

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088427.D
 Acq On : 31 Oct 2014 17:33
 Operator : TP/JJ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Quant Time: Nov 01 00:25:20 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

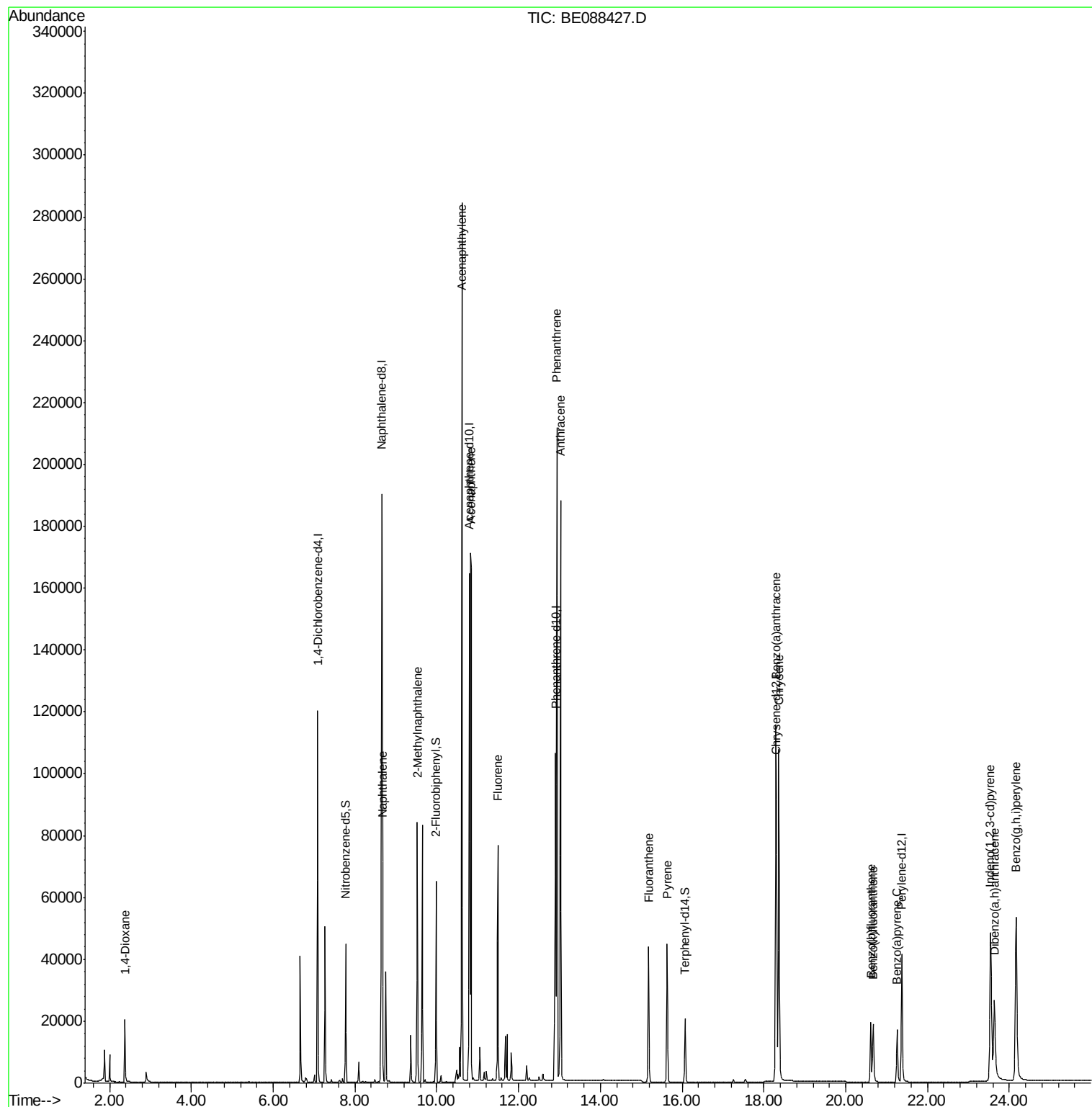
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	39904	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	153929	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	72762	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	138058	5.00	ng	0.00
16) Chrysene-d12	18.31	240	66047	5.00	ng	0.00
22) Perylene-d12	21.37	264	57510	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	23633	2.10	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	41990	2.03	ng	0.00
18) Terphenyl-d14	16.07	244	25196	2.07	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	10796	2.07	ng	99
5) Naphthalene	8.68	128	65233	2.02	ng	97
6) 2-Methylnaphthalene	9.53	142	41118	2.06	ng	98
9) Acenaphthylene	10.62	152	240580	2.01	ng	99
10) Acenaphthene	10.84	154	34839	1.96	ng	99
11) Fluorene	11.49	166	38417	2.04	ng	99
13) Phenanthrene	12.94	178	274456	1.96	ng	99
14) Anthracene	13.02	178	205313	2.01	ng	99
15) Fluoranthene	15.18	202	42535	2.09	ng	100
17) Pyrene	15.63	202	44882	2.07	ng	100
19) Benzo(a)anthracene	18.29	228	125309	2.01	ng	100
20) Chrysene	18.36	228	124733	2.04	ng	99
21) Indeno(1,2,3-cd)pyrene	23.55	276	89252	1.54	ng	# 87
23) Benzo(b)fluoranthene	20.61	252	25979	2.07	ng	99
24) Benzo(k)fluoranthene	20.67	252	29223	2.10	ng	100
25) Benzo(a)pyrene	21.26	252	24985	2.08	ng	98
26) Dibenzo(a,h)anthracene	23.64	278	22922	2.05	ng	99
27) Benzo(g,h,i)perylene	24.17	276	103389	2.00	ng	98

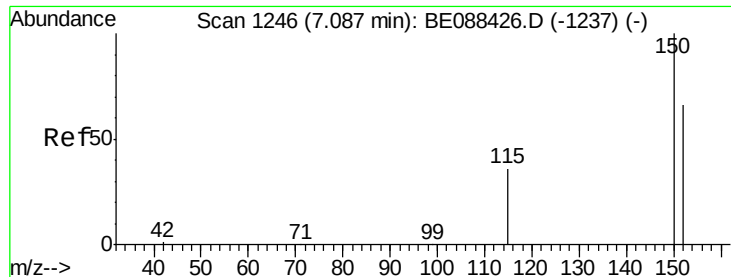
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

SSTDIC002

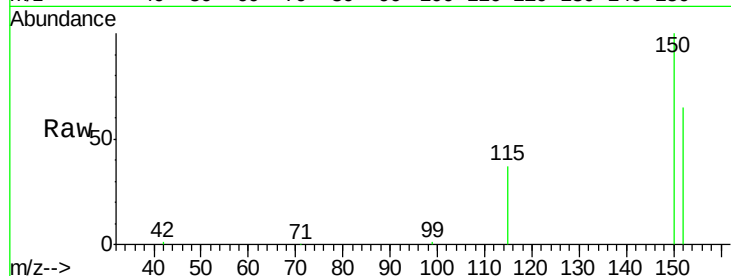
Tgt Ion:152 Resp: 39904

Ion Ratio Lower Upper

152 100

150 154.6 121.8 182.8

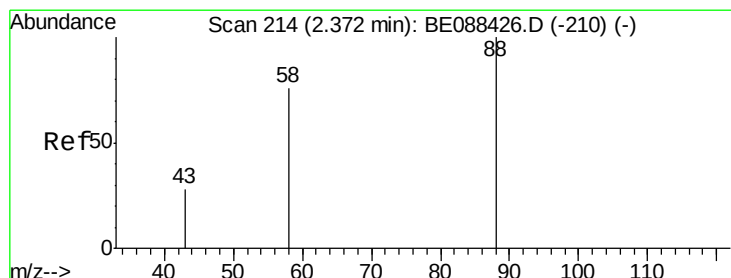
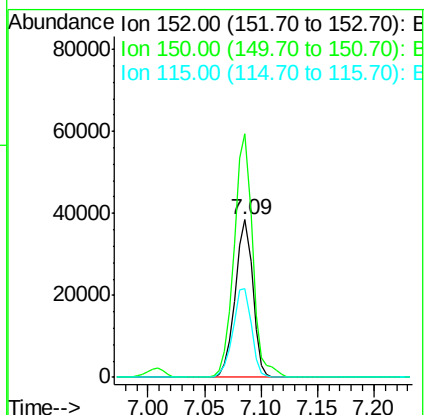
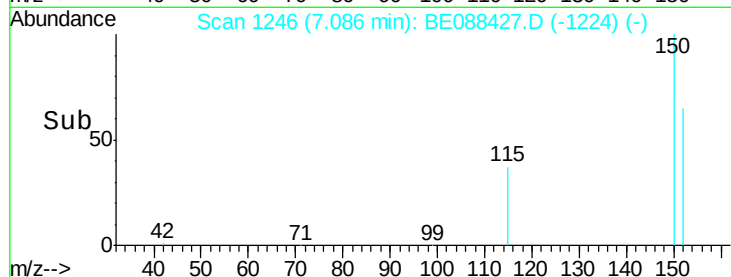
115 56.8 43.9 65.9



