

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE010715\
 Data File : BE089343.D
 Acq On : 7 Jan 2015 23:46
 Operator : TP/IZ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

Quant Time: Jan 08 05:29:38 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BASE-BE010715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 08 05:21:18 2015
 Response via : Initial Calibration

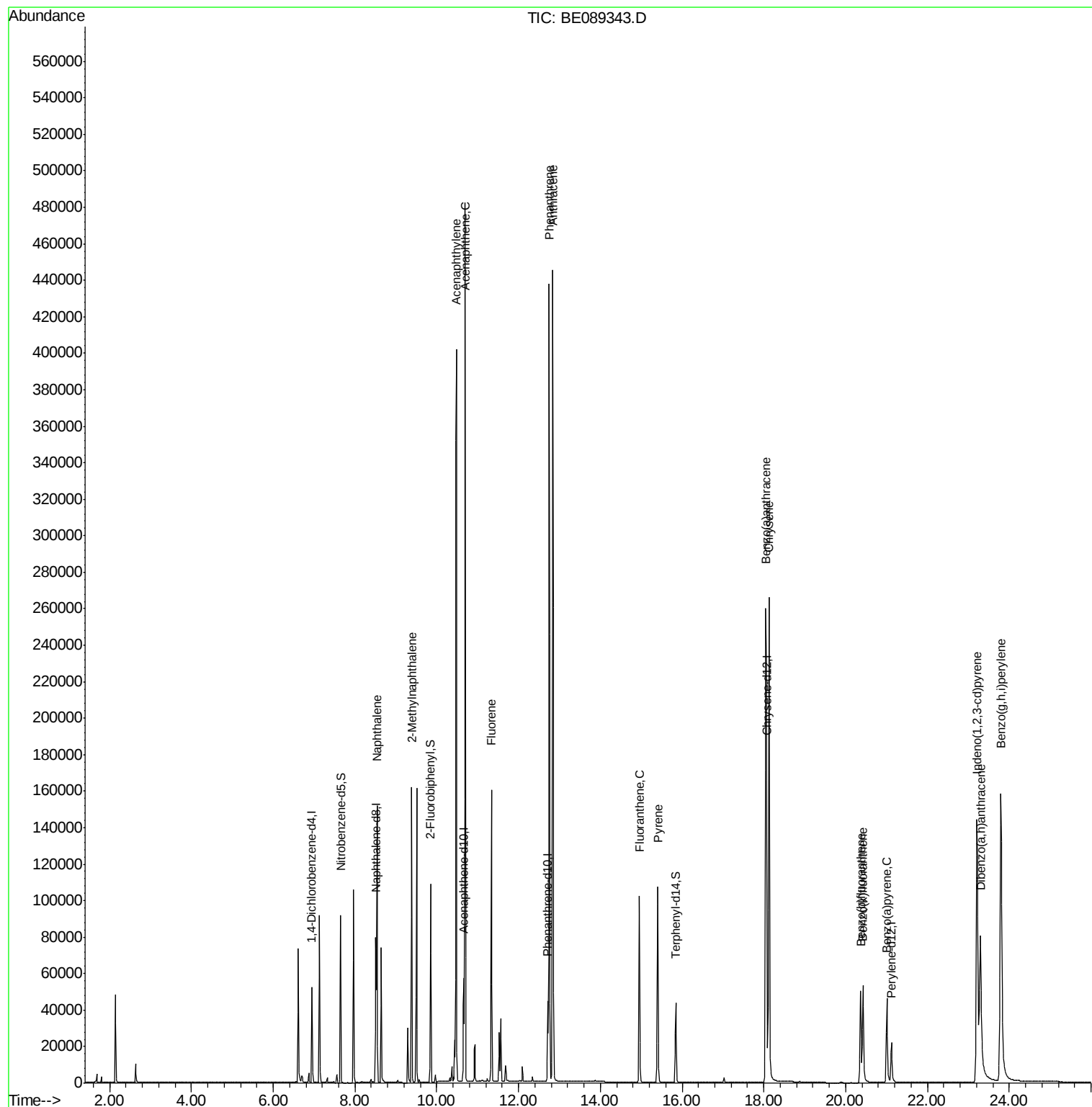
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	16786	5.00	ng	0.00
2) Naphthalene-d8	8.51	136	64004	5.00	ng	0.00
6) Acenaphthene-d10	10.66	164	28182	5.00	ng	0.00
11) Phenanthrene-d10	12.72	188	44256	5.00	ng	0.00
15) Chrysene-d12	18.07	240	34084	5.00	ng	0.00
21) Perylene-d12	21.12	264	31179	5.00	ng	0.00
System Monitoring Compounds						
3) Nitrobenzene-d5	7.65	82	46523	11.53	ng	0.00
7) 2-Fluorobiphenyl	9.85	172	71486	9.75	ng	0.00
17) Terphenyl-d14	15.85	244	56623	11.25	ng	0.00
Target Compounds						Qvalue
4) Naphthalene	8.54	128	132206	10.30	ng	99
5) 2-Methylnaphthalene	9.39	142	82279	10.72	ng	97
8) Acenaphthylene	10.48	152	467431	11.71	ng	# 94
9) Acenaphthene	10.69	154	65765	10.61	ng	# 75
10) Fluorene	11.34	166	74678	11.03	ng	100
12) Phenanthrene	12.75	178	421079	10.28	ng	100
13) Anthracene	12.84	178	430395	11.49	ng	100
14) Fluoranthene	14.96	202	100834	11.44	ng	98
16) Pyrene	15.41	202	106590	12.78	ng	99
18) Benzo(a)anthracene	18.05	228	339598	12.08	ng	99
19) Chrysene	18.13	228	328203	11.25	ng	98
20) Indeno(1,2,3-cd)pyrene	23.22	276	256823	9.17	ng	98
22) Benzo(b)fluoranthene	20.37	252	73328	11.84	ng	98
23) Benzo(k)fluoranthene	20.42	252	83452	10.46	ng	98
24) Benzo(a)pyrene	21.01	252	74690	12.72	ng	97
25) Dibenzo(a,h)anthracene	23.30	278	68776	11.13	ng	95
26) Benzo(g,h,i)perylene	23.80	276	322505	11.56	ng	98

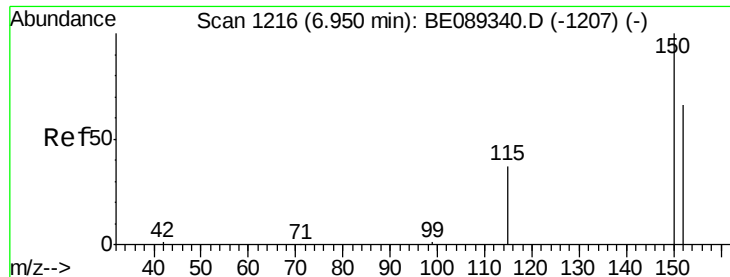
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 6.95 min Scan# 1217

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDICC010

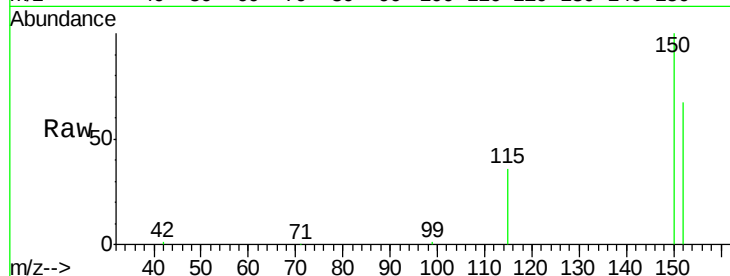
Tgt Ion:152 Resp: 16786

Ion Ratio Lower Upper

152 100

150 149.8 121.5 182.3

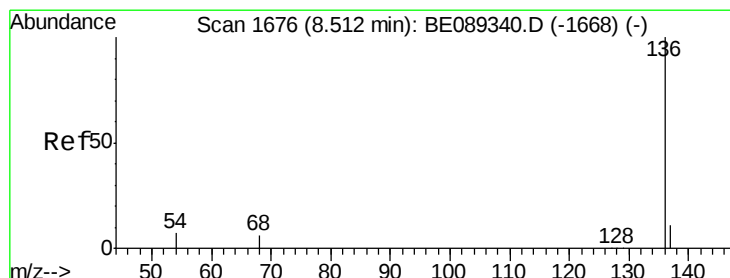
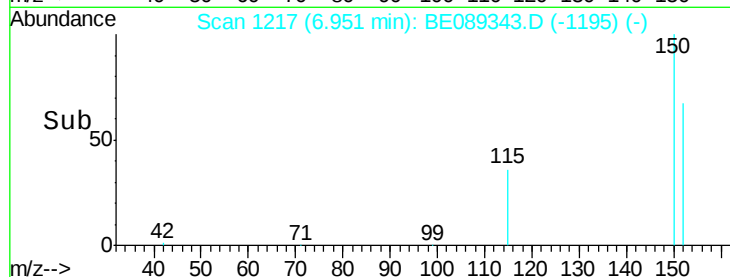
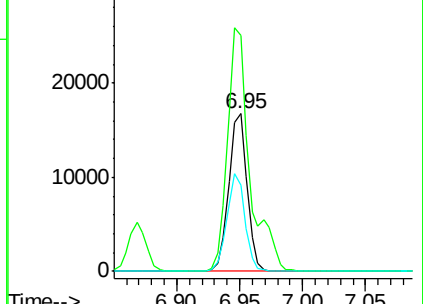
115 54.5 45.2 67.8



