

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102414\
 Data File : BE088220.D
 Acq On : 24 Oct 2014 19:30
 Operator : TP/JJ
 Sample : F4372-18
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101714-SD

Quant Time: Oct 27 13:12:50 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 13:04:40 2014
 Response via : Initial Calibration

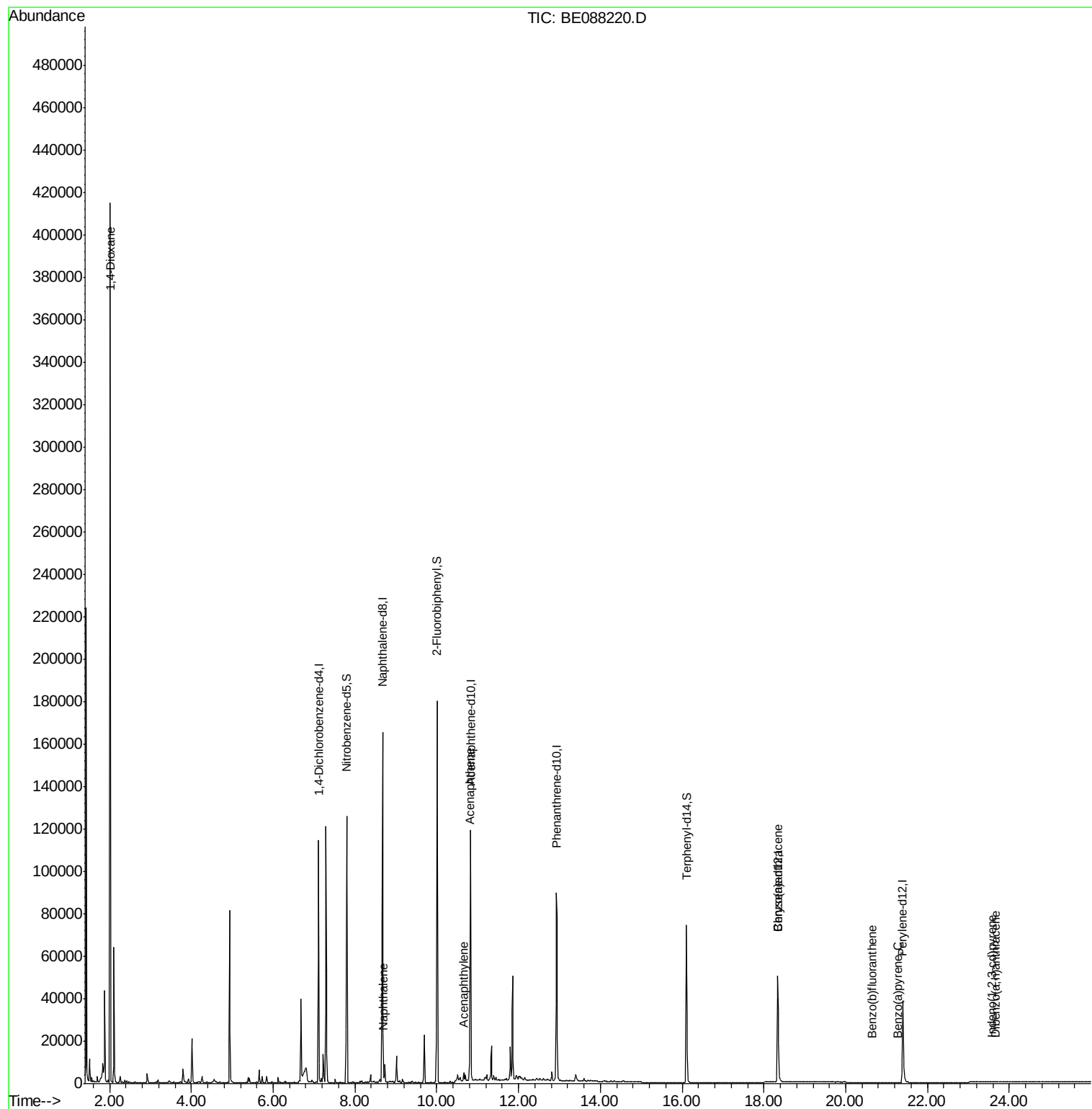
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.11	152	38624	5.00	ng	0.00
3) Naphthalene-d8	8.68	136	146606	5.00	ng	0.00
7) Acenaphthene-d10	10.82	164	67133	5.00	ng	0.00
12) Phenanthrene-d10	12.94	188	117927	5.00	ng	0.00
16) Chrysene-d12	18.34	240	64661	5.00	ng	0.00
22) Perylene-d12	21.40	264	55946	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.80	82	70798	6.50	ng	0.00
8) 2-Fluorobiphenyl	10.01	172	121211	6.47	ng	0.00
18) Terphenyl-d14	16.11	244	99052	9.35	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.02	88	12936	2.40	ng	# 1
5) Naphthalene	8.70	128	1572	0.05	ng	# 87
9) Acenaphthylene	10.66	152	4253	0.04	ng	# 92
10) Acenaphthene	10.81	154	361	0.02	ng	# 14
19) Benzo(a)anthracene	18.34	228	1277	0.03	ng	# 65
21) Indeno(1,2,3-cd)pyrene	23.57	276	146	0.25	ng	# 49
23) Benzo(b)fluoranthene	20.64	252	155	0.17	ng	# 12
25) Benzo(a)pyrene	21.28	252	48	0.17	ng	# 1
26) Dibenzo(a,h)anthracene	23.67	278	31	0.21	ng	# 1

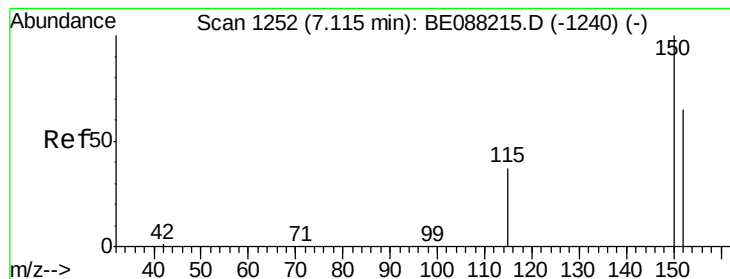
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE088220.D

