

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE021815\
 Data File : BE089612.D
 Acq On : 18 Feb 2015 2:51
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 18 05:39:22 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	43593	5.00	ng	0.00
4) Naphthalene-d8	12.25	136	176603	5.00	ng	0.00
8) Acenaphthene-d10	16.42	164	87979	5.00	ng	0.00
13) Phenanthrene-d10	19.77	188	173342	5.00	ng	0.00
19) Chrysene-d12	23.66	240	176377	5.00	ng	0.00
25) Perylene-d12	25.34	264	152569	5.00	ng	0.00

System Monitoring Compounds						
5) Nitrobenzene-d5	10.61	82	5669	0.72	ng	0.00
9) 2-Fluorobiphenyl	14.88	172	19151	0.70	ng	0.00
21) Terphenyl-d14	22.30	244	20638	0.64	ng	0.00

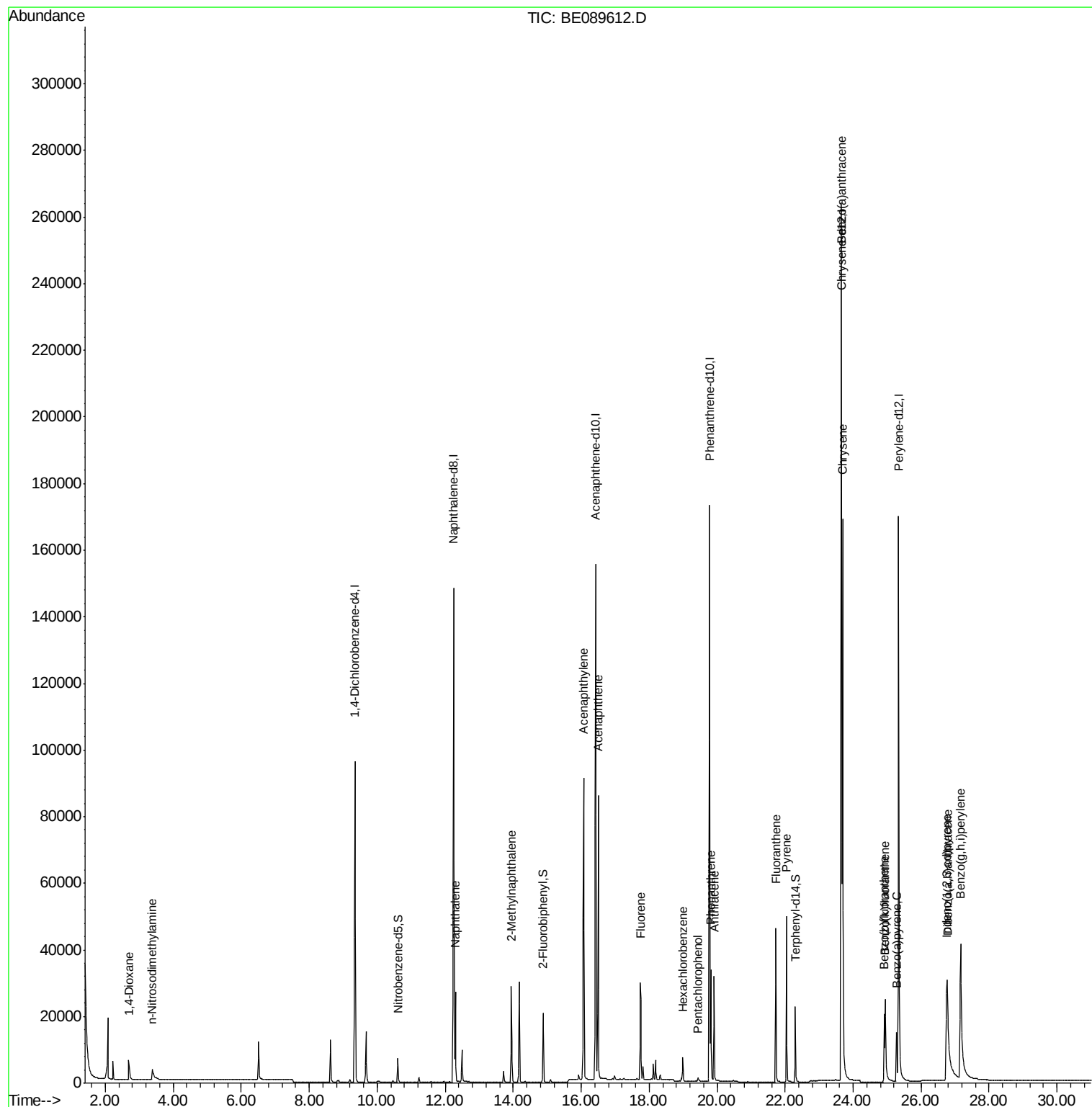
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.70	88	4491	0.78	ng	99
3) n-Nitrosodimethylamine	3.37	42	4443	0.79	ng	# 90
6) Naphthalene	12.29	128	32692	0.75	ng	100
7) 2-Methylnaphthalene	13.95	142	19919	0.71	ng	100
10) Acenaphthylene	16.07	152	114934	0.70	ng	100
11) Acenaphthene	16.50	154	18643	0.70	ng	99
12) Fluorene	17.74	166	21542	0.72	ng	99
14) Hexachlorobenzene	19.00	284	5998	0.67	ng	99
15) Pentachlorophenol	19.44	266	843	0.31	ng	98
16) Phenanthrene	19.82	178	34446	0.68	ng	100
17) Anthracene	19.91	178	29325	0.70	ng	99
18) Fluoranthene	21.72	202	32481	0.76	ng	100
20) Pyrene	22.04	202	35842	0.66	ng	100
22) Benzo(a)anthracene	23.64	228	123053	0.69	ng	99
23) Chrysene	23.69	228	143888	0.69	ng	99
24) Indeno(1,2,3-cd)pyrene	26.75	276	98684	0.65	ng	100
26) Benzo(b)fluoranthene	24.91	252	18289	0.61	ng	100
27) Benzo(k)fluoranthene	24.94	252	37677	0.77	ng	100
28) Benzo(a)pyrene	25.28	252	18940	0.65	ng	100
29) Dibenzo(a,h)anthracene	26.77	278	18942	0.65	ng	98
30) Benzo(g,h,i)perylene	27.16	276	92228	0.64	ng	100

(#) = 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: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

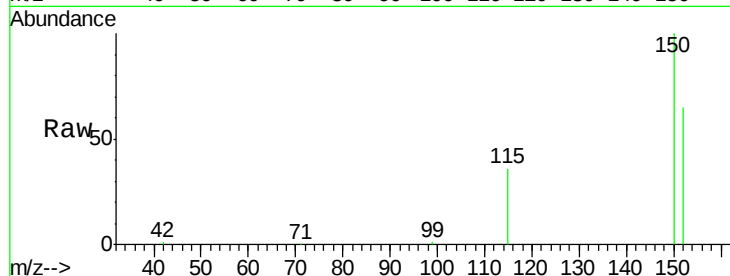
Tgt Ion:152 Resp: 43593

Ion Ratio Lower Upper

152 100

150 153.2 122.4 183.6

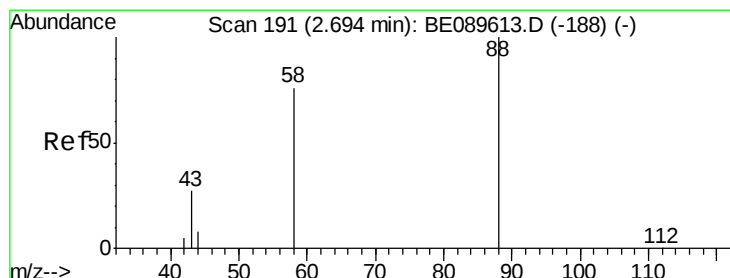
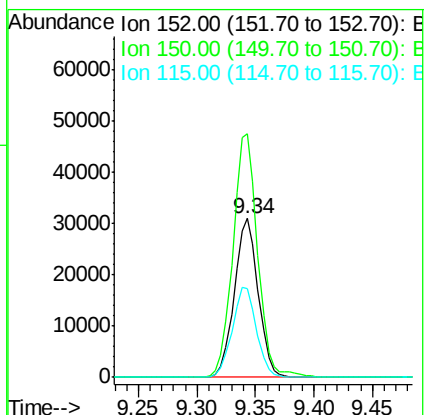
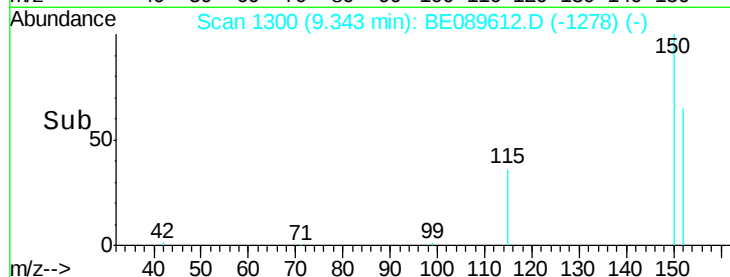
115 55.7 44.2 66.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.78 ng

RT: 2.70 min Scan# 192

Delta R.T. 0.01 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

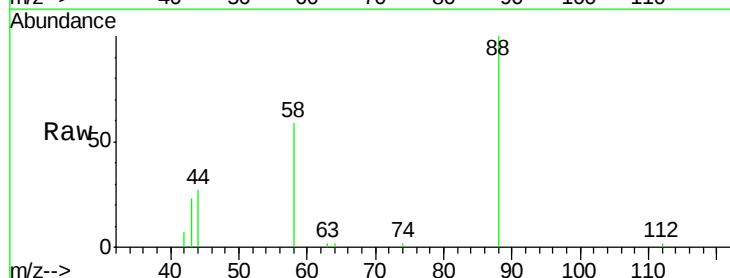
Tgt Ion: 88 Resp: 4491

Ion Ratio Lower Upper

88 100

58 67.0 54.6 81.8

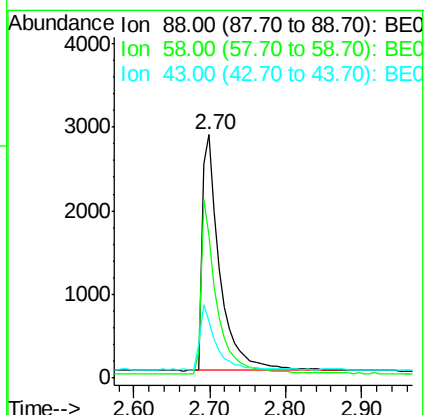
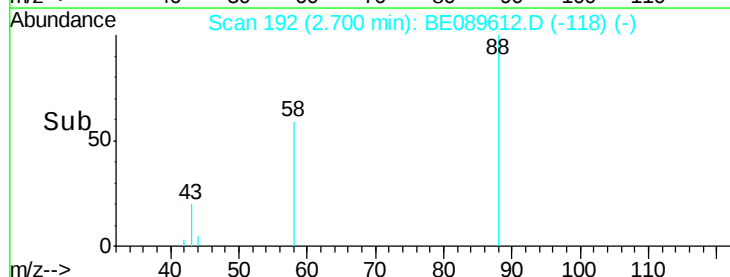
43 25.0 20.6 30.8

