

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102114\
 Data File : BE088151.D
 Acq On : 21 Oct 2014 20:14
 Operator : TP/JJ
 Sample : F4351-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW08P-1014

Quant Time: Oct 22 05:00:25 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 02:11:14 2014
 Response via : Initial Calibration

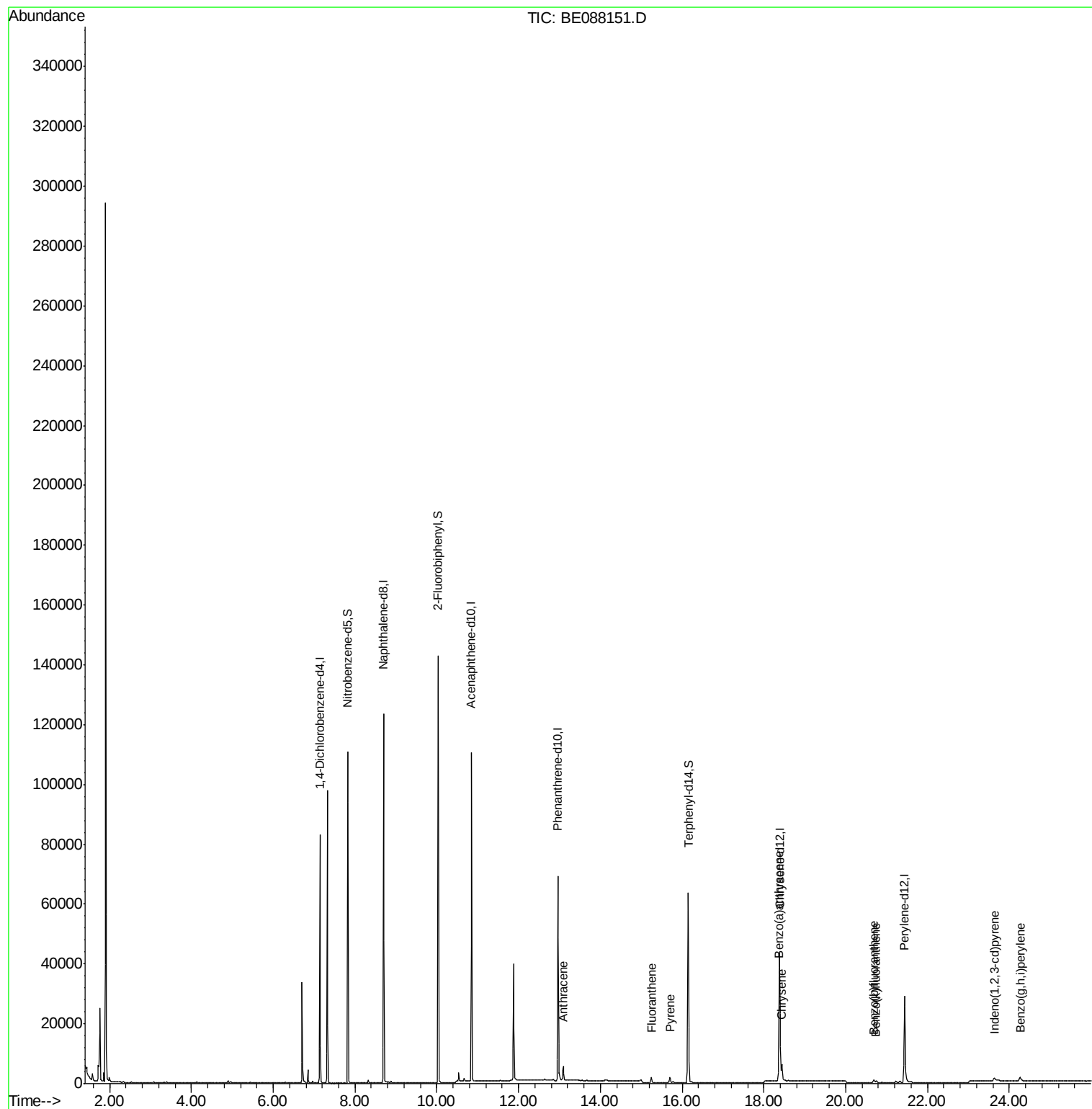
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	23816	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	92228	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	43844	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	81914	5.00	ng	0.00
16) Chrysene-d12	18.38	240	51139	5.00	ng	0.00
22) Perylene-d12	21.44	264	40339	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.83	82	46131	6.94	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	83560	6.90	ng	0.00
18) Terphenyl-d14	16.15	244	81213	9.87	ng	0.00
Target Compounds						Qvalue
14) Anthracene	13.09	178	5301	0.08	ng	96
15) Fluoranthene	15.25	202	1860	0.12	ng	100
17) Pyrene	15.70	202	2002	0.14	ng	99
19) Benzo(a)anthracene	18.36	228	5449	0.12	ng	# 90
20) Chrysene	18.44	228	8166	0.18	ng	# 91
21) Indeno(1,2,3-cd)pyrene	23.63	276	3198	0.06	ng	98
23) Benzo(b)fluoranthene	20.69	252	1737	0.18	ng	# 82
24) Benzo(k)fluoranthene	20.74	252	1076	0.10	ng	# 74
27) Benzo(g,h,i)perylene	24.26	276	3135	0.08	ng	# 68

