

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088424.D
 Acq On : 31 Oct 2014 15:52
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Quant Time: Nov 01 00:24:47 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:20:37 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	39470	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	152039	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	71375	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	139555	5.00	ng	0.00
16) Chrysene-d12	18.31	240	65396	5.00	ng	0.00
22) Perylene-d12	21.37	264	55964	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.77	82	5659	0.51	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	10560	0.52	ng	0.00
18) Terphenyl-d14	16.08	244	6151	0.51	ng	0.00

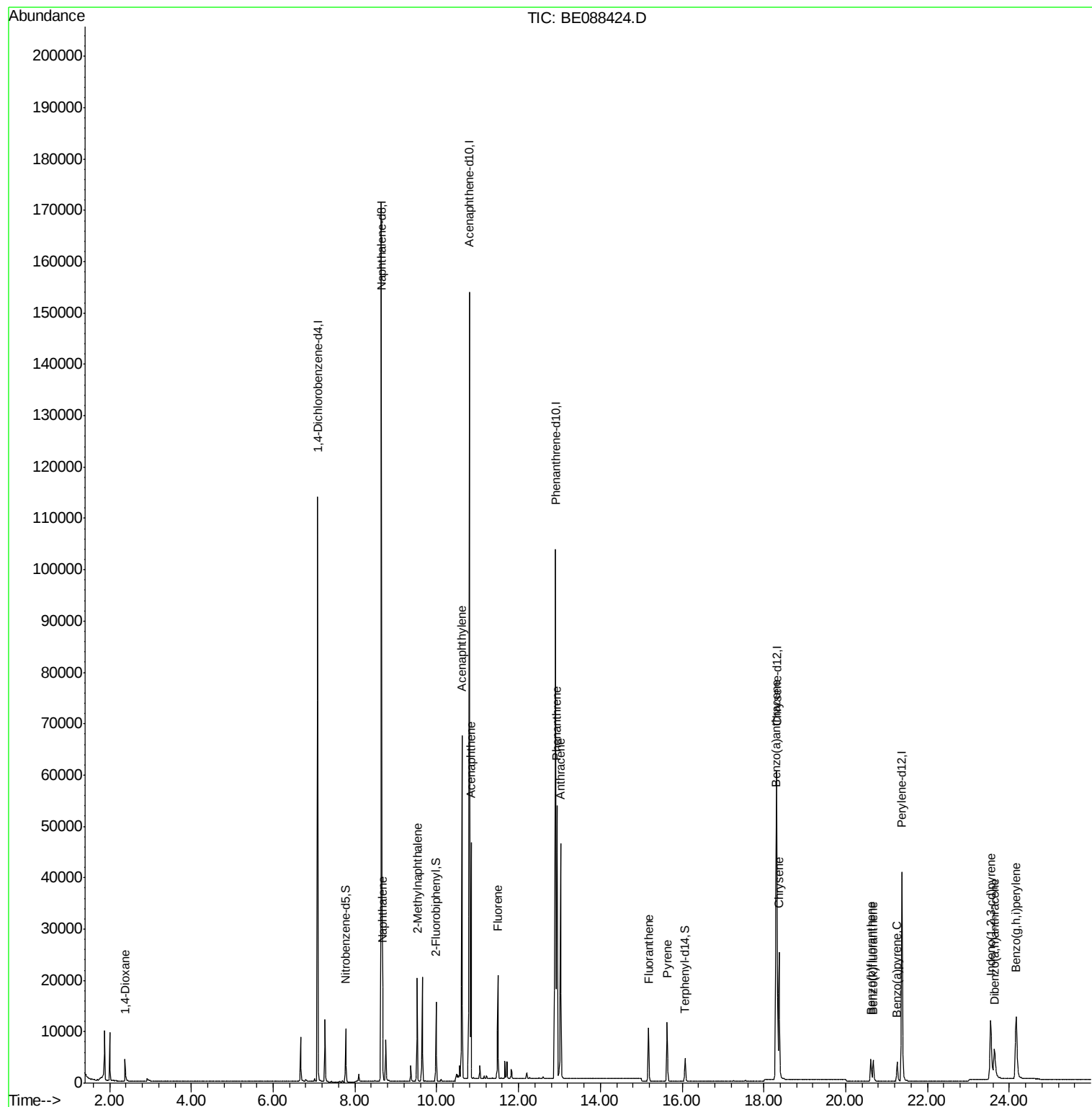
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.38	88	2603	0.50	ng	100
5) Naphthalene	8.67	128	16375	0.51	ng	98
6) 2-Methylnaphthalene	9.53	142	10181	0.52	ng	98
9) Acenaphthylene	10.62	152	59491	0.51	ng	99
10) Acenaphthene	10.84	154	9107	0.52	ng	98
11) Fluorene	11.49	166	9842	0.53	ng	100
13) Phenanthrene	12.94	178	71240	0.50	ng	97
14) Anthracene	13.02	178	52630	0.51	ng	99
15) Fluoranthene	15.18	202	10461	0.51	ng	100
17) Pyrene	15.64	202	11062	0.52	ng	100
19) Benzo(a)anthracene	18.29	228	30518	0.49	ng	97
20) Chrysene	18.37	228	30801	0.51	ng	97
21) Indeno(1,2,3-cd)pyrene	23.55	276	21185	0.37	ng	# 87
23) Benzo(b)fluoranthene	20.61	252	6107	0.50	ng	99
24) Benzo(k)fluoranthene	20.67	252	6795	0.50	ng	98
25) Benzo(a)pyrene	21.26	252	5848	0.50	ng	99
26) Dibenzo(a,h)anthracene	23.64	278	5405	0.50	ng	96
27) Benzo(g,h,i)perylene	24.17	276	25107	0.50	ng	98

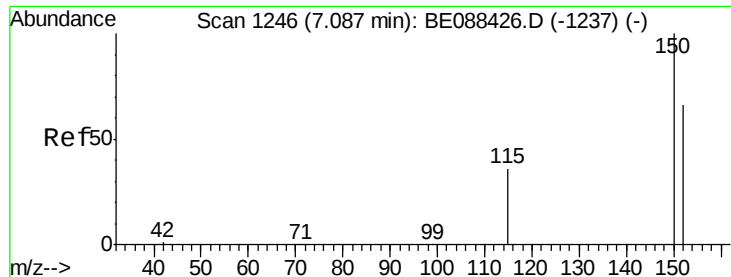
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088424.D
Acq On : 31 Oct 2014 15:52
Operator : TP/JJ
Sample : SSTDIC0.5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

Quant Time: Nov 01 00:24:47 2014
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Nov 01 00:20:37 2014
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

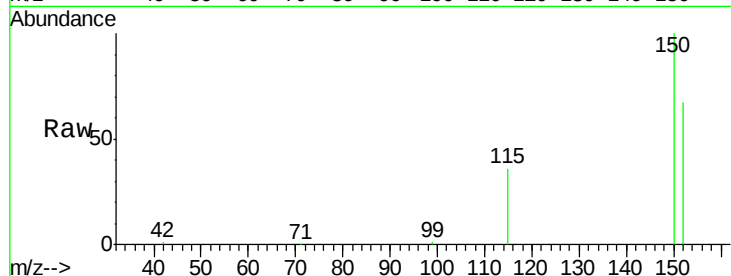
Tgt Ion:152 Resp: 39470

Ion Ratio Lower Upper

152 100

150 150.1 121.8 182.8

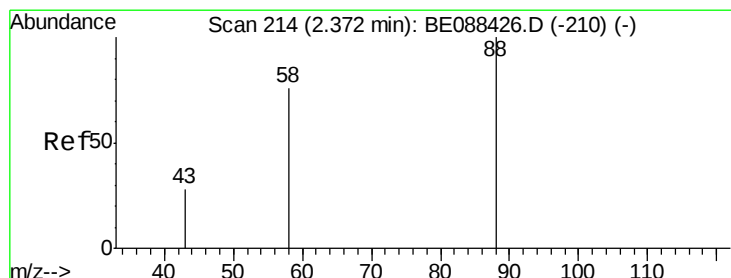
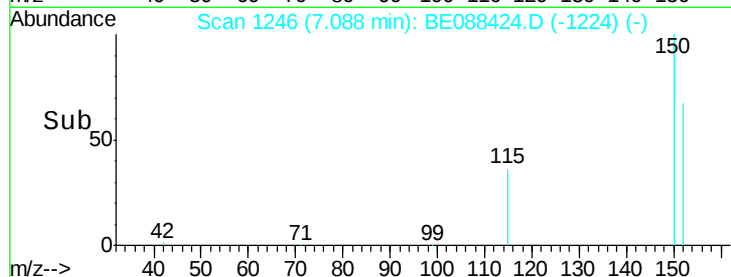
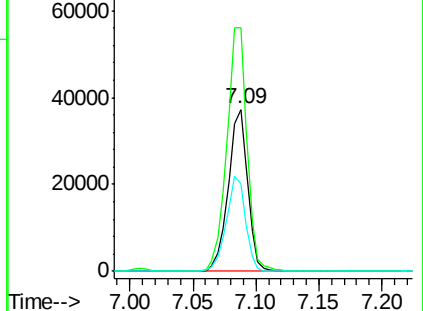
115 53.6 43.9 65.9



