

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088214.D
 Acq On : 24 Oct 2014 16:01
 Operator : TP/JJ
 Sample : SSTDICC010
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

Quant Time: Oct 27 12:42:47 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102414.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 27 12:38:23 2014
 Response via : Initial Calibration

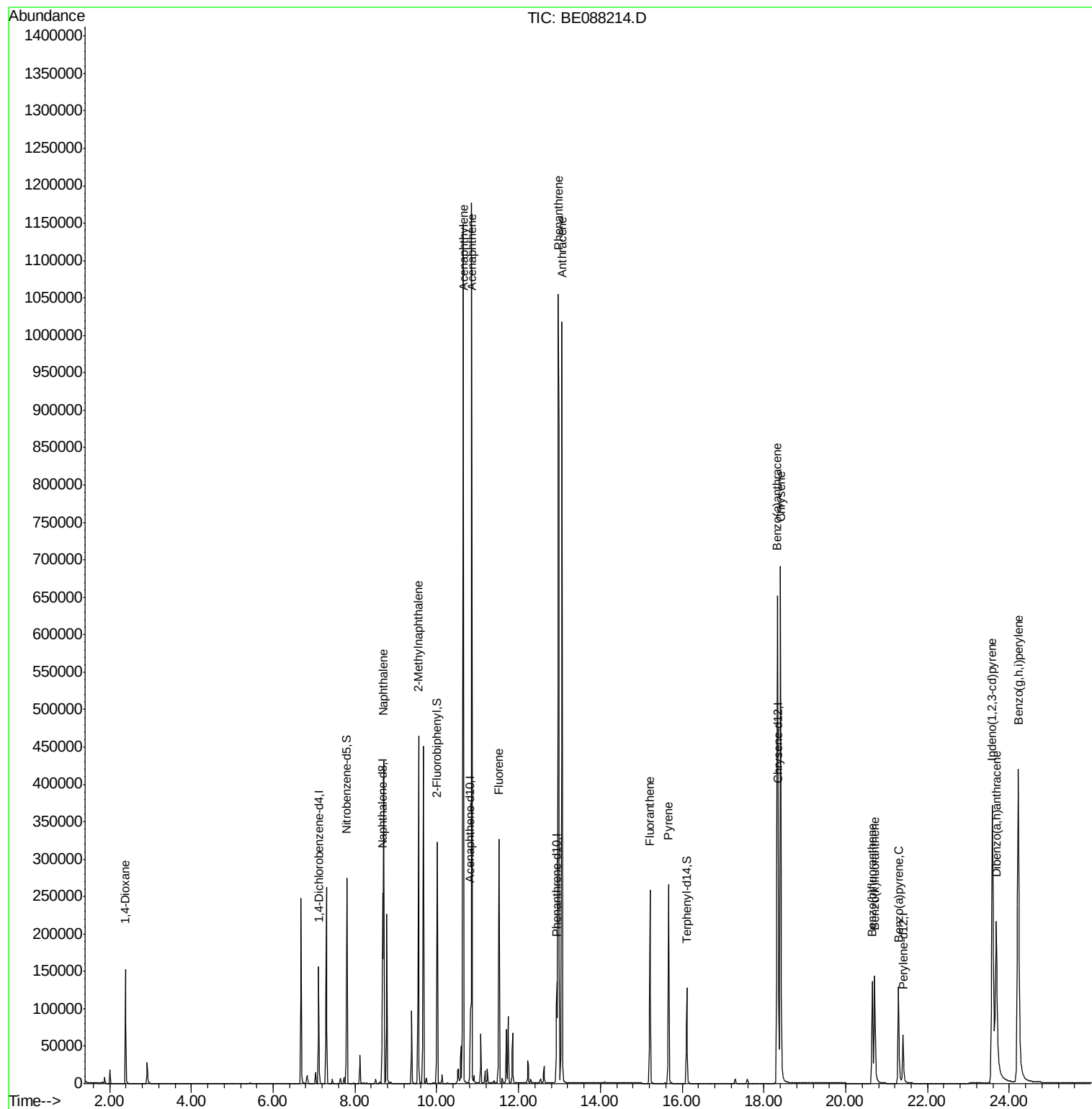
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.12	152	53952	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	201661	5.00	ng	0.00
7) Acenaphthene-d10	10.83	164	85854	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	157072	5.00	ng	0.00
16) Chrysene-d12	18.35	240	94162	5.00	ng	0.00
22) Perylene-d12	21.40	264	91006	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	151411	12.23	ng	0.00
8) 2-Fluorobiphenyl	10.02	172	231241	9.66	ng	0.00
18) Terphenyl-d14	16.11	244	164491	10.67	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.39	88	78155	10.32	ng	98
5) Naphthalene	8.70	128	386745	9.42	ng	99
6) 2-Methylnaphthalene	9.55	142	236067	9.55	ng	96
9) Acenaphthylene	10.65	152	1263624	9.85	ng	100
10) Acenaphthene	10.86	154	181544	8.94	ng	99
11) Fluorene	11.52	166	197518	9.54	ng	99
13) Phenanthrene	12.97	178	1368277	10.55	ng	97
14) Anthracene	13.06	178	1123048	10.04	ng	100
15) Fluoranthene	15.22	202	252327	10.98	ng	99
17) Pyrene	15.67	202	265430	10.27	ng	99
19) Benzo(a)anthracene	18.33	228	840157	11.33	ng	100
20) Chrysene	18.41	228	825665	9.81	ng	99
21) Indeno(1,2,3-cd)pyrene	23.59	276	704851	9.49	ng	# 73
23) Benzo(b)fluoranthene	20.65	252	196041	13.18	ng	98
24) Benzo(k)fluoranthene	20.71	252	231049	9.83	ng	99
25) Benzo(a)pyrene	21.29	252	194217	13.21	ng	98
26) Dibenzo(a,h)anthracene	23.68	278	188282	13.54	ng	97
27) Benzo(g,h,i)perylene	24.22	276	860154	11.78	ng	98

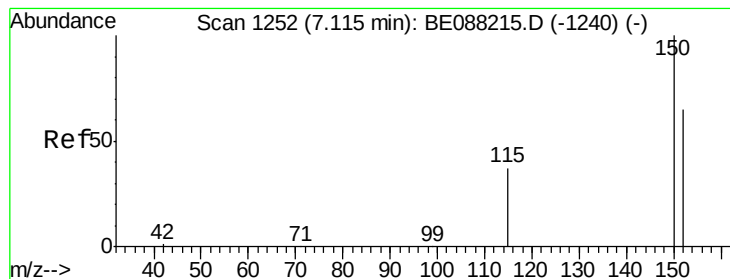
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.12 min Scan# 1253

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

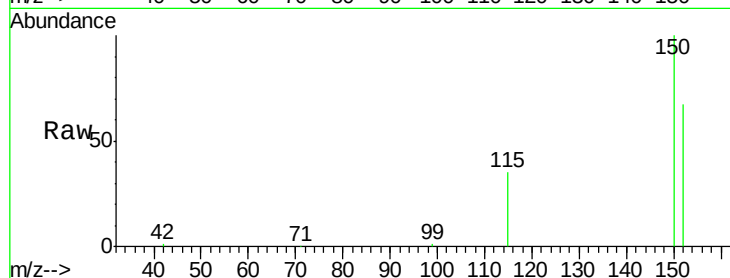
Tgt Ion:152 Resp: 53952

Ion Ratio Lower Upper

152 100

150 150.1 123.2 184.8

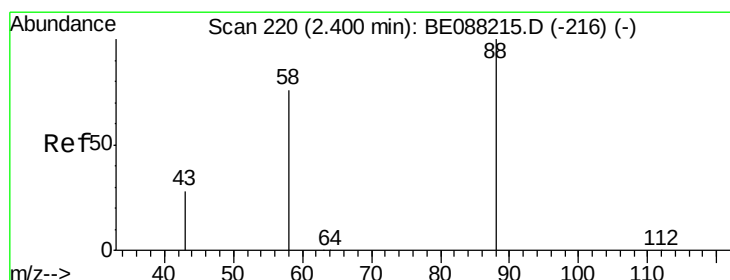
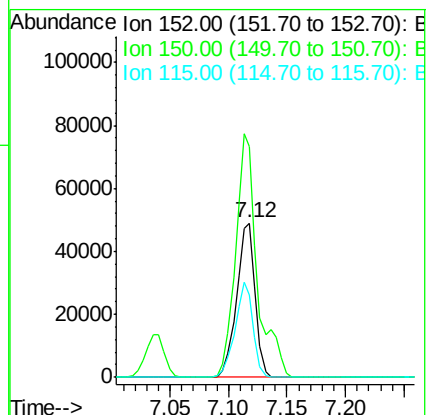
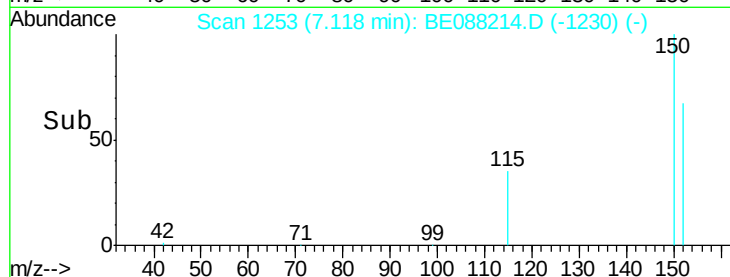
115 53.1 45.3 67.9



