

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089614.D
 Acq On : 18 Feb 2015 4:09
 Operator : TP/IZ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Quant Time: Feb 18 05:39:42 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 05:28:48 2015
 Response via : Initial Calibration

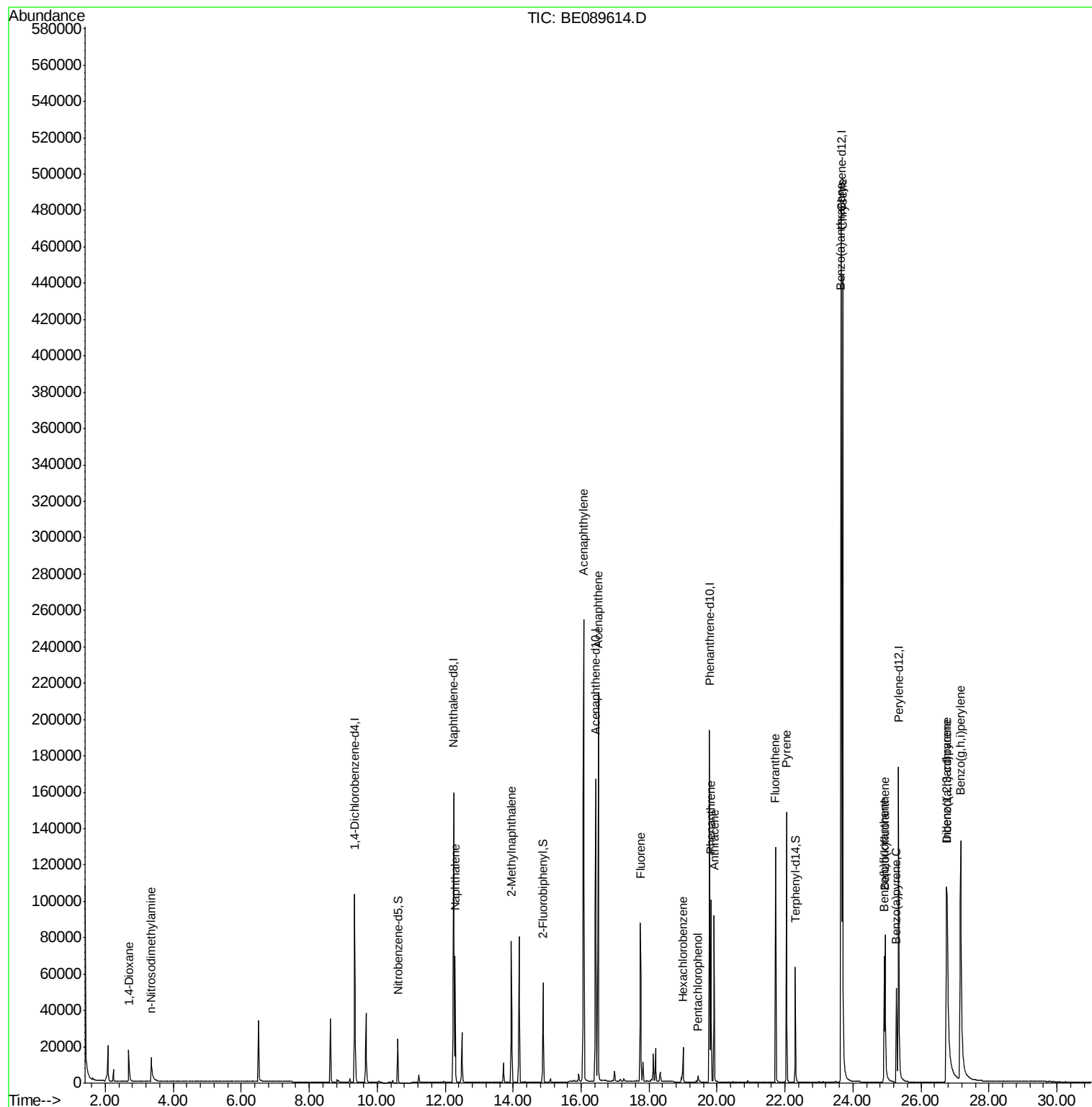
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.34	152	47398	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	190615	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	95344	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	187397	5.00	ng	0.00
19) Chrysene-d12	23.66	240	194336	5.00	ng	0.00
25) Perylene-d12	25.34	264	163707	5.00	ng	0.00
System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	17660	2.07	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	50629	1.71	ng	0.00
21) Terphenyl-d14	22.30	244	56534	1.60	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.70	88	11465	1.83	ng	100
3) n-Nitrosodimethylamine	3.34	42	11935	1.95	ng	91
6) Naphthalene	12.29	128	84372	1.79	ng	100
7) 2-Methylnaphthalene	13.95	142	53402	1.77	ng	99
10) Acenaphthylene	16.07	152	321878	1.81	ng	100
11) Acenaphthene	16.50	154	49447	1.70	ng	99
12) Fluorene	17.74	166	57998	1.78	ng	99
14) Hexachlorobenzene	19.00	284	16145	1.66	ng	99
15) Pentachlorophenol	19.44	266	2622	0.90	ng	98
16) Phenanthrene	19.82	178	90722	1.66	ng	100
17) Anthracene	19.91	178	81725	1.81	ng	100
18) Fluoranthene	21.72	202	91038	1.96	ng	100
20) Pyrene	22.04	202	99954	1.67	ng	100
22) Benzo(a)anthracene	23.65	228	355395	1.81	ng	99
23) Chrysene	23.69	228	376260	1.64	ng	99
24) Indeno(1,2,3-cd)pyrene	26.75	276	293068	1.76	ng	100
26) Benzo(b)fluoranthene	24.91	252	60272	1.87	ng	99
27) Benzo(k)fluoranthene	24.94	252	99932	1.89	ng	99
28) Benzo(a)pyrene	25.27	252	59058	1.89	ng	99
29) Dibenzo(a,h)anthracene	26.77	278	57349	1.82	ng	98
30) Benzo(g,h,i)perylene	27.17	276	260940	1.70	ng	99

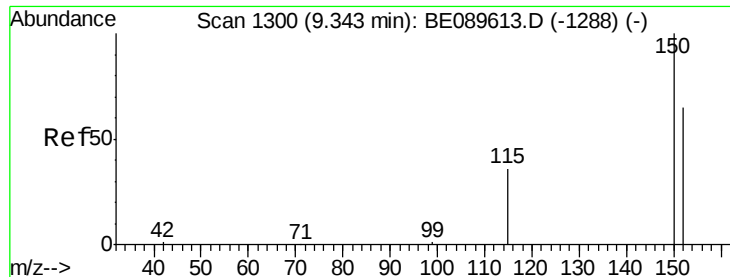
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.34 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDIC002

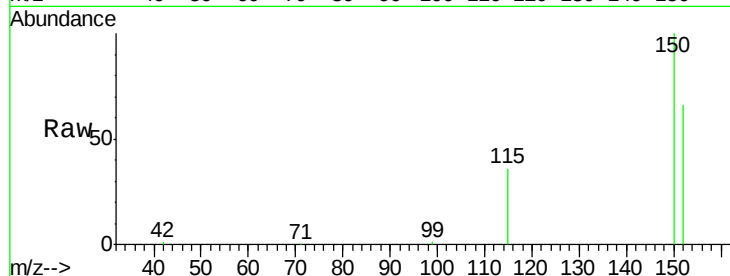
Tgt Ion:152 Resp: 47398

Ion Ratio Lower Upper

152 100

150 152.6 122.4 183.6

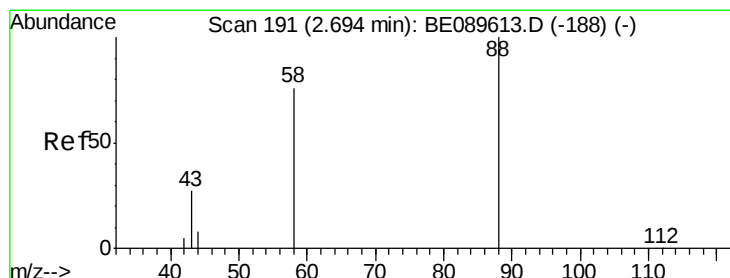
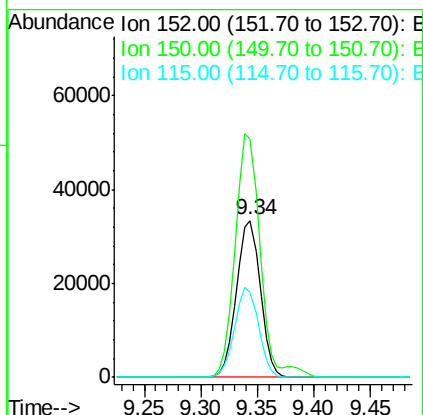
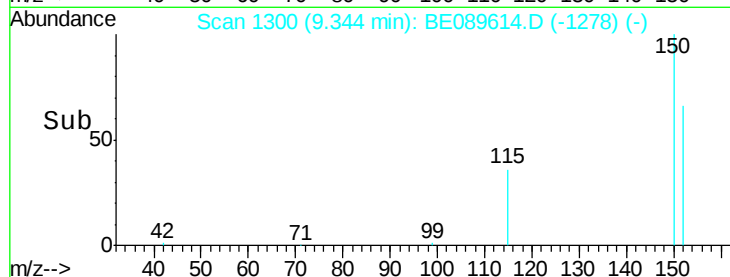
115 54.4 44.2 66.2



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: 1.83 ng

RT: 2.70 min Scan# 191

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

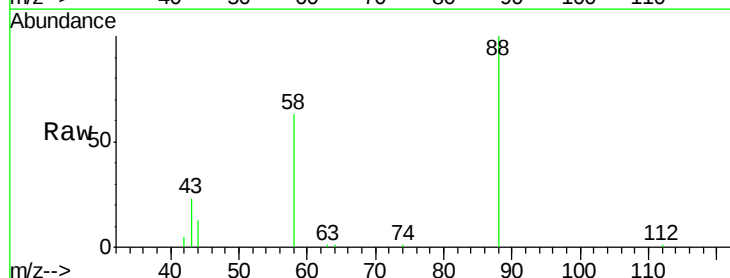
Tgt Ion: 88 Resp: 11465

Ion Ratio Lower Upper

88 100

58 68.3 54.6 81.8

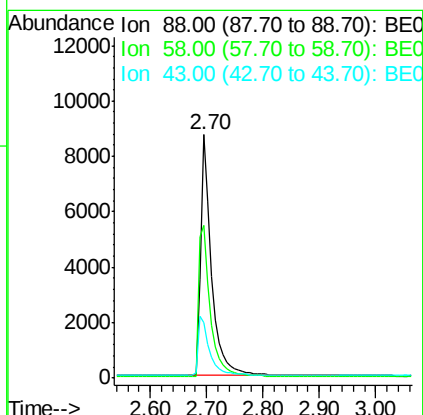
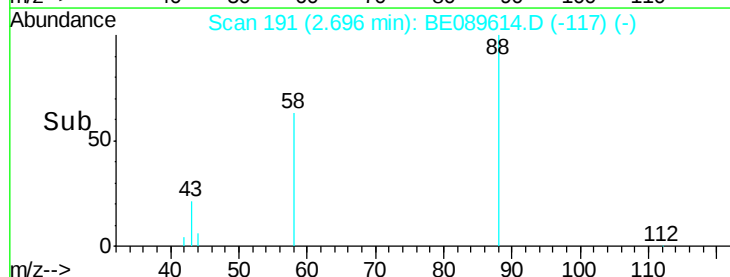
43 24.9 20.6 30.8

