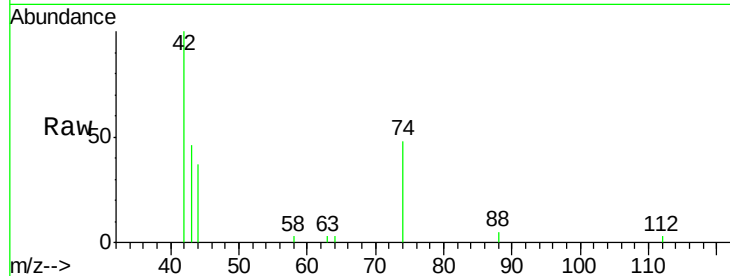
Tgt Ion: 42 Resp: 5300

Ion Ratio Lower Upper

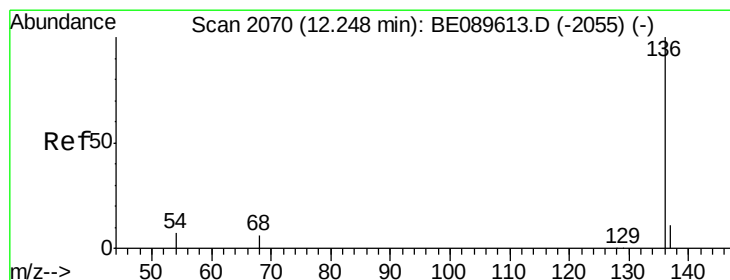
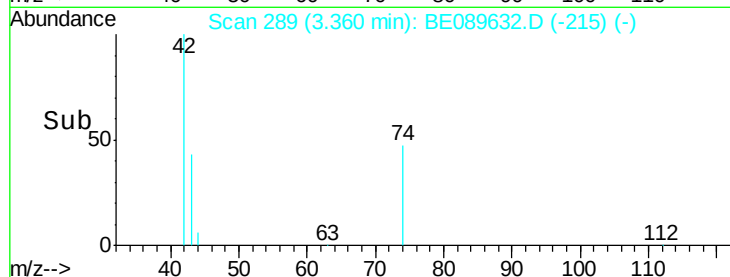
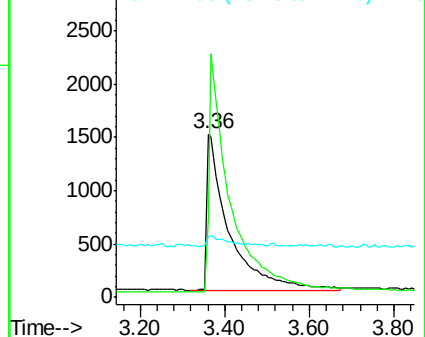
42 100

74 151.0 121.4 182.0

44 6.8 4.5 6.7#



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



#4

Naphthalene-d8

Concen: 5.00 ng

RT: 12.25 min Scan# 2070

Delta R.T. -0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

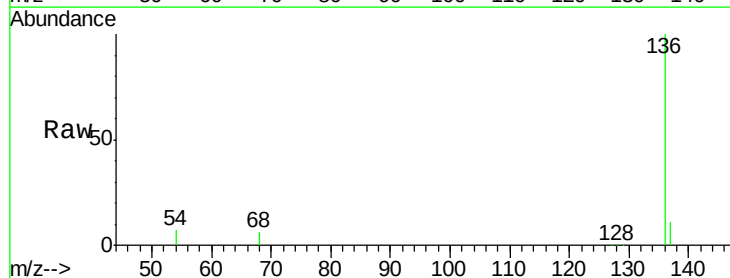
Tgt Ion: 136 Resp: 180511

Ion Ratio Lower Upper

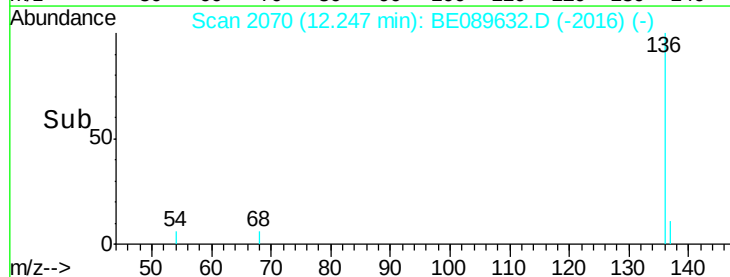
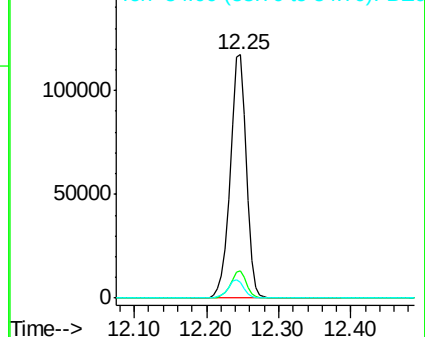
136 100

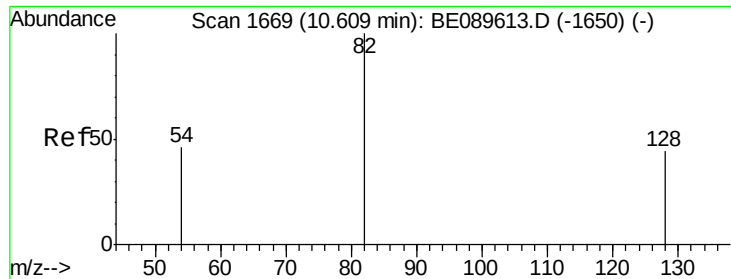
137 11.1 8.9 13.3

54 6.5 5.3 7.9



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: 0.94 ng

RT: 10.61 min Scan# 1668

Delta R.T. -0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

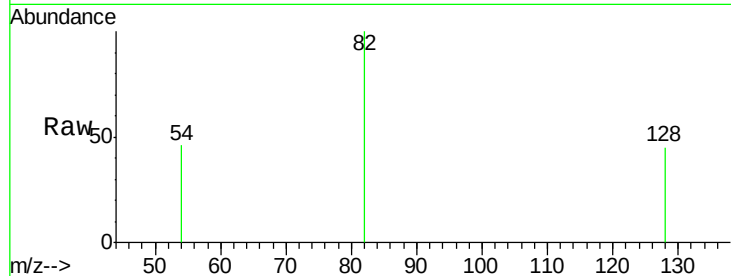
Tgt Ion: 82 Resp: 7365

Ion Ratio Lower Upper

82 100

128 45.0 35.5 53.3

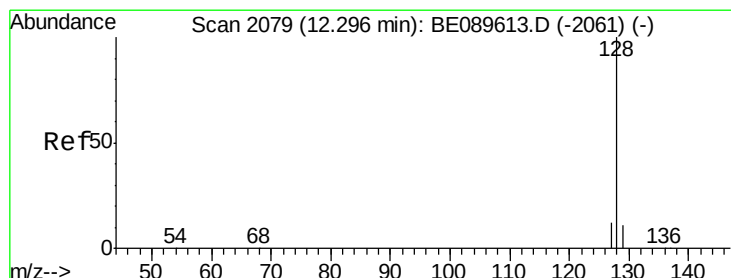
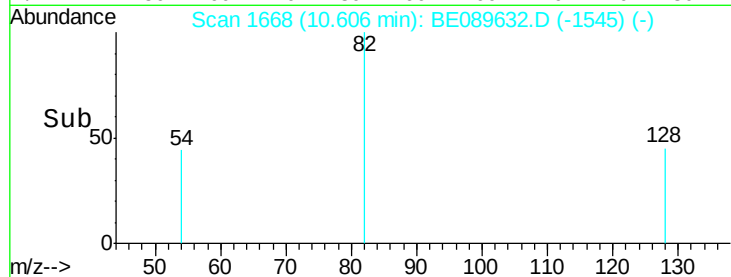
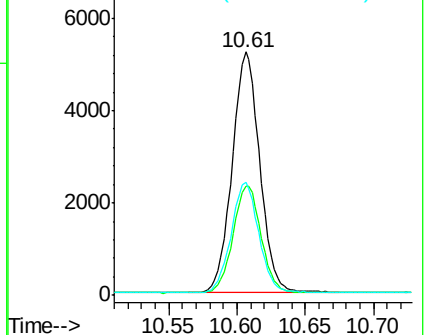
54 46.3 37.5 56.3



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: 1.00 ng

RT: 12.29 min Scan# 2078

Delta R.T. -0.01 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

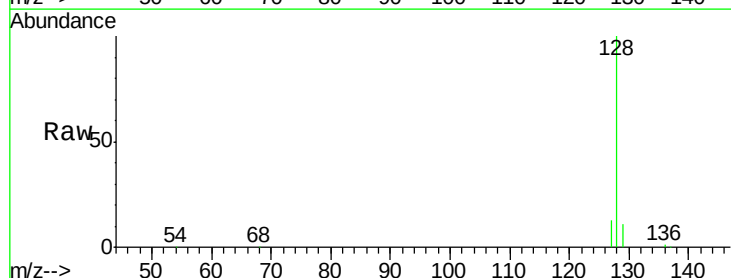
Tgt Ion: 128 Resp: 40692

Ion Ratio Lower Upper

128 100

129 10.9 8.9 13.3

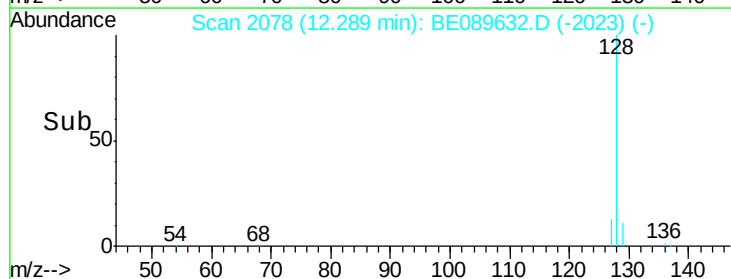
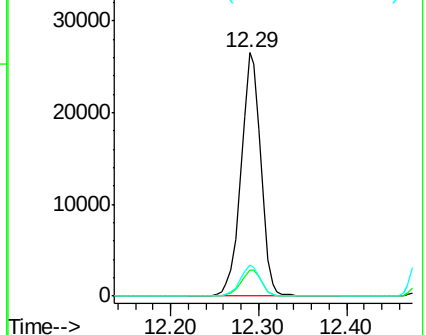
127 12.7 9.8 14.8