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: 0.50 ng

RT: 2.38 min Scan# 216

Delta R.T. 0.01 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

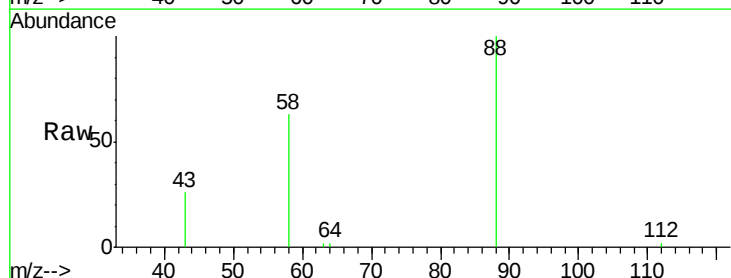
Tgt Ion: 88 Resp: 2603

Ion Ratio Lower Upper

88 100

58 74.3 59.1 88.7

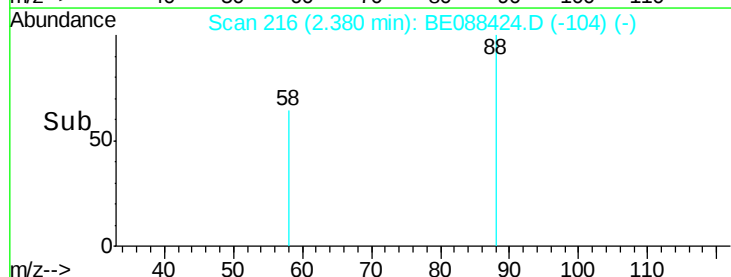
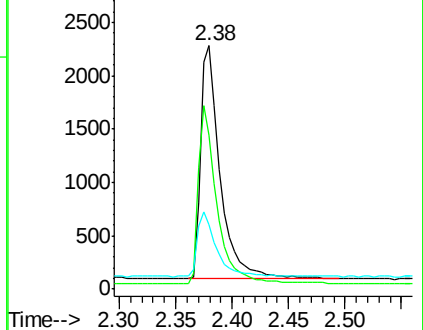
43 27.7 21.9 32.9

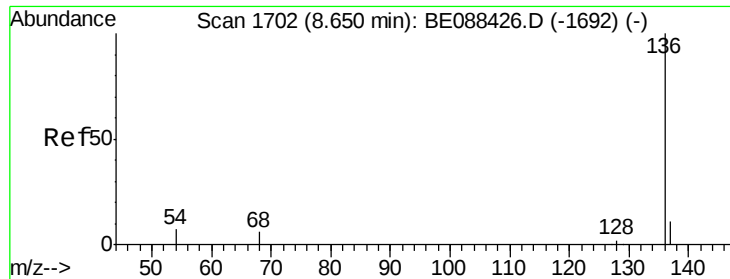


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1701

Delta R.T. -0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

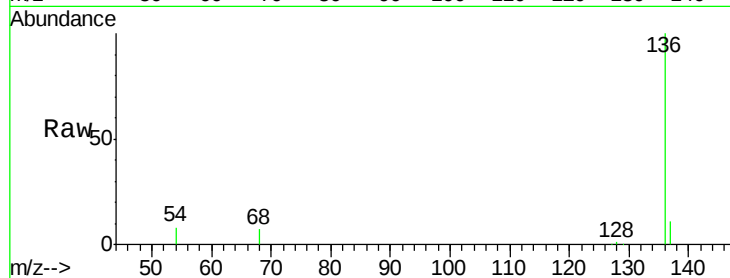
Tgt Ion:136 Resp: 152039

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

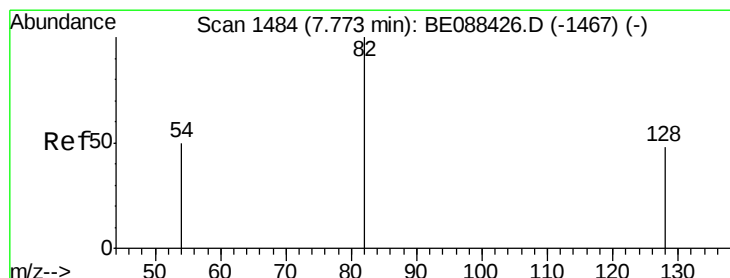
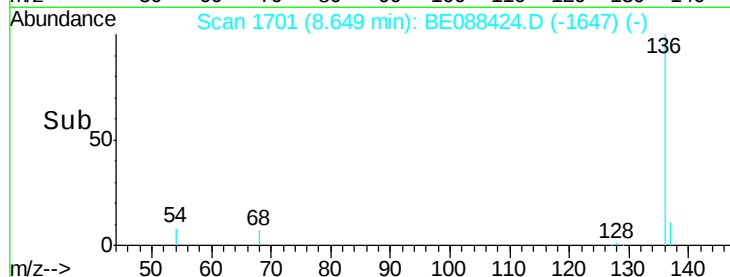
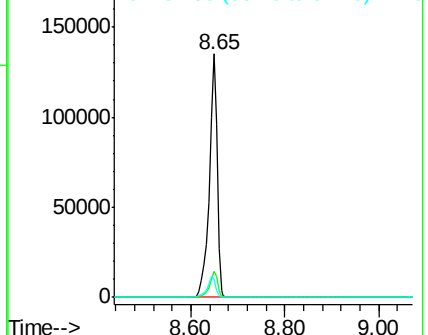
54 7.6 5.3 7.9



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



#4

Nitrobenzene-d5

Concen: 0.51 ng

RT: 7.77 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

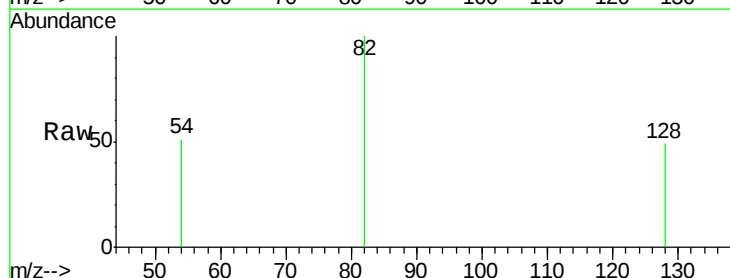
Tgt Ion: 82 Resp: 5659

Ion Ratio Lower Upper

82 100

128 49.1 38.4 57.6

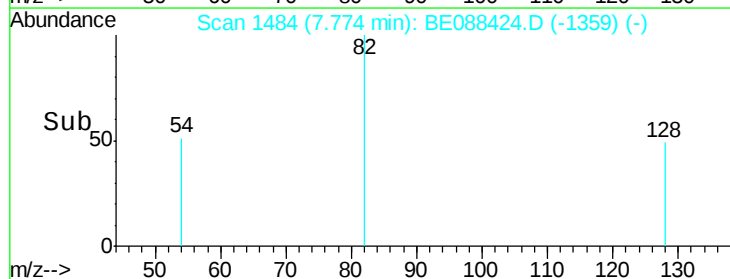
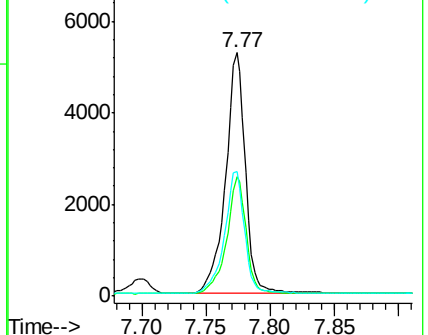
54 51.4 40.2 60.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Naphthalene

Concen: 0.51 ng

RT: 8.67 min Scan# 1706

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

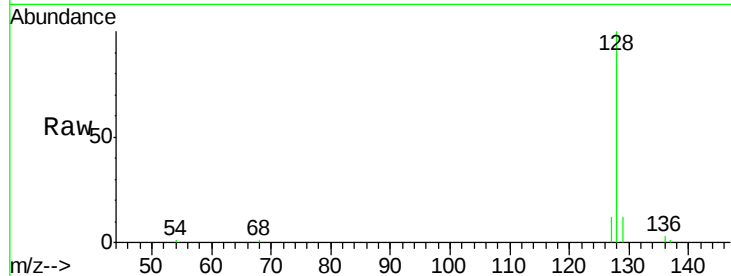
Tgt Ion:128 Resp: 16375

Ion Ratio Lower Upper

128 100

129 11.6 8.6 12.8

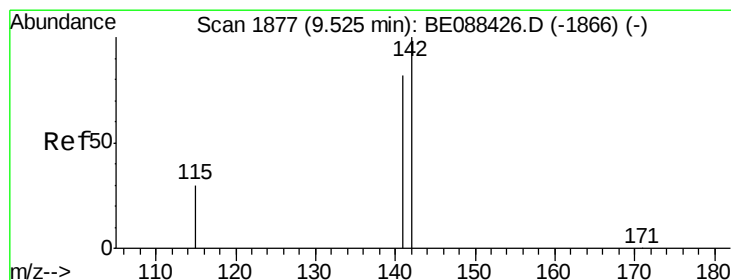
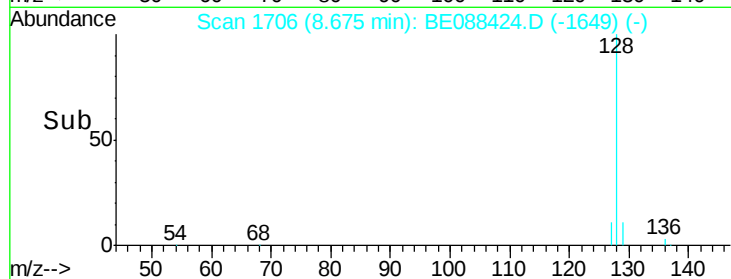
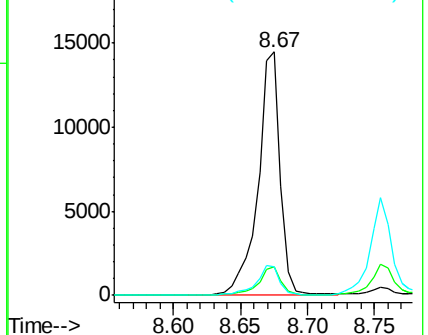
127 11.6 10.1 15.1