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: 10.32 ng

RT: 2.39 min Scan# 217

Delta R.T. -0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

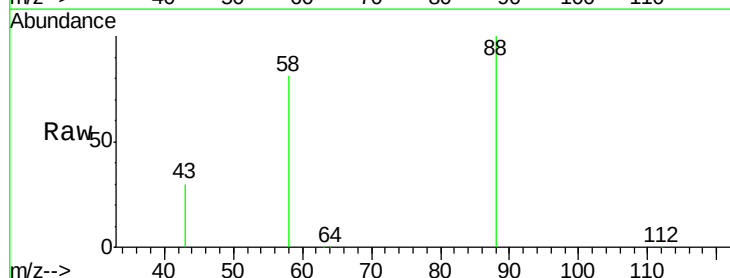
Tgt Ion: 88 Resp: 78155

Ion Ratio Lower Upper

88 100

58 75.2 59.0 88.4

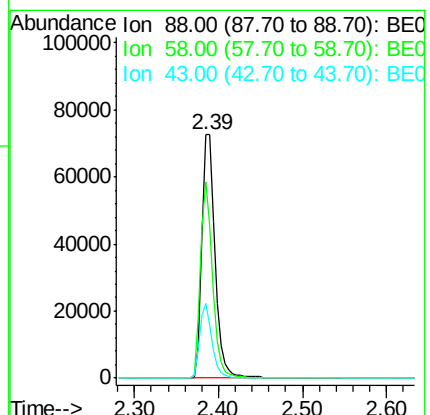
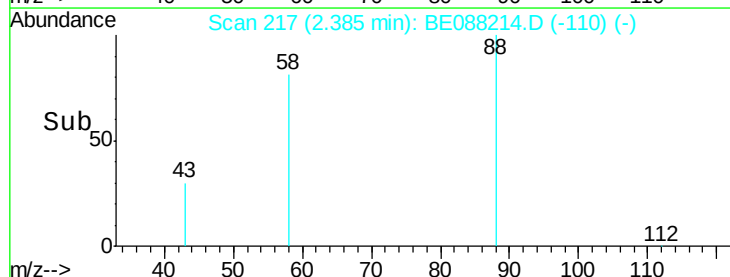
43 28.4 21.9 32.9

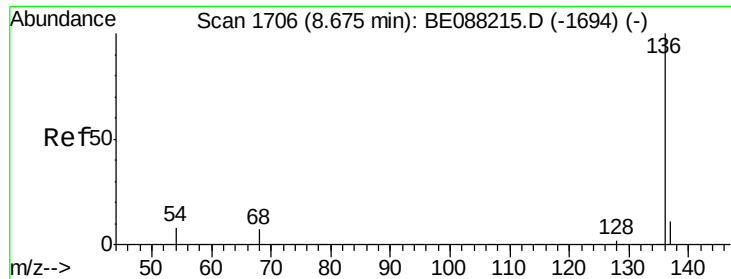


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

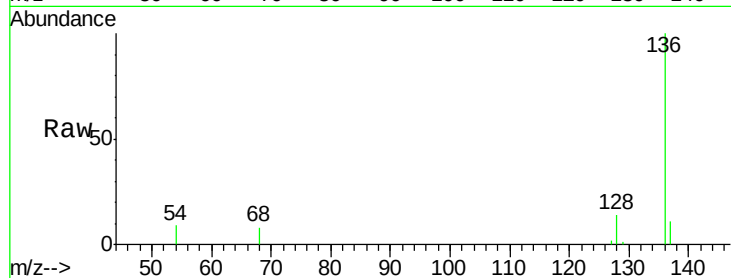




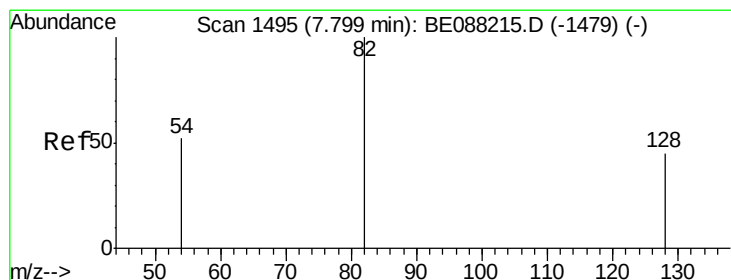
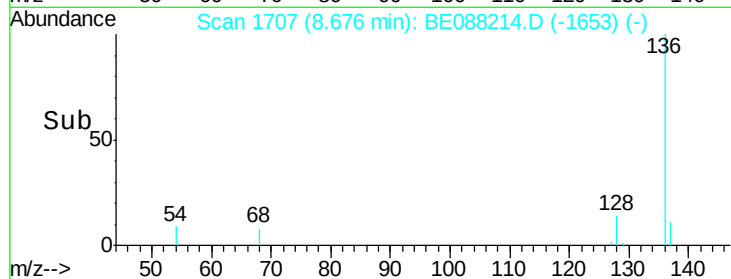
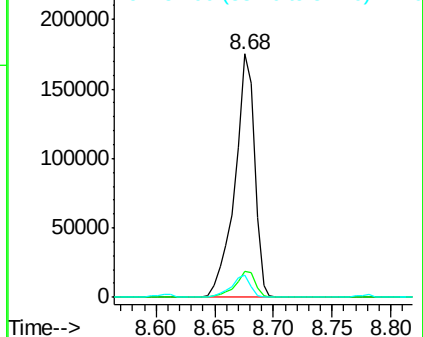
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.68 min Scan# 1707
Delta R.T. 0.00 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Instrument :
BNA_E
ClientSampleId :
SSTDIC010

Tgt Ion: 136 Resp: 201661
Ion Ratio Lower Upper
136 100
137 10.7 8.7 13.1
54 9.3 6.1 9.1#

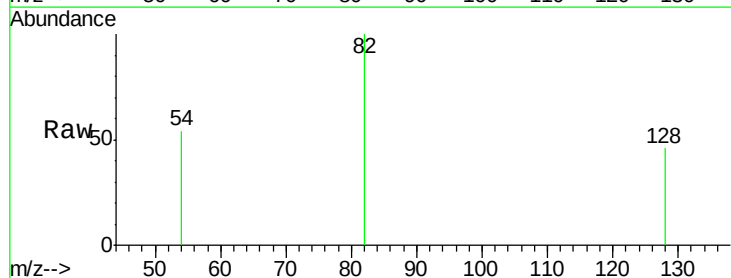


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

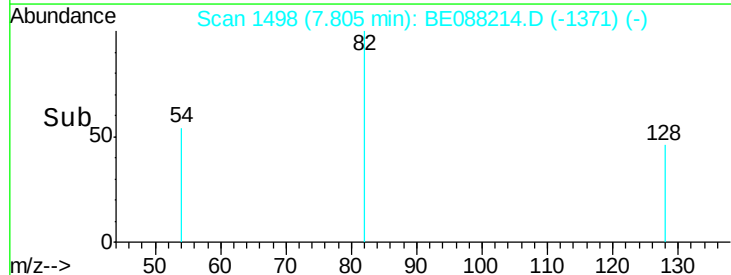
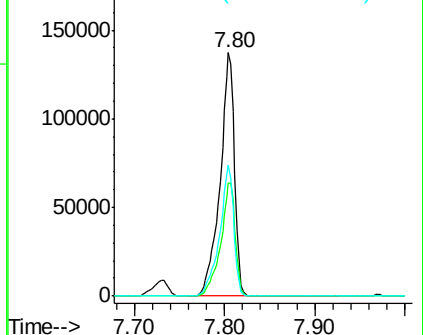


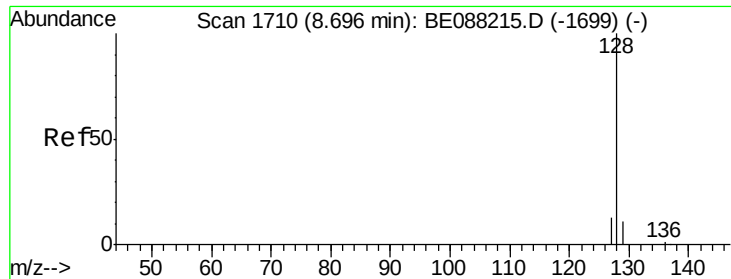
#4
Nitrobenzene-d5
Concen: 12.23 ng
RT: 7.80 min Scan# 1498
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion: 82 Resp: 151411
Ion Ratio Lower Upper
82 100
128 46.2 36.2 54.2
54 53.6 41.8 62.8



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: 9.42 ng

RT: 8.70 min Scan# 1712

Delta R.T. 0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

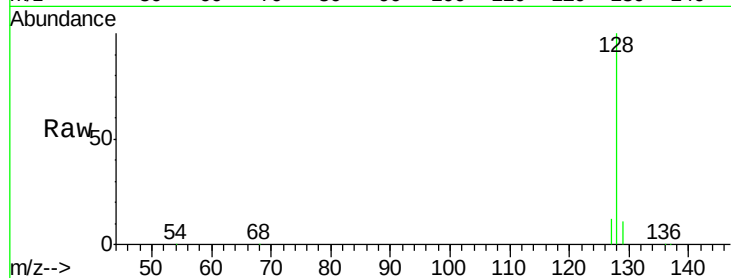
Tgt Ion:128 Resp: 386745

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

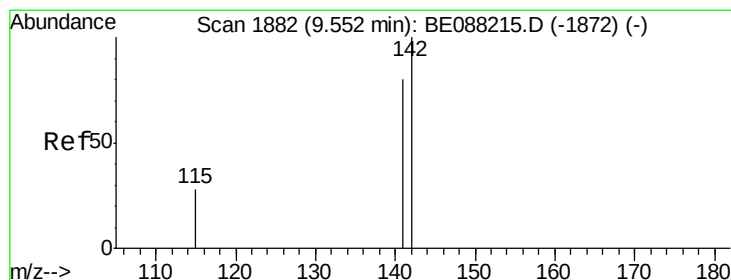
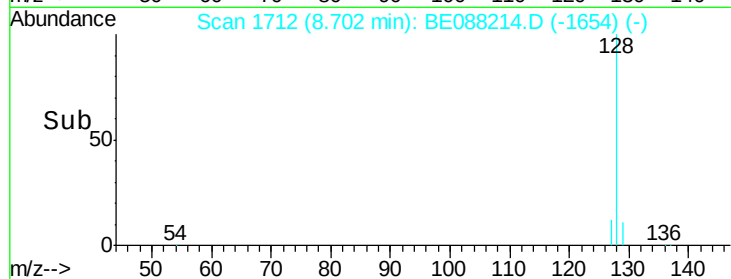
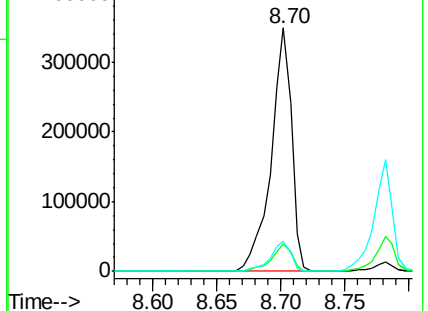
127 12.3 10.4 15.6