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: 2.07 ng

RT: 2.37 min Scan# 214

Delta R.T. -0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

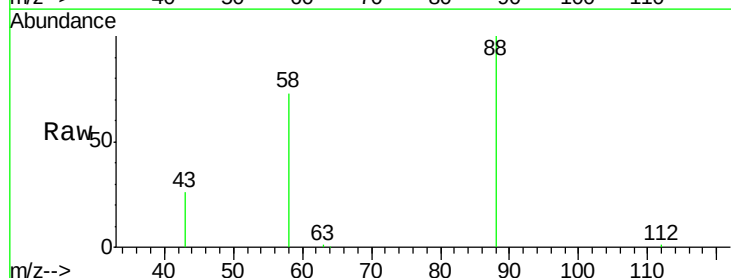
Tgt Ion: 88 Resp: 10796

Ion Ratio Lower Upper

88 100

58 74.5 59.1 88.7

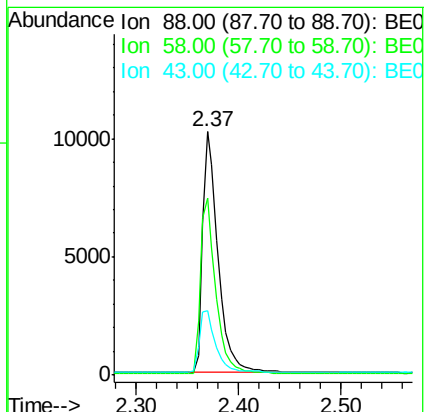
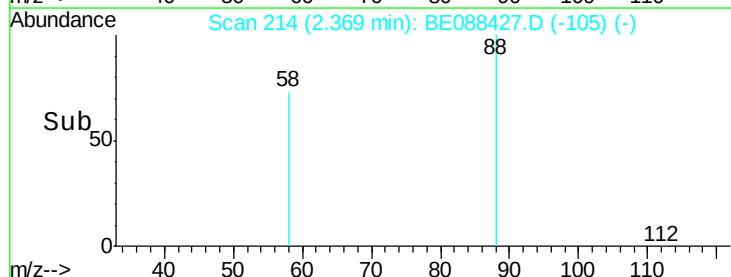
43 26.8 21.9 32.9

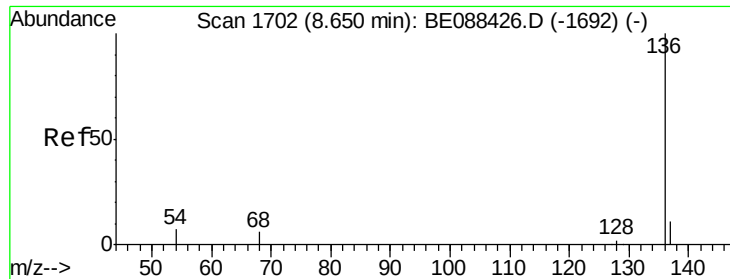


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

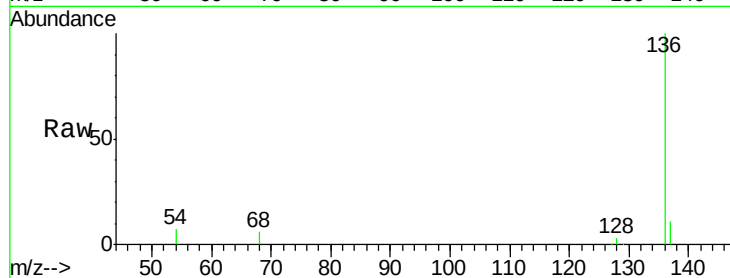




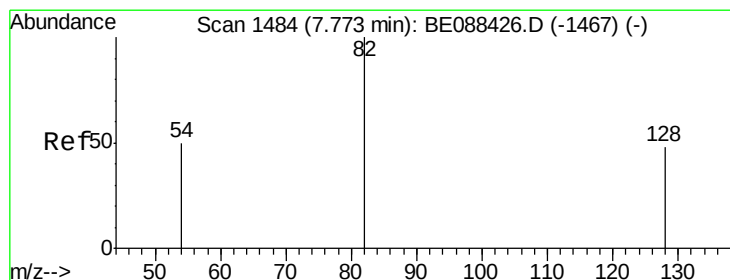
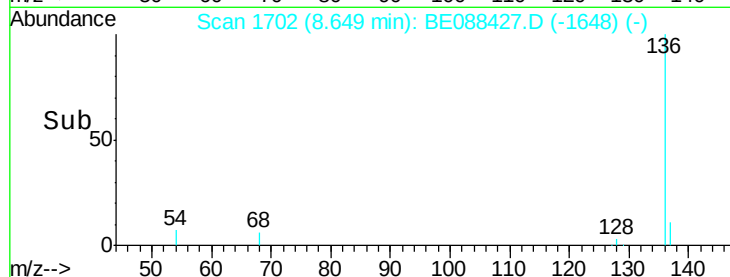
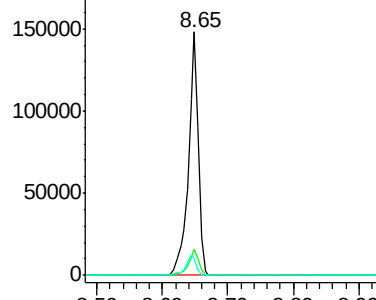
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

Instrument :
BNA_E
ClientSampleId :
SSTDICC002

Tgt Ion: 136 Resp: 153929
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 6.8 5.3 7.9

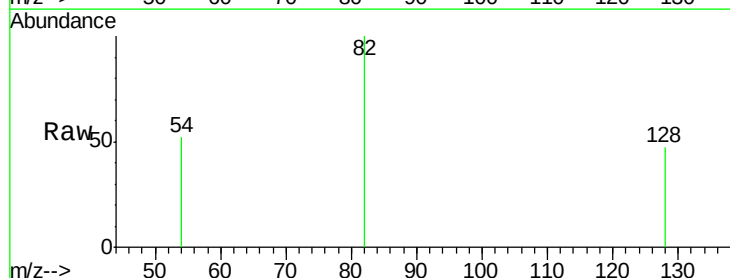


Abundance Ion 136.00 (135.70 to 136.70): BE088427.D (-1692) (-)
Ion 137.00 (136.70 to 137.70): BE088427.D (-1692) (-)
Ion 54.00 (53.70 to 54.70): BE088427.D (-1692) (-)

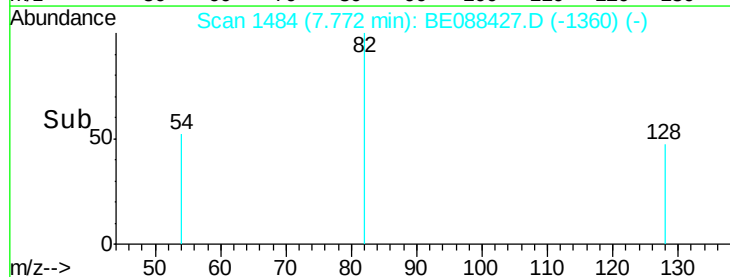
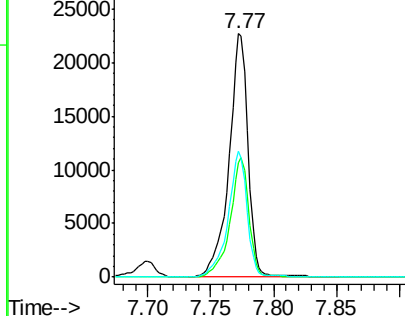


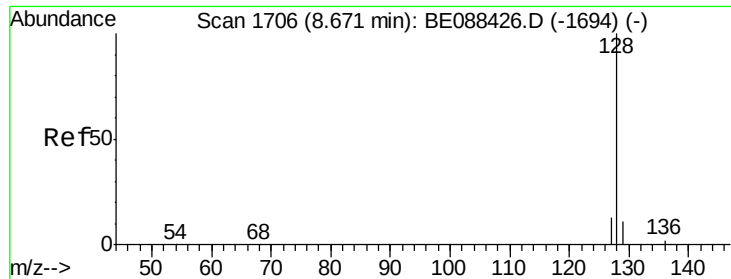
#4
Nitrobenzene-d5
Concen: 2.10 ng
RT: 7.77 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

Tgt Ion: 82 Resp: 23633
Ion Ratio Lower Upper
82 100
128 47.1 38.4 57.6
54 51.7 40.2 60.2



Abundance Ion 82.00 (81.70 to 82.70): BE088427.D (-1360) (-)
Ion 128.00 (127.70 to 128.70): BE088427.D (-1360) (-)
Ion 54.00 (53.70 to 54.70): BE088427.D (-1360) (-)





#5

Naphthalene

Concen: 2.02 ng

RT: 8.68 min Scan# 1707

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

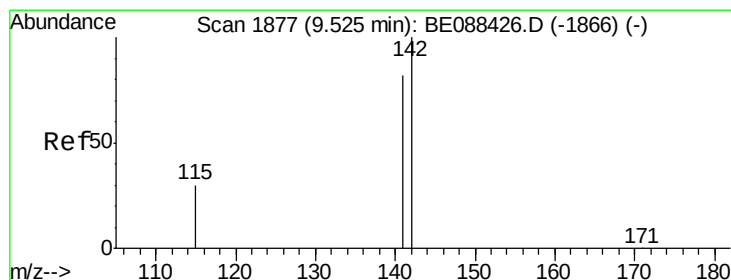
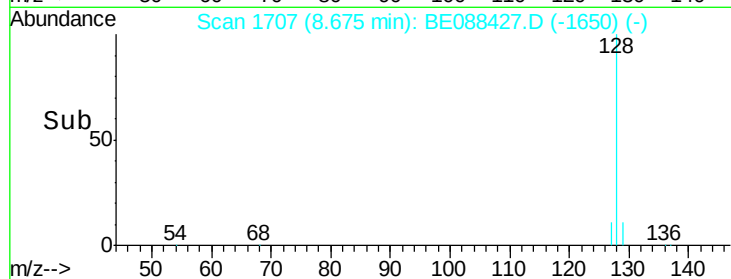
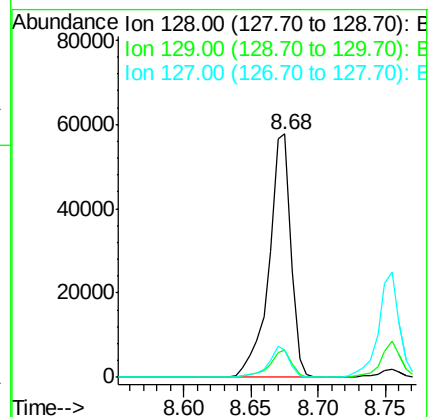
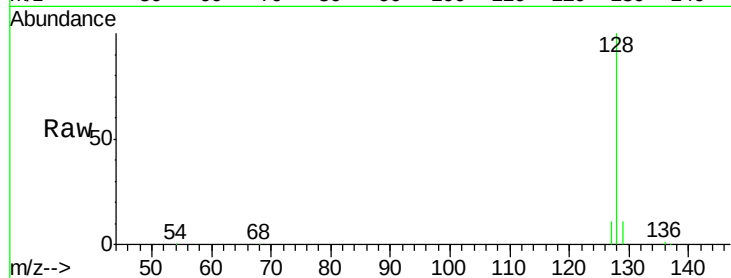
Tgt Ion:128 Resp: 65233

