

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088120.D
 Acq On : 20 Oct 2014 22:20
 Operator : TP/JJ
 Sample : SSTDICC002
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Quant Time: Oct 21 01:57:36 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 01:52:35 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	48399	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	181177	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	80460	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	142798	5.00	ng	0.00
16) Chrysene-d12	18.39	240	106422	5.00	ng	0.00
22) Perylene-d12	21.44	264	99750	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	27344	2.49	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	45564	2.05	ng	0.00
18) Terphenyl-d14	16.15	244	34732	2.10	ng	0.00

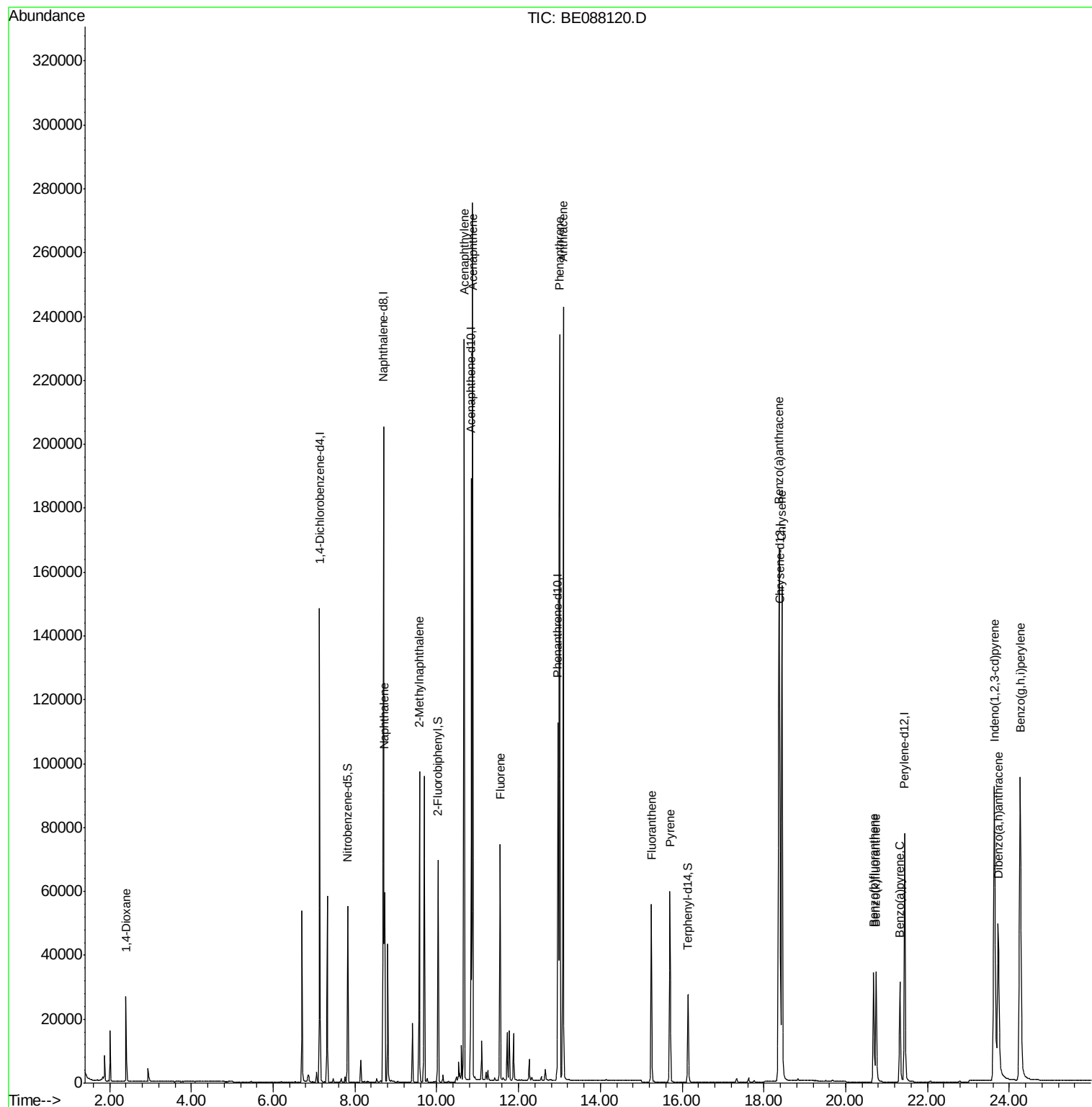
Target Compounds					Qvalue	
2) 1,4-Dioxane	2.40	88	14261	2.06	ng	99
5) Naphthalene	8.72	128	75546	2.06	ng	100
6) 2-Methylnaphthalene	9.58	142	45828	2.12	ng	100
9) Acenaphthylene	10.67	152	253668	2.22	ng	100
10) Acenaphthene	10.88	154	37724	2.02	ng	99
11) Fluorene	11.55	166	40883	2.15	ng	100
13) Phenanthrene	13.01	178	227701	1.71	ng	94
14) Anthracene	13.09	178	227550	1.96	ng	99
15) Fluoranthene	15.25	202	52943	1.88	ng	99
17) Pyrene	15.70	202	56534	2.07	ng	100
19) Benzo(a)anthracene	18.36	228	181352	2.23	ng	100
20) Chrysene	18.44	228	181862	1.83	ng	100
21) Indeno(1,2,3-cd)pyrene	23.63	276	167250	2.07	ng	# 87
23) Benzo(b)fluoranthene	20.69	252	46707	2.50	ng	99
24) Benzo(k)fluoranthene	20.74	252	50196	1.93	ng	100
25) Benzo(a)pyrene	21.32	252	44322	2.75	ng	99
26) Dibenzo(a,h)anthracene	23.74	278	43168	2.53	ng	98
27) Benzo(g,h,i)perylene	24.26	276	188146	2.29	ng	99

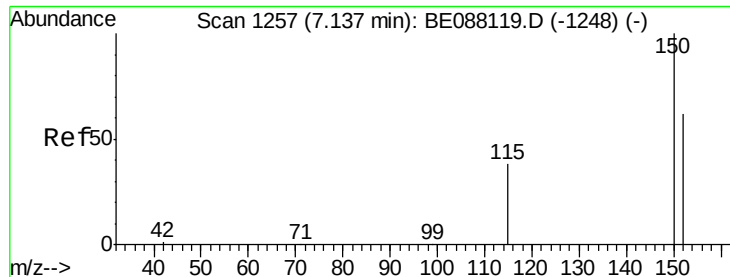
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDIC002

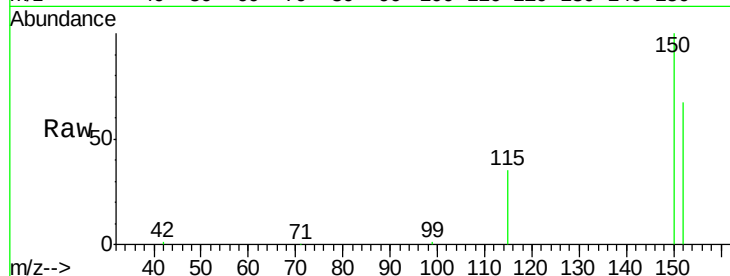
Tgt Ion:152 Resp: 48399

Ion Ratio Lower Upper

152 100

150 148.2 129.2 193.8

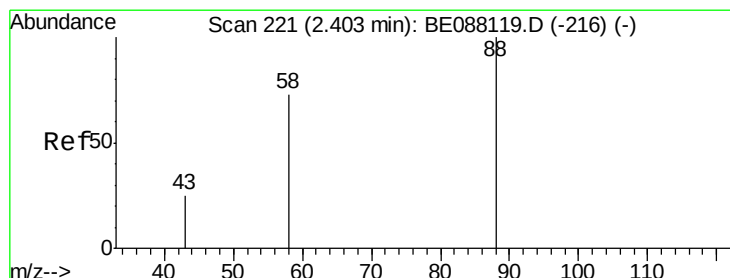
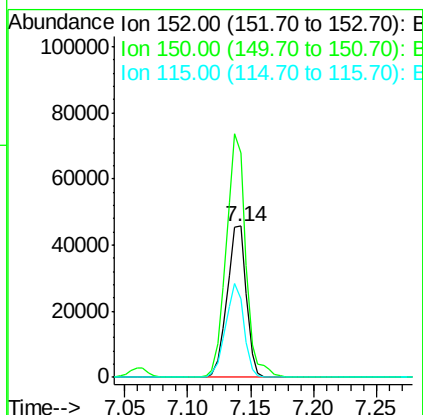
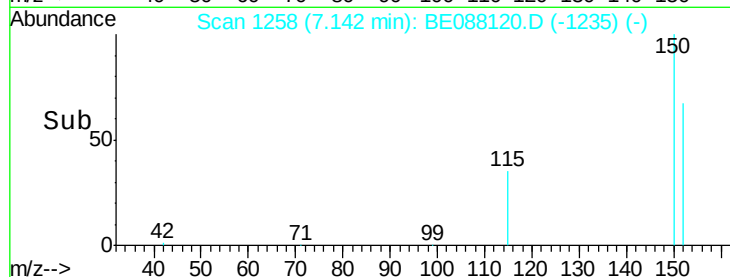
115 52.1 49.3 73.9



