

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089527.D
 Acq On : 6 Feb 2015 14:31
 Operator : TP/IZ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Quant Time: Feb 07 03:34:39 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 03:25:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.43	152	38016	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	145367	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	59245	5.00	ng	0.00
11) Phenanthrene-d10	19.85	188	108442	5.00	ng	0.00
16) Chrysene-d12	23.72	240	126518	5.00	ng	0.00
22) Perylene-d12	25.42	264	137832	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.69	82	7143	0.69	ng	0.00
7) 2-Fluorobiphenyl	14.97	172	11983	0.64	ng	0.00
18) Terphenyl-d14	22.36	244	12928	0.57	ng	0.00

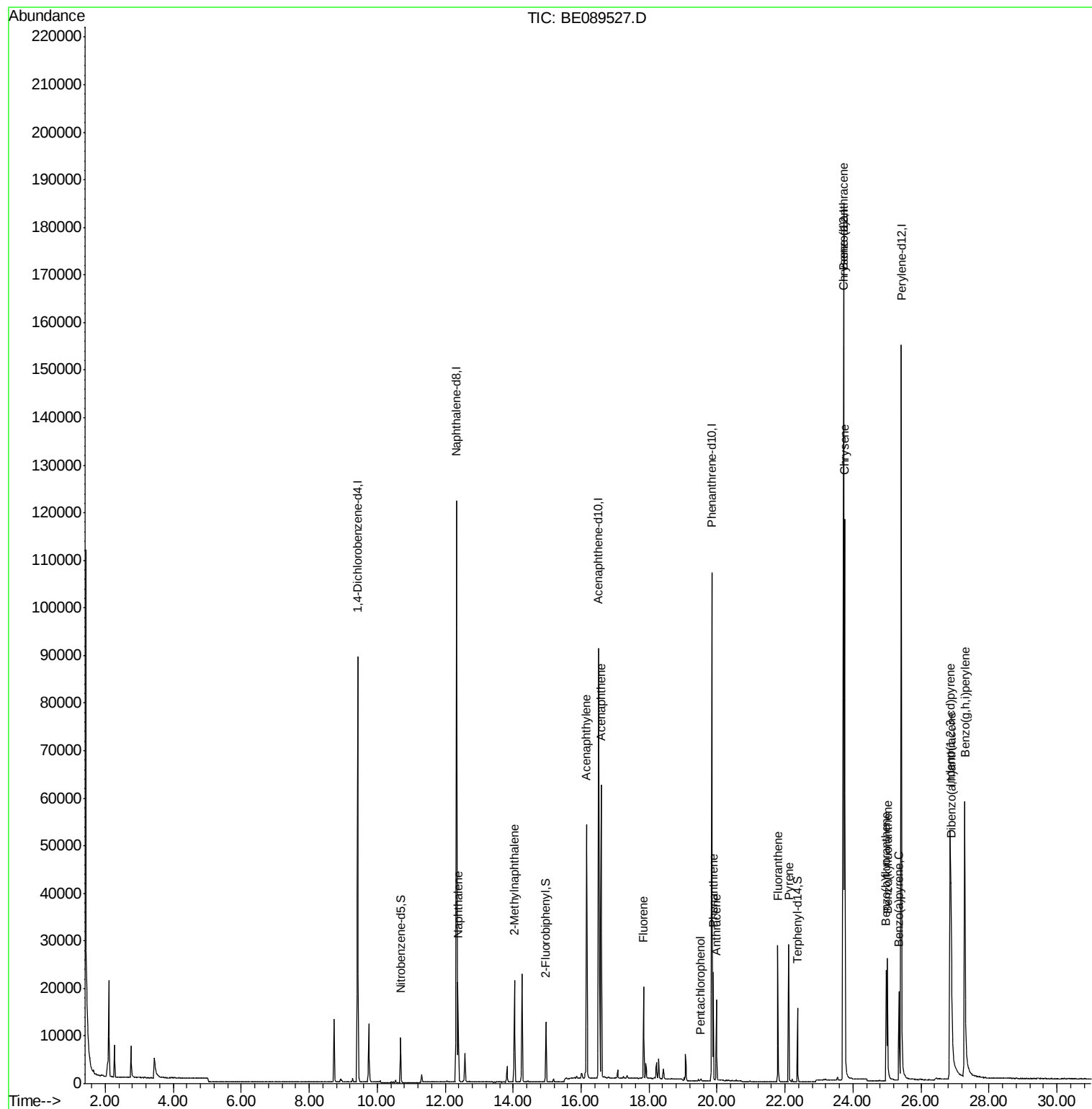
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.38	128	25414	0.71	ng	99
5) 2-Methylnaphthalene	14.04	142	14287	0.63	ng	100
8) Acenaphthylene	16.16	152	75989	0.61	ng	100
9) Acenaphthene	16.59	154	12104	0.63	ng	99
10) Fluorene	17.84	166	12929	0.60	ng	99
12) Pentachlorophenol	19.52	266	256	0.31	ng	95
13) Phenanthrene	19.89	178	20577	0.63	ng	99
14) Anthracene	19.99	178	17156	0.58	ng	100
15) Fluoranthene	21.79	202	19276	0.64	ng	100
17) Pyrene	22.11	202	20504	0.53	ng	99
19) Benzo(a)anthracene	23.71	228	85436	0.62	ng	97
20) Chrysene	23.75	228	88075	0.62	ng	99
21) Indeno(1,2,3-cd)pyrene	26.85	276	114606	0.72	ng	99
23) Benzo(b)fluoranthene	24.98	252	20580	0.67	ng	99
24) Benzo(k)fluoranthene	25.01	252	25843	0.59	ng	99
25) Benzo(a)pyrene	25.35	252	19867	0.62	ng	98
26) Dibenzo(a,h)anthracene	26.89	278	24291	0.68	ng	99
27) Benzo(g,h,i)perylene	27.28	276	97960	0.66	ng	100

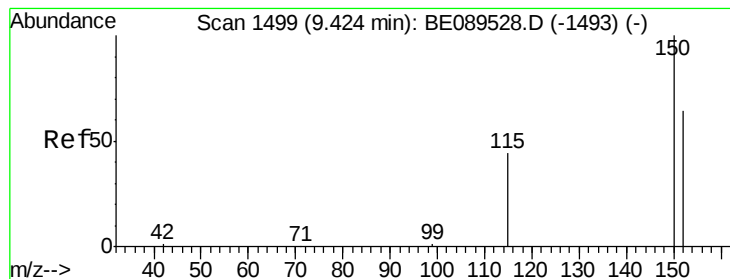
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.43 min Scan# 1499

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

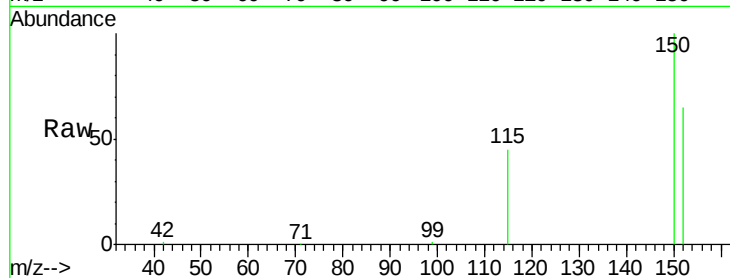
Tgt Ion:152 Resp: 38016

Ion Ratio Lower Upper

152 100

150 154.9 125.7 188.5

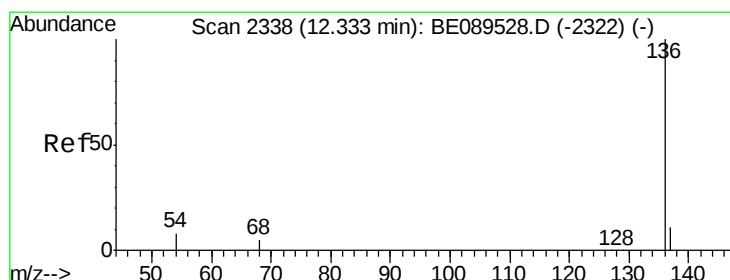
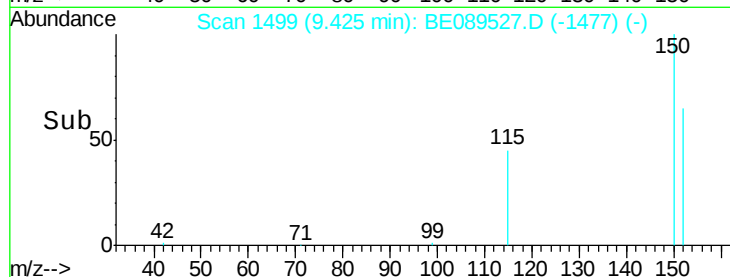
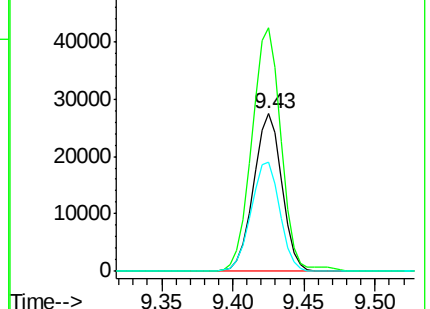
115 69.7 55.6 83.4