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



#6

2-Methylnaphthalene

Concen: 0.52 ng

RT: 9.53 min Scan# 1876

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

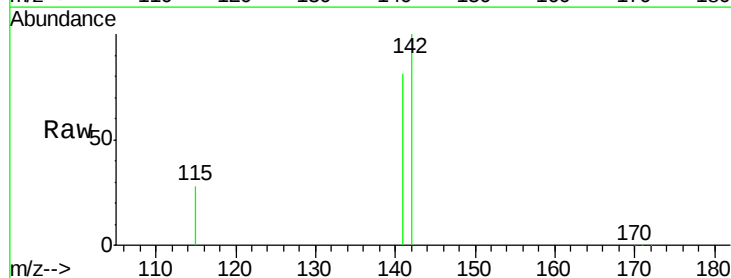
Tgt Ion:142 Resp: 10181

Ion Ratio Lower Upper

142 100

141 80.5 65.8 98.8

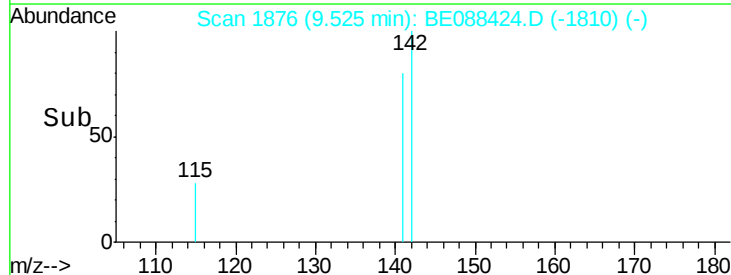
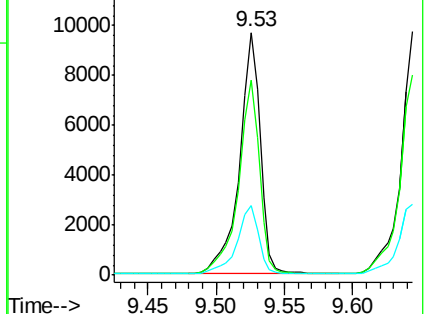
115 28.5 24.2 36.4



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





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

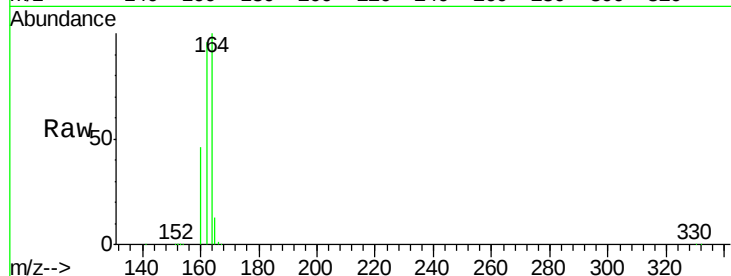
Tgt Ion:164 Resp: 71375

Ion Ratio Lower Upper

164 100

162 95.9 77.0 115.4

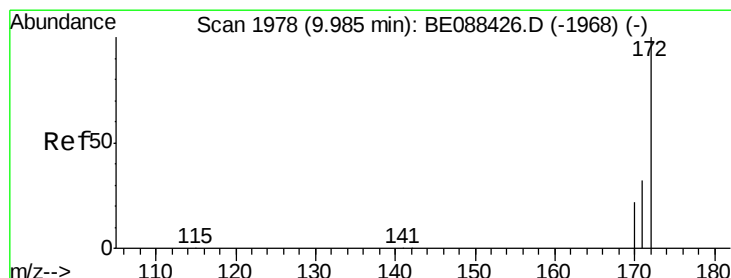
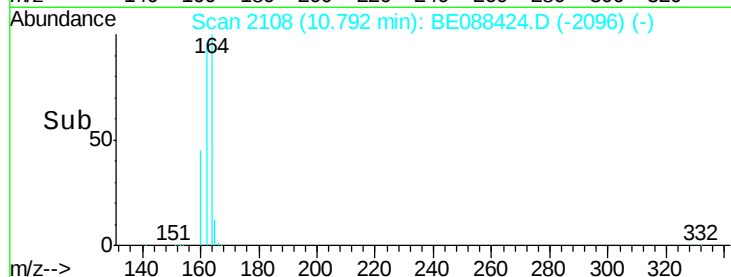
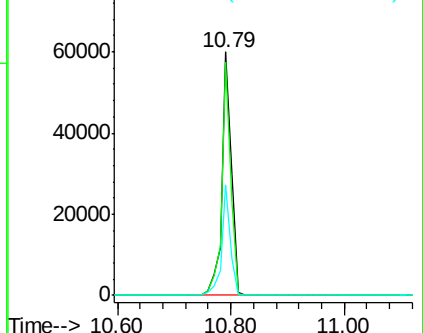
160 45.5 36.8 55.2



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



#8

2-Fluorobiphenyl

Concen: 0.52 ng

RT: 9.99 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

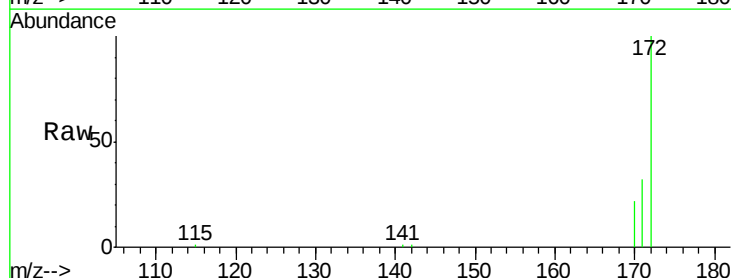
Tgt Ion:172 Resp: 10560

Ion Ratio Lower Upper

172 100

171 31.9 26.0 39.0

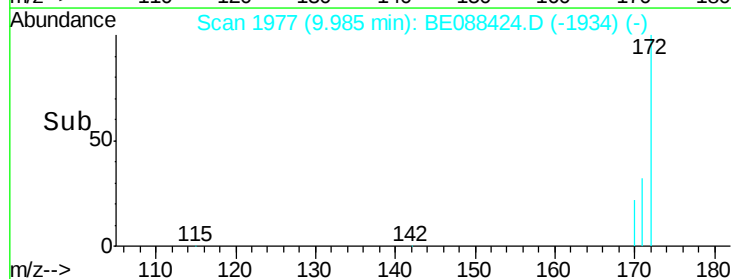
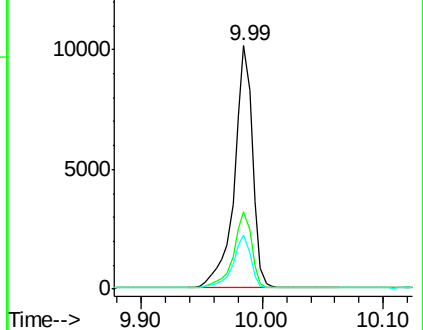
170 22.4 17.6 26.4

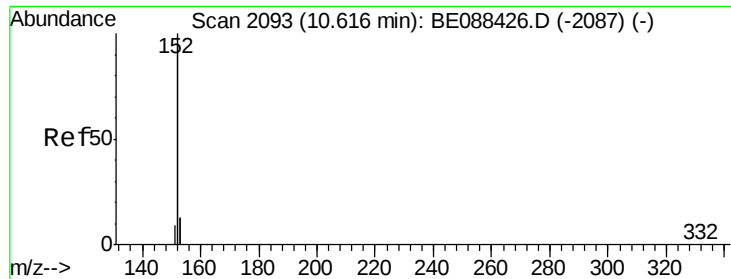


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 0.51 ng

RT: 10.62 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

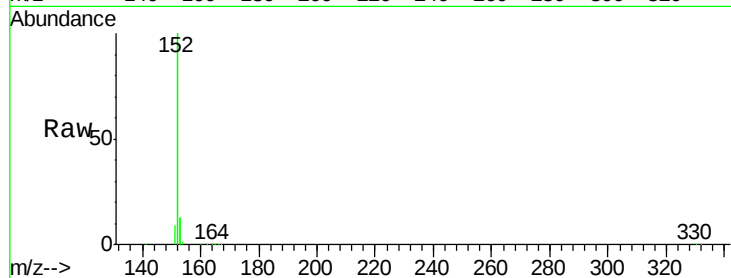
Tgt Ion:152 Resp: 59491

Ion Ratio Lower Upper

152 100

151 4.8 4.4 6.6

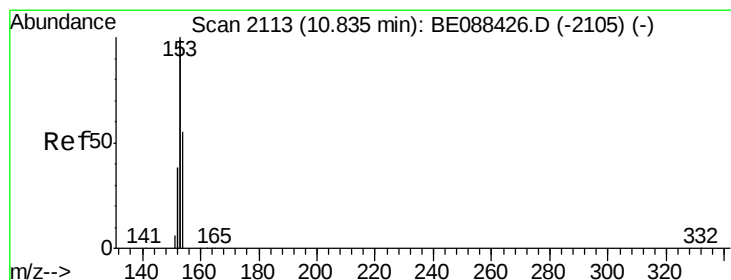
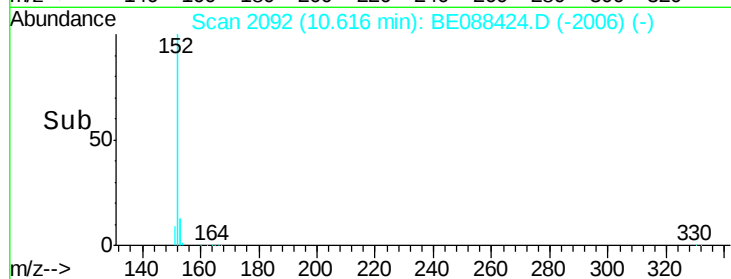
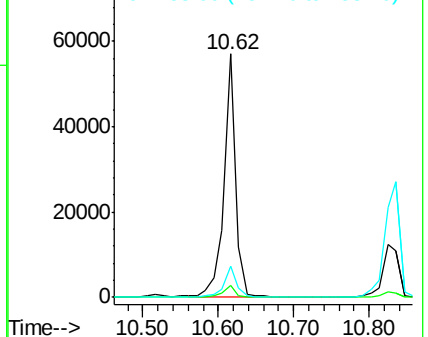
153 12.8 10.5 15.7