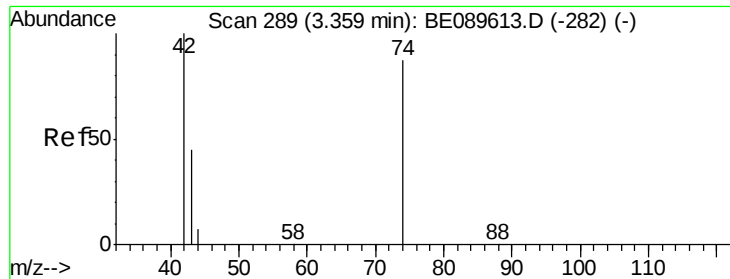


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



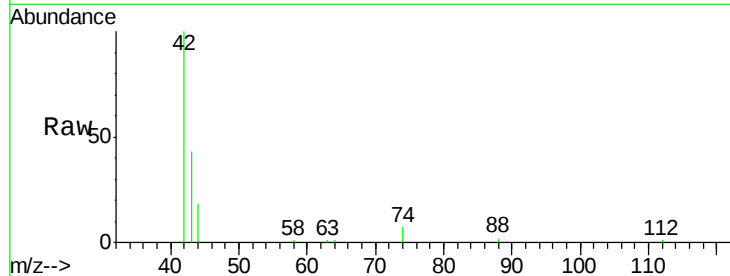


#3

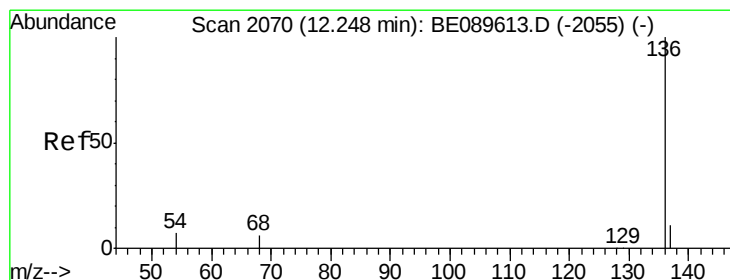
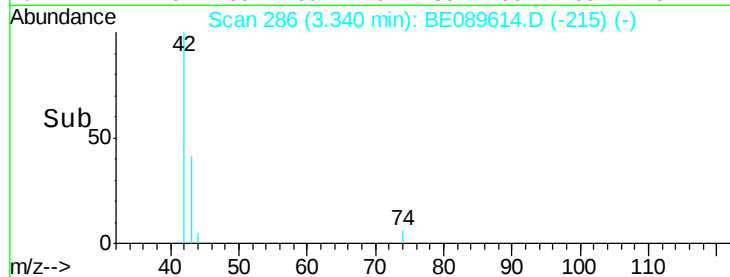
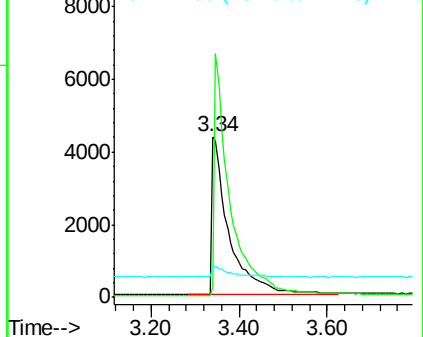
n-Nitrosodimethylamine
 Concen: 1.95 ng
 RT: 3.34 min Scan# 286
 Delta R.T. -0.02 min
 Lab File: BE089614.D
 Acq: 18 Feb 2015 4:09

Instrument :
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 SSTDICC002

Tgt Ion: 42 Resp: 11935
 Ion Ratio Lower Upper
 42 100
 74 139.8 121.4 182.0
 44 6.7 4.5 6.7



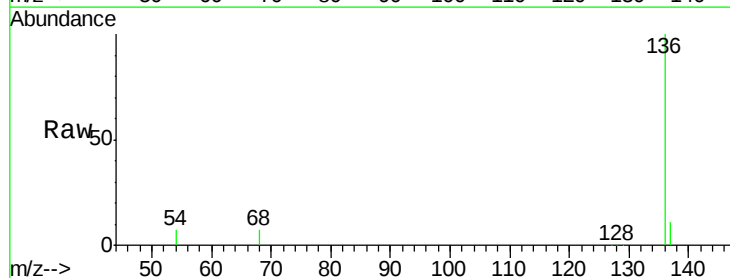
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



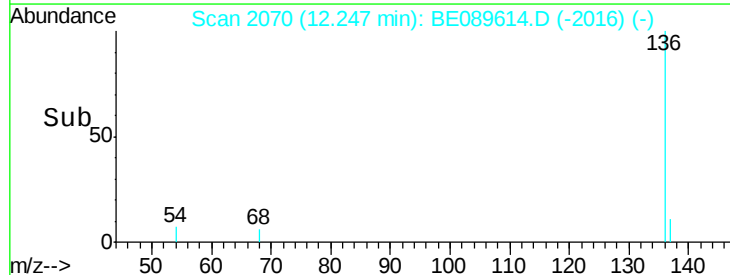
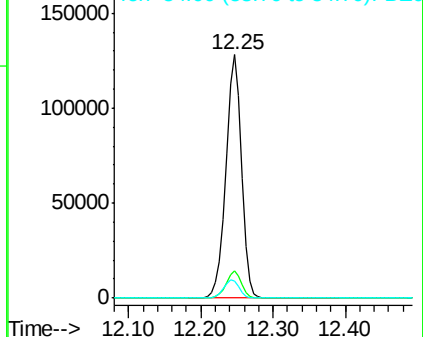
#4

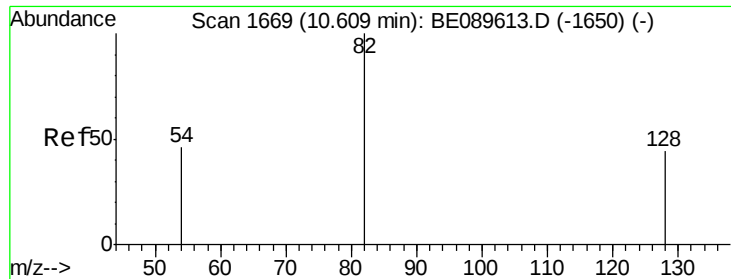
Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.25 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: BE089614.D
 Acq: 18 Feb 2015 4:09

Tgt Ion: 136 Resp: 190615
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.9 13.3
 54 7.0 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: 2.07 ng

RT: 10.61 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDICC002

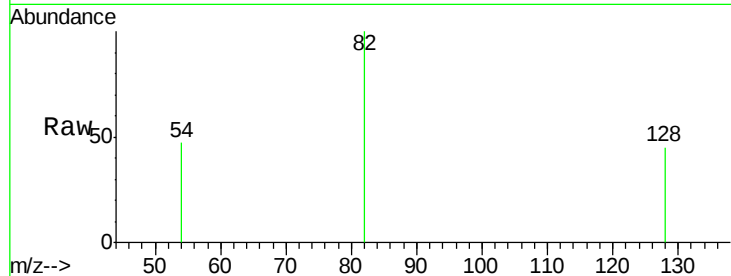
Tgt Ion: 82 Resp: 17660

Ion Ratio Lower Upper

82 100

128 45.0 35.5 53.3

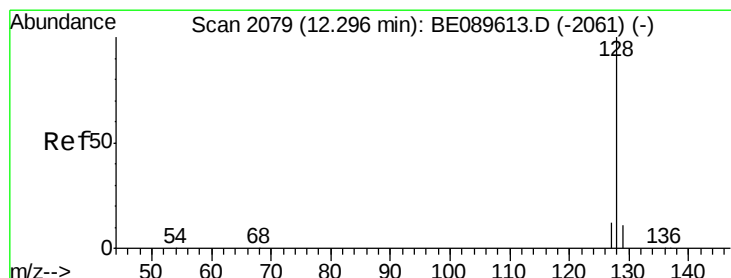
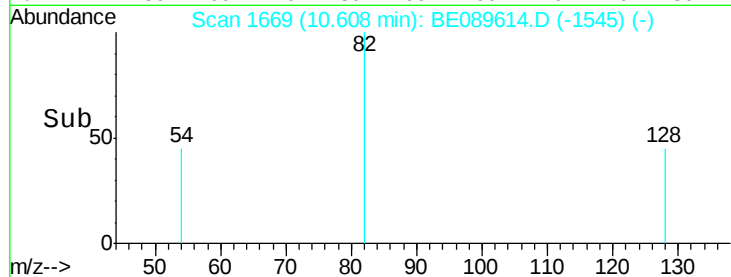
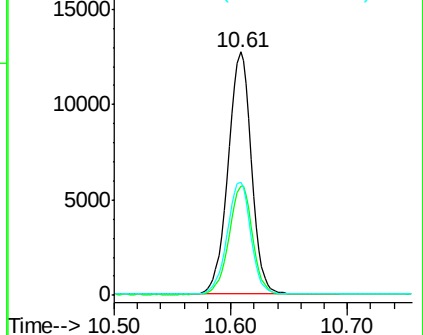
54 46.6 37.5 56.3



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: 1.79 ng

RT: 12.29 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

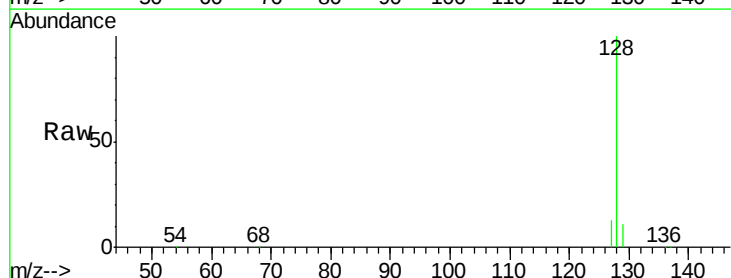
Tgt Ion: 128 Resp: 84372

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

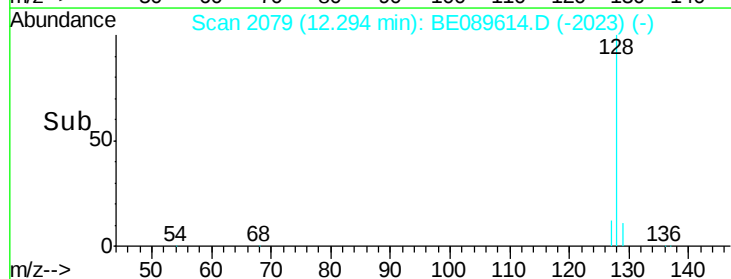
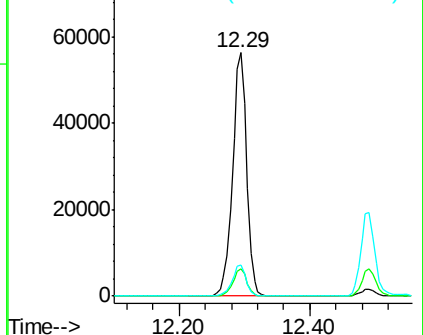
127 12.6 9.8 14.8