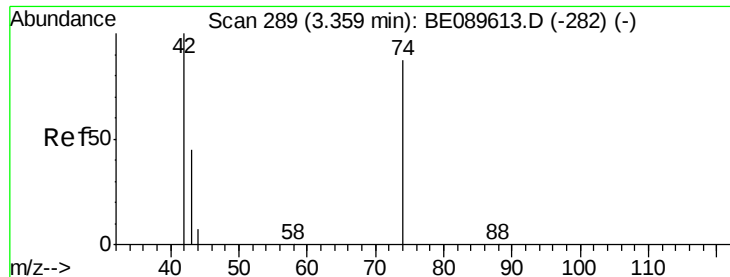


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0



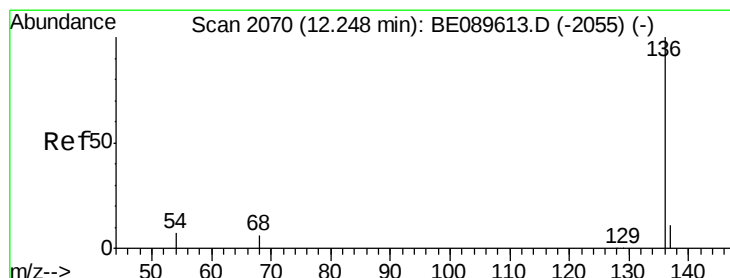
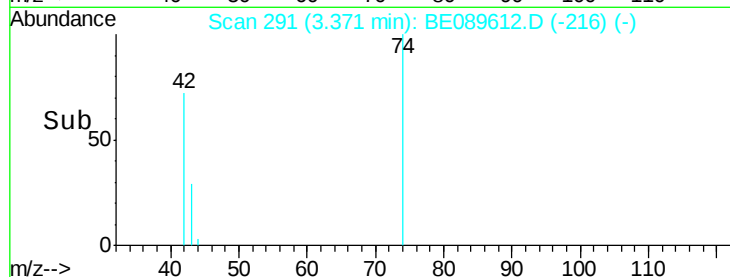
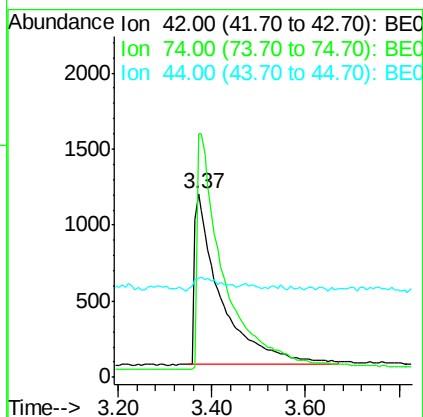
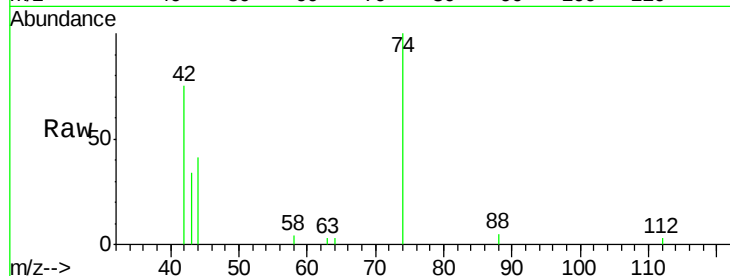


#3

n-Nitrosodimethylamine
 Concen: 0.79 ng
 RT: 3.37 min Scan# 291
 Delta R.T. 0.01 min
 Lab File: BE089612.D
 Acq: 18 Feb 2015 2:51

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

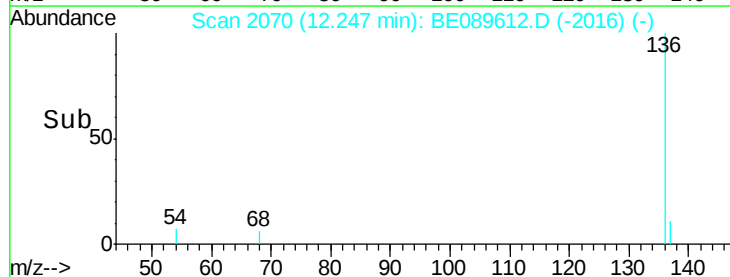
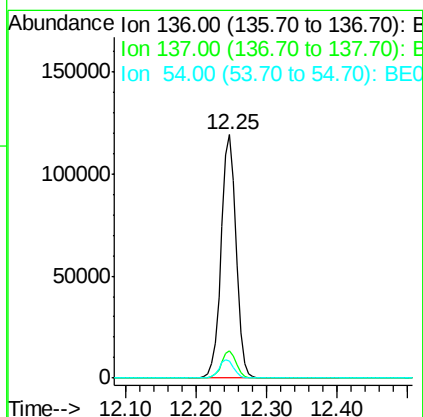
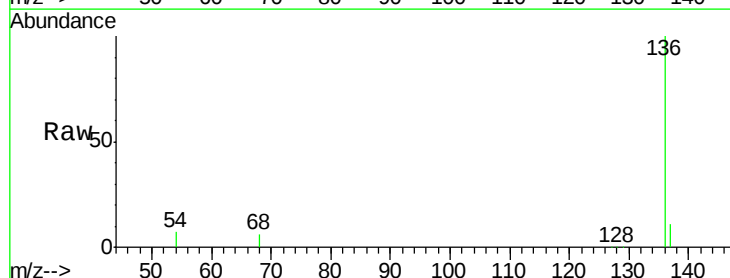
Tgt Ion: 42 Resp: 4443
 Ion Ratio Lower Upper
 42 100
 74 138.6 121.4 182.0
 44 8.2 4.5 6.7#

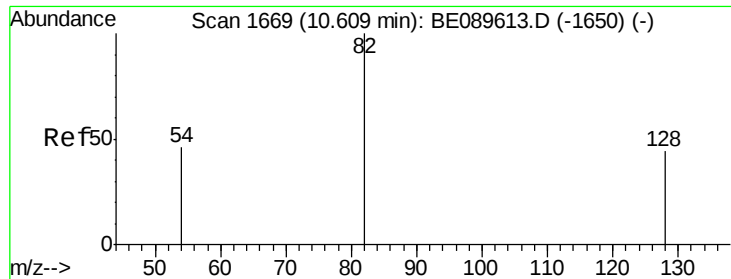


#4

Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.25 min Scan# 2070
 Delta R.T. -0.00 min
 Lab File: BE089612.D
 Acq: 18 Feb 2015 2:51

Tgt Ion: 136 Resp: 176603
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.9 13.3
 54 7.0 5.3 7.9





#5

Nitrobenzene-d5

Concen: 0.72 ng

RT: 10.61 min Scan# 1669

Delta R.T. -0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

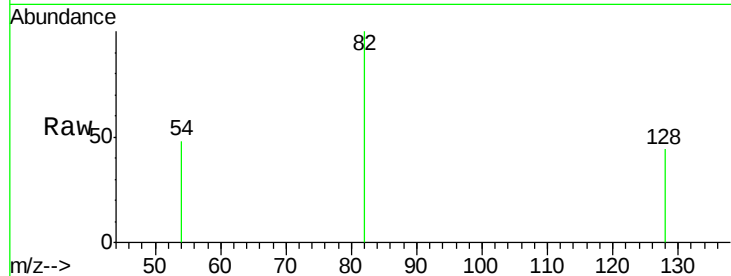
Tgt Ion: 82 Resp: 5669

Ion Ratio Lower Upper

82 100

128 44.3 35.5 53.3

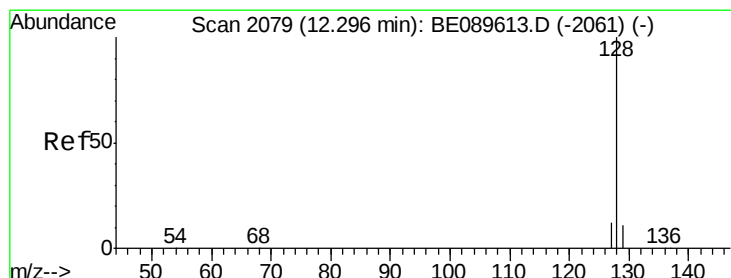
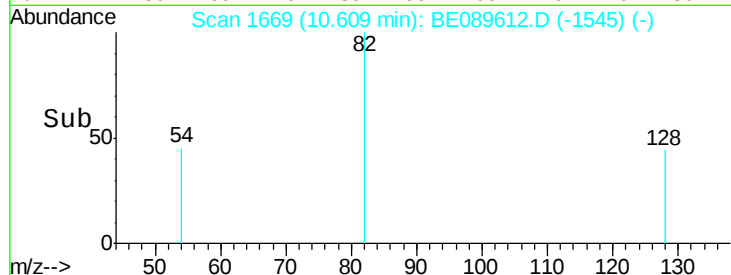
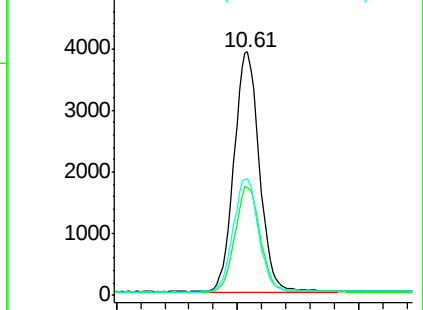
54 47.8 37.5 56.3



