

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088210.D
 Acq On : 24 Oct 2014 13:46
 Operator : TP/JJ
 Sample : SSTDICC0.5
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

Quant Time: Oct 27 12:42:03 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	7.11	152	58770	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	224962	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	102142	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	178486	5.00	ng	0.00
16) Chrysene-d12	18.34	240	101054	5.00	ng	0.00
22) Perylene-d12	21.40	264	91713	5.00	ng	0.00

System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	6513	0.47	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	14994	0.53	ng	0.00
18) Terphenyl-d14	16.11	244	8644	0.52	ng	0.00

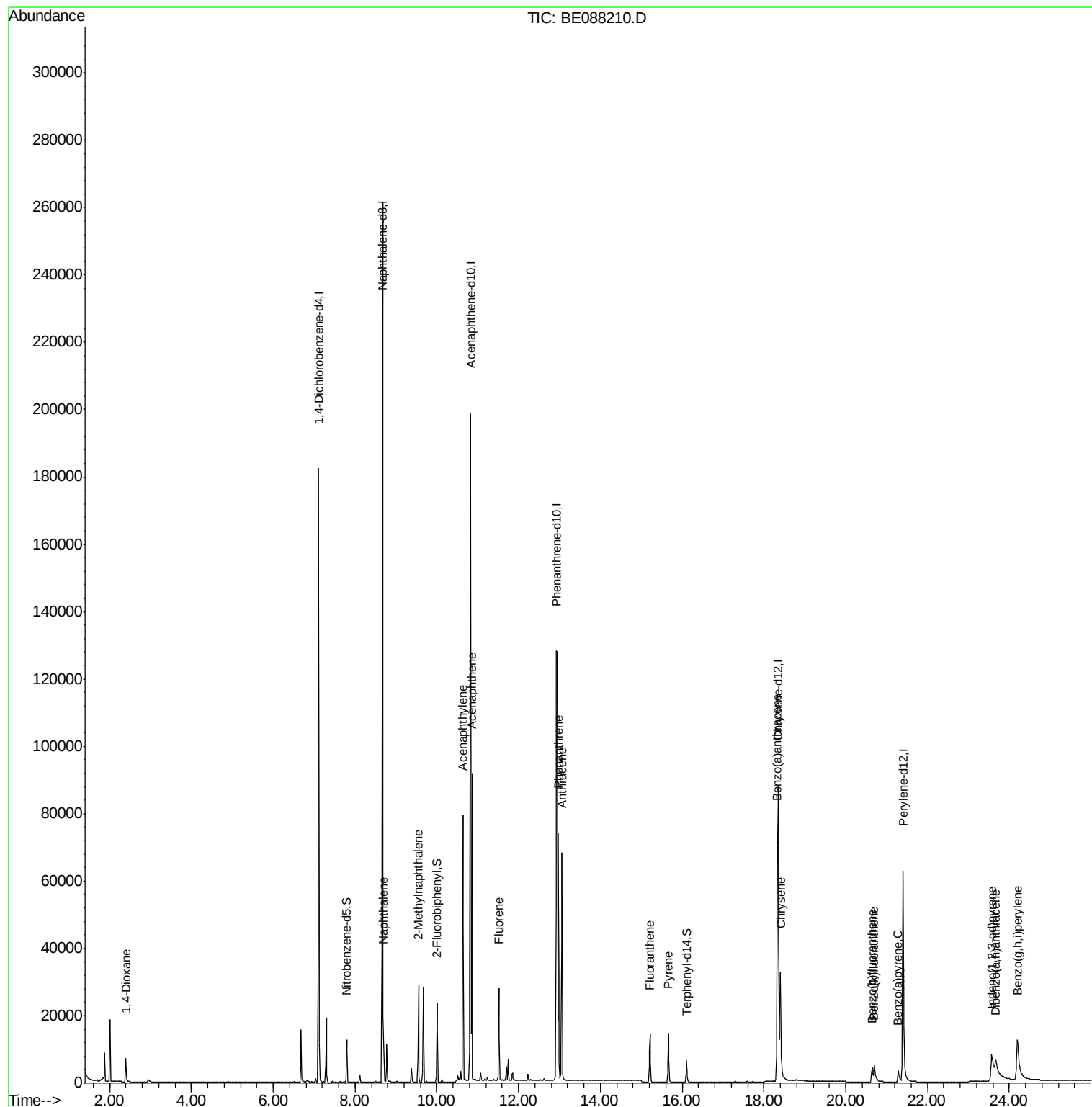
Target Compounds				Qvalue		
2) 1,4-Dioxane	2.39	88	4177	0.51	ng	100
5) Naphthalene	8.70	128	23938	0.52	ng	99
6) 2-Methylnaphthalene	9.55	142	14462	0.52	ng	100
9) Acenaphthylene	10.64	152	80056	0.52	ng	100
10) Acenaphthene	10.86	154	12689	0.53	ng	99
11) Fluorene	11.52	166	12958	0.53	ng	100
13) Phenanthrene	12.97	178	89924	0.61	ng	94
14) Anthracene	13.06	178	66573	0.52	ng	99
15) Fluoranthene	15.21	202	13711	0.53	ng	99
17) Pyrene	15.67	202	14678	0.53	ng	100
19) Benzo(a)anthracene	18.32	228	39876	0.50	ng	99
20) Chrysene	18.40	228	46692	0.52	ng	98
21) Indeno(1,2,3-cd)pyrene	23.57	276	19641	0.25	ng	# 72
23) Benzo(b)fluoranthene	20.64	252	7211	0.48	ng	99
24) Benzo(k)fluoranthene	20.70	252	12419	0.52	ng	99
25) Benzo(a)pyrene	21.28	252	7073	0.48	ng	98
26) Dibenzo(a,h)anthracene	23.68	278	6626	0.47	ng	96
27) Benzo(g,h,i)perylene	24.20	276	36956	0.50	ng	98

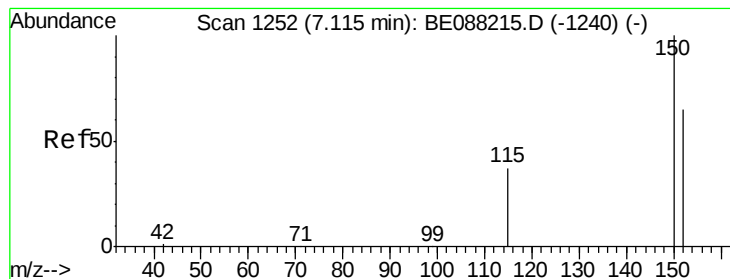
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
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BNA_E
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Quant Time: Oct 27 12:42:03 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
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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.11 min Scan# 1252

Delta R.T. -0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

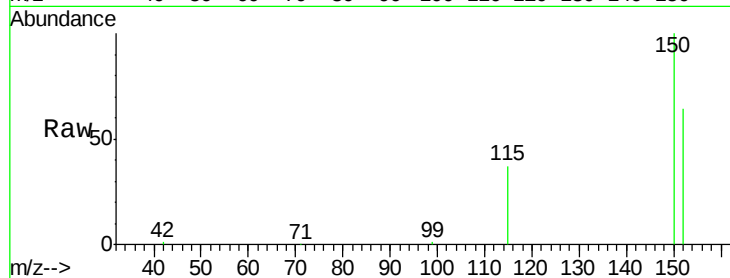
Tgt Ion:152 Resp: 58770

Ion Ratio Lower Upper

152 100

150 155.7 123.2 184.8

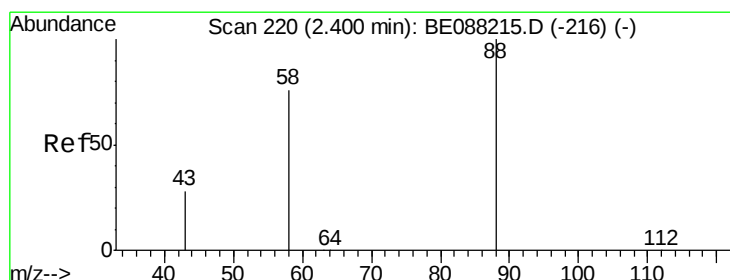
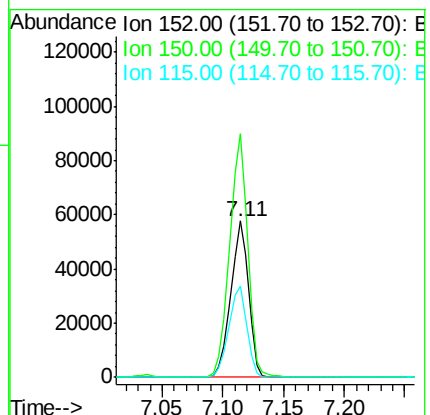
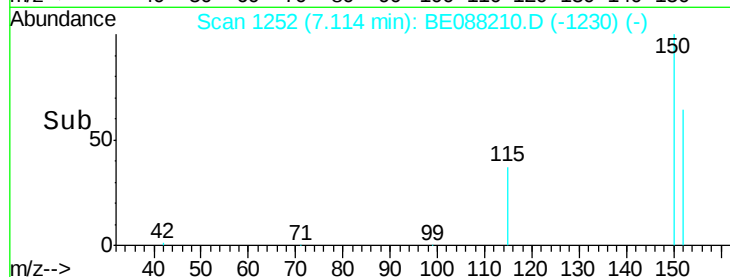
115 58.2 45.3 67.9