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



#10

Acenaphthene

Concen: 0.52 ng

RT: 10.84 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

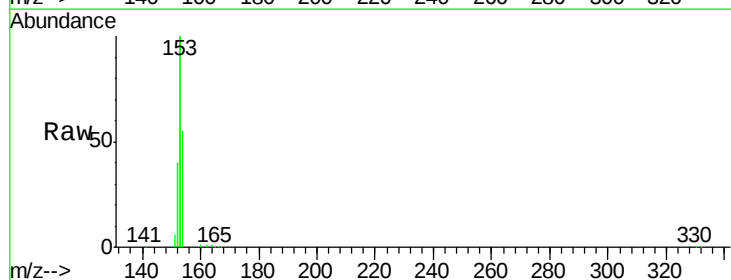
Tgt Ion:154 Resp: 9107

Ion Ratio Lower Upper

154 100

153 400.2 324.3 486.5

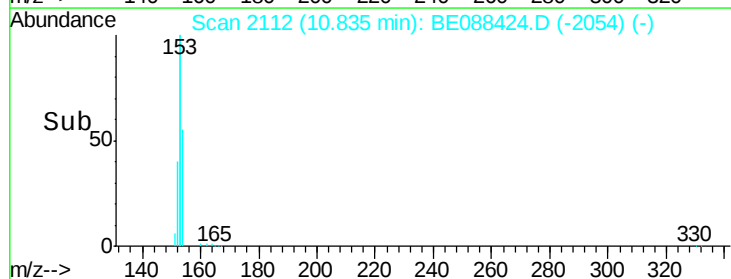
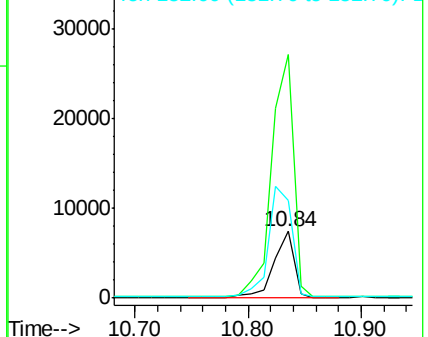
152 191.5 154.9 232.3

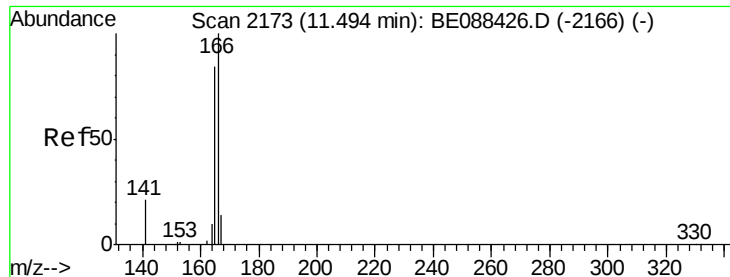


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

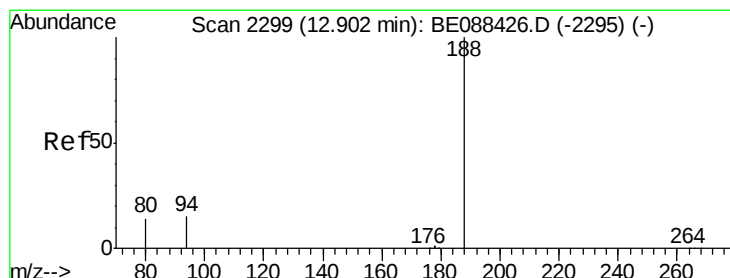
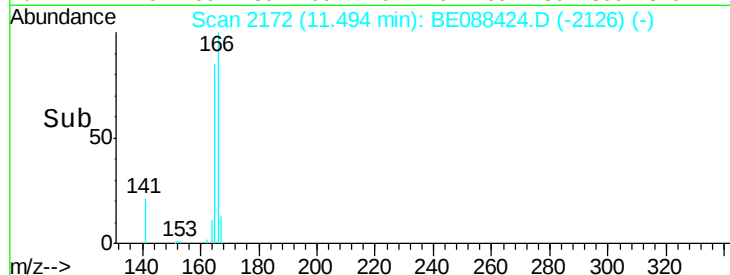
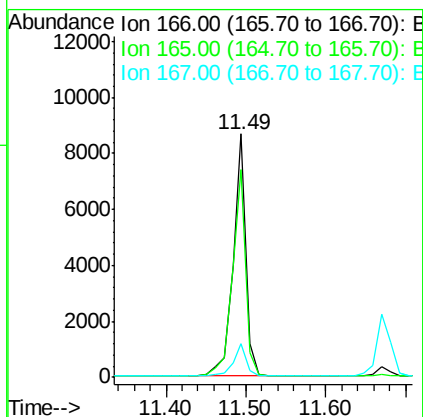
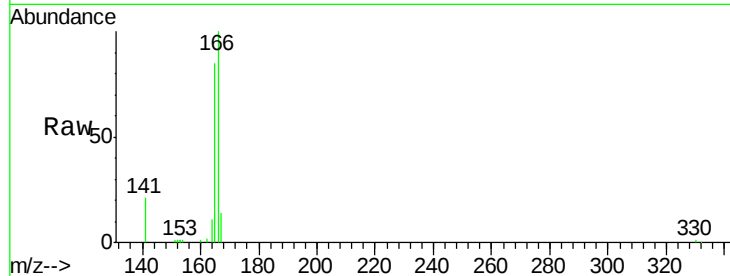




#11
Fluorene
 Concen: 0.53 ng
 RT: 11.49 min Scan# 2172
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

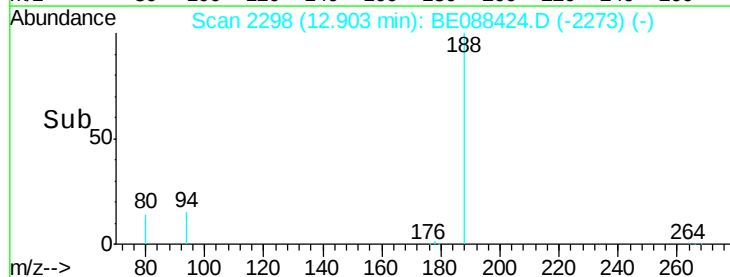
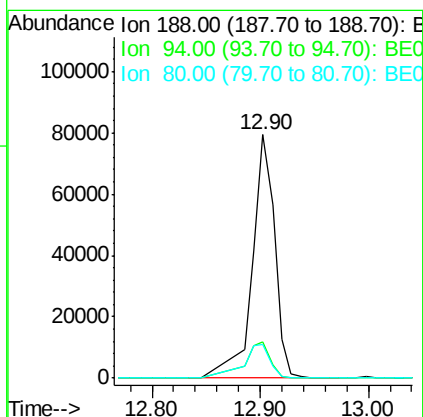
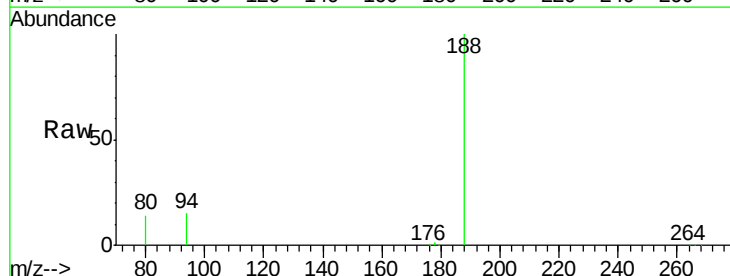
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

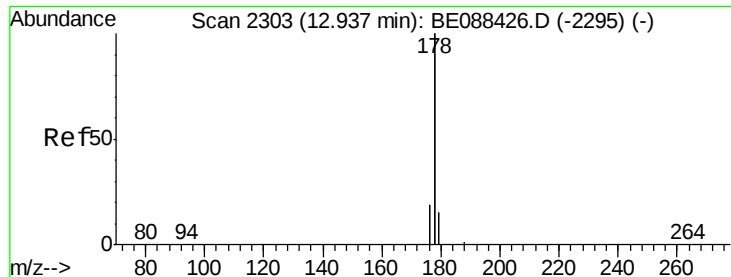
Tgt Ion:166 Resp: 9842
 Ion Ratio Lower Upper
 166 100
 165 89.1 71.3 106.9
 167 13.5 10.7 16.1



#12
Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.90 min Scan# 2298
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Tgt Ion:188 Resp: 139555
 Ion Ratio Lower Upper
 188 100
 94 14.8 11.8 17.8
 80 13.8 10.9 16.3