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

Naphthalene-d8

Concen: 5.00 ng

RT: 8.51 min Scan# 1676

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Tgt Ion:136 Resp: 64004

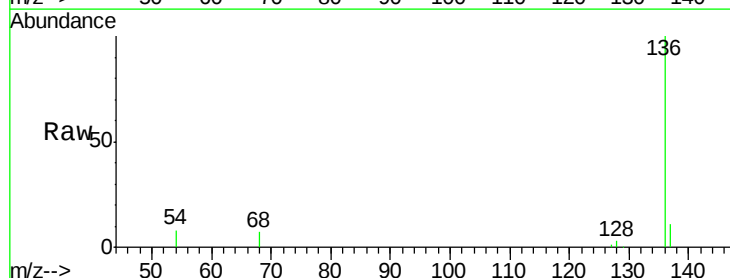
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 8.2 5.4 8.0#

68 7.0 4.7 7.1

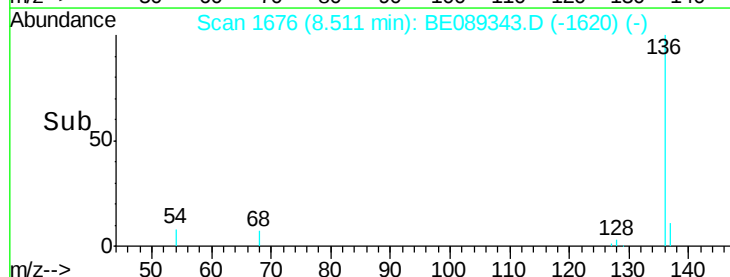
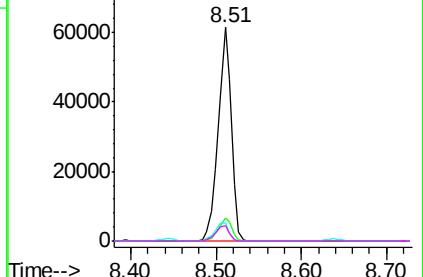


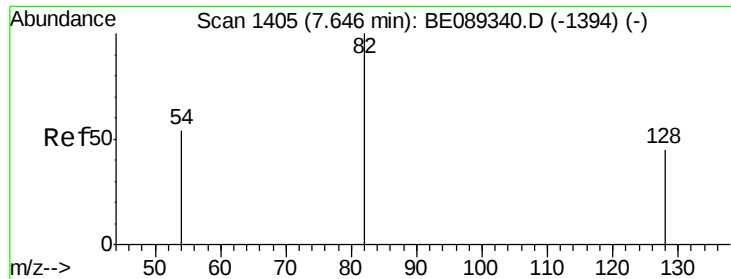
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0





#3

Nitrobenzene-d5

Concen: 11.53 ng

RT: 7.65 min Scan# 1406

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

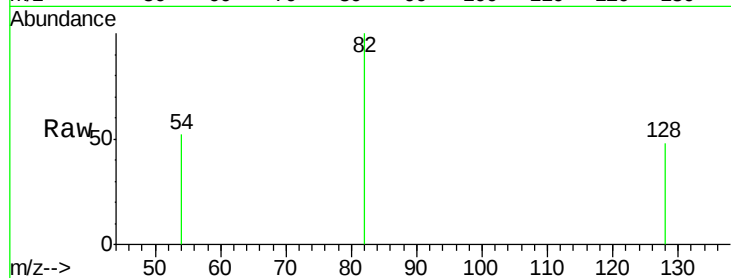
Tgt Ion: 82 Resp: 46523

Ion Ratio Lower Upper

82 100

128 47.6 36.5 54.7

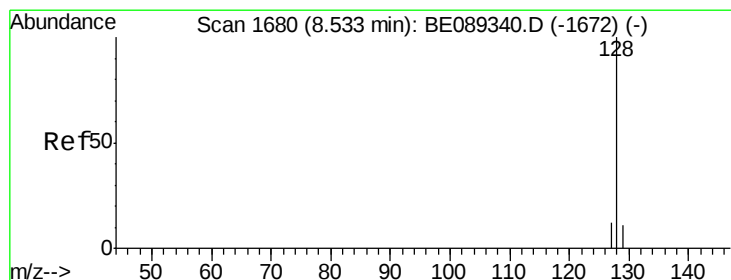
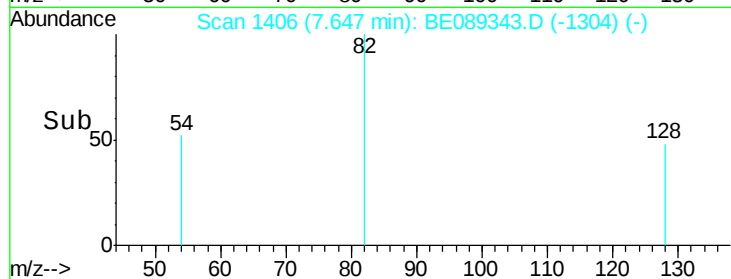
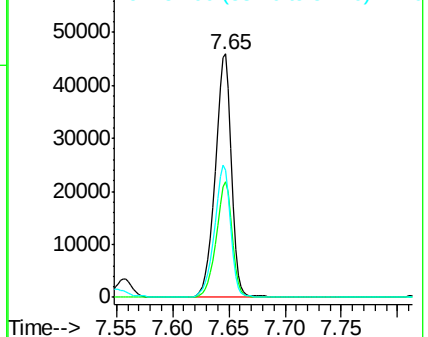
54 52.2 43.5 65.3



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



#4

Naphthalene

Concen: 10.30 ng

RT: 8.54 min Scan# 1681

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

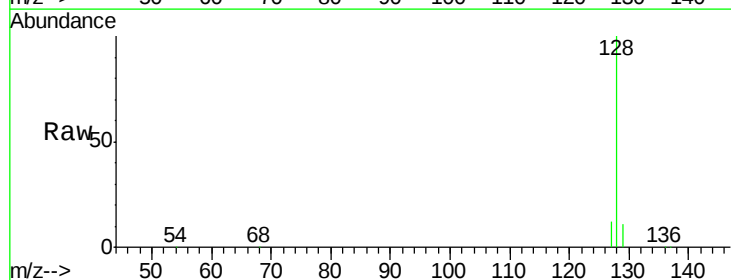
Tgt Ion: 128 Resp: 132206

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

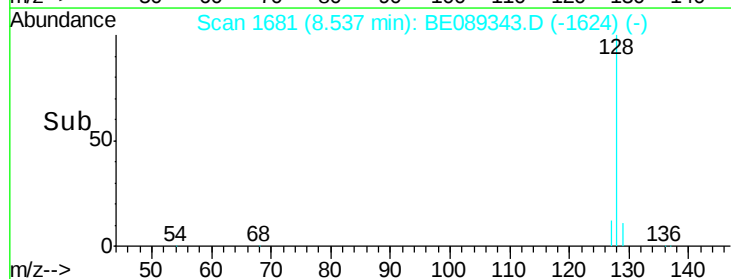
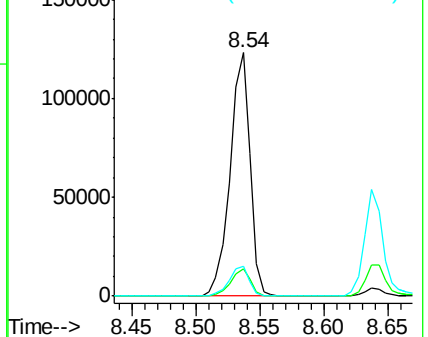
127 12.1 10.0 15.0

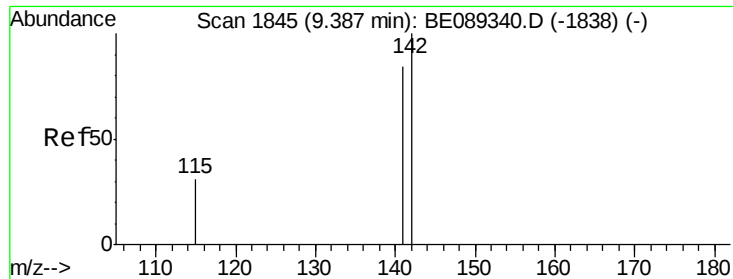


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

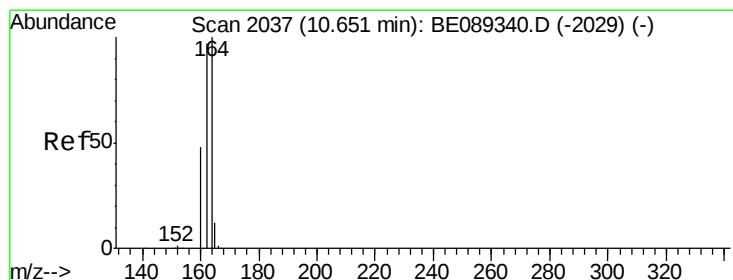
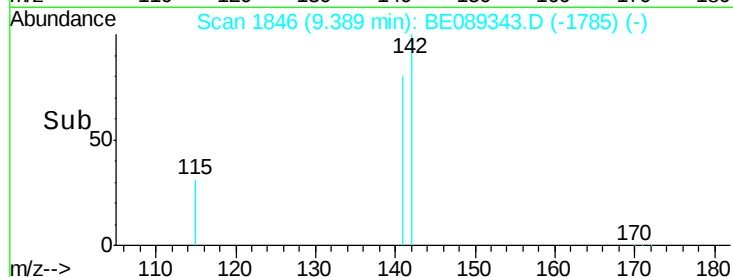
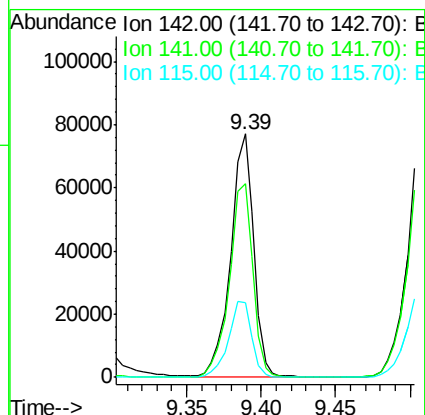
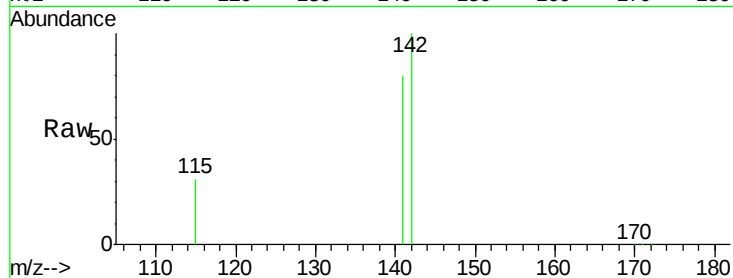