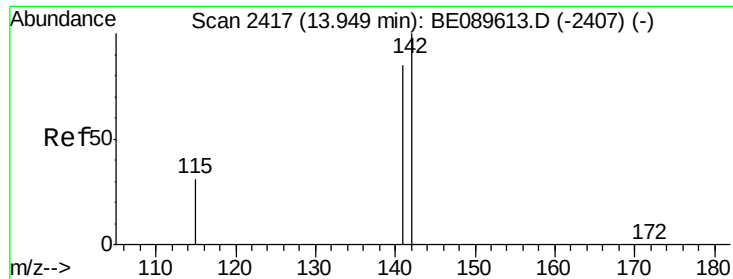


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 1.00 ng

RT: 13.95 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

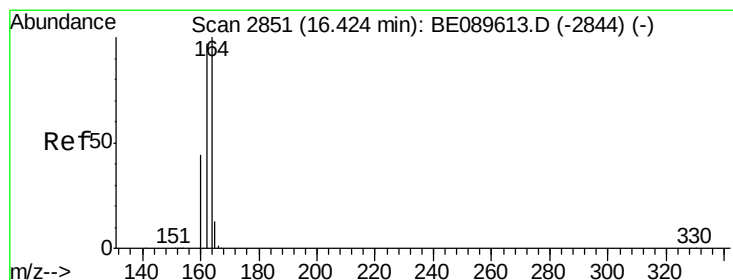
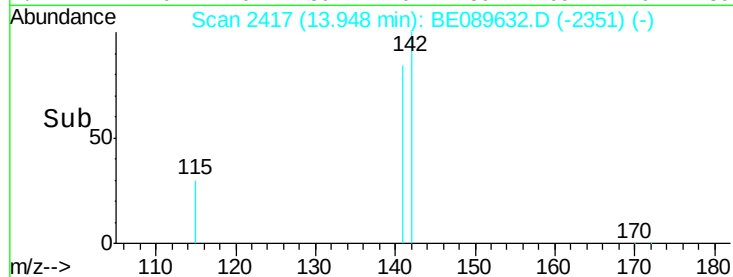
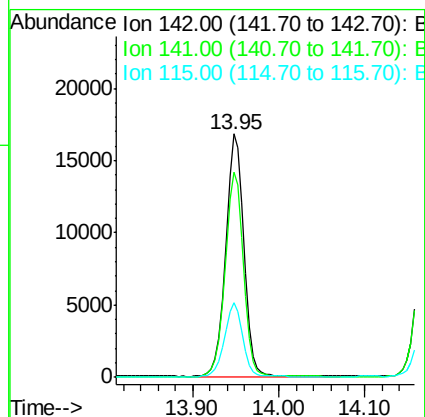
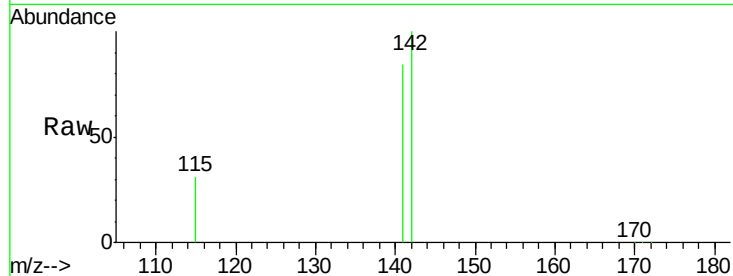
Tgt Ion:142 Resp: 24975

Ion Ratio Lower Upper

142 100

141 84.2 68.3 102.5

115 30.7 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: BE089632.D

Acq: 19 Feb 2015 00:53

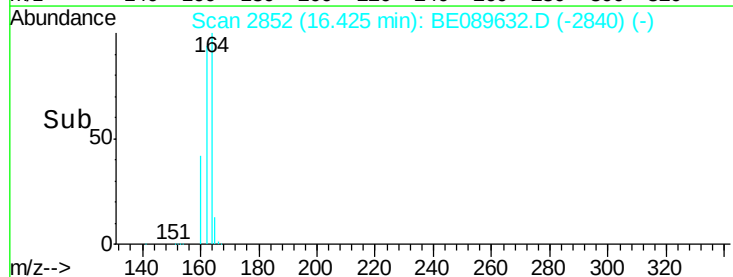
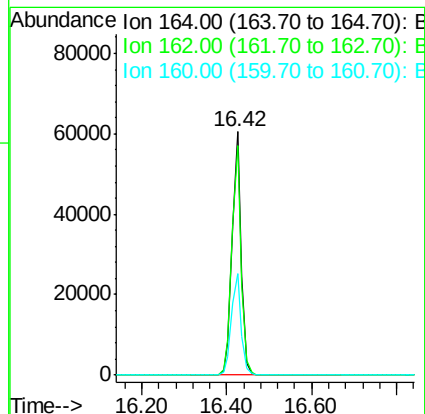
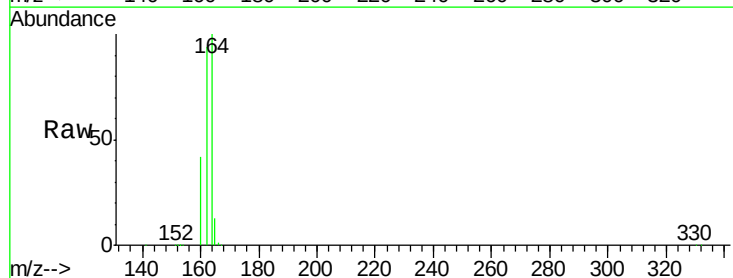
Tgt Ion:164 Resp: 89373

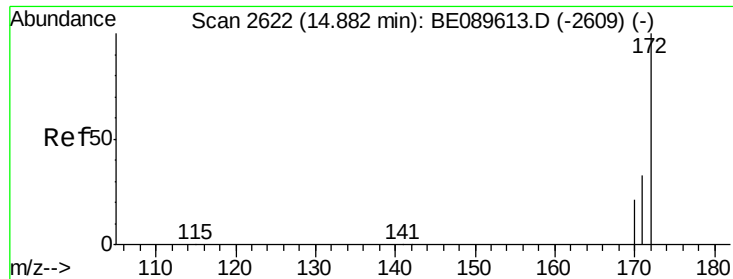
Ion Ratio Lower Upper

164 100

162 94.1 77.5 116.3

160 41.7 35.5 53.3

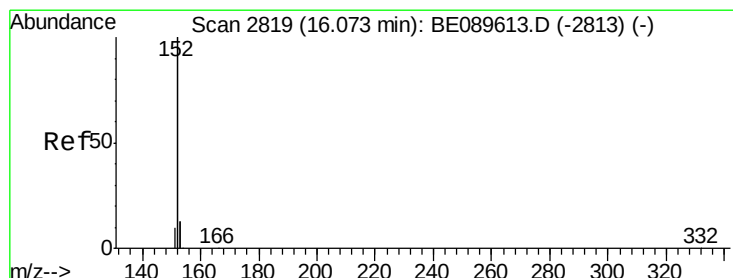
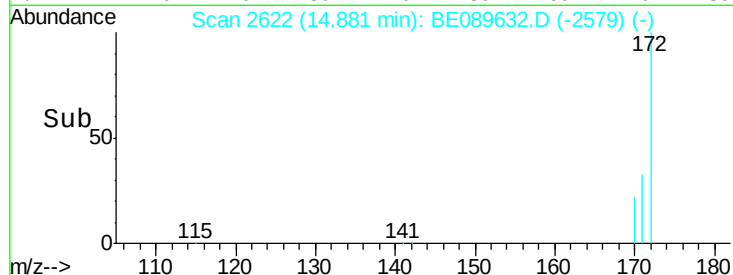
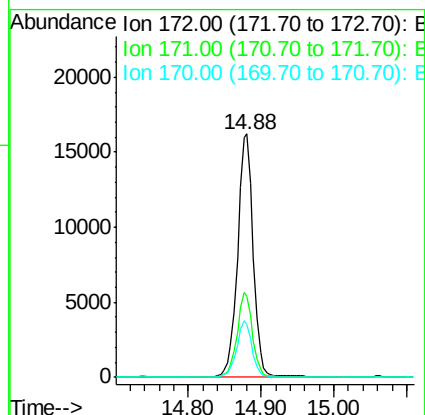
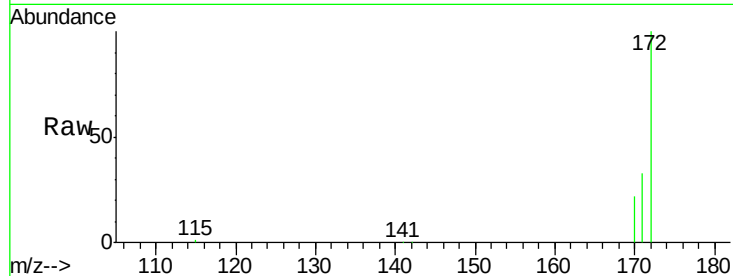




#9
 2-Fluorobiphenyl
 Concen: 1.01 ng
 RT: 14.88 min Scan# 2622
 Delta R.T. -0.00 min
 Lab File: BE089632.D
 Acq: 19 Feb 2015 00:53