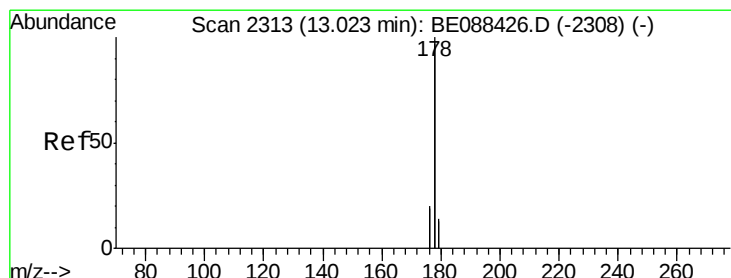
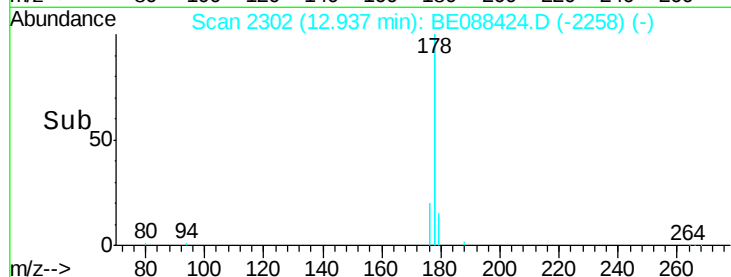
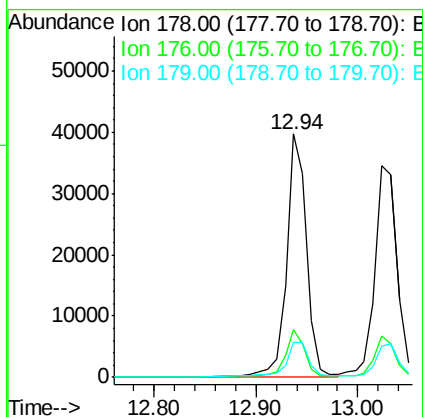
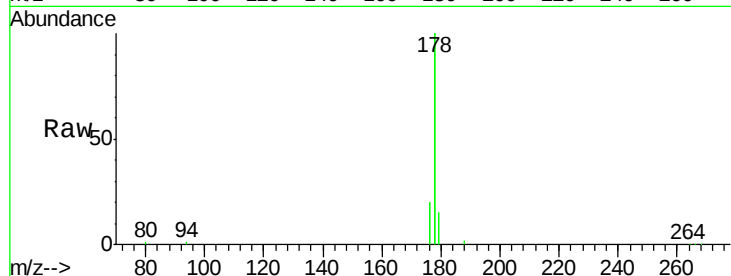




#13
Phenanthrene
Concen: 0.50 ng
RT: 12.94 min Scan# 2302
Delta R.T. 0.00 min
Lab File: BE088424.D
Acq: 31 Oct 2014 15:52

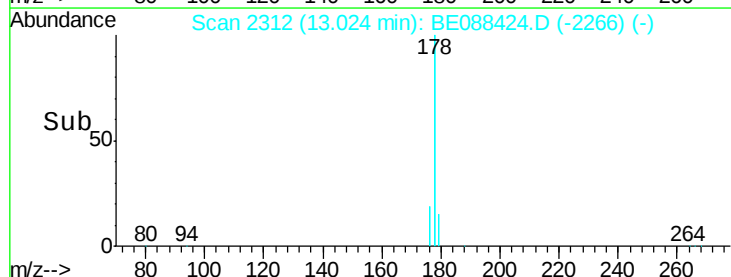
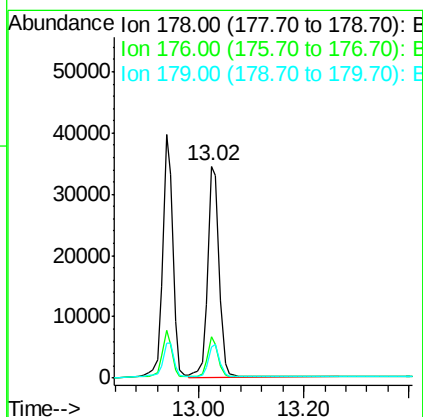
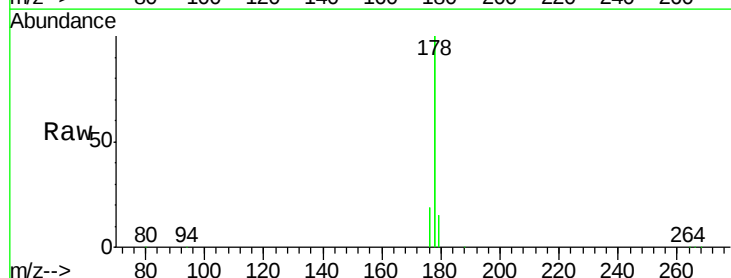
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

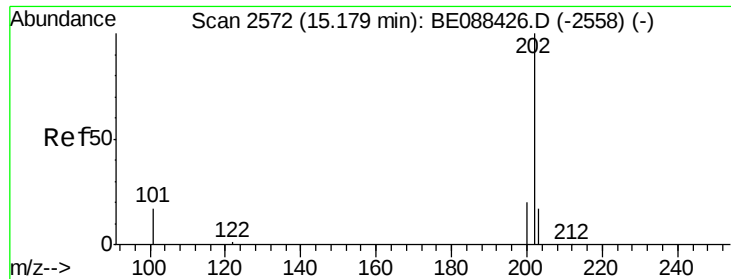
Tgt Ion:178 Resp: 71240
Ion Ratio Lower Upper
178 100
176 20.1 15.4 23.2
179 17.5 12.8 19.2



#14
Anthracene
Concen: 0.51 ng
RT: 13.02 min Scan# 2312
Delta R.T. 0.00 min
Lab File: BE088424.D
Acq: 31 Oct 2014 15:52

Tgt Ion:178 Resp: 52630
Ion Ratio Lower Upper
178 100
176 19.2 15.0 22.4
179 16.0 12.5 18.7

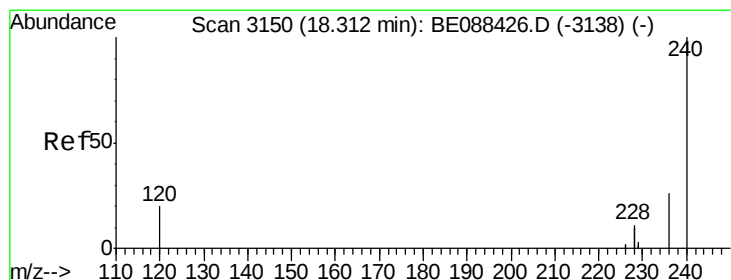
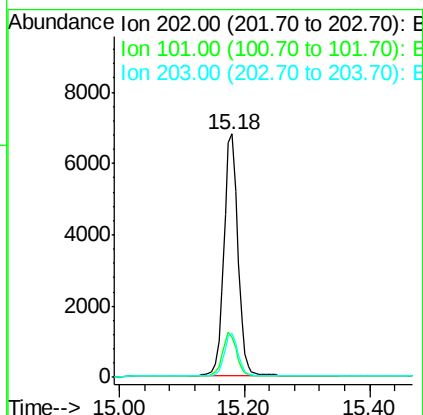
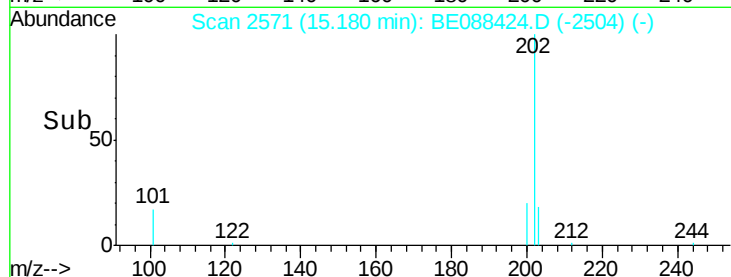
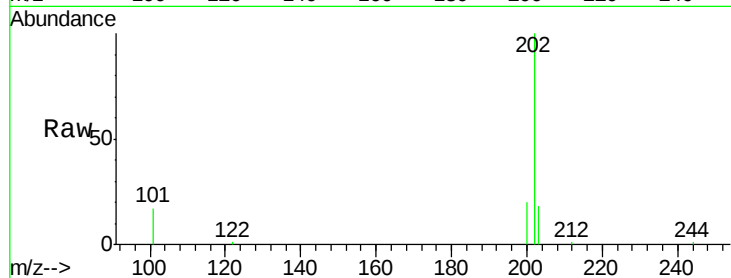




#15
 Fluoranthene
 Concen: 0.51 ng
 RT: 15.18 min Scan# 2571
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

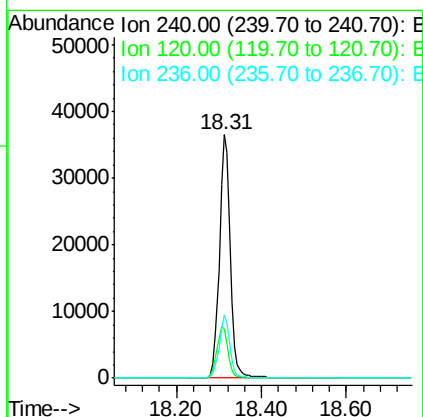
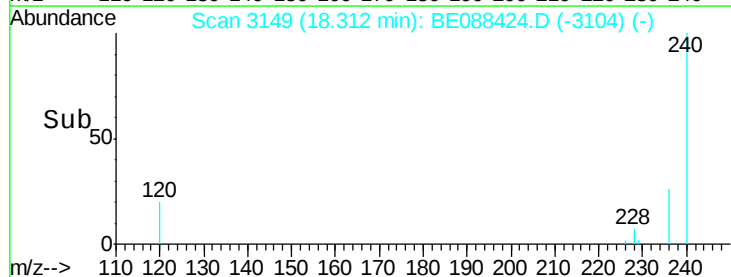
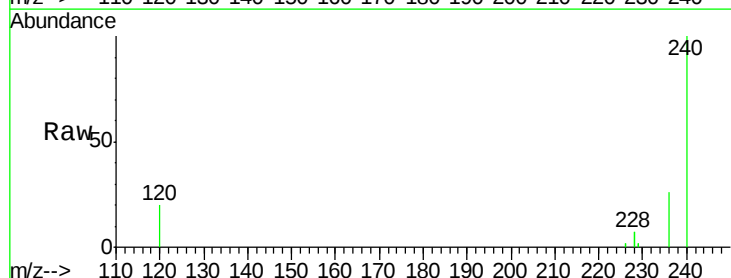
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