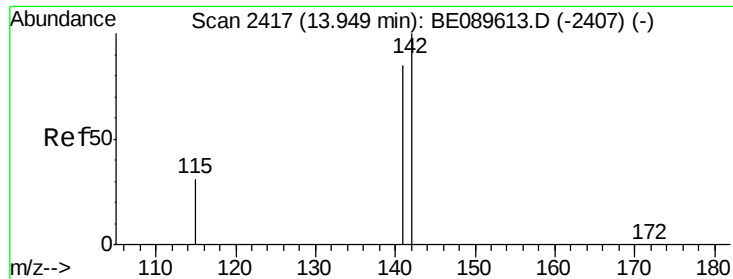


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 1.77 ng

RT: 13.95 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDICC002

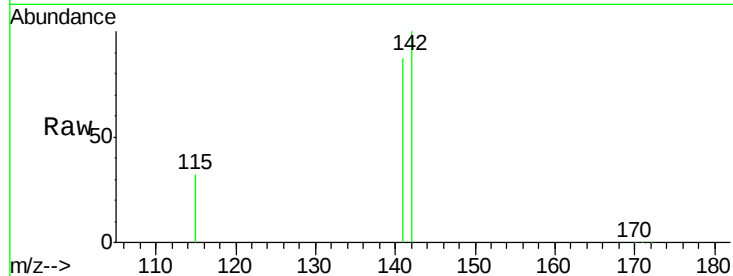
Tgt Ion:142 Resp: 53402

Ion Ratio Lower Upper

142 100

141 86.9 68.3 102.5

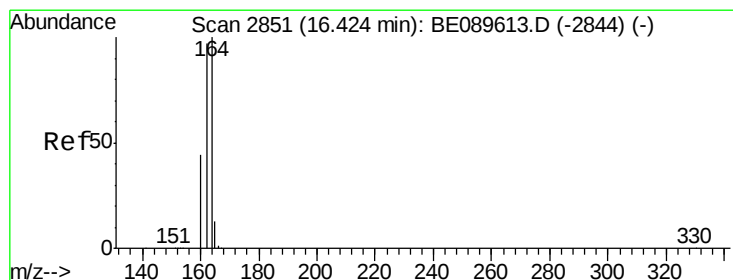
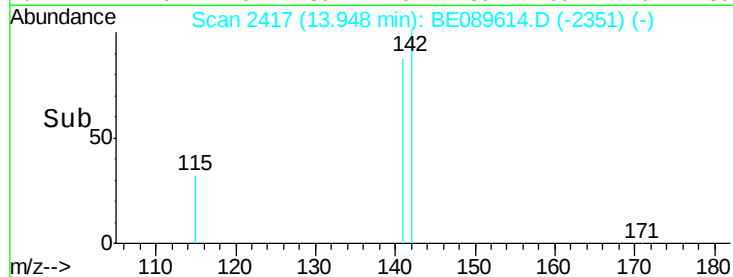
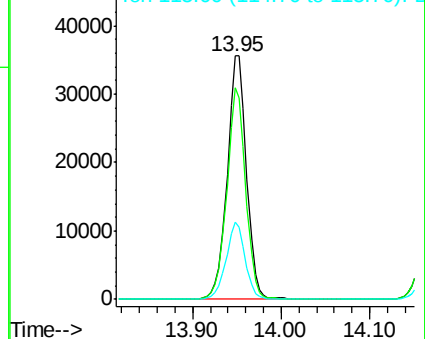
115 31.7 25.1 37.7



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: BE089614.D

Acq: 18 Feb 2015 4:09

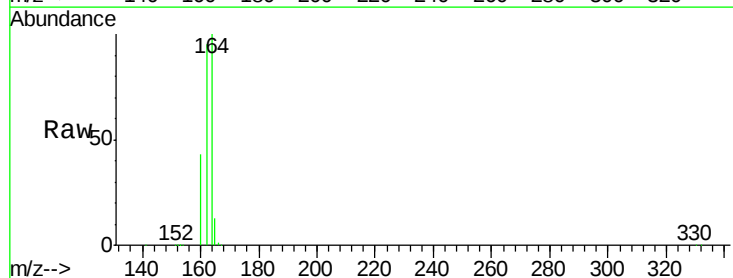
Tgt Ion:164 Resp: 95344

Ion Ratio Lower Upper

164 100

162 95.2 77.5 116.3

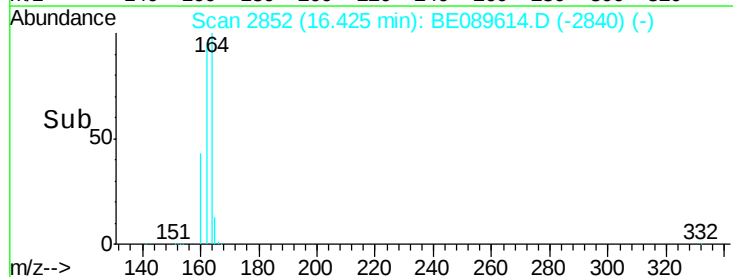
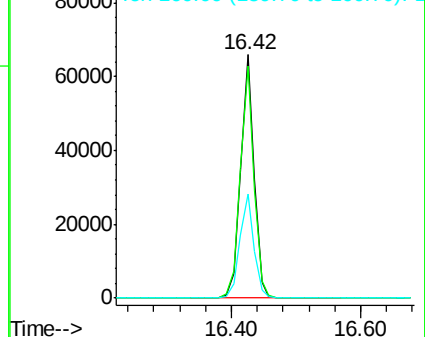
160 43.0 35.5 53.3

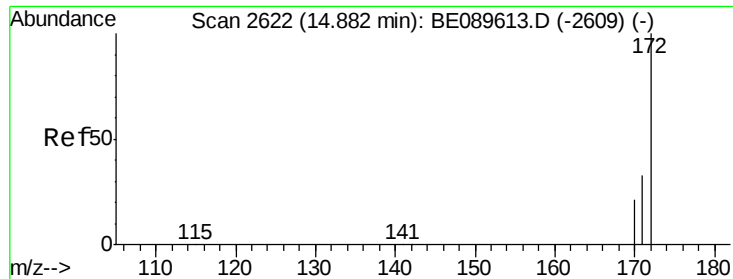


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#9

2-Fluorobiphenyl

Concen: 1.71 ng

RT: 14.88 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

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LabSampleId :

SSTDICC002

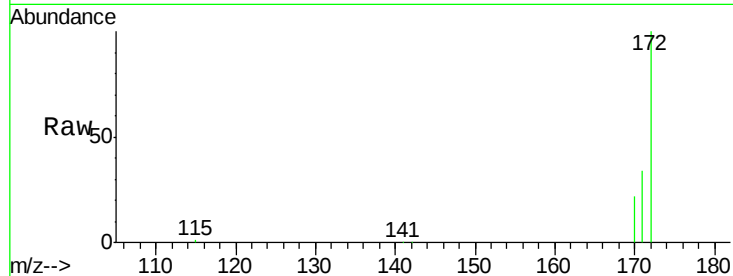
Tgt Ion:172 Resp: 50629

Ion Ratio Lower Upper

172 100

171 33.6 26.9 40.3

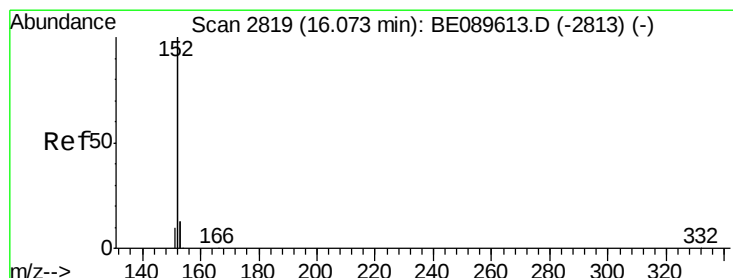
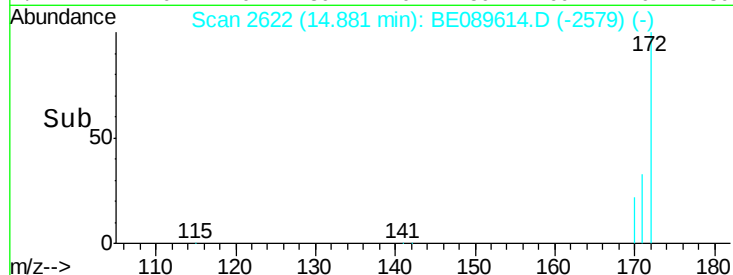
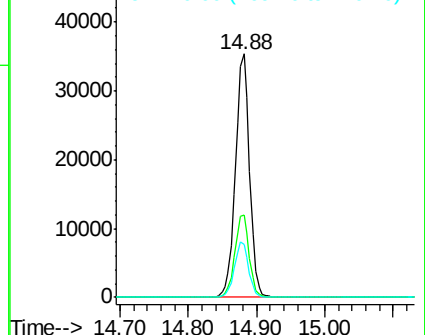
170 21.8 17.4 26.0



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#10

Acenaphthylene

Concen: 1.81 ng

RT: 16.07 min Scan# 2820

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

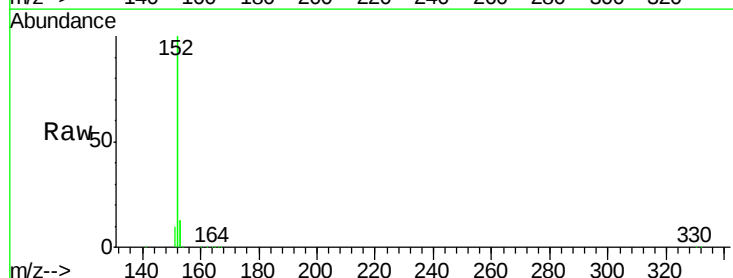
Tgt Ion:152 Resp: 321878

Ion Ratio Lower Upper

152 100

151 4.9 3.9 5.9

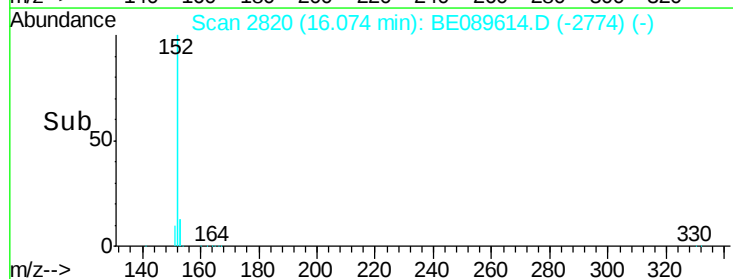
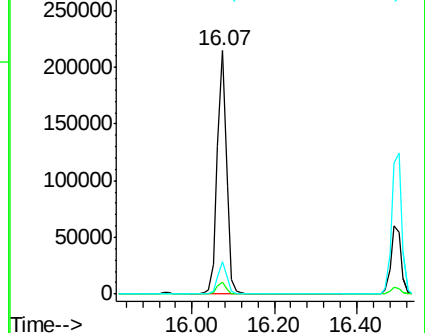
153 13.0 10.5 15.7