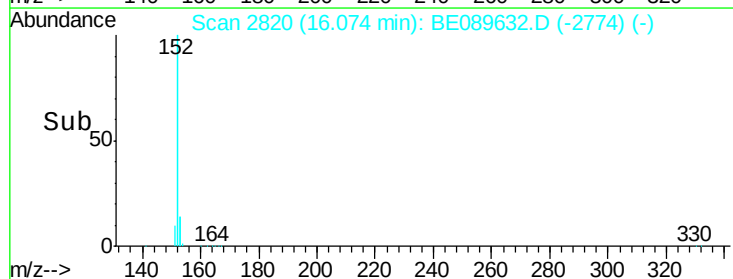
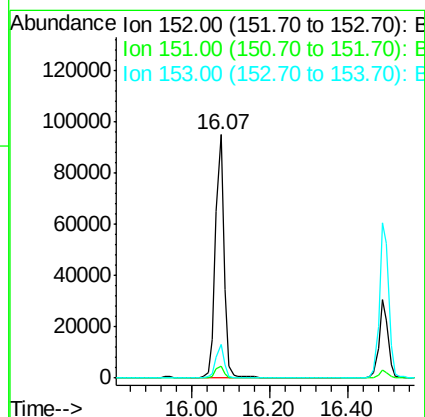
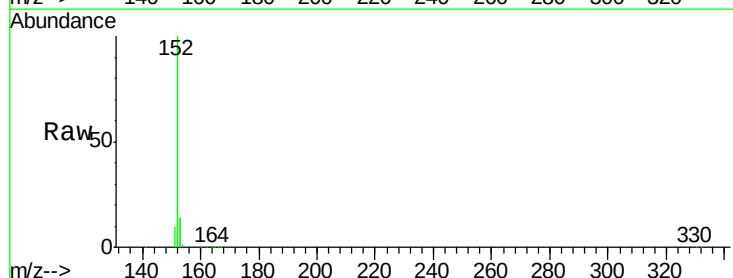
Instrument :
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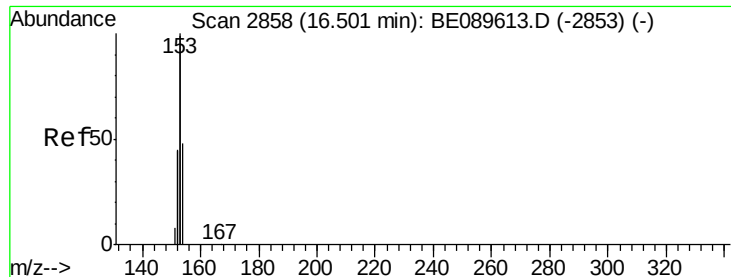
Tgt Ion:172 Resp: 24137
 Ion Ratio Lower Upper
 172 100
 171 33.3 26.9 40.3
 170 22.0 17.4 26.0



#10
 Acenaphthylene
 Concen: 1.00 ng
 RT: 16.07 min Scan# 2820
 Delta R.T. 0.00 min
 Lab File: BE089632.D
 Acq: 19 Feb 2015 00:53

Tgt Ion:152 Resp: 145307
 Ion Ratio Lower Upper
 152 100
 151 4.9 3.9 5.9
 153 13.1 10.5 15.7





#11

Acenaphthene

Concen: 0.99 ng

RT: 16.49 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

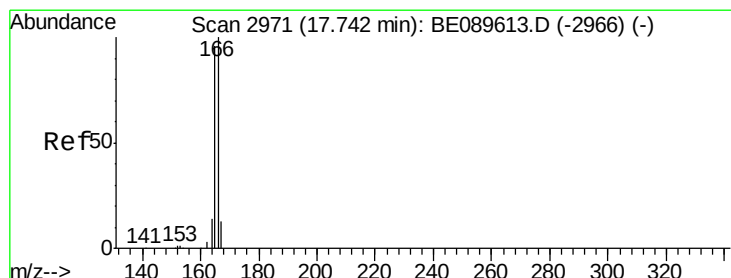
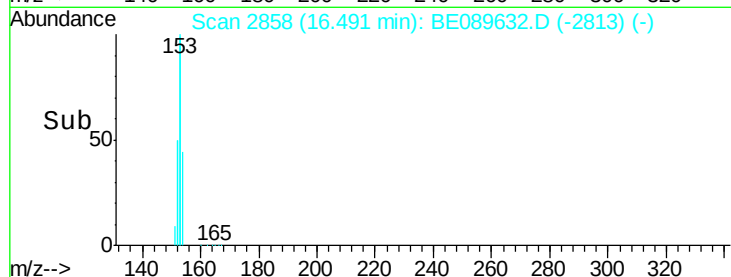
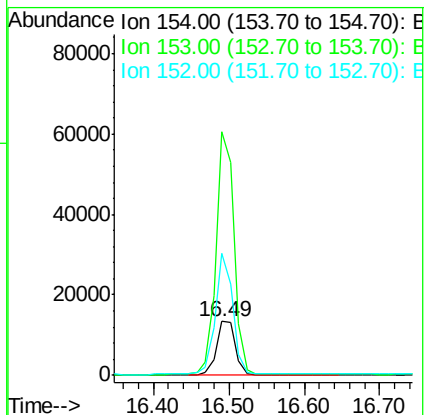
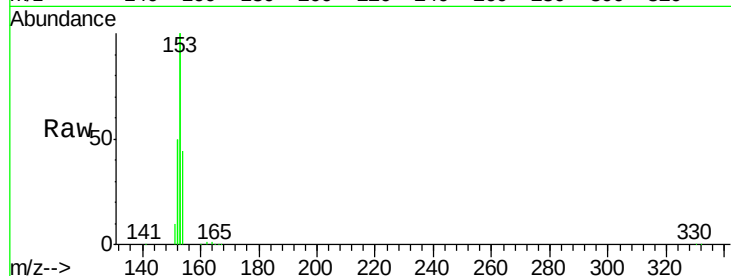
Tgt Ion:154 Resp: 23209

Ion Ratio Lower Upper

154 100

153 432.2 348.9 523.3

152 206.8 166.6 249.8



#12

Fluorene

Concen: 1.00 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

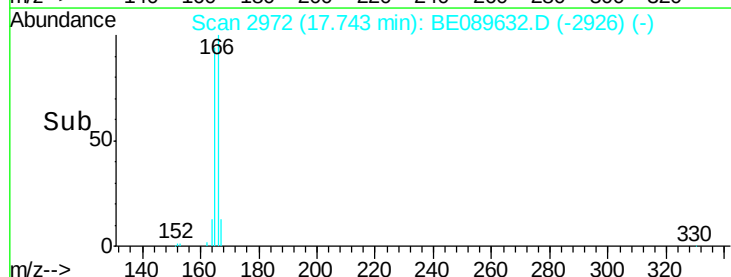
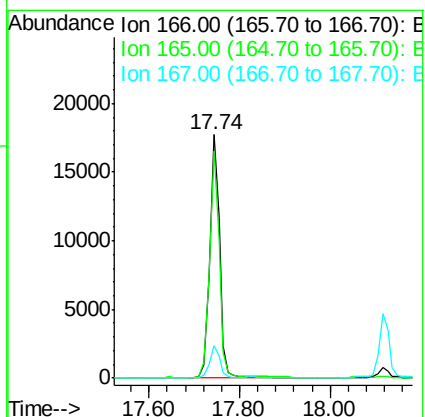
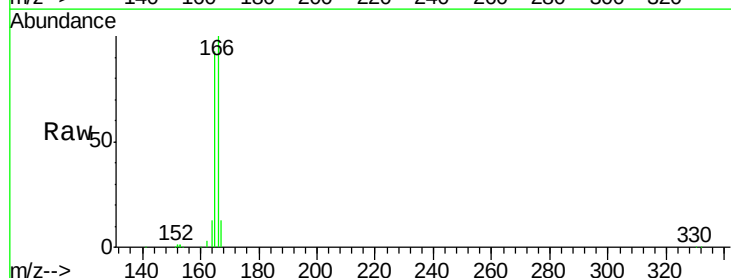
Tgt Ion:166 Resp: 26983