Acq: 24 Oct 2014 19:30

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101714-SD

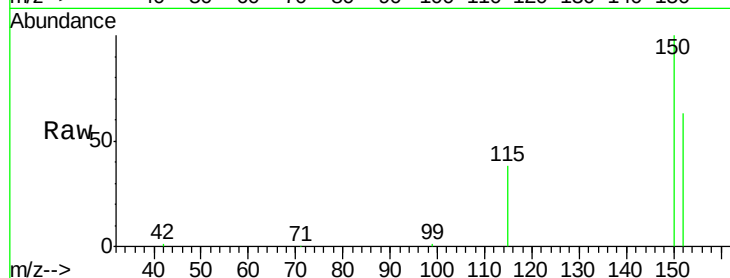
Tgt Ion:152 Resp: 38624

Ion Ratio Lower Upper

152 100

150 158.8 123.2 184.8

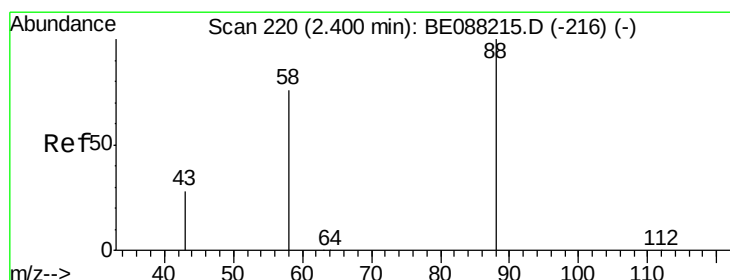
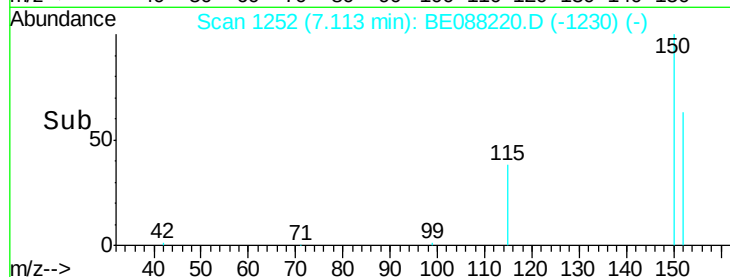
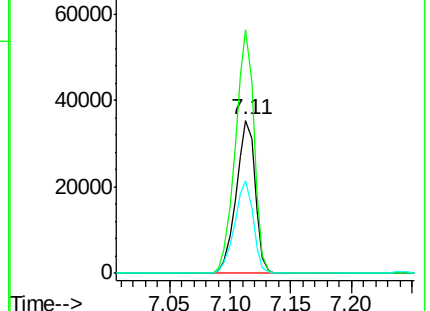
115 60.4 45.3 67.9



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: 2.40 ng

RT: 2.02 min Scan# 136

Delta R.T. -0.38 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

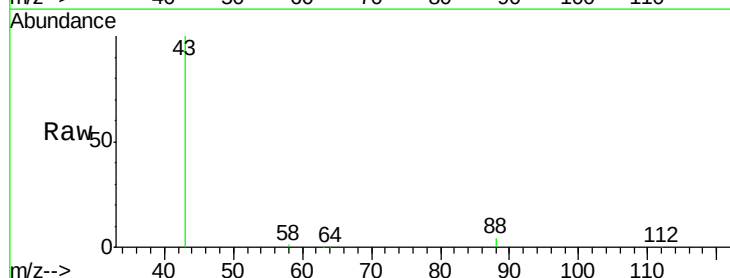
Tgt Ion: 88 Resp: 12936

Ion Ratio Lower Upper

88 100

58 28.6 59.0 88.4#

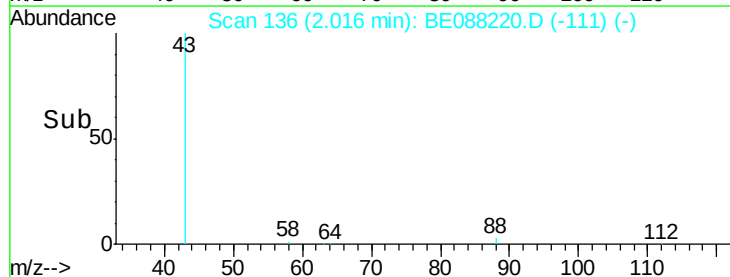
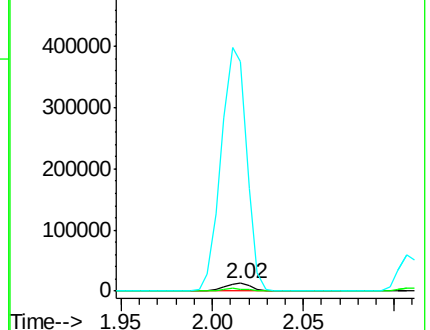
43 2988.5 21.9 32.9#

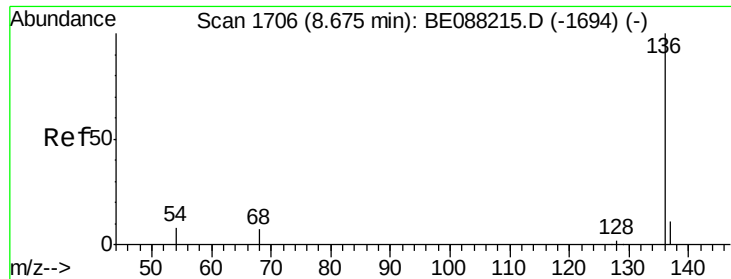


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: BE088220.D

Acq: 24 Oct 2014 19:30

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101714-SD

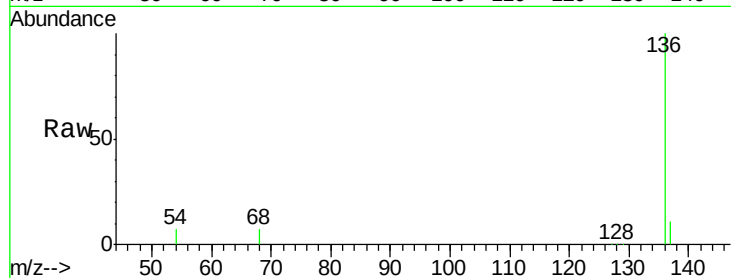
Tgt Ion: 136 Resp: 146606

Ion Ratio Lower Upper

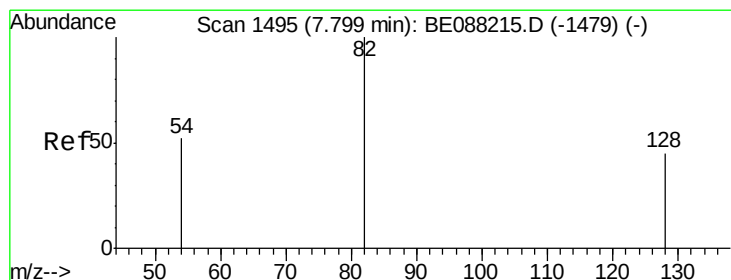
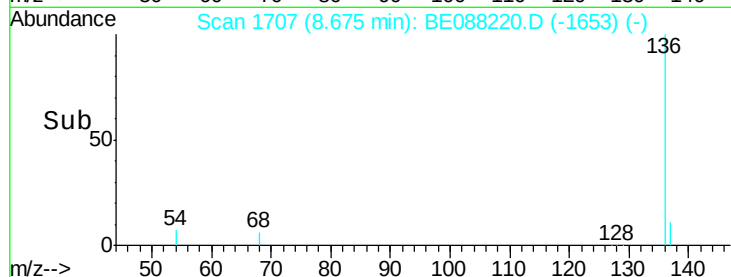
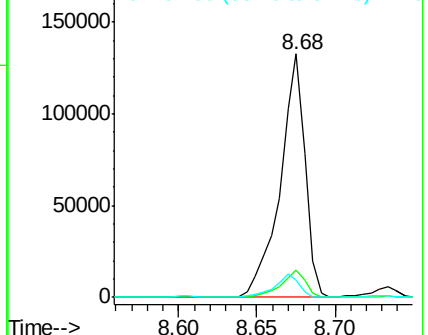
136 100