#5
2-Methylnaphthalene
Concen: 10.72 ng
RT: 9.39 min Scan# 1846
Delta R.T. 0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

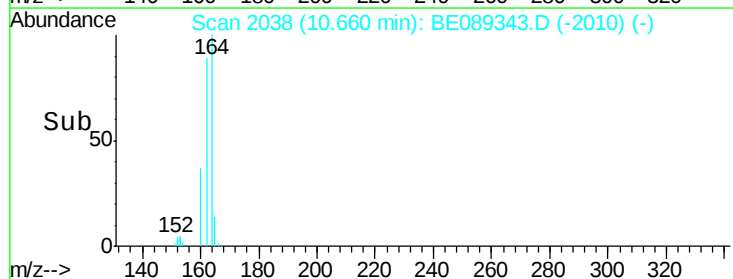
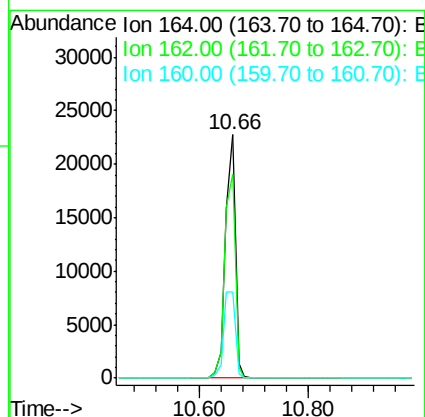
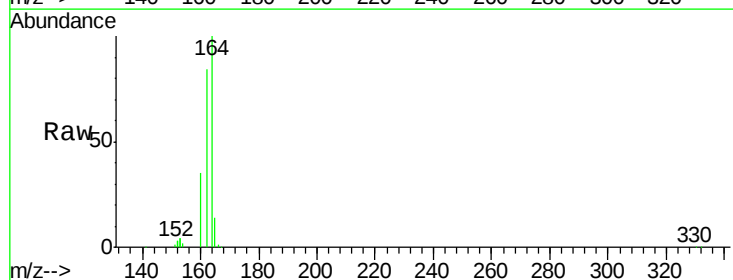
Instrument :
BNA_E
LabSampleId :
SSTDIC010

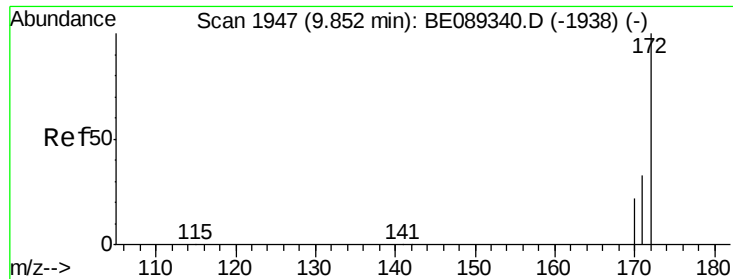
Tgt Ion:142 Resp: 82279
Ion Ratio Lower Upper
142 100
141 79.7 66.3 99.5
115 30.5 25.2 37.8



#6
Acenaphthene-d10
Concen: 5.00 ng
RT: 10.66 min Scan# 2038
Delta R.T. 0.01 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

Tgt Ion:164 Resp: 28182
Ion Ratio Lower Upper
164 100
162 84.0 77.4 116.2
160 35.1 38.2 57.4#





#7

2-Fluorobiphenyl

Concen: 9.75 ng

RT: 9.85 min Scan# 1948

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

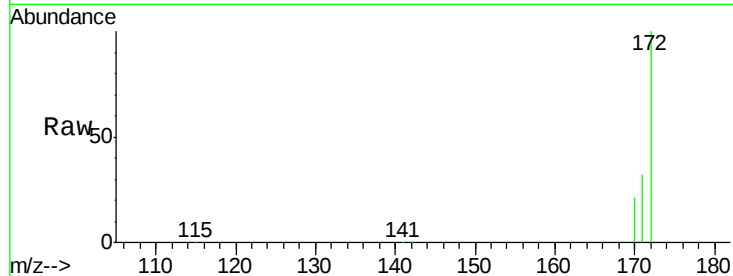
Tgt Ion:172 Resp: 71486

Ion Ratio Lower Upper

172 100

171 31.8 26.4 39.6

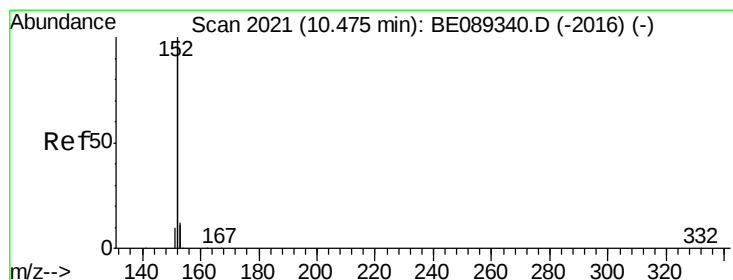
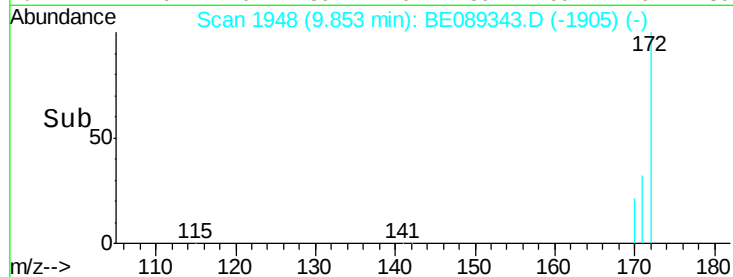
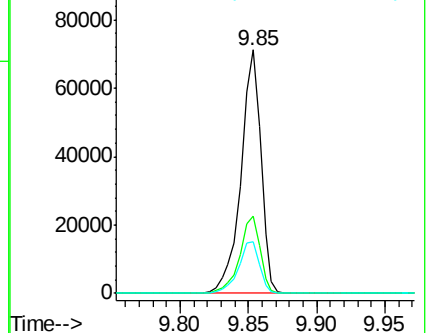
170 21.0 18.0 27.0



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



#8

Acenaphthylene

Concen: 11.71 ng

RT: 10.48 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

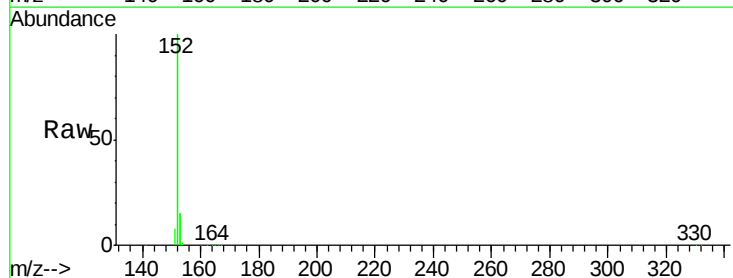
Tgt Ion:152 Resp: 467431

Ion Ratio Lower Upper

152 100

151 4.0 4.1 6.1#

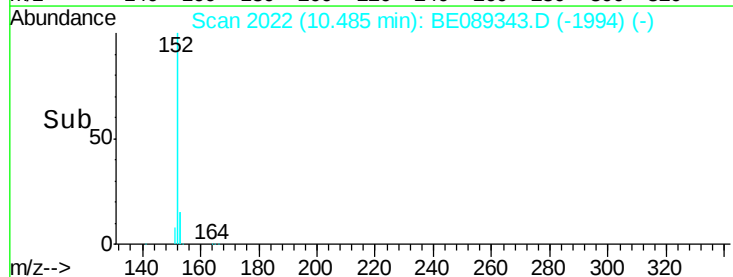
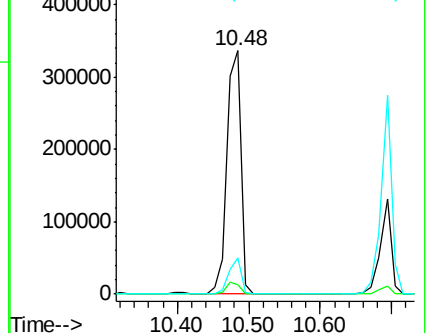
153 15.0 9.8 14.6#