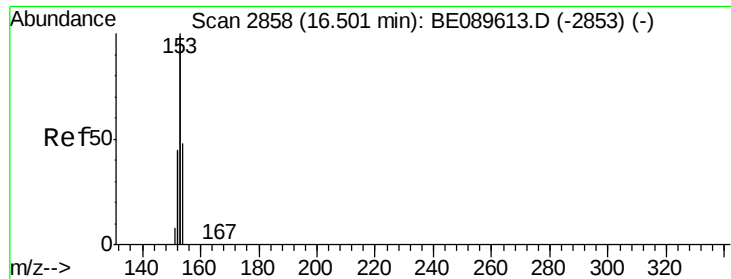


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#11

Acenaphthene

Concen: 1.70 ng

RT: 16.50 min Scan# 2859

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDIC002

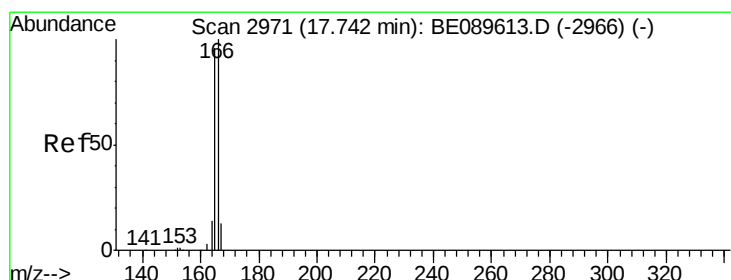
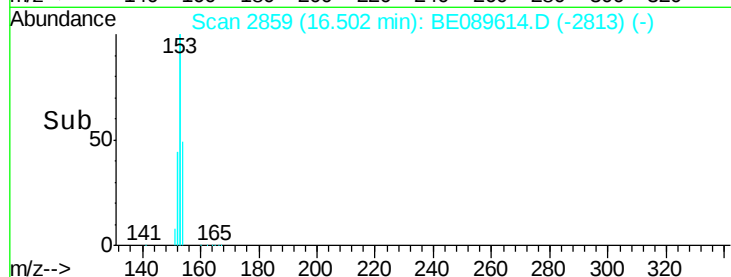
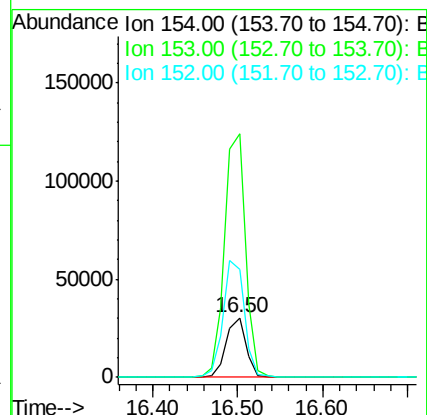
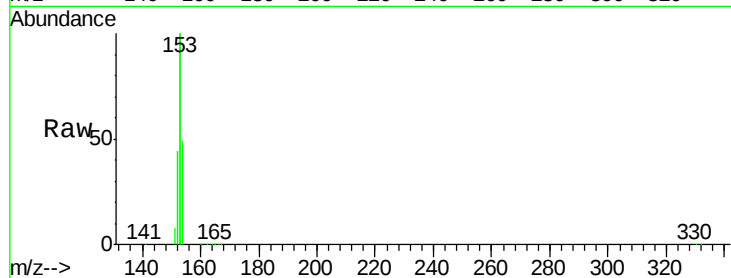
Tgt Ion:154 Resp: 49447

Ion Ratio Lower Upper

154 100

153 431.2 348.9 523.3

152 207.7 166.6 249.8



#12

Fluorene

Concen: 1.78 ng

RT: 17.74 min Scan# 2972

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

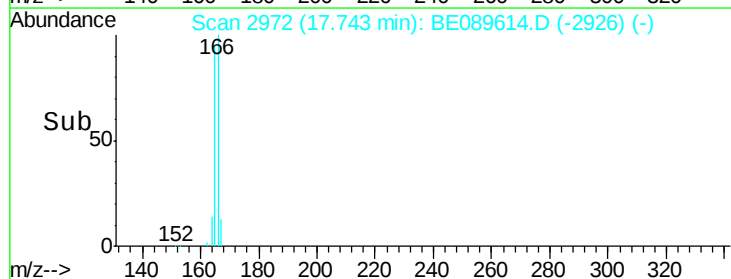
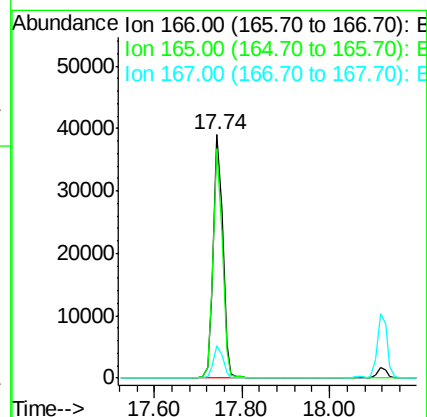
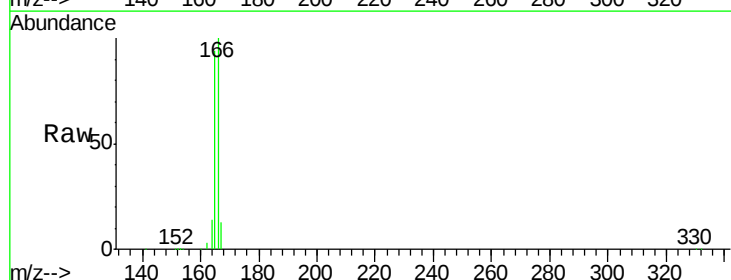
Tgt Ion:166 Resp: 57998

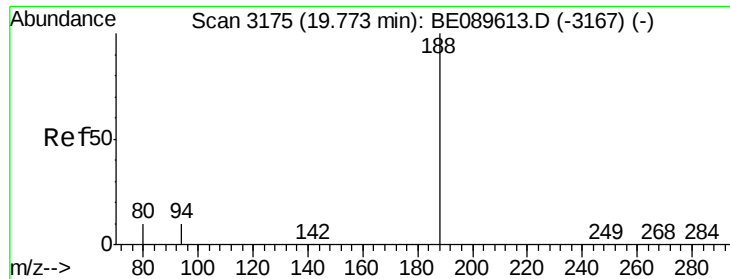
Ion Ratio Lower Upper

166 100

165 92.3 74.7 112.1

167 13.3 10.5 15.7

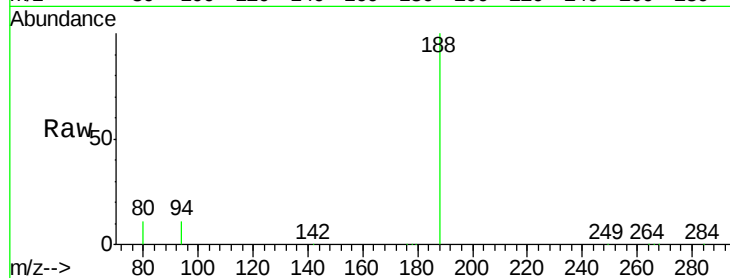




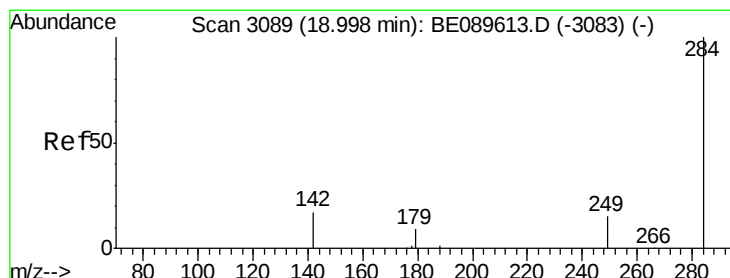
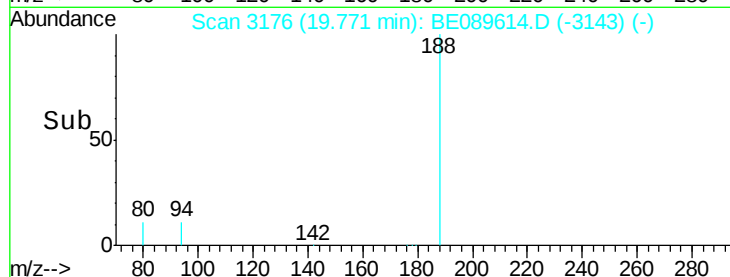
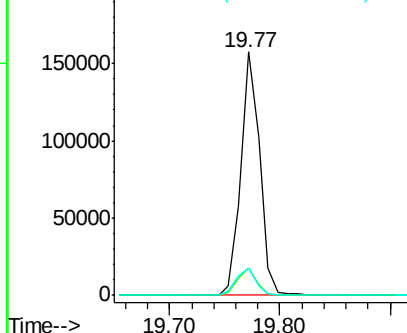
#13
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.77 min Scan# 3176
Delta R.T. -0.00 min
Lab File: BE089614.D
Acq: 18 Feb 2015 4:09

Instrument :
BNA_E
LabSampleId :
SSTDICC002

Tgt Ion:188 Resp: 187397
Ion Ratio Lower Upper
188 100
94 11.3 8.2 12.4
80 11.2 8.1 12.1

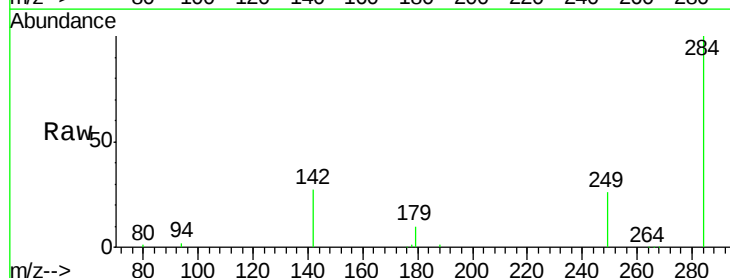


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

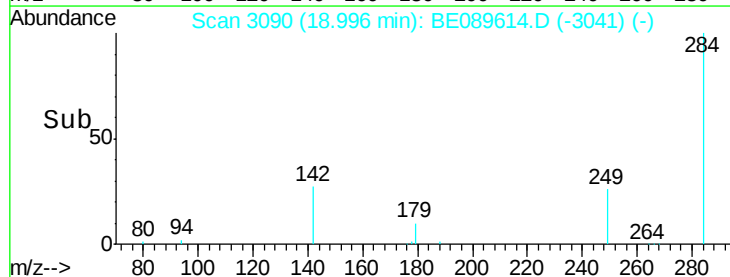
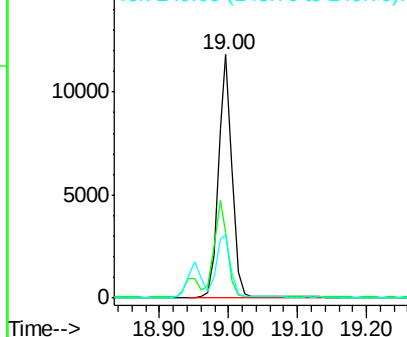