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: 9.55 ng

RT: 9.55 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

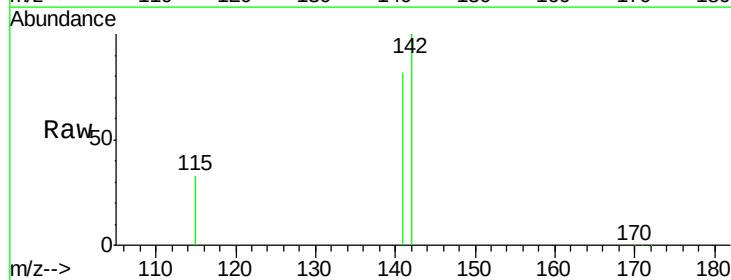
Tgt Ion:142 Resp: 236067

Ion Ratio Lower Upper

142 100

141 81.9 63.7 95.5

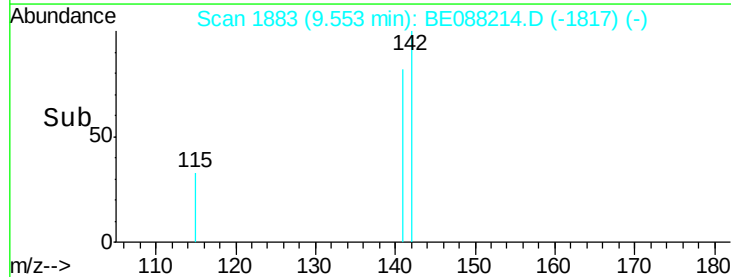
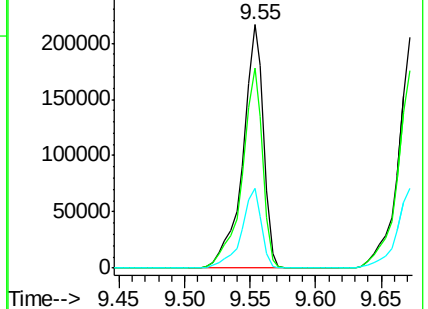
115 32.6 22.6 34.0

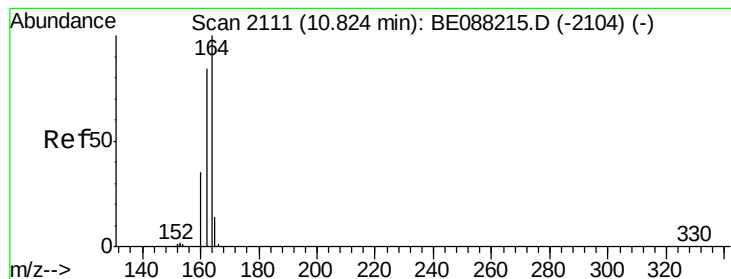


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.83 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

Instrument :

BNA_E

ClientSampleId :

SSTDICC010

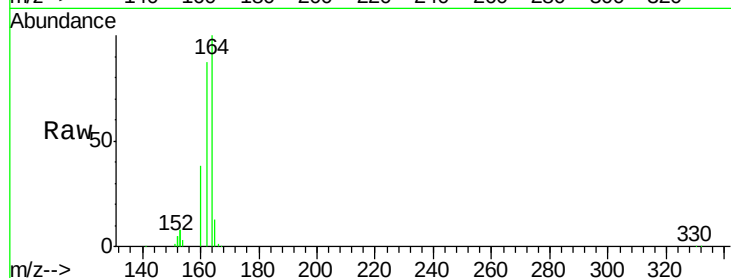
Tgt Ion:164 Resp: 85854

Ion Ratio Lower Upper

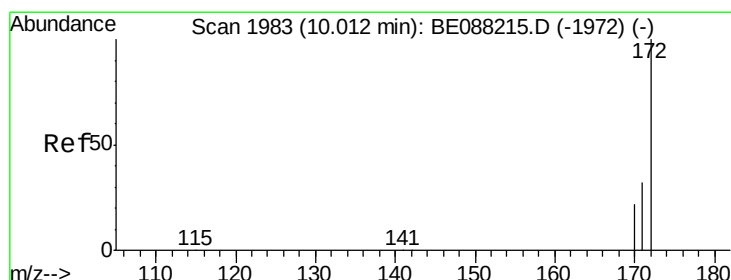
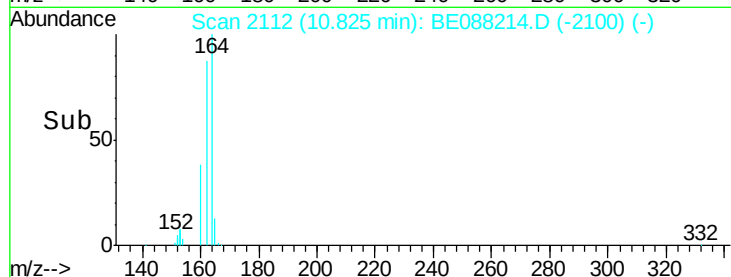
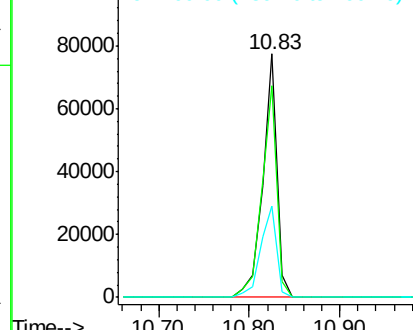
164 100

162 86.9 67.4 101.0

160 37.6 27.7 41.5



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: 9.66 ng

RT: 10.02 min Scan# 1985

Delta R.T. 0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

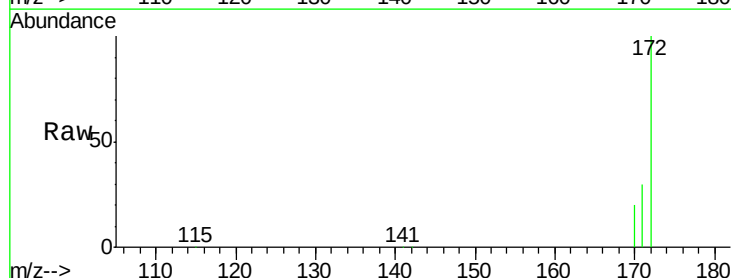
Tgt Ion:172 Resp: 231241

Ion Ratio Lower Upper

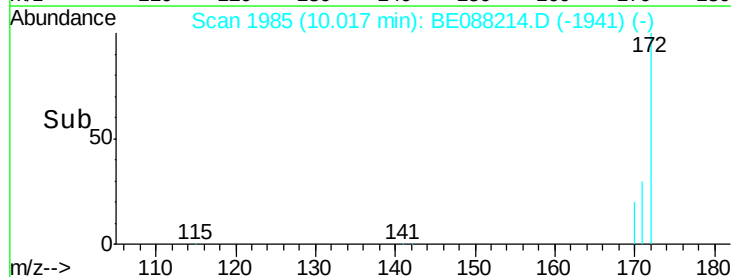
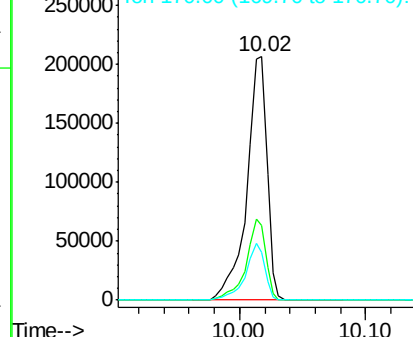
172 100

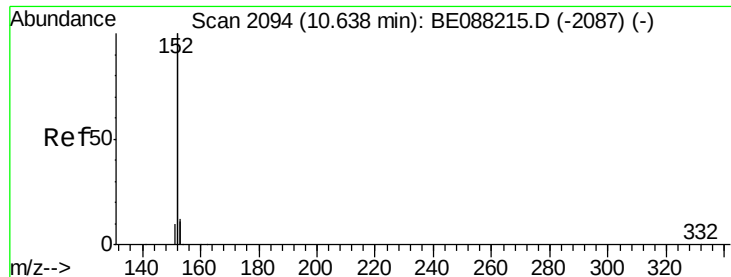
171 30.5 25.8 38.6

170 19.7 17.4 26.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 9.85 ng

RT: 10.65 min Scan# 2096

Delta R.T. 0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

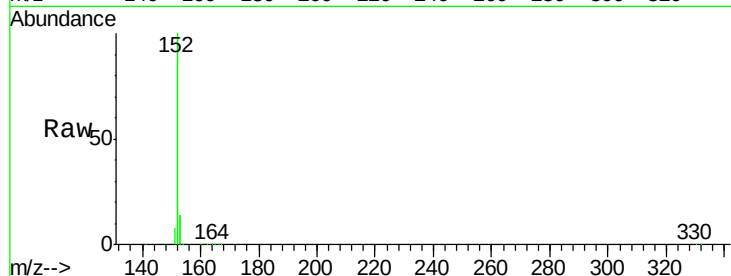
Tgt Ion:152 Resp: 1263624

Ion Ratio Lower Upper

152 100

151 4.7 3.7 5.5

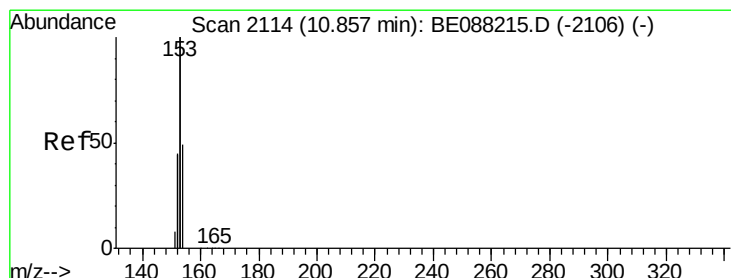
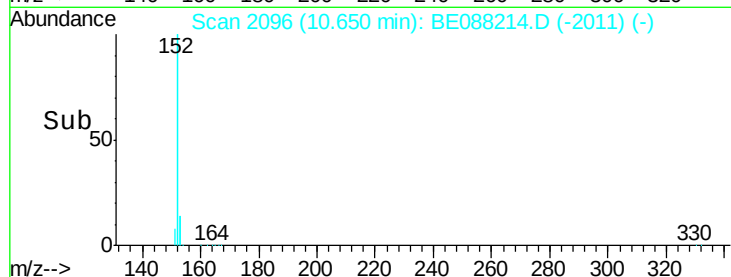
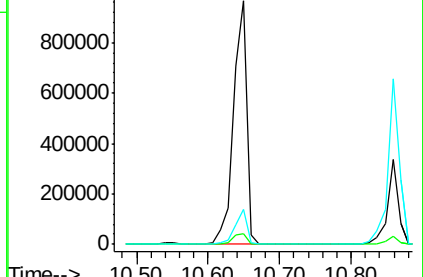
153 13.1 10.3 15.5