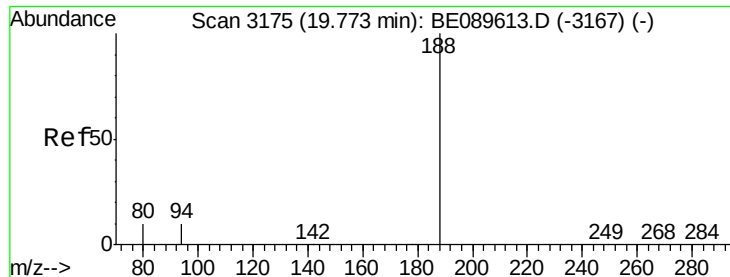
Ion Ratio Lower Upper

166 100

165 92.0 74.7 112.1

167 13.1 10.5 15.7

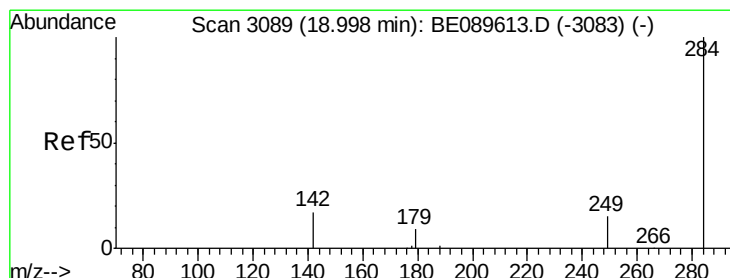
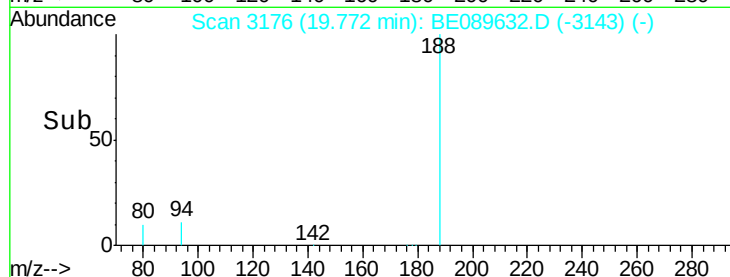
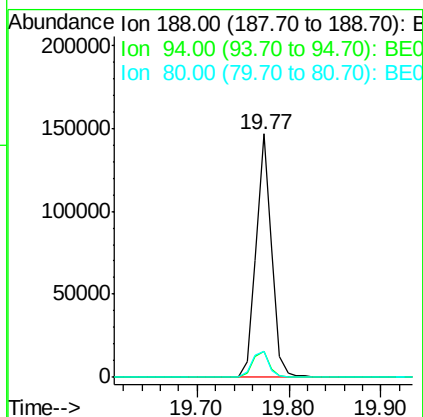
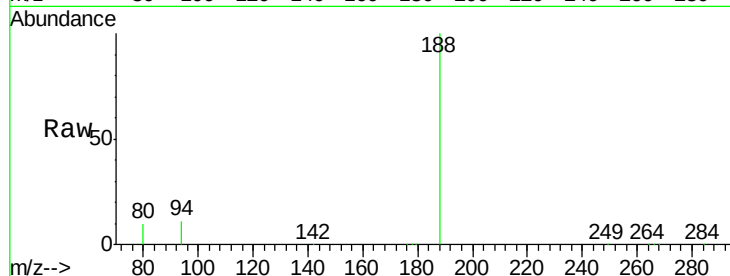




#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BE089632.D
Acq: 19 Feb 2015 00:53

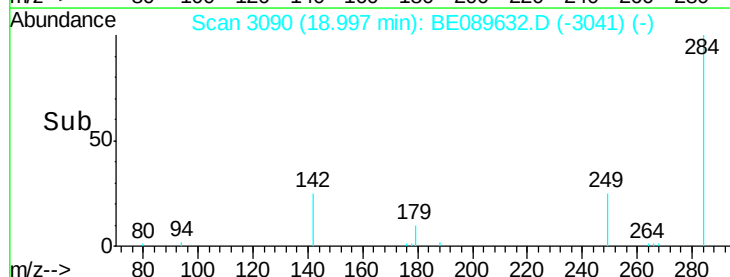
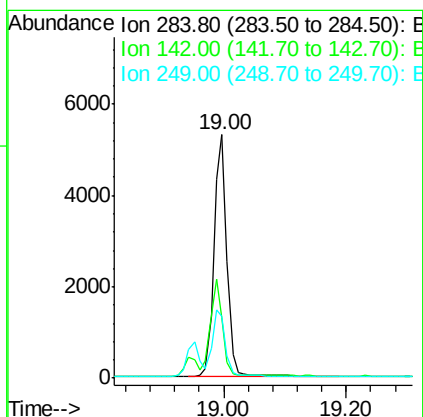
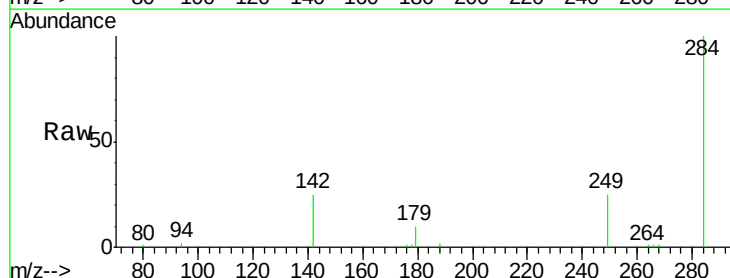
Instrument :
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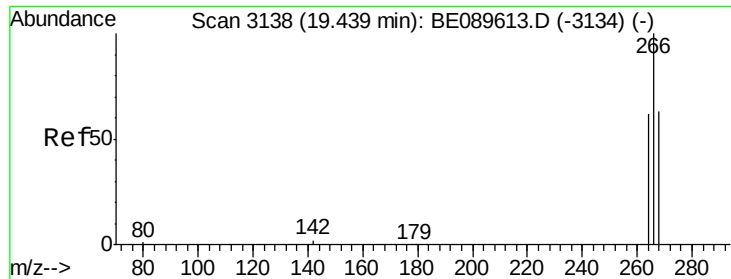
Tgt Ion:188 Resp: 174607
Ion Ratio Lower Upper
188 100
94 10.6 8.2 12.4
80 10.5 8.1 12.1



#14
Hexachlorobenzene
Concen: 1.03 ng
RT: 19.00 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BE089632.D
Acq: 19 Feb 2015 00:53

Tgt Ion:284 Resp: 7729
Ion Ratio Lower Upper
284 100
142 38.3 32.3 48.5
249 27.2 22.3 33.5

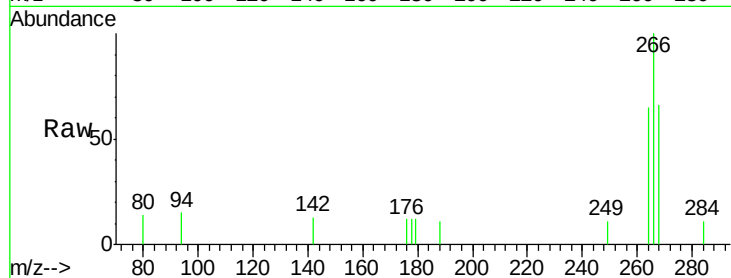




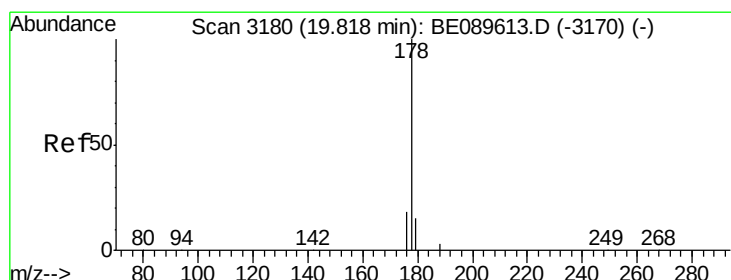
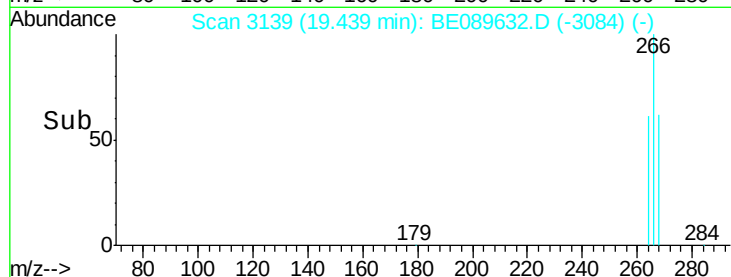
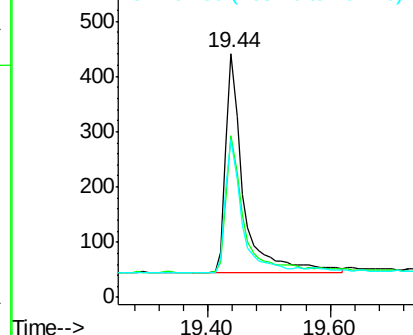
#15
 Pentachlorophenol
 Concen: 0.78 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BE089632.D
 Acq: 19 Feb 2015 00:53

Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

Tgt Ion: 266 Resp: 808
 Ion Ratio Lower Upper
 266 100
 268 66.4 52.6 79.0
 264 65.1 51.8 77.8

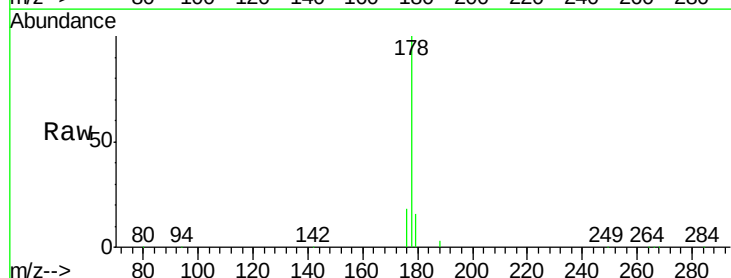


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

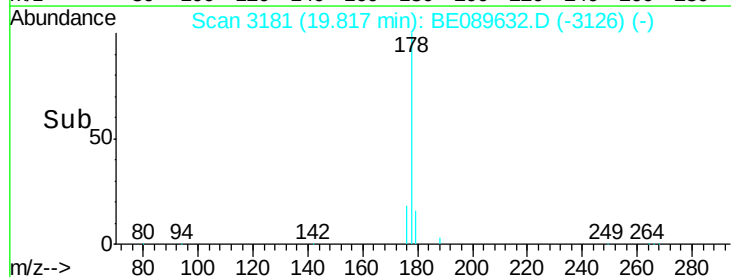
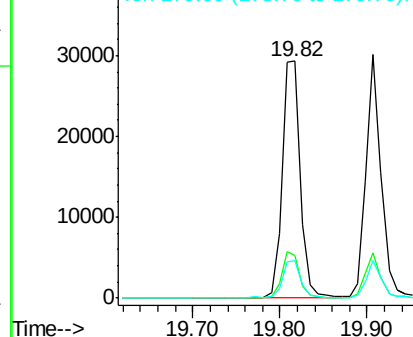