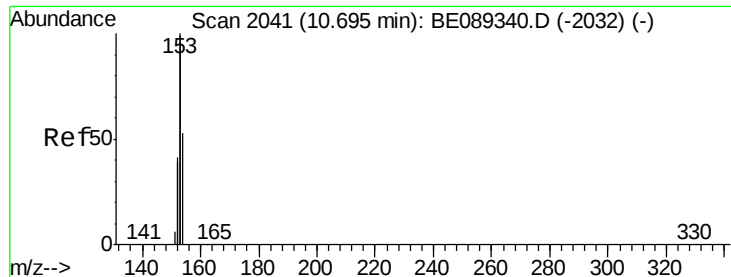


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 10.61 ng

RT: 10.69 min Scan# 2041

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

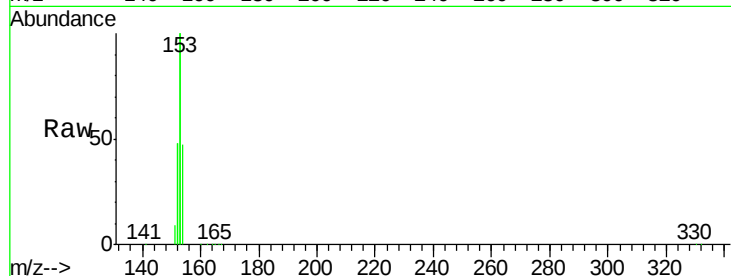
Tgt Ion:154 Resp: 65765

Ion Ratio Lower Upper

154 100

153 421.7 300.6 450.8

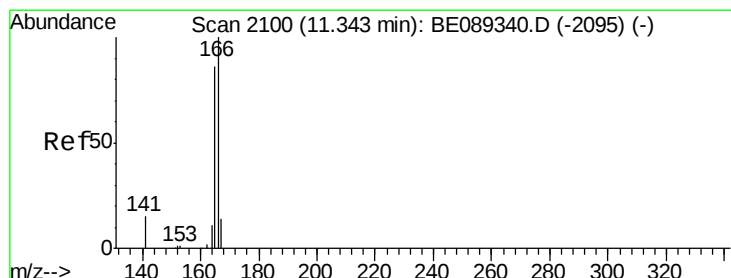
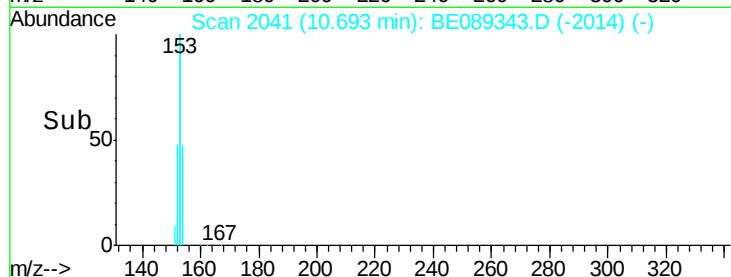
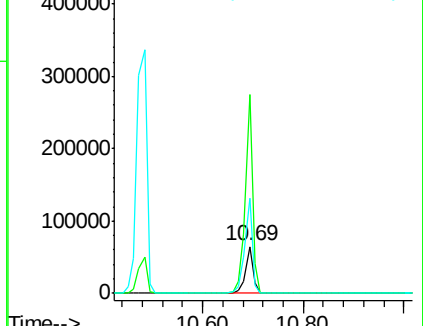
152 200.9 123.3 184.9#



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



#10

Fluorene

Concen: 11.03 ng

RT: 11.34 min Scan# 2100

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

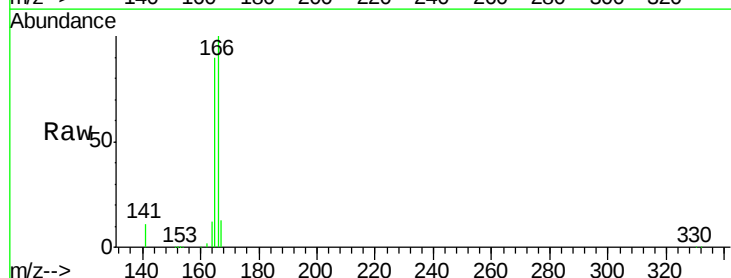
Tgt Ion:166 Resp: 74678

Ion Ratio Lower Upper

166 100

165 90.2 72.1 108.1

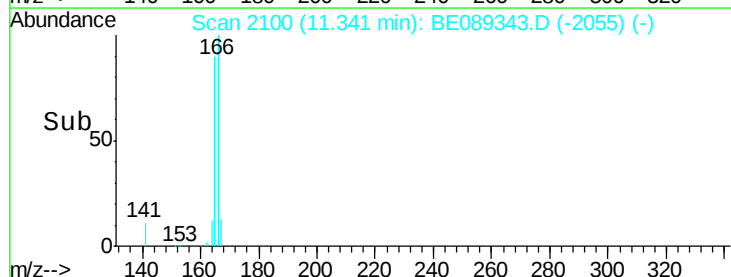
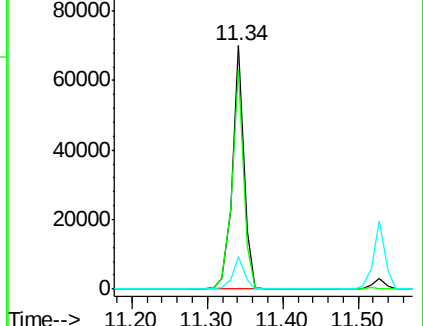
167 13.5 11.0 16.4

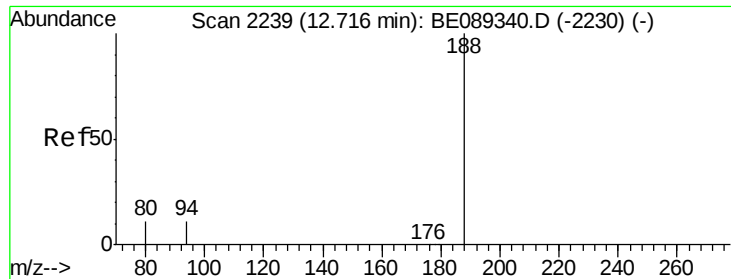


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

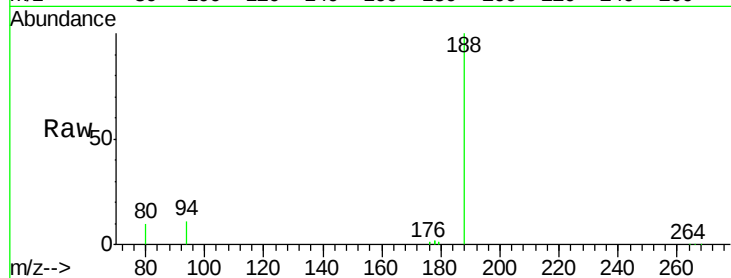




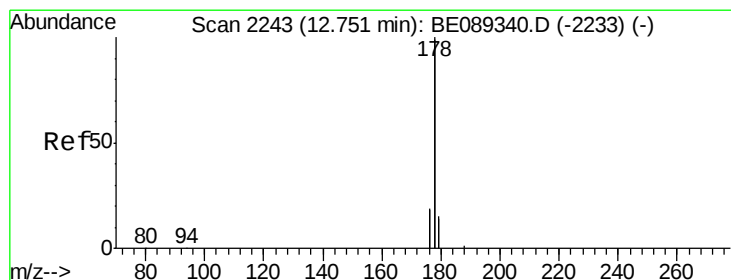
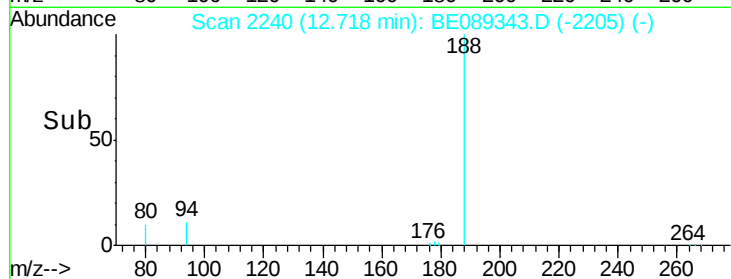
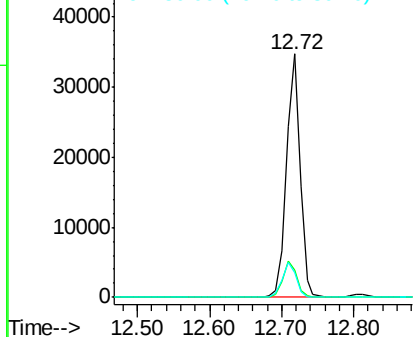
#11
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.72 min Scan# 2240
Delta R.T. 0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

Instrument :
BNA_E
LabSampleId :
SSTDIC010

Tgt Ion:188 Resp: 44256
Ion Ratio Lower Upper
188 100
94 11.4 11.0 12.2
80 10.3 10.1 11.1

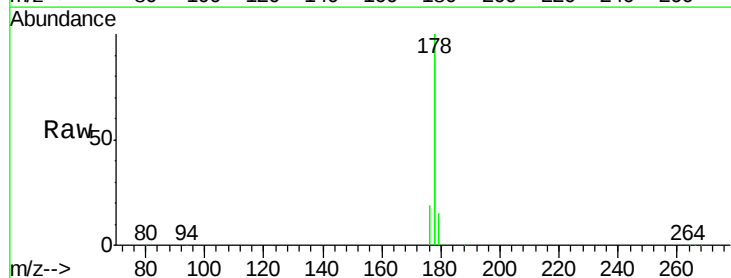


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

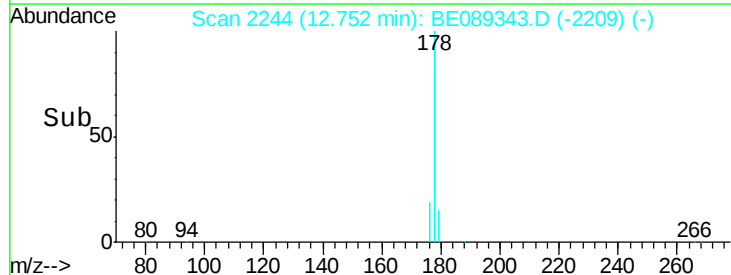
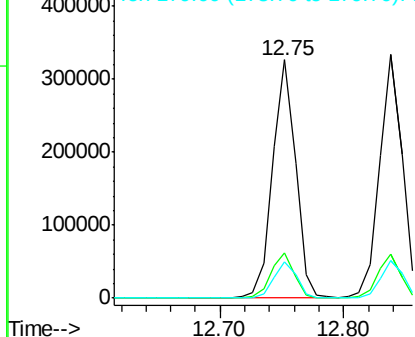