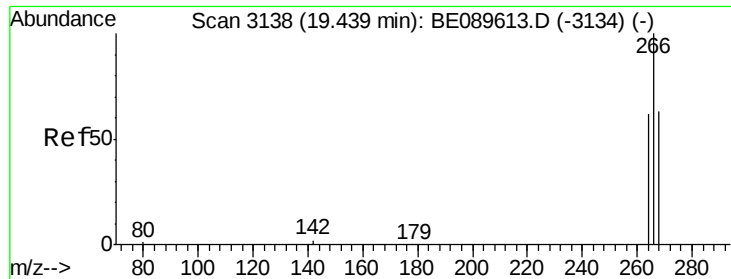
#14
Hexachlorobenzene
Concen: 1.66 ng
RT: 19.00 min Scan# 3090
Delta R.T. -0.00 min
Lab File: BE089614.D
Acq: 18 Feb 2015 4:09

Tgt Ion:284 Resp: 16145
Ion Ratio Lower Upper
284 100
142 39.3 32.3 48.5
249 27.6 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

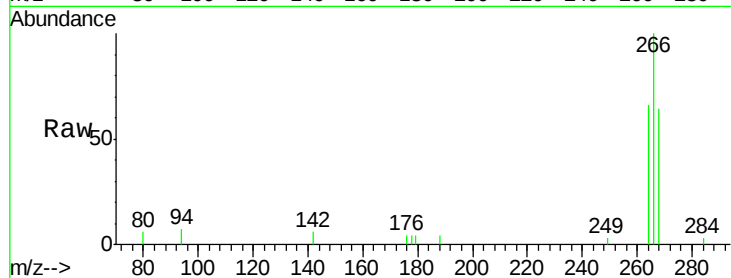




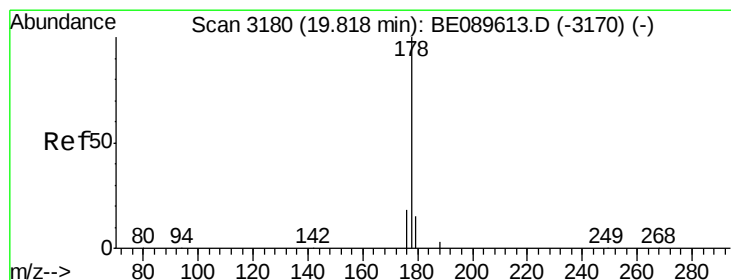
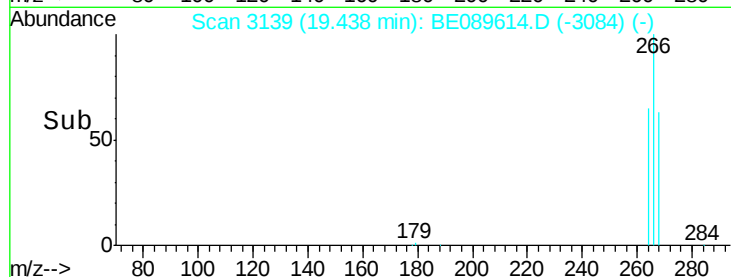
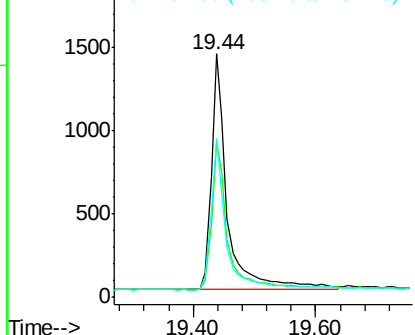
#15
 Pentachlorophenol
 Concen: 0.90 ng
 RT: 19.44 min Scan# 3139
 Delta R.T. -0.00 min
 Lab File: BE089614.D
 Acq: 18 Feb 2015 4:09

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

Tgt Ion: 266 Resp: 2622
 Ion Ratio Lower Upper
 266 100
 268 63.9 52.6 79.0
 264 65.6 51.8 77.8

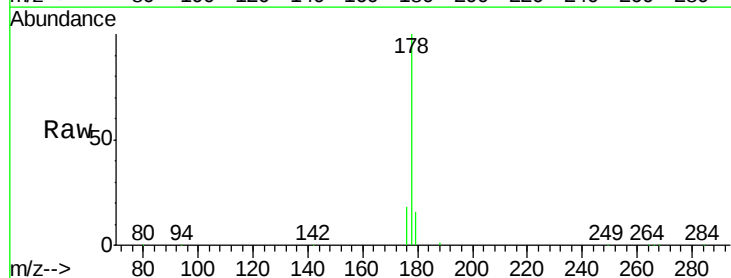


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

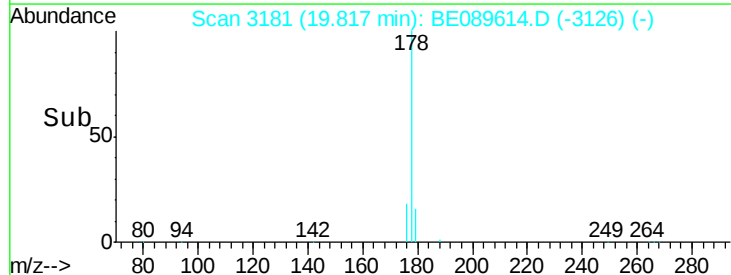
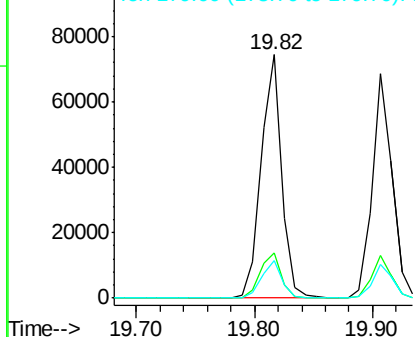


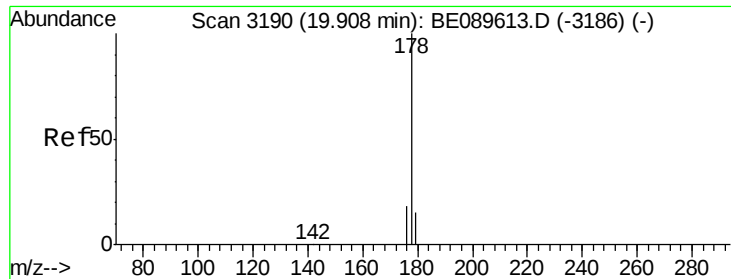
#16
 Phenanthrene
 Concen: 1.66 ng
 RT: 19.82 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: BE089614.D
 Acq: 18 Feb 2015 4:09

Tgt Ion: 178 Resp: 90722
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.1 22.7
 179 15.5 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

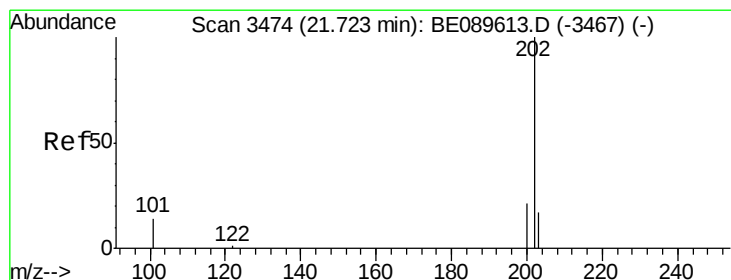
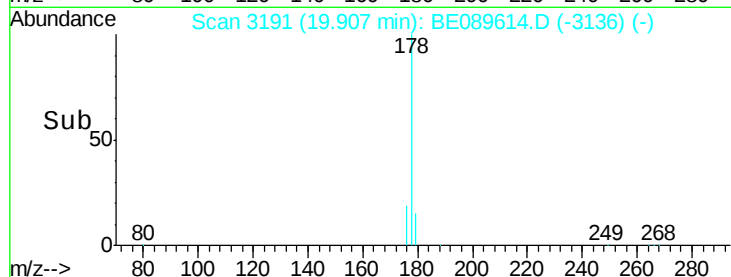
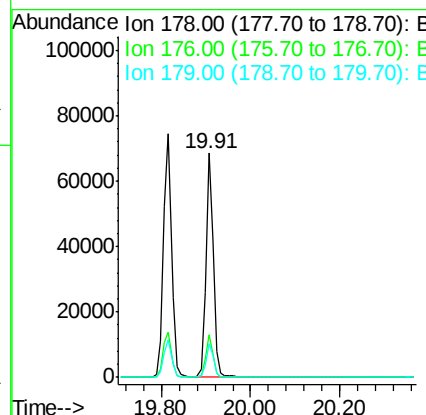
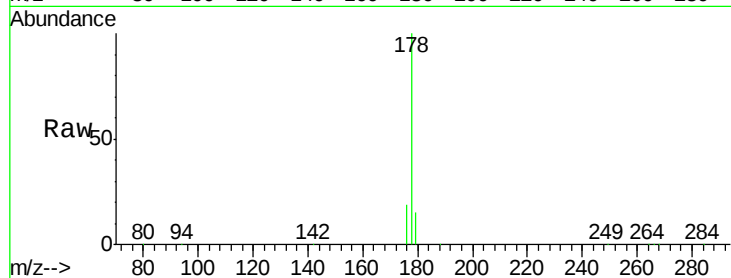




#17
 Anthracene
 Concen: 1.81 ng
 RT: 19.91 min Scan# 3191
 Delta R.T. -0.00 min
 Lab File: BE089614.D
 Acq: 18 Feb 2015 4:09