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: 0.51 ng

RT: 2.39 min Scan# 219

Delta R.T. -0.01 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

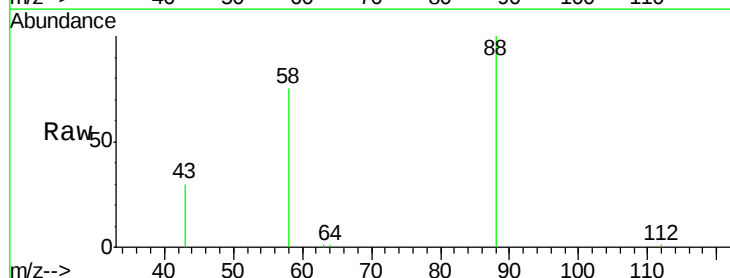
Tgt Ion: 88 Resp: 4177

Ion Ratio Lower Upper

88 100

58 74.1 59.0 88.4

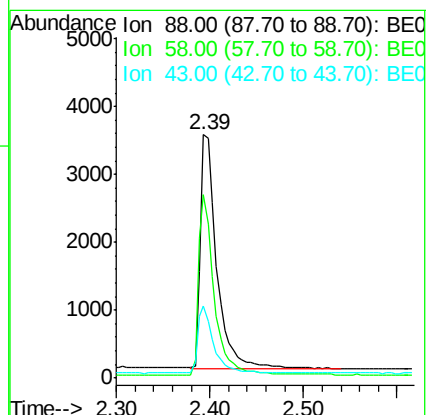
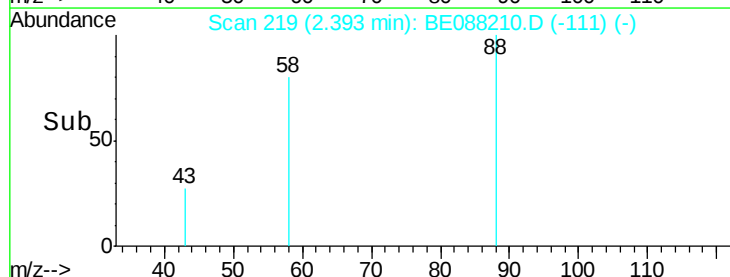
43 27.3 21.9 32.9

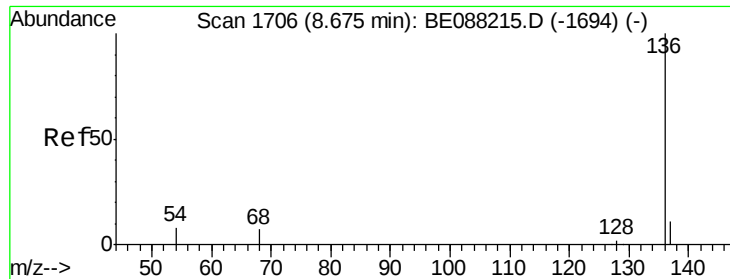


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

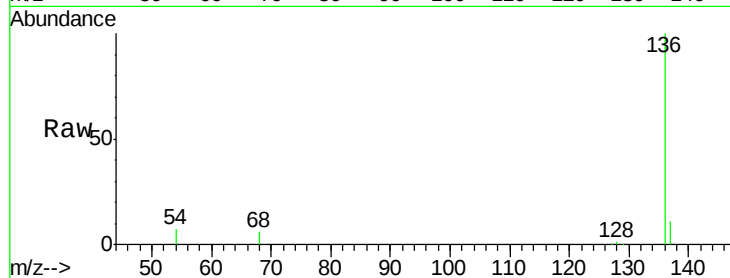
Tgt Ion:136 Resp: 224962

Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

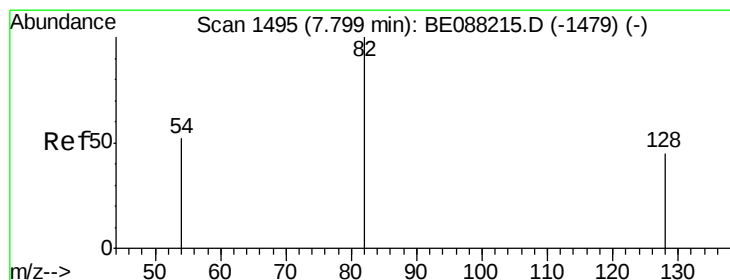
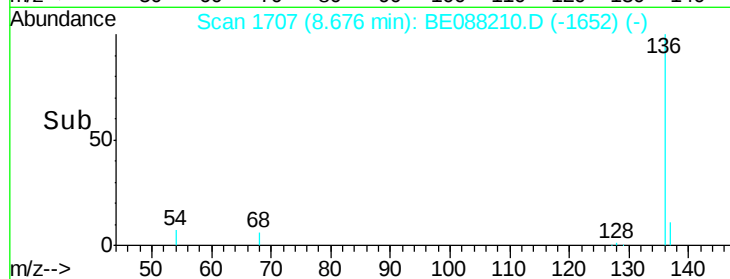
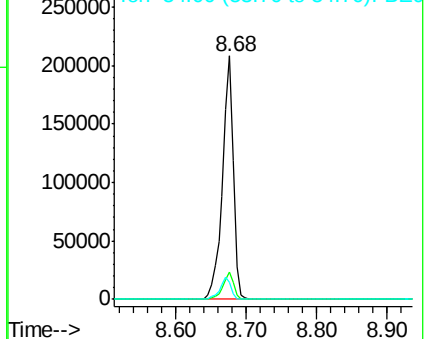
54 6.9 6.1 9.1



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: 0.47 ng

RT: 7.80 min Scan# 1495

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

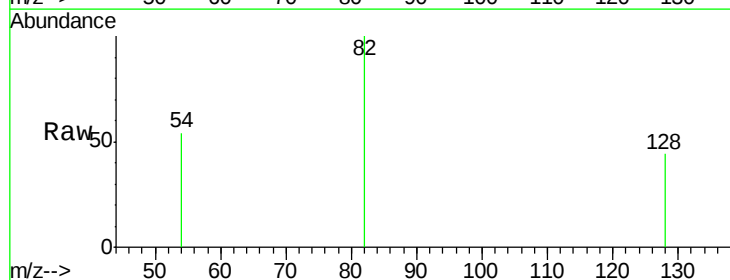
Tgt Ion: 82 Resp: 6513

Ion Ratio Lower Upper

82 100

128 44.2 36.2 54.2

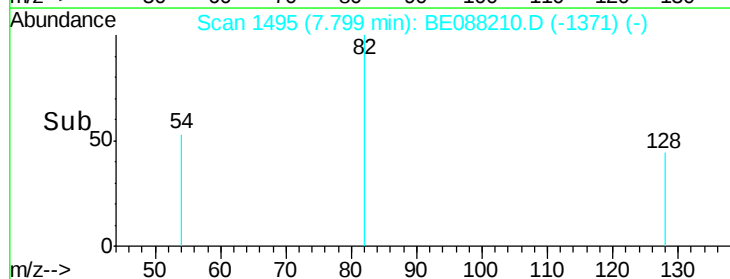
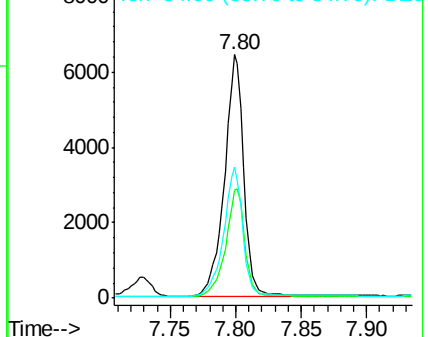
54 53.8 41.8 62.8

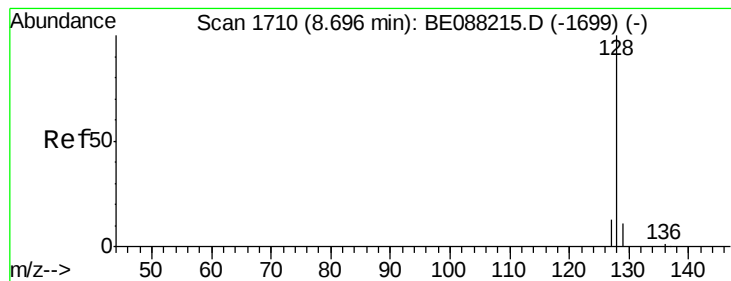


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#5

Naphthalene

Concen: 0.52 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

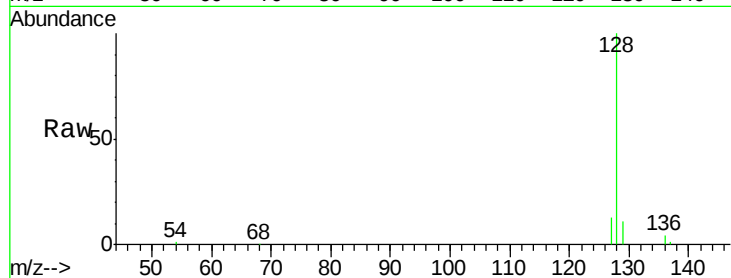
Tgt Ion:128 Resp: 23938

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

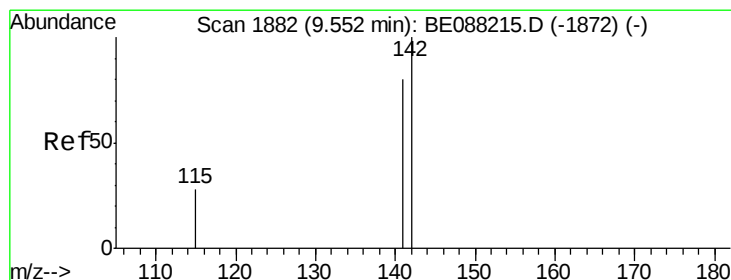
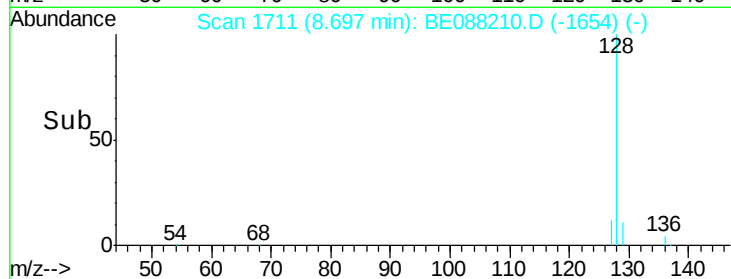
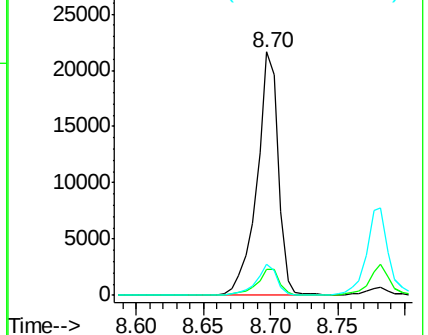
127 12.6 10.4 15.6