Ion Ratio Lower Upper

128 100

129 11.4 8.6 12.8

127 11.3 10.1 15.1



#6

2-Methylnaphthalene

Concen: 2.06 ng

RT: 9.53 min Scan# 1877

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

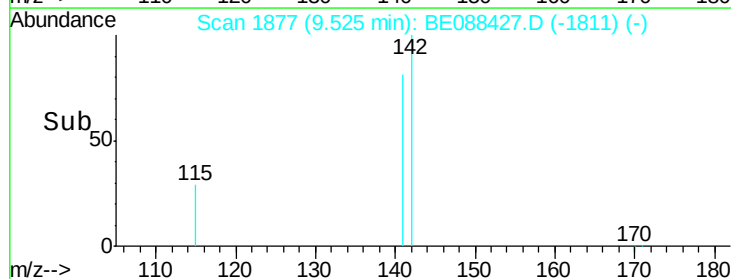
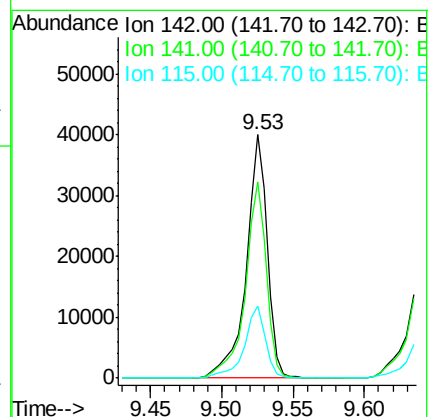
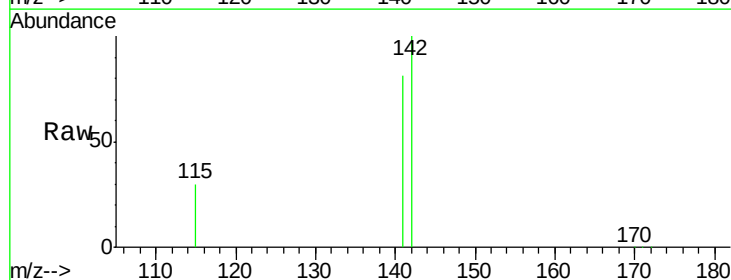
Tgt Ion:142 Resp: 41118

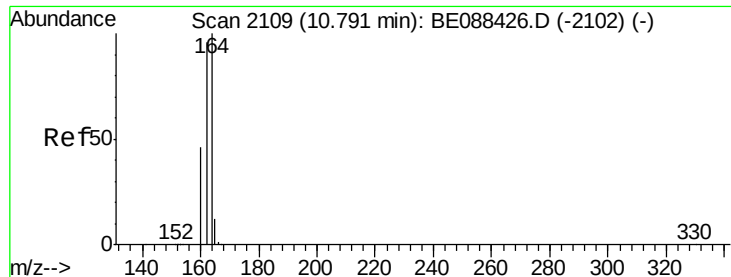
Ion Ratio Lower Upper

142 100

141 80.8 65.8 98.8

115 29.6 24.2 36.4





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

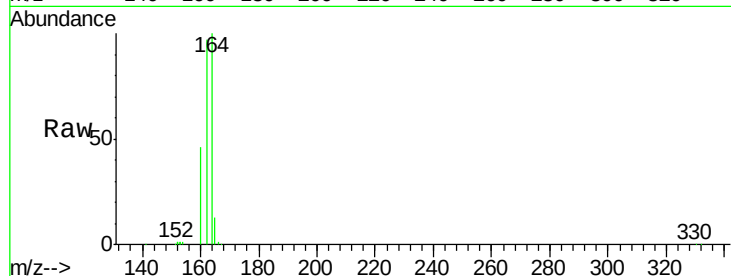
Tgt Ion:164 Resp: 72762

Ion Ratio Lower Upper

164 100

162 96.8 77.0 115.4

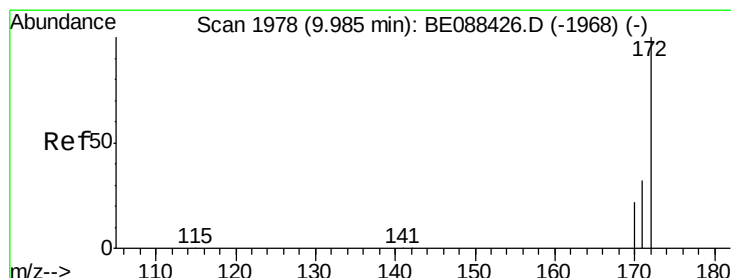
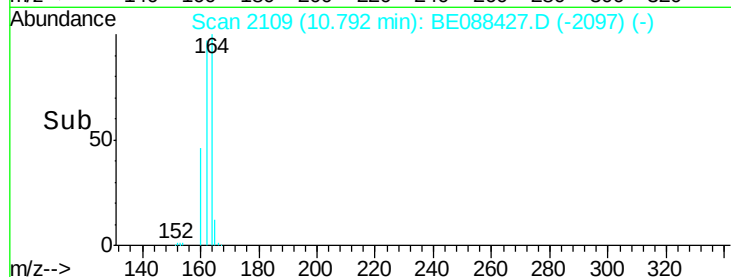
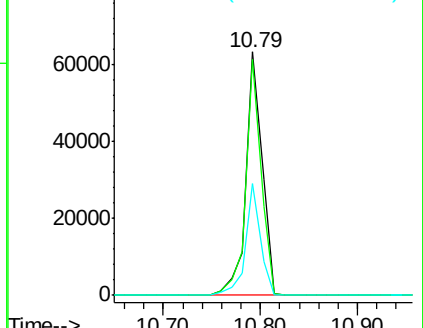
160 46.0 36.8 55.2



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: 2.03 ng

RT: 9.98 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

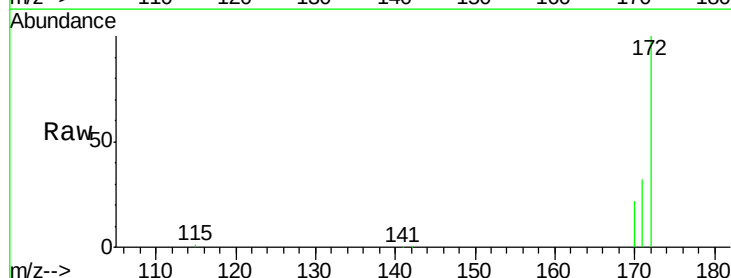
Tgt Ion:172 Resp: 41990

Ion Ratio Lower Upper

172 100

171 32.3 26.0 39.0

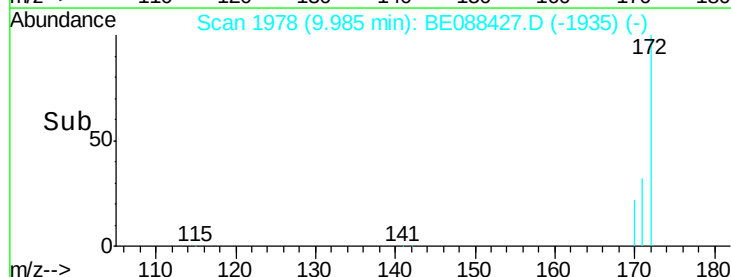
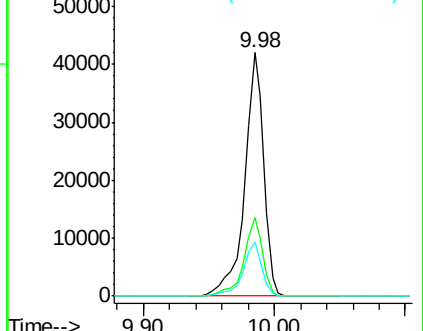
170 22.2 17.6 26.4