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: 12.33 min Scan# 2338

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

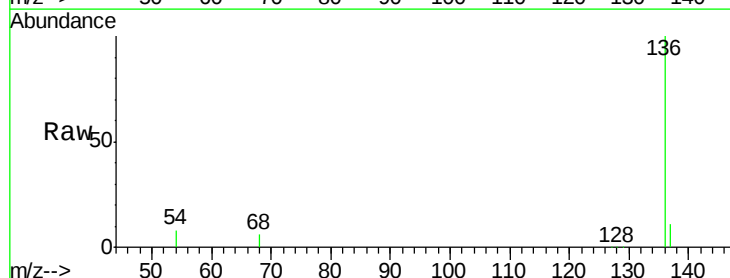
Tgt Ion:136 Resp: 145367

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

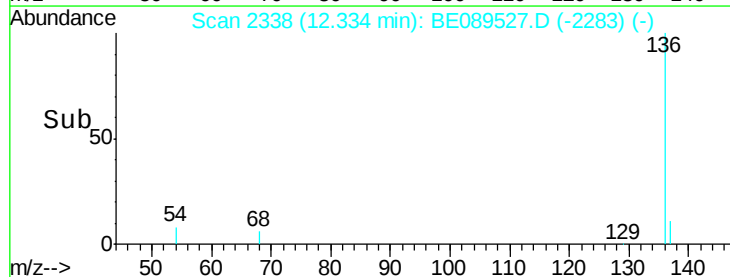
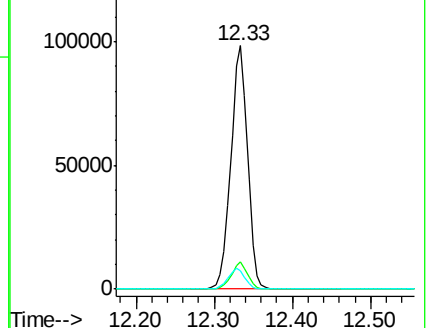
54 7.6 6.1 9.1

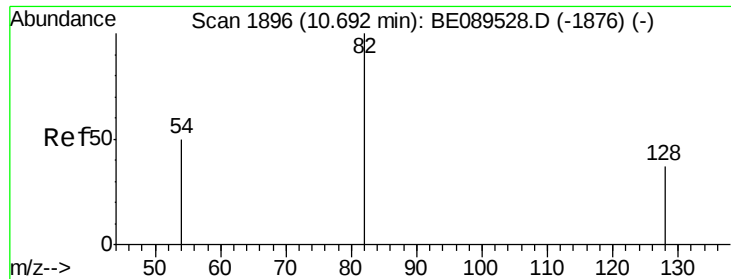


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#3

Nitrobenzene-d5

Concen: 0.69 ng

RT: 10.69 min Scan# 1896

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

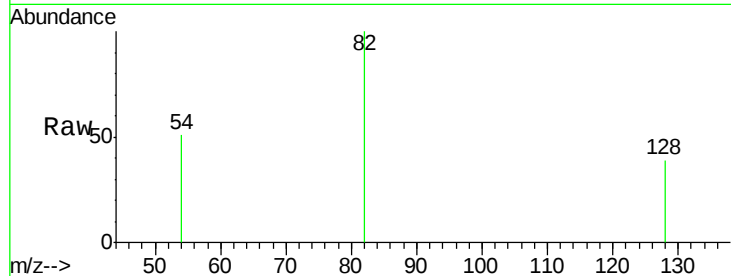
Tgt Ion: 82 Resp: 7143

Ion Ratio Lower Upper

82 100

128 38.8 30.2 45.4

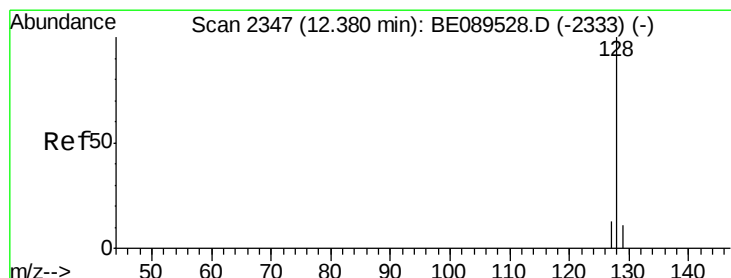
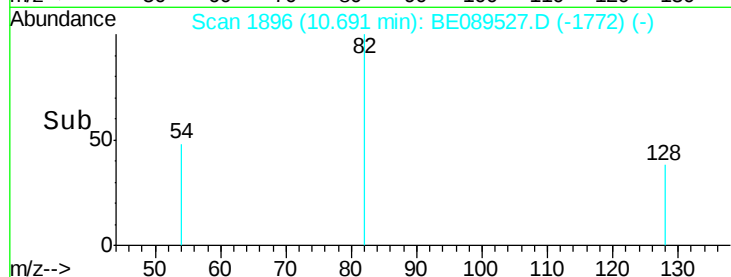
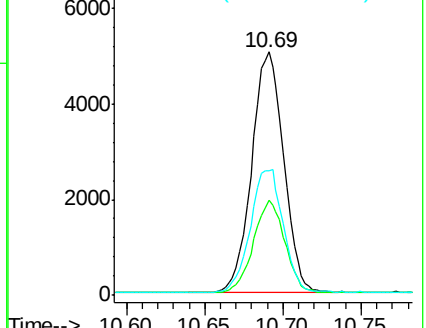
54 51.0 40.6 60.8



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: 0.71 ng

RT: 12.38 min Scan# 2346

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

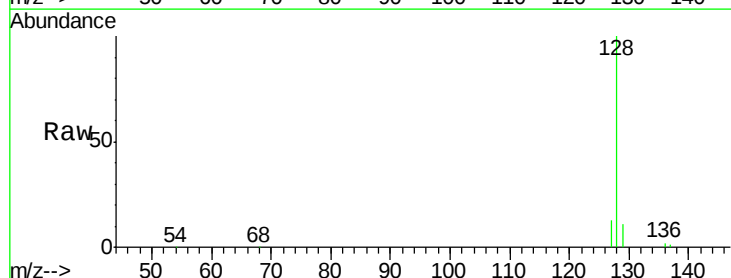
Tgt Ion: 128 Resp: 25414

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

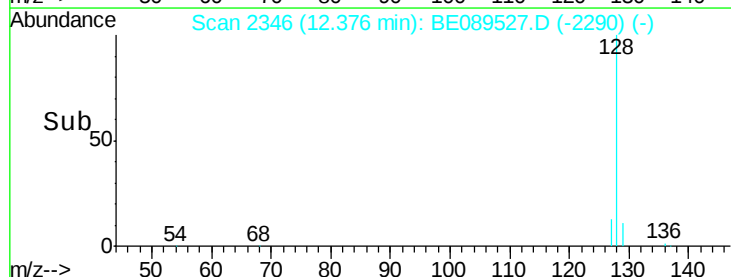
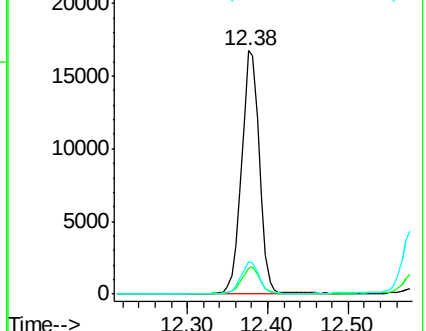
127 13.2 10.5 15.7

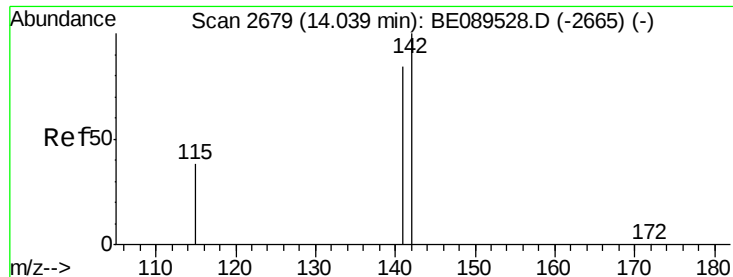


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#5

2-Methylnaphthalene

Concen: 0.63 ng

RT: 14.04 min Scan# 2679

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

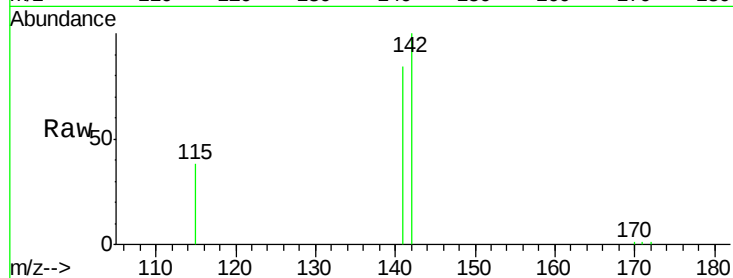
Tgt Ion:142 Resp: 14287

Ion Ratio Lower Upper

142 100

141 83.6 67.0 100.6

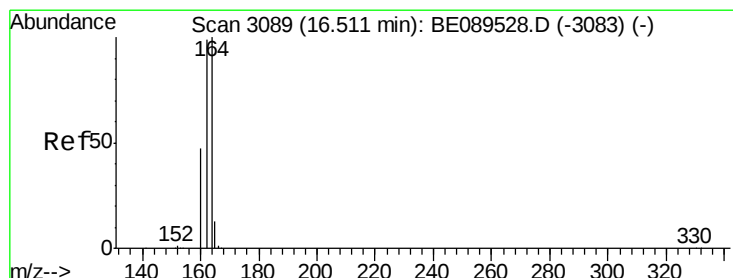
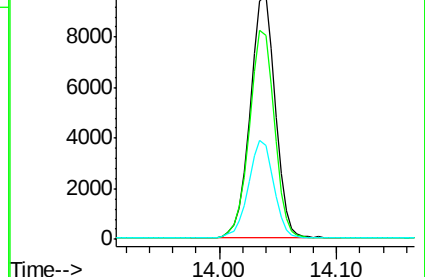
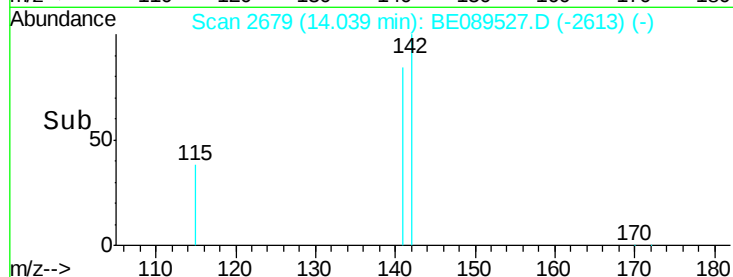
115 38.5 30.6 45.8