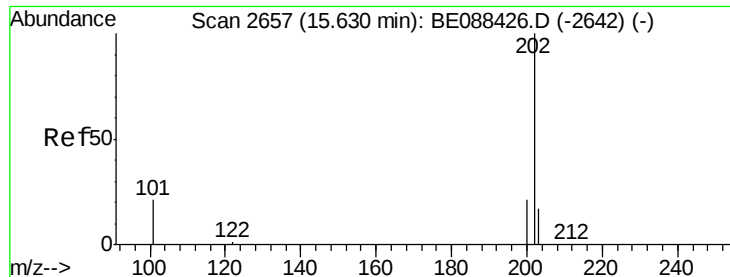
Tgt Ion: 202 Resp: 10461
 Ion Ratio Lower Upper
 202 100
 101 17.5 14.3 21.5
 203 17.0 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3149
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Tgt Ion: 240 Resp: 65396
 Ion Ratio Lower Upper
 240 100
 120 20.3 16.4 24.6
 236 25.9 20.5 30.7

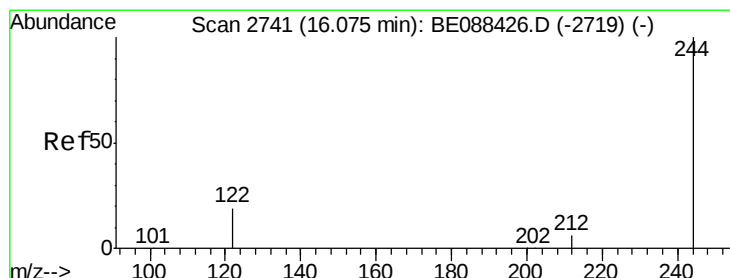
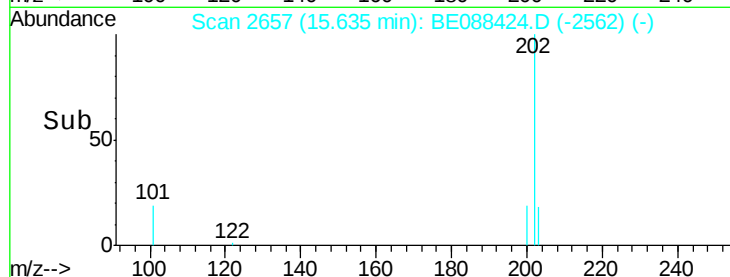
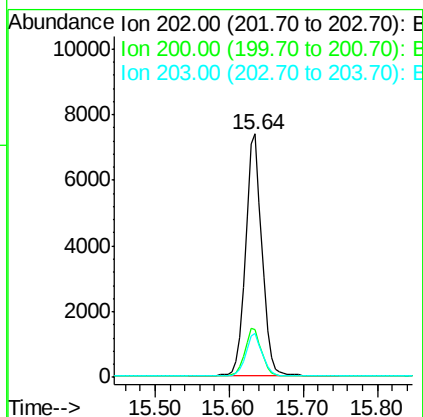
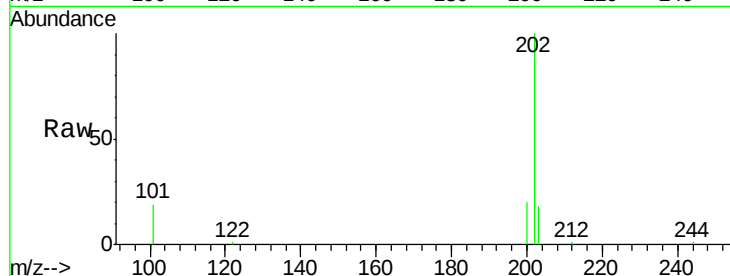




#17
Pyrene
 Concen: 0.52 ng
 RT: 15.64 min Scan# 2657
 Delta R.T. 0.01 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

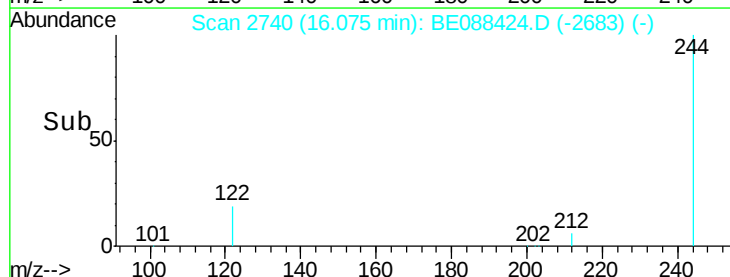
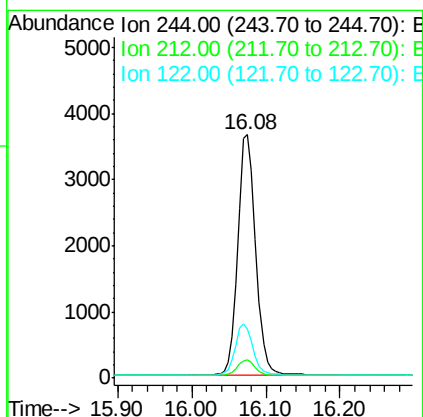
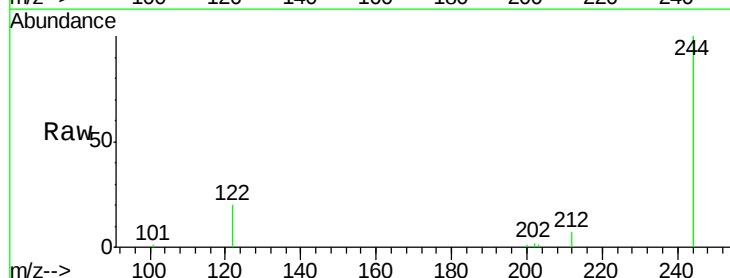
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Tgt Ion: 202 Resp: 11062
 Ion Ratio Lower Upper
 202 100
 200 20.0 16.1 24.1
 203 17.4 13.8 20.8



#18
Terphenyl-d14
 Concen: 0.51 ng
 RT: 16.08 min Scan# 2740
 Delta R.T. 0.00 min
 Lab File: BE088424.D
 Acq: 31 Oct 2014 15:52

Tgt Ion: 244 Resp: 6151
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.5 8.3
 122 20.4 15.6 23.4





#19

Benzo(a)anthracene

Concen: 0.49 ng

RT: 18.29 min Scan# 3146

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

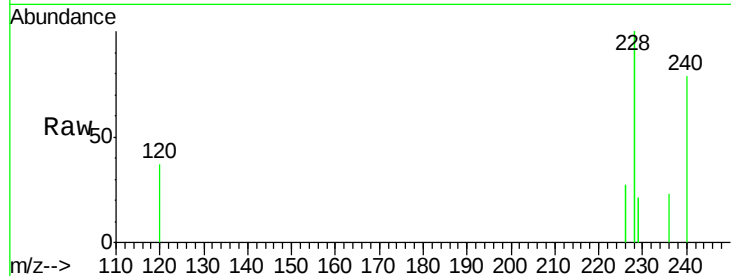
Tgt Ion:228 Resp: 30518

Ion Ratio Lower Upper

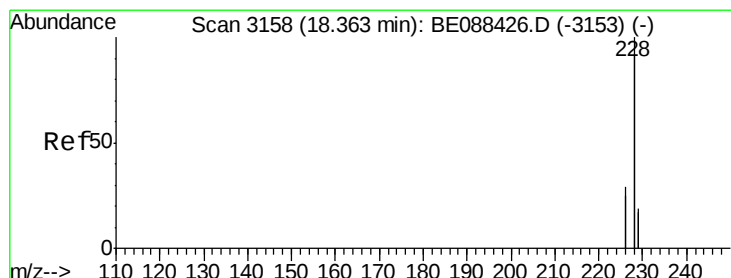
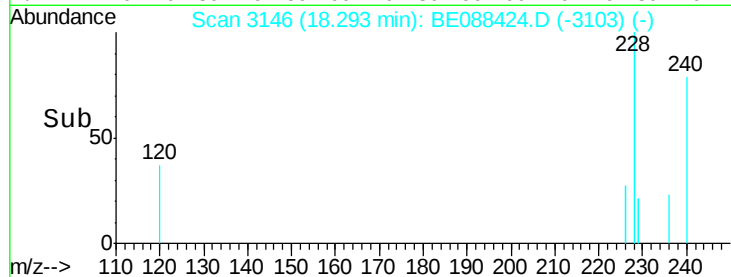
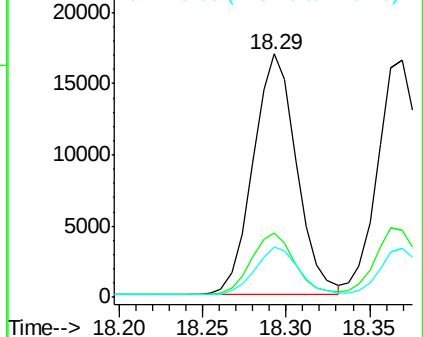
228 100