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: 0.52 ng

RT: 9.55 min Scan# 1883

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

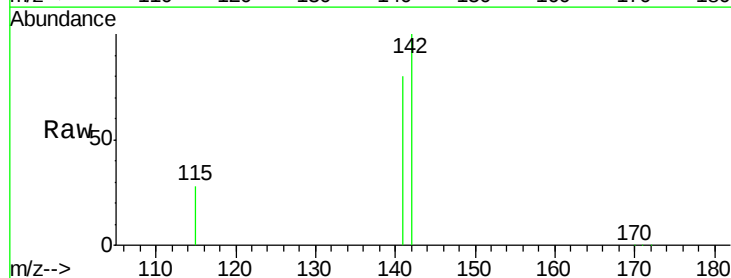
Tgt Ion:142 Resp: 14462

Ion Ratio Lower Upper

142 100

141 79.7 63.7 95.5

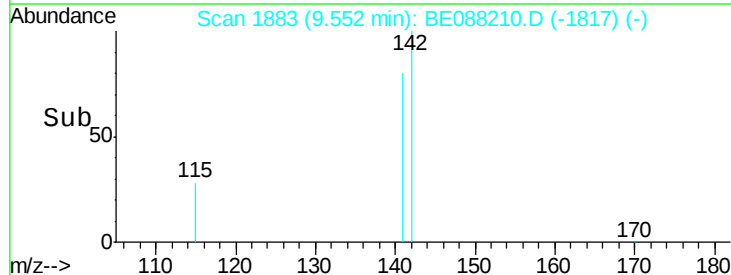
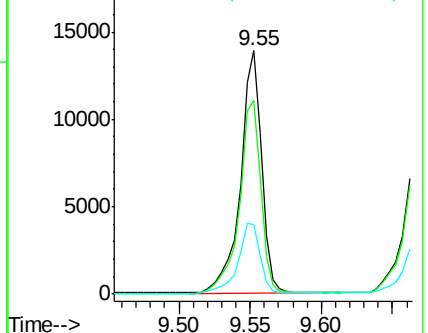
115 28.4 22.6 34.0

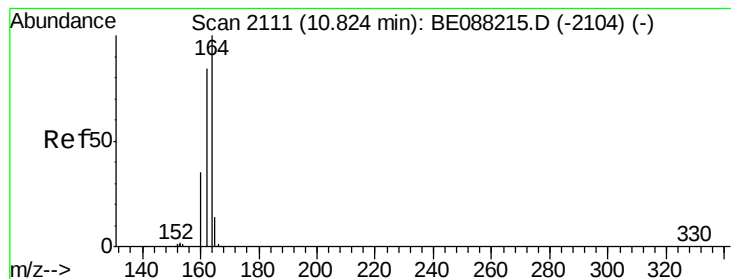


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.82 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.5

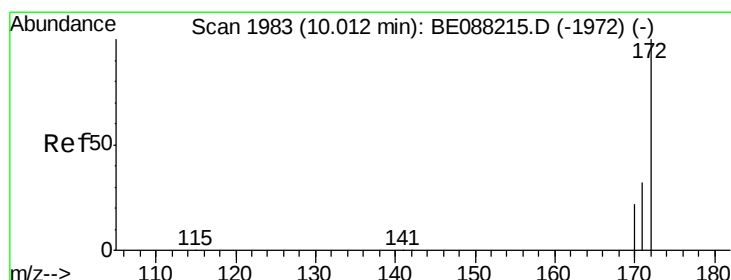
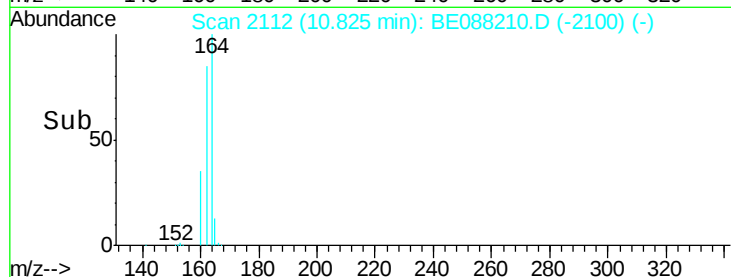
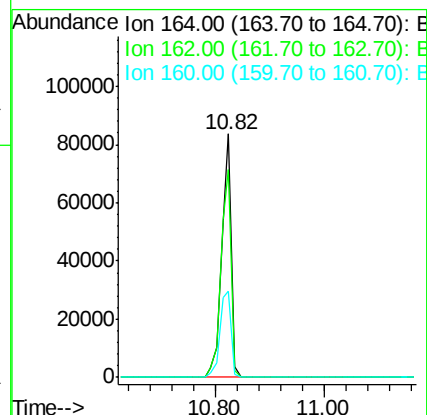
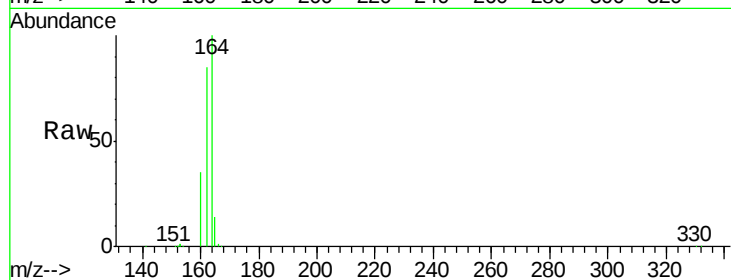
Tgt Ion:164 Resp: 102142

Ion Ratio Lower Upper

164 100

162 85.4 67.4 101.0

160 35.3 27.7 41.5



#8

2-Fluorobiphenyl

Concen: 0.53 ng

RT: 10.01 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

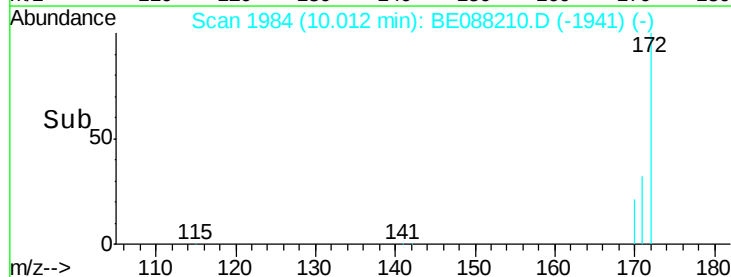
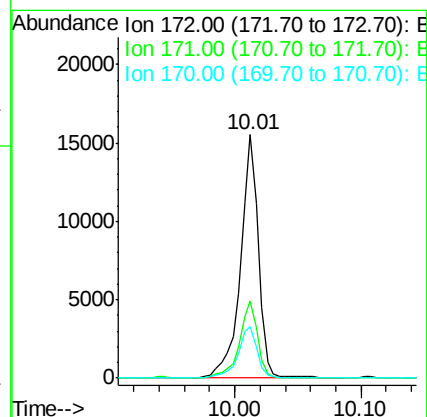
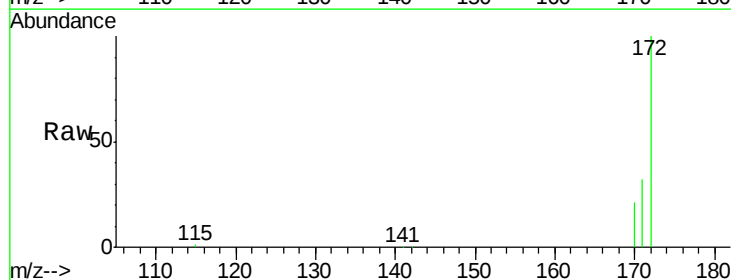
Tgt Ion:172 Resp: 14994

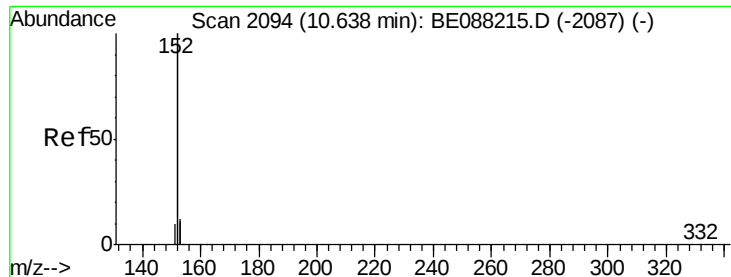
Ion Ratio Lower Upper

172 100

171 31.7 25.8 38.6

170 21.1 17.4 26.0





#9

Acenaphthylene

Concen: 0.52 ng

RT: 10.64 min Scan# 2095

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.5

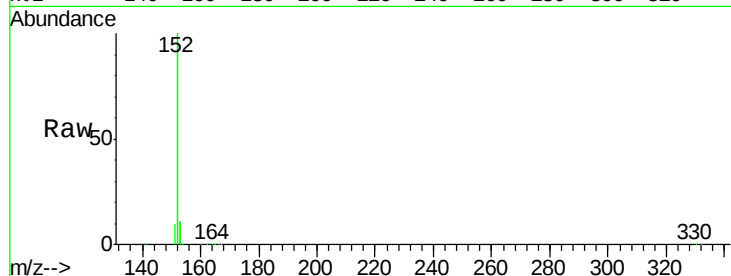
Tgt Ion:152 Resp: 80056

Ion Ratio Lower Upper

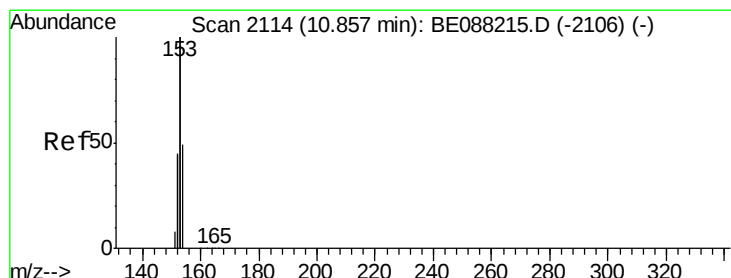
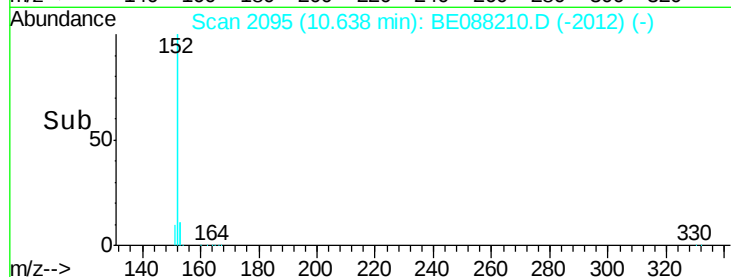
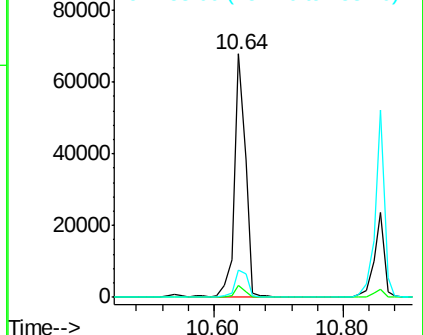
152 100