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



#6

Acenaphthene-d10

Concen: 5.00 ng

RT: 16.51 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

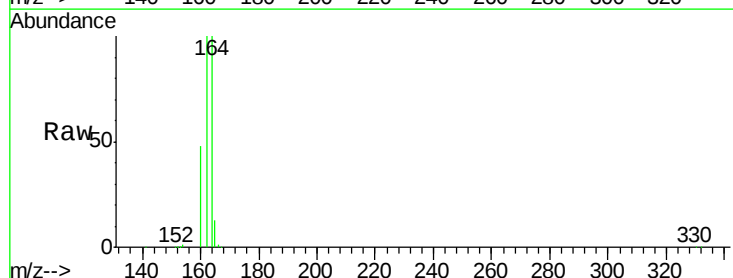
Tgt Ion:164 Resp: 59245

Ion Ratio Lower Upper

164 100

162 99.5 79.5 119.3

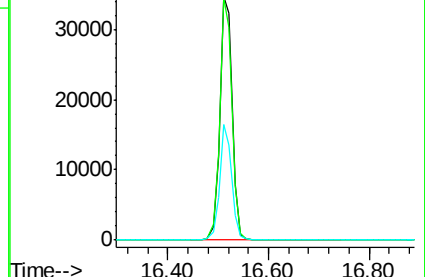
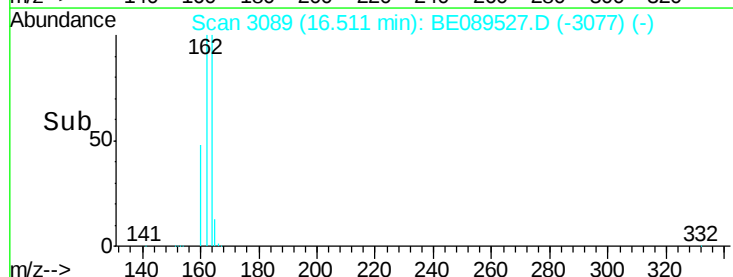
160 47.6 37.6 56.4

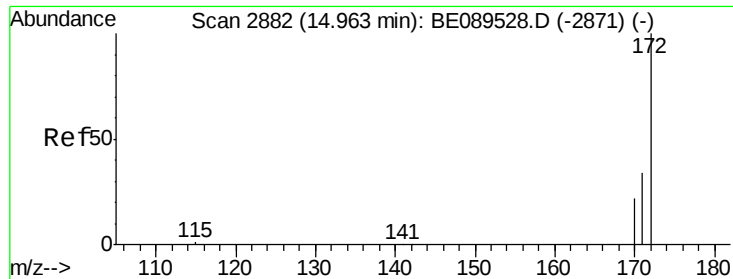


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#7

2-Fluorobiphenyl

Concen: 0.64 ng

RT: 14.97 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

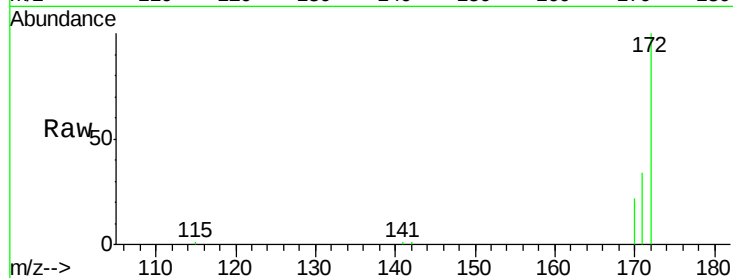
Tgt Ion:172 Resp: 11983

Ion Ratio Lower Upper

172 100

171 34.1 27.7 41.5

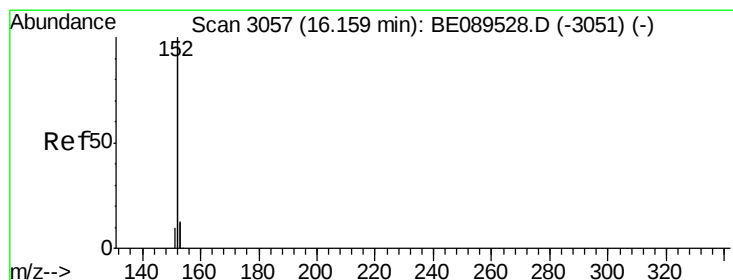
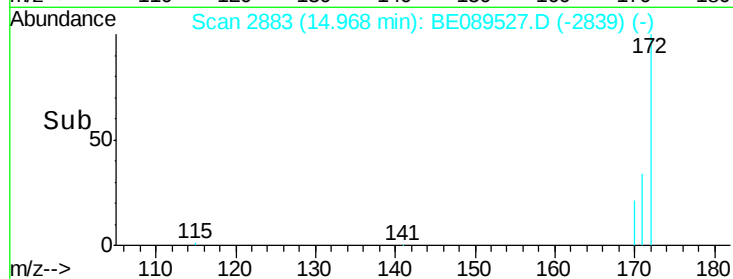
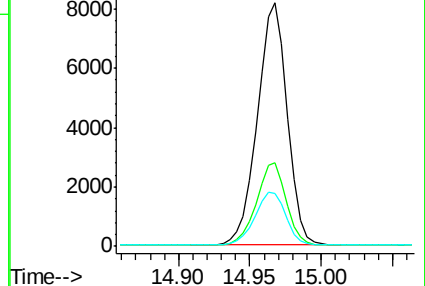
170 21.6 18.3 27.5



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: 0.61 ng

RT: 16.16 min Scan# 3057

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

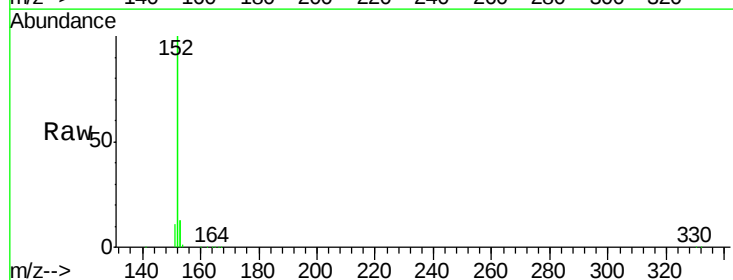
Tgt Ion:152 Resp: 75989

Ion Ratio Lower Upper

152 100

151 5.1 4.0 6.0

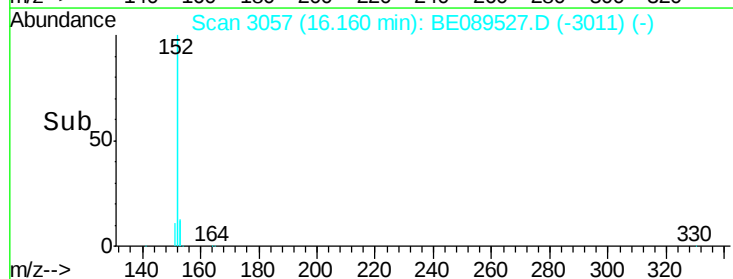
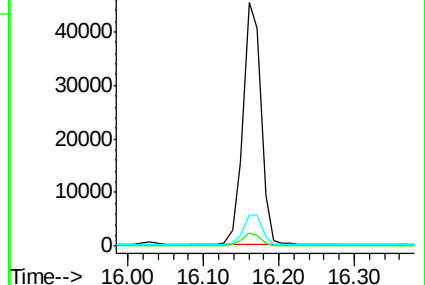
153 13.2 10.6 15.8

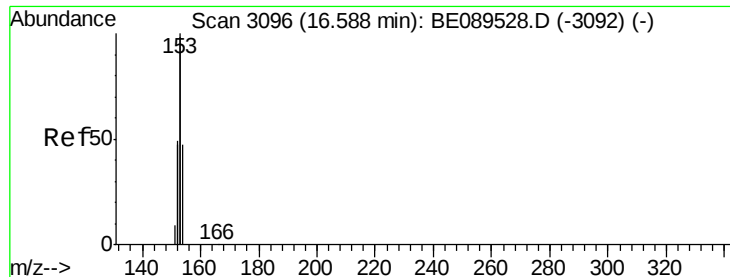


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 0.63 ng

RT: 16.59 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

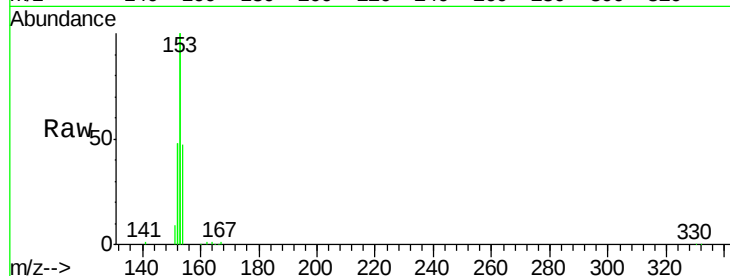
Tgt Ion:154 Resp: 12104

Ion Ratio Lower Upper

154 100

153 427.2 340.8 511.2

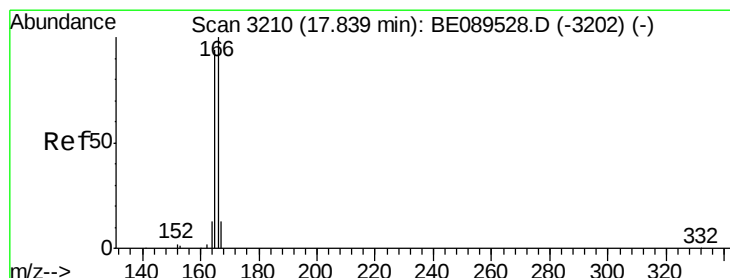
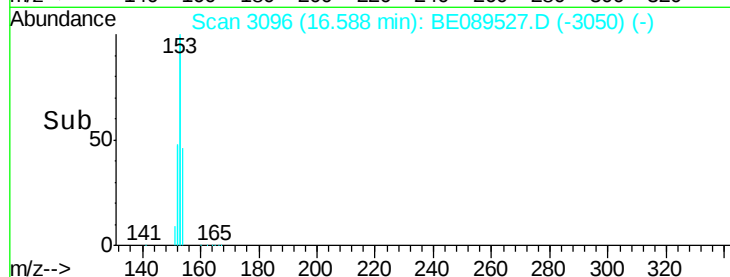
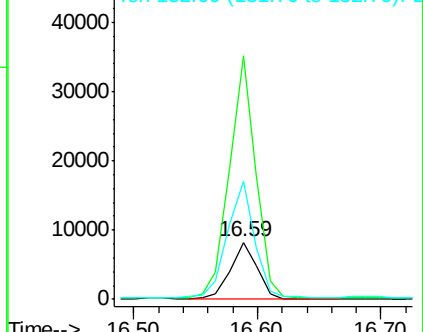
152 209.5 165.5 248.3