226 26.6 19.8 29.6

229 20.9 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



#20

Chrysene

Concen: 0.51 ng

RT: 18.37 min Scan# 3158

Delta R.T. 0.01 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

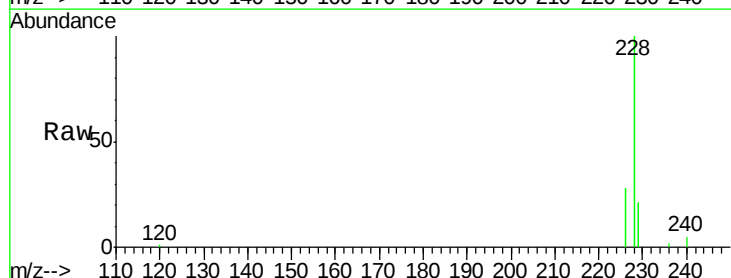
Tgt Ion:228 Resp: 30801

Ion Ratio Lower Upper

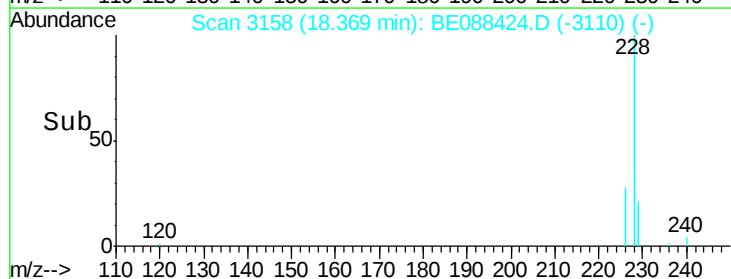
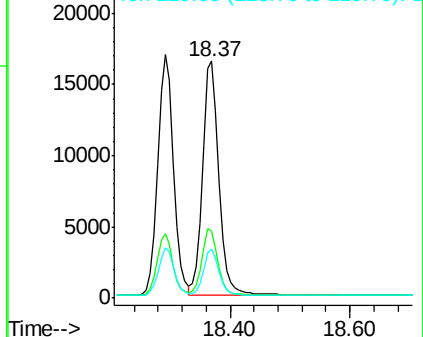
228 100

226 28.3 23.6 35.4

229 20.9 15.4 23.2



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





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng

RT: 23.55 min Scan# 4149

Delta R.T. 0.01 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

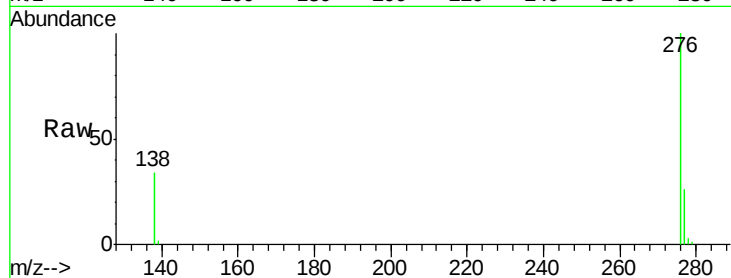
Tgt Ion:276 Resp: 21185

Ion Ratio Lower Upper

276 100

138 32.2 20.2 30.2#

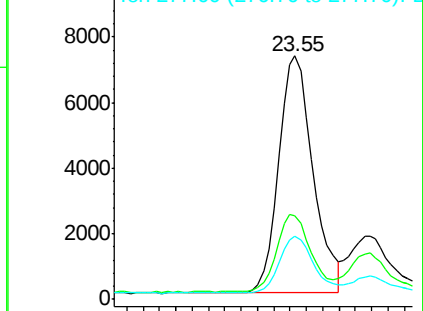
277 23.8 14.8 22.2#



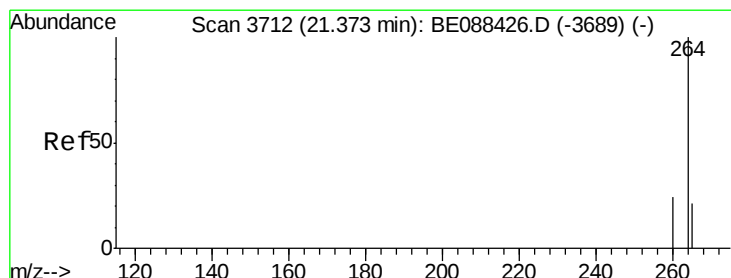
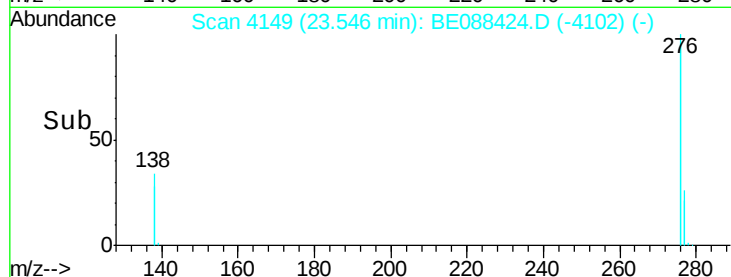
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.37 min Scan# 3711

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

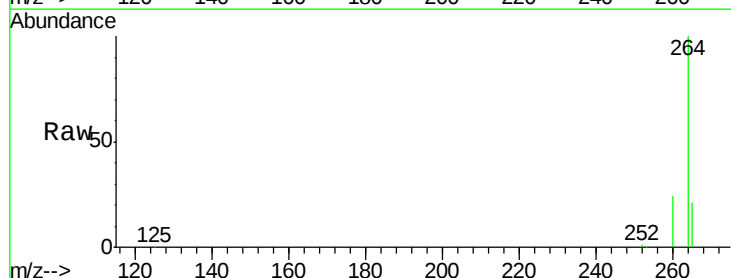
Tgt Ion:264 Resp: 55964

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

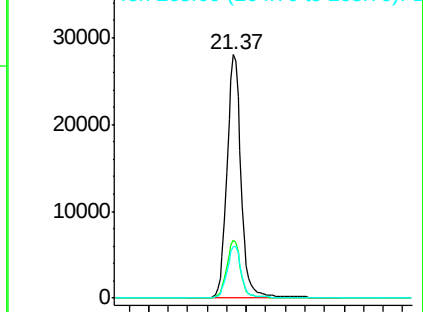
265 21.4 17.2 25.8



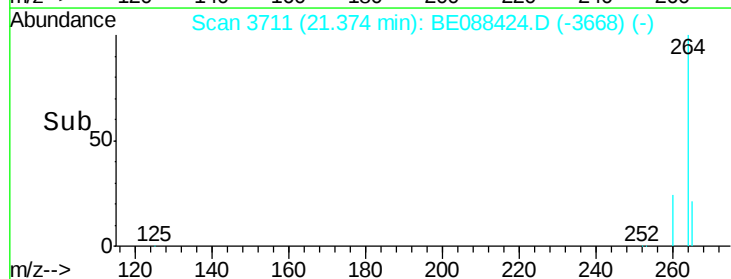
Abundance Ion 264.00 (263.70 to 264.70): E

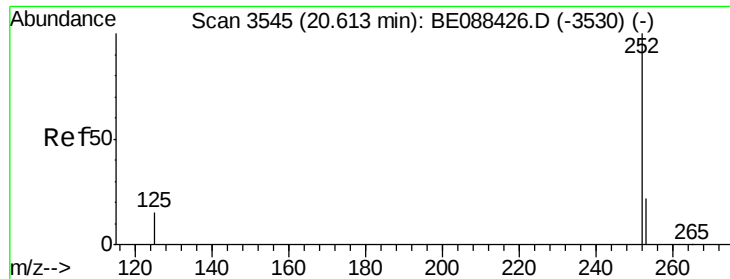
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 0.50 ng

RT: 20.61 min Scan# 3544

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

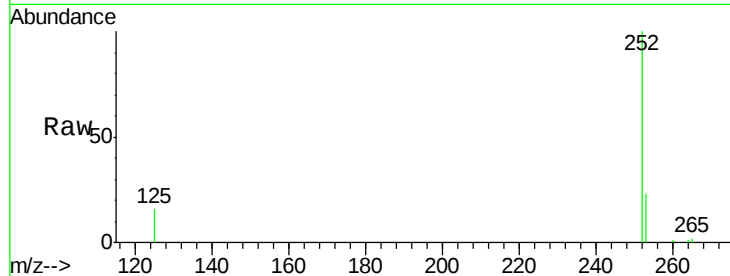
Tgt Ion:252 Resp: 6107

Ion Ratio Lower Upper

252 100

253 22.6 17.8 26.8

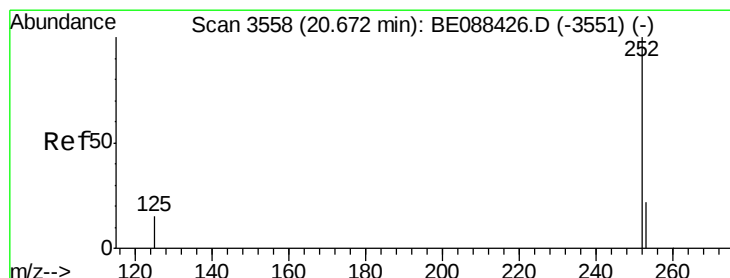
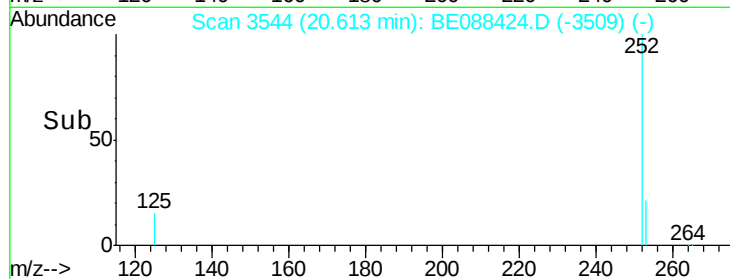
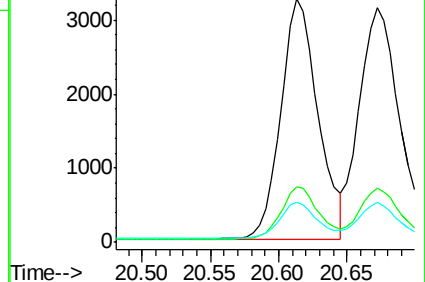
125 16.4 12.3 18.5