137 11.2 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): E



#4

Nitrobenzene-d5

Concen: 6.50 ng

RT: 7.80 min Scan# 1496

Delta R.T. 0.00 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

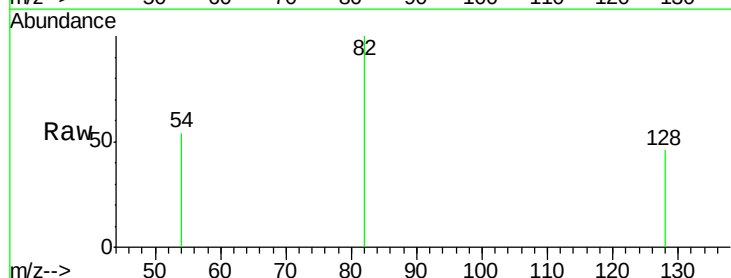
Tgt Ion: 82 Resp: 70798

Ion Ratio Lower Upper

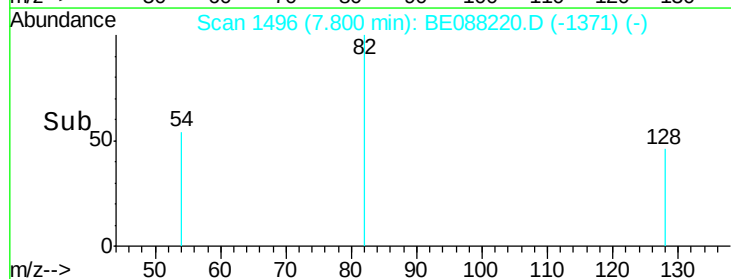
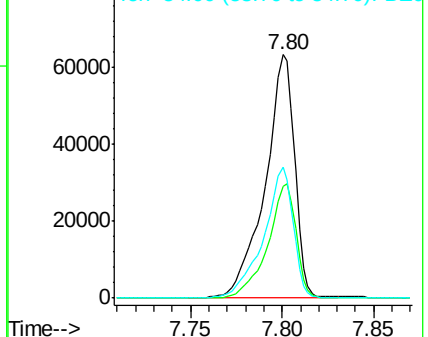
82 100

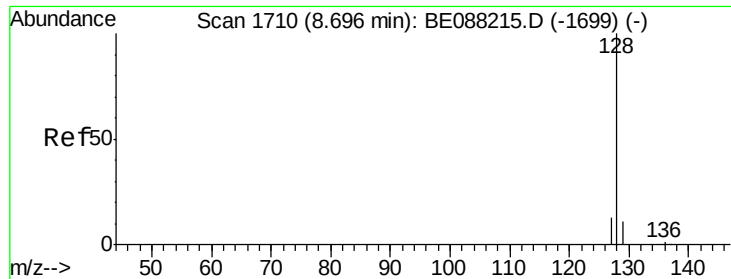
128 45.7 36.2 54.2

54 53.7 41.8 62.8



Abundance Ion 82.00 (81.70 to 82.70): E
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): E





#5

Naphthalene

Concen: 0.05 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101714-SD

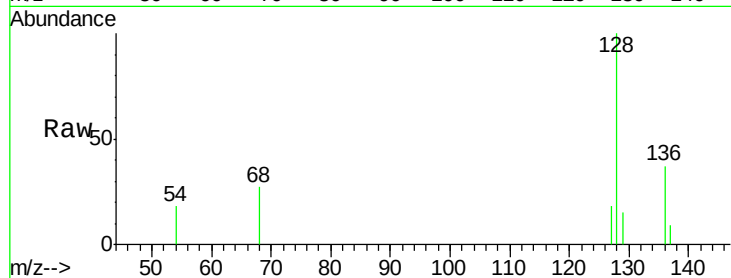
Tgt Ion:128 Resp: 1572

Ion Ratio Lower Upper

128 100

129 15.1 8.6 12.8#

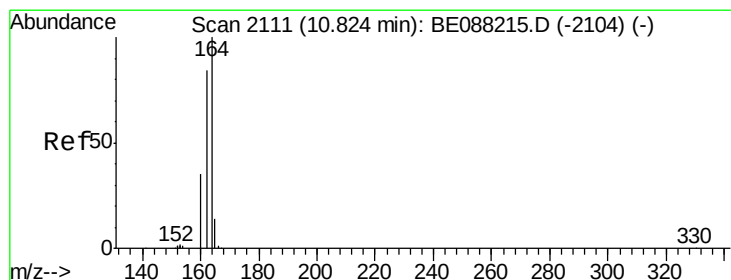
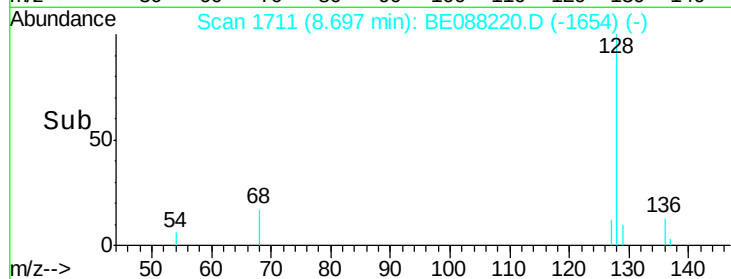
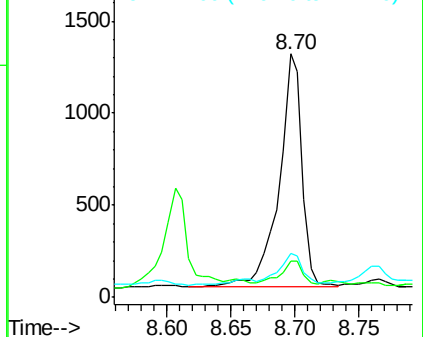
127 18.2 10.4 15.6#