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: 0.60 ng

RT: 17.84 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

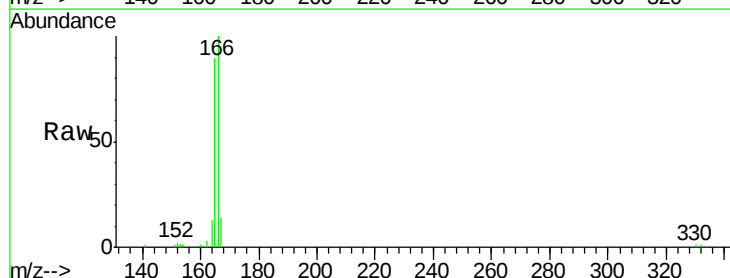
Tgt Ion:166 Resp: 12929

Ion Ratio Lower Upper

166 100

165 92.9 75.5 113.3

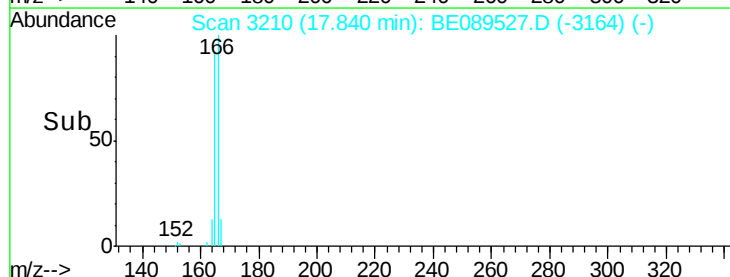
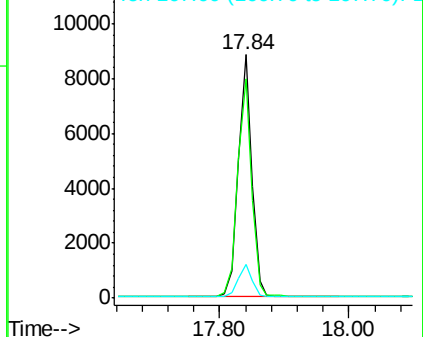
167 13.5 10.9 16.3

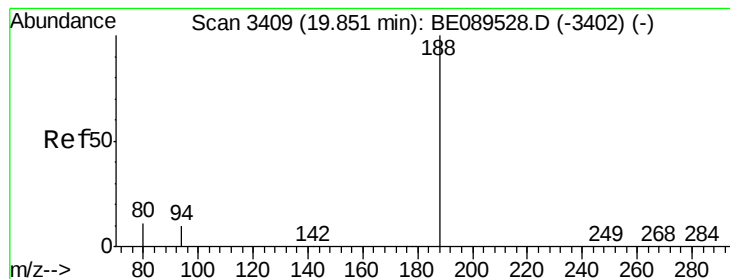


Abundance Ion 166.00 (165.70 to 166.70): E

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: 19.85 min Scan# 3409

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDICC0.8

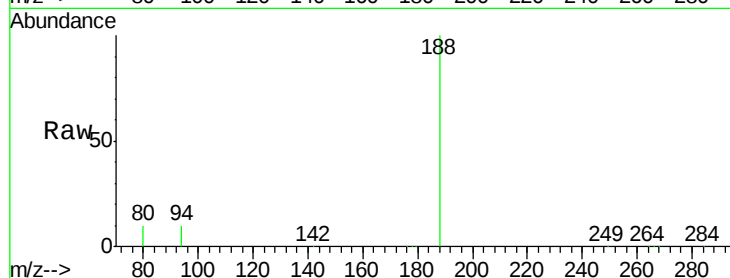
Tgt Ion:188 Resp: 108442

Ion Ratio Lower Upper

188 100

94 9.9 8.4 12.6

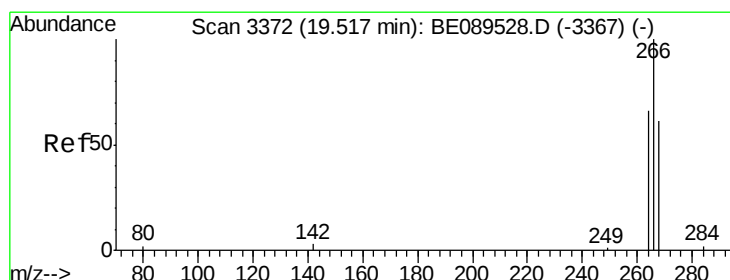
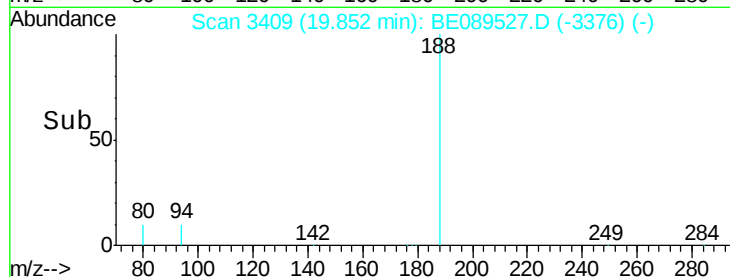
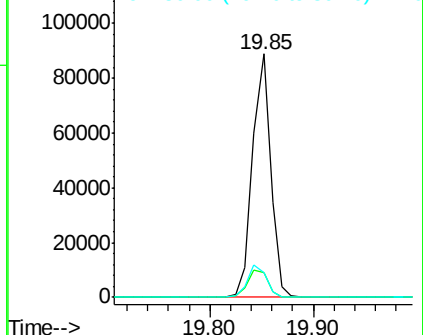
80 10.1 8.6 12.8



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

Pentachlorophenol

Concen: 0.31 ng

RT: 19.52 min Scan# 3372

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

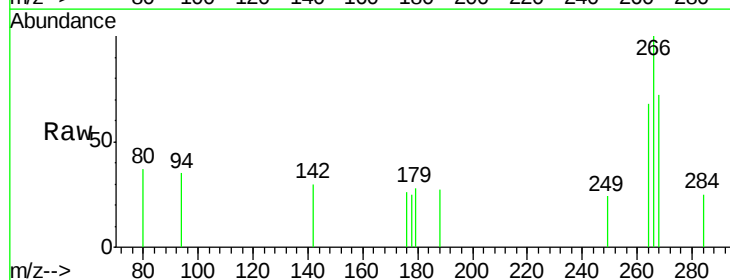
Tgt Ion:266 Resp: 256

Ion Ratio Lower Upper

266 100

268 71.6 57.9 86.9

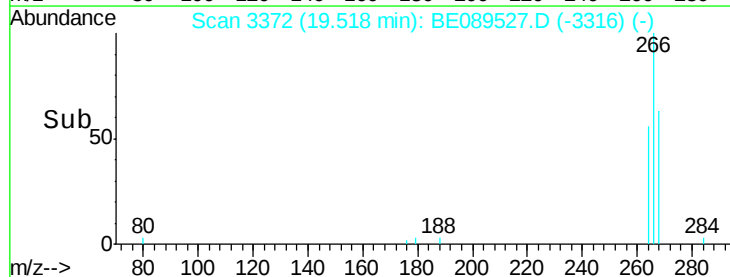
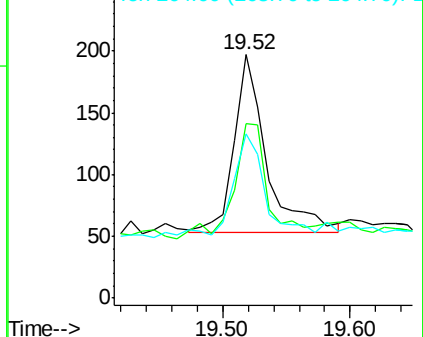
264 67.5 60.2 90.4

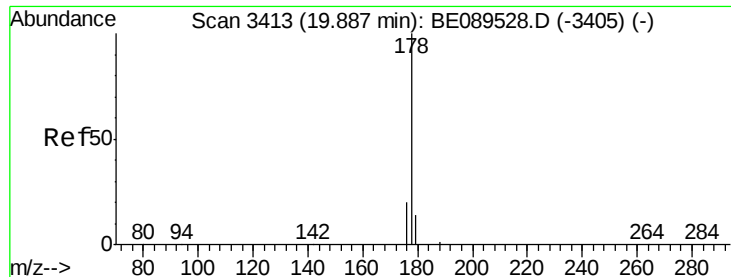


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

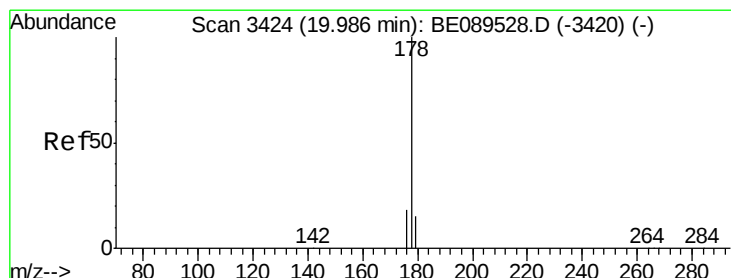
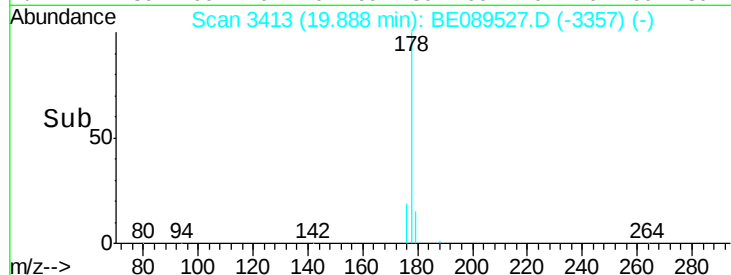
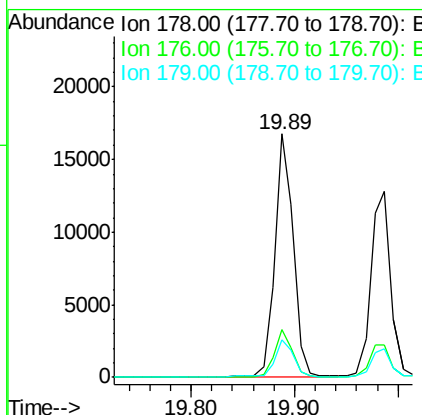
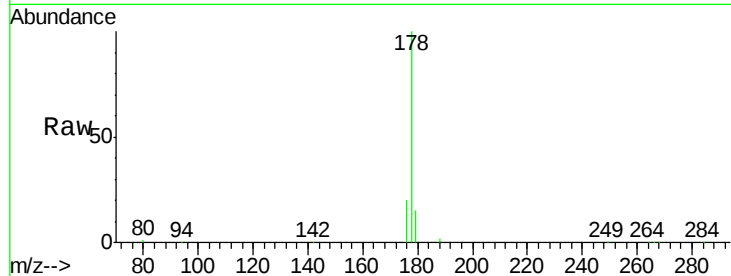