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: 2.06 ng

RT: 2.40 min Scan# 221

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

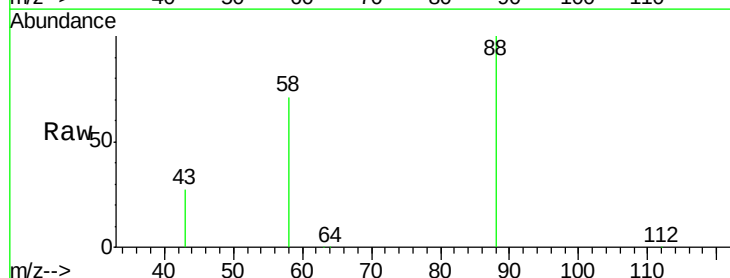
Tgt Ion: 88 Resp: 14261

Ion Ratio Lower Upper

88 100

58 73.8 59.5 89.3

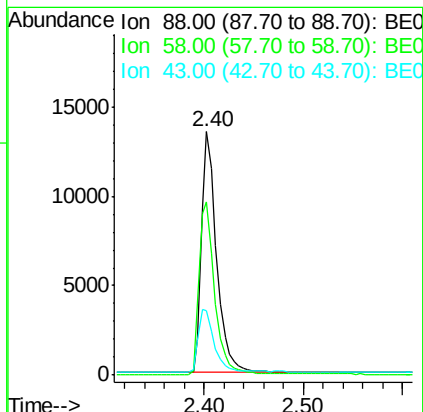
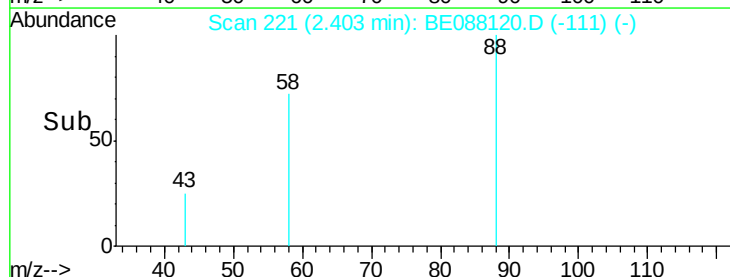
43 26.9 21.2 31.8

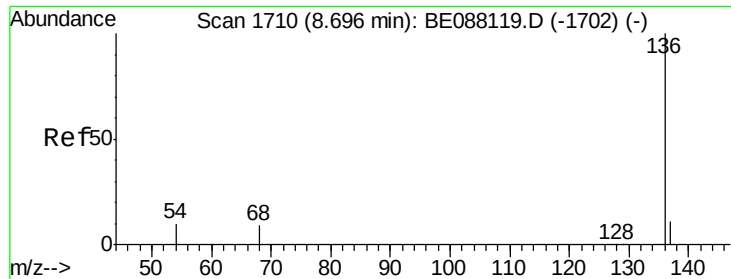


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1710

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

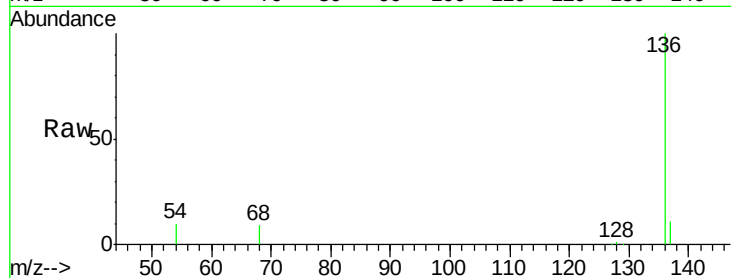
Tgt Ion: 136 Resp: 181177

Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 9.6 7.7 11.5

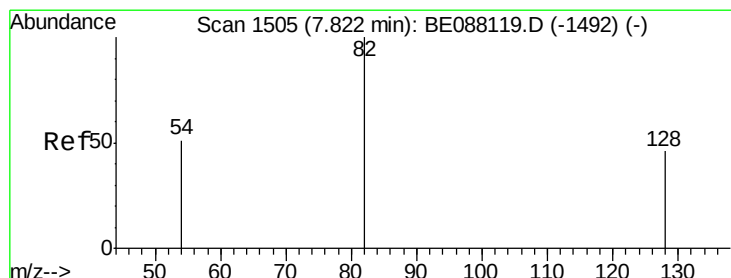
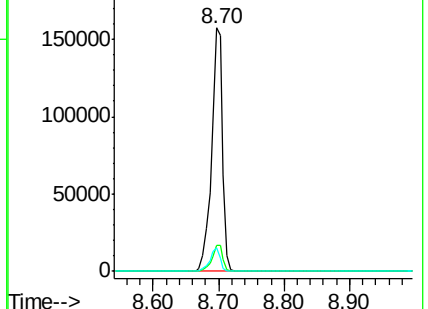
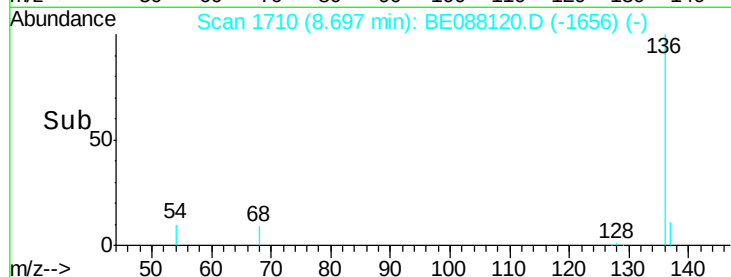


Abundance Ion 136.00 (135.70 to 136.70): BE088119.D (-1702) (-)

Ion 137.00 (136.70 to 137.70): BE088119.D (-1702) (-)

Ion 54.00 (53.70 to 54.70): BE088119.D (-1702) (-)

Time-->



#4

Nitrobenzene-d5

Concen: 2.49 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

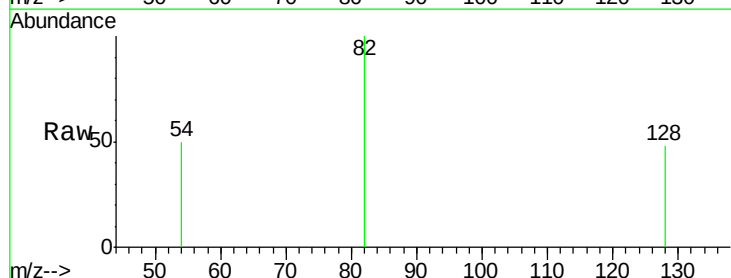
Tgt Ion: 82 Resp: 27344

Ion Ratio Lower Upper

82 100

128 48.4 37.1 55.7

54 50.0 41.1 61.7

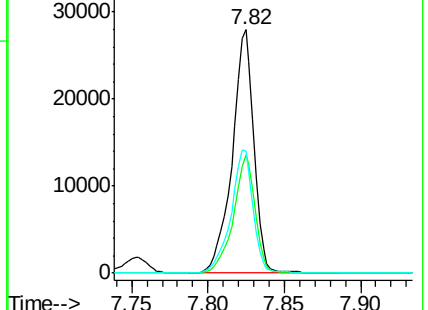
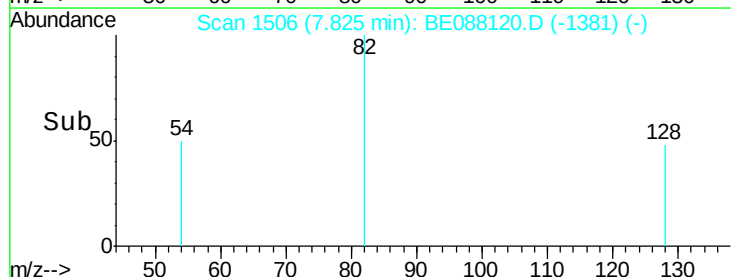


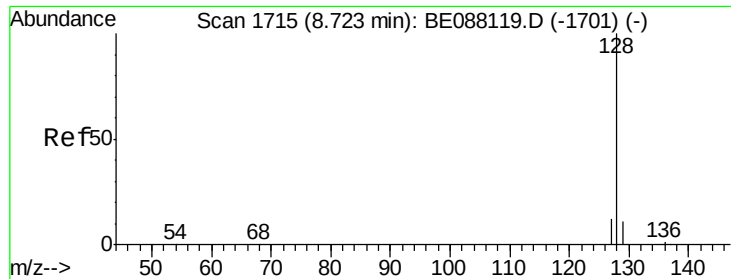
Abundance Ion 82.00 (81.70 to 82.70): BE088119.D (-1492) (-)

Ion 128.00 (127.70 to 128.70): BE088119.D (-1492) (-)

Ion 54.00 (53.70 to 54.70): BE088119.D (-1492) (-)

Time-->





#5

Naphthalene

Concen: 2.06 ng

RT: 8.72 min Scan# 1715

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

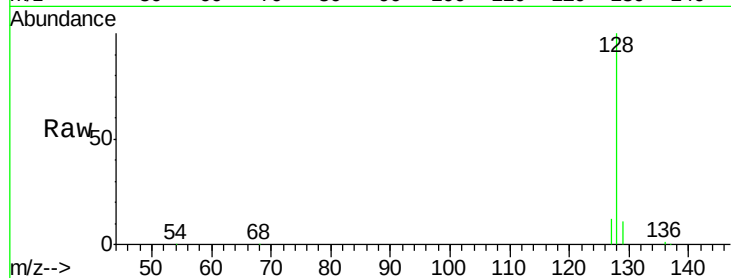
Tgt Ion:128 Resp: 75546

Ion Ratio Lower Upper

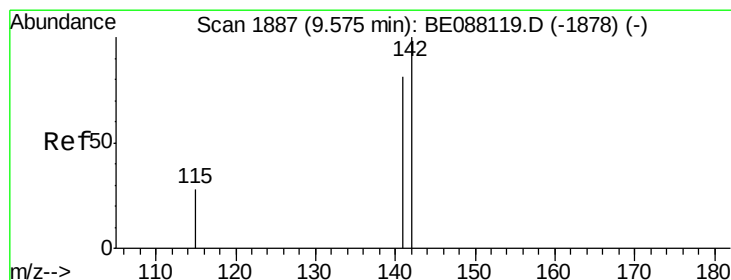
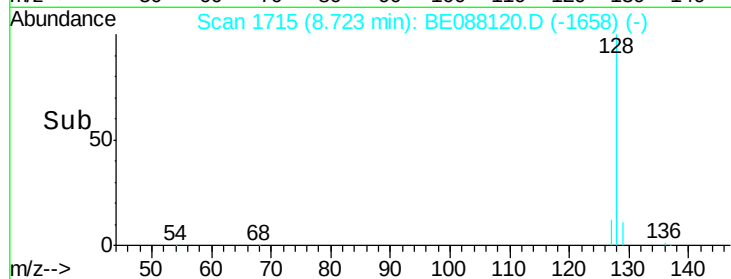
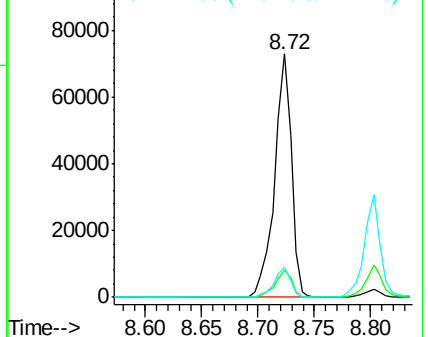
128 100