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: 8.94 ng

RT: 10.86 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

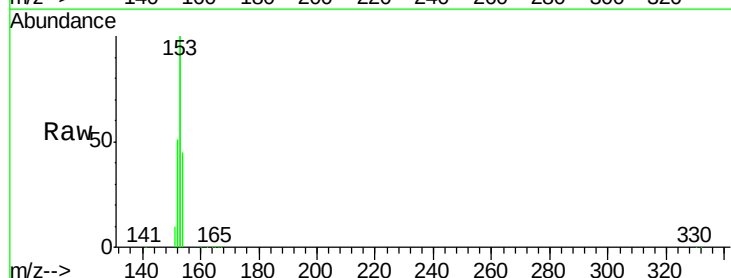
Tgt Ion:154 Resp: 181544

Ion Ratio Lower Upper

154 100

153 409.3 326.0 489.0

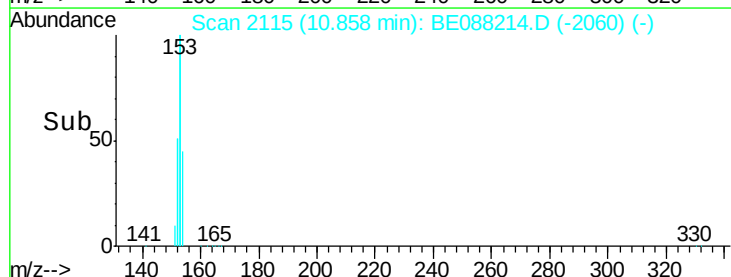
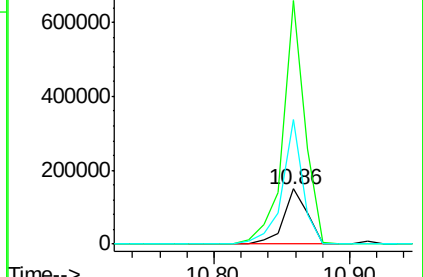
152 195.7 155.6 233.4

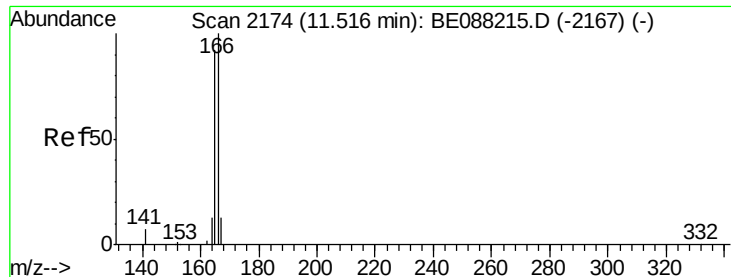


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#11

Fluorene

Concen: 9.54 ng

RT: 11.52 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

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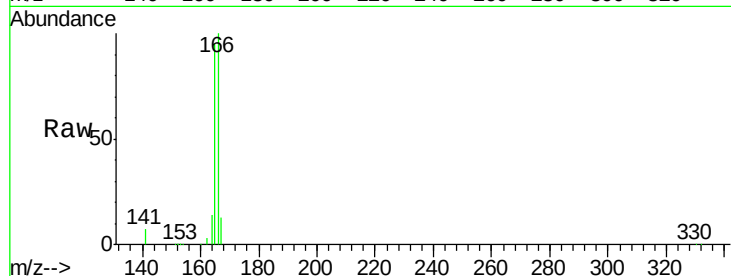
Tgt Ion:166 Resp: 197518

Ion Ratio Lower Upper

166 100

165 89.0 71.8 107.6

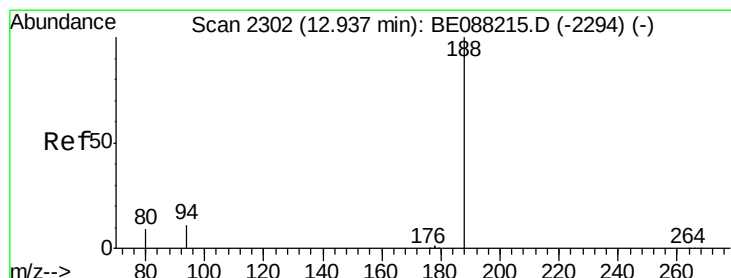
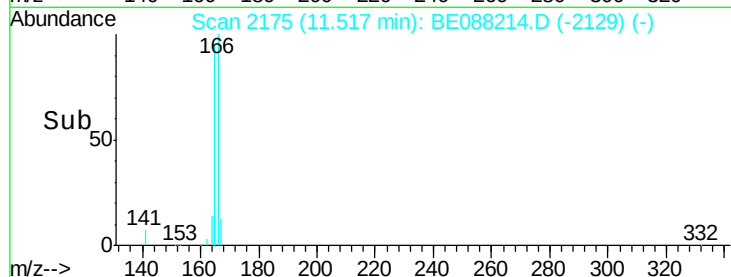
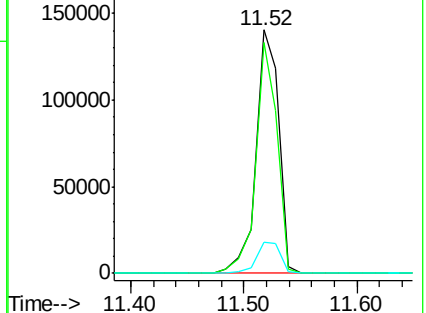
167 13.7 10.7 16.1



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: 12.94 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

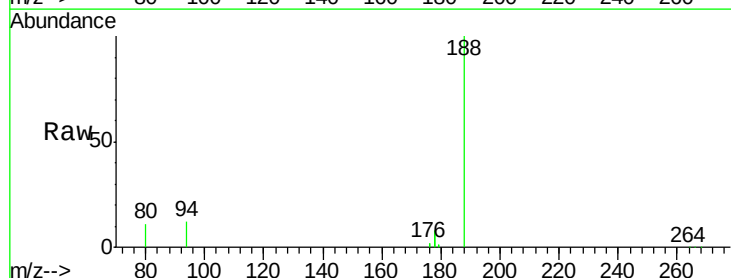
Tgt Ion:188 Resp: 157072

Ion Ratio Lower Upper

188 100

94 12.0 8.5 12.7

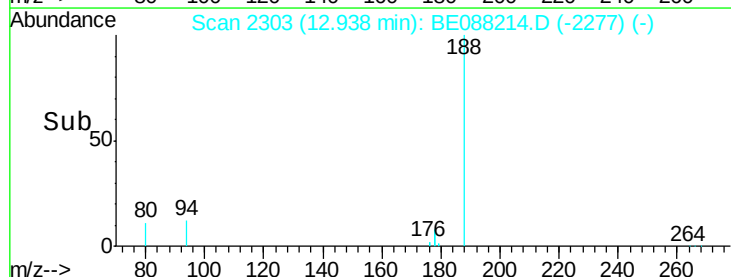
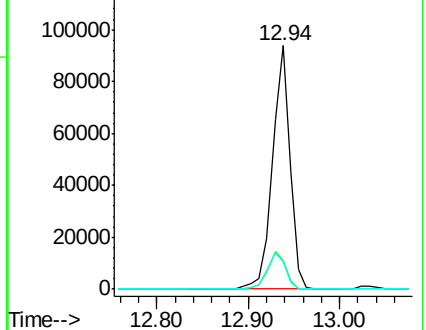
80 11.0 7.4 11.0

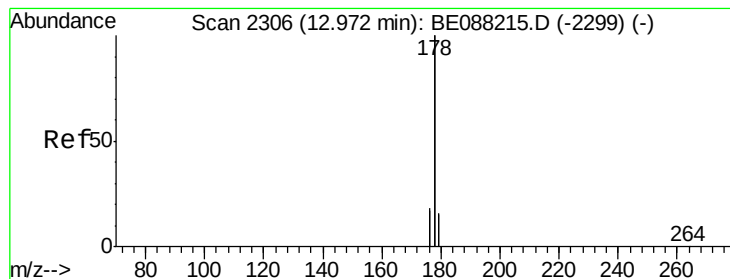


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#13

Phenanthrene

Concen: 10.55 ng

RT: 12.97 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

Instrument :

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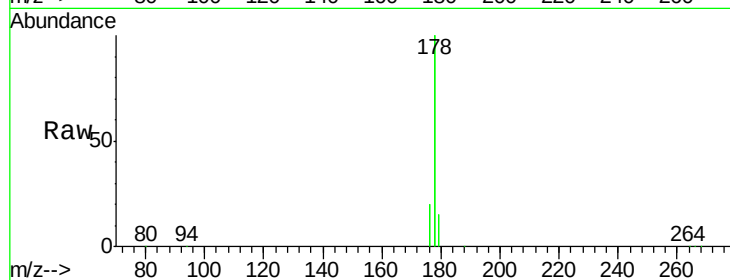
Tgt Ion:178 Resp: 1368277