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#6

Naphthalene

Concen: 0.75 ng

RT: 12.29 min Scan# 2079

Delta R.T. -0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

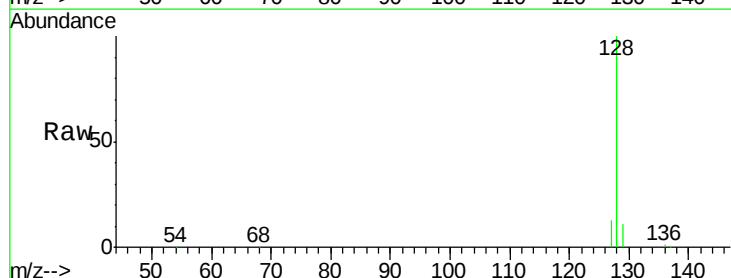
Tgt Ion: 128 Resp: 32692

Ion Ratio Lower Upper

128 100

129 11.2 8.9 13.3

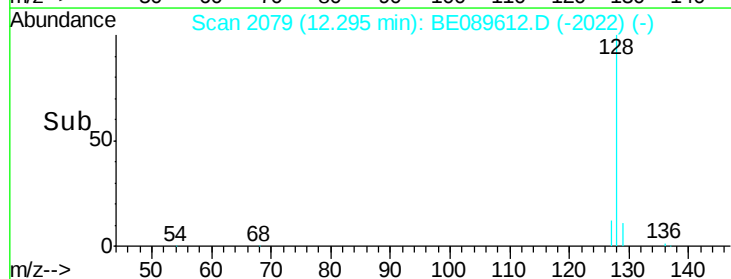
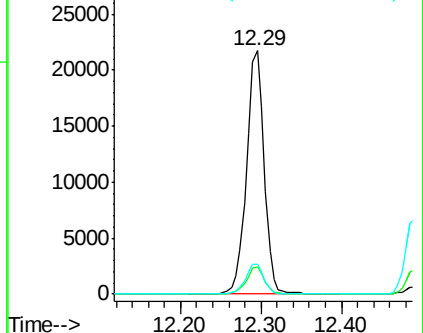
127 12.5 9.8 14.8



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#7

2-Methylnaphthalene

Concen: 0.71 ng

RT: 13.95 min Scan# 2417

Delta R.T. -0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

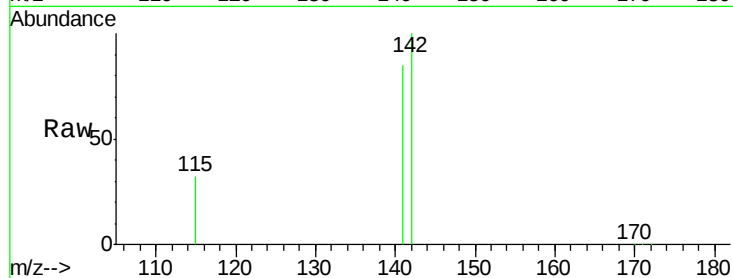
Tgt Ion:142 Resp: 19919

Ion Ratio Lower Upper

142 100

141 85.1 68.3 102.5

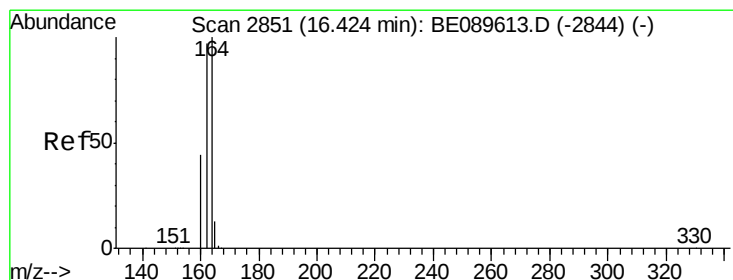
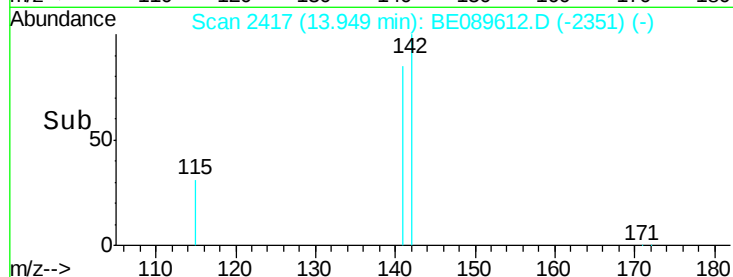
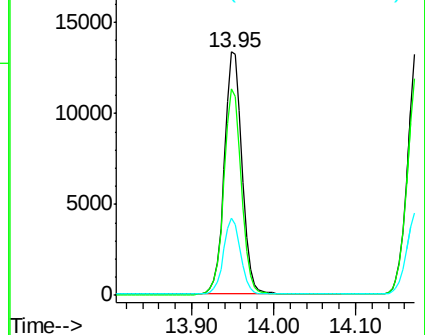
115 31.8 25.1 37.7



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# 2851

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

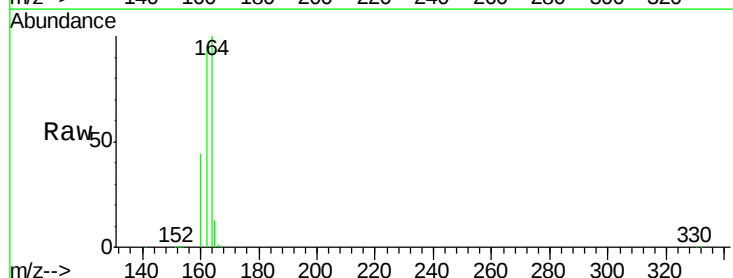
Tgt Ion:164 Resp: 87979

Ion Ratio Lower Upper

164 100

162 95.4 77.5 116.3

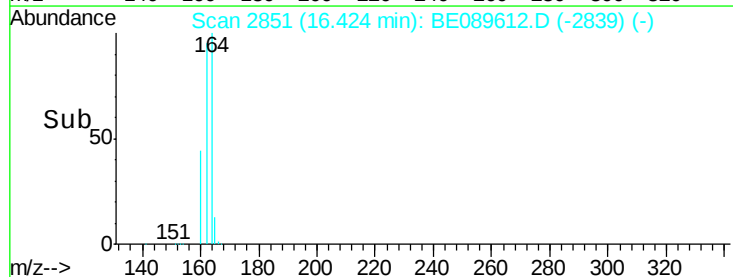
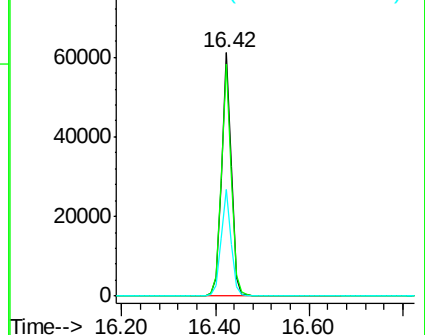
160 43.6 35.5 53.3



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: 0.70 ng

RT: 14.88 min Scan# 2622

Delta R.T. -0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

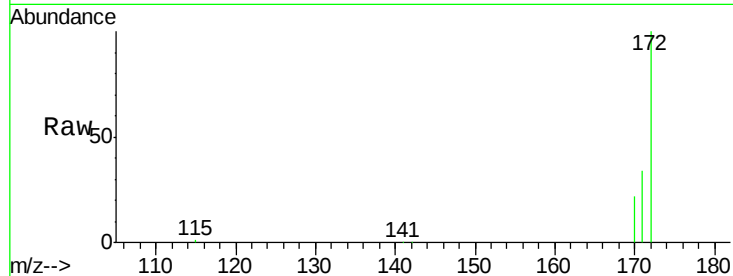
Tgt Ion:172 Resp: 19151

Ion Ratio Lower Upper

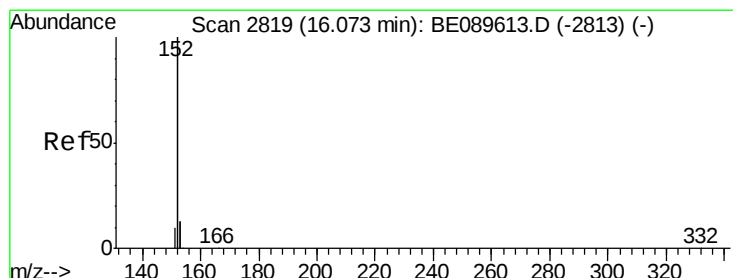
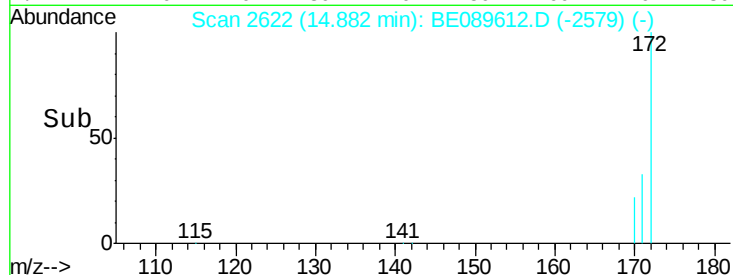
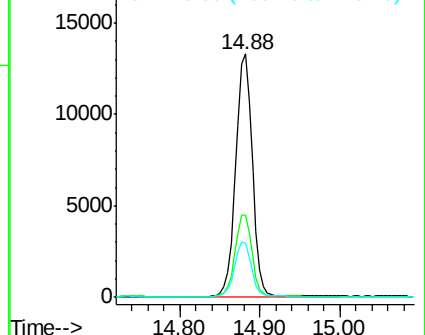
172 100