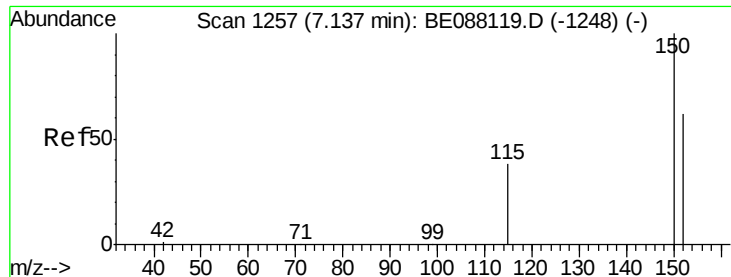
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
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QLast Update : Tue Oct 21 02:11:14 2014
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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: BE088151.D

Acq: 21 Oct 2014 20:14

Instrument :

BNA_E

ClientSampleId :

YS19-SW08P-1014

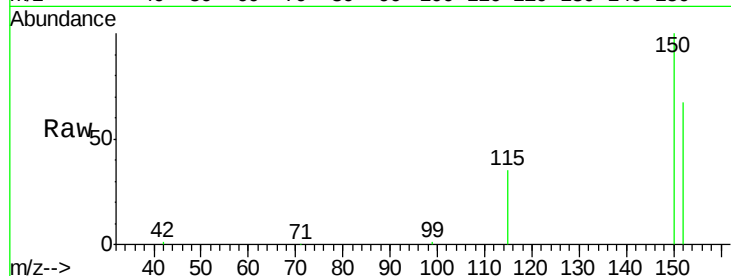
Tgt Ion:152 Resp: 23816

Ion Ratio Lower Upper

152 100

150 148.2 129.2 193.8

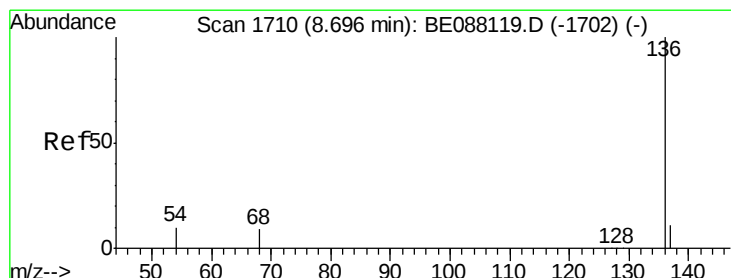
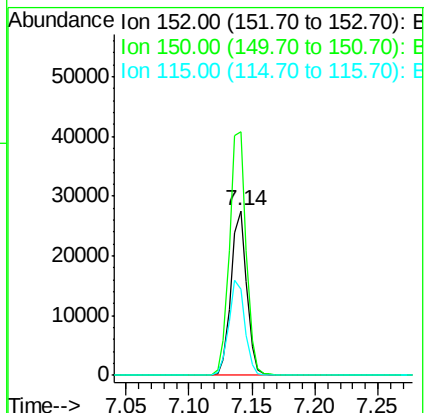
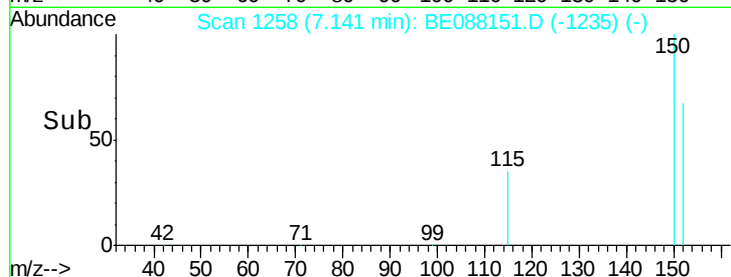
115 52.6 49.3 73.9