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



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.82 min Scan# 2112

Delta R.T. 0.00 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

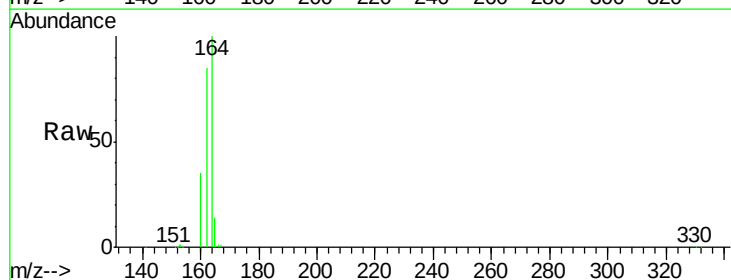
Tgt Ion:164 Resp: 67133

Ion Ratio Lower Upper

164 100

162 84.7 67.4 101.0

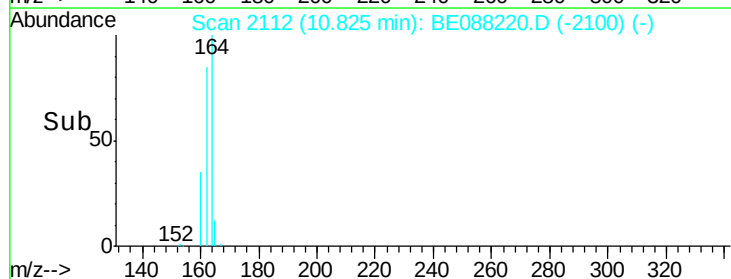
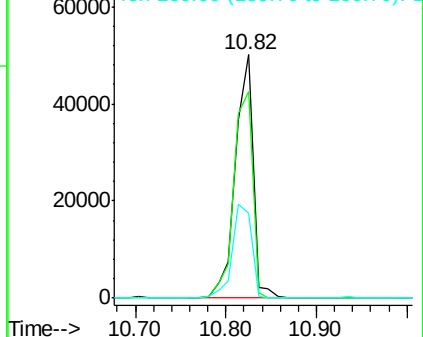
160 34.8 27.7 41.5

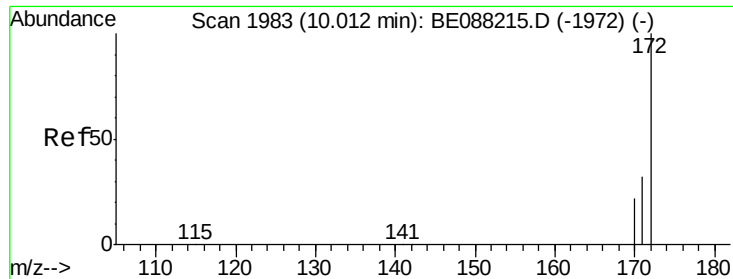


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#8

2-Fluorobiphenyl

Concen: 6.47 ng

RT: 10.01 min Scan# 1984

Delta R.T. 0.00 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

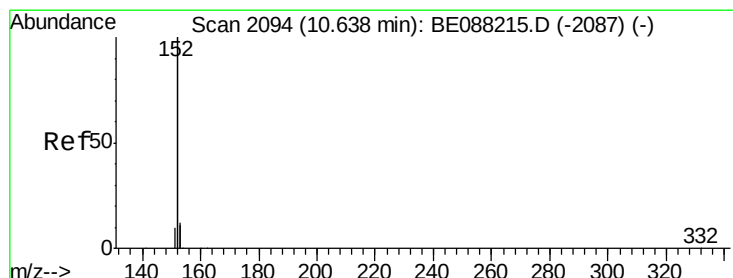
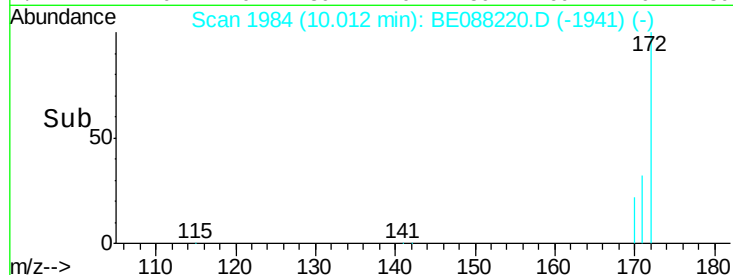
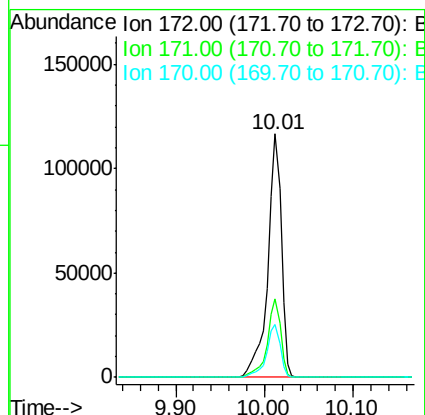
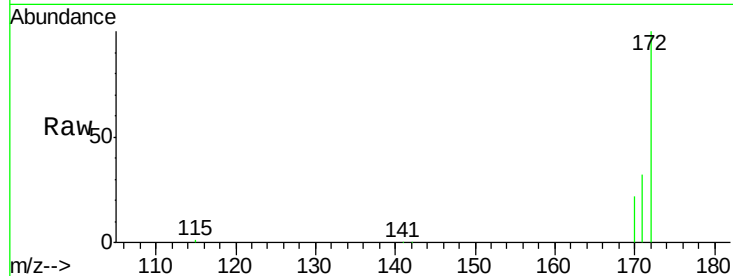
Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101714-SD

Tgt Ion:	172	Resp:	121211
Ion	Ratio	Lower	Upper
172	100		
171	32.1	25.8	38.6
170	21.8	17.4	26.0



#9

Acenaphthylene

Concen: 0.04 ng

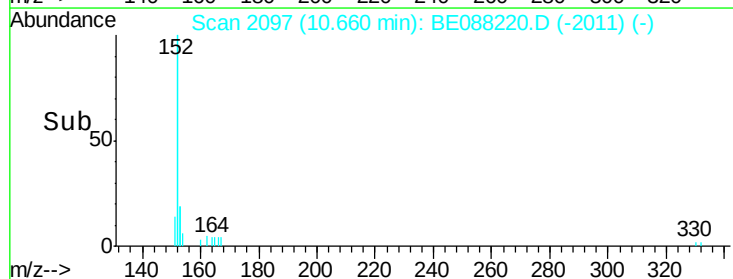
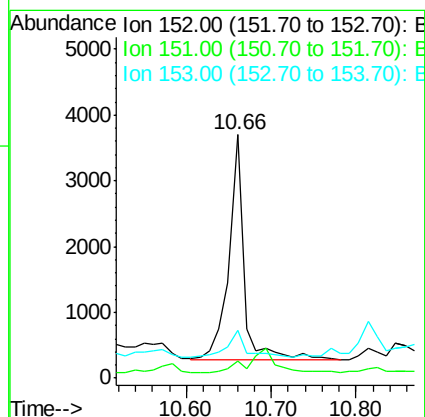
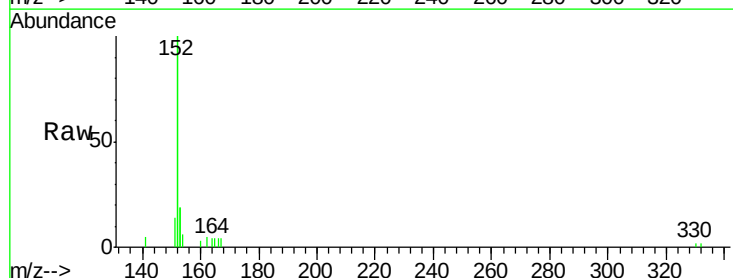
RT: 10.66 min Scan# 2097