151 4.6 3.7 5.5

153 12.9 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: 0.53 ng

RT: 10.86 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

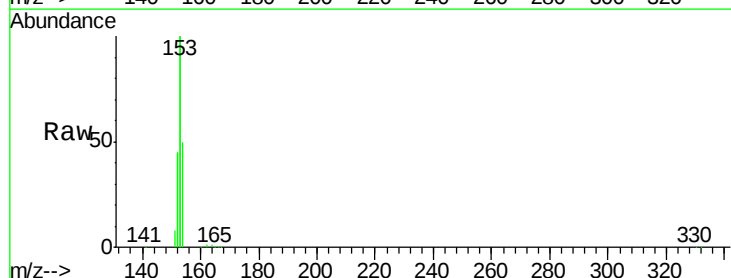
Tgt Ion:154 Resp: 12689

Ion Ratio Lower Upper

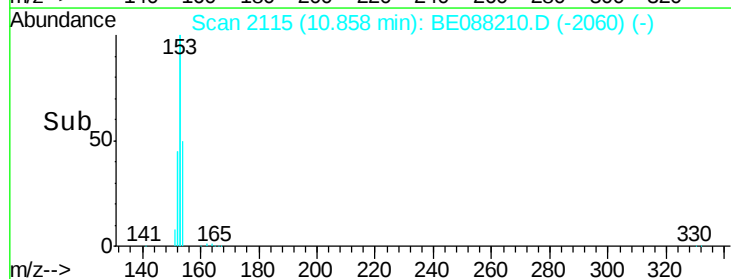
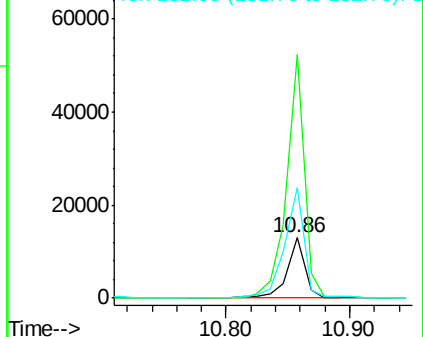
154 100

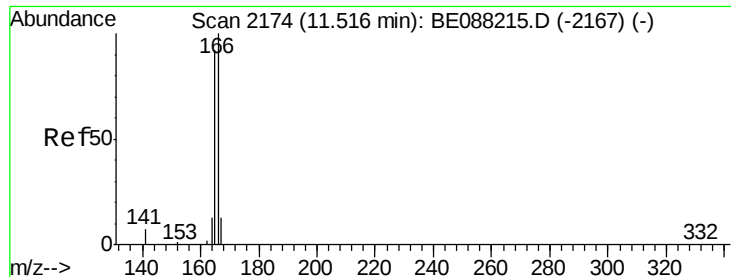
153 403.1 326.0 489.0

152 194.9 155.6 233.4



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: 0.53 ng

RT: 11.52 min Scan# 2175

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

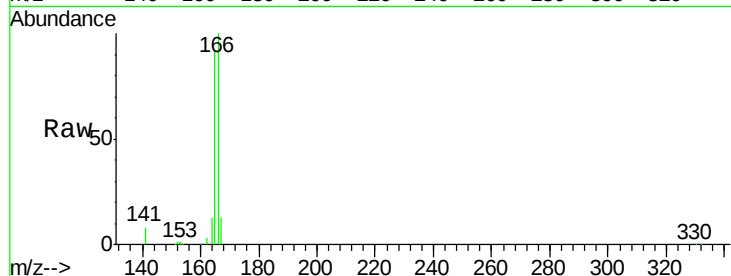
Tgt Ion:166 Resp: 12958

Ion Ratio Lower Upper

166 100

165 89.8 71.8 107.6

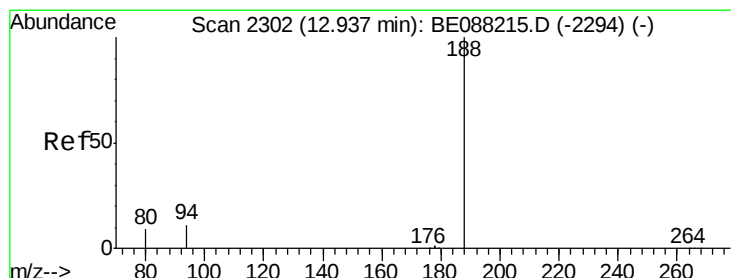
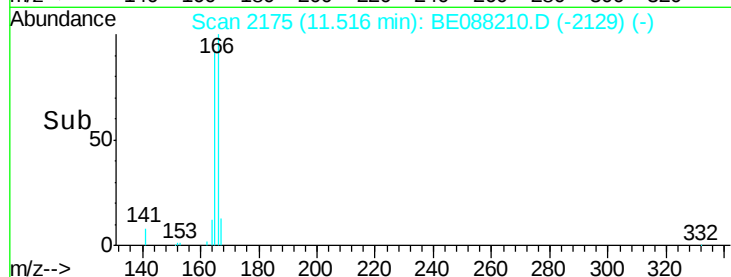
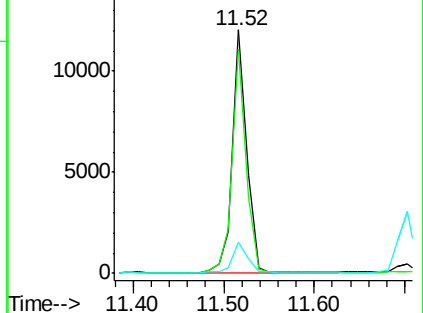
167 13.2 10.7 16.1



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: BE088210.D

Acq: 24 Oct 2014 13:46

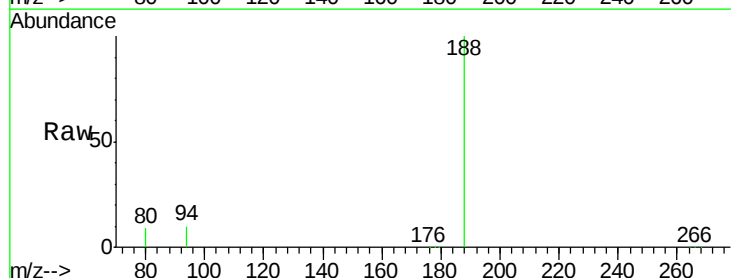
Tgt Ion:188 Resp: 178486

Ion Ratio Lower Upper

188 100

94 10.5 8.5 12.7

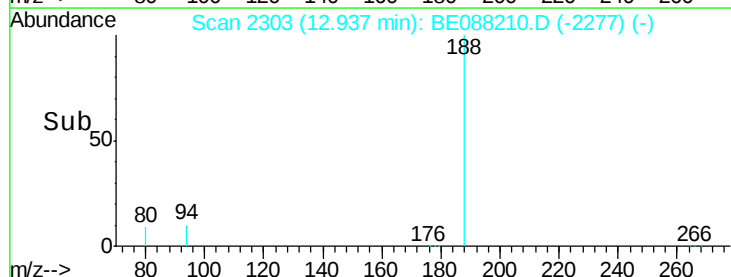
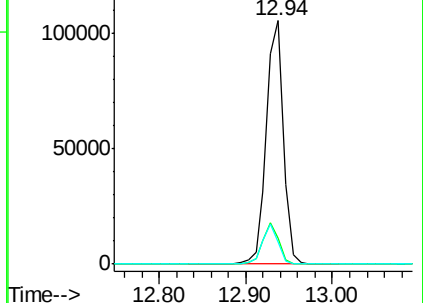
80 9.0 7.4 11.0