171 33.6 26.9 40.3

170 22.1 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: 0.70 ng

RT: 16.07 min Scan# 2819

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

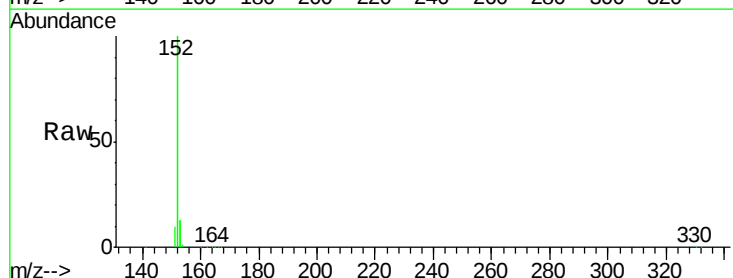
Tgt Ion:152 Resp: 114934

Ion Ratio Lower Upper

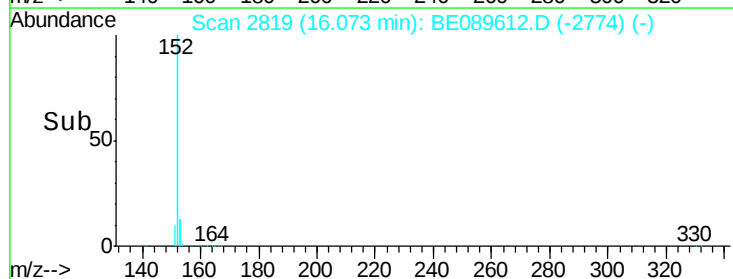
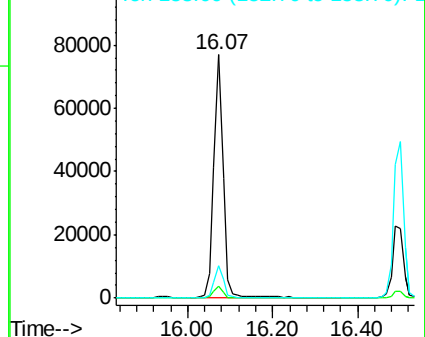
152 100

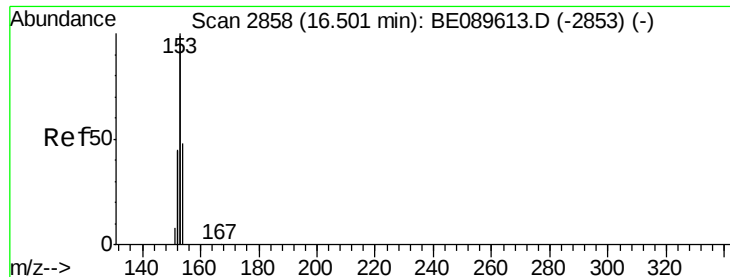
151 4.9 3.9 5.9

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: 0.70 ng

RT: 16.50 min Scan# 2858

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

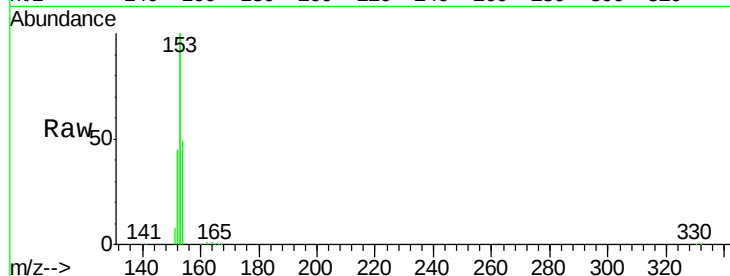
Tgt Ion:154 Resp: 18643

Ion Ratio Lower Upper

154 100

153 434.0 348.9 523.3

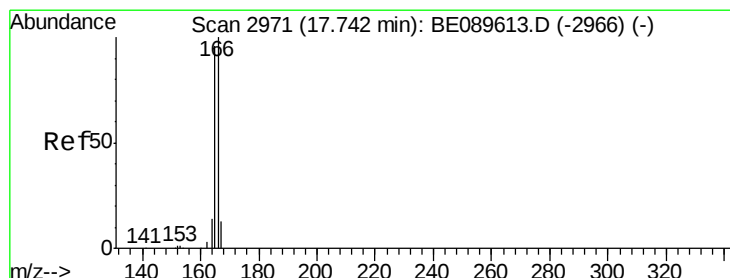
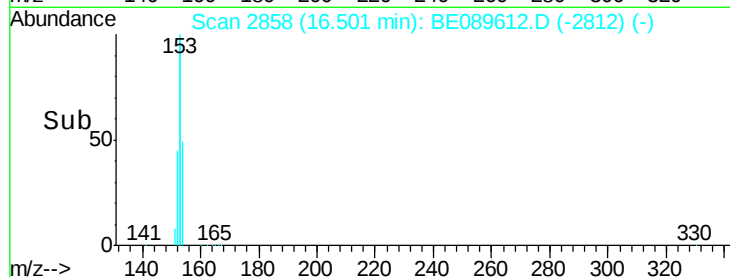
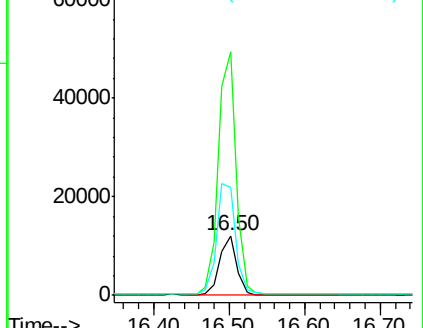
152 208.2 166.6 249.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#12

Fluorene

Concen: 0.72 ng

RT: 17.74 min Scan# 2971

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

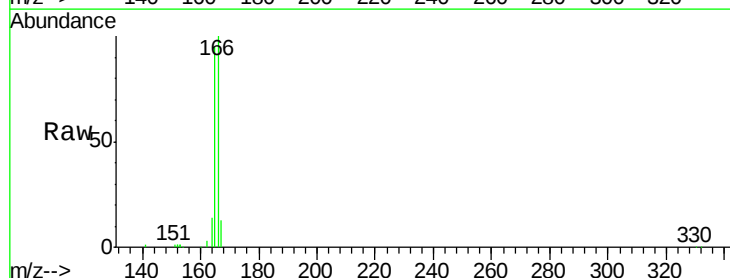
Tgt Ion:166 Resp: 21542

Ion Ratio Lower Upper

166 100

165 92.4 74.7 112.1

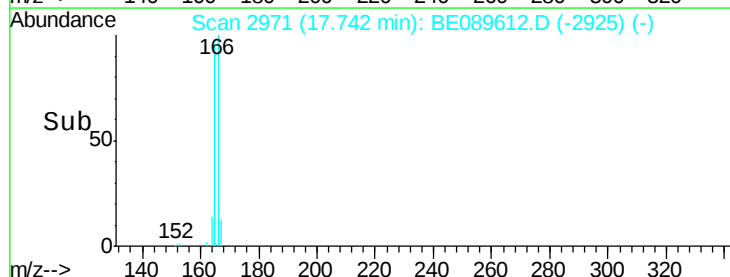
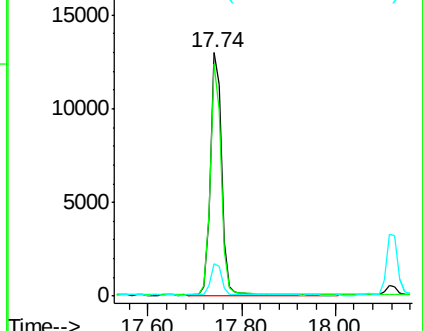
167 13.0 10.5 15.7

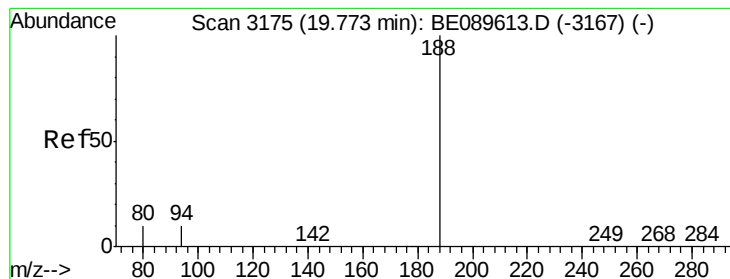


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene-d10

Concen: 5.00 ng

RT: 19.77 min Scan# 3175

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

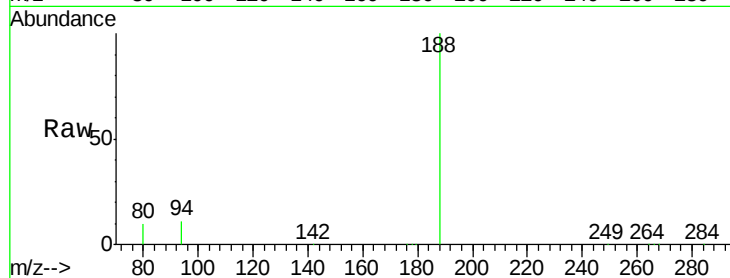
Tgt Ion:188 Resp: 173342

Ion Ratio Lower Upper

188 100

94 10.5 8.2 12.4

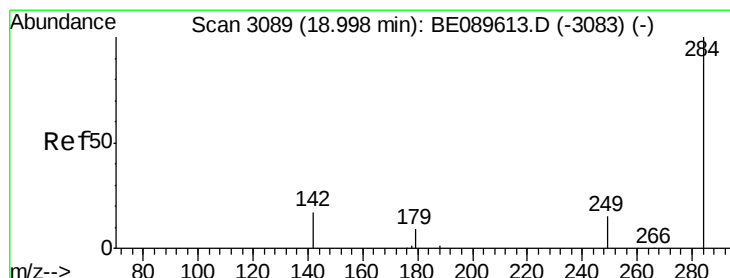
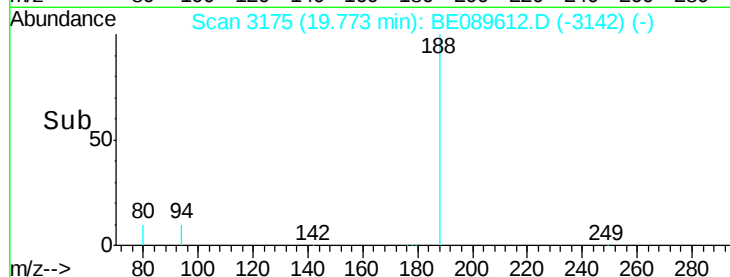
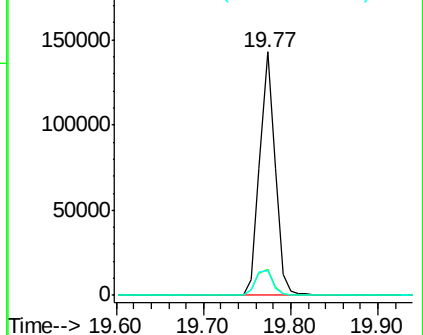
80 10.2 8.1 12.1