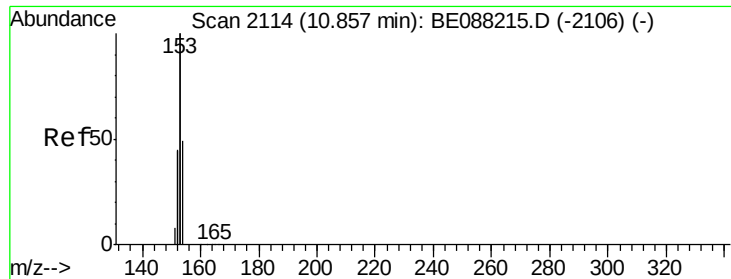
Delta R.T. 0.02 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

Tgt Ion:	152	Resp:	4253
Ion	Ratio	Lower	Upper
152	100		
151	0.0	3.7	5.5#
153	15.0	10.3	15.5





#10

Acenaphthene

Concen: 0.02 ng

RT: 10.81 min Scan# 2111

Delta R.T. -0.04 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101714-SD

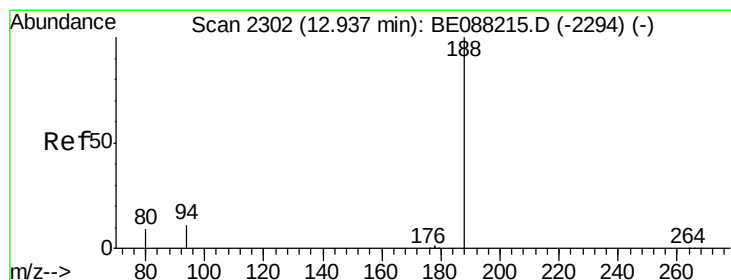
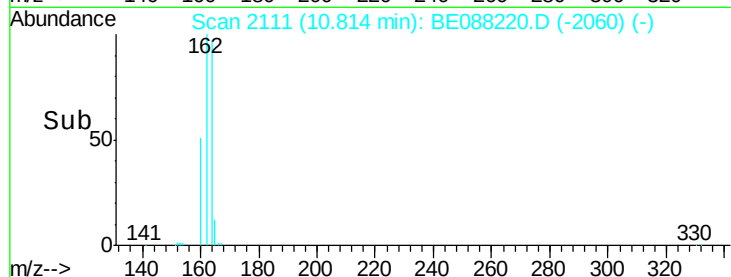
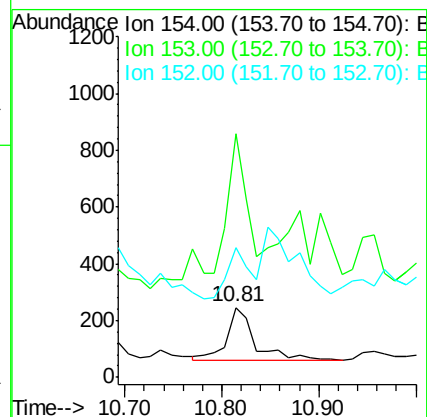
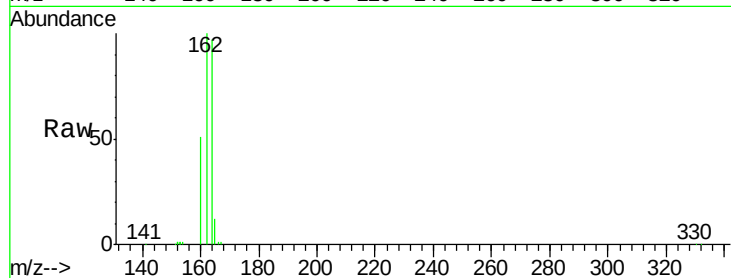
Tgt Ion:154 Resp: 361

Ion Ratio Lower Upper

154 100

153 192.2 326.0 489.0#

152 77.3 155.6 233.4#



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.94 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

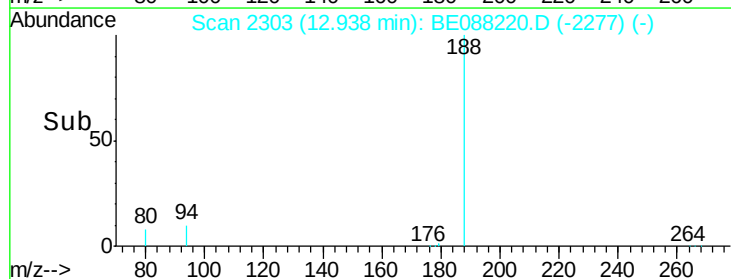
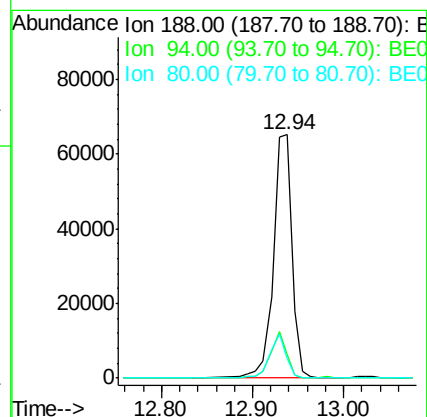
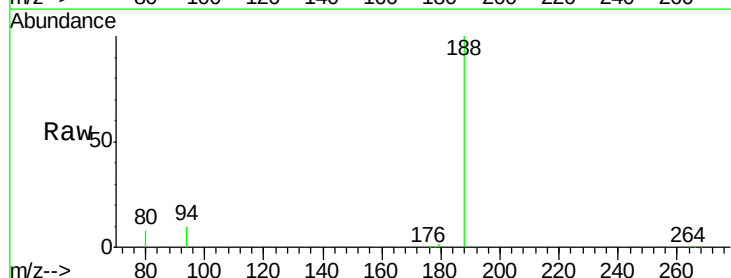
Tgt Ion:188 Resp: 117927

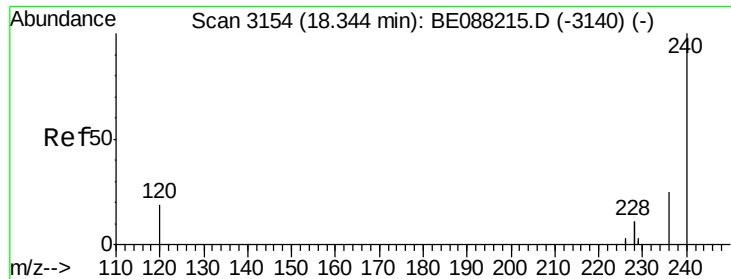
Ion Ratio Lower Upper

188 100

94 9.5 8.5 12.7

80 8.1 7.4 11.0





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.34 min Scan# 3154

Delta R.T. -0.01 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

Instrument :