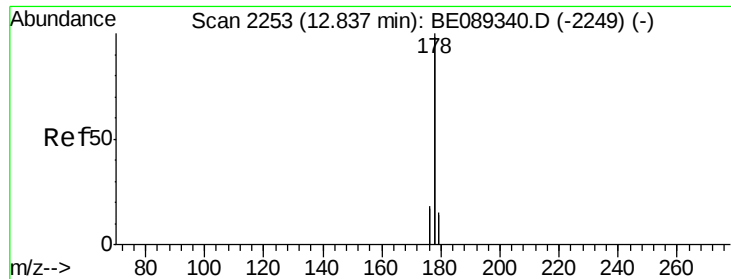
#12
Phenanthrene
Concen: 10.28 ng
RT: 12.75 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BE089343.D
Acq: 7 Jan 2015 23:46

Tgt Ion:178 Resp: 421079
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.2 12.2 18.2



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





#13

Anthracene

Concen: 11.49 ng

RT: 12.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

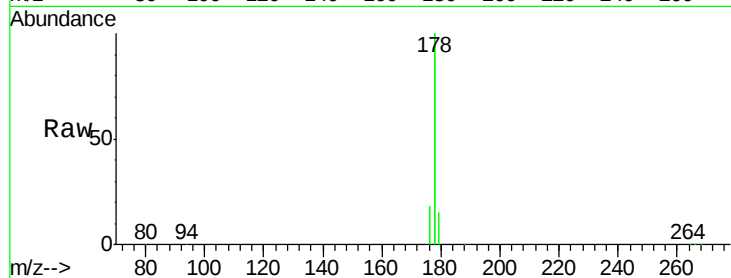
Tgt Ion:178 Resp: 430395

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

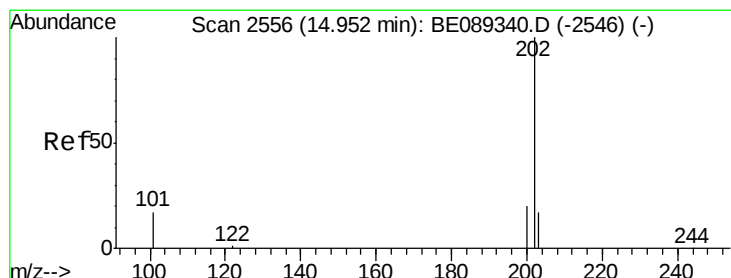
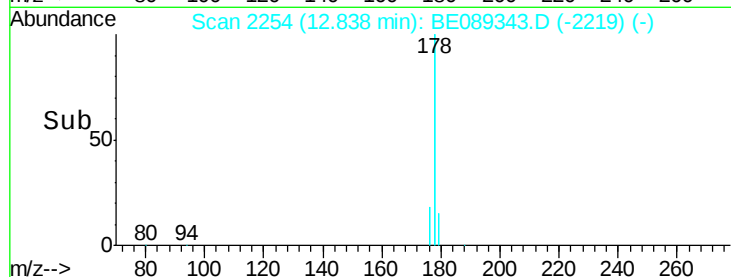
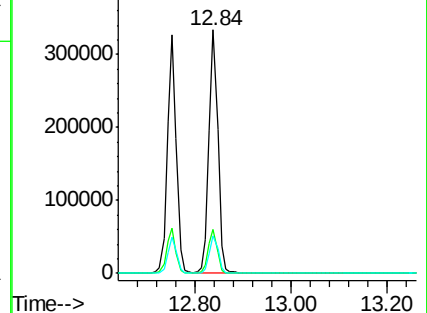
179 15.2 12.0 18.0



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



#14

Fluoranthene

Concen: 11.44 ng

RT: 14.96 min Scan# 2558

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

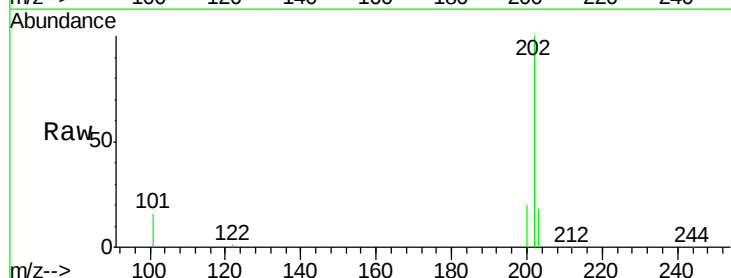
Tgt Ion:202 Resp: 100834

Ion Ratio Lower Upper

202 100

101 16.2 0.0 37.9

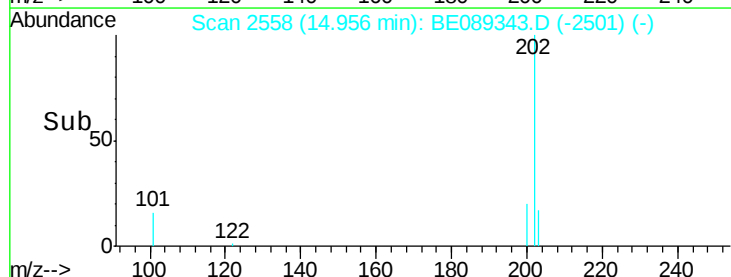
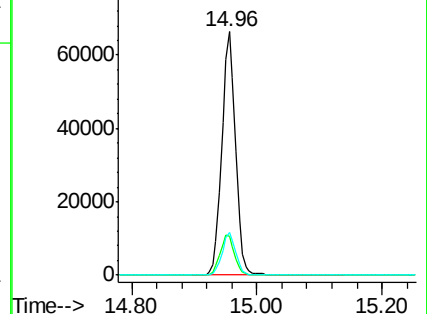
203 17.5 0.0 37.5

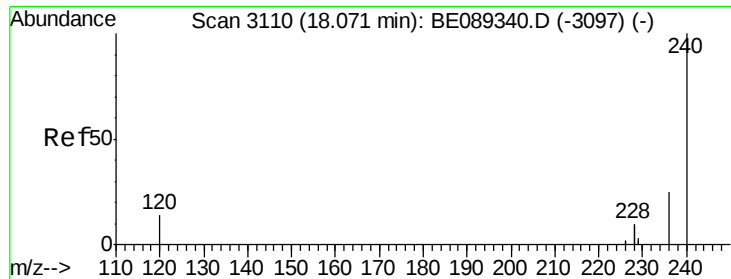


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#15

Chrysene-d12

Concen: 5.00 ng

RT: 18.07 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

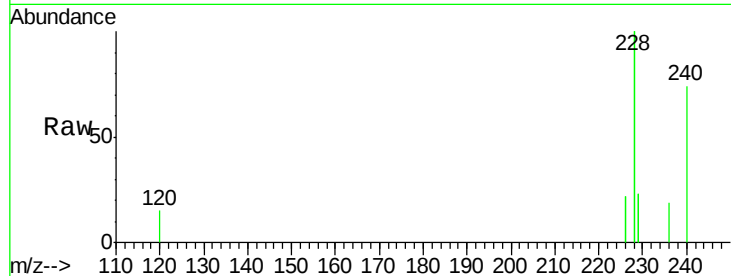
Tgt Ion:240 Resp: 34084

Ion Ratio Lower Upper

240 100

120 20.1 11.8 17.6#

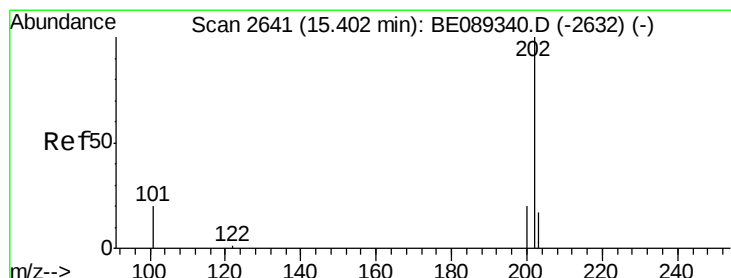
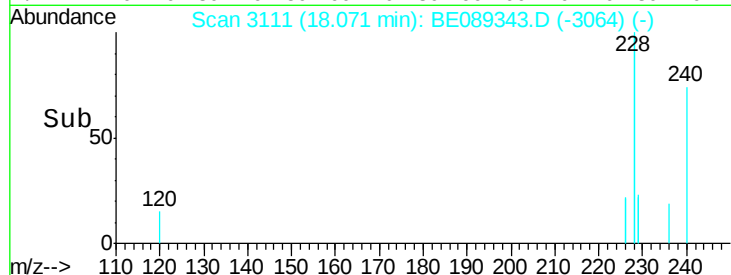
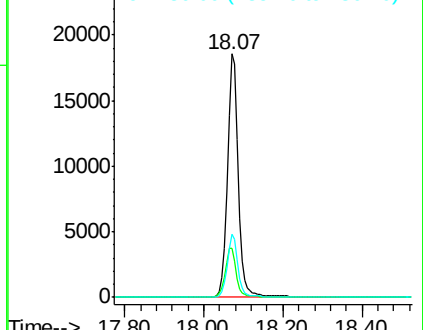
236 26.1 20.0 30.0