Ion Ratio Lower Upper

178 100

176 18.9 14.0 21.0

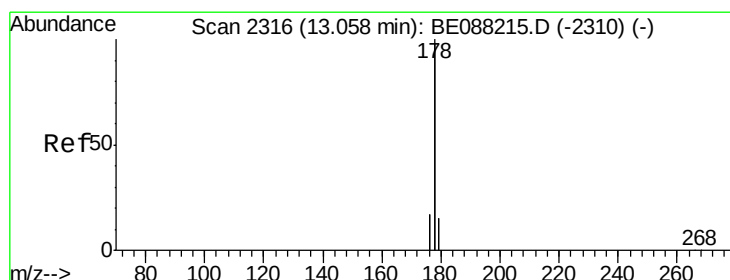
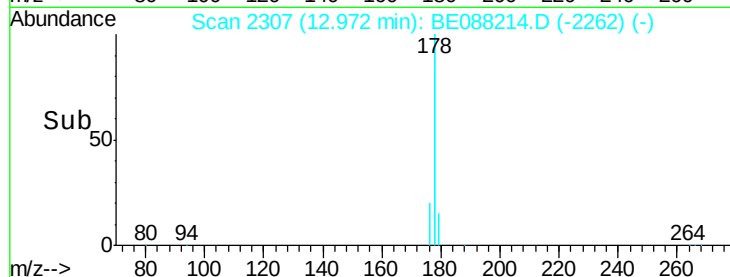
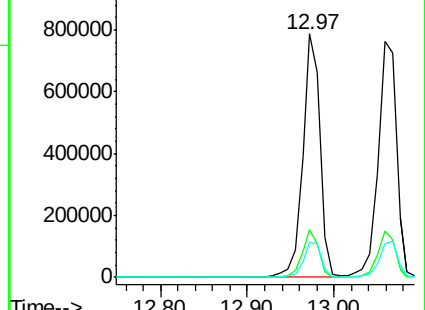
179 15.4 11.8 17.6



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: 10.04 ng

RT: 13.06 min Scan# 2317

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

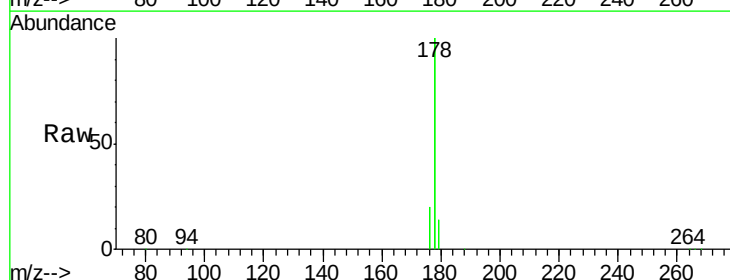
Tgt Ion:178 Resp: 1123048

Ion Ratio Lower Upper

178 100

176 18.3 14.7 22.1

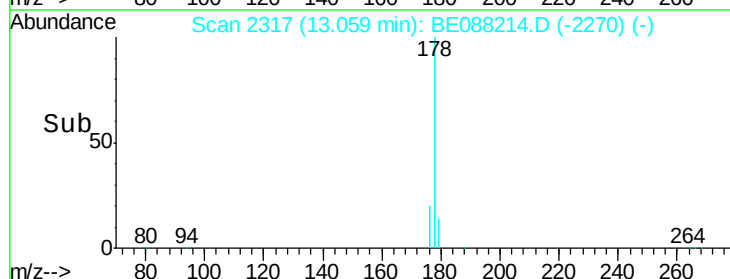
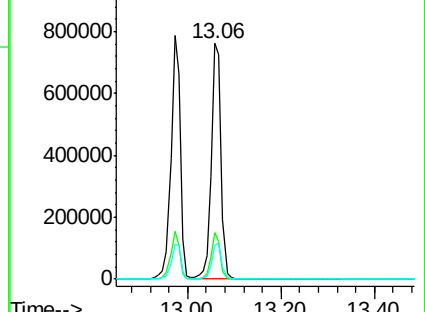
179 15.2 12.3 18.5

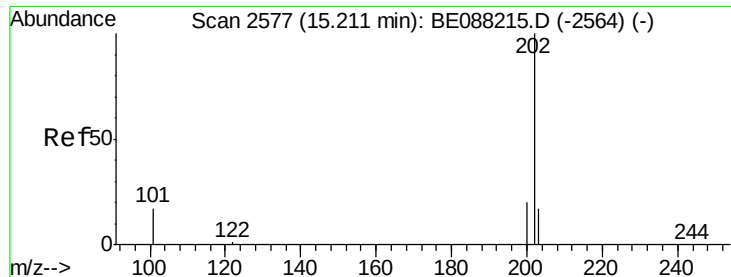


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

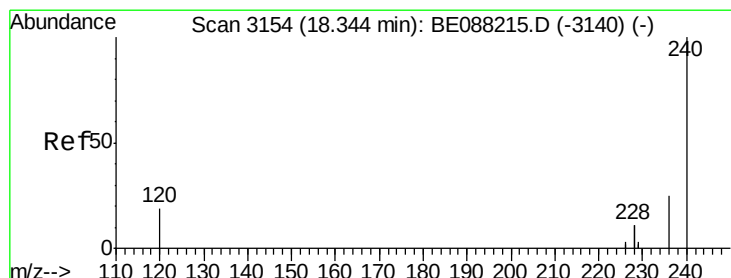
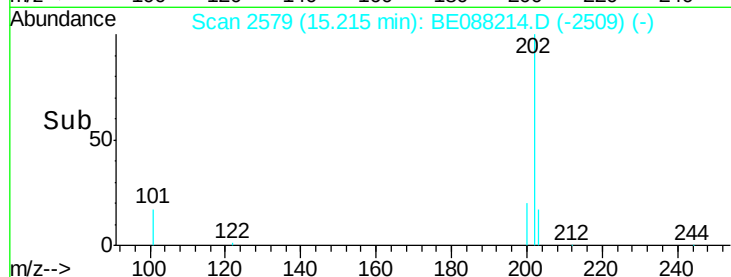
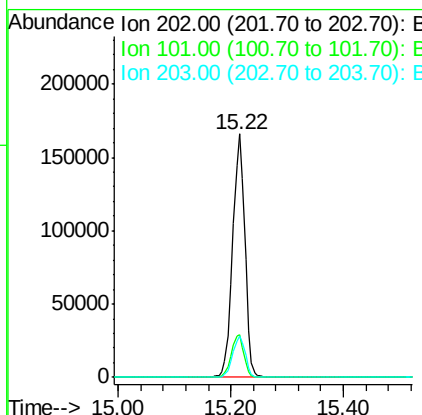
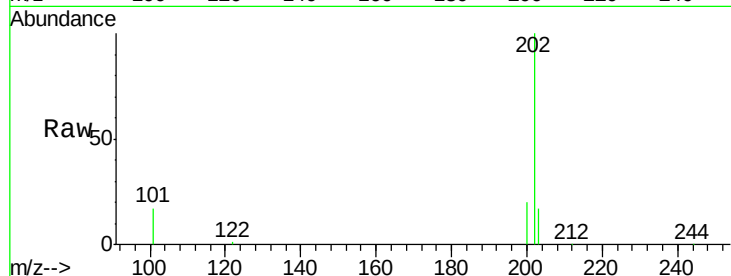




#15
 Fluoranthene
 Concen: 10.98 ng
 RT: 15.22 min Scan# 2579
 Delta R.T. 0.00 min
 Lab File: BE088214.D
 Acq: 24 Oct 2014 16:01

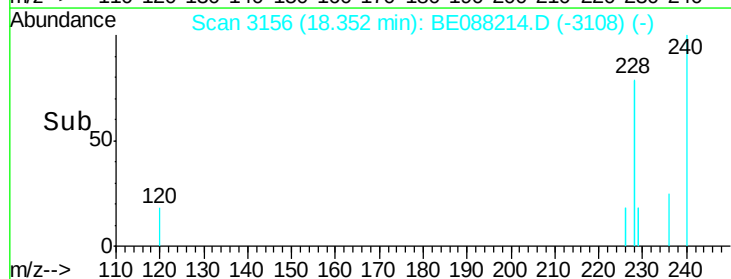
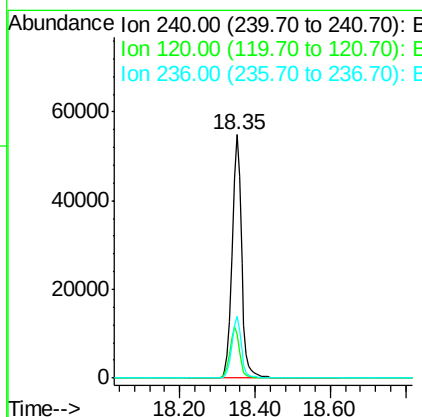
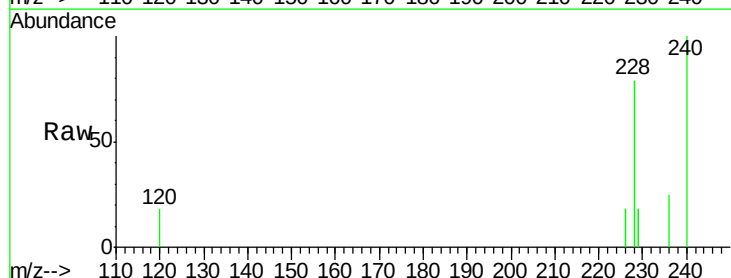
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

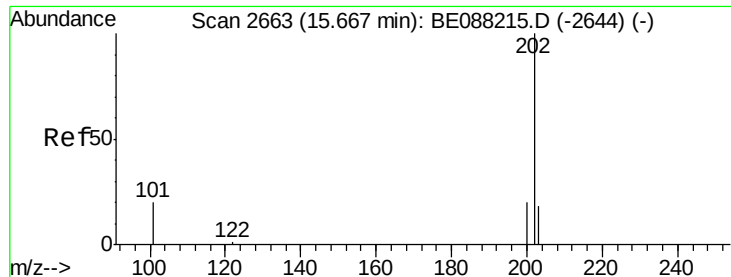
Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.9	14.4	21.6
203	17.3	13.4	20.2