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: 0.67 ng

RT: 19.00 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

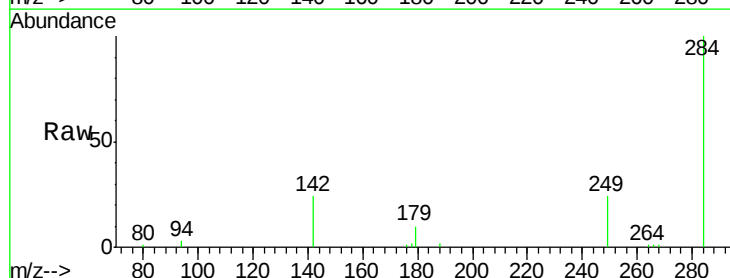
Tgt Ion:284 Resp: 5998

Ion Ratio Lower Upper

284 100

142 41.3 32.3 48.5

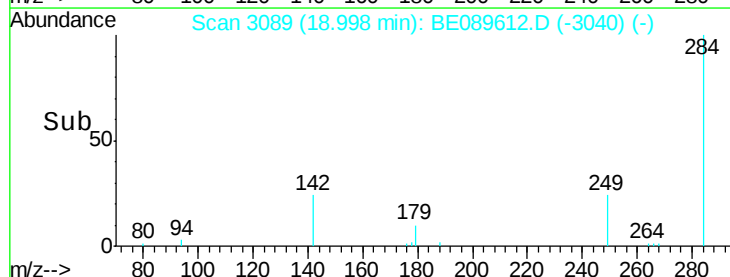
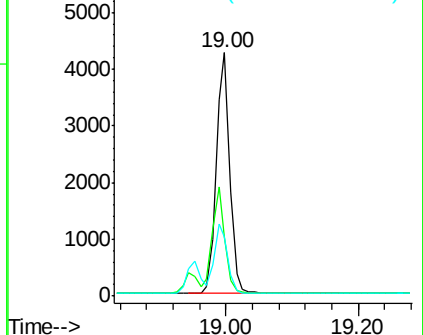
249 27.9 22.3 33.5



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

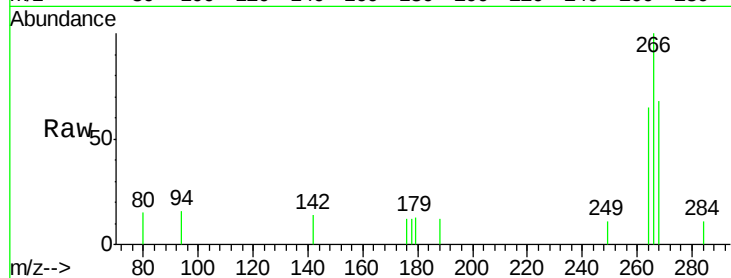




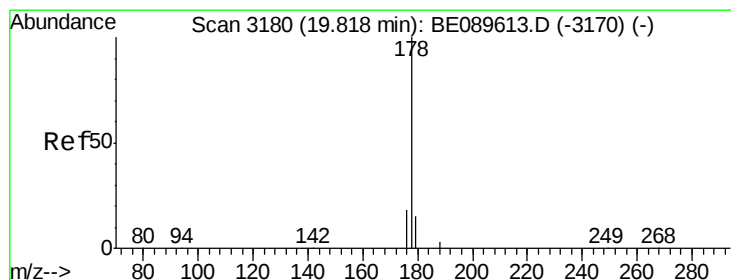
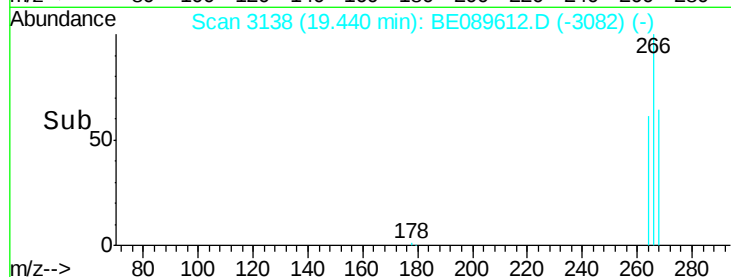
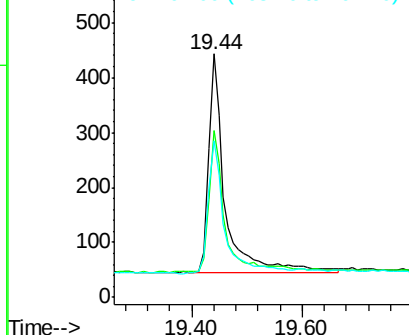
#15
 Pentachlorophenol
 Concen: 0.31 ng
 RT: 19.44 min Scan# 3138
 Delta R.T. 0.00 min
 Lab File: BE089612.D
 Acq: 18 Feb 2015 2:51

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion: 266 Resp: 843
 Ion Ratio Lower Upper
 266 100
 268 68.4 52.6 79.0
 264 64.6 51.8 77.8

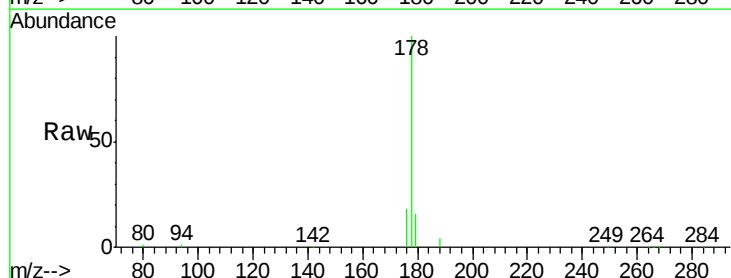


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

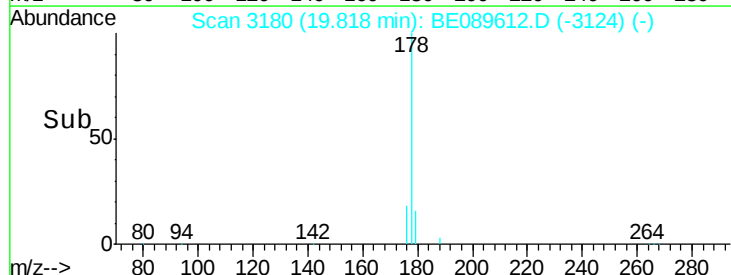
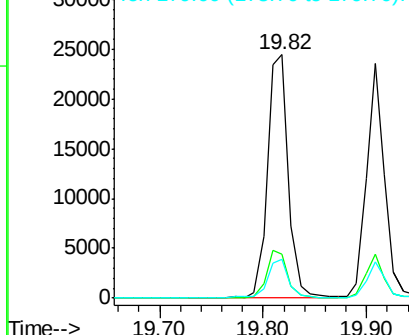


#16
 Phenanthrene
 Concen: 0.68 ng
 RT: 19.82 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: BE089612.D
 Acq: 18 Feb 2015 2:51

Tgt Ion: 178 Resp: 34446
 Ion Ratio Lower Upper
 178 100
 176 18.9 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: 0.70 ng

RT: 19.91 min Scan# 3190

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

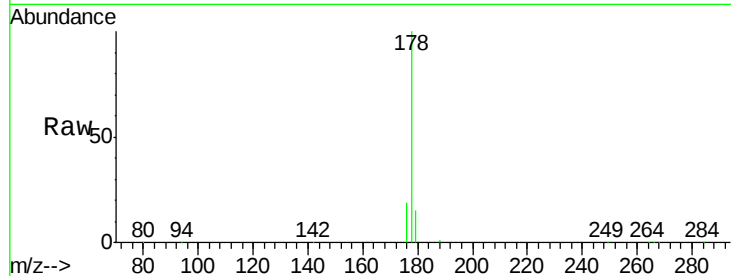
Tgt Ion:178 Resp: 29325

Ion Ratio Lower Upper

178 100

176 18.1 14.6 22.0

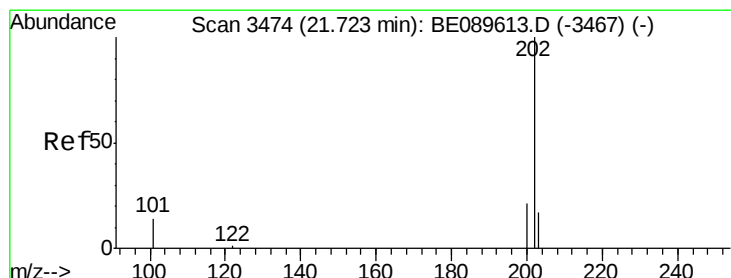
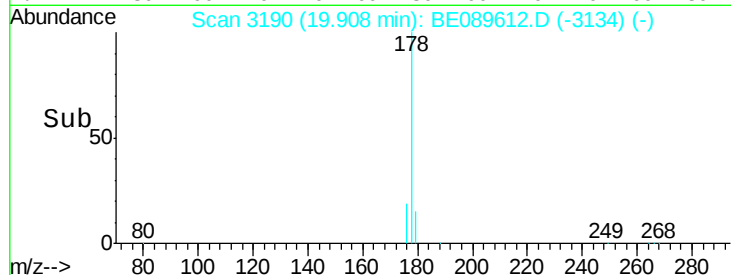
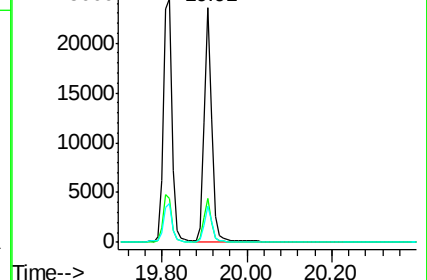
179 14.9 12.3 18.5



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



#18

Fluoranthene

Concen: 0.76 ng

RT: 21.72 min Scan# 3474

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

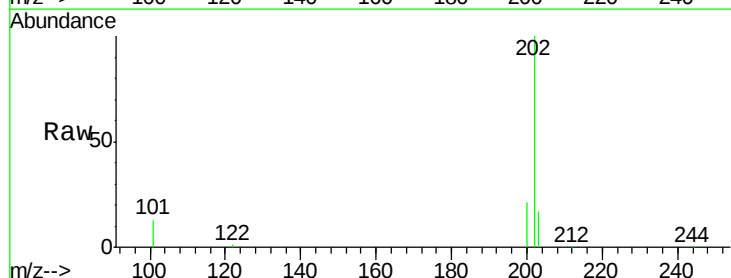
Tgt Ion:202 Resp: 32481

Ion Ratio Lower Upper

202 100

101 13.0 10.4 15.6

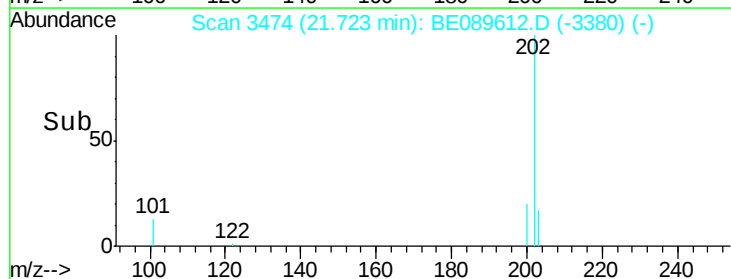
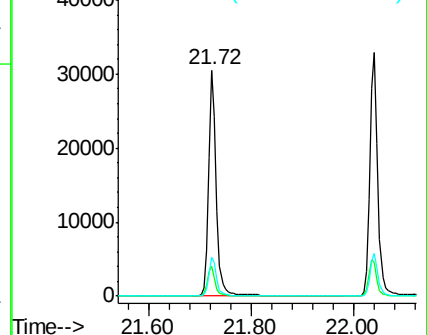
203 17.3 13.9 20.9