129 11.0 8.9 13.3

127 12.0 9.7 14.5



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: 2.12 ng

RT: 9.58 min Scan# 1887

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

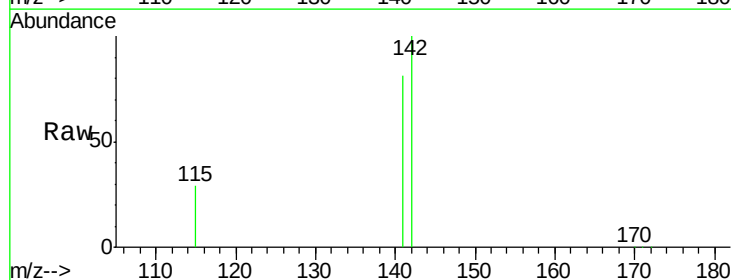
Tgt Ion:142 Resp: 45828

Ion Ratio Lower Upper

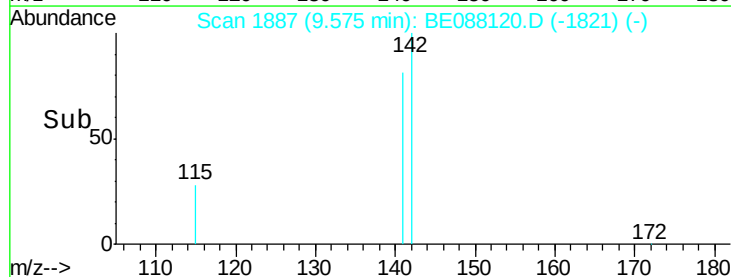
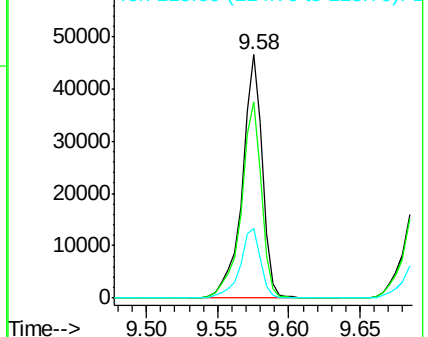
142 100

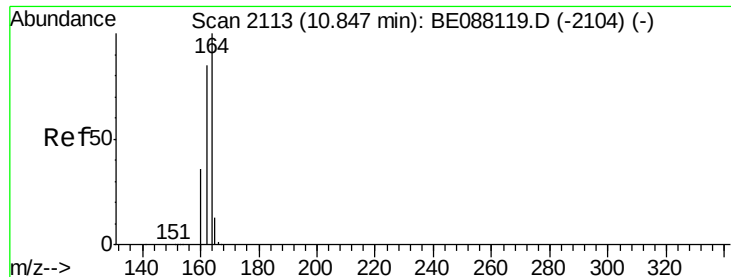
141 80.8 64.6 97.0

115 28.5 22.6 34.0



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: 10.85 min Scan# 2113

Delta R.T. -0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

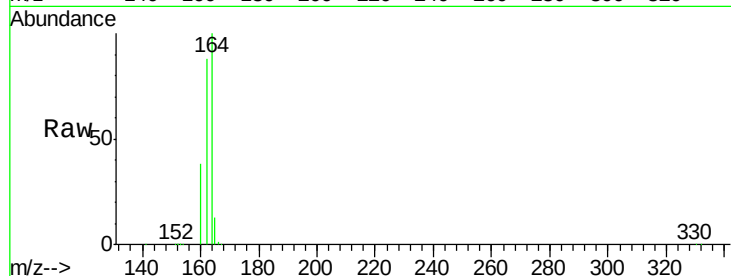
Tgt Ion:164 Resp: 80460

Ion Ratio Lower Upper

164 100

162 87.9 68.3 102.5

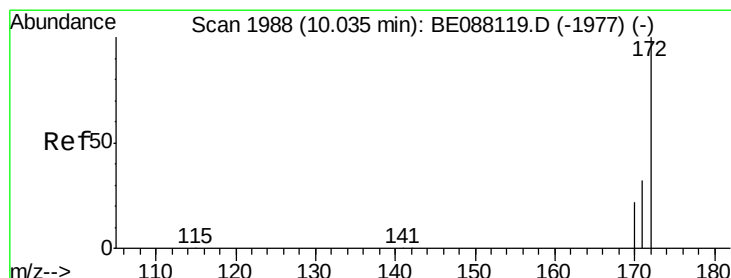
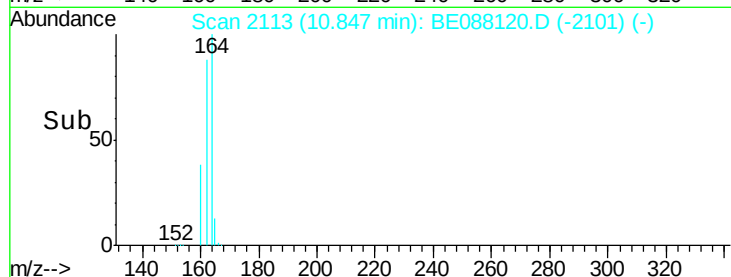
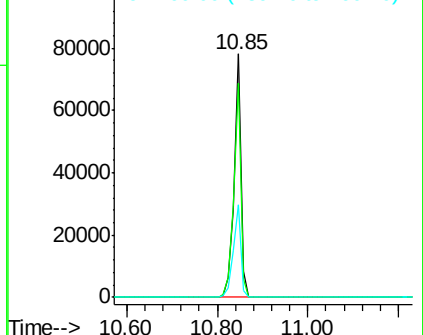
160 38.2 28.7 43.1



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: 2.05 ng

RT: 10.03 min Scan# 1988

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

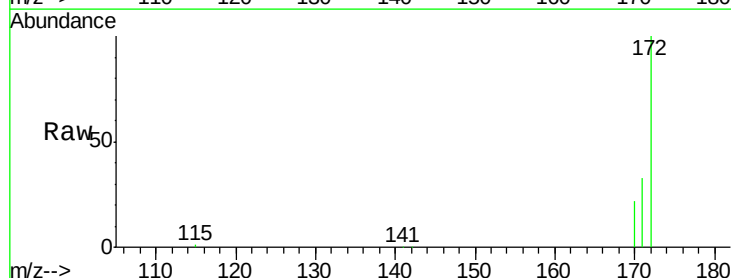
Tgt Ion:172 Resp: 45564

Ion Ratio Lower Upper

172 100

171 32.7 25.4 38.2

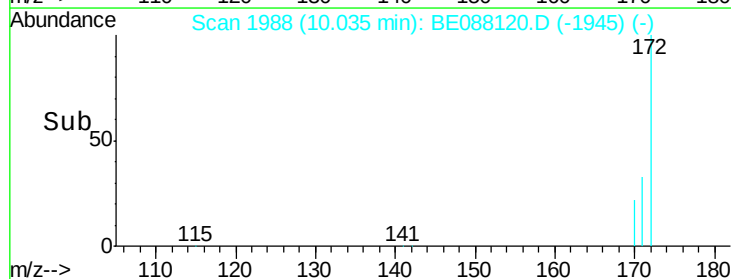
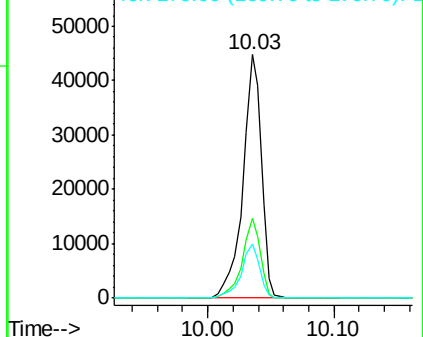
170 22.5 17.4 26.2

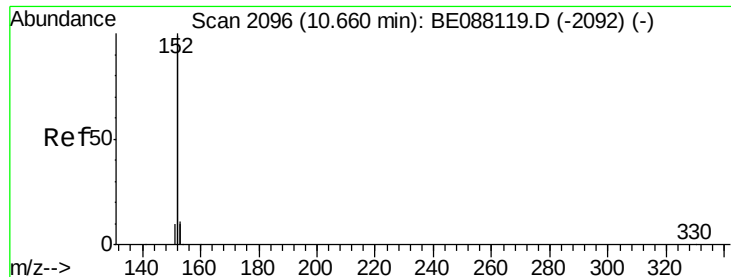


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 2.22 ng

RT: 10.67 min Scan# 2097

Delta R.T. 0.01 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

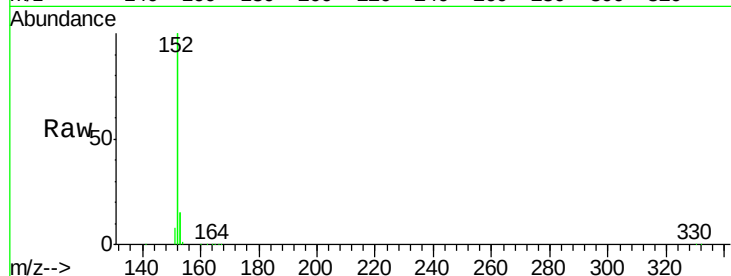
Tgt Ion:152 Resp: 253668

Ion Ratio Lower Upper

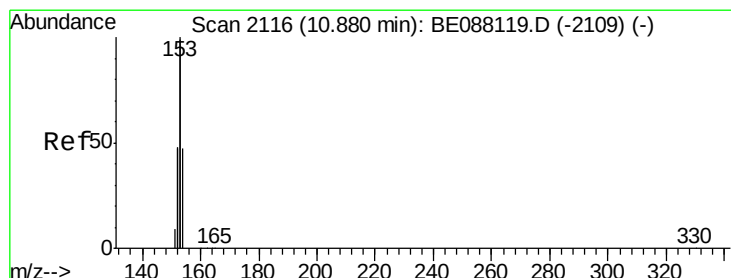
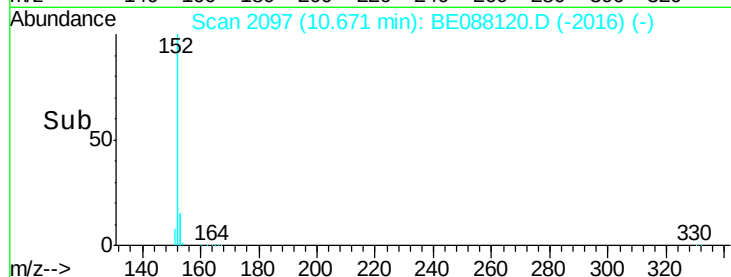
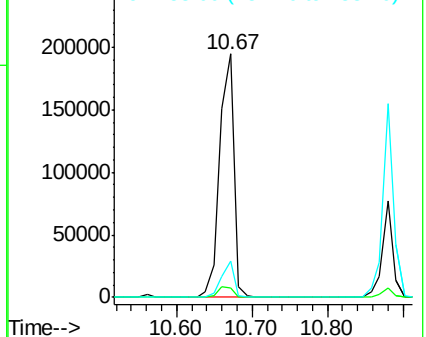
152 100