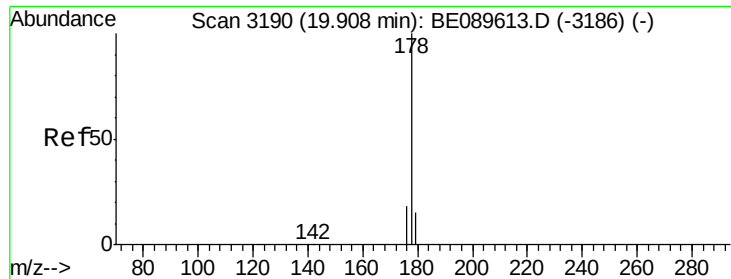
#16
 Phenanthrene
 Concen: 1.00 ng
 RT: 19.82 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: BE089632.D
 Acq: 19 Feb 2015 00:53

Tgt Ion: 178 Resp: 42765
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.1 22.7
 179 15.6 12.3 18.5



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

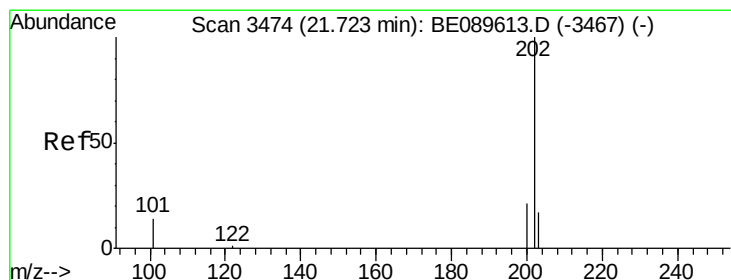
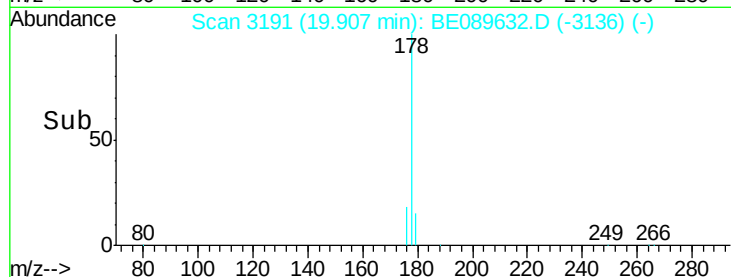
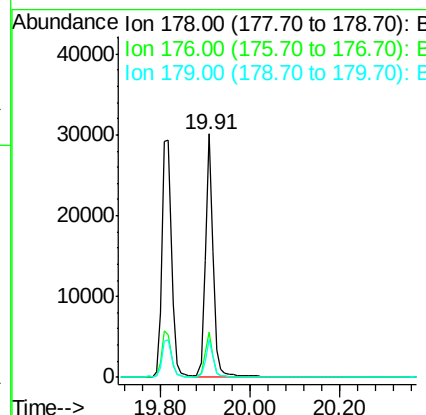
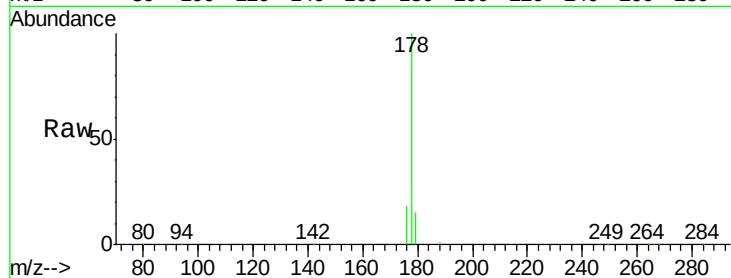




#17
 Anthracene
 Concen: 1.01 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089632.D
 Acq: 19 Feb 2015 00:53

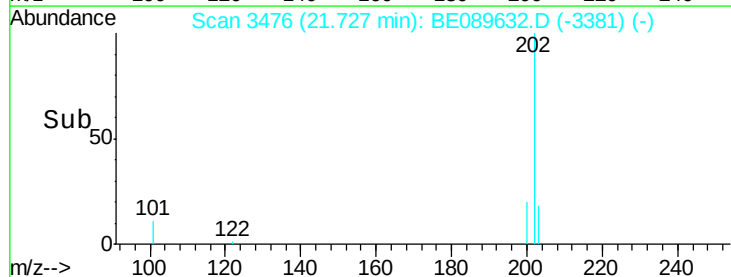
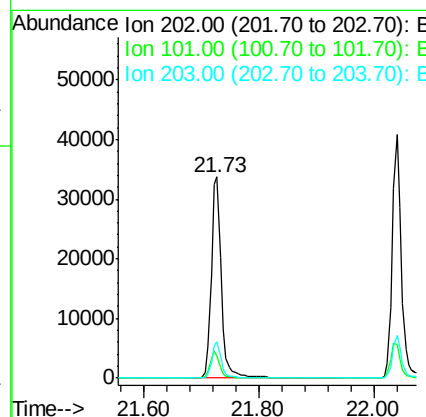
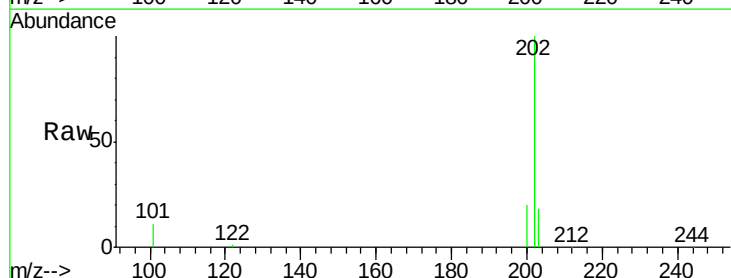
Instrument :
 BNA_E
 LabSampleId :
 SSTDCCC001

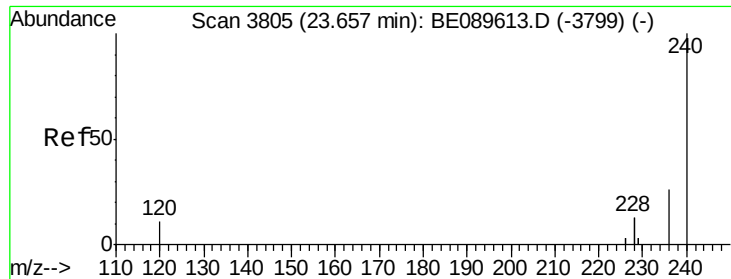
Tgt Ion:178 Resp: 37021
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.6 22.0
 179 15.0 12.3 18.5



#18
 Fluoranthene
 Concen: 1.01 ng
 RT: 21.73 min Scan# 3476
 Delta R.T. 0.00 min
 Lab File: BE089632.D
 Acq: 19 Feb 2015 00:53

Tgt Ion:202 Resp: 41352
 Ion Ratio Lower Upper
 202 100
 101 12.8 10.4 15.6
 203 17.2 13.9 20.9





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3806

Delta R.T. 0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

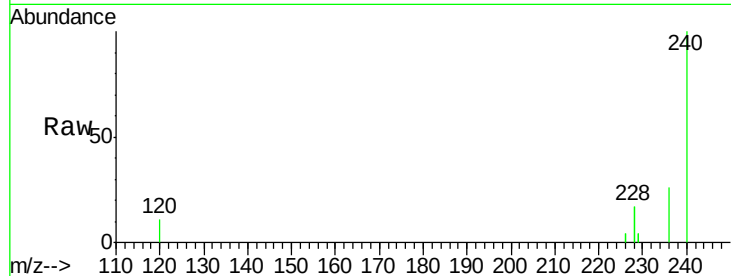
Tgt Ion:240 Resp: 178724

Ion Ratio Lower Upper

240 100

120 10.8 9.0 13.4

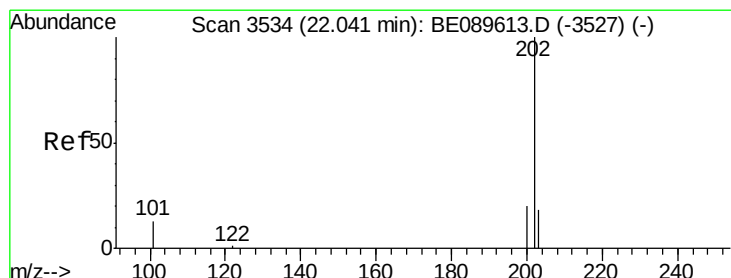
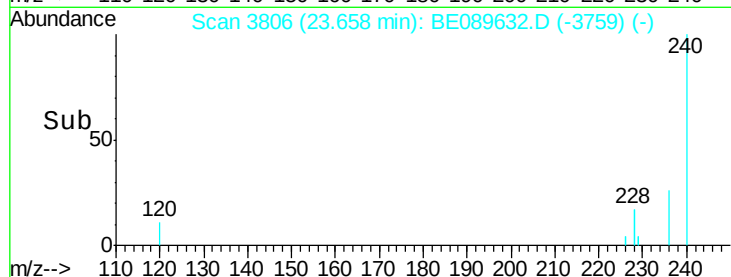
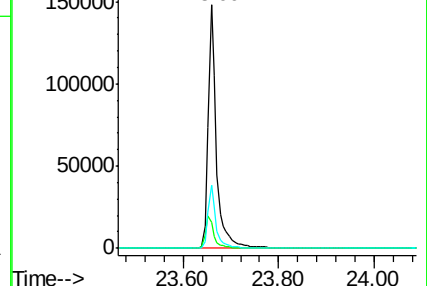
236 25.9 21.0 31.6