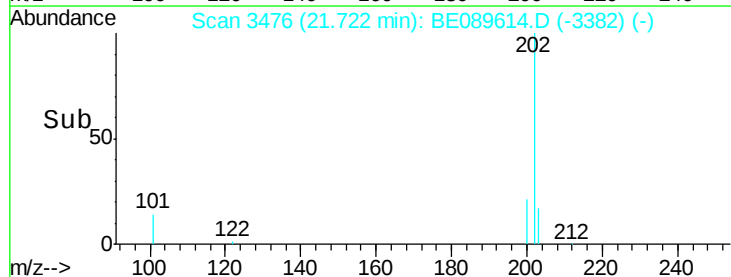
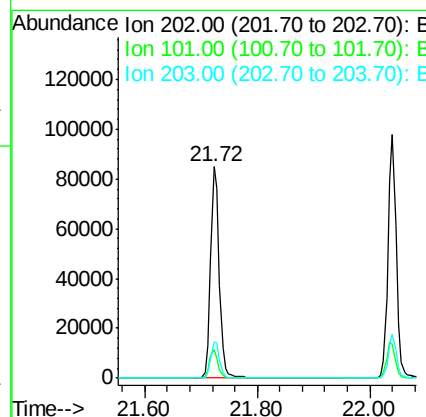
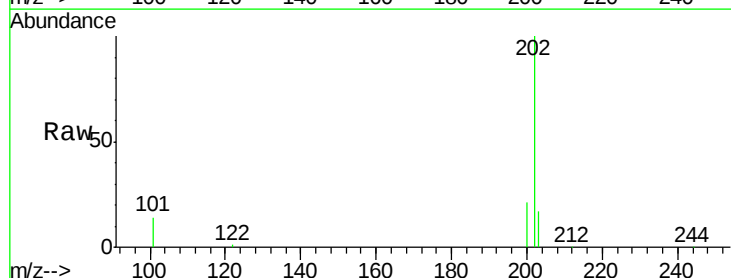
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC002

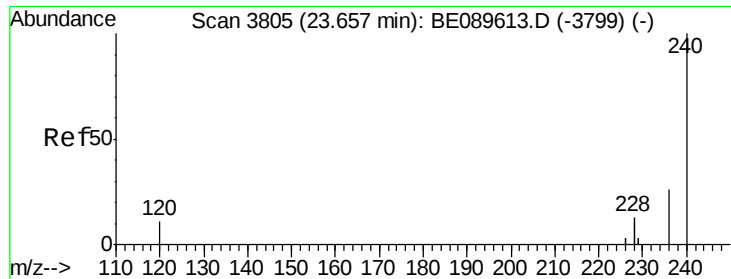
Tgt Ion:178 Resp: 81725
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.6 22.0
 179 15.3 12.3 18.5



#18
 Fluoranthene
 Concen: 1.96 ng
 RT: 21.72 min Scan# 3476
 Delta R.T. -0.00 min
 Lab File: BE089614.D
 Acq: 18 Feb 2015 4:09

Tgt Ion:202 Resp: 91038
 Ion Ratio Lower Upper
 202 100
 101 13.1 10.4 15.6
 203 17.4 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: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDICC002

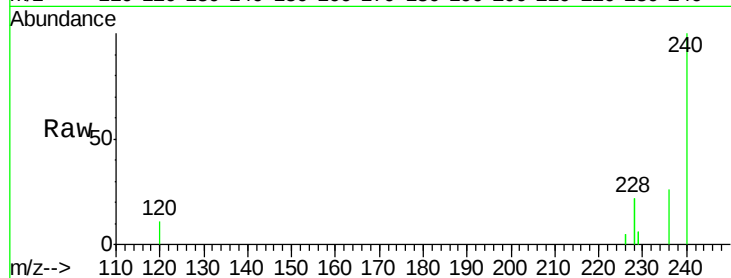
Tgt Ion:240 Resp: 194336

Ion Ratio Lower Upper

240 100

120 10.6 9.0 13.4

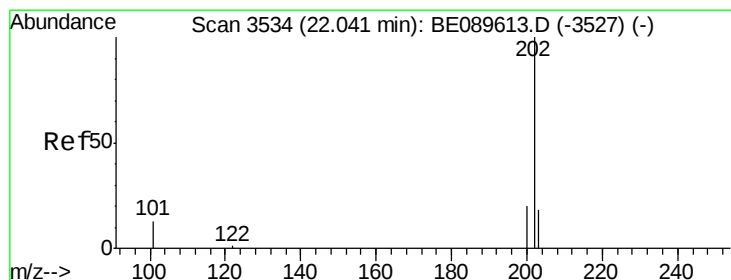
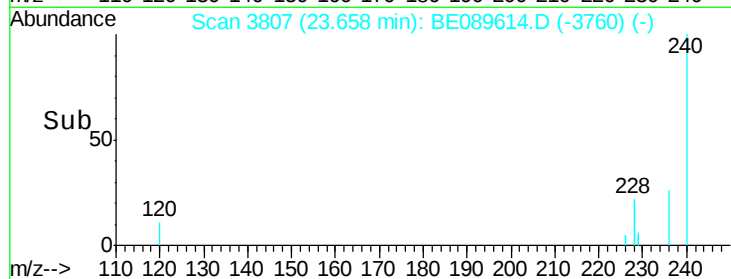
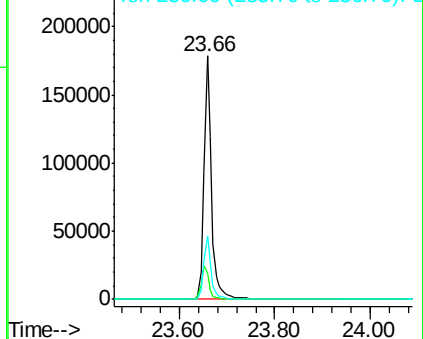
236 26.2 21.0 31.6



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: 1.67 ng

RT: 22.04 min Scan# 3536

Delta R.T. -0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

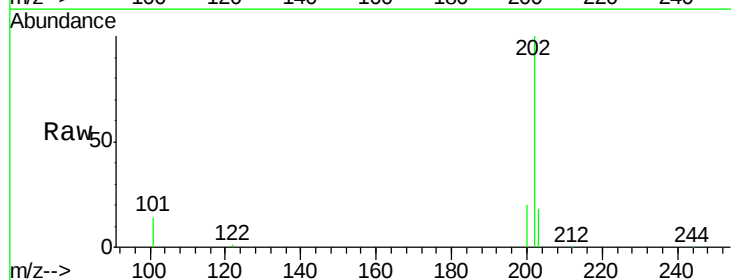
Tgt Ion:202 Resp: 99954

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

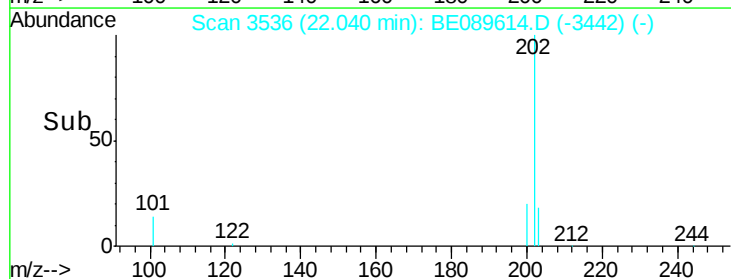
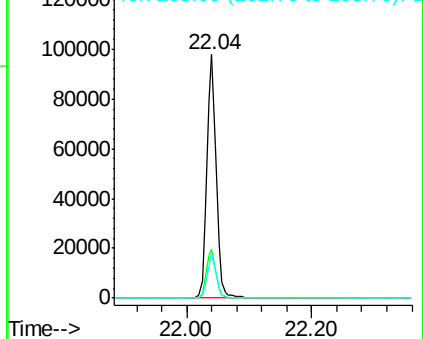
203 17.6 13.8 20.8

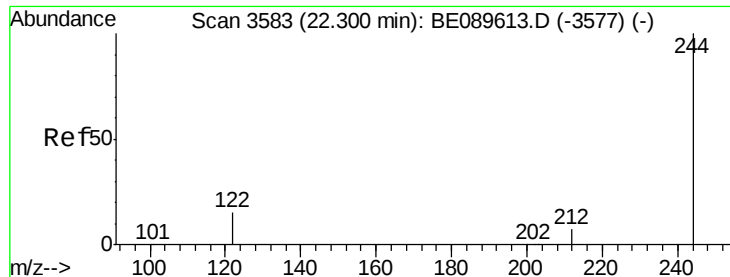


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#21

Terphenyl-d14

Concen: 1.60 ng

RT: 22.30 min Scan# 3585

Delta R.T. -0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDICC002

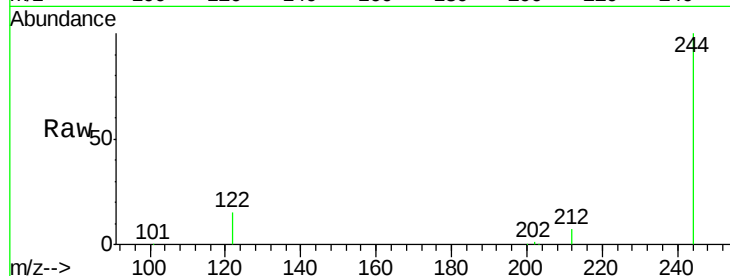
Tgt Ion:244 Resp: 56534

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

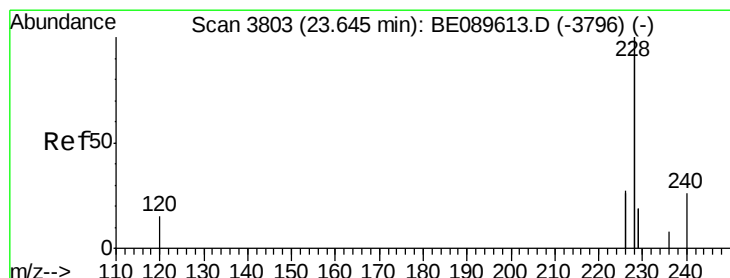
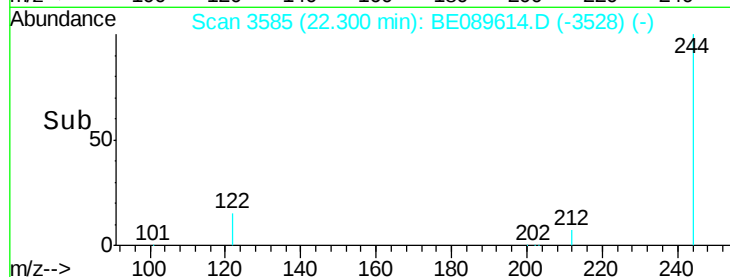
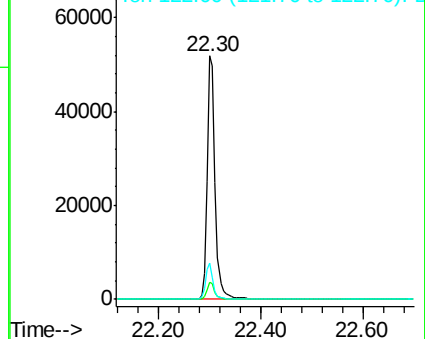
122 14.7 11.8 17.8