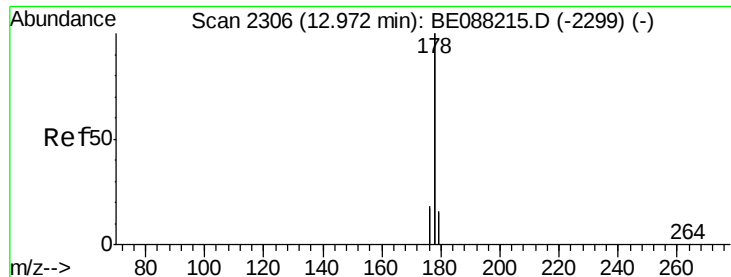


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#13

Phenanthrene

Concen: 0.61 ng

RT: 12.97 min Scan# 2307

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

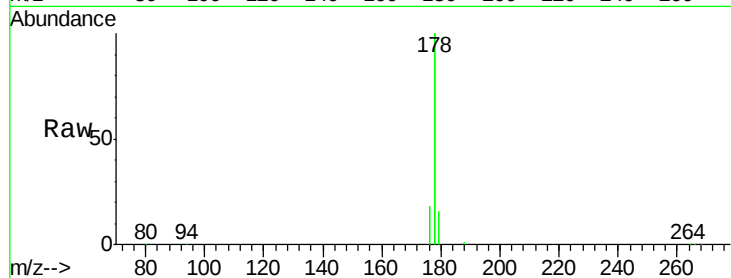
Tgt Ion:178 Resp: 89924

Ion Ratio Lower Upper

178 100

176 20.0 14.0 21.0

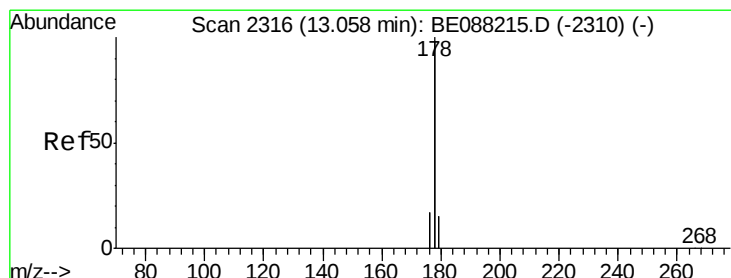
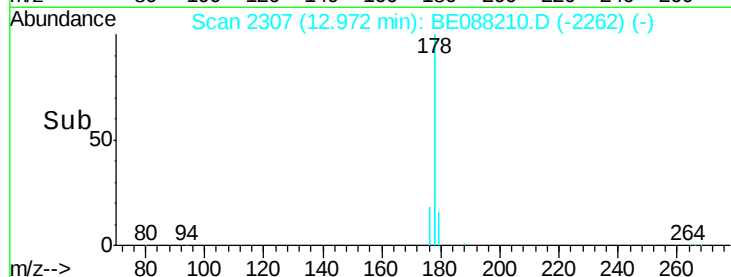
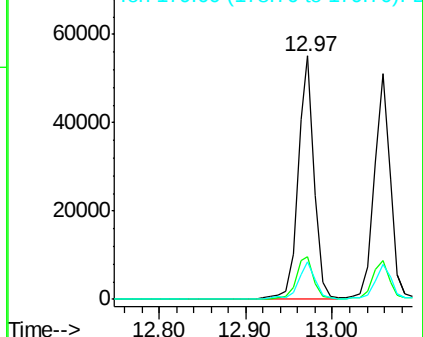
179 17.3 11.8 17.6



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: 0.52 ng

RT: 13.06 min Scan# 2317

Delta R.T. 0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

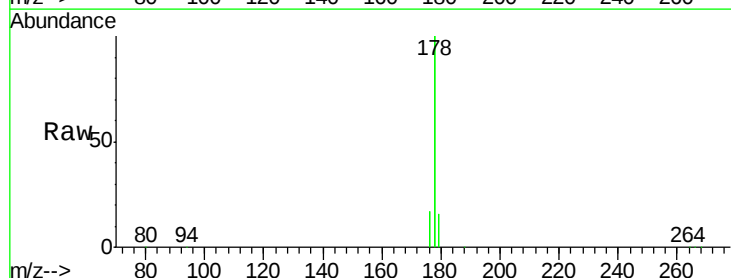
Tgt Ion:178 Resp: 66573

Ion Ratio Lower Upper

178 100

176 18.2 14.7 22.1

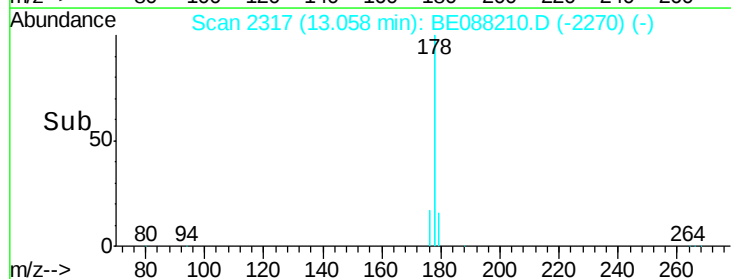
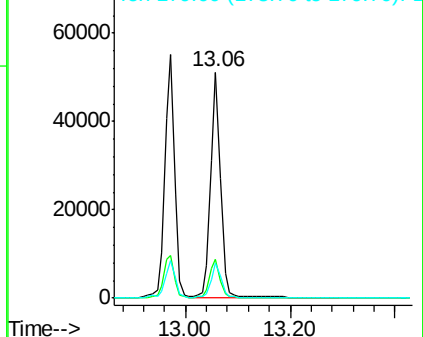
179 15.8 12.3 18.5

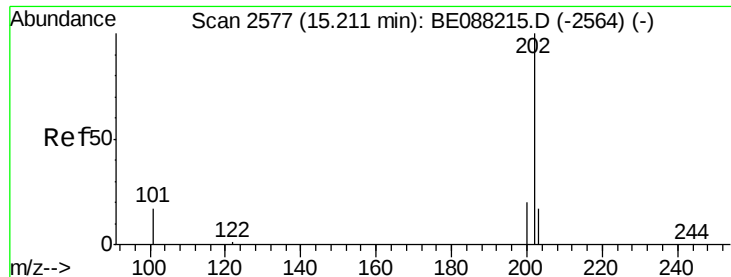


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

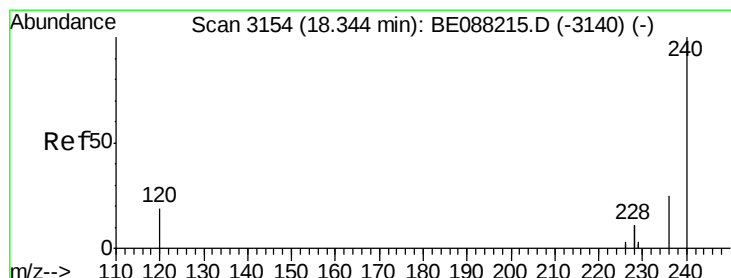
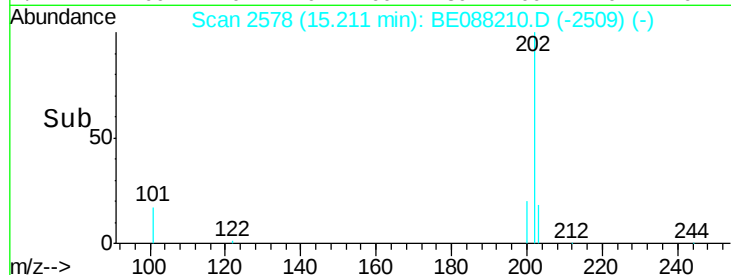
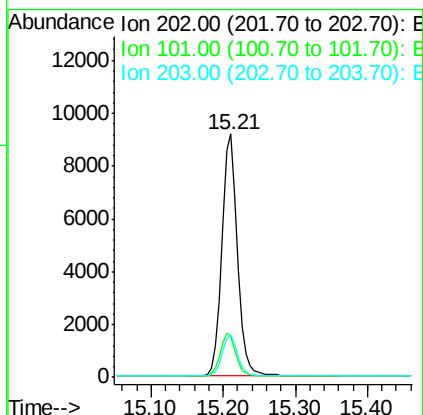
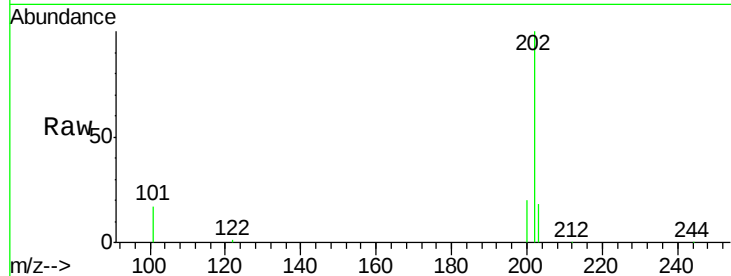




#15
 Fluoranthene
 Concen: 0.53 ng
 RT: 15.21 min Scan# 2578
 Delta R.T. -0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

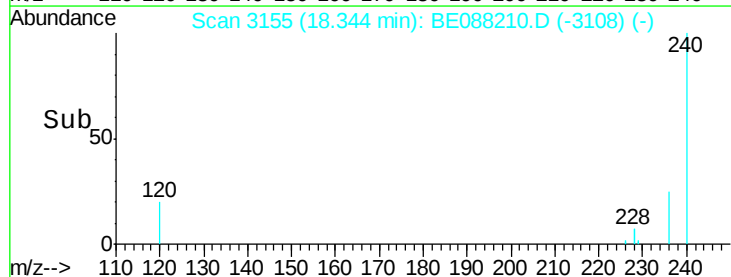
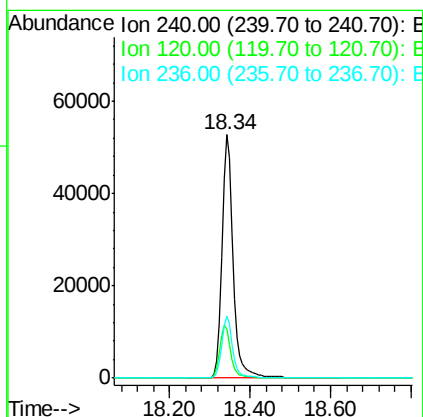
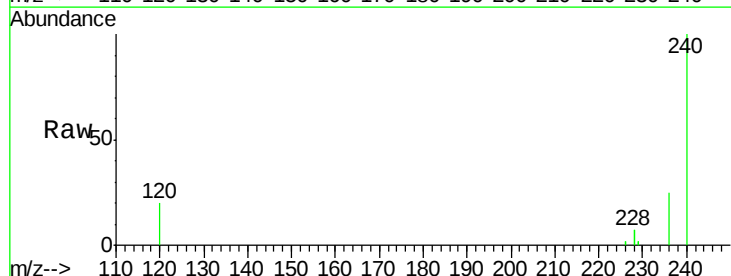
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

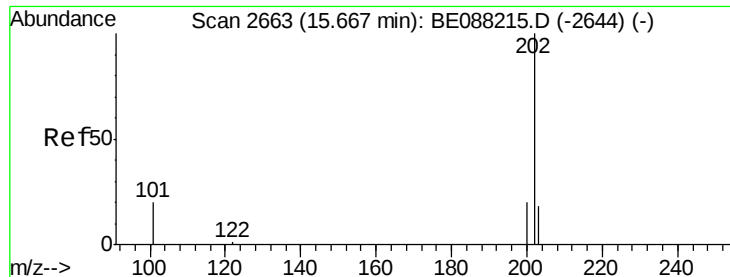
Tgt Ion: 202 Resp: 13711
 Ion Ratio Lower Upper
 202 100
 101 17.6 14.4 21.6
 203 17.0 13.4 20.2