#13
Phenanthrene
Concen: 0.63 ng
RT: 19.89 min Scan# 3413
Delta R.T. 0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

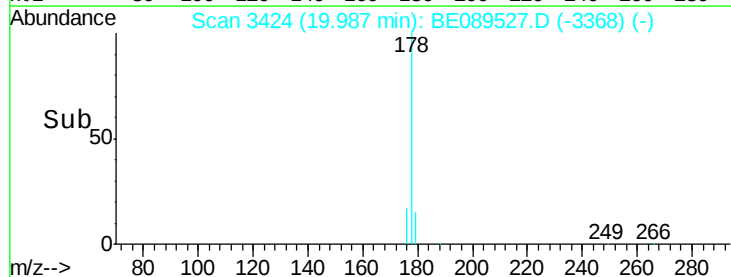
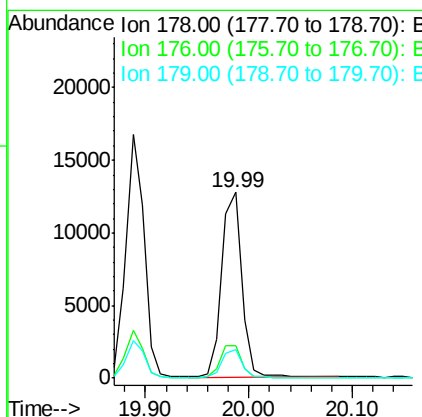
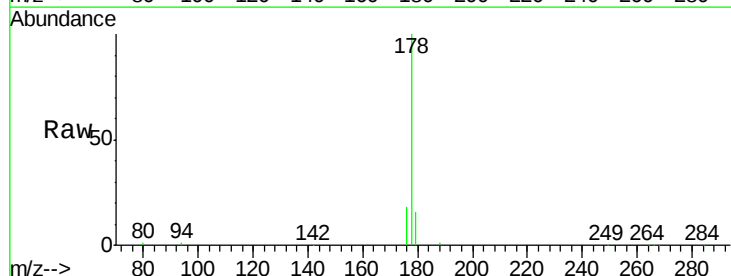
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

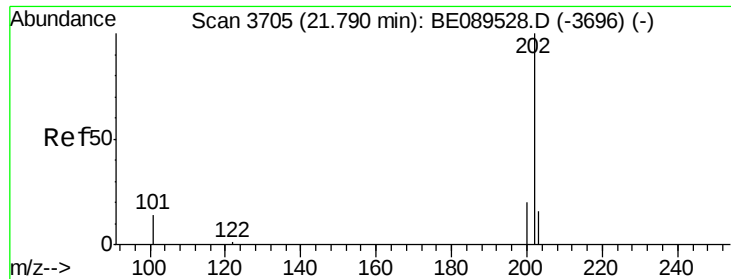
Tgt Ion:178 Resp: 20577
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.7 12.2 18.2



#14
Anthracene
Concen: 0.58 ng
RT: 19.99 min Scan# 3424
Delta R.T. 0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

Tgt Ion:178 Resp: 17156
Ion Ratio Lower Upper
178 100
176 18.1 14.5 21.7
179 14.9 12.2 18.2

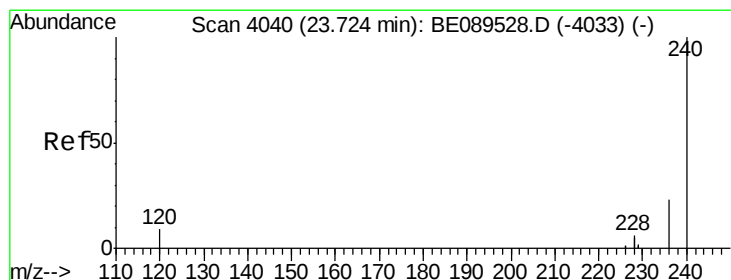
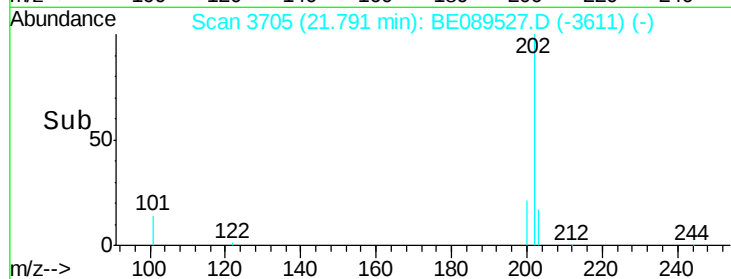
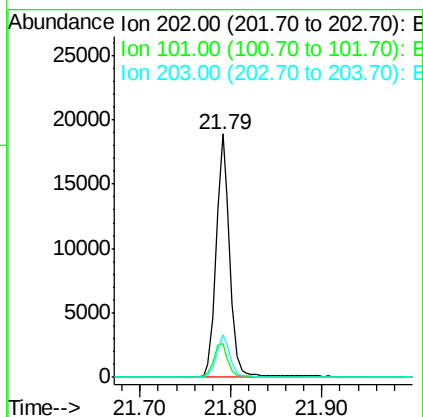
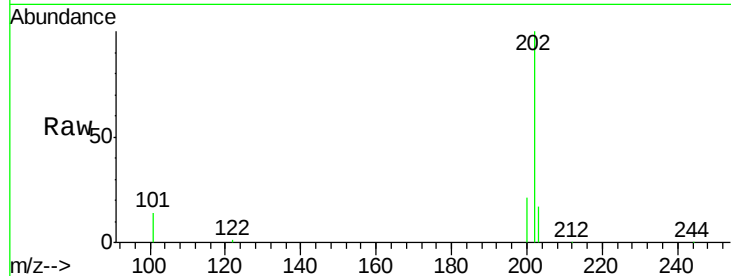




#15
 Fluoranthene
 Concen: 0.64 ng
 RT: 21.79 min Scan# 3705
 Delta R.T. 0.00 min
 Lab File: BE089527.D
 Acq: 6 Feb 2015 14:31

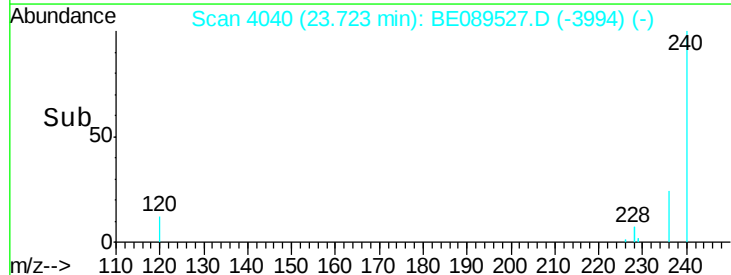
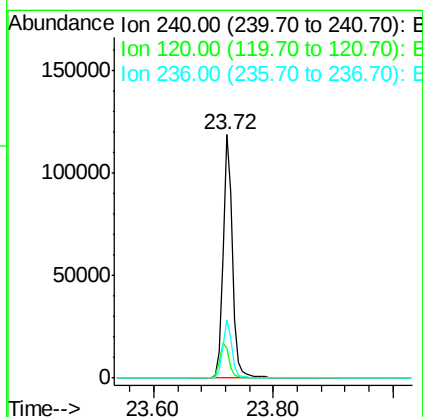
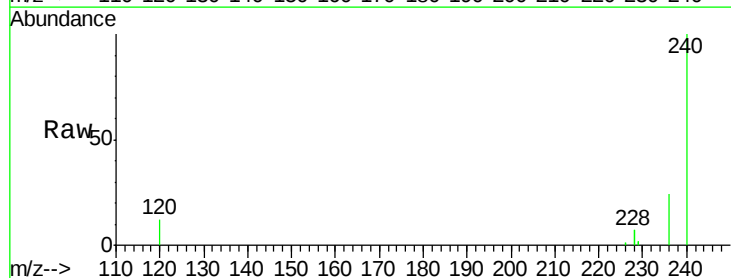
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

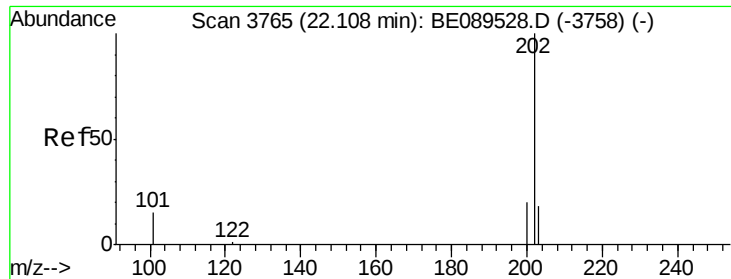
Tgt Ion:202 Resp: 19276
 Ion Ratio Lower Upper
 202 100
 101 14.3 11.6 17.4
 203 17.2 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4040
 Delta R.T. -0.00 min
 Lab File: BE089527.D
 Acq: 6 Feb 2015 14:31