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: 1.81 ng

RT: 23.65 min Scan# 3805

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

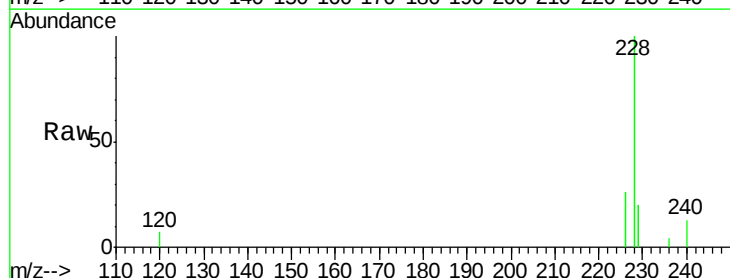
Tgt Ion:228 Resp: 355395

Ion Ratio Lower Upper

228 100

226 26.2 21.2 31.8

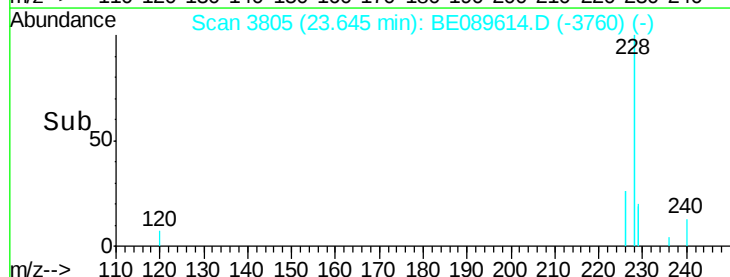
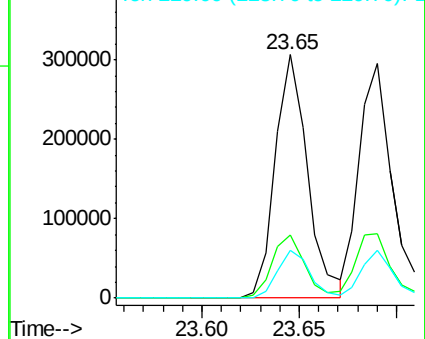
229 19.5 15.2 22.8

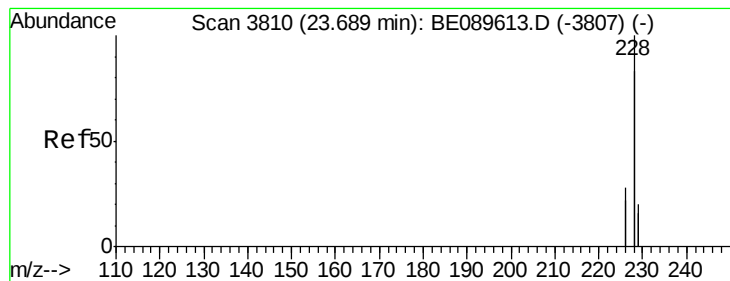


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 1.64 ng

RT: 23.69 min Scan# 3812

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDICC002

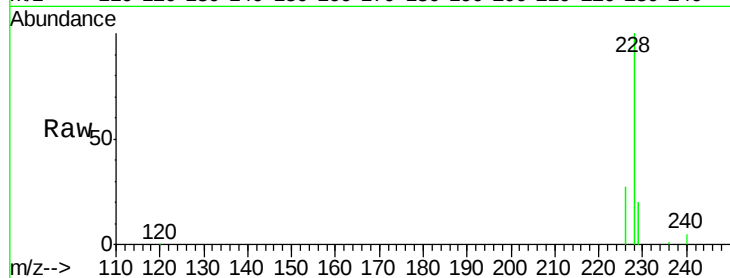
Tgt Ion: 228 Resp: 376260

Ion Ratio Lower Upper

228 100

226 27.2 22.2 33.4

229 20.3 16.0 24.0



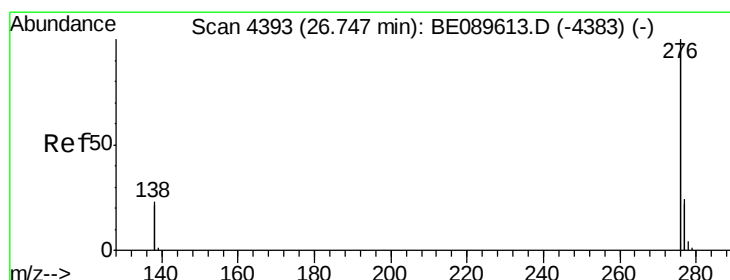
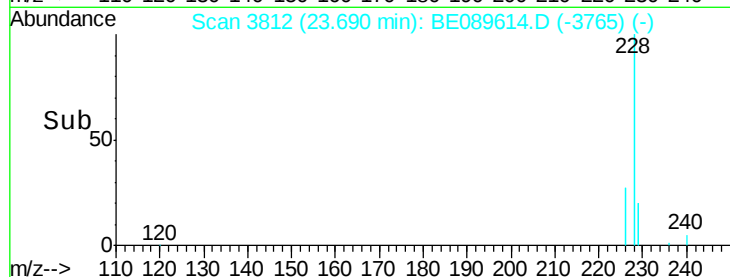
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

23.69

Time--> 23.60 23.80 24.00



#24

Indeno(1,2,3-cd)pyrene

Concen: 1.76 ng

RT: 26.75 min Scan# 4395

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

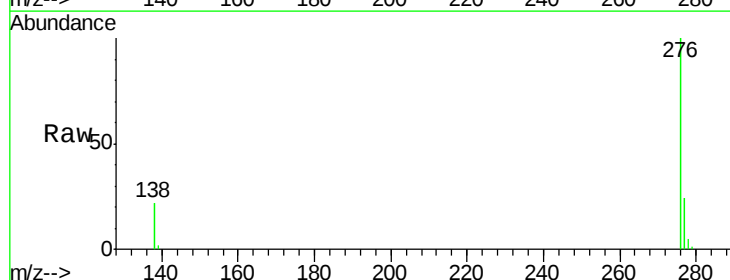
Tgt Ion: 276 Resp: 293068

Ion Ratio Lower Upper

276 100

138 26.7 21.4 32.2

277 24.9 19.9 29.9



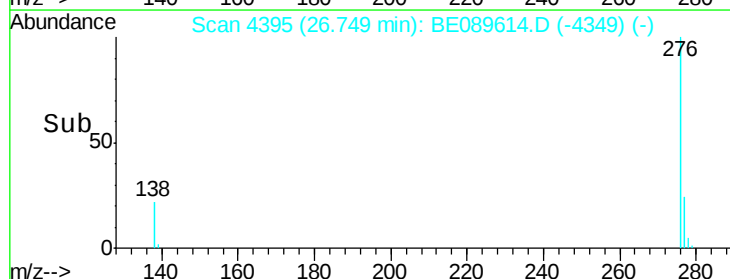
Abundance Ion 276.00 (275.70 to 276.70): E

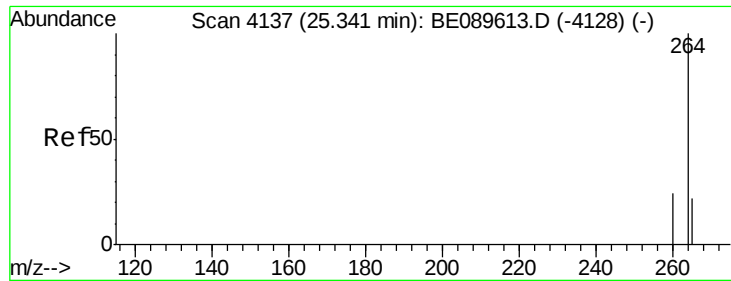
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

26.75

Time--> 26.60 26.80 27.00





#25

Perylene-d12

Concen: 5.00 ng

RT: 25.34 min Scan# 4139

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDICC002

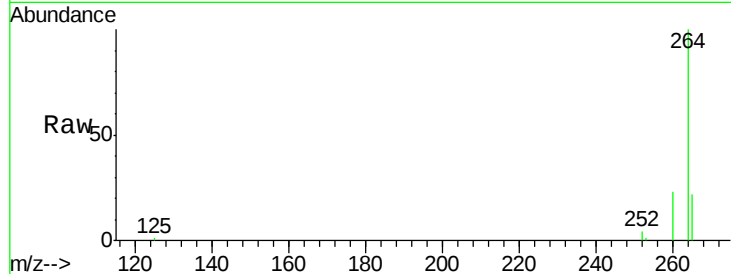
Tgt Ion:264 Resp: 163707

Ion Ratio Lower Upper

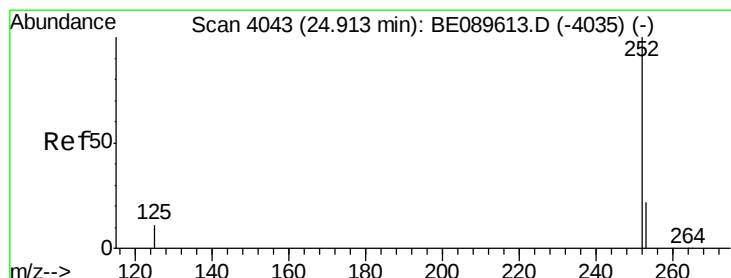
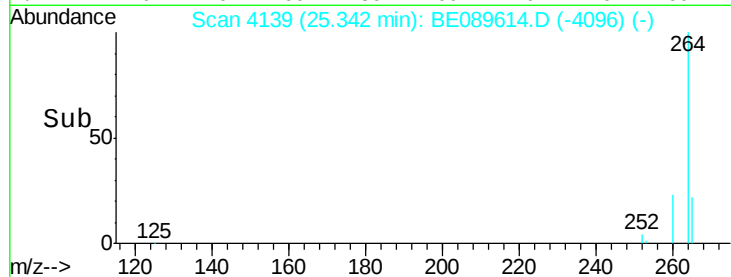
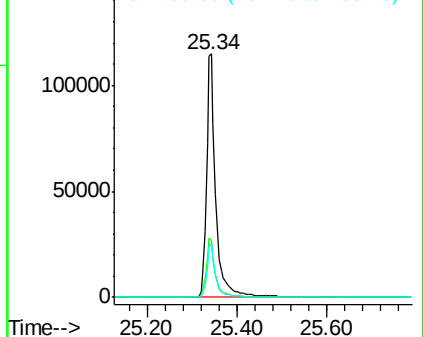
264 100

260 23.4 19.0 28.6

265 22.2 17.4 26.0



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#26

Benzo(b)fluoranthene

Concen: 1.87 ng

RT: 24.91 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

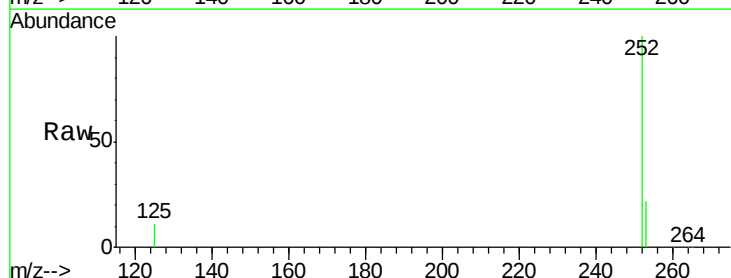
Tgt Ion:252 Resp: 60272

Ion Ratio Lower Upper

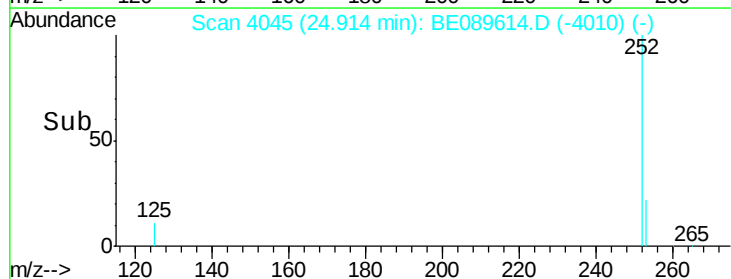
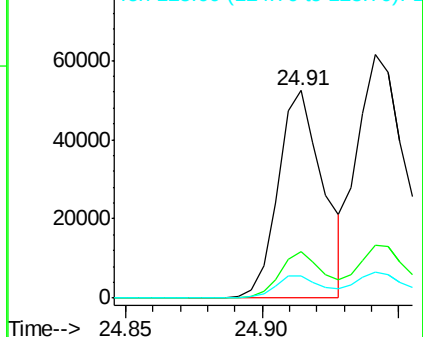
252 100