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: 1.02 ng

RT: 22.04 min Scan# 3535

Delta R.T. -0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

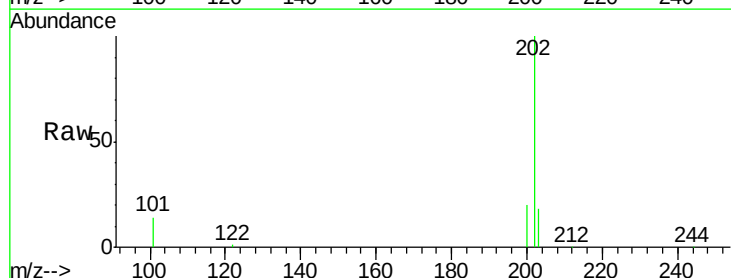
Tgt Ion:202 Resp: 45049

Ion Ratio Lower Upper

202 100

200 20.3 16.3 24.5

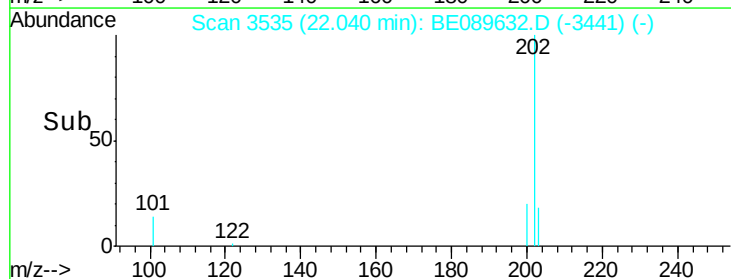
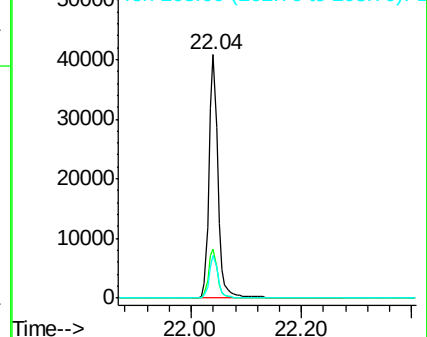
203 17.4 13.8 20.8

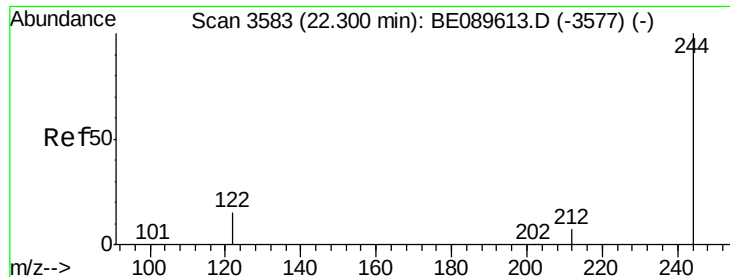


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 1.00 ng

RT: 22.30 min Scan# 3585

Delta R.T. 0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

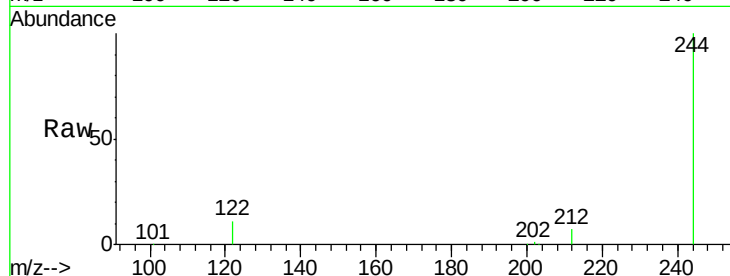
Tgt Ion:244 Resp: 25630

Ion Ratio Lower Upper

244 100

212 6.7 5.8 8.8

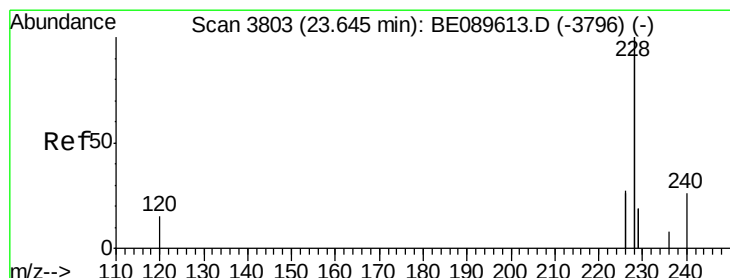
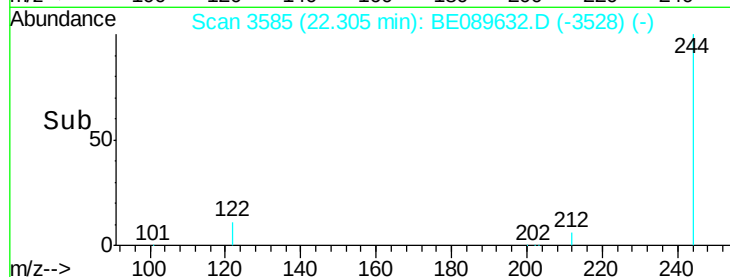
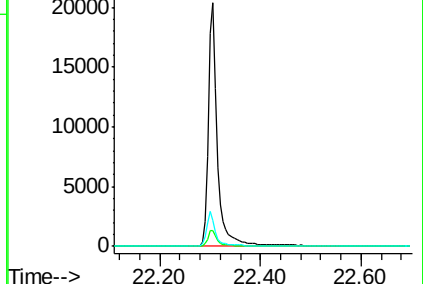
122 10.9 11.8 17.8#



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: 0.90 ng

RT: 23.65 min Scan# 3804

Delta R.T. 0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

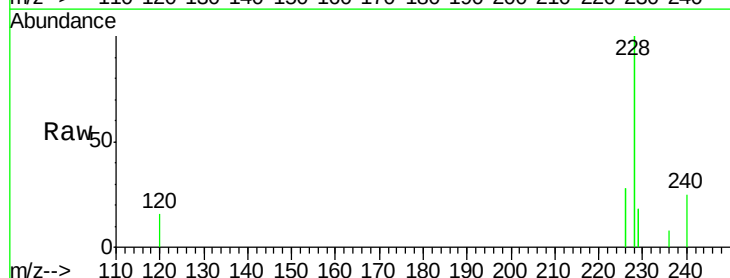
Tgt Ion:228 Resp: 142685

Ion Ratio Lower Upper

228 100

226 28.1 21.2 31.8

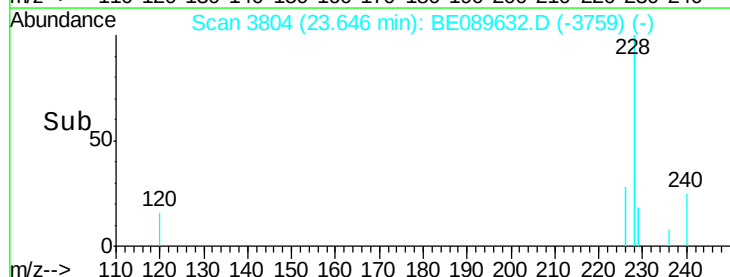
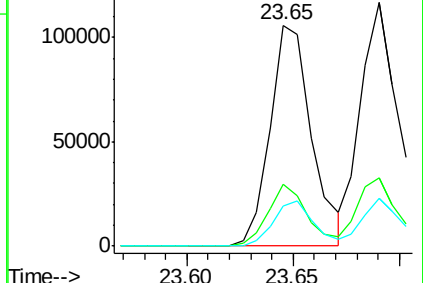
229 18.3 15.2 22.8

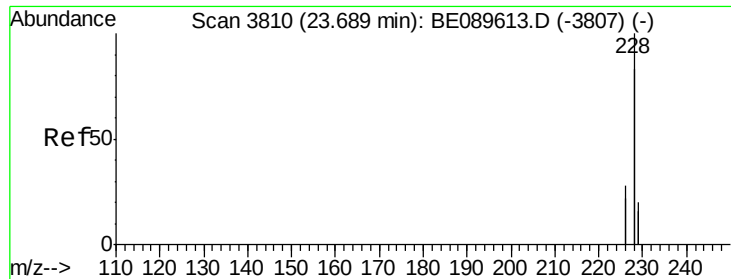


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.04 ng

RT: 23.69 min Scan# 3811

Delta R.T. 0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

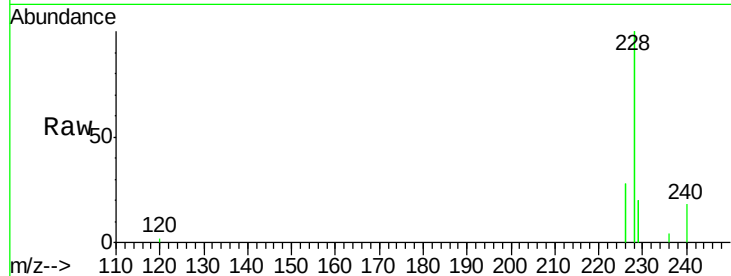
Tgt Ion:228 Resp: 183253

Ion Ratio Lower Upper

228 100

226 28.1 22.2 33.4

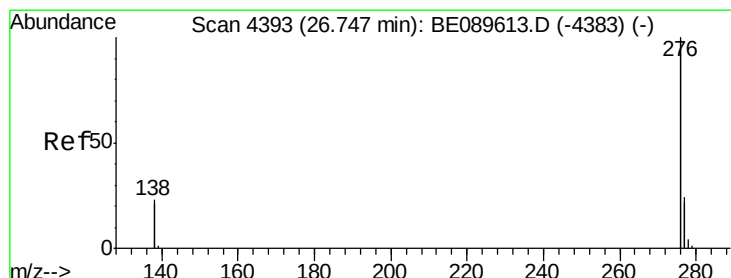
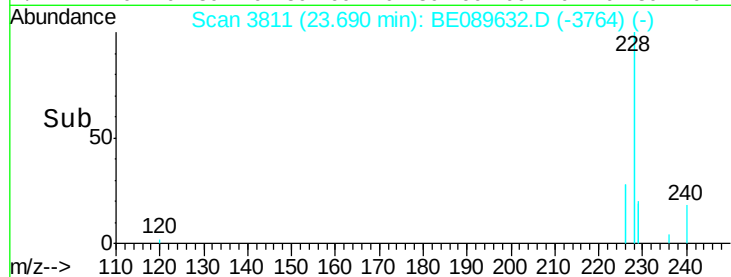
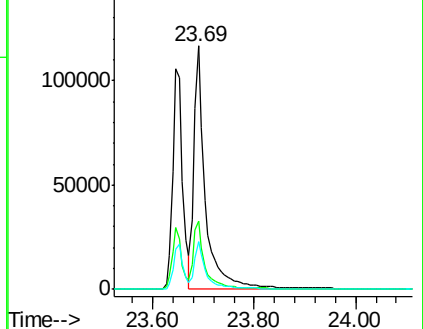
229 19.8 16.0 24.0