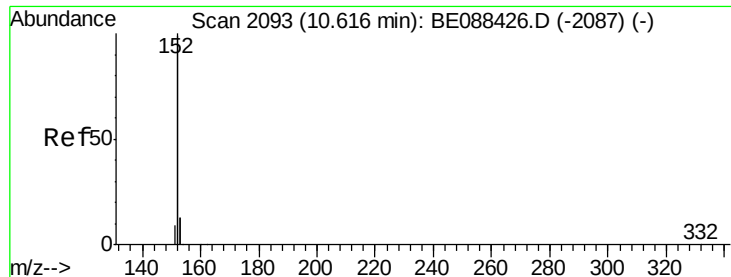


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 2.01 ng

RT: 10.62 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

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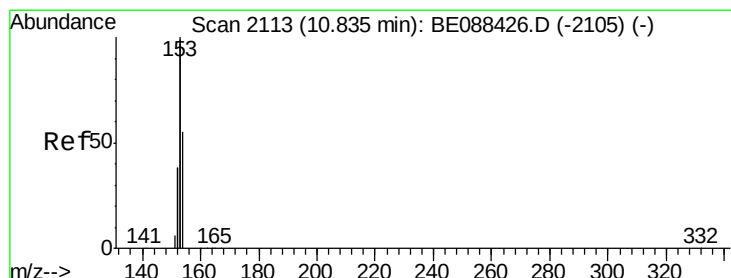
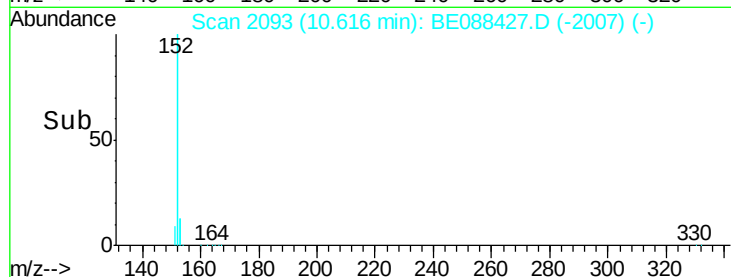
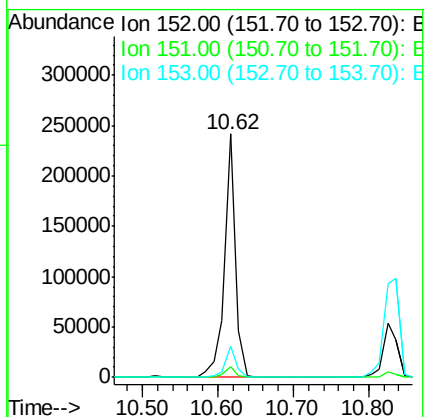
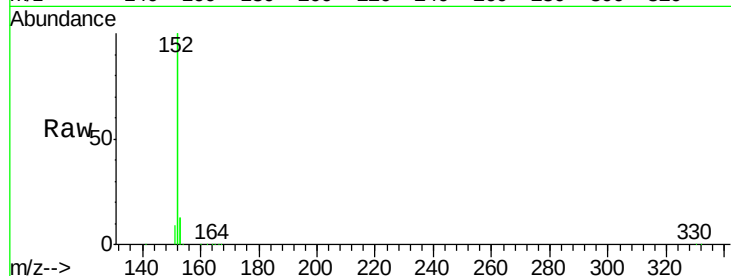
Tgt Ion:152 Resp: 240580

Ion Ratio Lower Upper

152 100

151 4.6 4.4 6.6

153 13.0 10.5 15.7



#10

Acenaphthene

Concen: 1.96 ng

RT: 10.84 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

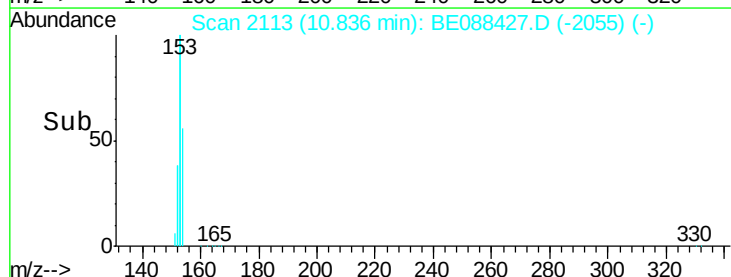
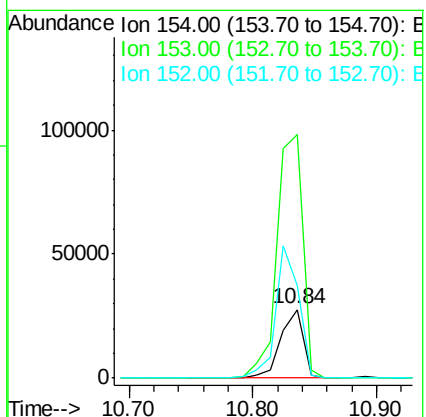
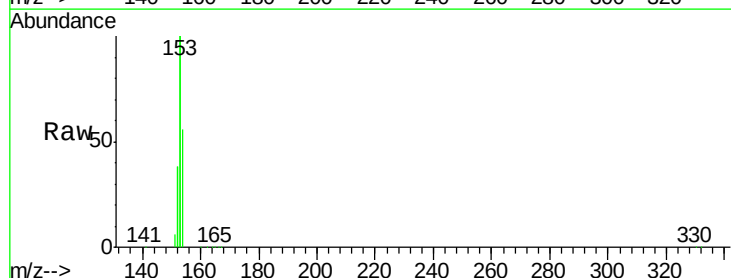
Tgt Ion:154 Resp: 34839

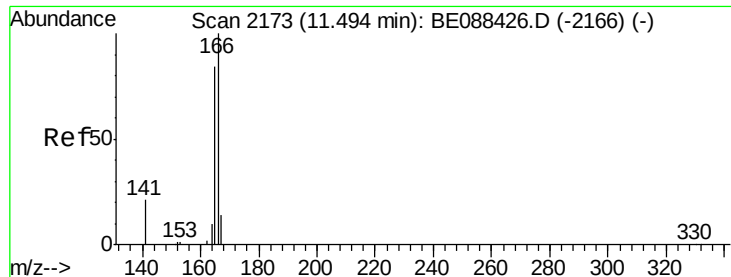
Ion Ratio Lower Upper

154 100

153 406.6 324.3 486.5

152 196.0 154.9 232.3





#11

Fluorene

Concen: 2.04 ng

RT: 11.49 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

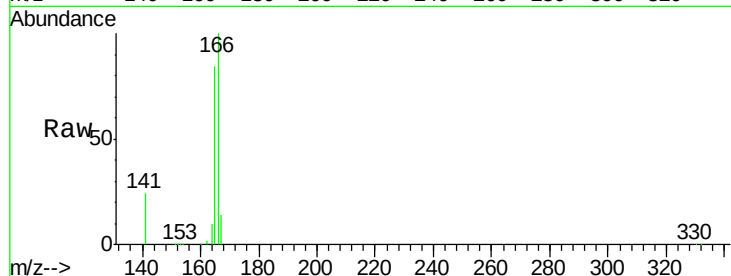
Tgt Ion:166 Resp: 38417

Ion Ratio Lower Upper

166 100

165 89.9 71.3 106.9

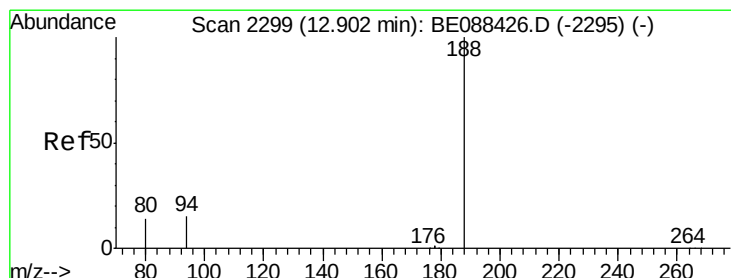
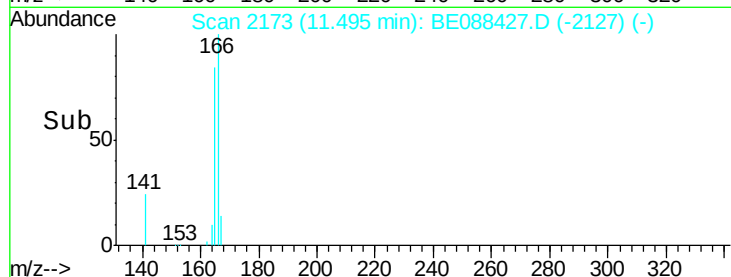
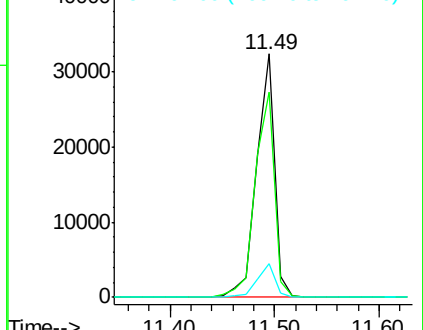
167 13.6 10.7 16.1



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



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.90 min Scan# 2299

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

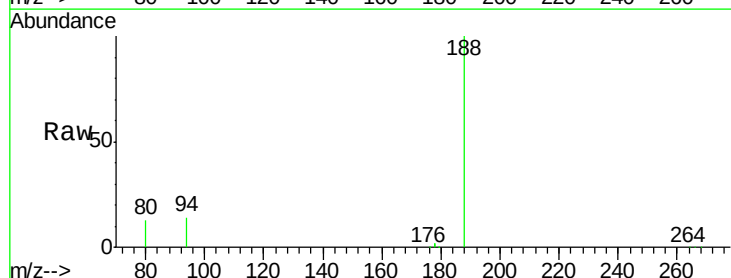
Tgt Ion:188 Resp: 138058

Ion Ratio Lower Upper

188 100

94 14.4 11.8 17.8

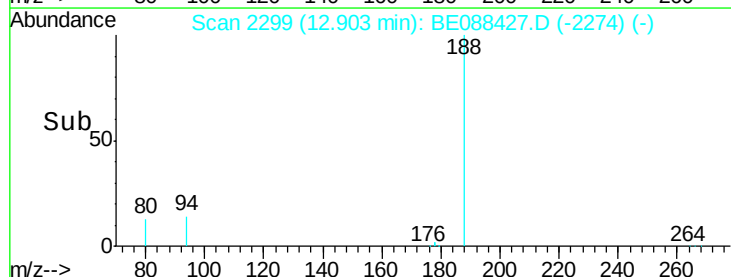
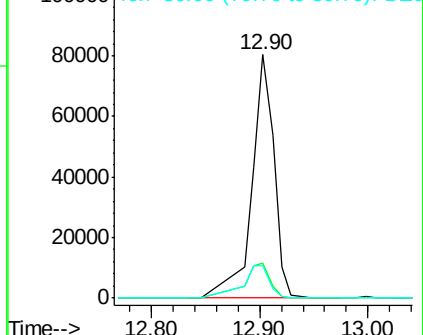
80 13.3 10.9 16.3