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



#16

Pyrene

Concen: 12.78 ng

RT: 15.41 min Scan# 2643

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

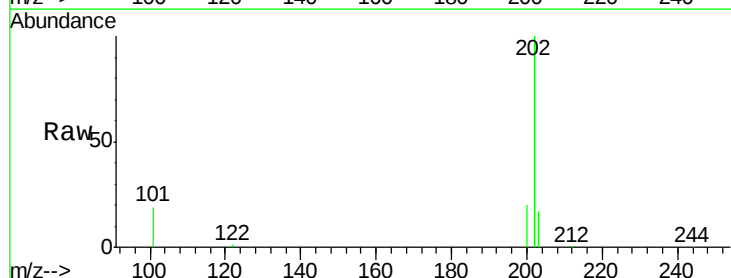
Tgt Ion:202 Resp: 106590

Ion Ratio Lower Upper

202 100

200 20.2 16.8 25.2

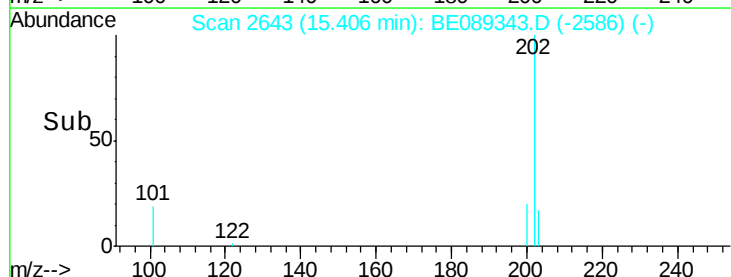
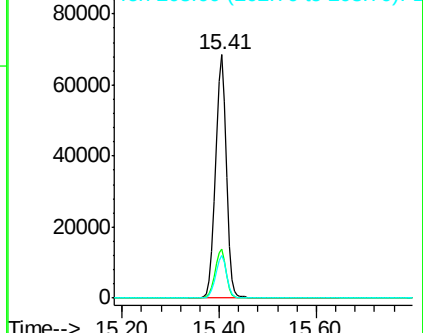
203 17.4 14.0 21.0

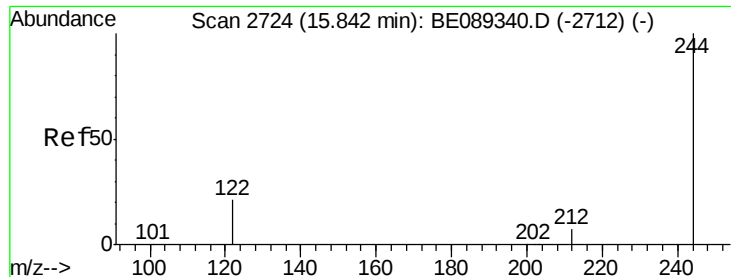


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

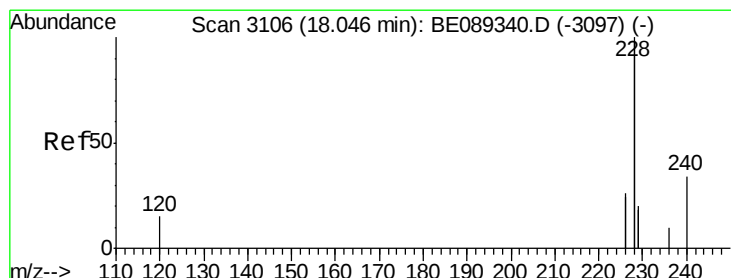
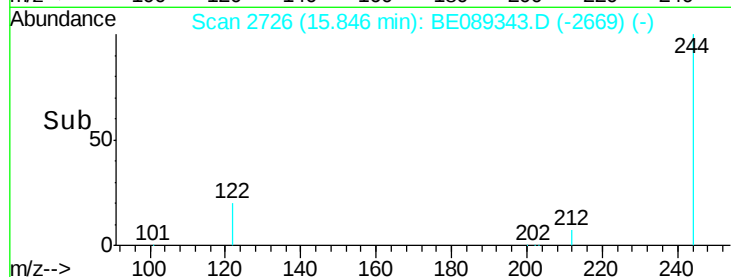
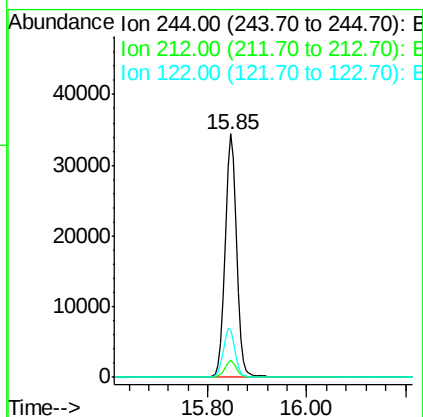
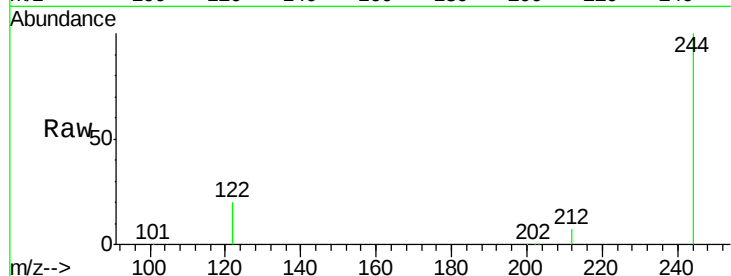




#17
 Terphenyl-d14
 Concen: 11.25 ng
 RT: 15.85 min Scan# 2726
 Delta R.T. 0.00 min
 Lab File: BE089343.D
 Acq: 7 Jan 2015 23:46

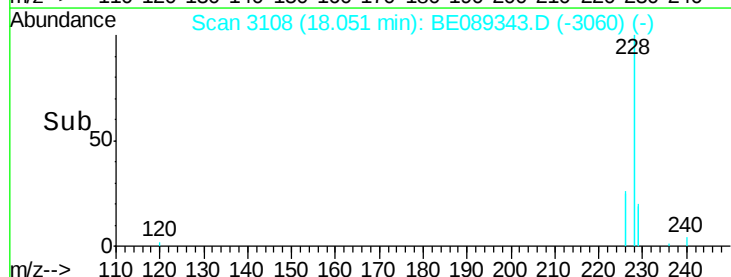
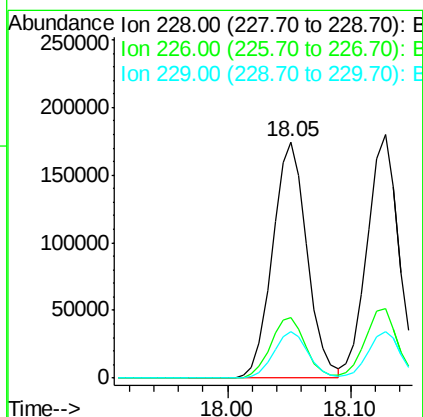
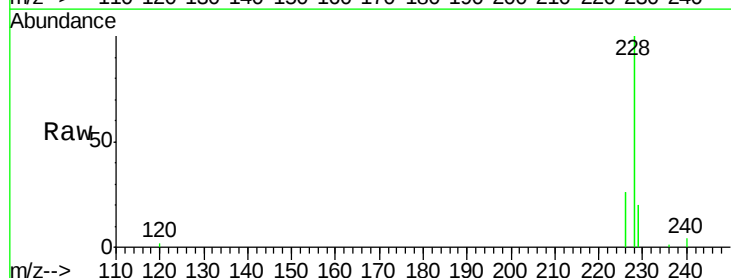
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC010

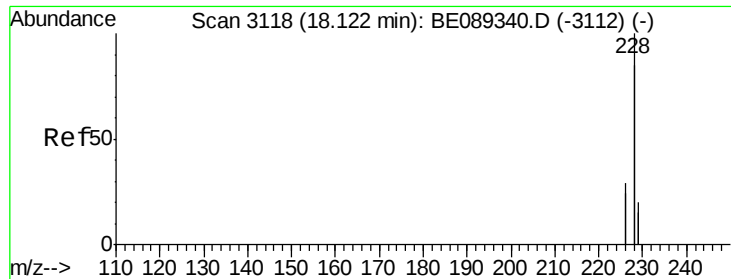
Tgt Ion:244 Resp: 56623
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.3 9.5
 122 19.8 17.7 26.5



#18
 Benzo(a)anthracene
 Concen: 12.08 ng
 RT: 18.05 min Scan# 3108
 Delta R.T. 0.01 min
 Lab File: BE089343.D
 Acq: 7 Jan 2015 23:46

Tgt Ion:228 Resp: 339598
 Ion Ratio Lower Upper
 228 100
 226 25.7 21.0 31.6
 229 19.7 16.0 24.0