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.34 min Scan# 3155
 Delta R.T. -0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

Tgt Ion: 240 Resp: 101054
 Ion Ratio Lower Upper
 240 100
 120 20.4 15.1 22.7
 236 25.5 20.1 30.1

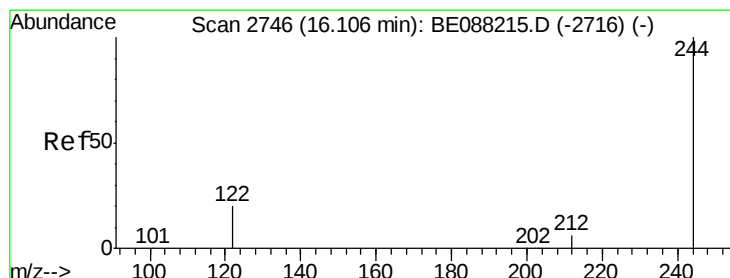
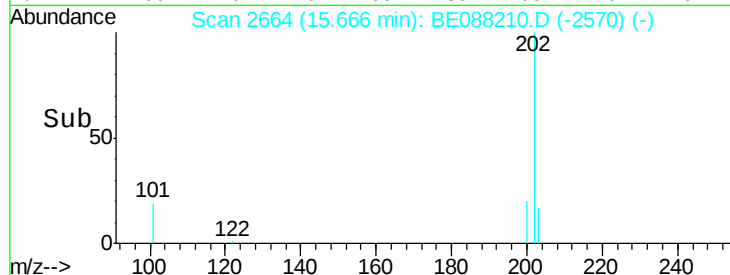
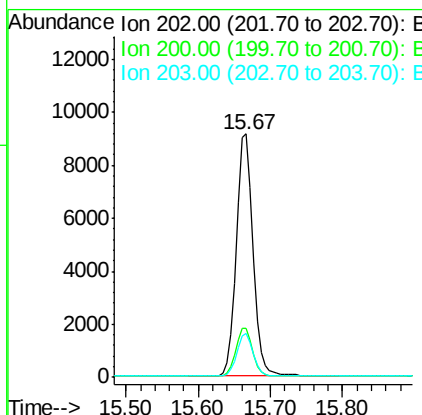
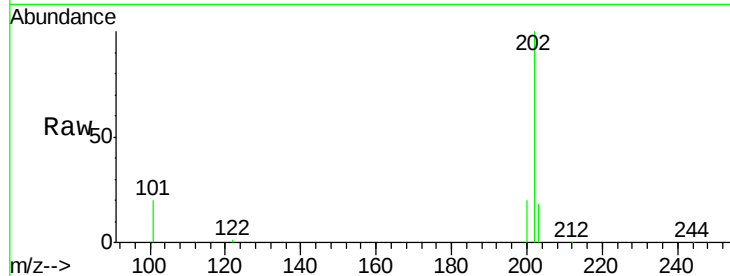




#17
 Pyrene
 Concen: 0.53 ng
 RT: 15.67 min Scan# 2664
 Delta R.T. -0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

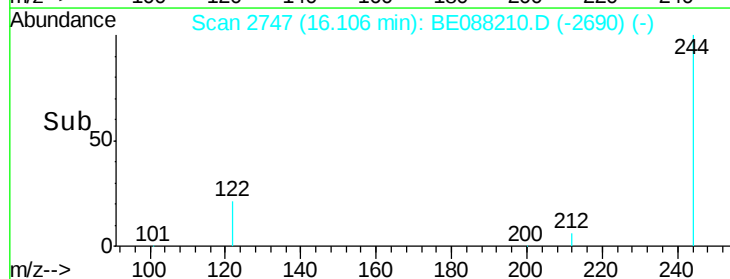
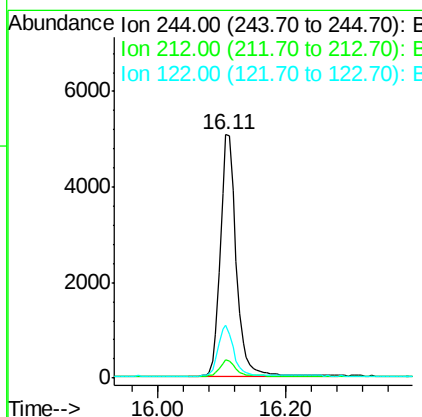
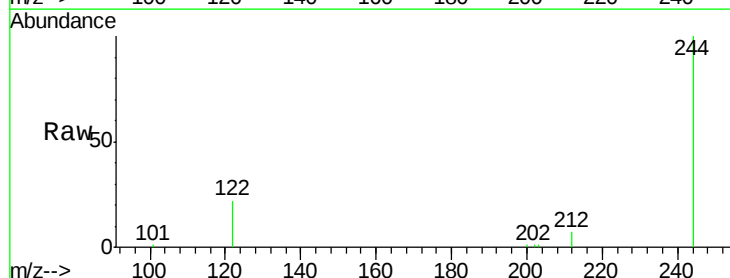
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.5

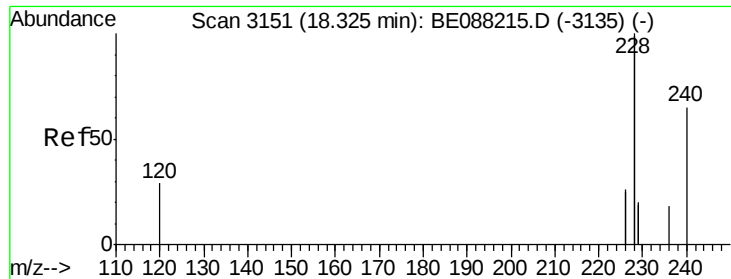
Tgt Ion: 202 Resp: 14678
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.2 24.2
 203 17.3 13.8 20.8



#18
 Terphenyl-d14
 Concen: 0.52 ng
 RT: 16.11 min Scan# 2747
 Delta R.T. -0.00 min
 Lab File: BE088210.D
 Acq: 24 Oct 2014 13:46

Tgt Ion: 244 Resp: 8644
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 21.9 16.7 25.1





#19

Benzo(a)anthracene

Concen: 0.50 ng

RT: 18.32 min Scan# 3152

Delta R.T. -0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

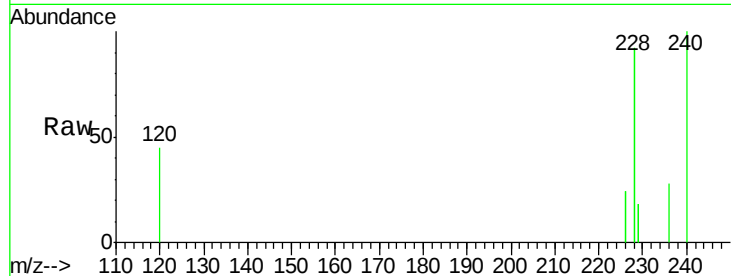
Tgt Ion:228 Resp: 39876

Ion Ratio Lower Upper

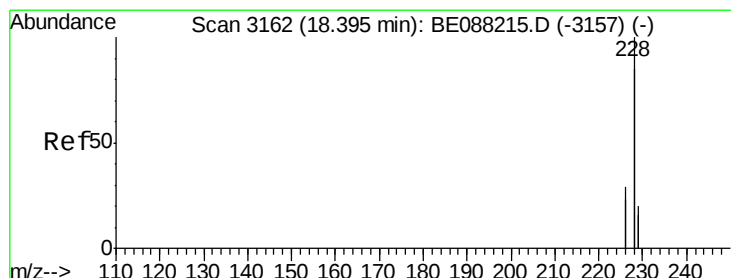
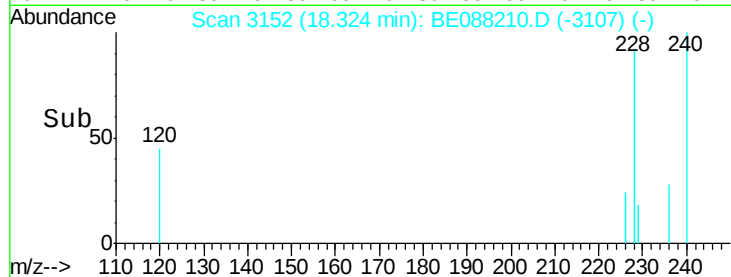
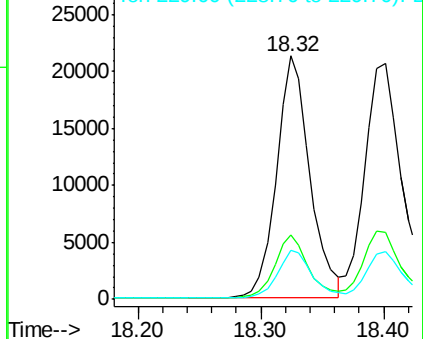
228 100

226 26.3 20.5 30.7

229 20.1 16.1 24.1



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: 0.52 ng

RT: 18.40 min Scan# 3164

Delta R.T. 0.01 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

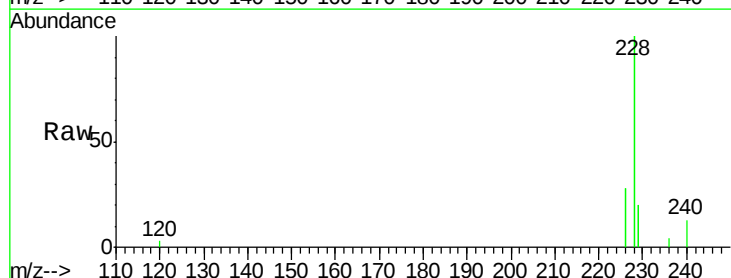
Tgt Ion:228 Resp: 46692

Ion Ratio Lower Upper

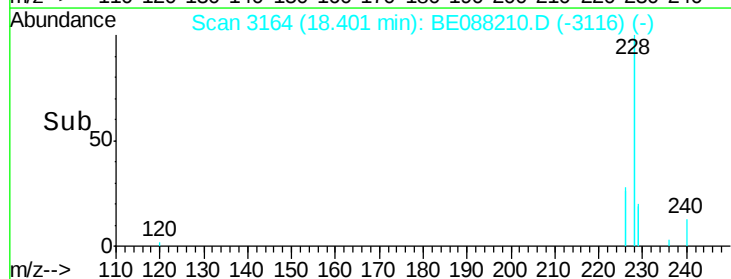
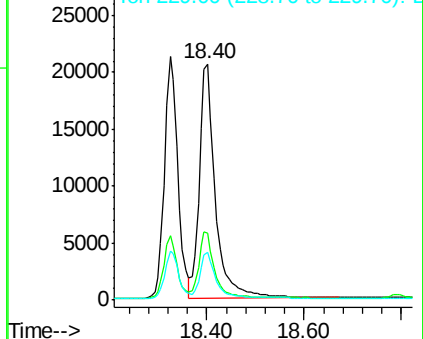
228 100