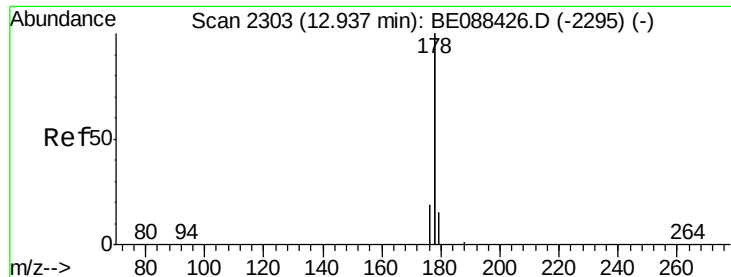


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#13

Phenanthrene

Concen: 1.96 ng

RT: 12.94 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

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SSTDICC002

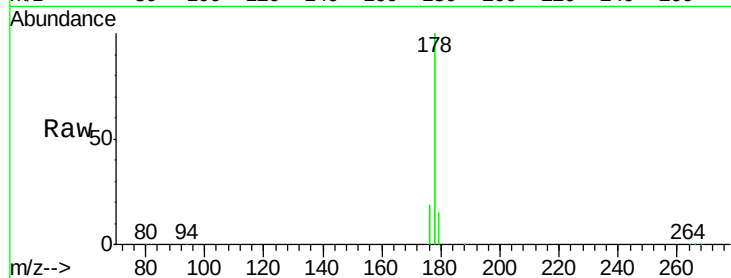
Tgt Ion:178 Resp: 274456

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

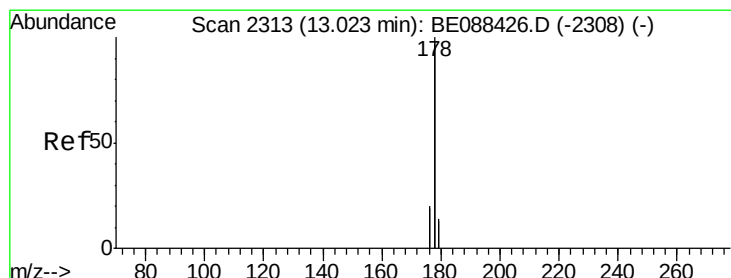
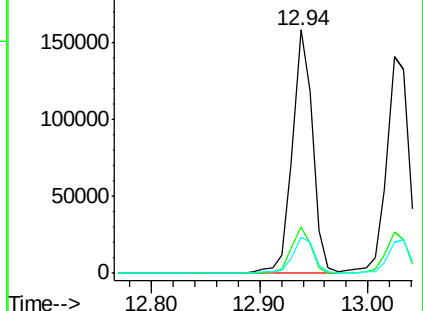
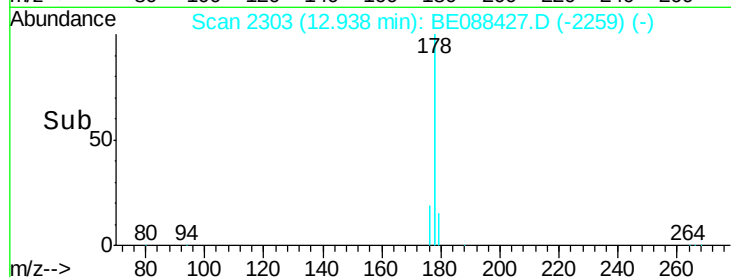
179 15.5 12.8 19.2



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



#14

Anthracene

Concen: 2.01 ng

RT: 13.02 min Scan# 2313

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

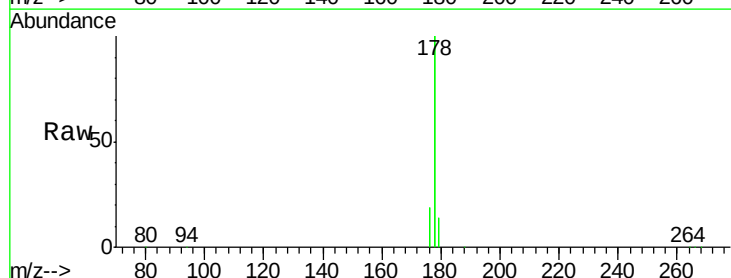
Tgt Ion:178 Resp: 205313

Ion Ratio Lower Upper

178 100

176 18.2 15.0 22.4

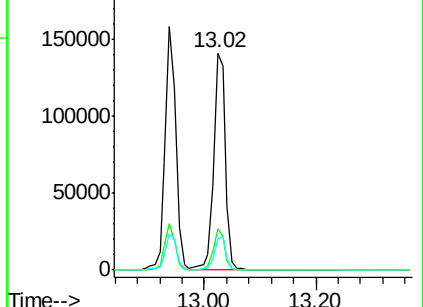
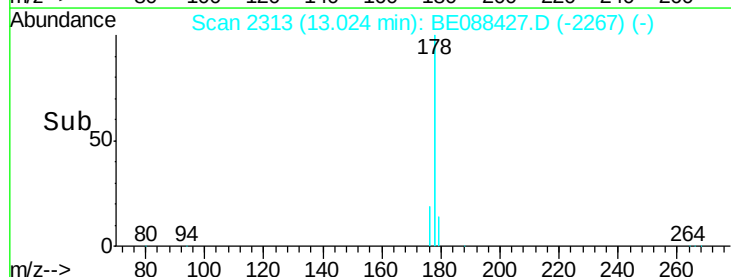
179 15.4 12.5 18.7

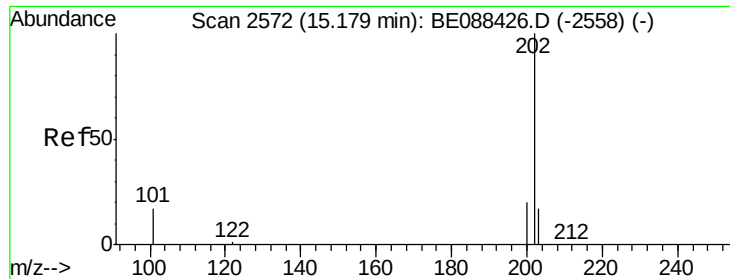


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

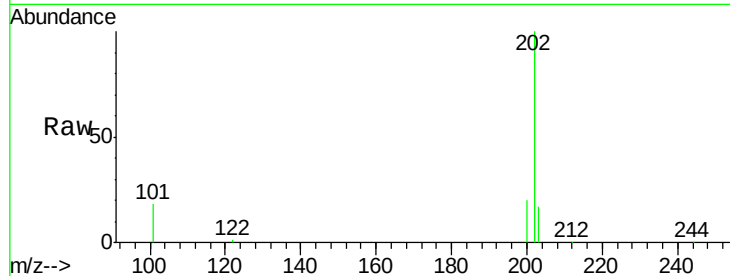




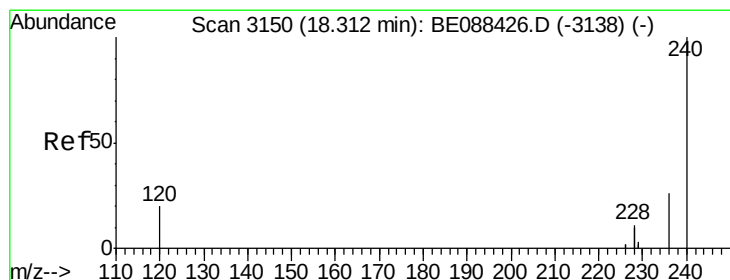
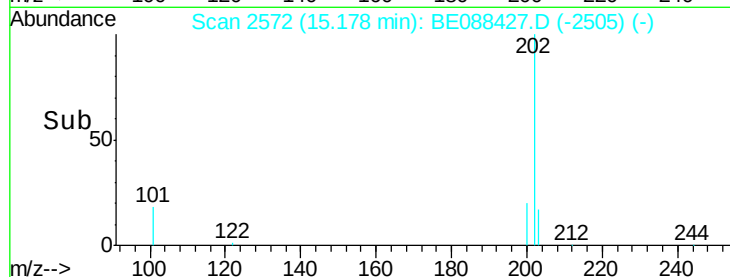
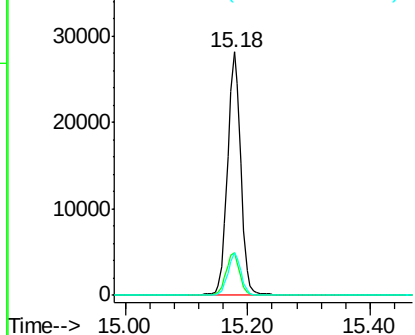
#15
 Fluoranthene
 Concen: 2.09 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion: 202 Resp: 42535
 Ion Ratio Lower Upper
 202 100
 101 17.7 14.3 21.5
 203 17.1 13.6 20.4

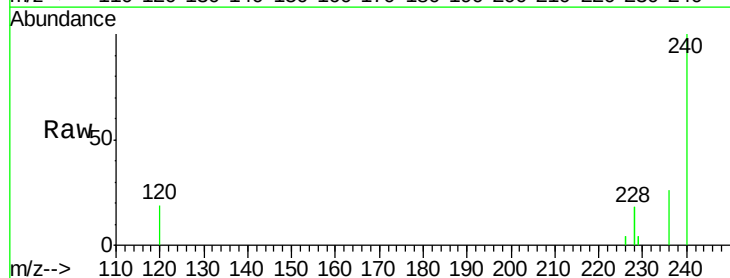


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

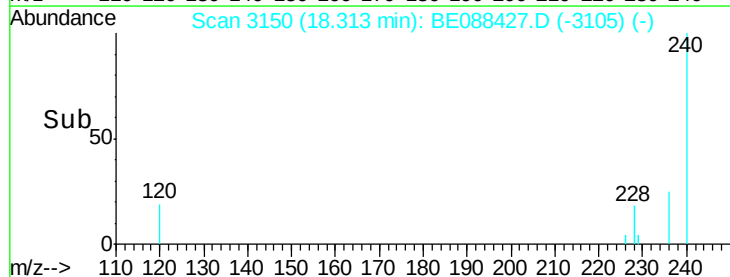
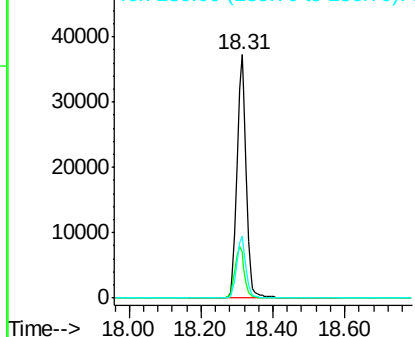