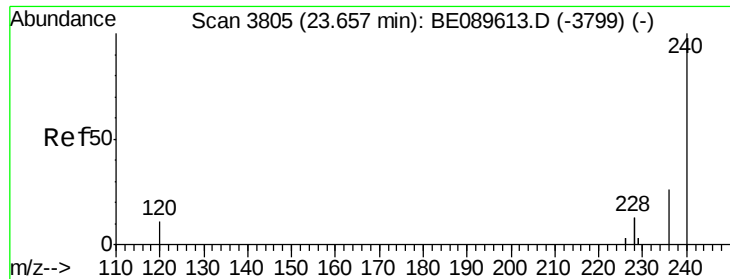


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 23.66 min Scan# 3805

Delta R.T. -0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

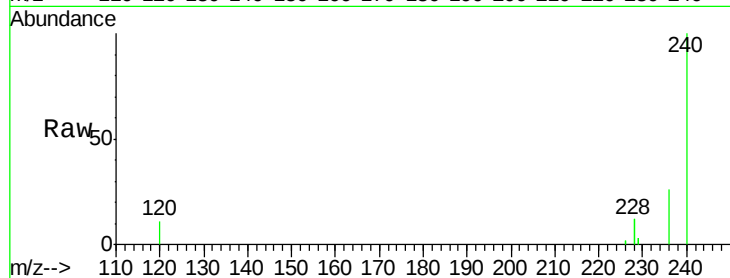
Tgt Ion:240 Resp: 176377

Ion Ratio Lower Upper

240 100

120 11.5 9.0 13.4

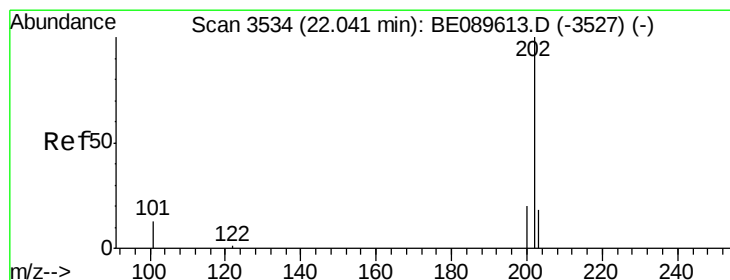
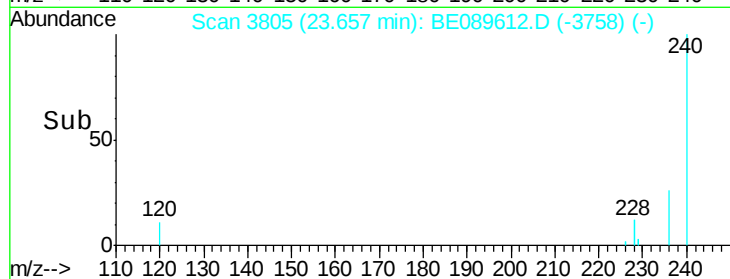
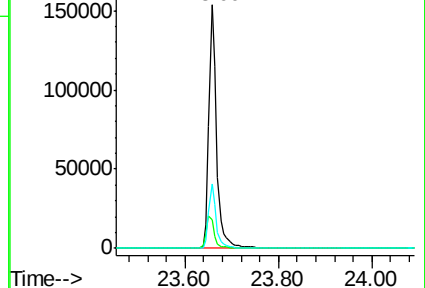
236 26.4 21.0 31.6



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Pyrene

Concen: 0.66 ng

RT: 22.04 min Scan# 3534

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

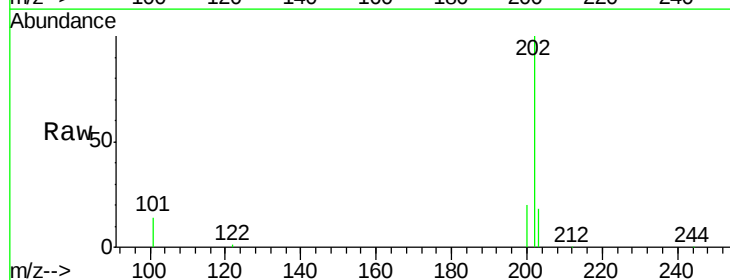
Tgt Ion:202 Resp: 35842

Ion Ratio Lower Upper

202 100

200 20.2 16.3 24.5

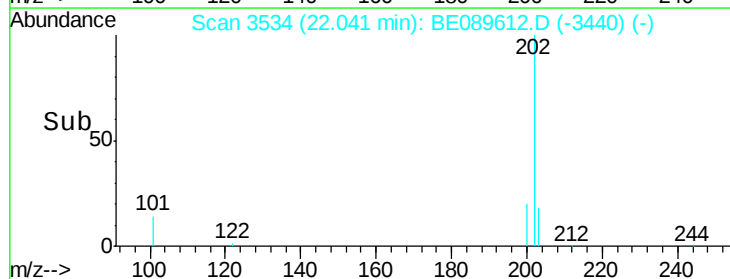
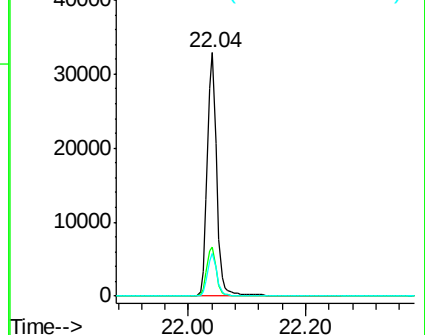
203 17.4 13.8 20.8



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: 0.64 ng

RT: 22.30 min Scan# 3583

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

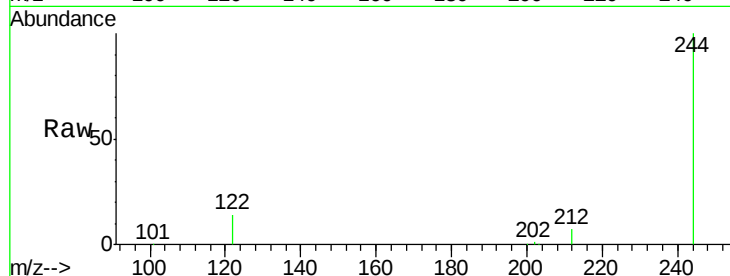
Tgt Ion:244 Resp: 20638

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

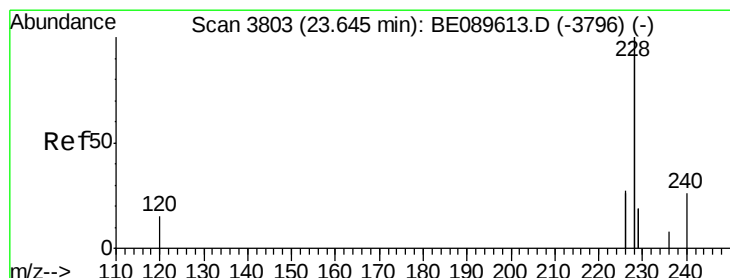
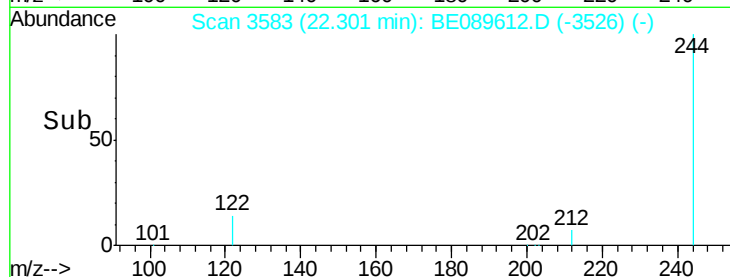
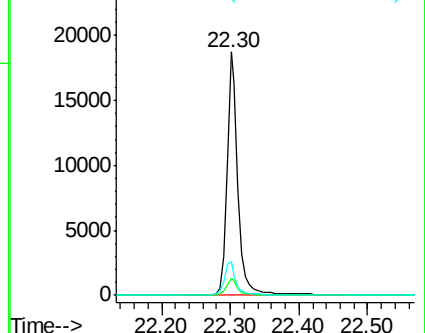
122 13.9 11.8 17.8



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: 0.69 ng

RT: 23.64 min Scan# 3803

Delta R.T. -0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

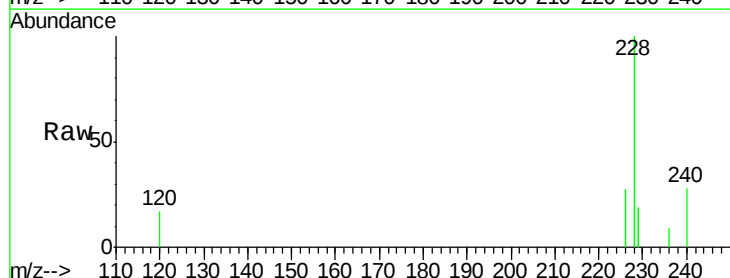
Tgt Ion:228 Resp: 123053

Ion Ratio Lower Upper

228 100

226 27.1 21.2 31.8

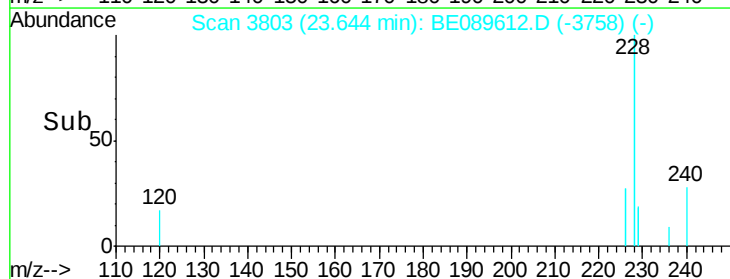
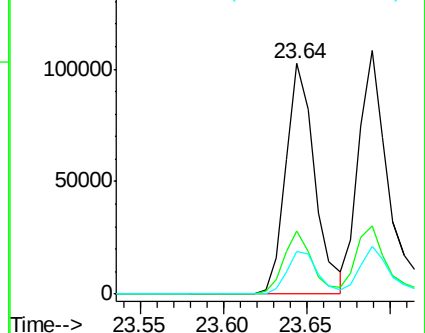
229 18.8 15.2 22.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Chrysene