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.35 min Scan# 3156
 Delta R.T. 0.01 min
 Lab File: BE088214.D
 Acq: 24 Oct 2014 16:01

Tgt Ion	Ratio	Lower	Upper
240	100		
120	18.3	15.1	22.7
236	25.2	20.1	30.1

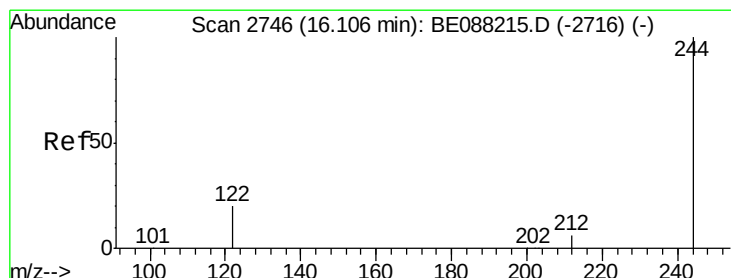
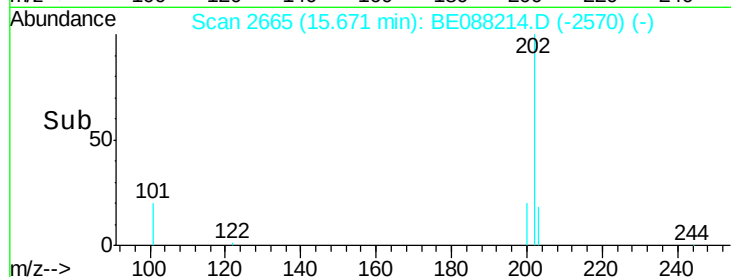
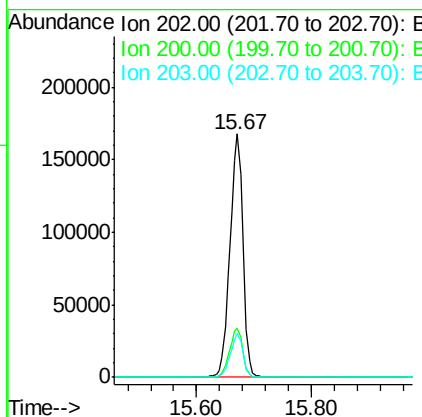
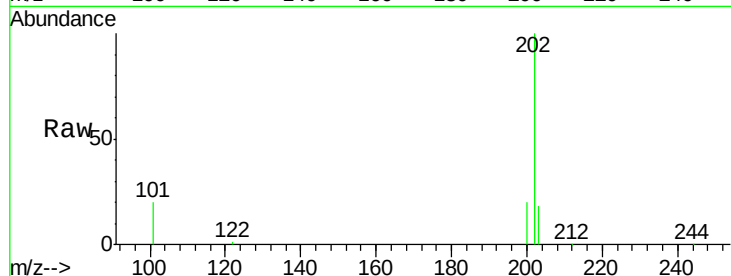




#17
 Pyrene
 Concen: 10.27 ng
 RT: 15.67 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: BE088214.D
 Acq: 24 Oct 2014 16:01

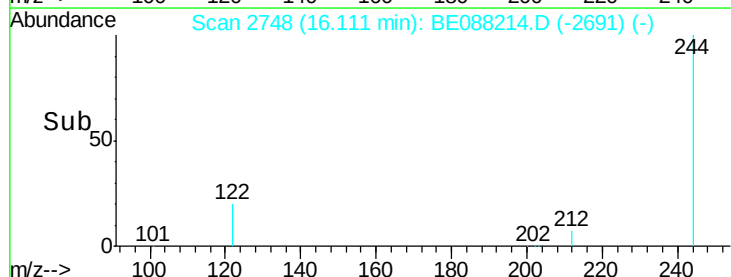
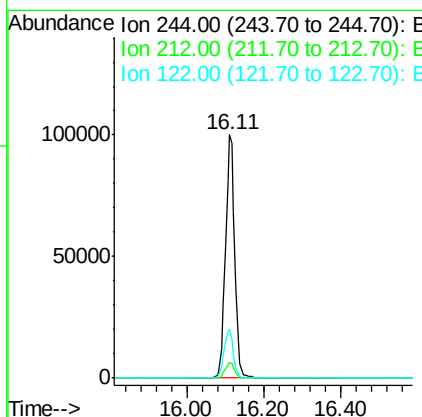
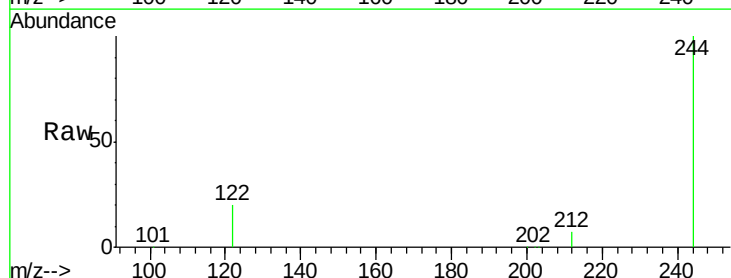
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC010

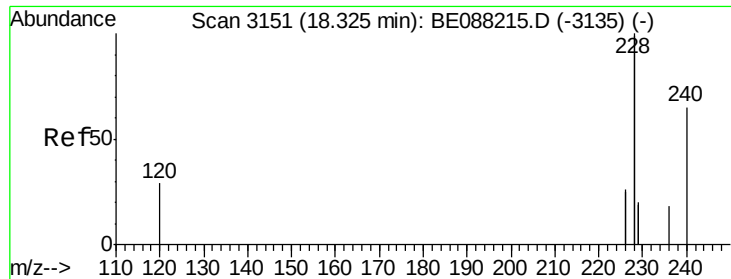
Tgt Ion: 202 Resp: 265430
 Ion Ratio Lower Upper
 202 100
 200 20.4 16.2 24.2
 203 17.6 13.8 20.8



#18
 Terphenyl-d14
 Concen: 10.67 ng
 RT: 16.11 min Scan# 2748
 Delta R.T. 0.00 min
 Lab File: BE088214.D
 Acq: 24 Oct 2014 16:01

Tgt Ion: 244 Resp: 164491
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 20.3 16.7 25.1





#19

Benzo(a)anthracene

Concen: 11.33 ng

RT: 18.33 min Scan# 3153

Delta R.T. 0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

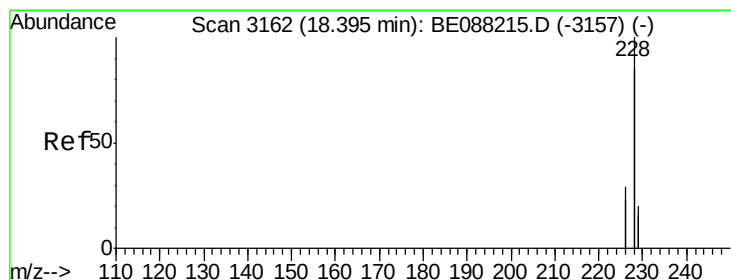
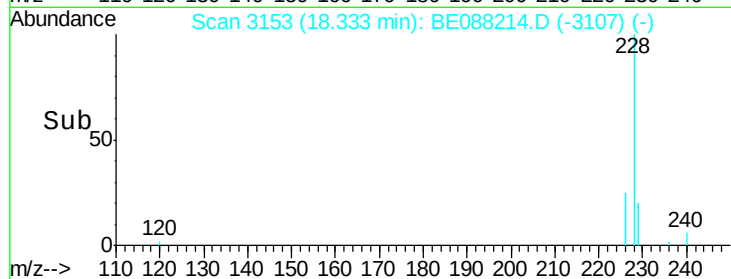
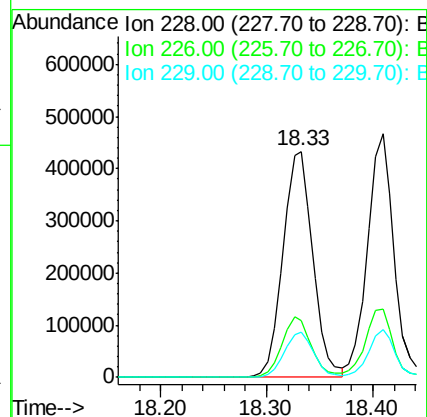
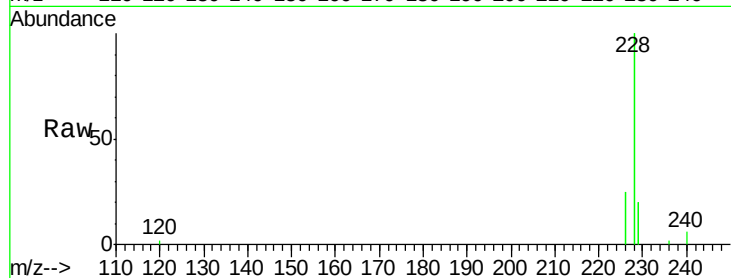
Tgt Ion:228 Resp: 840157