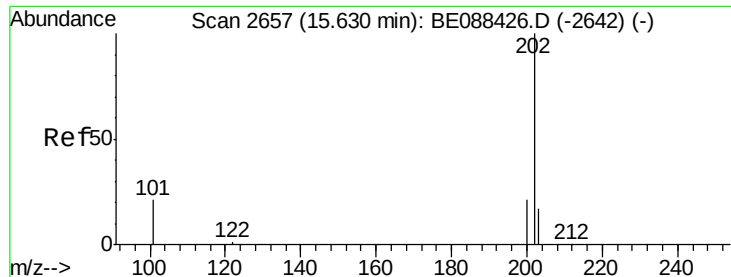
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

Tgt Ion: 240 Resp: 66047
 Ion Ratio Lower Upper
 240 100
 120 19.4 16.4 24.6
 236 25.5 20.5 30.7



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

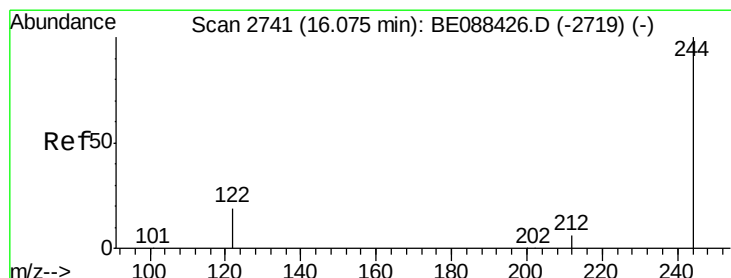
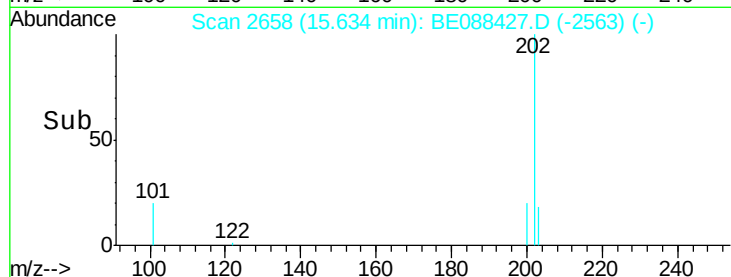
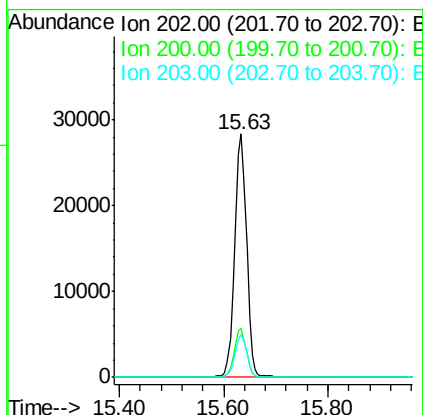
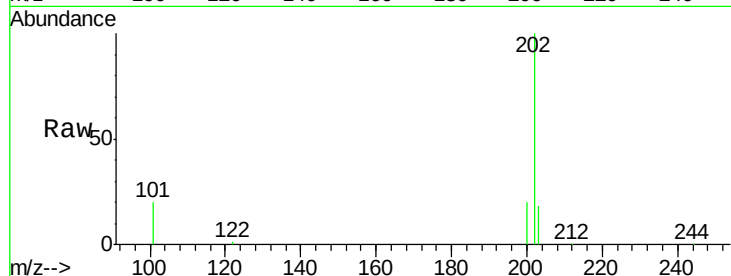




#17
 Pyrene
 Concen: 2.07 ng
 RT: 15.63 min Scan# 2658
 Delta R.T. 0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

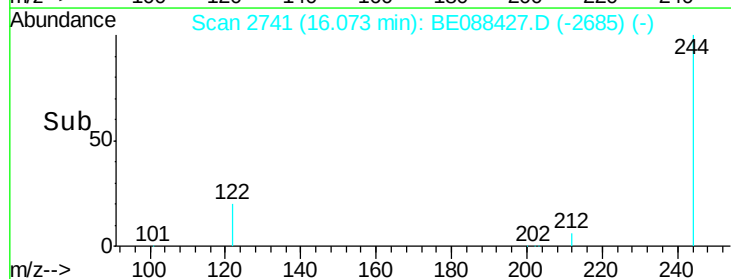
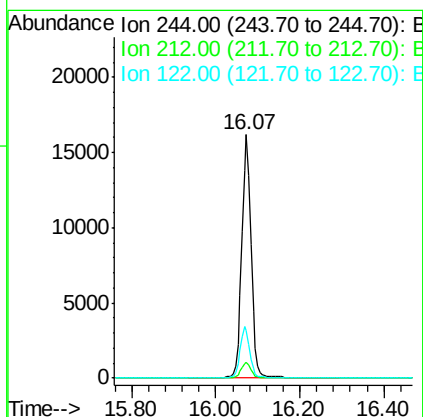
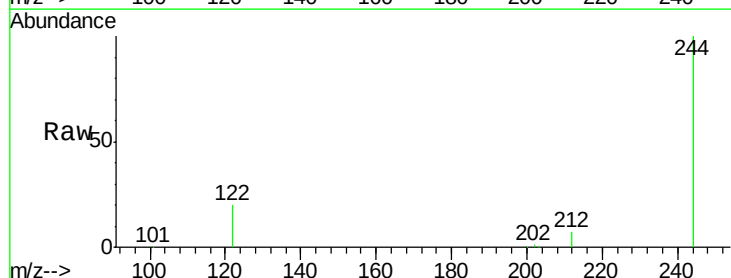
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

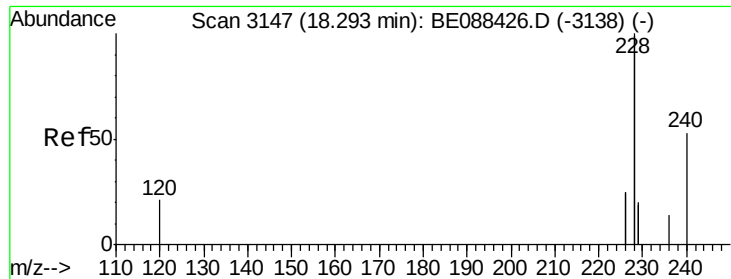
Tgt Ion: 202 Resp: 44882
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.1 24.1
 203 17.4 13.8 20.8



#18
 Terphenyl-d14
 Concen: 2.07 ng
 RT: 16.07 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BE088427.D
 Acq: 31 Oct 2014 17:33

Tgt Ion: 244 Resp: 25196
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.5 8.3
 122 19.9 15.6 23.4





#19

Benzo(a)anthracene

Concen: 2.01 ng

RT: 18.29 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

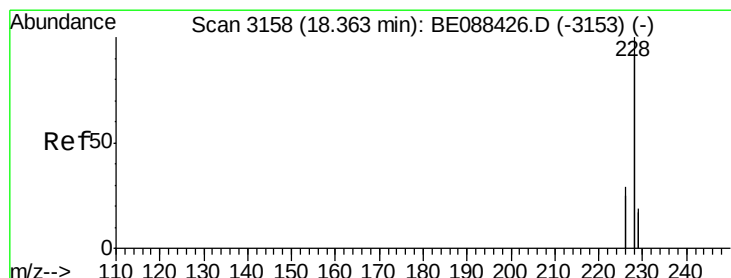
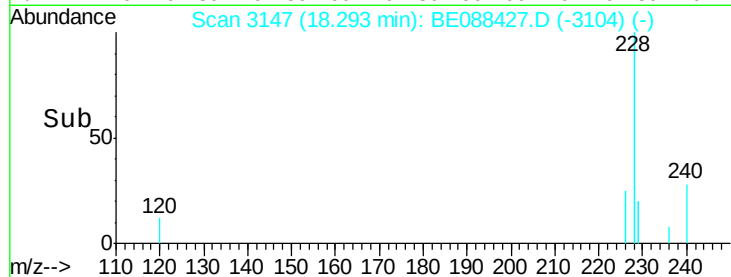
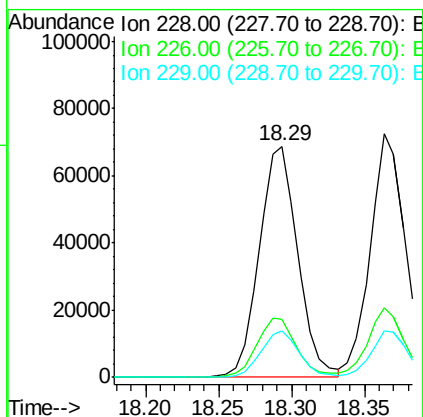
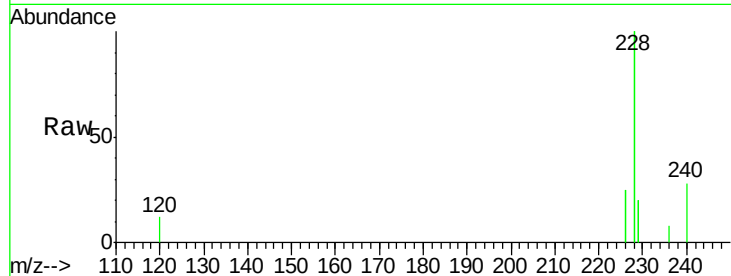
Tgt Ion:228 Resp: 125309