151 4.6 3.7 5.5

153 13.2 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#10

Acenaphthene

Concen: 2.02 ng

RT: 10.88 min Scan# 2116

Delta R.T. -0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

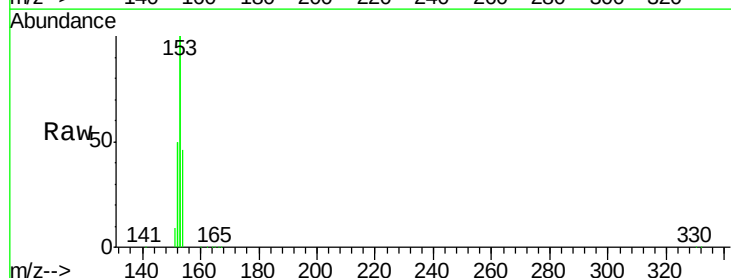
Tgt Ion:154 Resp: 37724

Ion Ratio Lower Upper

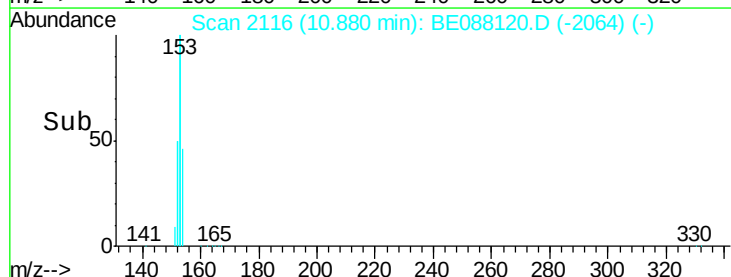
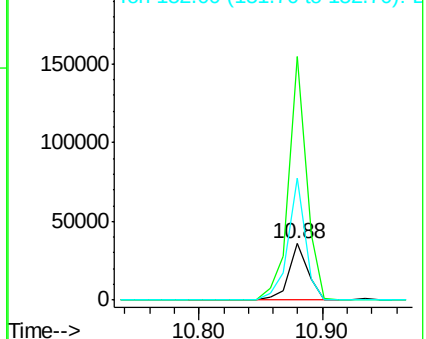
154 100

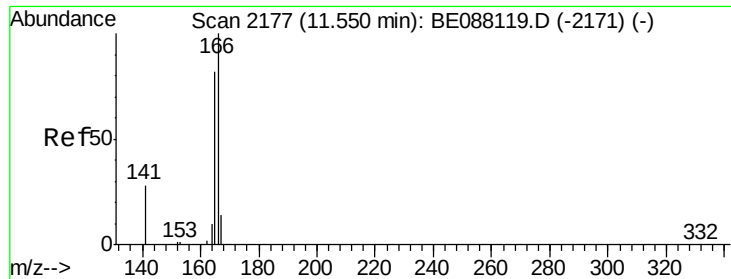
153 407.4 327.8 491.6

152 197.0 157.6 236.4



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

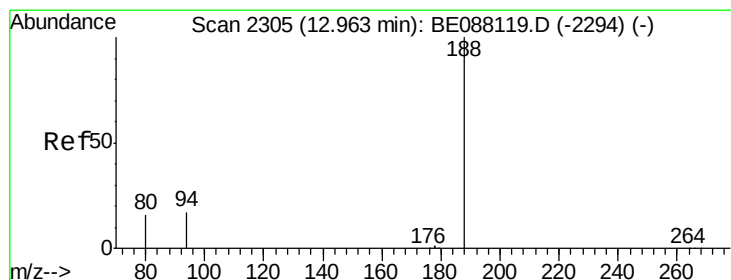
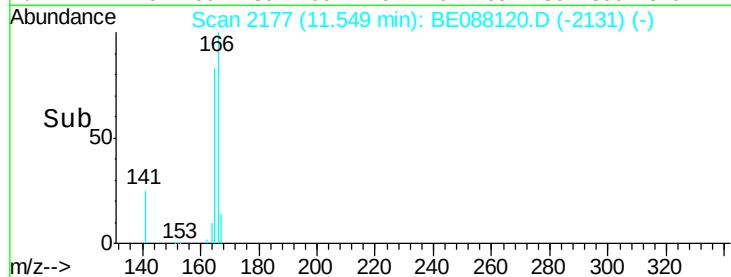
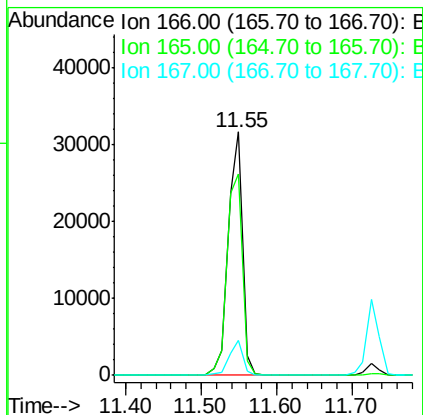
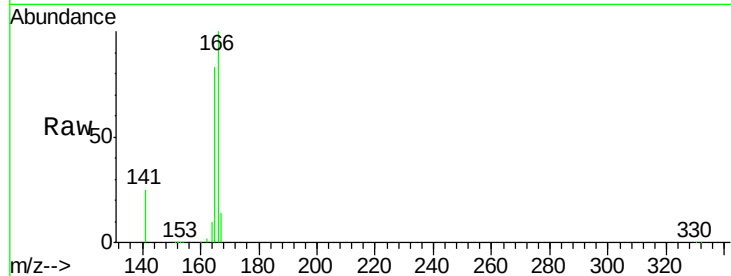




#11
 Fluorene
 Concen: 2.15 ng
 RT: 11.55 min Scan# 2177
 Delta R.T. -0.00 min
 Lab File: BE088120.D
 Acq: 20 Oct 2014 22:20

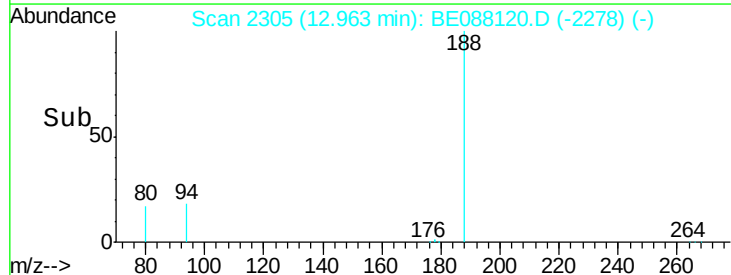
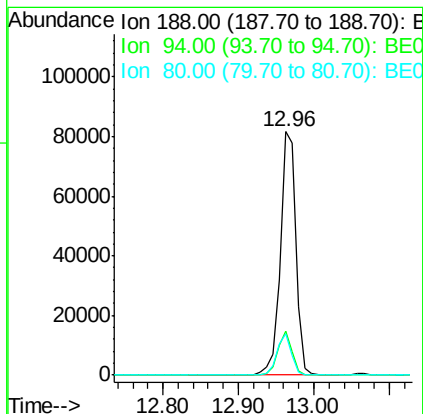
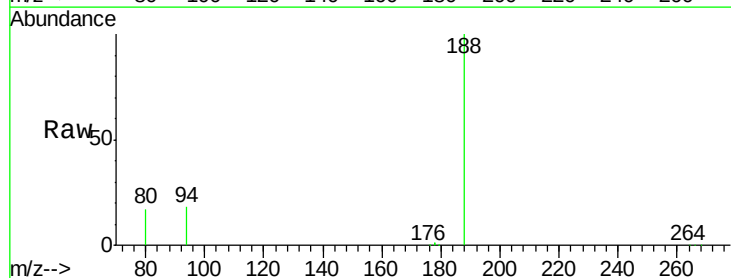
Instrument :
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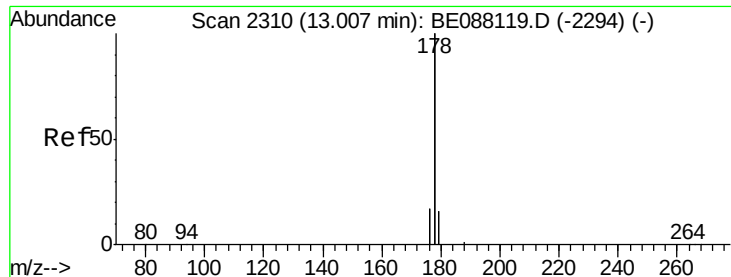
Tgt Ion:166 Resp: 40883
 Ion Ratio Lower Upper
 166 100
 165 89.6 71.4 107.2
 167 13.4 10.6 16.0



#12
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 12.96 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: BE088120.D
 Acq: 20 Oct 2014 22:20

Tgt Ion:188 Resp: 142798
 Ion Ratio Lower Upper
 188 100
 94 18.1 13.9 20.9
 80 17.1 12.9 19.3