Ion Ratio Lower Upper

228 100

226 25.3 20.5 30.7

229 20.1 16.1 24.1



#20

Chrysene

Concen: 9.81 ng

RT: 18.41 min Scan# 3165

Delta R.T. 0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

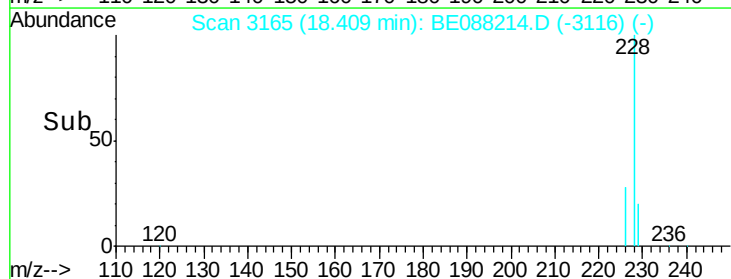
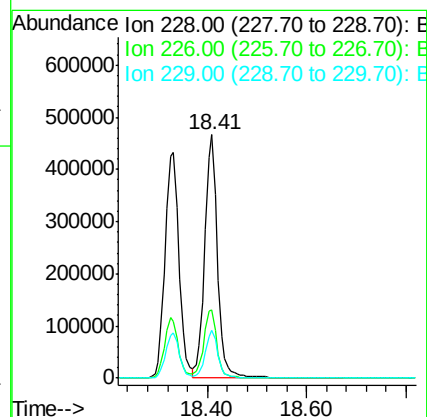
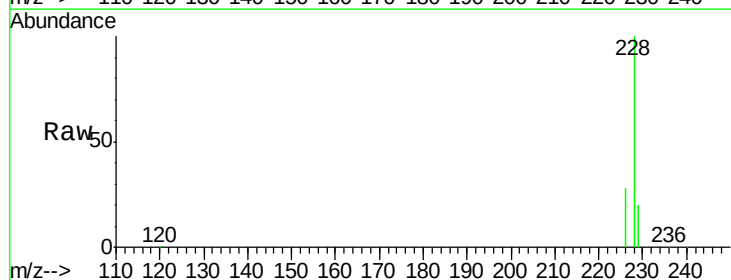
Tgt Ion:228 Resp: 825665

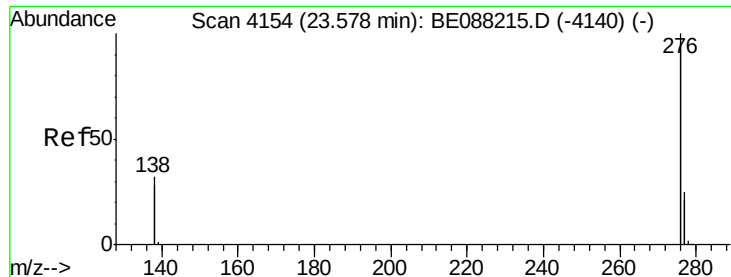
Ion Ratio Lower Upper

228 100

226 28.2 23.3 34.9

229 19.7 15.6 23.4





#21

Indeno(1,2,3-cd)pyrene

Concen: 9.49 ng

RT: 23.59 min Scan# 4157

Delta R.T. 0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

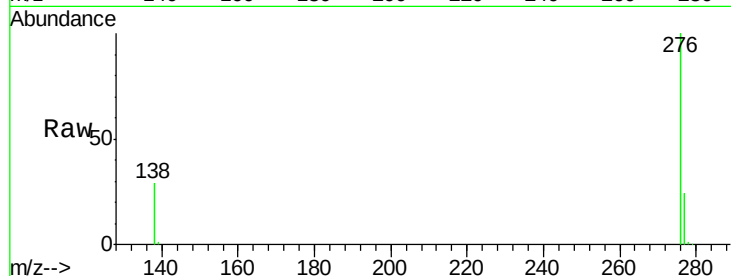
Tgt Ion: 276 Resp: 704851

Ion Ratio Lower Upper

276 100

138 29.7 13.9 20.9#

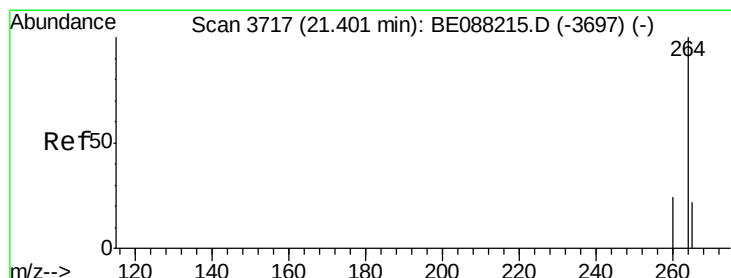
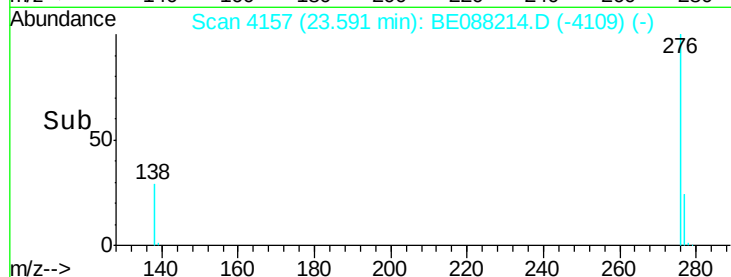
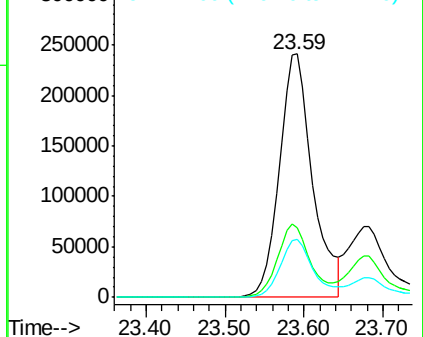
277 23.8 10.7 16.1#



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: 21.40 min Scan# 3718

Delta R.T. 0.00 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

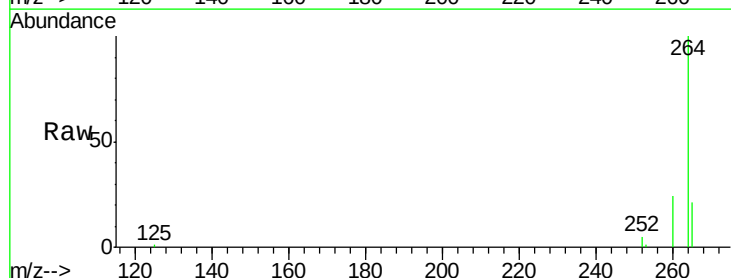
Tgt Ion: 264 Resp: 91006

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

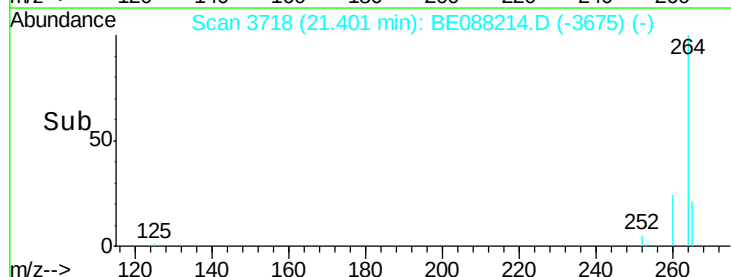
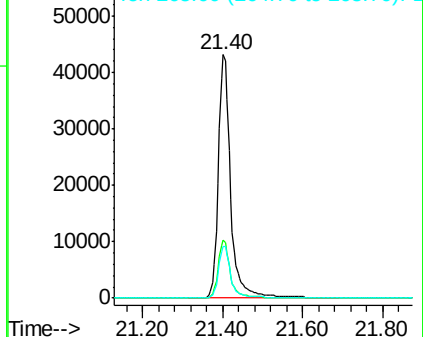
265 21.4 17.4 26.2

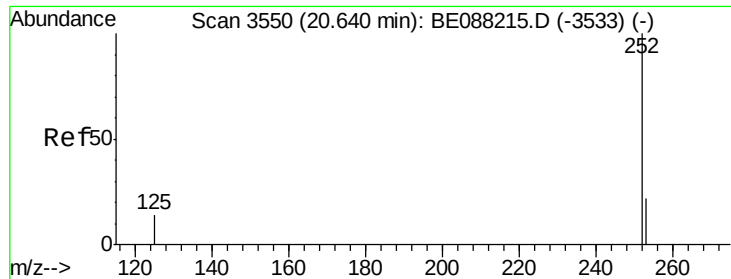


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 13.18 ng

RT: 20.65 min Scan# 3553

Delta R.T. 0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC010

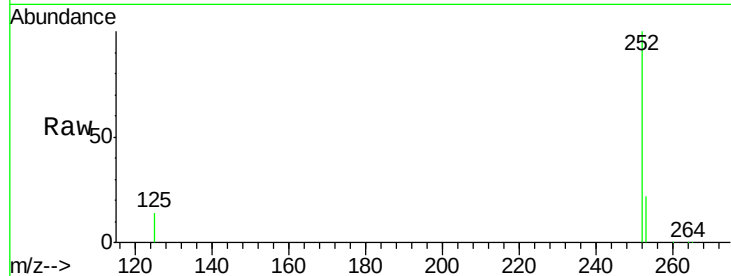
Tgt Ion:252 Resp: 196041

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

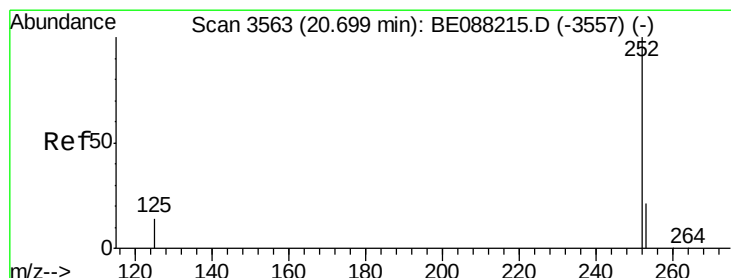
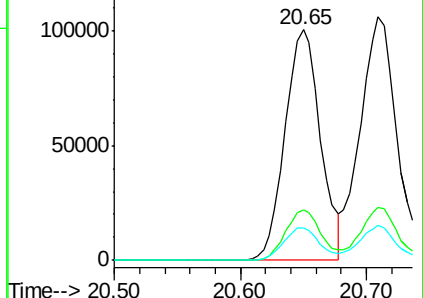
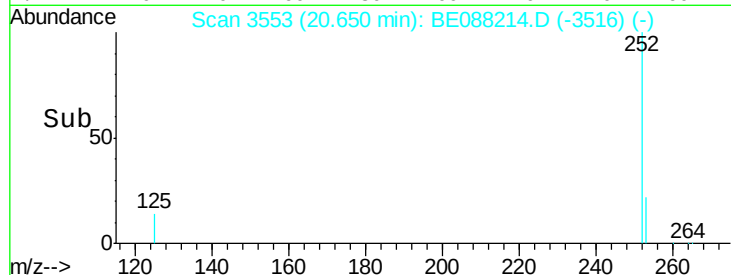
125 14.2 12.2 18.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#24