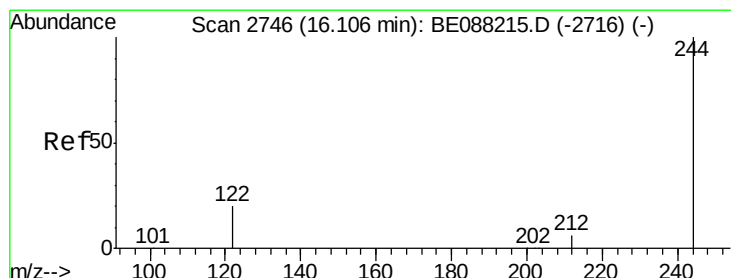
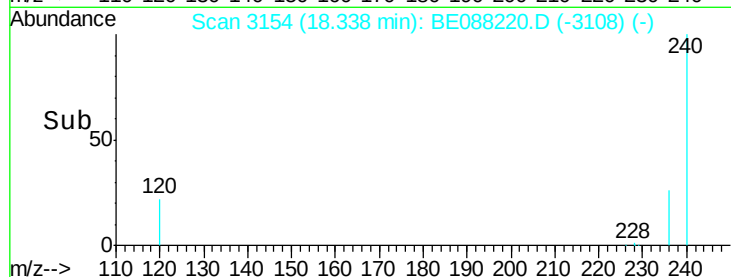
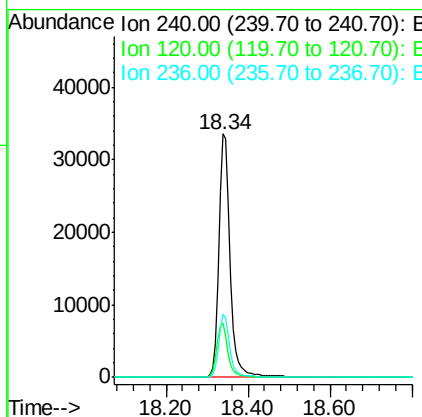
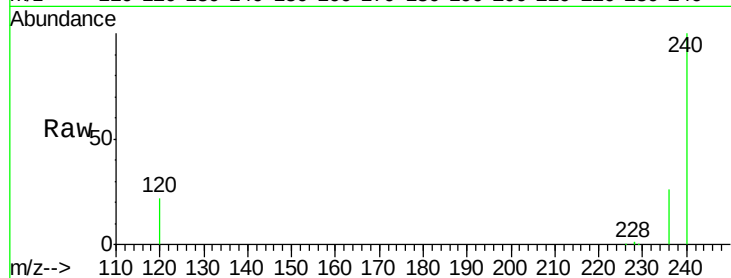
BNA_E

ClientSampleId :

YS19-EB01-101714-SD

Tgt Ion:240 Resp: 64661

Ion	Ratio	Lower	Upper
240	100		
120	22.0	15.1	22.7
236	25.7	20.1	30.1



#18

Terphenyl-d14

Concen: 9.35 ng

RT: 16.11 min Scan# 2748

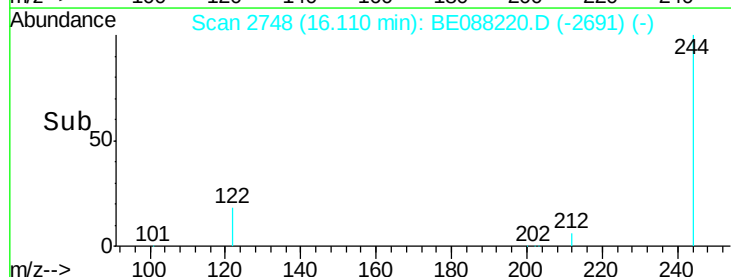
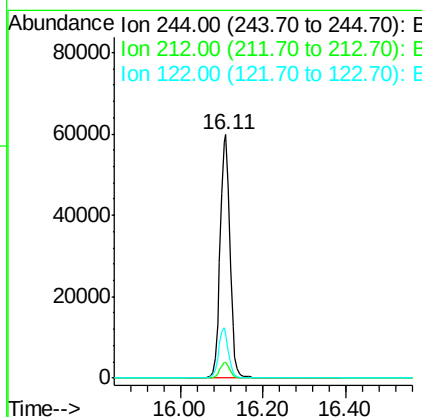
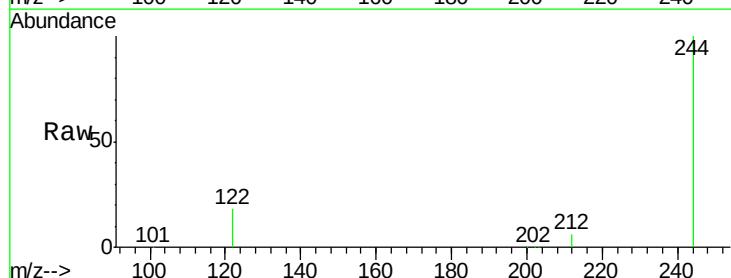
Delta R.T. 0.00 min

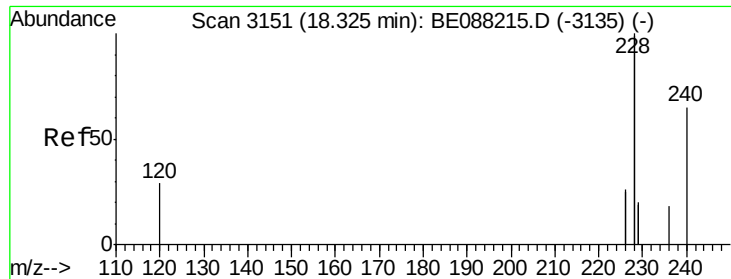
Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