#13

Phenanthrene

Concen: 1.71 ng

RT: 13.01 min Scan# 2310

Delta R.T. -0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

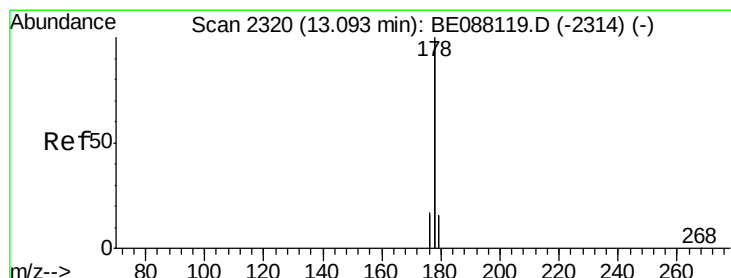
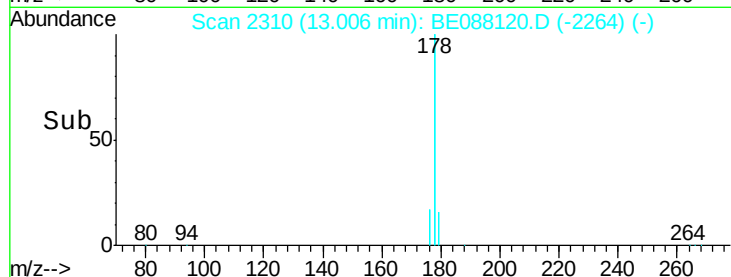
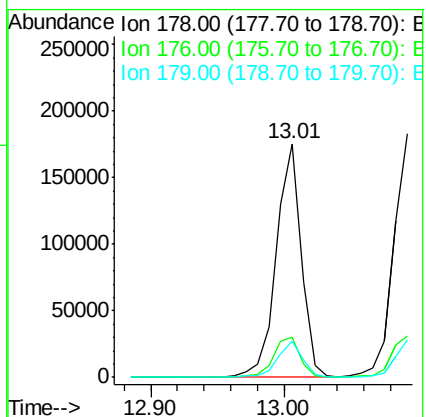
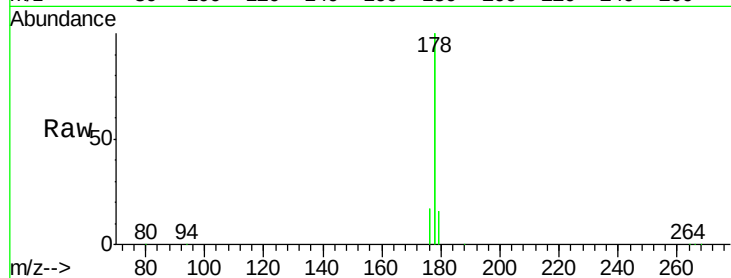
Tgt Ion:178 Resp: 227701

Ion Ratio Lower Upper

178 100

176 18.5 12.5 18.7

179 19.4 13.5 20.3



#14

Anthracene

Concen: 1.96 ng

RT: 13.09 min Scan# 2320

Delta R.T. -0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

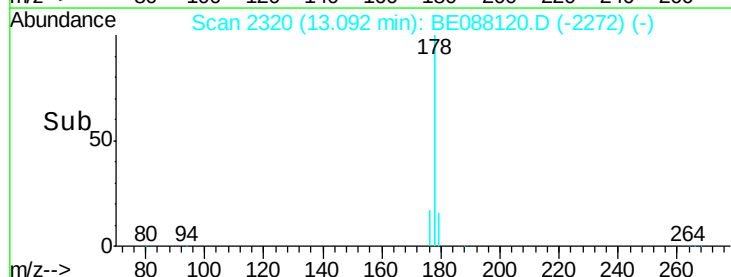
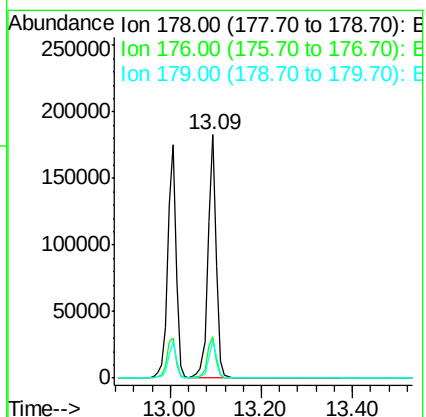
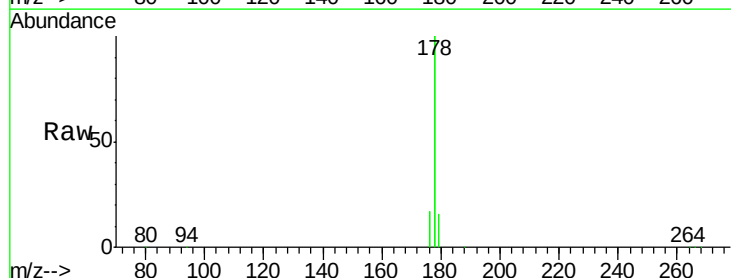
Tgt Ion:178 Resp: 227550

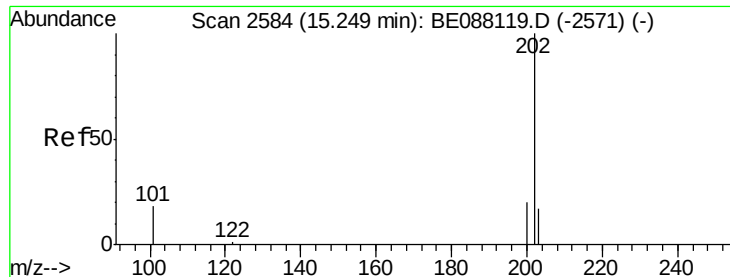
Ion Ratio Lower Upper

178 100

176 17.8 14.6 21.8

179 15.7 12.5 18.7

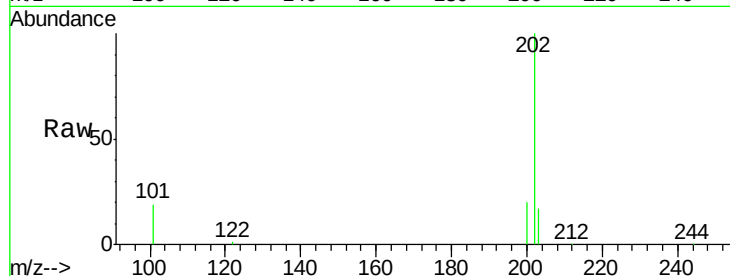




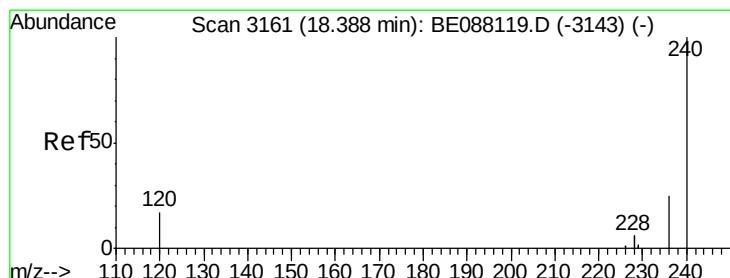
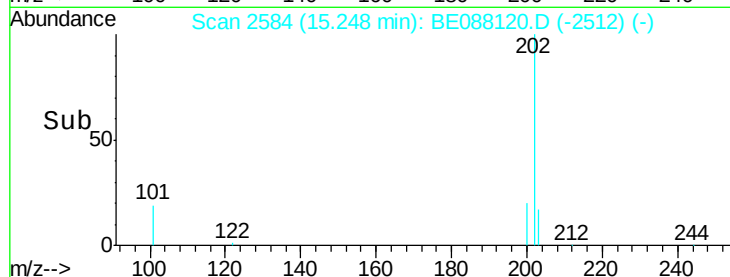
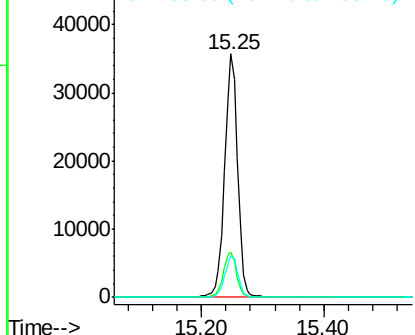
#15
 Fluoranthene
 Concen: 1.88 ng
 RT: 15.25 min Scan# 2584
 Delta R.T. -0.00 min
 Lab File: BE088120.D
 Acq: 20 Oct 2014 22:20

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

Tgt Ion: 202 Resp: 52943
 Ion Ratio Lower Upper
 202 100
 101 18.7 14.8 22.2
 203 17.2 13.5 20.3

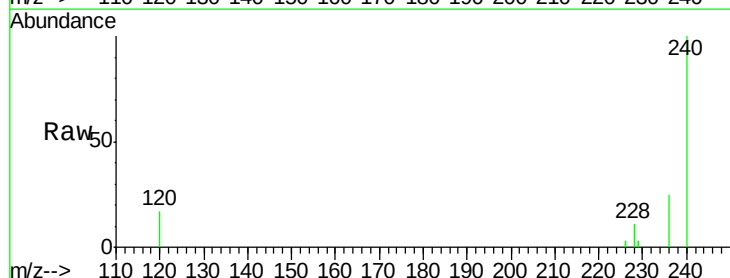


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

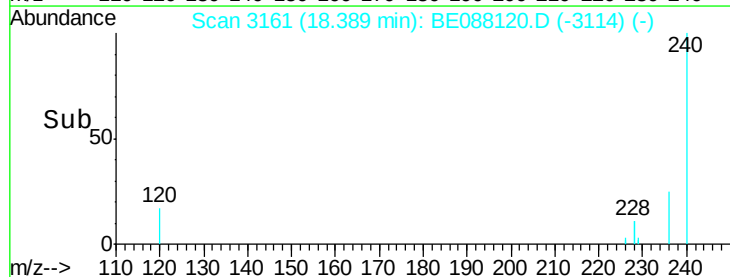
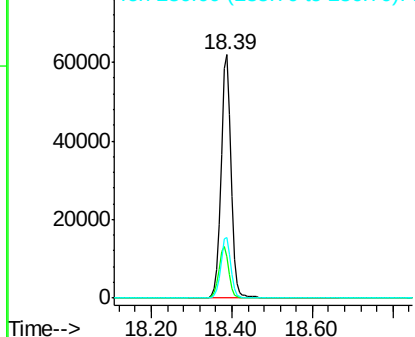