Concen: 0.69 ng

RT: 23.69 min Scan# 3810

Delta R.T. -0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

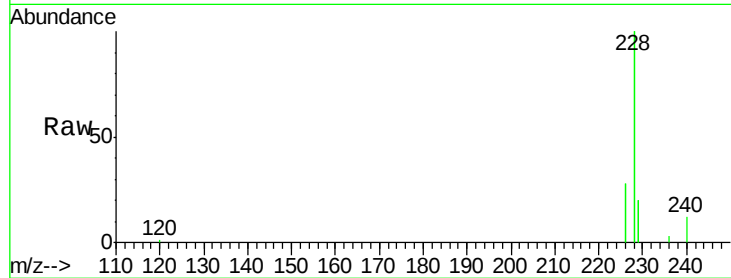
Tgt Ion: 228 Resp: 143888

Ion Ratio Lower Upper

228 100

226 28.3 22.2 33.4

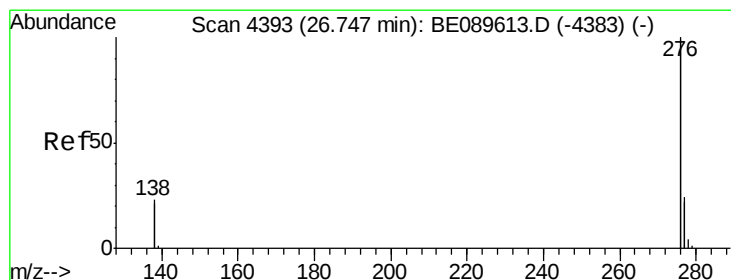
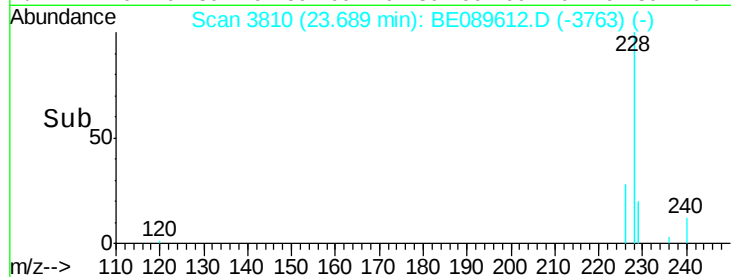
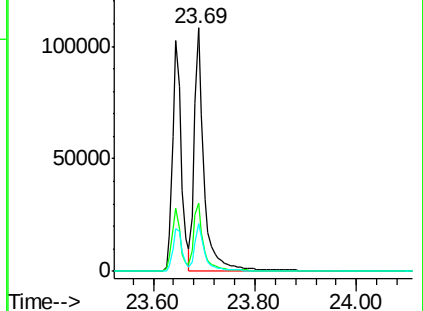
229 19.8 16.0 24.0



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: 0.65 ng

RT: 26.75 min Scan# 4393

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

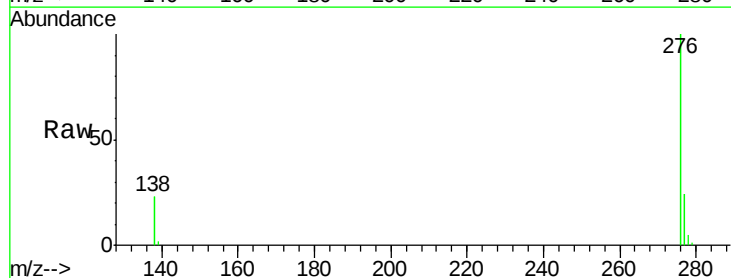
Tgt Ion: 276 Resp: 98684

Ion Ratio Lower Upper

276 100

138 26.6 21.4 32.2

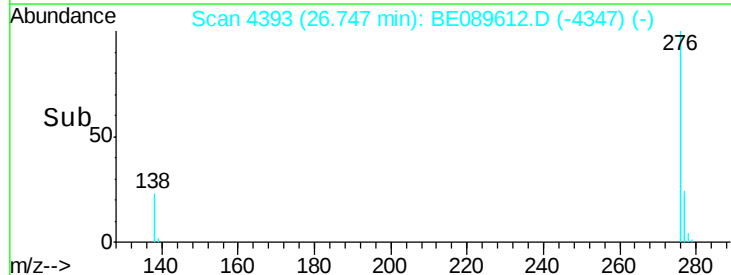
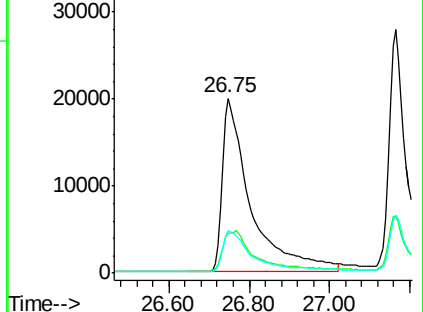
277 25.0 19.9 29.9

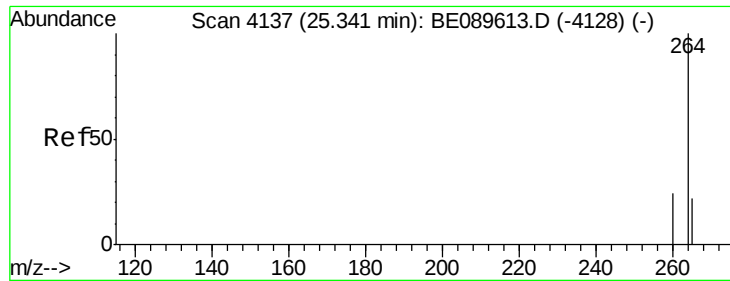


Abundance Ion 276.00 (275.70 to 276.70): E

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# 4137

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

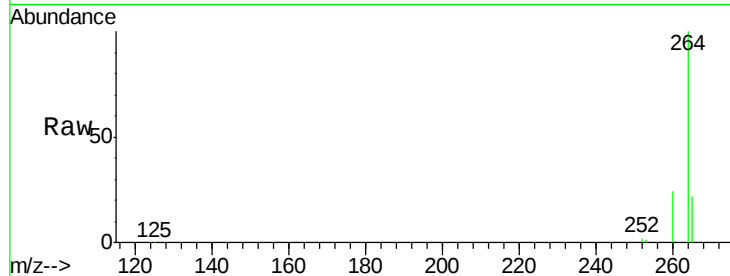
Tgt Ion:264 Resp: 152569

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.6

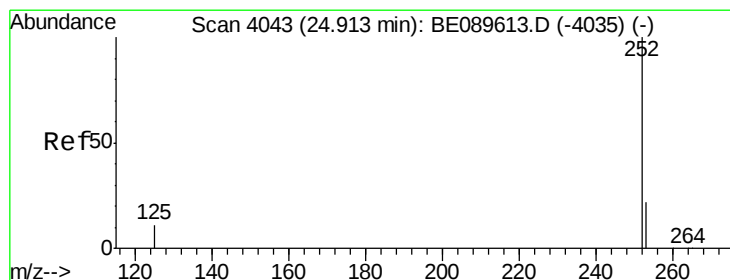
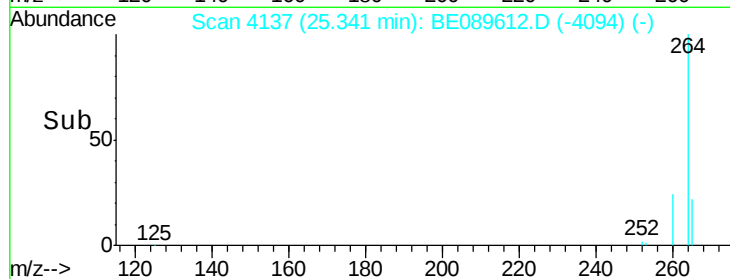
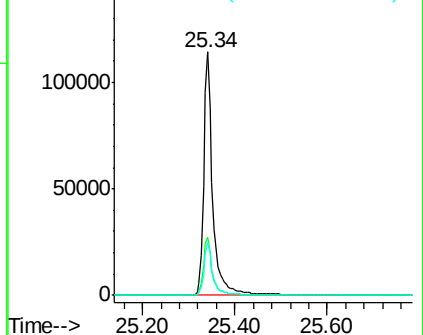
265 21.7 17.4 26.0



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: 0.61 ng

RT: 24.91 min Scan# 4043

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

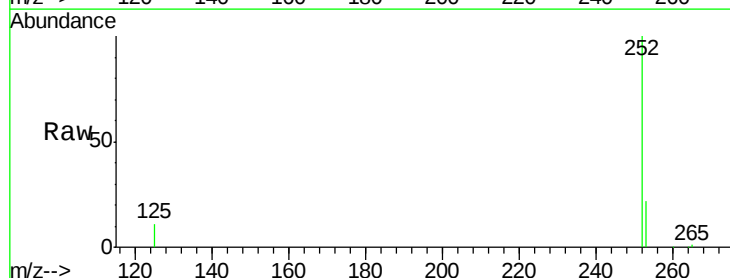
Tgt Ion:252 Resp: 18289

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

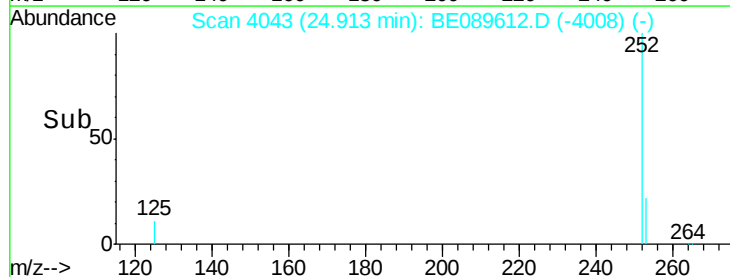
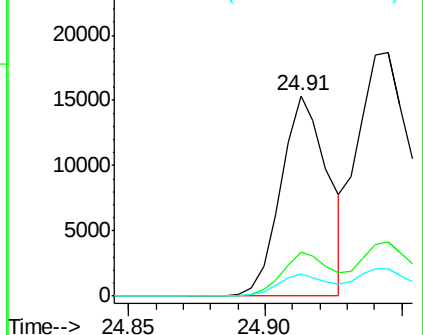
125 11.2 8.8 13.2