#19

Chrysene

Concen: 11.25 ng

RT: 18.13 min Scan# 3120

Delta R.T. 0.01 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

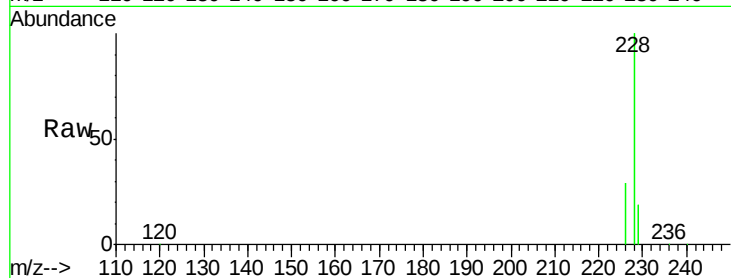
Tgt Ion: 228 Resp: 328203

Ion Ratio Lower Upper

228 100

226 28.5 23.5 35.3

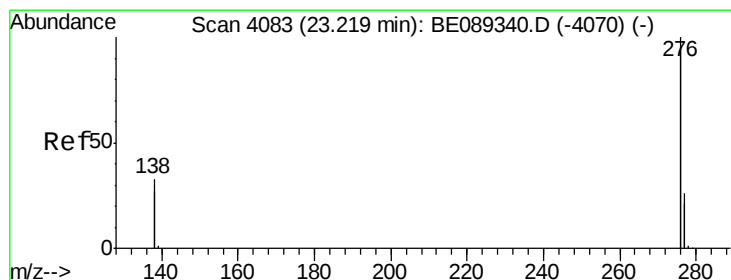
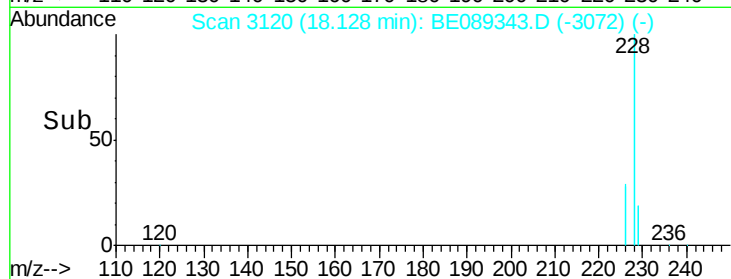
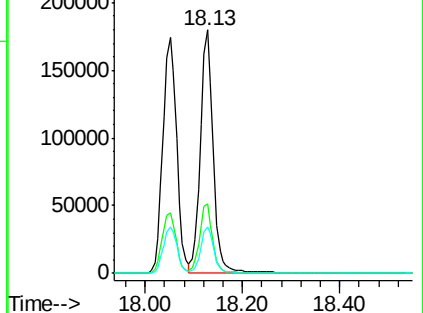
229 19.3 16.1 24.1



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



#20

Indeno(1,2,3-cd)pyrene

Concen: 9.17 ng

RT: 23.22 min Scan# 4084

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

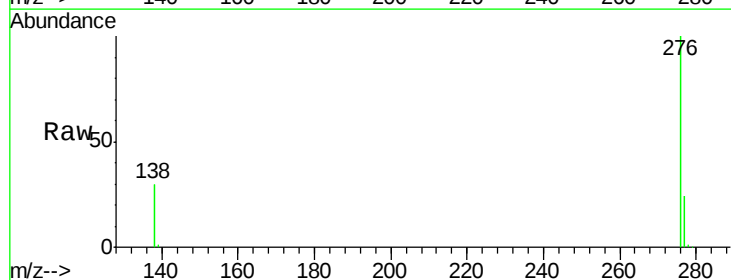
Tgt Ion: 276 Resp: 256823

Ion Ratio Lower Upper

276 100

138 30.9 23.8 35.8

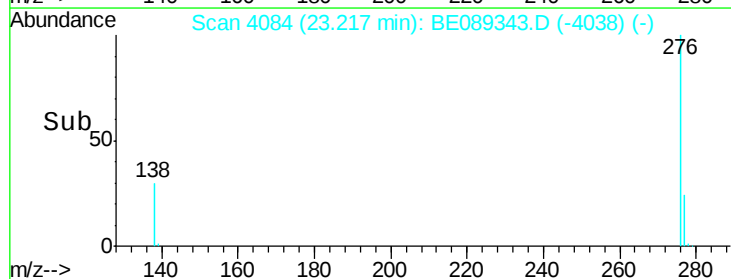
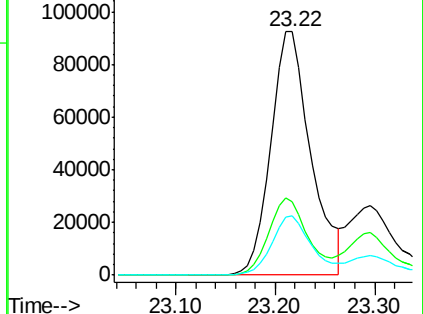
277 23.8 18.2 27.4

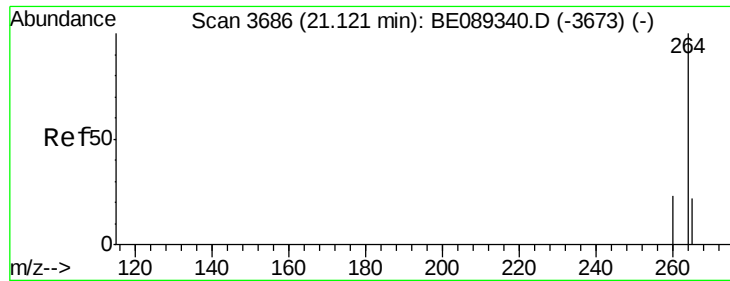


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#21

Perylene-d12

Concen: 5.00 ng

RT: 21.12 min Scan# 3687

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

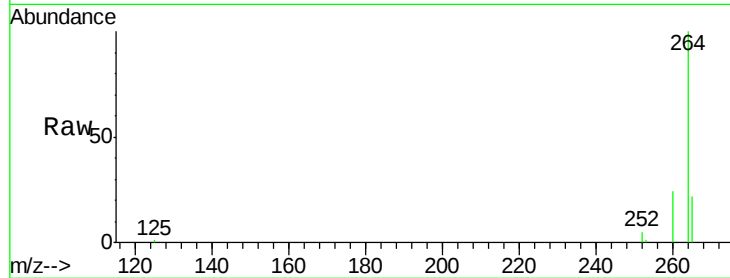
Tgt Ion:264 Resp: 31179

Ion Ratio Lower Upper

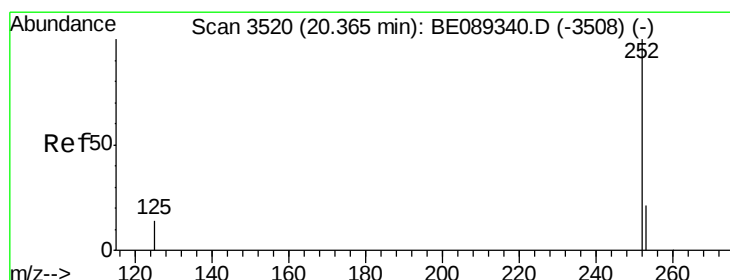
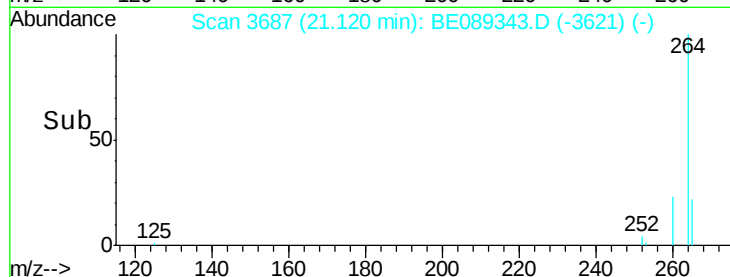
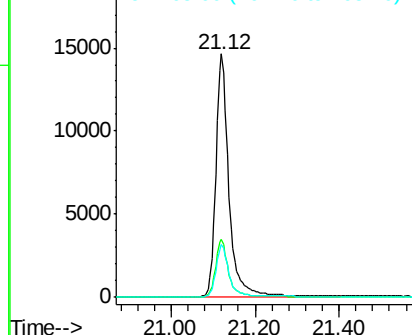
264 100

260 23.7 18.9 28.3

265 21.9 17.4 26.2



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



#22

Benzo(b)fluoranthene

Concen: 11.84 ng

RT: 20.37 min Scan# 3522

Delta R.T. 0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

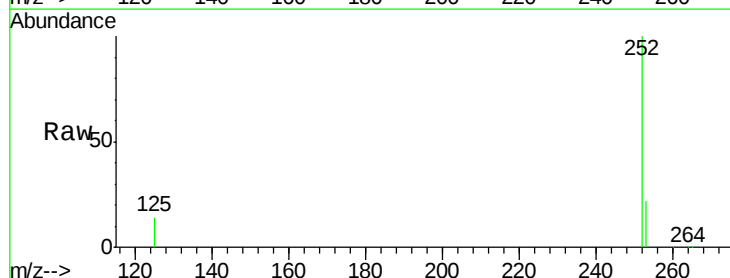
Tgt Ion:252 Resp: 73328

Ion Ratio Lower Upper

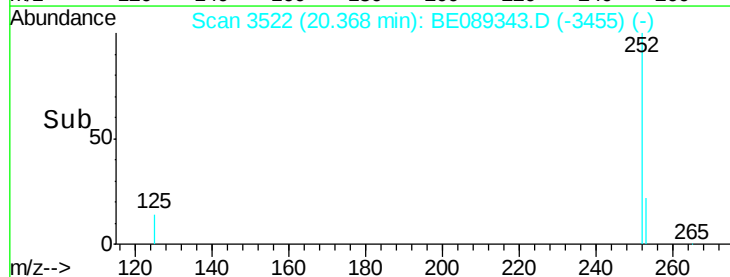
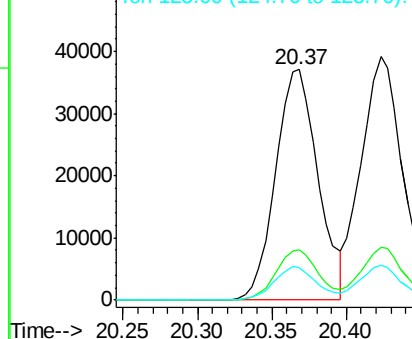
252 100