Ion Ratio Lower Upper

228 100

226 24.9 19.8 29.6

229 20.0 16.0 24.0



#20

Chrysene

Concen: 2.04 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

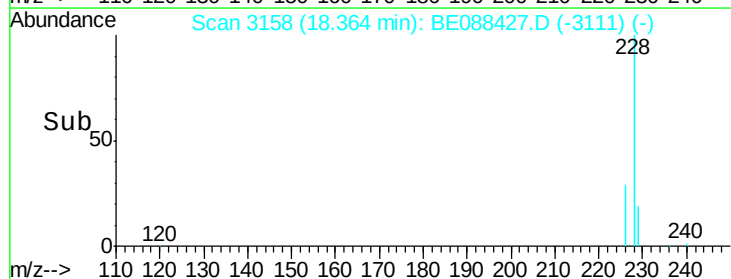
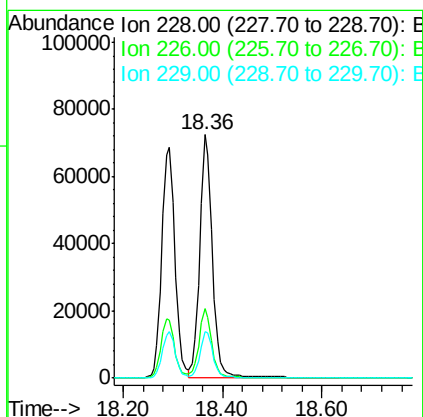
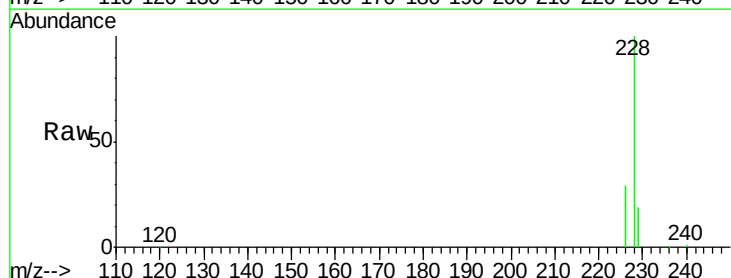
Tgt Ion:228 Resp: 124733

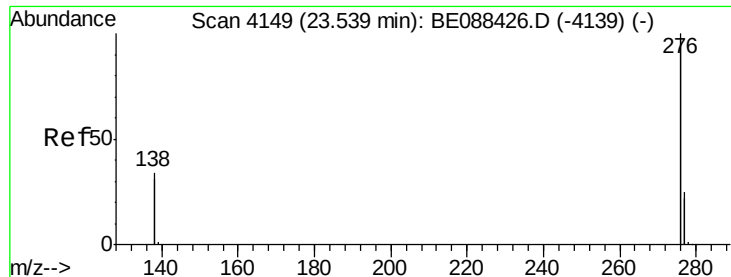
Ion Ratio Lower Upper

228 100

226 28.7 23.6 35.4

229 19.1 15.4 23.2





#21

Indeno(1,2,3-cd)pyrene

Concen: 1.54 ng

RT: 23.55 min Scan# 4150

Delta R.T. 0.01 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

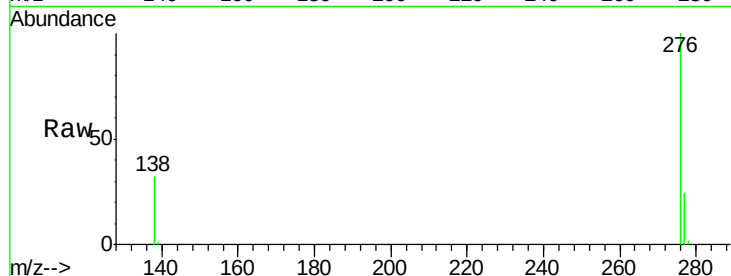
Tgt Ion: 276 Resp: 89252

Ion Ratio Lower Upper

276 100

138 32.0 20.2 30.2#

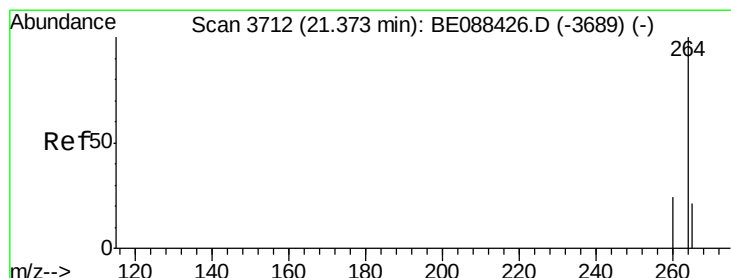
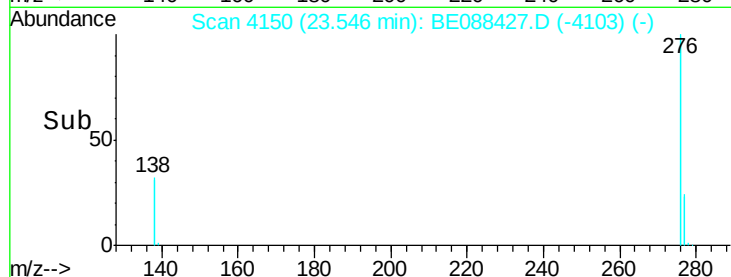
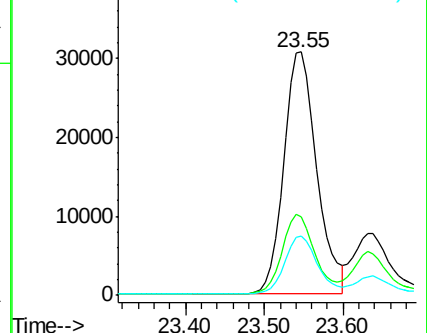
277 23.7 14.8 22.2#



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.37 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

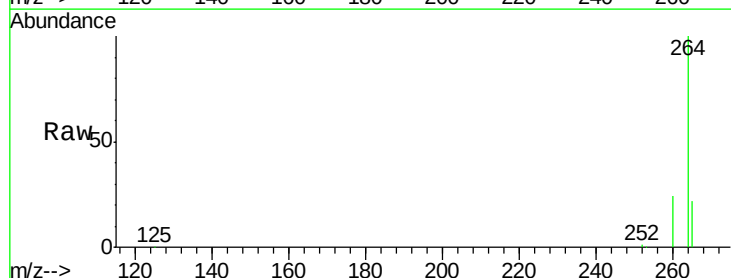
Tgt Ion: 264 Resp: 57510

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

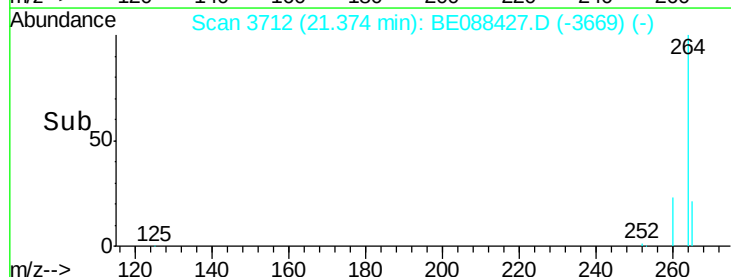
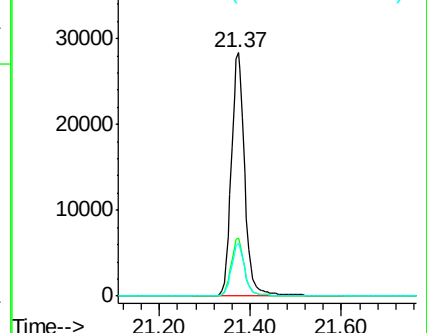
265 21.6 17.2 25.8

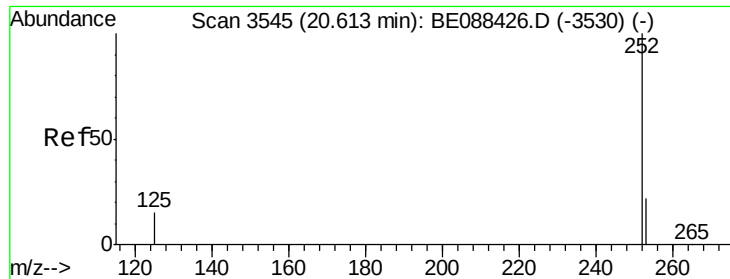


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

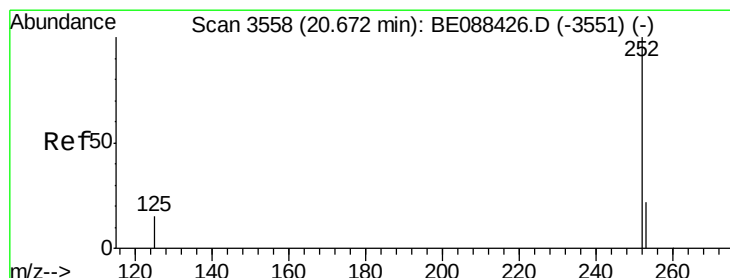
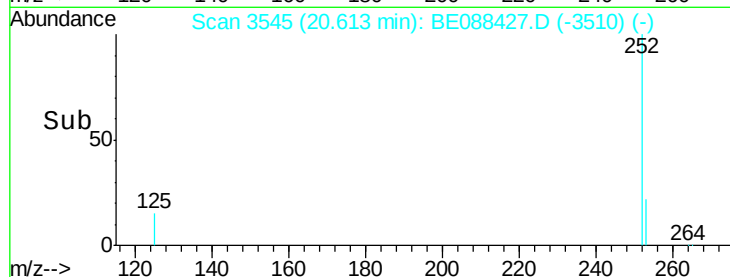
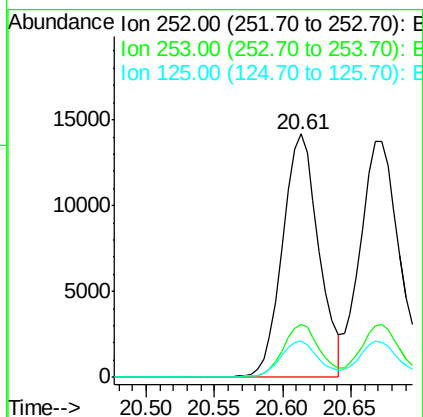
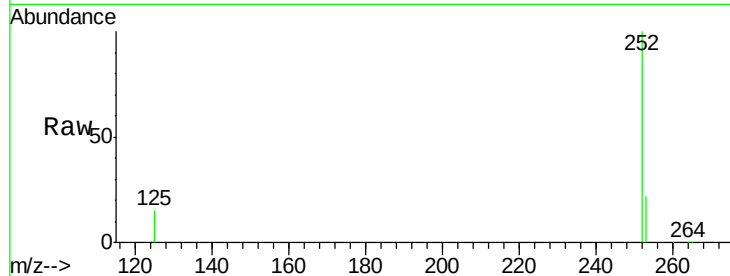