Tgt Ion:244 Resp: 99052

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	18.0	16.7	25.1





#19

Benzo(a)anthracene

Concen: 0.03 ng

RT: 18.34 min Scan# 3154

Delta R.T. 0.01 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101714-SD

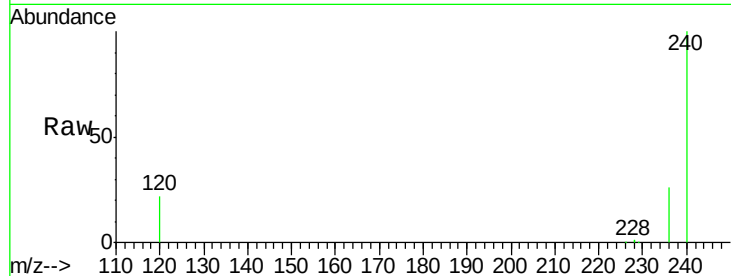
Tgt Ion:228 Resp: 1277

Ion Ratio Lower Upper

228 100

226 35.5 20.5 30.7#

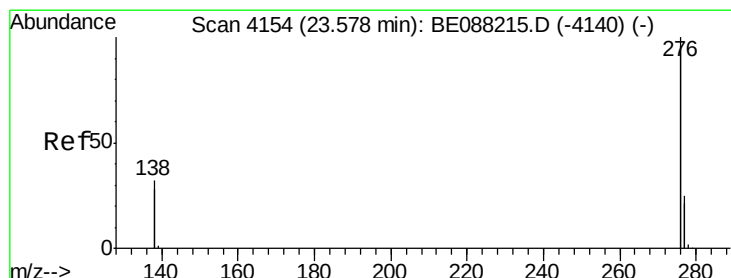
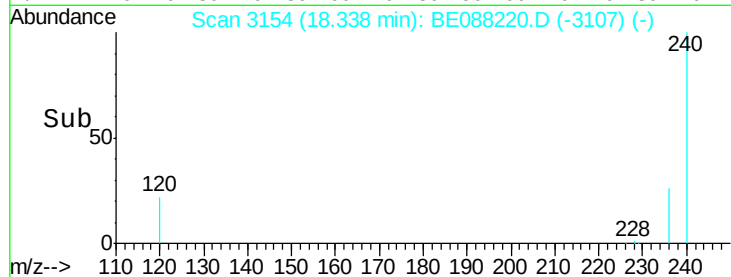
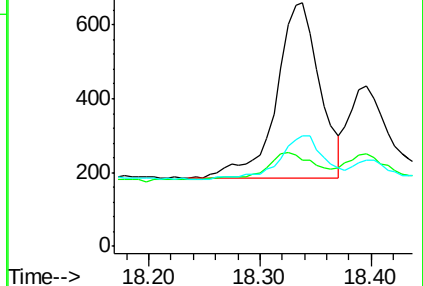
229 45.5 16.1 24.1#



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



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 23.57 min Scan# 4153

Delta R.T. -0.01 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

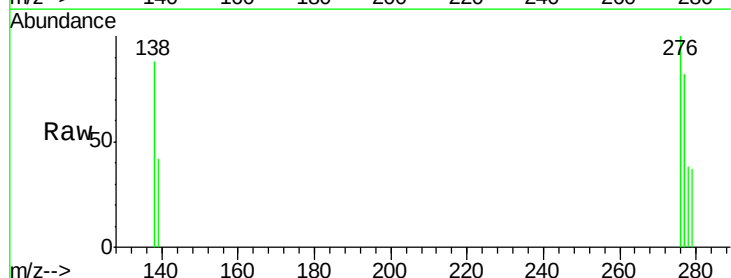
Tgt Ion:276 Resp: 146

Ion Ratio Lower Upper

276 100

138 45.9 13.9 20.9#

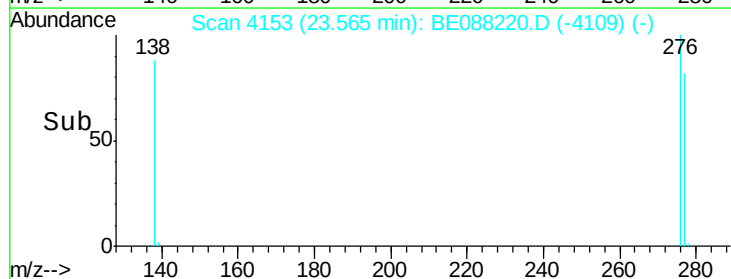
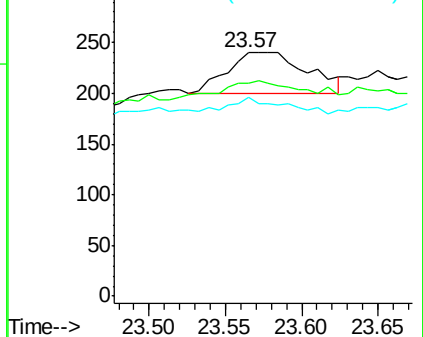
277 26.0 10.7 16.1#

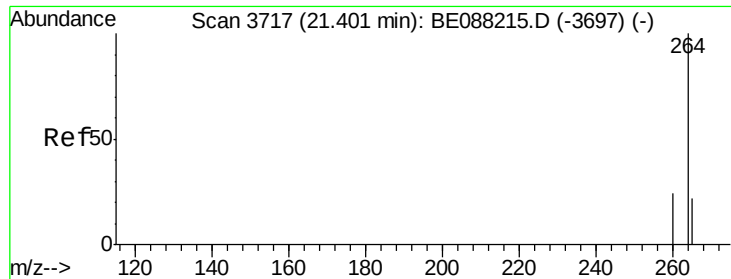


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

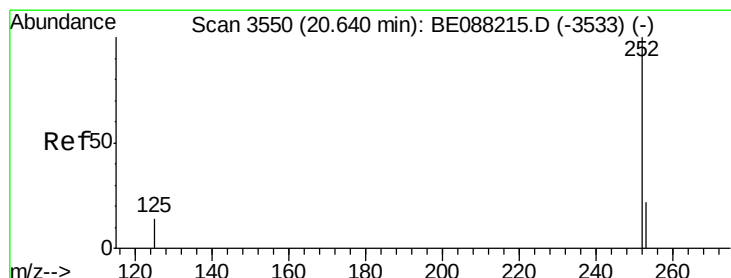
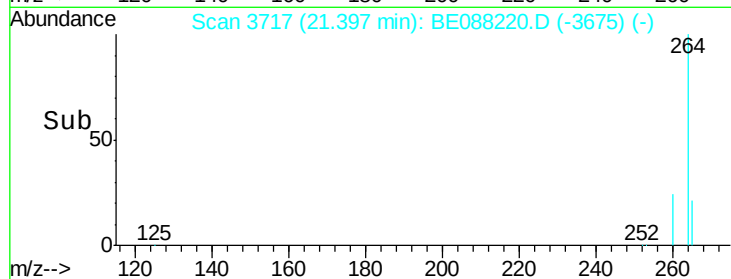
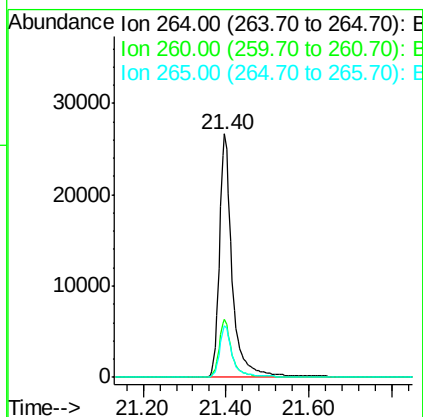
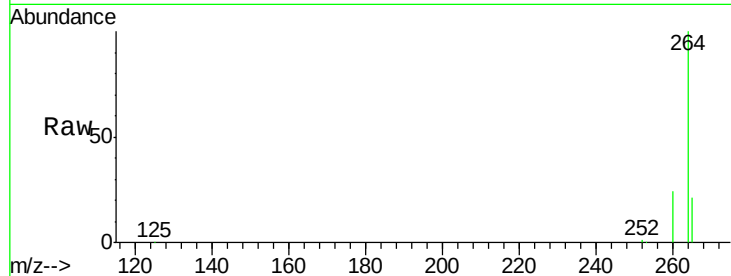