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: 0.73 ng

RT: 26.74 min Scan# 4393

Delta R.T. -0.01 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

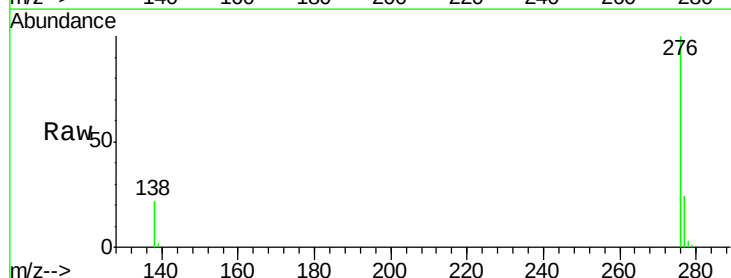
Tgt Ion:276 Resp: 91411

Ion Ratio Lower Upper

276 100

138 0.0 21.4 32.2#

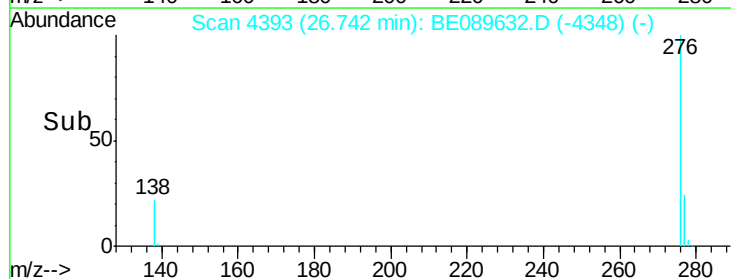
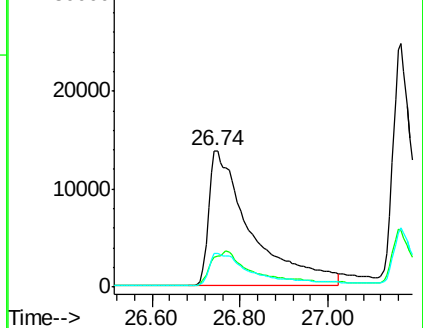
277 24.7 19.9 29.9

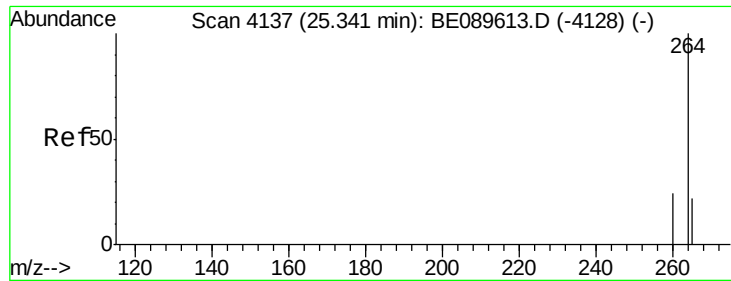


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



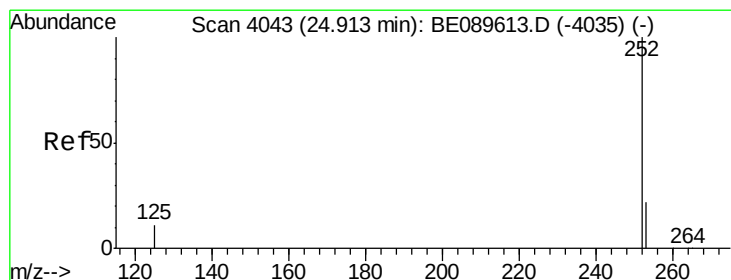
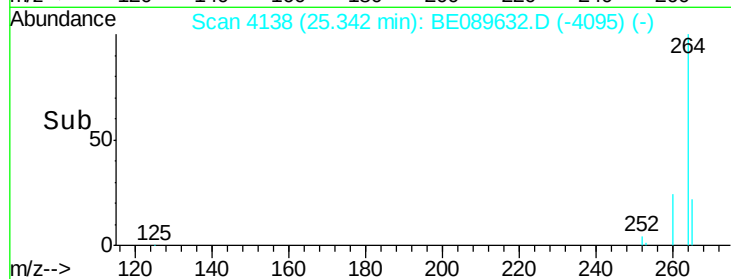
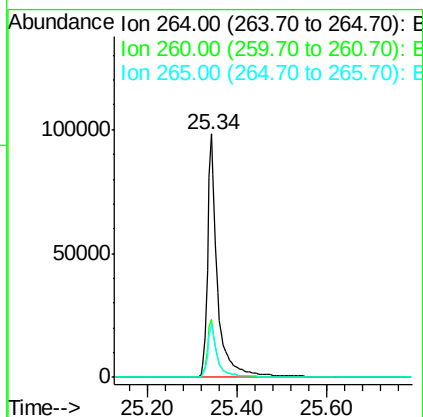
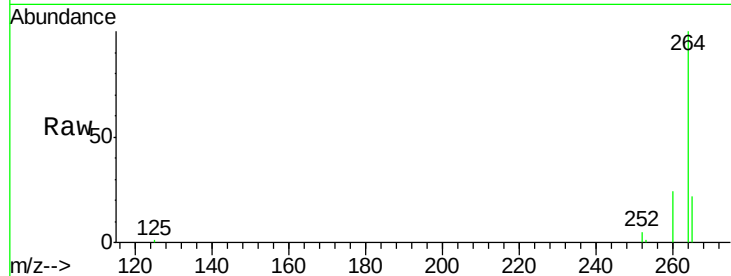


#25
Perylene-d12
Concen: 5.00 ng
RT: 25.34 min Scan# 4138
Delta R.T. 0.00 min
Lab File: BE089632.D
Acq: 19 Feb 2015 00:53

Instrument :
BNA_E
LabSampleId :
SSTDCCC001

Tgt Ion: 264 Resp: 151450

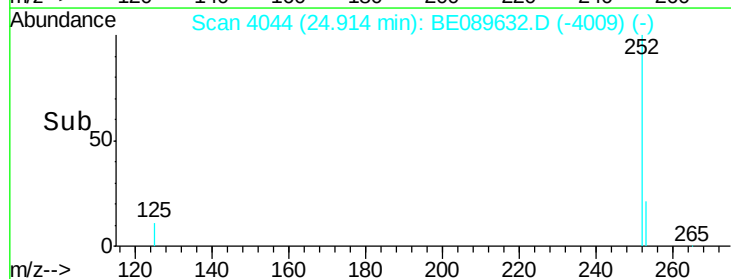
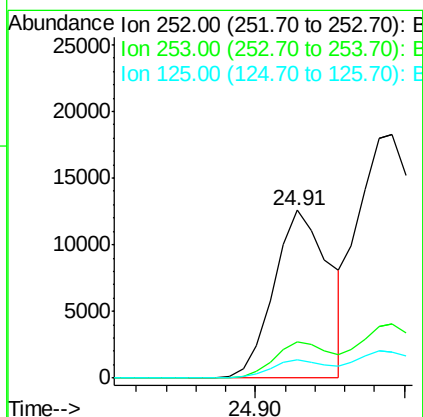
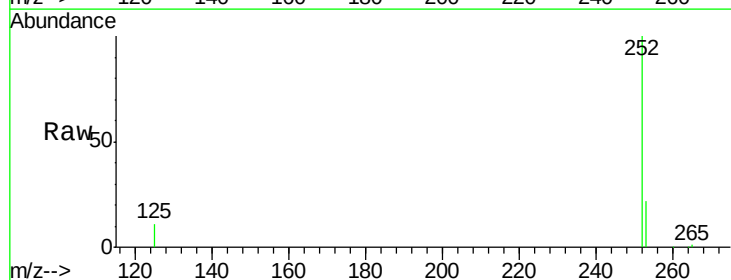
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	21.6	17.4	26.0

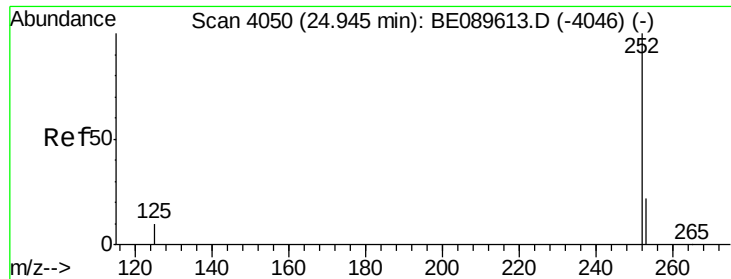


#26
Benzo(b)fluoranthene
Concen: 0.70 ng
RT: 24.91 min Scan# 4044
Delta R.T. 0.00 min
Lab File: BE089632.D
Acq: 19 Feb 2015 00:53