Benzo(k)fluoranthene

Concen: 9.83 ng

RT: 20.71 min Scan# 3566

Delta R.T. 0.01 min

Lab File: BE088214.D

Acq: 24 Oct 2014 16:01

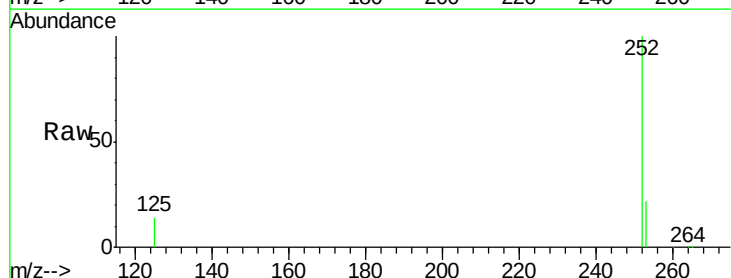
Tgt Ion:252 Resp: 231049

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

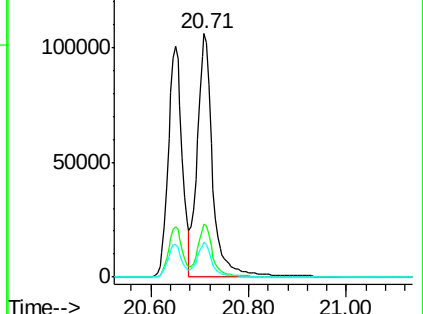
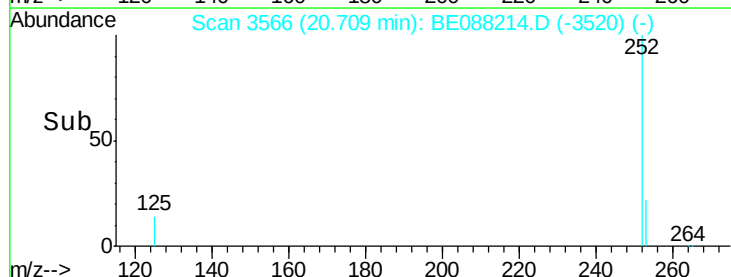
125 14.1 12.1 18.1

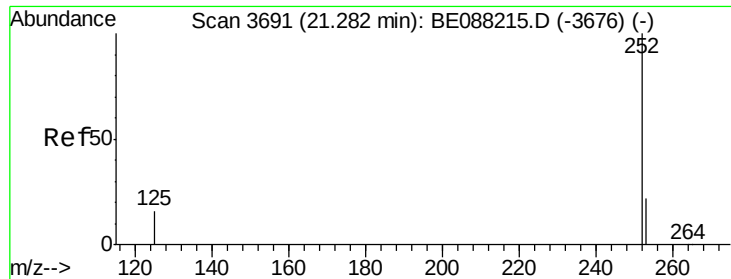


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

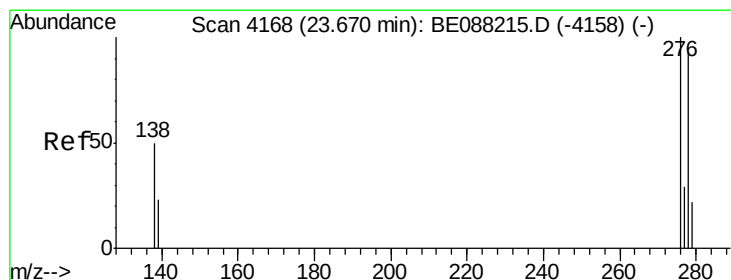
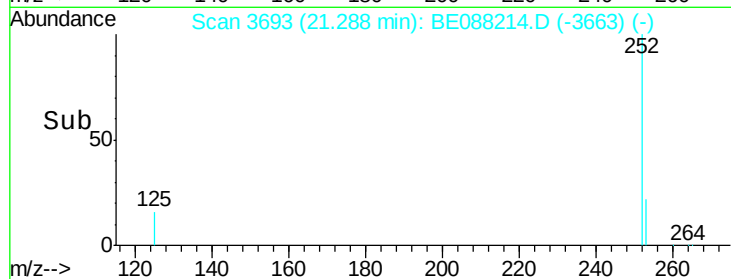
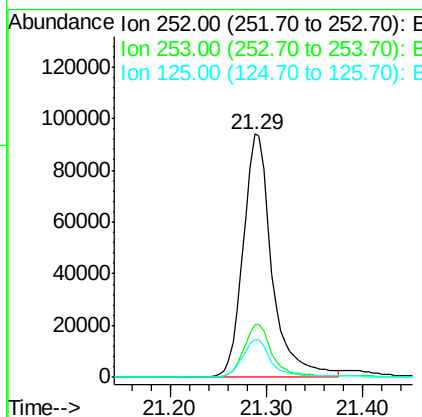
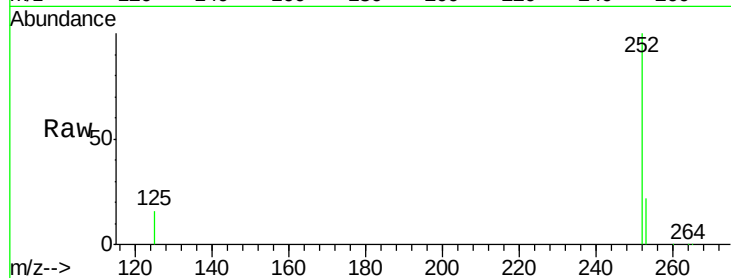




#25
Benzo(a)pyrene
Concen: 13.21 ng
RT: 21.29 min Scan# 3693
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

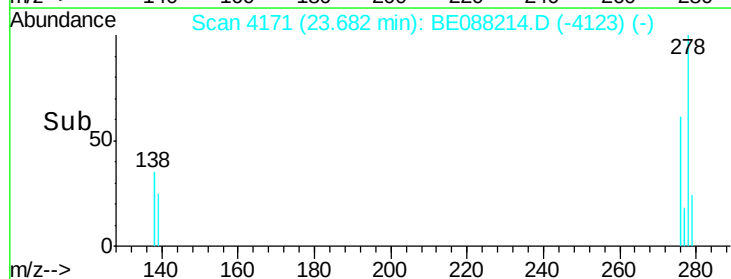
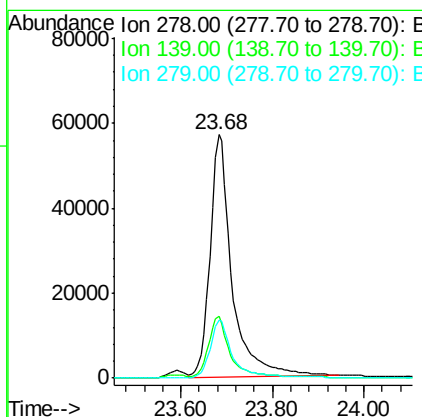
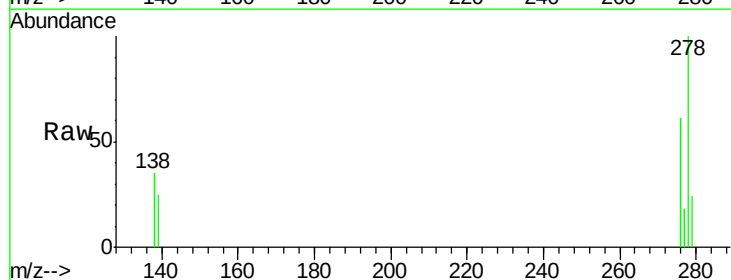
Instrument :
BNA_E
ClientSampleId :
SSTDICC010

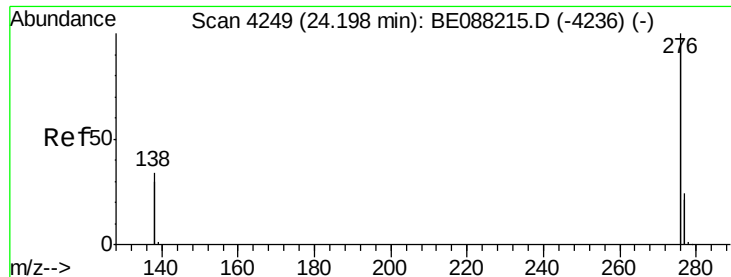
Tgt Ion: 252 Resp: 194217
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.8
125 15.7 13.5 20.3



#26
Dibenzo(a,h)anthracene
Concen: 13.54 ng
RT: 23.68 min Scan# 4171
Delta R.T. 0.01 min
Lab File: BE088214.D
Acq: 24 Oct 2014 16:01

Tgt Ion: 278 Resp: 188282
Ion Ratio Lower Upper
278 100
139 25.4 22.1 33.1
279 23.9 20.2 30.2





#27

Benzo(g,h,i)perylene

Concen: 11.78 ng

RT: 24.22 min Scan# 4253

Delta R.T. 0.02 min

Lab File: BE088214.D

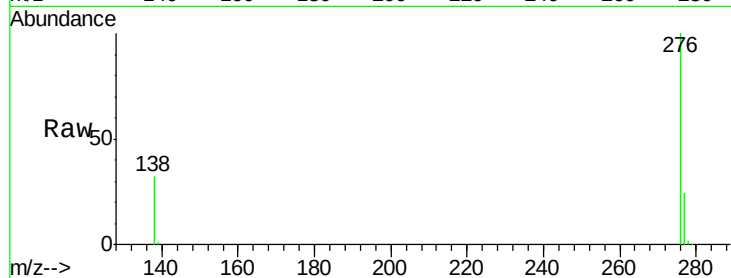
Acq: 24 Oct 2014 16:01

Instrument :

BNA_E

ClientSampleId :

SSTDIC010



Tgt Ion: 276 Resp: 860154

Ion Ratio Lower Upper

276 100

277 23.6 19.4 29.2

138 32.4 27.3 40.9

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