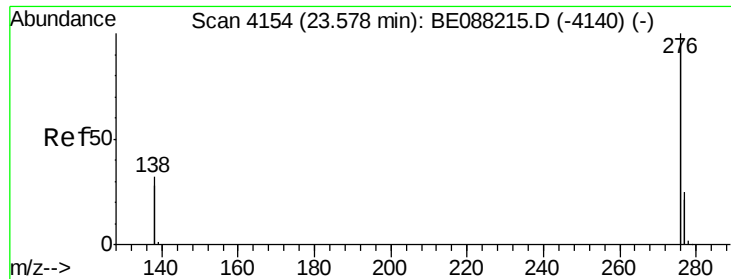
226 28.1 23.3 34.9

229 20.3 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





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 23.57 min Scan# 4154

Delta R.T. -0.01 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

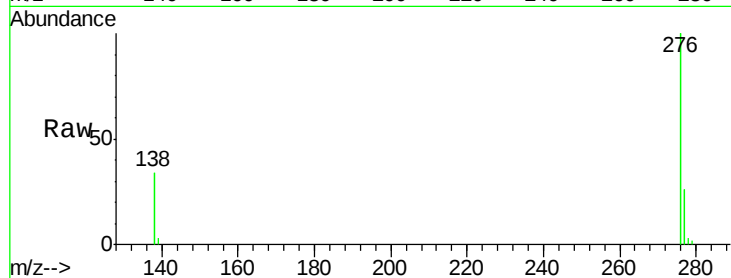
Tgt Ion:276 Resp: 19641

Ion Ratio Lower Upper

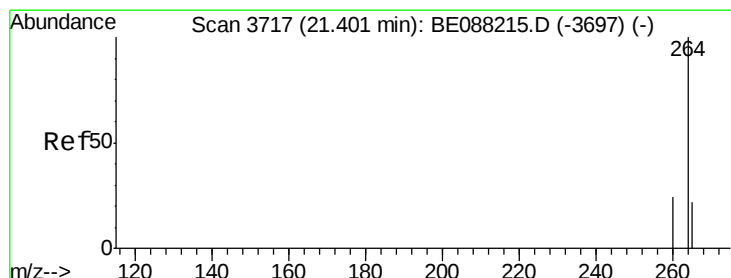
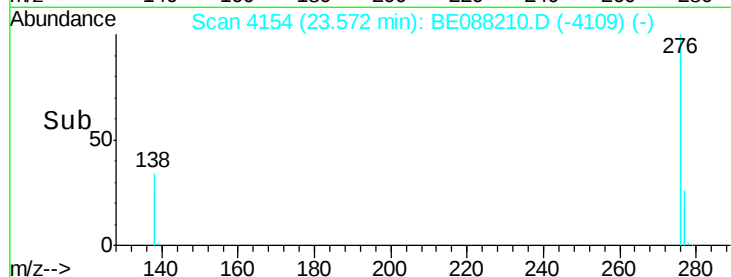
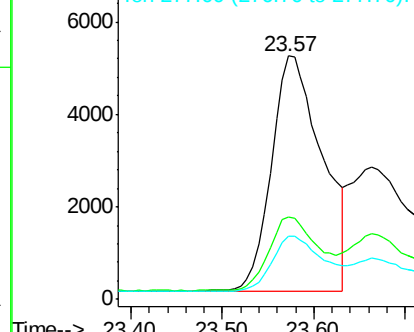
276 100

138 30.9 13.9 20.9#

277 23.4 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: BE088210.D

Acq: 24 Oct 2014 13:46

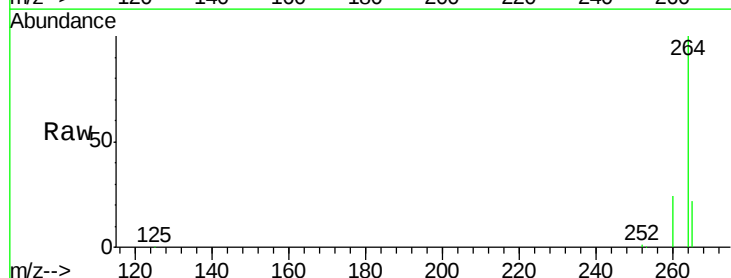
Tgt Ion:264 Resp: 91713

Ion Ratio Lower Upper

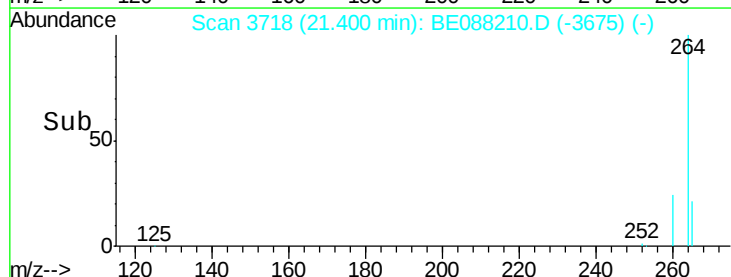
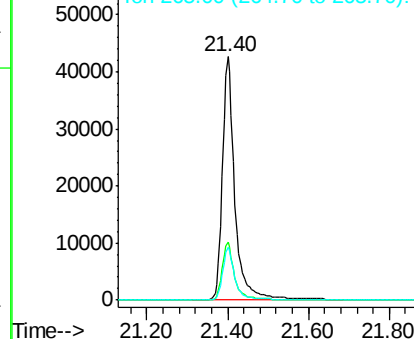
264 100

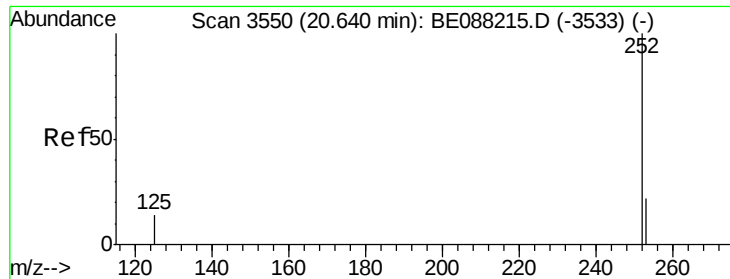
260 24.0 19.0 28.4

265 21.6 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: 0.48 ng

RT: 20.64 min Scan# 3551

Delta R.T. -0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5

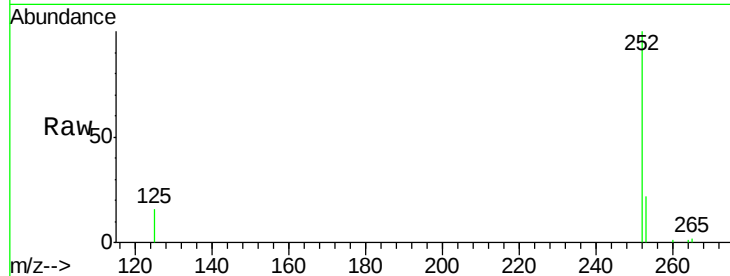
Tgt Ion:252 Resp: 7211

Ion Ratio Lower Upper

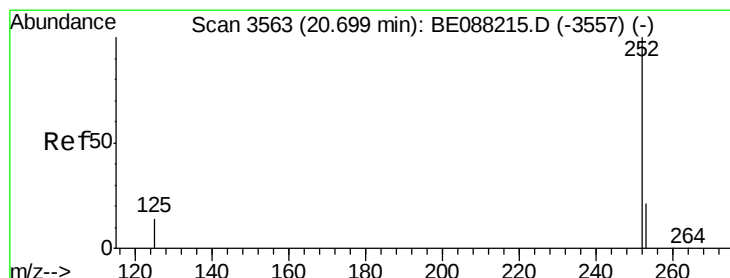
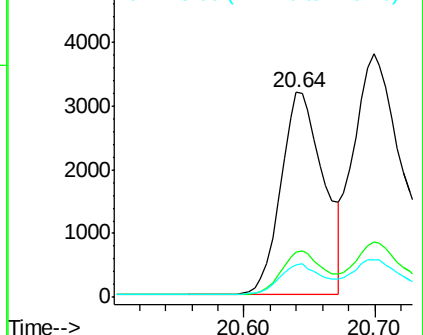
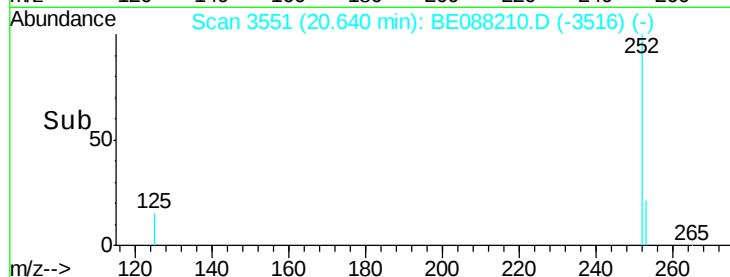
252 100