Tgt Ion:240 Resp: 126518
 Ion Ratio Lower Upper
 240 100
 120 12.3 7.2 10.8#
 236 24.0 18.5 27.7

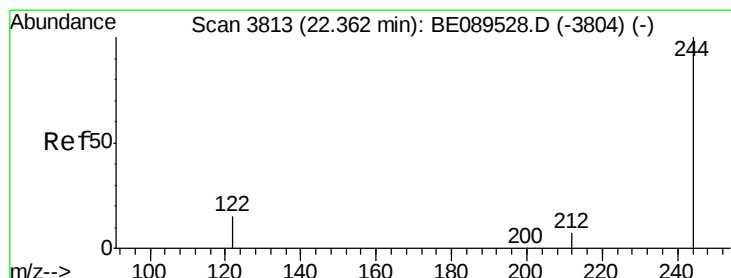
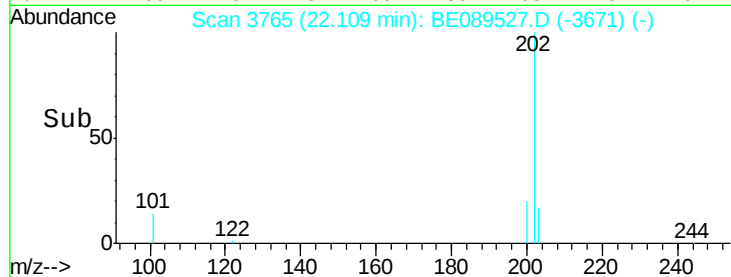
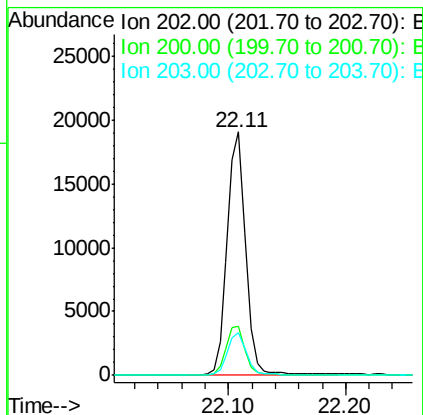
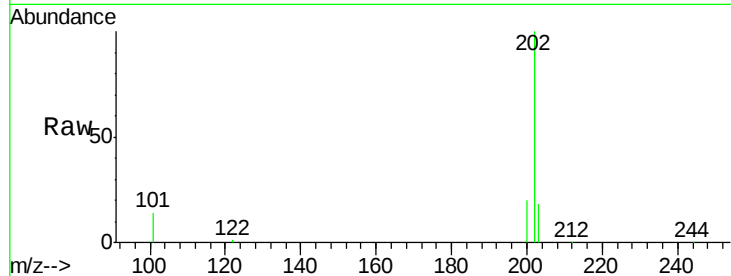




#17
 Pyrene
 Concen: 0.53 ng
 RT: 22.11 min Scan# 3765
 Delta R.T. 0.00 min
 Lab File: BE089527.D
 Acq: 6 Feb 2015 14:31

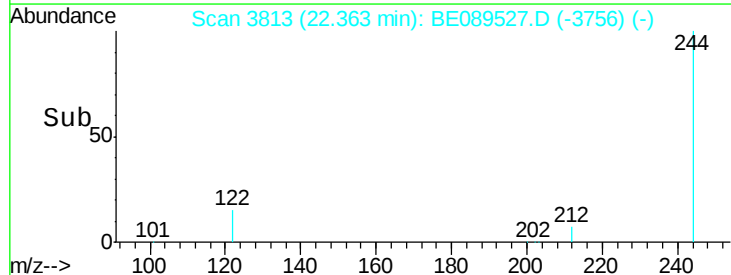
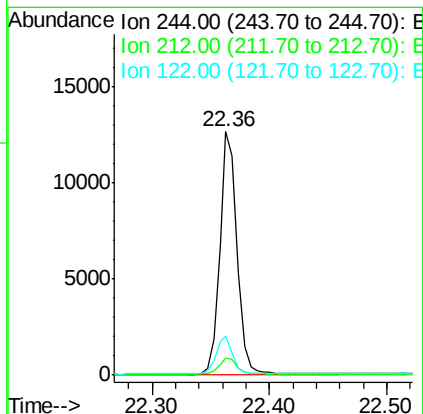
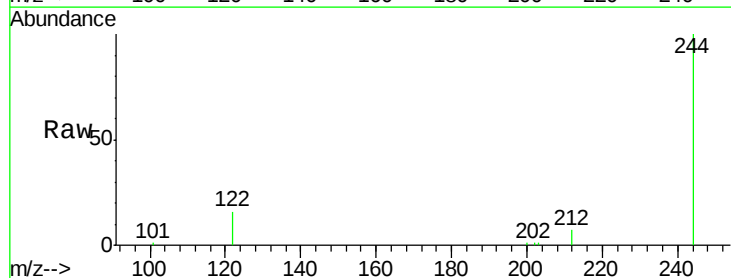
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

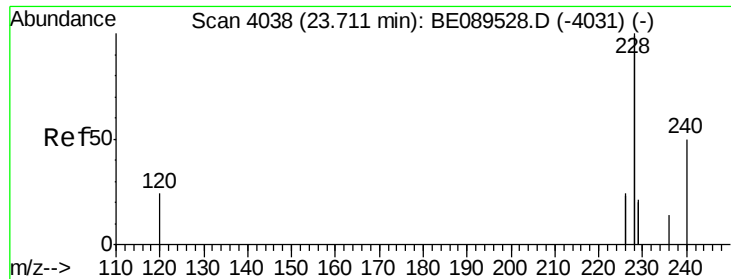
Tgt Ion:202 Resp: 20504
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.3 24.5
 203 17.4 13.5 20.3



#18
 Terphenyl-d14
 Concen: 0.57 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. 0.00 min
 Lab File: BE089527.D
 Acq: 6 Feb 2015 14:31

Tgt Ion:244 Resp: 12928
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 15.8 12.6 19.0





#19

Benzo(a)anthracene

Concen: 0.62 ng

RT: 23.71 min Scan# 4038

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

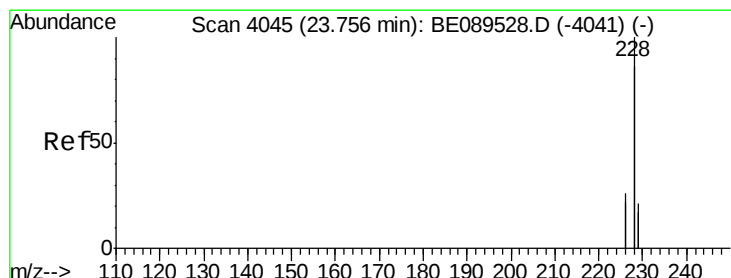
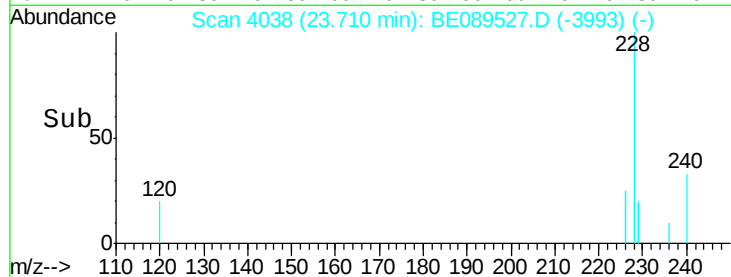
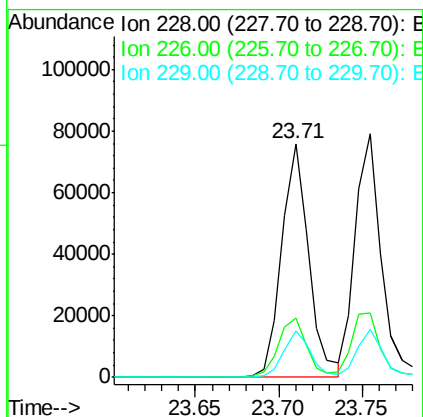
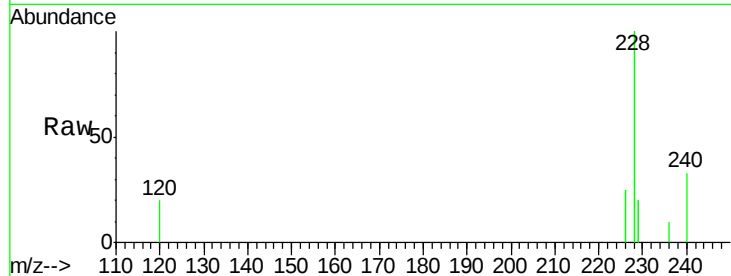
Tgt Ion:228 Resp: 85436

Ion Ratio Lower Upper

228 100

226 25.5 19.0 28.4

229 19.7 16.8 25.2



#20

Chrysene

Concen: 0.62 ng

RT: 23.75 min Scan# 4045

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

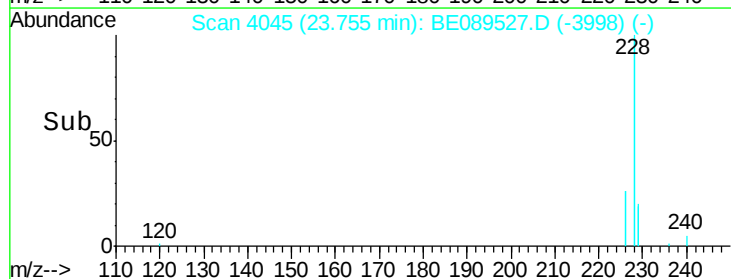
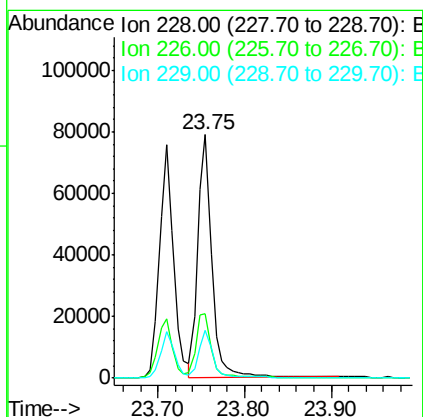
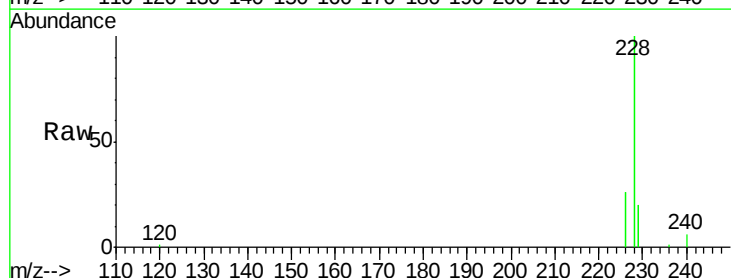
Tgt Ion:228 Resp: 88075