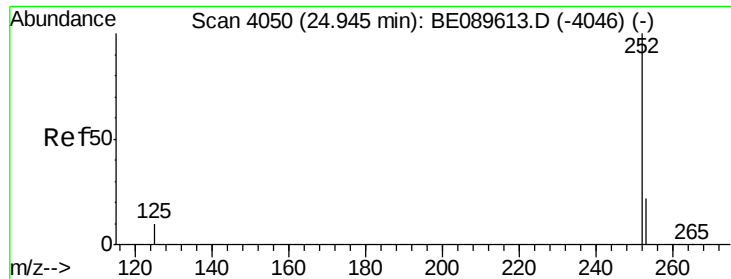
253 22.2 17.6 26.4

125 10.6 8.8 13.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#27

Benzo(k)fluoranthene

Concen: 1.89 ng

RT: 24.94 min Scan# 4051

Delta R.T. -0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDICC002

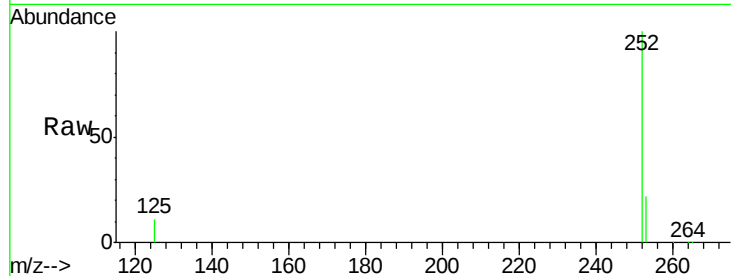
Tgt Ion:252 Resp: 99932

Ion Ratio Lower Upper

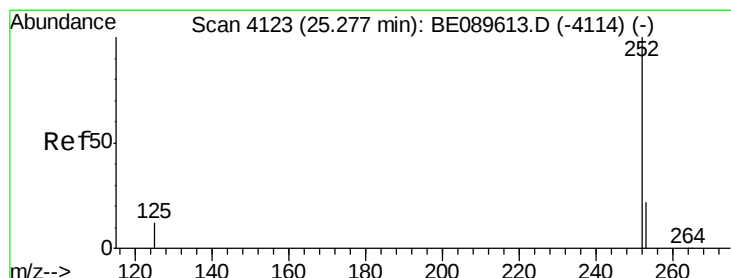
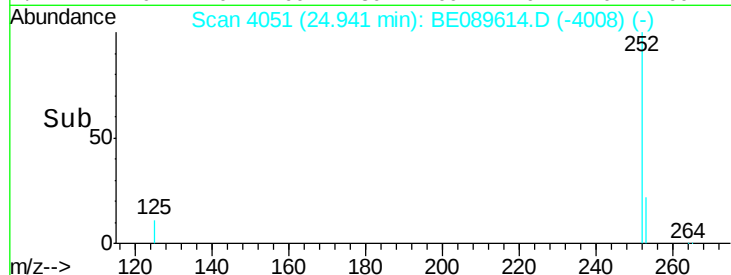
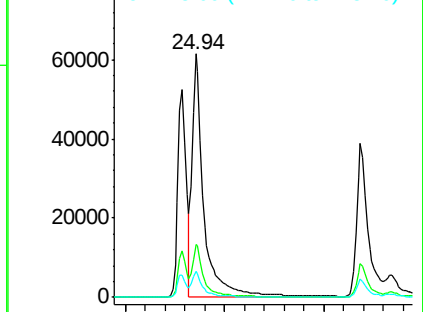
252 100

253 21.6 17.7 26.5

125 10.9 8.8 13.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#28

Benzo(a)pyrene

Concen: 1.89 ng

RT: 25.27 min Scan# 4124

Delta R.T. -0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

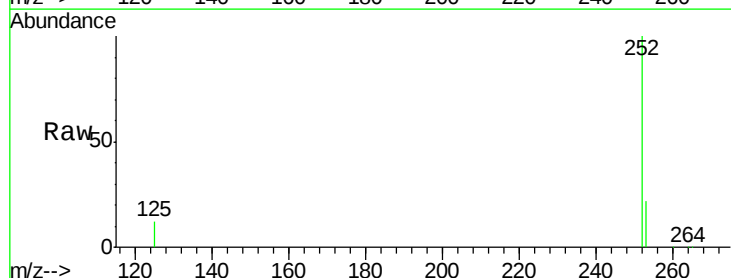
Tgt Ion:252 Resp: 59058

Ion Ratio Lower Upper

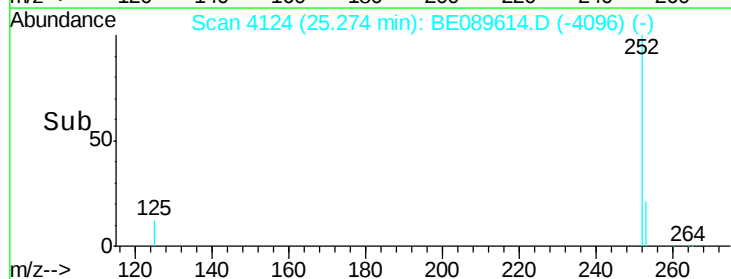
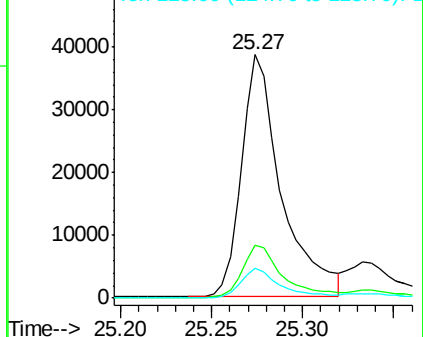
252 100

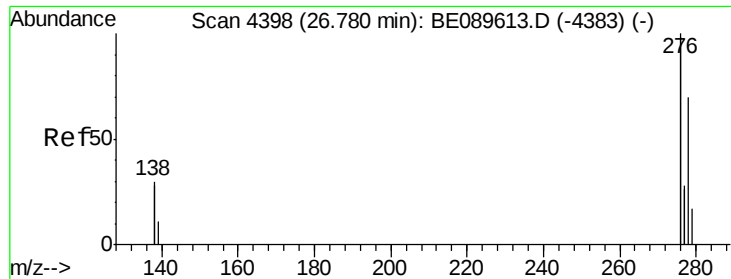
253 21.6 18.1 27.1

125 12.0 9.6 14.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#29

Dibenzo(a,h)anthracene

Concen: 1.82 ng

RT: 26.77 min Scan# 4399

Delta R.T. -0.01 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

Instrument :

BNA_E

LabSampleId :

SSTDICC002

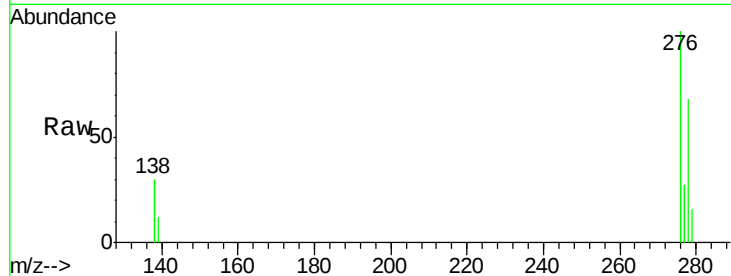
Tgt Ion:278 Resp: 57349

Ion Ratio Lower Upper

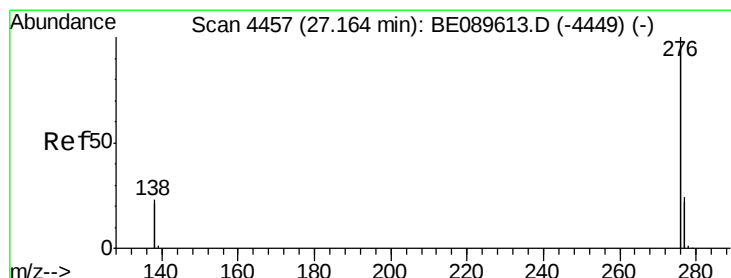
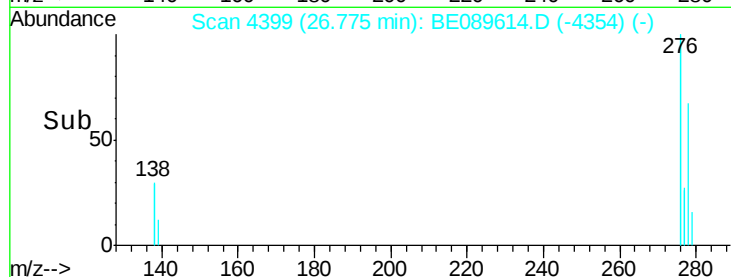
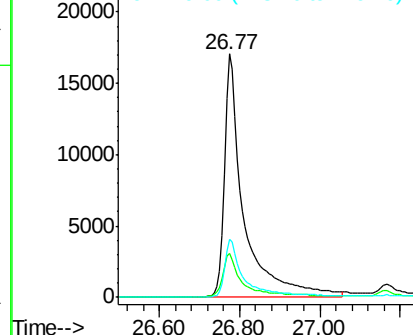
278 100

139 18.2 13.7 20.5

279 23.9 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: 1.70 ng

RT: 27.17 min Scan# 4459

Delta R.T. 0.00 min

Lab File: BE089614.D

Acq: 18 Feb 2015 4:09

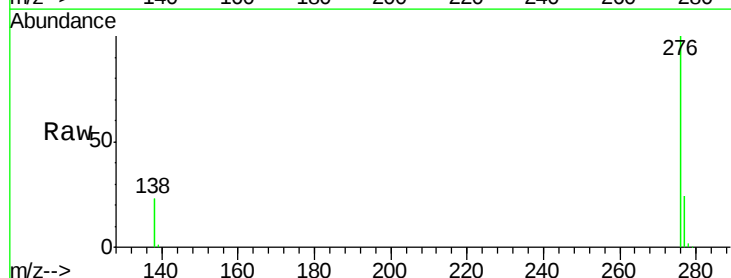
Tgt Ion:276 Resp: 260940

Ion Ratio Lower Upper

276 100

277 24.2 19.1 28.7

138 22.6 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