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(k)fluoranthene

Concen: 0.50 ng

RT: 20.67 min Scan# 3557

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

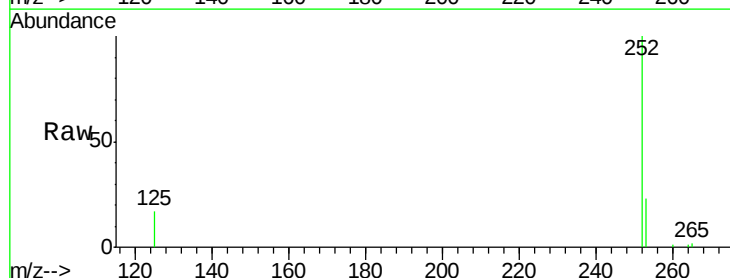
Tgt Ion:252 Resp: 6795

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

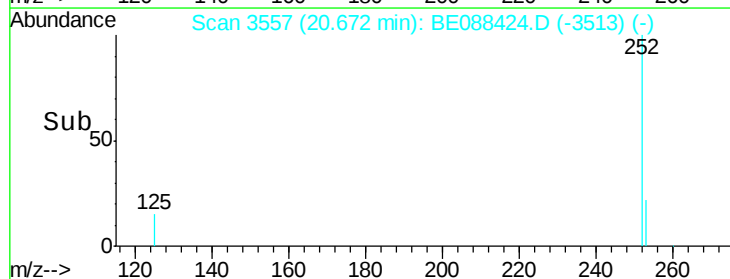
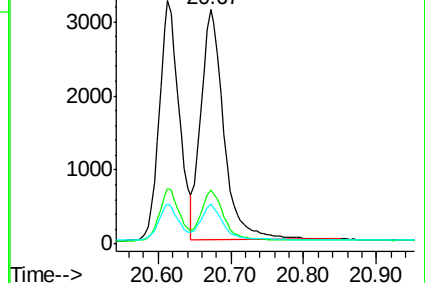
125 16.9 12.2 18.4



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





#25

Benzo(a)pyrene

Concen: 0.50 ng

RT: 21.26 min Scan# 3685

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

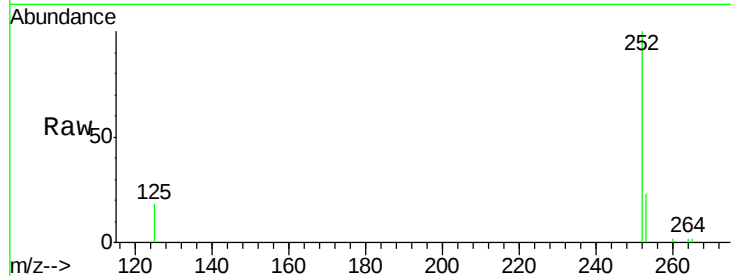
Tgt Ion:252 Resp: 5848

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.4

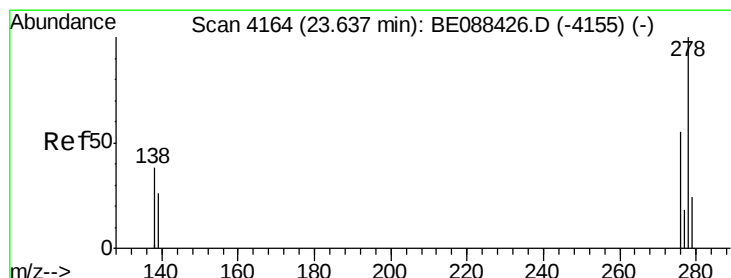
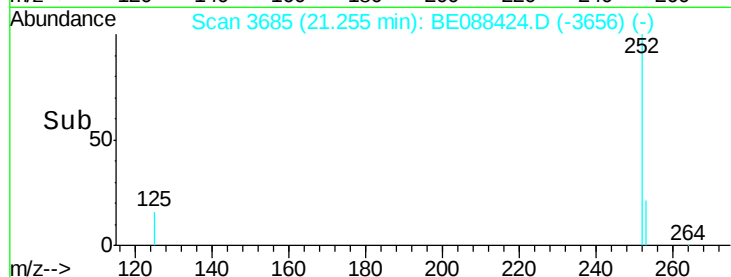
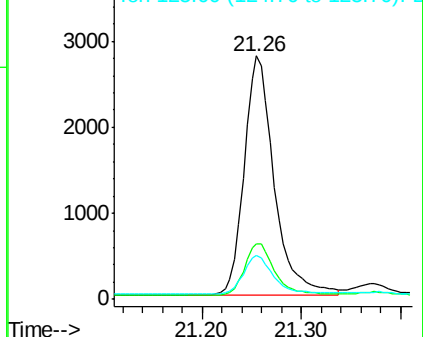
125 18.2 13.7 20.5



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



#26

Dibenzo(a,h)anthracene

Concen: 0.50 ng

RT: 23.64 min Scan# 4163

Delta R.T. 0.00 min

Lab File: BE088424.D

Acq: 31 Oct 2014 15:52

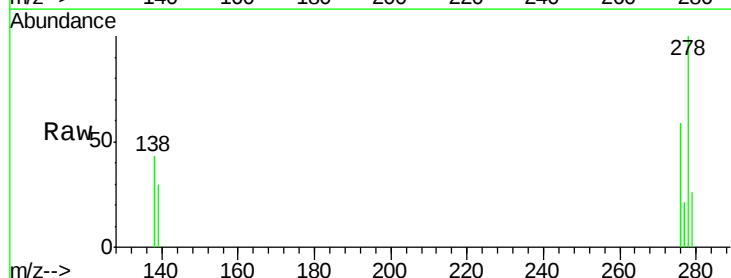
Tgt Ion:278 Resp: 5405

Ion Ratio Lower Upper

278 100

139 30.3 22.1 33.1

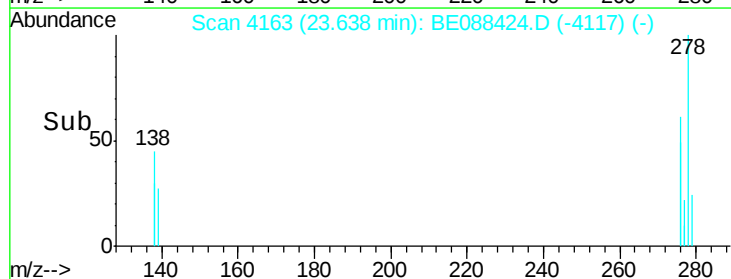
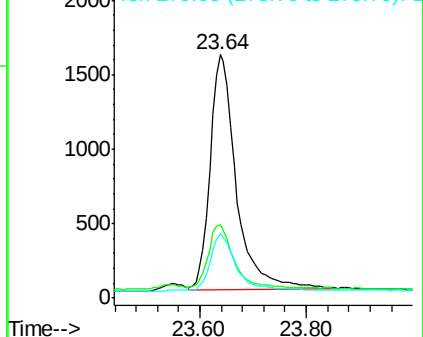
279 26.4 19.7 29.5



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





#27

Benzo(g,h,i)perylene

Concen: 0.50 ng

RT: 24.17 min Scan# 4244

Delta R.T. 0.00 min

Lab File: BE088424.D

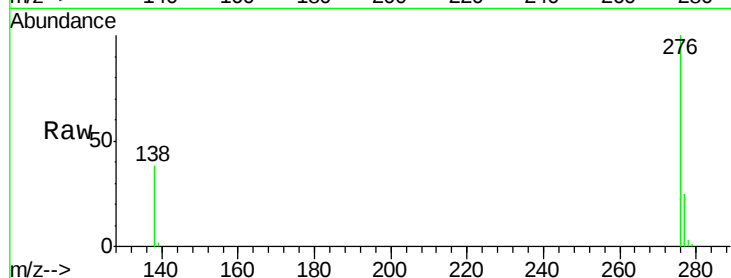
Acq: 31 Oct 2014 15:52

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5



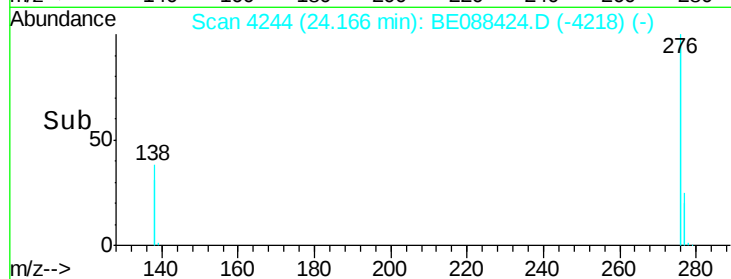
Tgt Ion:276 Resp: 25107

Ion Ratio Lower Upper

276 100

277 25.1 19.8 29.6

138 37.8 29.3 43.9



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