253 22.3 17.9 26.9

125 16.1 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: 0.52 ng

RT: 20.70 min Scan# 3564

Delta R.T. -0.00 min

Lab File: BE088210.D

Acq: 24 Oct 2014 13:46

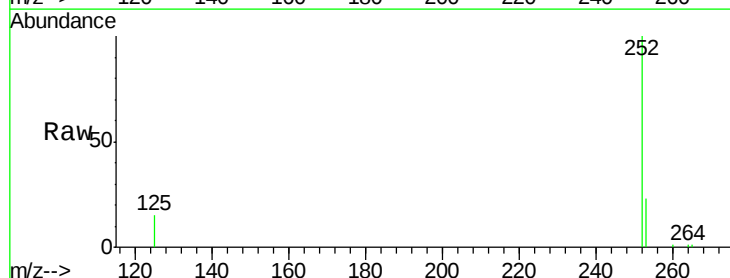
Tgt Ion:252 Resp: 12419

Ion Ratio Lower Upper

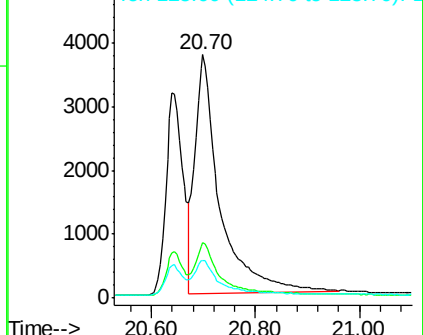
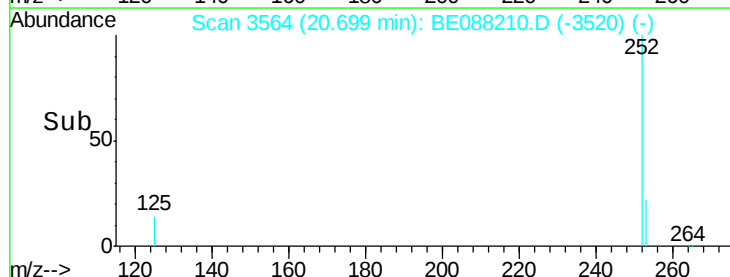
252 100

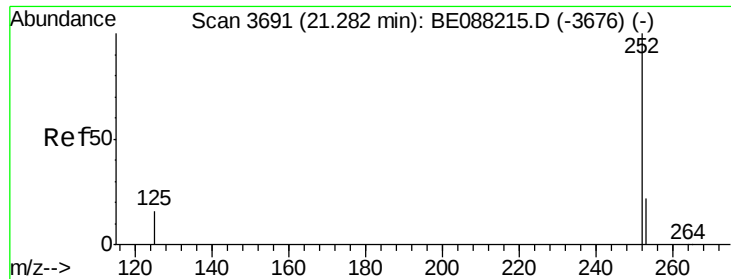
253 23.0 17.6 26.4

125 15.2 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

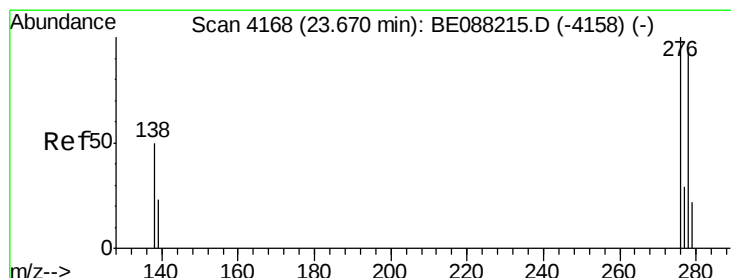
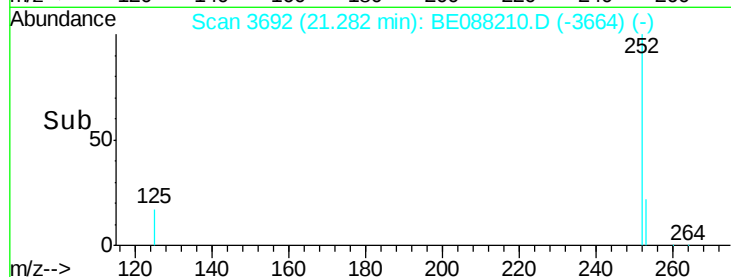
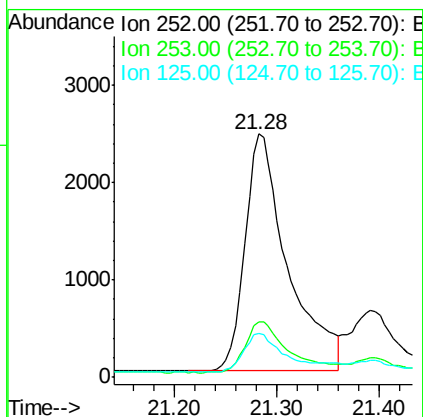
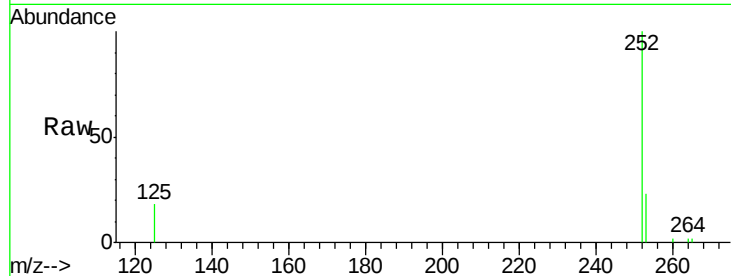




#25
Benzo(a)pyrene
Concen: 0.48 ng
RT: 21.28 min Scan# 3692
Delta R.T. -0.00 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

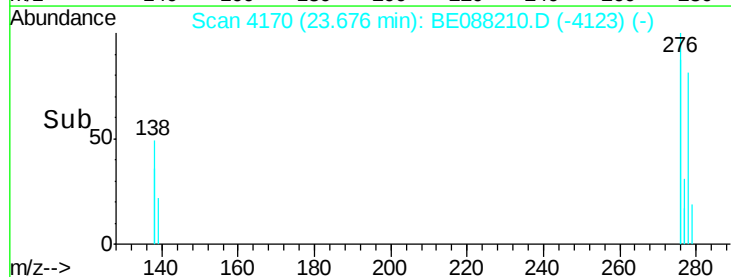
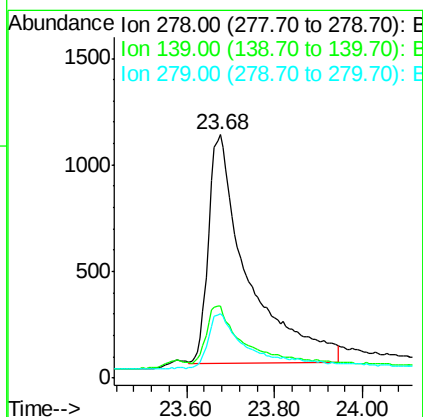
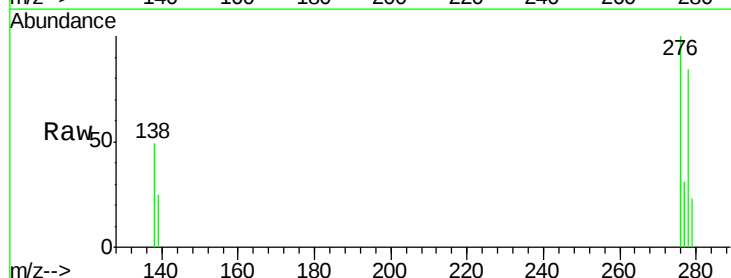
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.5

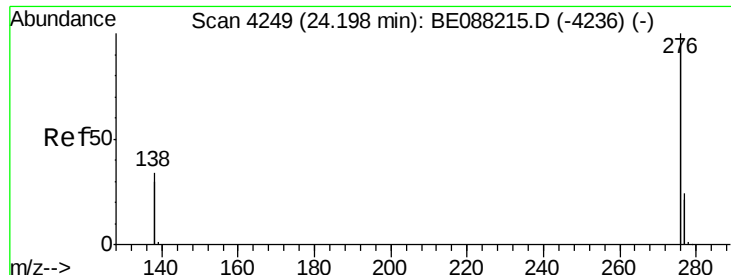
Tgt Ion: 252 Resp: 7073
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.8
125 18.2 13.5 20.3



#26
Dibenzo(a,h)anthracene
Concen: 0.47 ng
RT: 23.68 min Scan# 4170
Delta R.T. 0.01 min
Lab File: BE088210.D
Acq: 24 Oct 2014 13:46

Tgt Ion: 278 Resp: 6626
Ion Ratio Lower Upper
278 100
139 29.9 22.1 33.1
279 26.7 20.2 30.2





#27

Benzo(g,h,i)perylene

Concen: 0.50 ng

RT: 24.20 min Scan# 4250

Delta R.T. 0.00 min

Lab File: BE088210.D

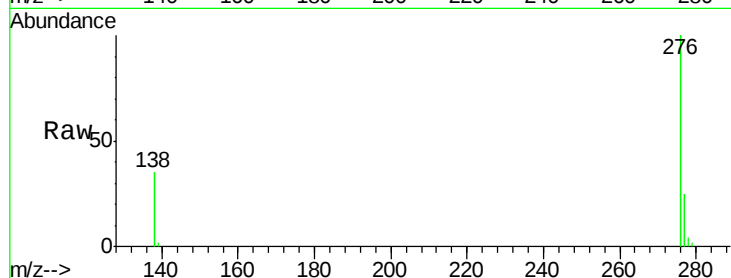
Acq: 24 Oct 2014 13:46

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.5



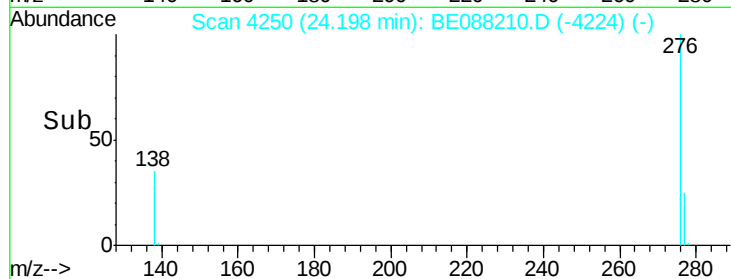
Tgt Ion: 276 Resp: 36956

Ion Ratio Lower Upper

276 100

277 24.9 19.4 29.2

138 35.1 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