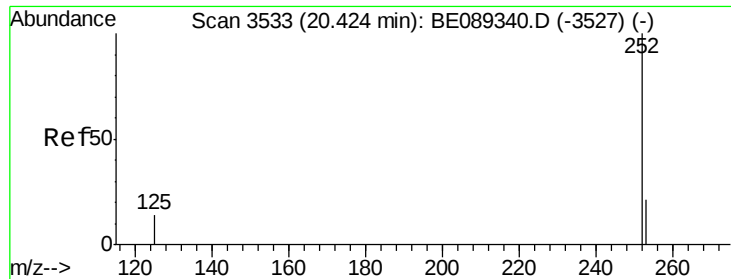
253 22.1 17.8 26.6

125 14.0 12.6 18.8



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





#23

Benzo(k)fluoranthene

Concen: 10.46 ng

RT: 20.42 min Scan# 3534

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

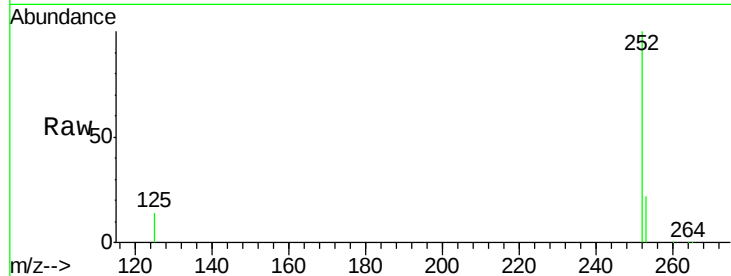
Tgt Ion:252 Resp: 83452

Ion Ratio Lower Upper

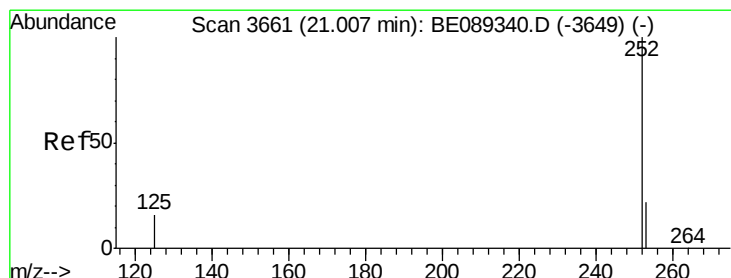
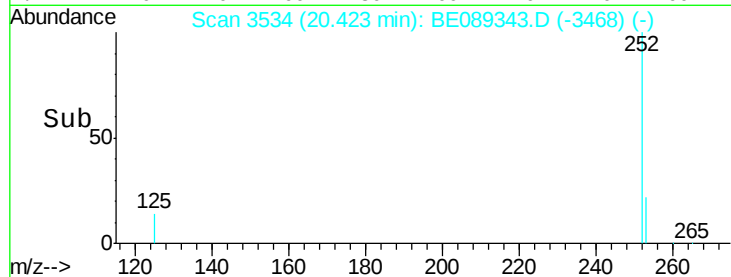
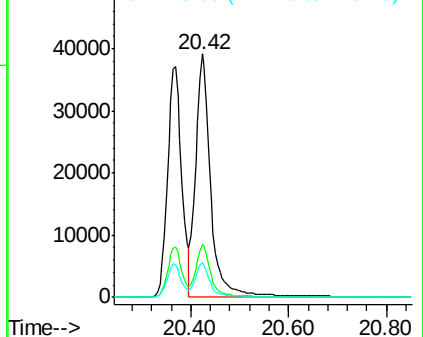
252 100

253 21.8 18.0 27.0

125 14.2 12.4 18.6



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



#24

Benzo(a)pyrene

Concen: 12.72 ng

RT: 21.01 min Scan# 3662

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

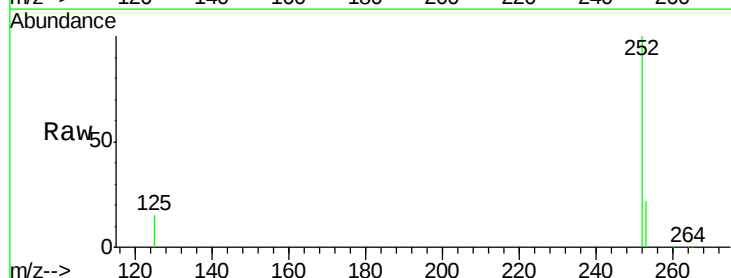
Tgt Ion:252 Resp: 74690

Ion Ratio Lower Upper

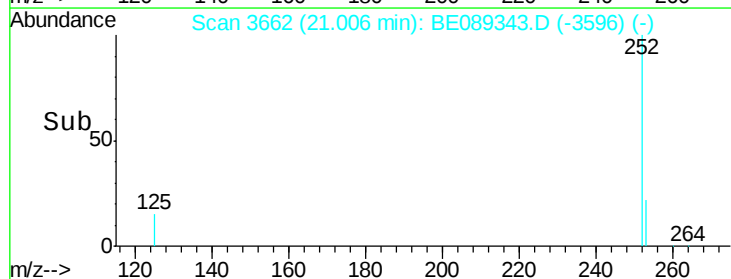
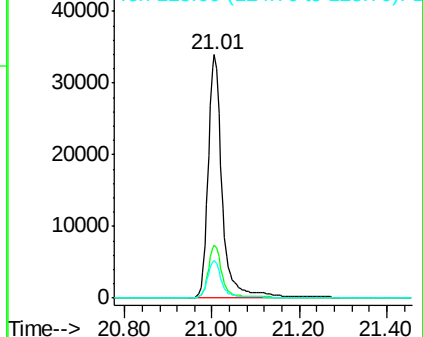
252 100

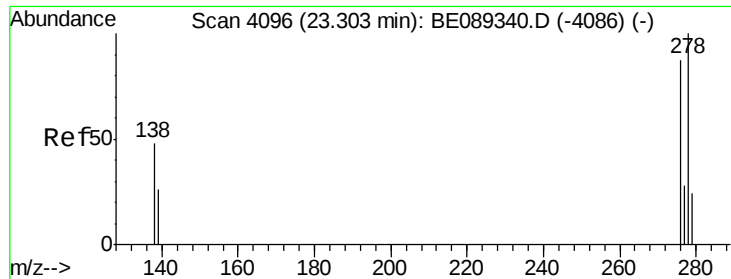
253 21.7 18.3 27.5

125 15.5 13.8 20.8



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





#25

Dibenzo(a,h)anthracene

Concen: 11.13 ng

RT: 23.30 min Scan# 4097

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

Instrument :

BNA_E

LabSampleId :

SSTDIC010

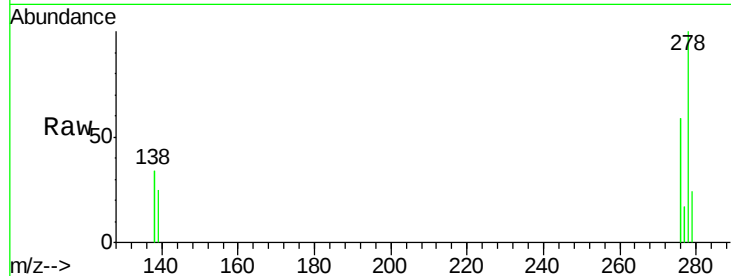
Tgt Ion: 278 Resp: 68776

Ion Ratio Lower Upper

278 100

139 24.8 22.9 34.3

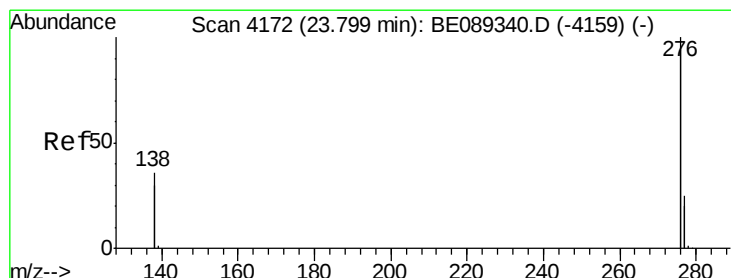
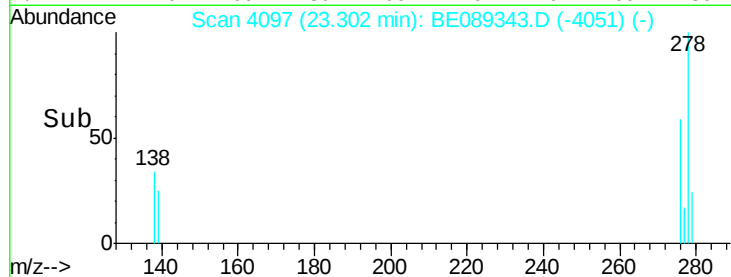
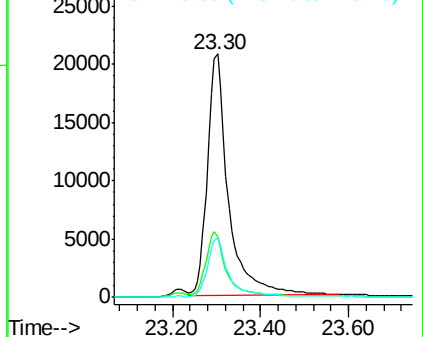
279 24.2 20.8 31.2



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



#26

Benzo(g,h,i)perylene

Concen: 11.56 ng

RT: 23.80 min Scan# 4173

Delta R.T. -0.00 min

Lab File: BE089343.D

Acq: 7 Jan 2015 23:46

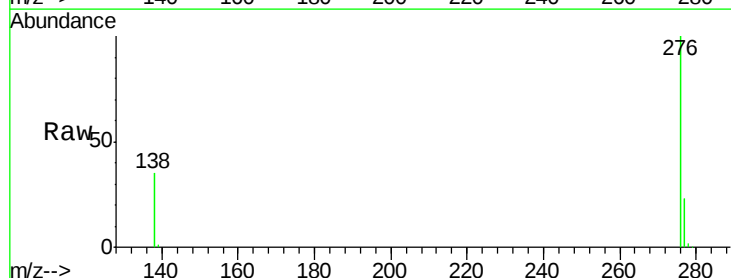
Tgt Ion: 276 Resp: 322505

Ion Ratio Lower Upper

276 100

277 23.2 20.0 30.0

138 34.7 28.5 42.7



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