#22
Perylene-d12
 Concen: 5.00 ng
 RT: 21.40 min Scan# 3717
 Delta R.T. -0.00 min
 Lab File: BE088220.D
 Acq: 24 Oct 2014 19:30

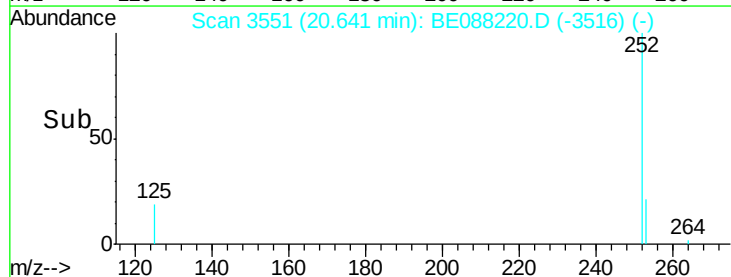
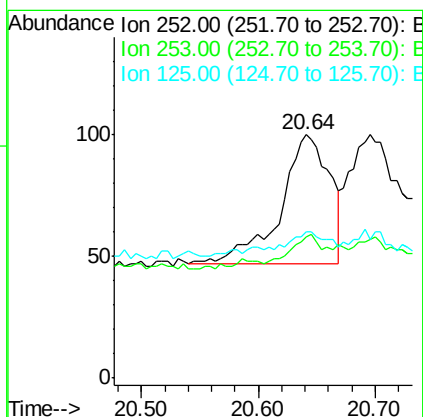
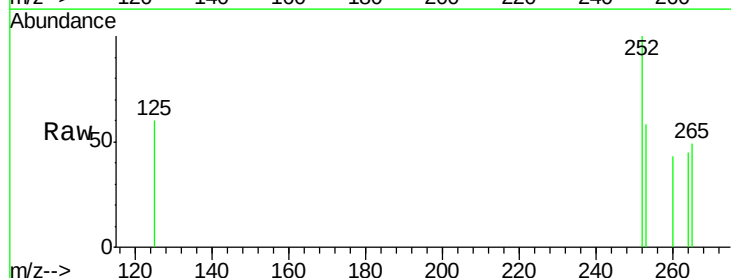
Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101714-SD

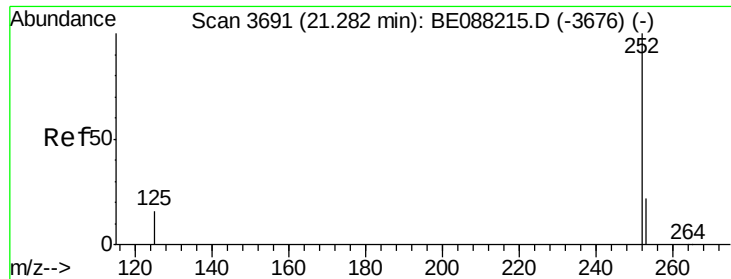
Tgt Ion: 264 Resp: 55946
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.0 28.4
 265 21.4 17.4 26.2



#23
Benzo(b)fluoranthene
 Concen: 0.17 ng
 RT: 20.64 min Scan# 3551
 Delta R.T. 0.00 min
 Lab File: BE088220.D
 Acq: 24 Oct 2014 19:30

Tgt Ion: 252 Resp: 155
 Ion Ratio Lower Upper
 252 100
 253 58.0 17.9 26.9#
 125 60.0 12.2 18.2#





#25

Benzo(a)pyrene

Concen: 0.17 ng

RT: 21.28 min Scan# 3691

Delta R.T. -0.00 min

Lab File: BE088220.D

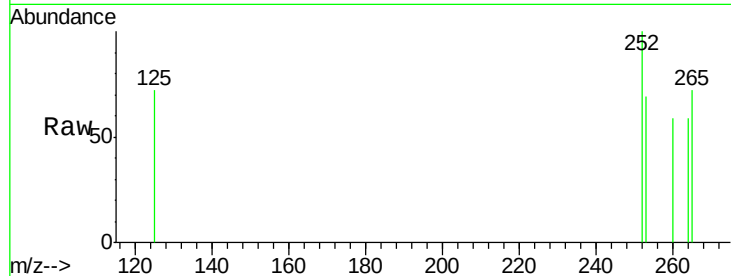
Acq: 24 Oct 2014 19:30

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101714-SD



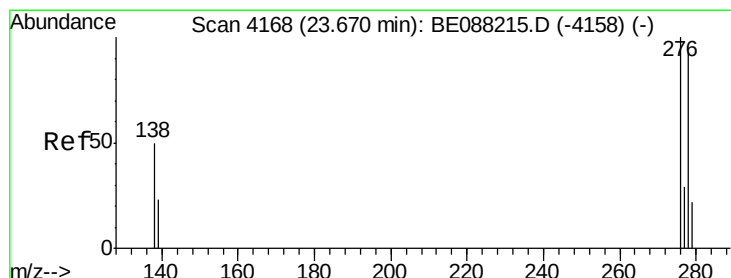
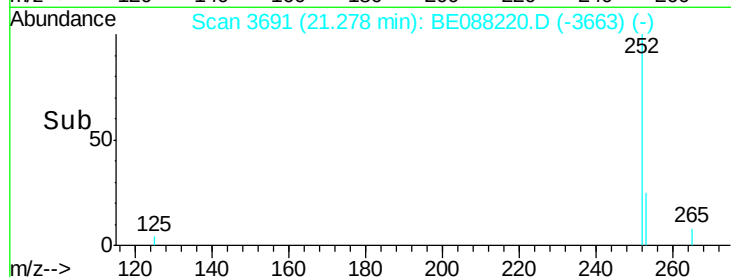
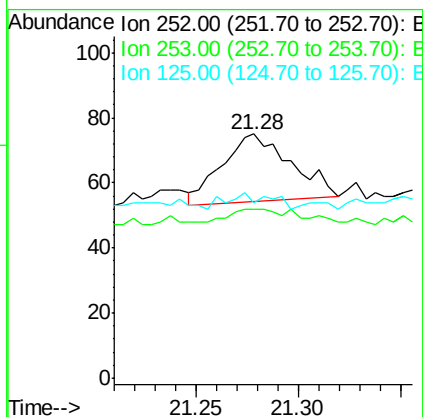
Tgt Ion:252 Resp: 48

Ion Ratio Lower Upper

252 100

253 69.3 17.8 26.8#

125 72.0 13.5 20.3#



#26

Dibenzo(a,h)anthracene

Concen: 0.21 ng

RT: 23.67 min Scan# 4169

Delta R.T. 0.00 min

Lab File: BE088220.D

Acq: 24 Oct 2014 19:30

Tgt Ion:278 Resp: 31

Ion Ratio Lower Upper

278 100

139 91.2 22.1 33.1#

279 82.5 20.2 30.2#