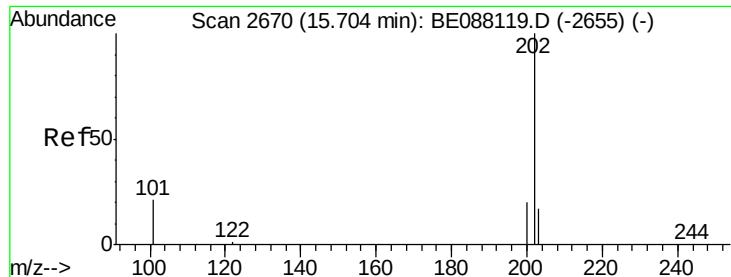
#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.39 min Scan# 3161
 Delta R.T. 0.00 min
 Lab File: BE088120.D
 Acq: 20 Oct 2014 22:20

Tgt Ion: 240 Resp: 106422
 Ion Ratio Lower Upper
 240 100
 120 16.9 13.9 20.9
 236 24.9 19.9 29.9



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

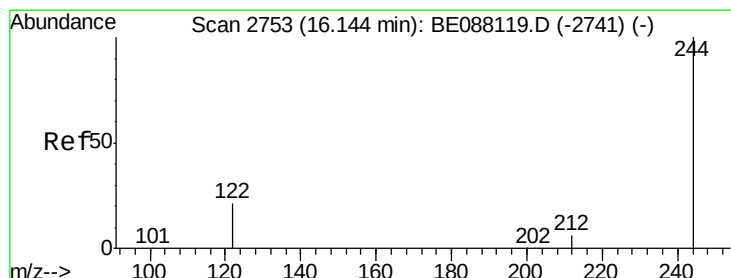
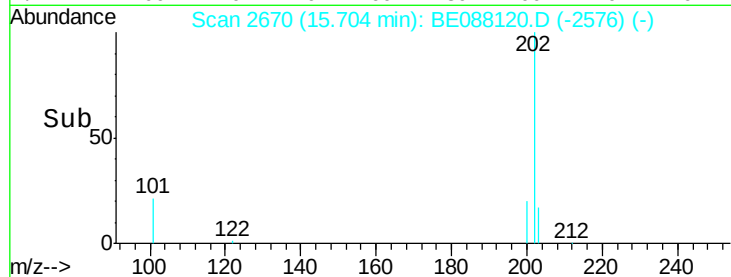
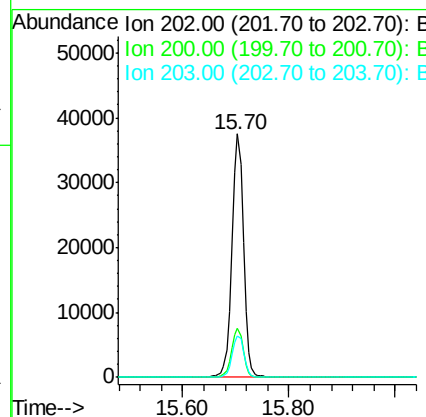
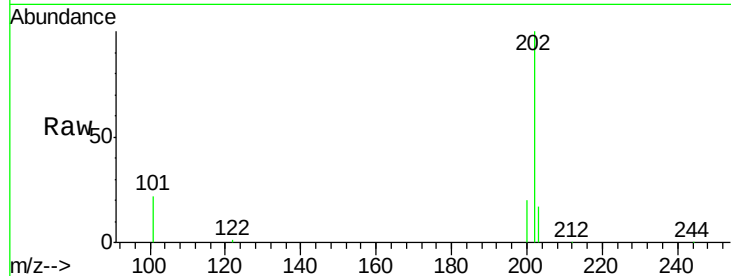




#17
 Pyrene
 Concen: 2.07 ng
 RT: 15.70 min Scan# 2670
 Delta R.T. -0.00 min
 Lab File: BE088120.D
 Acq: 20 Oct 2014 22:20

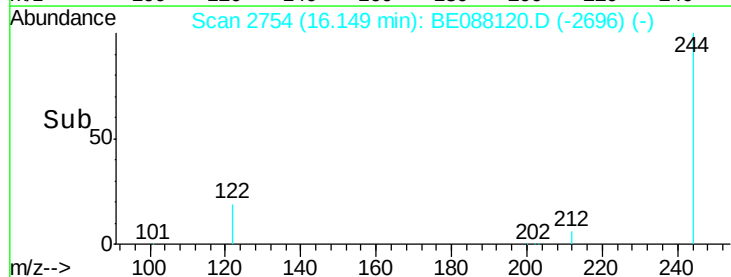
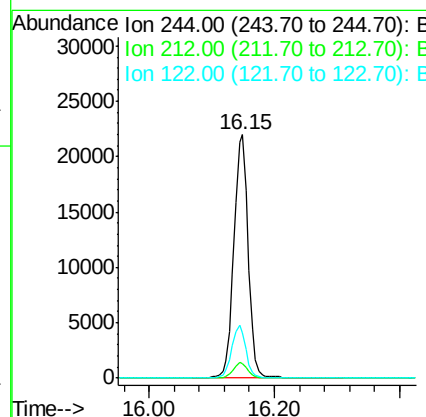
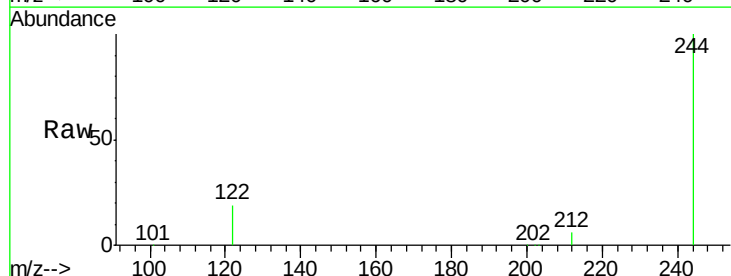
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC002

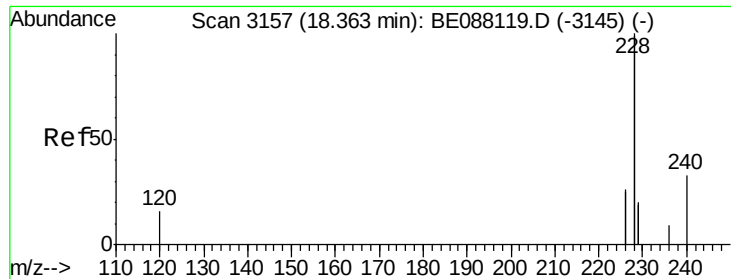
Tgt Ion: 202 Resp: 56534
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.1 24.1
 203 17.4 13.9 20.9



#18
 Terphenyl-d14
 Concen: 2.10 ng
 RT: 16.15 min Scan# 2754
 Delta R.T. 0.00 min
 Lab File: BE088120.D
 Acq: 20 Oct 2014 22:20

Tgt Ion: 244 Resp: 34732
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.0
 122 18.7 17.5 26.3





#19

Benzo(a)anthracene

Concen: 2.23 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

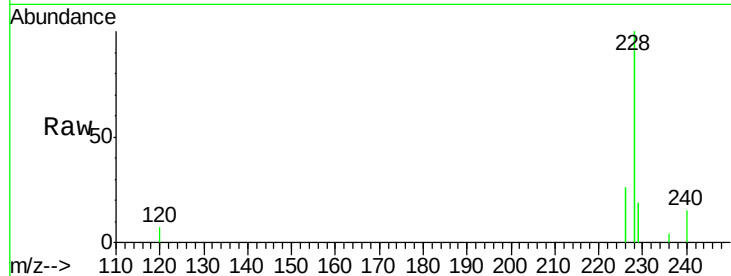
Tgt Ion:228 Resp: 181352

Ion Ratio Lower Upper

228 100

226 25.8 20.8 31.2

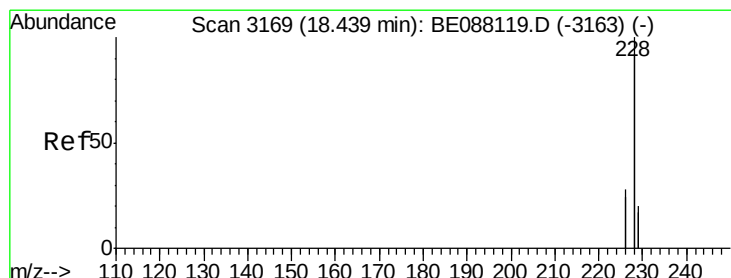
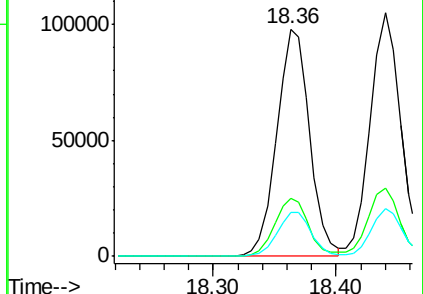
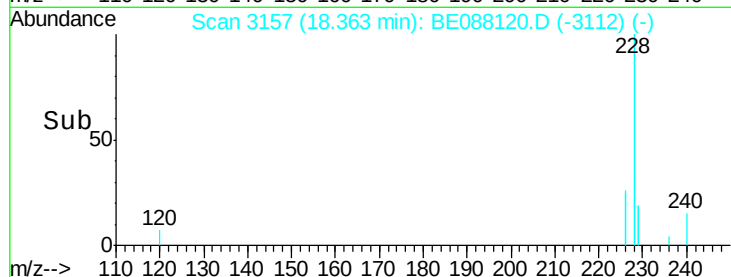
229 19.2 15.6 23.4



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: 1.83 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