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

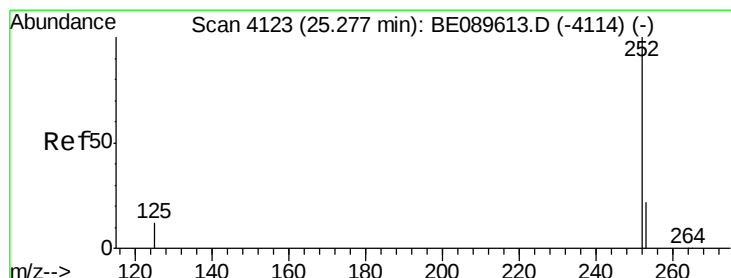
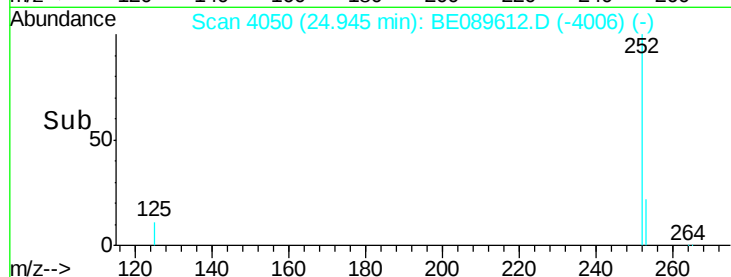
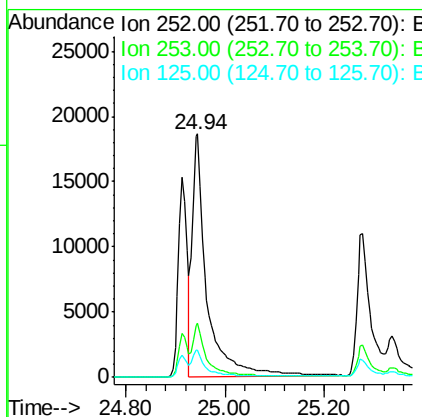
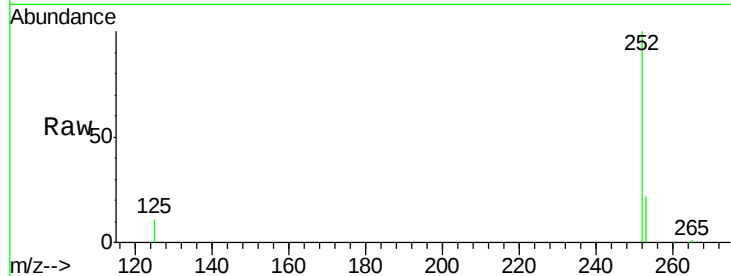




#27
Benzo(k)fluoranthene
Concen: 0.77 ng
RT: 24.94 min Scan# 4050
Delta R.T. 0.00 min
Lab File: BE089612.D
Acq: 18 Feb 2015 2:51

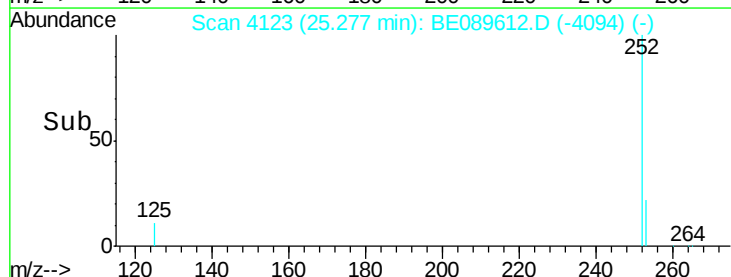
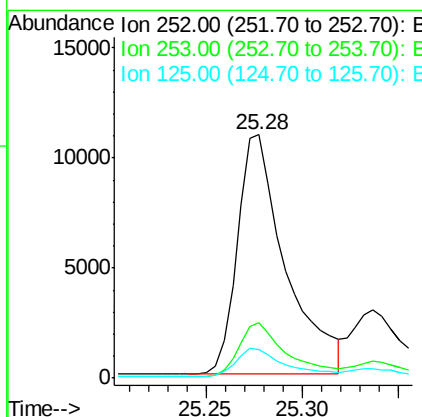
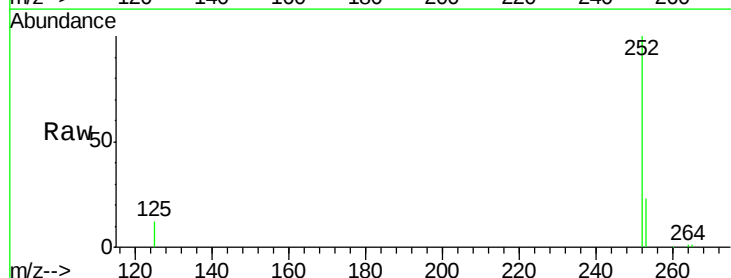
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

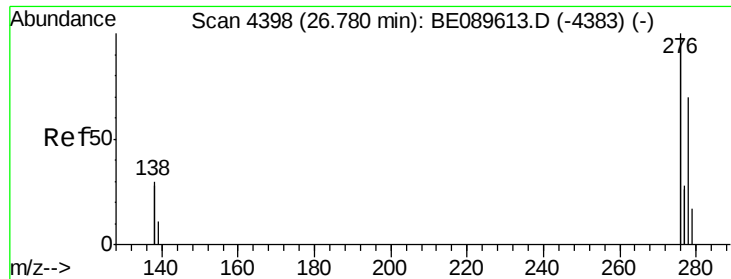
Tgt Ion:252 Resp: 37677
Ion Ratio Lower Upper
252 100
253 22.3 17.7 26.5
125 11.0 8.8 13.2



#28
Benzo(a)pyrene
Concen: 0.65 ng
RT: 25.28 min Scan# 4123
Delta R.T. 0.00 min
Lab File: BE089612.D
Acq: 18 Feb 2015 2:51

Tgt Ion:252 Resp: 18940
Ion Ratio Lower Upper
252 100
253 22.7 18.1 27.1
125 11.9 9.6 14.4





#29

Dibenzo(a,h)anthracene

Concen: 0.65 ng

RT: 26.77 min Scan# 4397

Delta R.T. -0.01 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

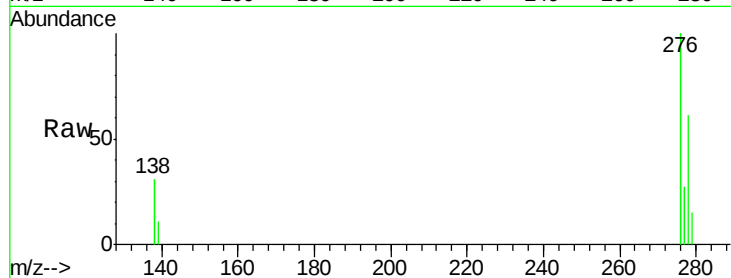
Tgt Ion:278 Resp: 18942

Ion Ratio Lower Upper

278 100

139 18.7 13.7 20.5

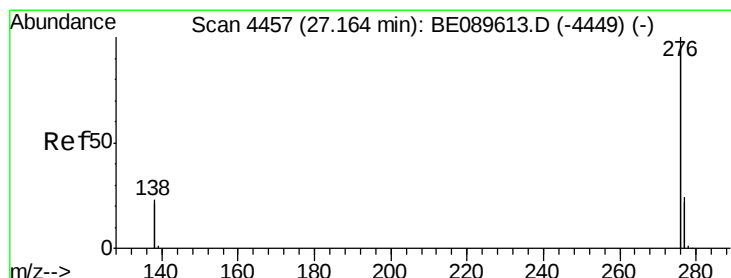
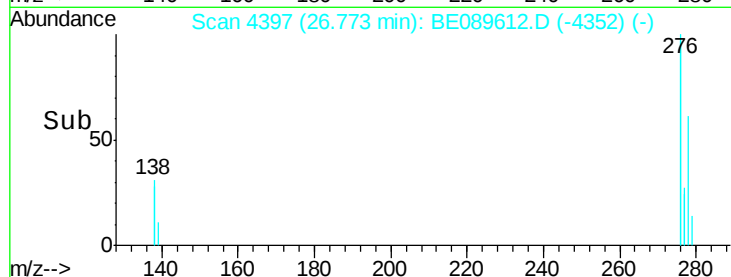
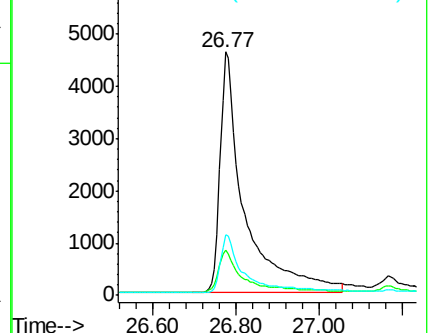
279 24.7 19.7 29.5



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: 0.64 ng

RT: 27.16 min Scan# 4457

Delta R.T. 0.00 min

Lab File: BE089612.D

Acq: 18 Feb 2015 2:51

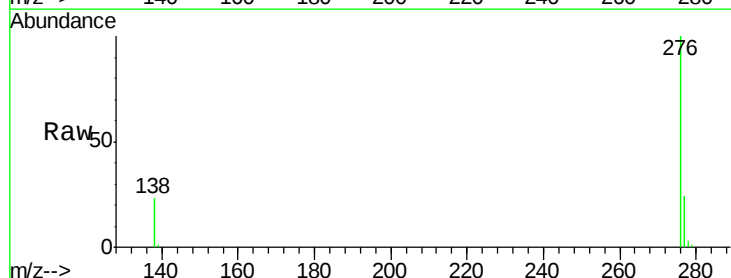
Tgt Ion:276 Resp: 92228

Ion Ratio Lower Upper

276 100

277 24.0 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