#23
Benzo(b)fluoranthene
Concen: 2.07 ng
RT: 20.61 min Scan# 3545
Delta R.T. 0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

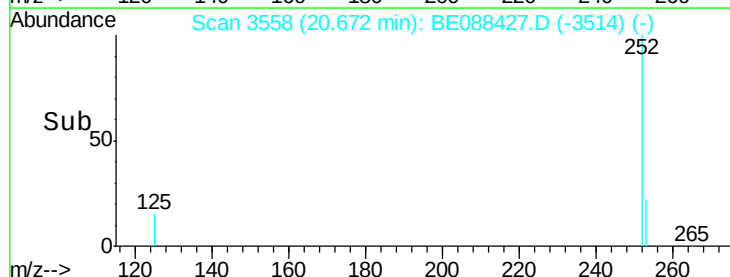
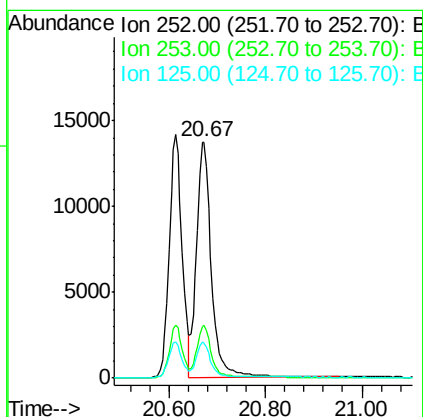
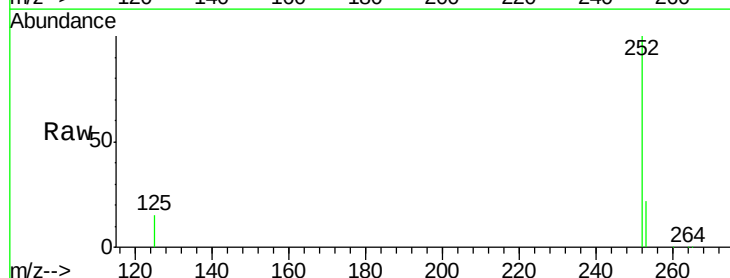
Instrument :
BNA_E
ClientSampleId :
SSTDIC002

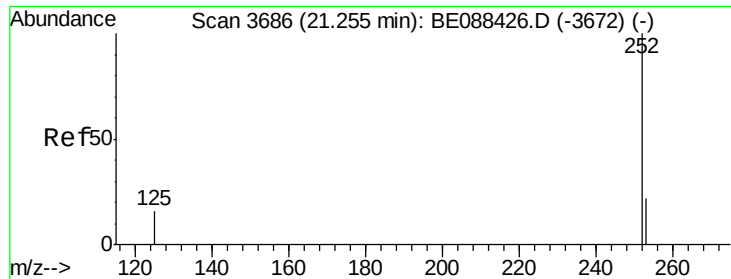
Tgt Ion:252 Resp: 25979
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 15.1 12.3 18.5



#24
Benzo(k)fluoranthene
Concen: 2.10 ng
RT: 20.67 min Scan# 3558
Delta R.T. 0.00 min
Lab File: BE088427.D
Acq: 31 Oct 2014 17:33

Tgt Ion:252 Resp: 29223
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 15.0 12.2 18.4





#25

Benzo(a)pyrene

Concen: 2.08 ng

RT: 21.26 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

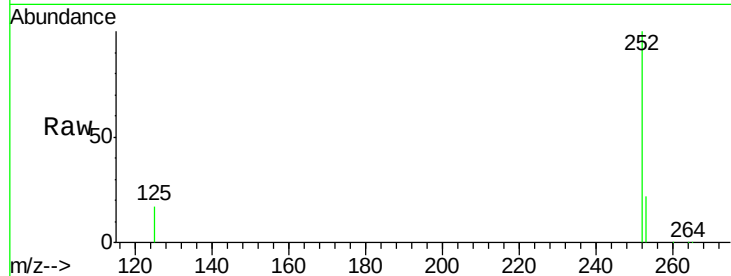
Tgt Ion:252 Resp: 24985

Ion Ratio Lower Upper

252 100

253 21.7 18.2 27.4

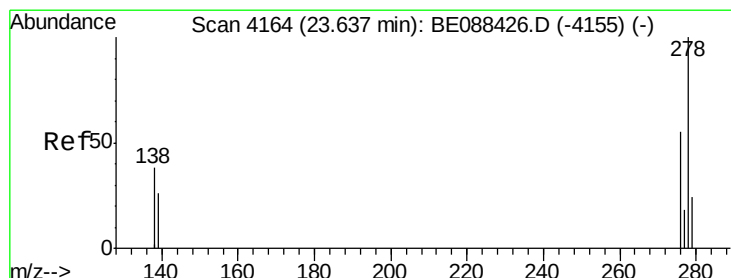
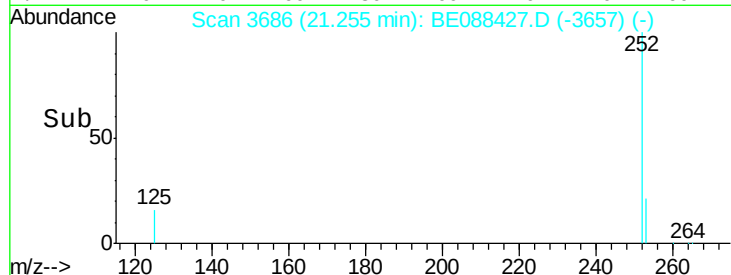
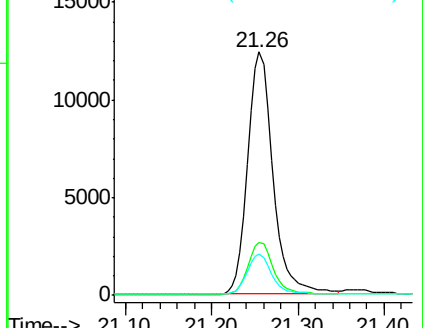
125 16.8 13.7 20.5



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: 2.05 ng

RT: 23.64 min Scan# 4164

Delta R.T. 0.00 min

Lab File: BE088427.D

Acq: 31 Oct 2014 17:33

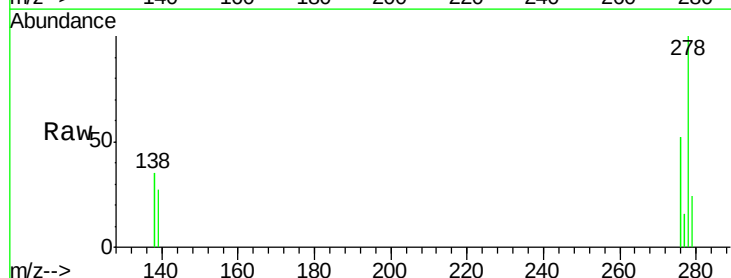
Tgt Ion:278 Resp: 22922

Ion Ratio Lower Upper

278 100

139 27.0 22.1 33.1

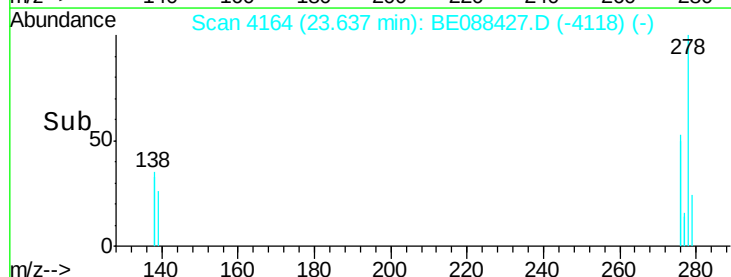
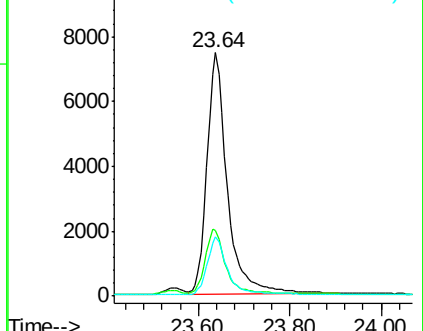
279 24.4 19.7 29.5

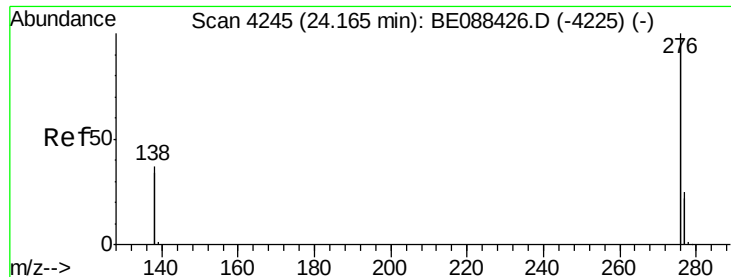


Abundance Ion 278.00 (277.70 to 278.70): E

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: 2.00 ng

RT: 24.17 min Scan# 4245

Delta R.T. 0.00 min

Lab File: BE088427.D

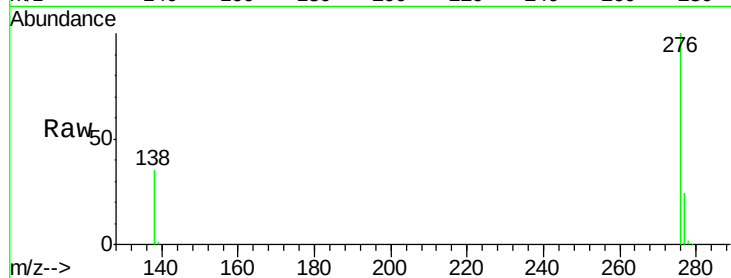
Acq: 31 Oct 2014 17:33

Instrument :

BNA_E

ClientSampleId :

SSTDICC002



Tgt Ion: 276 Resp: 103389

Ion Ratio Lower Upper

276 100

277 24.0 19.8 29.6

138 35.2 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