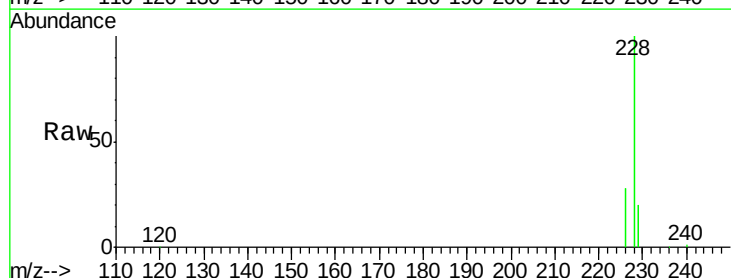
Tgt Ion:228 Resp: 181862

Ion Ratio Lower Upper

228 100

226 28.1 22.7 34.1

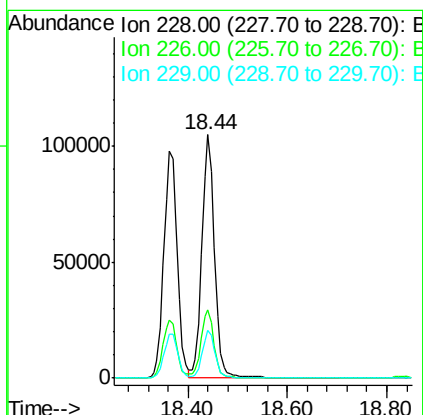
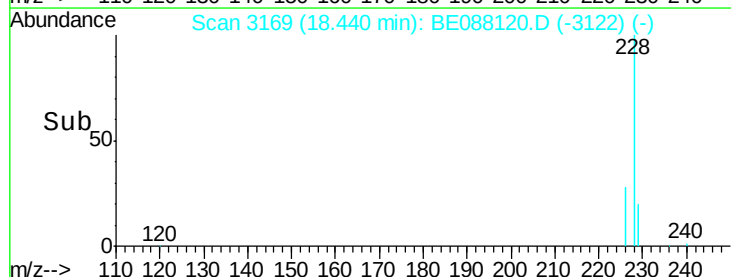
229 19.6 15.8 23.6

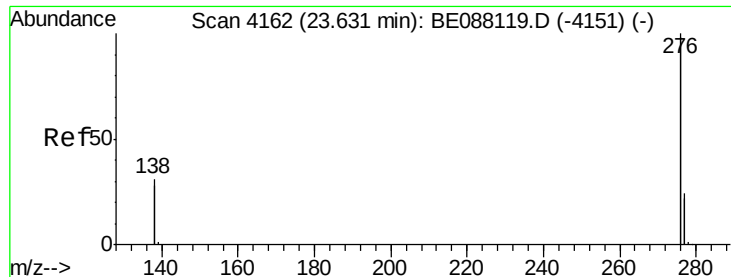


Abundance Ion 228.00 (227.70 to 228.70): E

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: 2.07 ng

RT: 23.63 min Scan# 4162

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

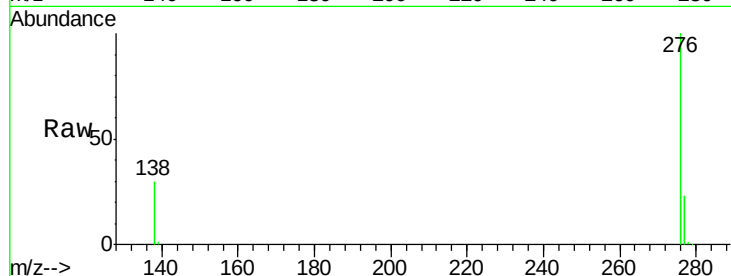
Tgt Ion: 276 Resp: 167250

Ion Ratio Lower Upper

276 100

138 29.9 18.5 27.7#

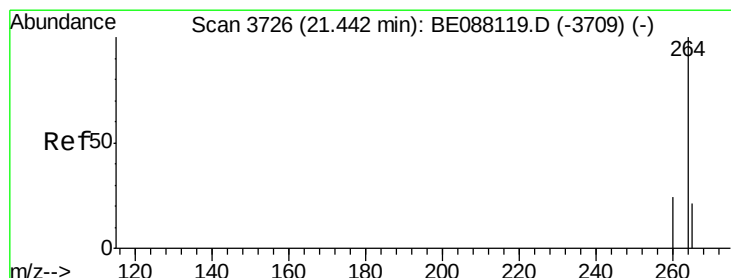
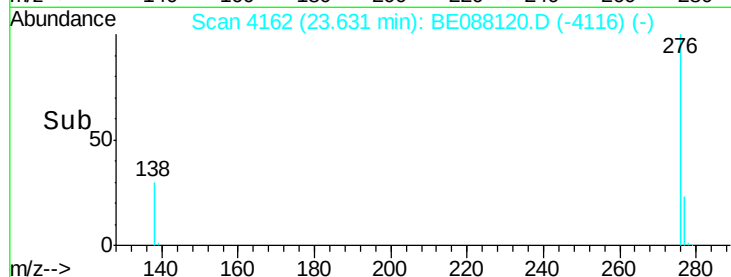
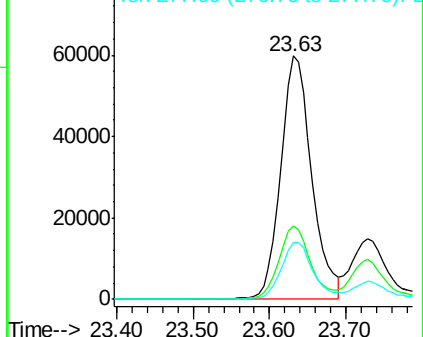
277 23.7 14.6 21.8#



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: 21.44 min Scan# 3726

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

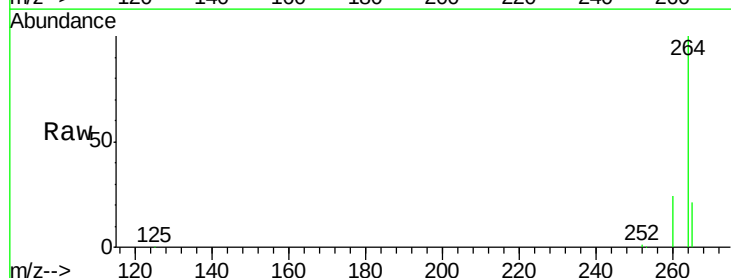
Tgt Ion: 264 Resp: 99750

Ion Ratio Lower Upper

264 100

260 23.8 19.0 28.4

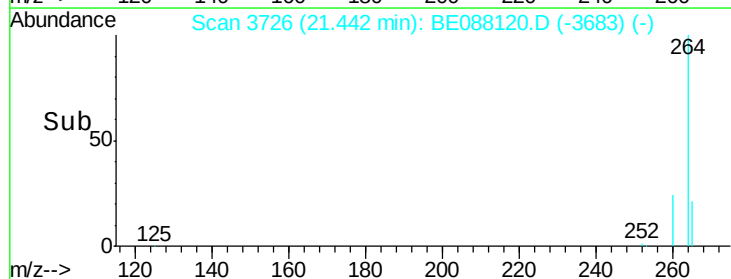
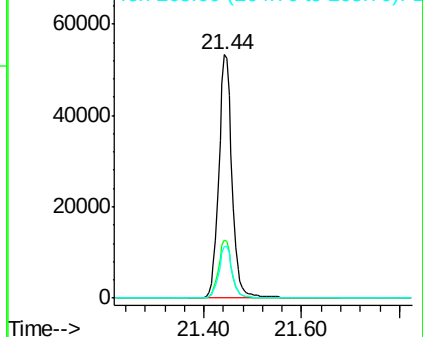
265 21.4 17.2 25.8

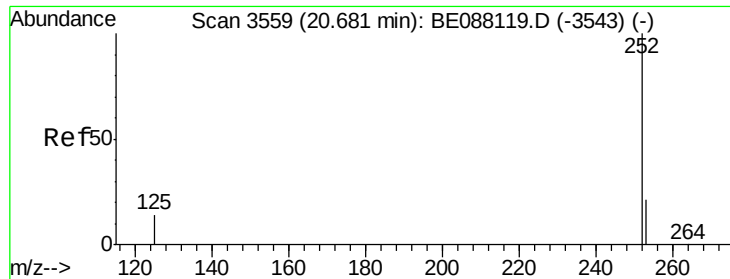


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 2.50 ng

RT: 20.69 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

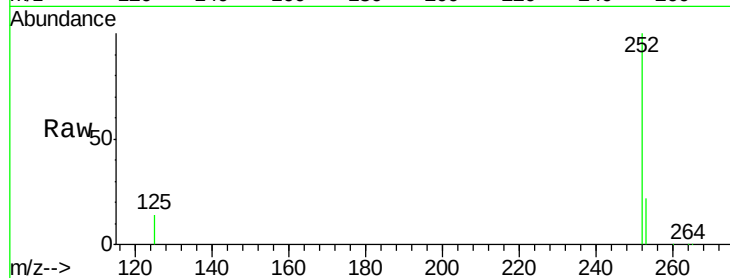
Tgt Ion:252 Resp: 46707

Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

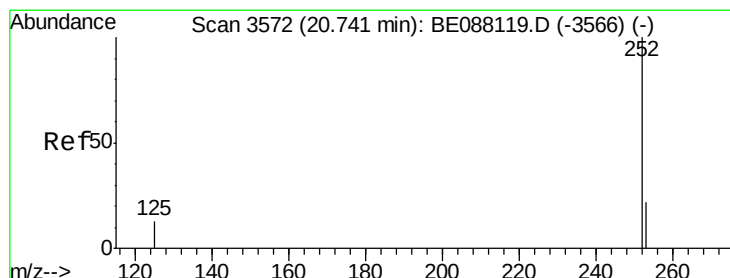
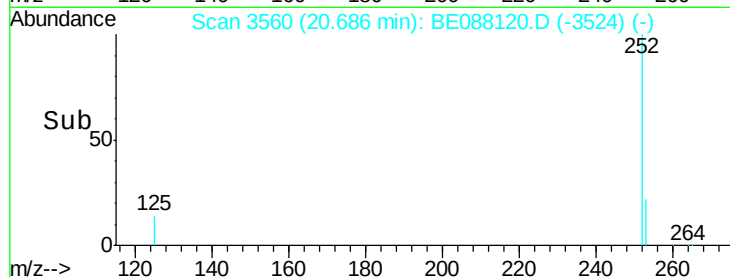
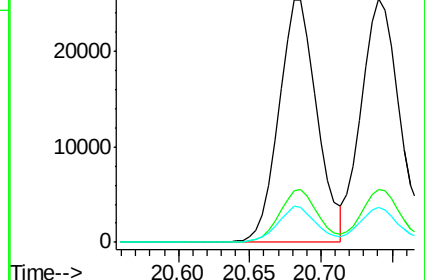
125 14.3 11.8 17.8