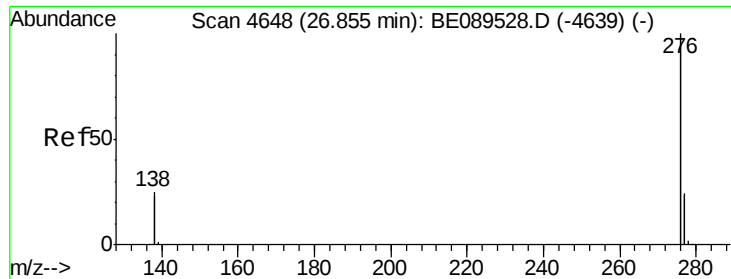
Ion Ratio Lower Upper

228 100

226 26.5 21.0 31.4

229 19.6 16.7 25.1

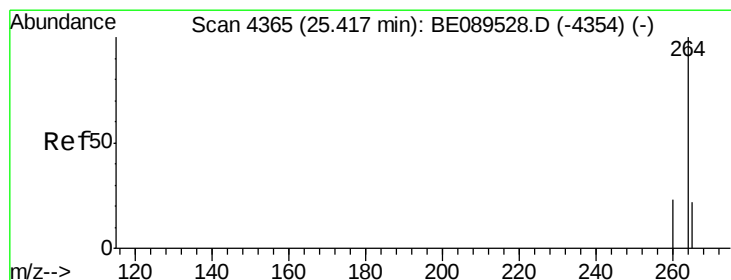
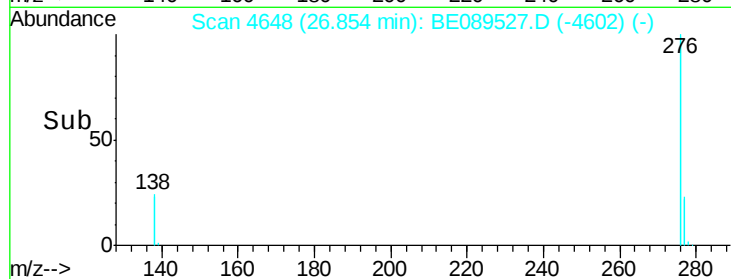
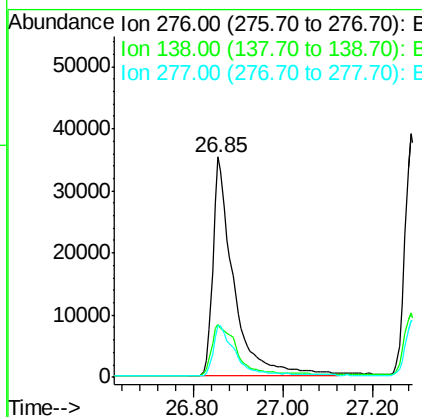
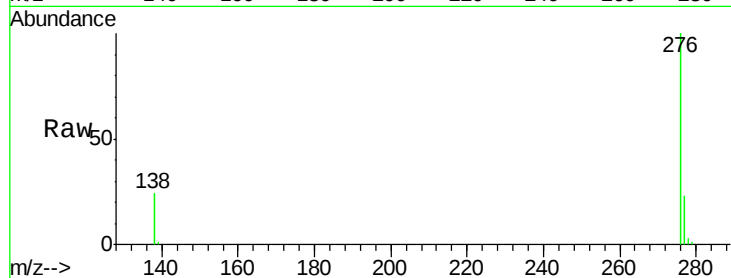




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.72 ng
 RT: 26.85 min Scan# 4648
 Delta R.T. -0.00 min
 Lab File: BE089527.D
 Acq: 6 Feb 2015 14:31

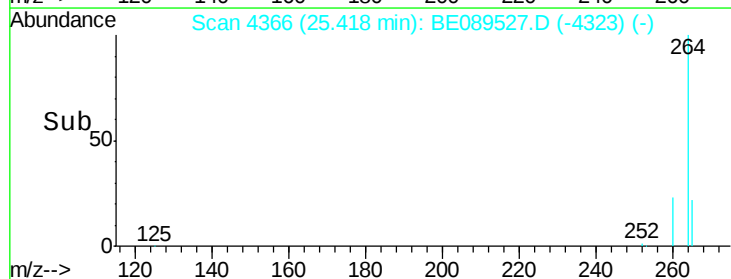
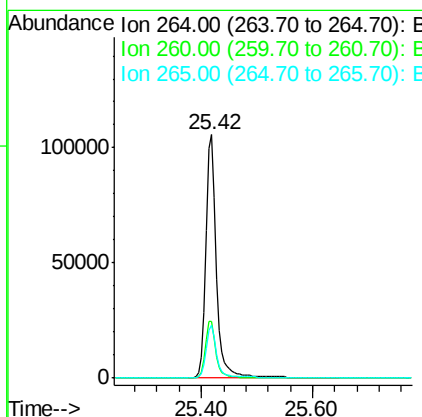
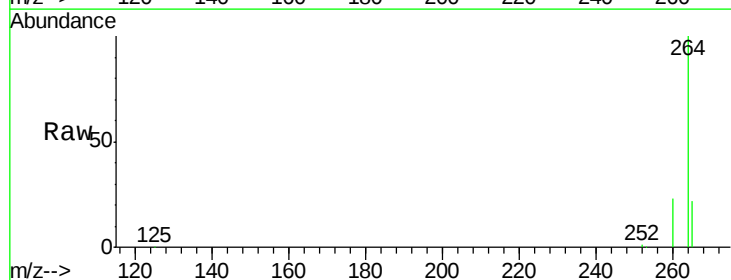
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

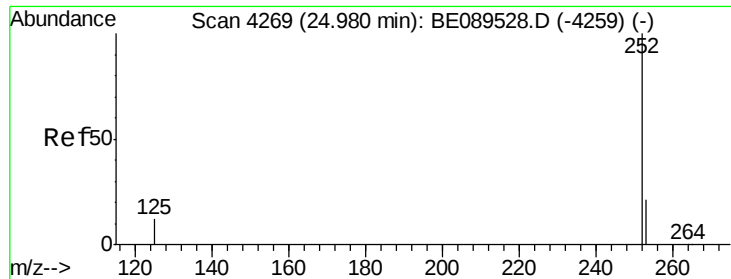
Tgt Ion: 276 Resp: 114606
 Ion Ratio Lower Upper
 276 100
 138 27.9 23.0 34.4
 277 24.5 19.9 29.9



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.42 min Scan# 4366
 Delta R.T. 0.00 min
 Lab File: BE089527.D
 Acq: 6 Feb 2015 14:31

Tgt Ion: 264 Resp: 137832
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.9 17.5 26.3





#23

Benzo(b)fluoranthene

Concen: 0.67 ng

RT: 24.98 min Scan# 4269

Delta R.T. -0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

Instrument :

BNA_E

LabSampleId :

SSTDIC0.8

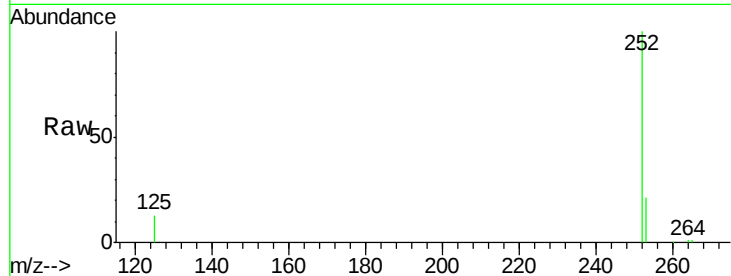
Tgt Ion:252 Resp: 20580

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

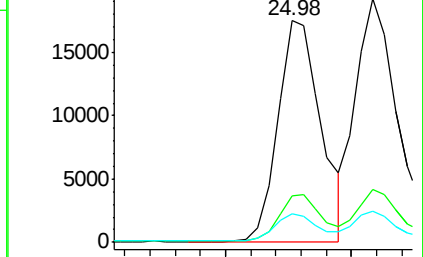
125 12.9 10.4 15.6



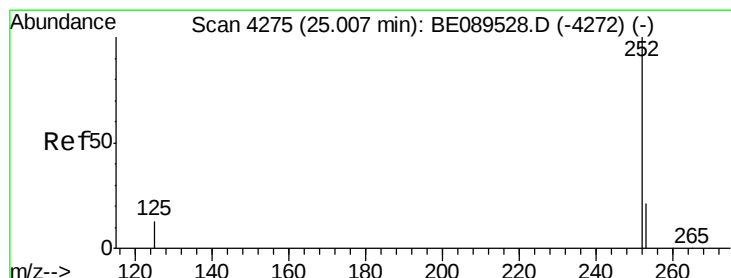
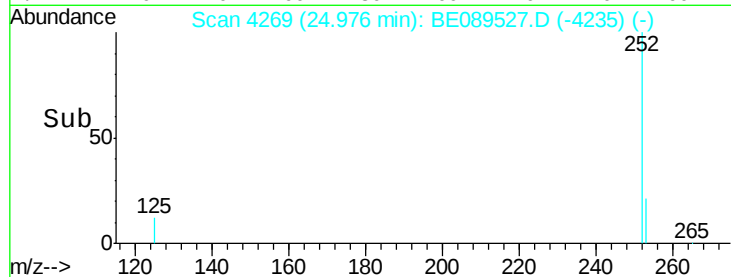
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.59 ng