Tgt Ion: 252 Resp: 16164

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	11.1	8.8	13.2

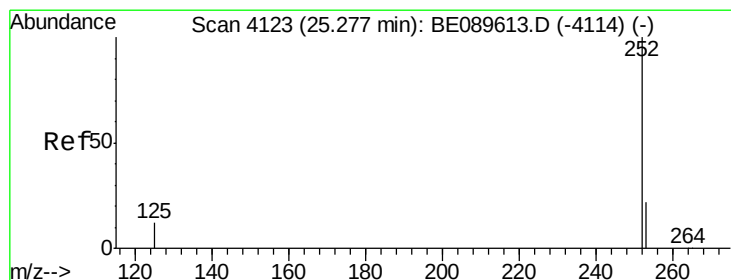
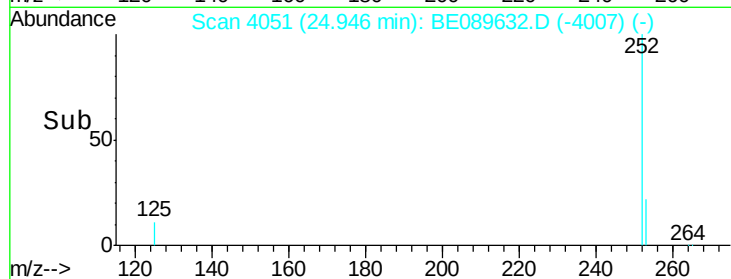
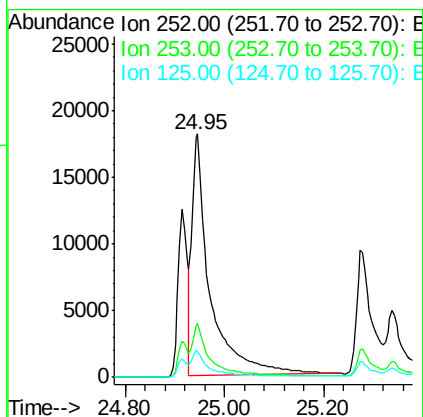
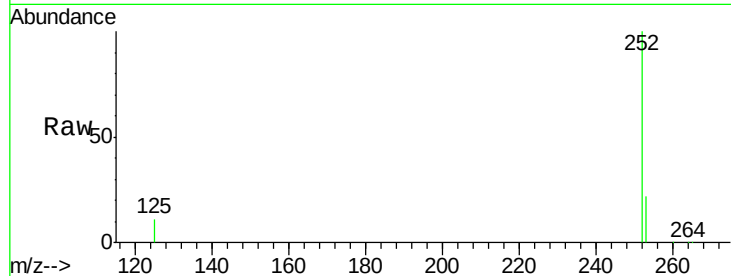




#27
Benzo(k)fluoranthene
Concen: 1.06 ng
RT: 24.95 min Scan# 4051
Delta R.T. 0.00 min
Lab File: BE089632.D
Acq: 19 Feb 2015 00:53

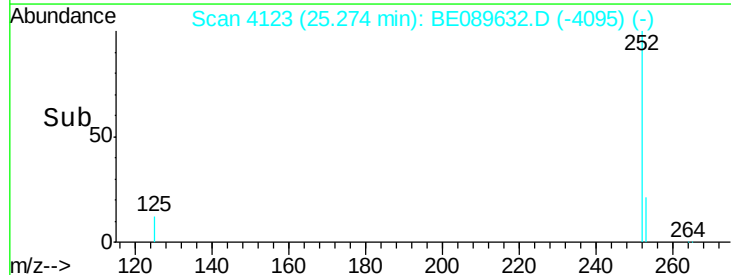
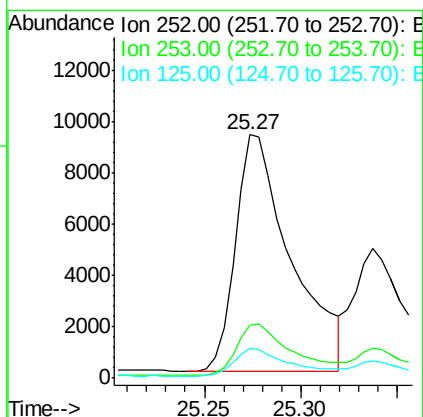
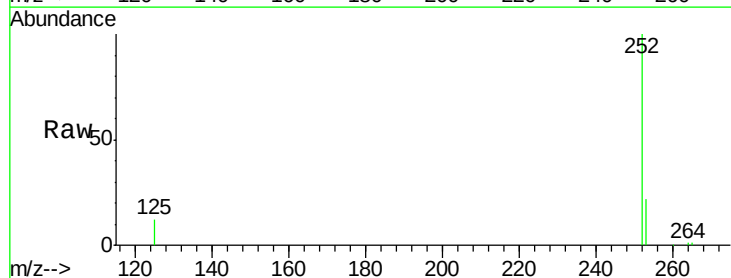
Instrument :
BNA_E
LabSampleId :
SSTDCCC001

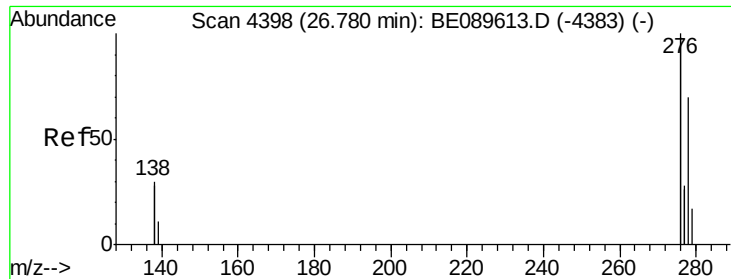
Tgt Ion:252 Resp: 45849
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 10.9 8.8 13.2



#28
Benzo(a)pyrene
Concen: 0.76 ng
RT: 25.27 min Scan# 4123
Delta R.T. -0.00 min
Lab File: BE089632.D
Acq: 19 Feb 2015 00:53

Tgt Ion:252 Resp: 18458
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 12.2 9.6 14.4





#29

Dibenzo(a,h)anthracene

Concen: 0.72 ng

RT: 26.77 min Scan# 4398

Delta R.T. -0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

Instrument :

BNA_E

LabSampleId :

SSTDCCC001

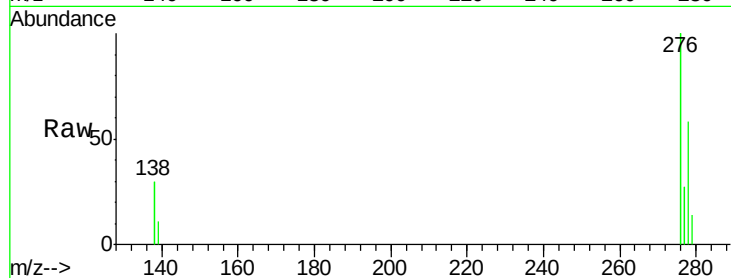
Tgt Ion:278 Resp: 16838

Ion Ratio Lower Upper

278 100

139 18.7 13.7 20.5

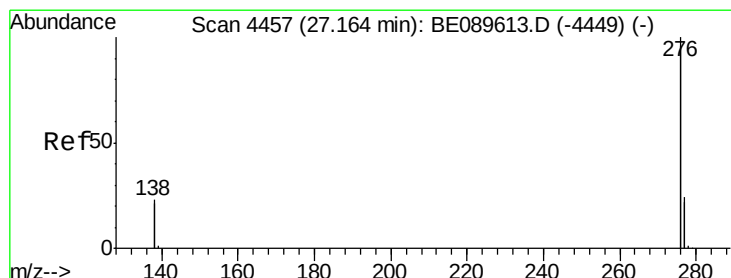
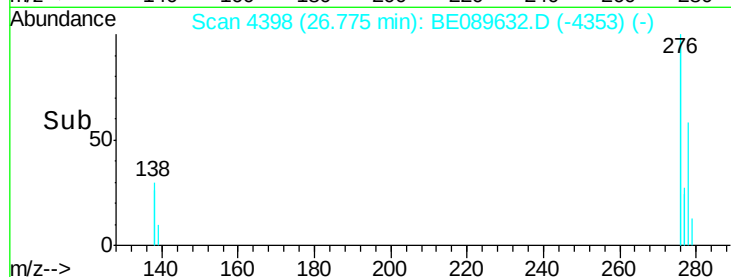
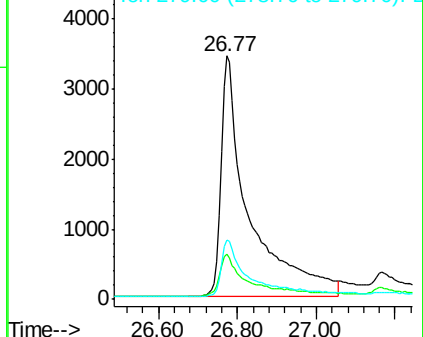
279 24.5 19.7 29.5



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: 0.85 ng

RT: 27.17 min Scan# 4458

Delta R.T. 0.00 min

Lab File: BE089632.D

Acq: 19 Feb 2015 00:53

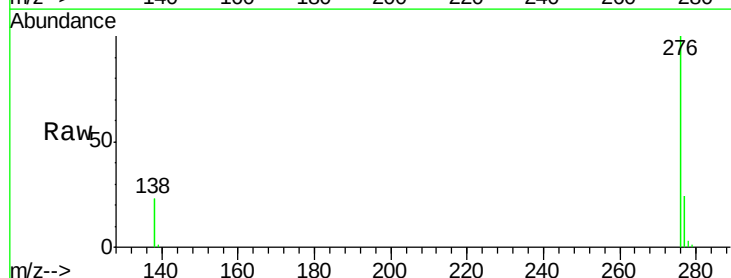
Tgt Ion:276 Resp: 99243

Ion Ratio Lower Upper

276 100

277 24.4 19.1 28.7

138 23.3 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