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



#24

Benzo(k)fluoranthene

Concen: 1.93 ng

RT: 20.74 min Scan# 3572

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

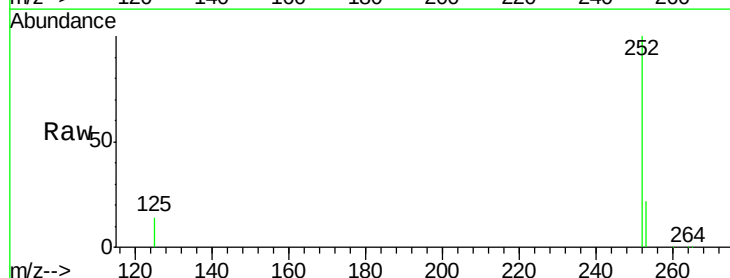
Tgt Ion:252 Resp: 50196

Ion Ratio Lower Upper

252 100

253 21.7 17.6 26.4

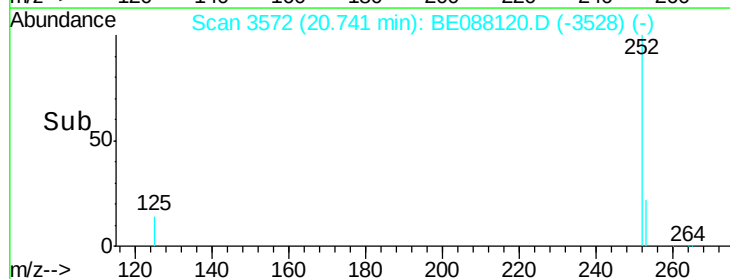
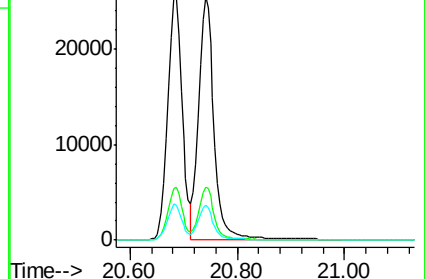
125 14.3 11.5 17.3

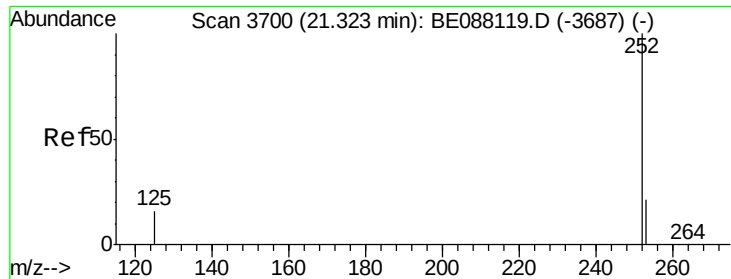


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 2.75 ng

RT: 21.32 min Scan# 3700

Delta R.T. 0.00 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDICC002

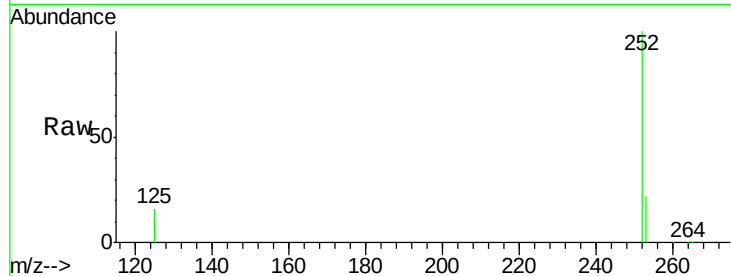
Tgt Ion:252 Resp: 44322

Ion Ratio Lower Upper

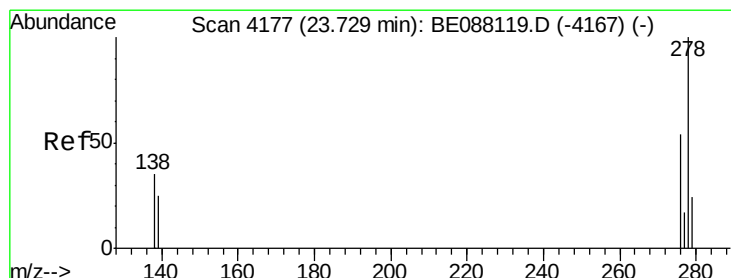
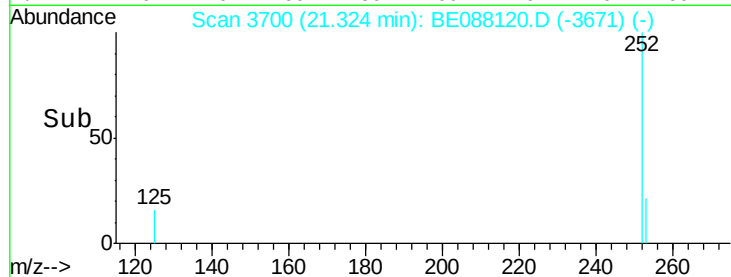
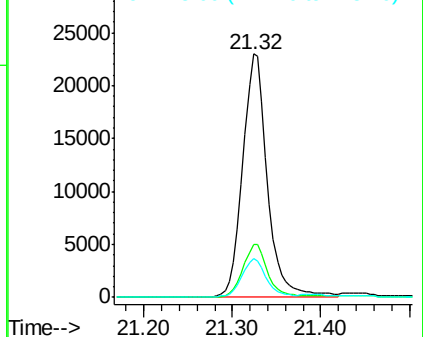
252 100

253 21.5 17.5 26.3

125 15.9 13.0 19.6



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



#26

Dibenzo(a,h)anthracene

Concen: 2.53 ng

RT: 23.74 min Scan# 4178

Delta R.T. 0.01 min

Lab File: BE088120.D

Acq: 20 Oct 2014 22:20

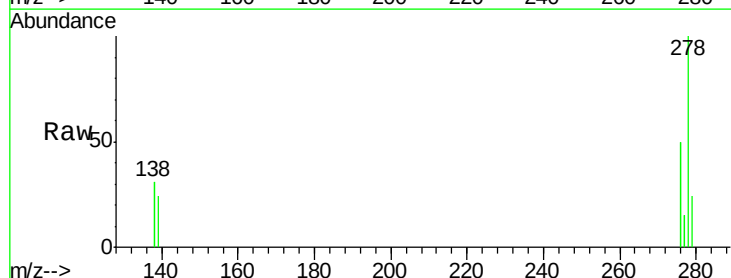
Tgt Ion:278 Resp: 43168

Ion Ratio Lower Upper

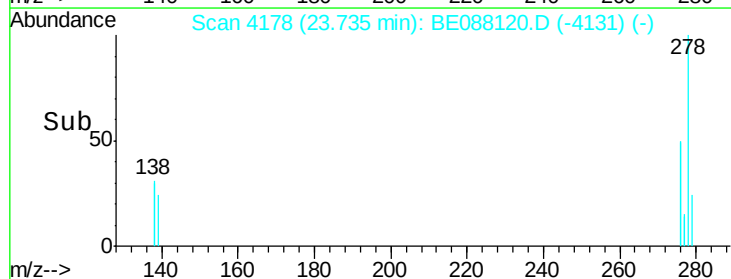
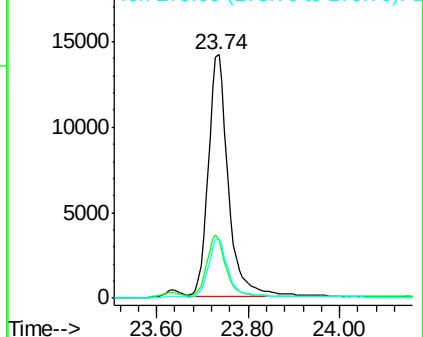
278 100

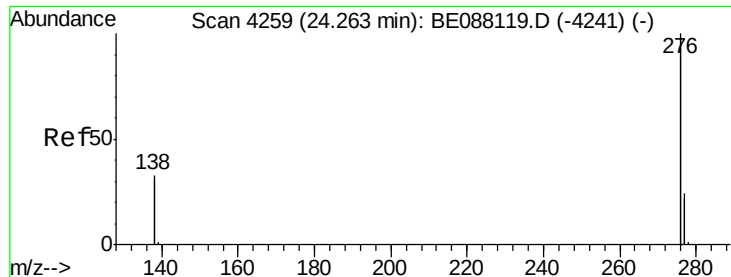
139 24.0 20.9 31.3

279 24.4 19.8 29.8



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: 2.29 ng

RT: 24.26 min Scan# 4259

Delta R.T. 0.00 min

Lab File: BE088120.D

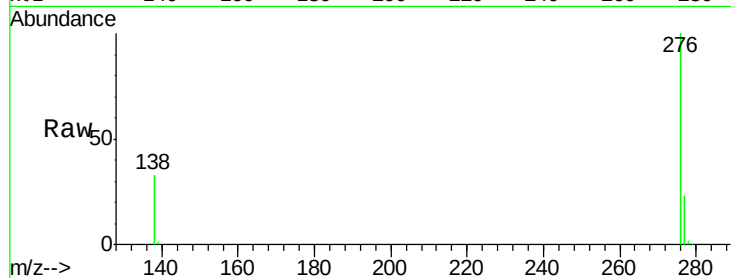
Acq: 20 Oct 2014 22:20

Instrument :

BNA_E

ClientSampleId :

SSTDIC002



Tgt Ion: 276 Resp: 188146

Ion Ratio Lower Upper

276 100

277 23.5 19.2 28.8

138 32.8 26.6 40.0