RT: 25.01 min Scan# 4276

Delta R.T. 0.00 min

Lab File: BE089527.D

Acq: 6 Feb 2015 14:31

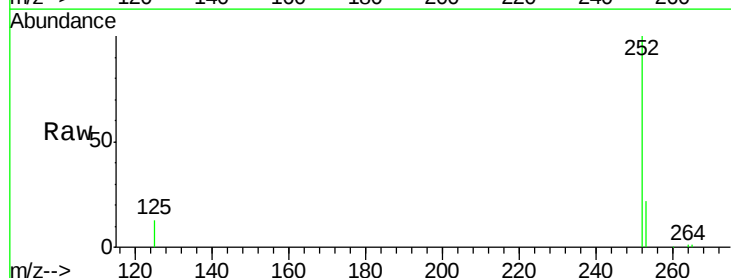
Tgt Ion:252 Resp: 25843

Ion Ratio Lower Upper

252 100

253 22.0 17.2 25.8

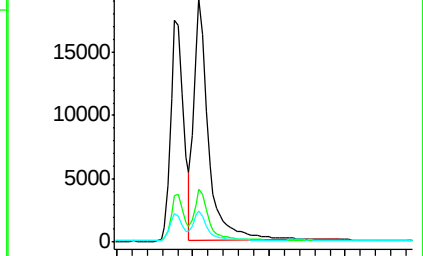
125 12.6 10.6 15.8



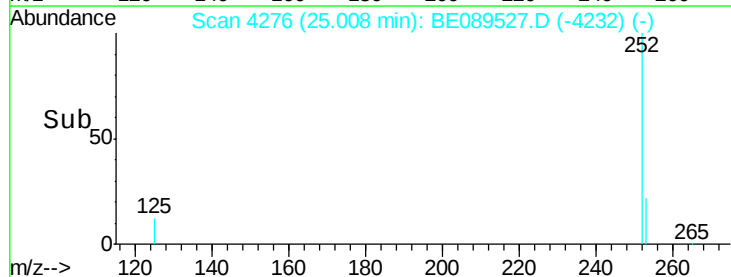
Abundance Ion 252.00 (251.70 to 252.70): E

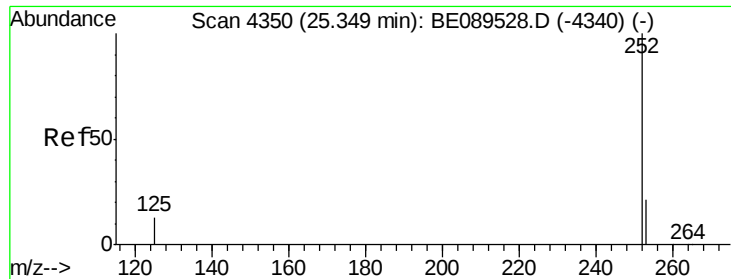
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->

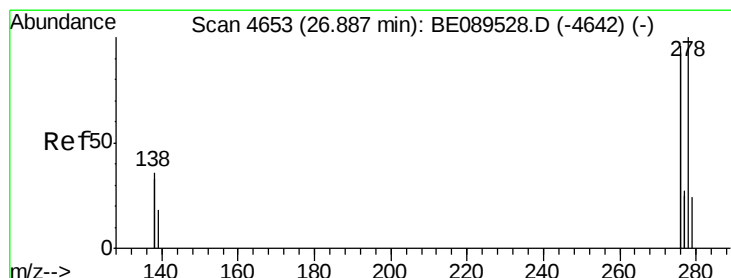
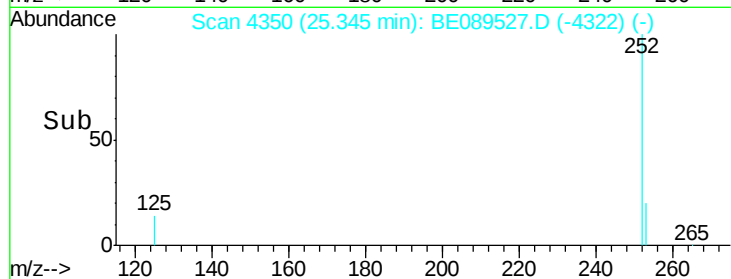
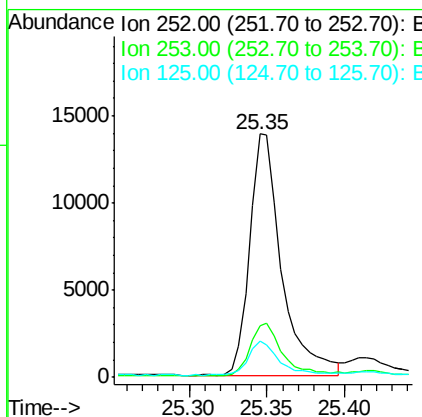
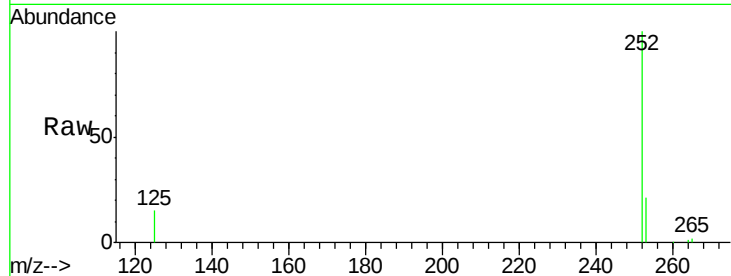




#25
Benzo(a)pyrene
Concen: 0.62 ng
RT: 25.35 min Scan# 4350
Delta R.T. -0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

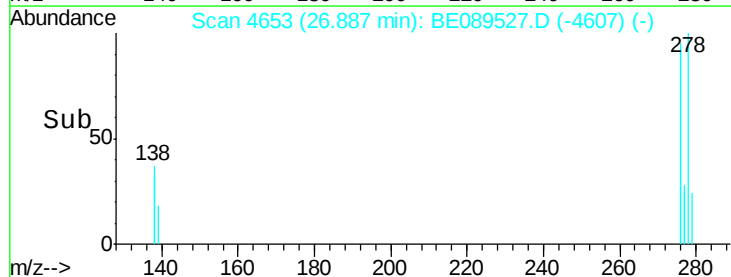
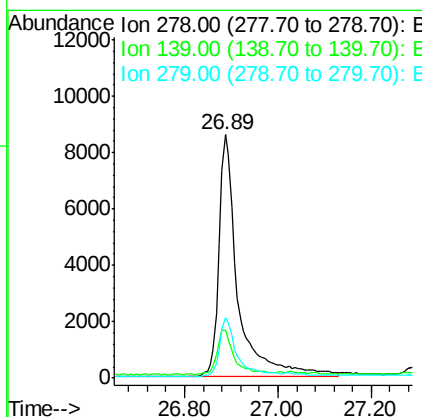
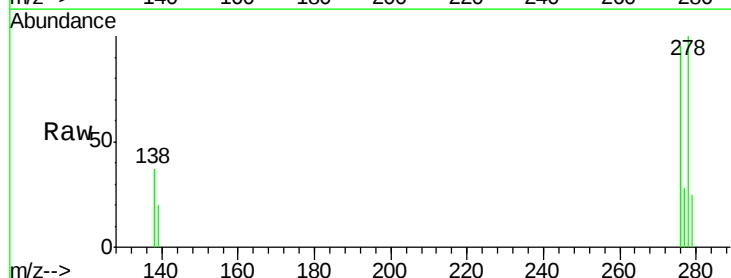
Instrument :
BNA_E
LabSampleId :
SSTDIC0.8

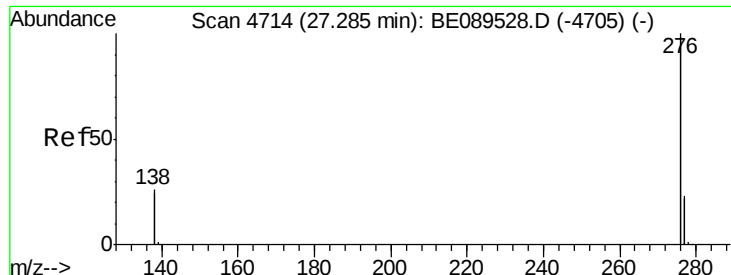
Tgt Ion: 252 Resp: 19867
Ion Ratio Lower Upper
252 100
253 21.1 17.8 26.6
125 14.9 11.4 17.2



#26
Dibenzo(a,h)anthracene
Concen: 0.68 ng
RT: 26.89 min Scan# 4653
Delta R.T. -0.00 min
Lab File: BE089527.D
Acq: 6 Feb 2015 14:31

Tgt Ion: 278 Resp: 24291
Ion Ratio Lower Upper
278 100
139 19.5 15.7 23.5
279 25.0 19.5 29.3

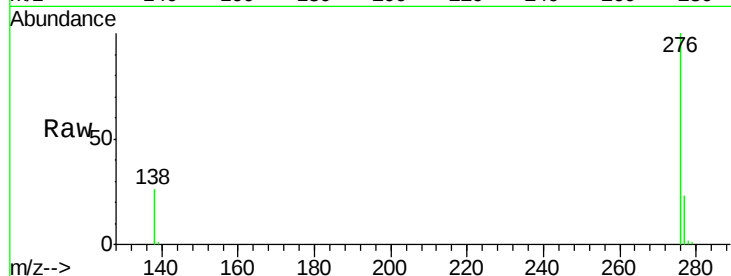




#27
 Benzo(g,h,i)perylene
 Concen: 0.66 ng
 RT: 27.28 min Scan# 4714
 Delta R.T. -0.00 min
 Lab File: BE089527.D
 Acq: 6 Feb 2015 14:31

Instrument :
 BNA_E
 LabSampleId :
 SSTDICC0.8

Tgt Ion: 276 Resp: 97960
 Ion Ratio Lower Upper
 276 100
 277 23.4 18.6 27.8
 138 26.3 20.9 31.3



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