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



#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.70 min Scan# 1711

Delta R.T. 0.01 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

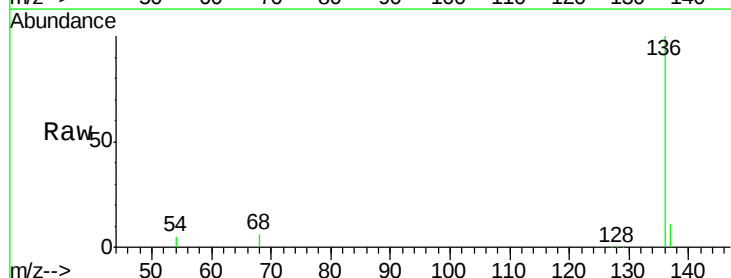
Tgt Ion:136 Resp: 92228

Ion Ratio Lower Upper

136 100

137 11.2 8.6 12.8

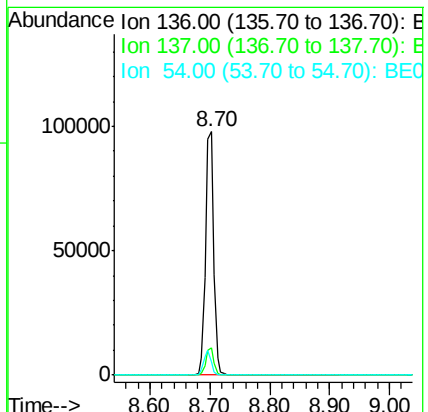
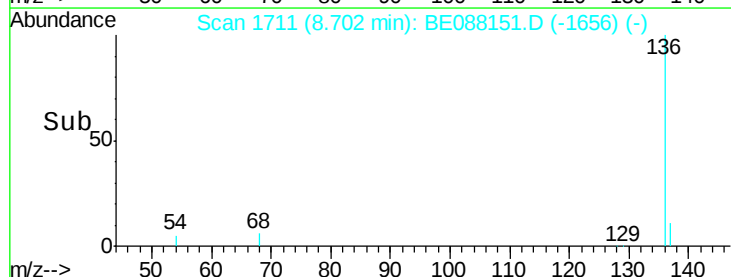
54 5.5 7.7 11.5#

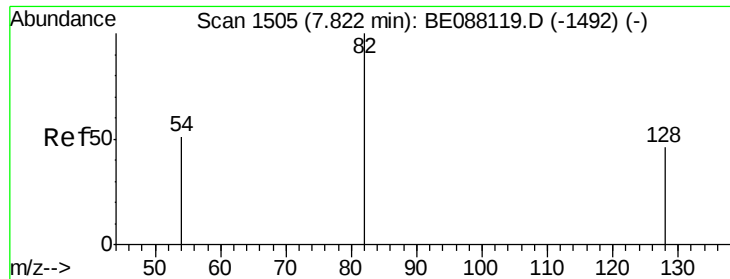


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 6.94 ng

RT: 7.83 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

Instrument :

BNA_E

ClientSampleId :

YS19-SW08P-1014

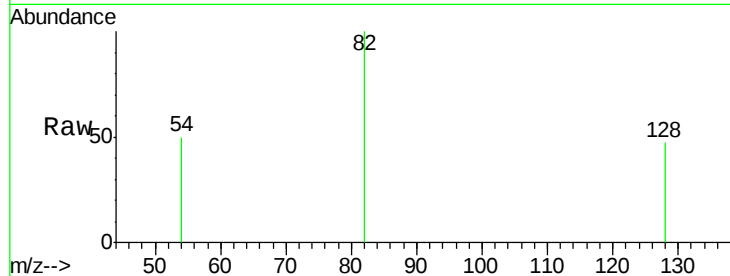
Tgt Ion: 82 Resp: 46131

Ion Ratio Lower Upper

82 100

128 47.1 37.1 55.7

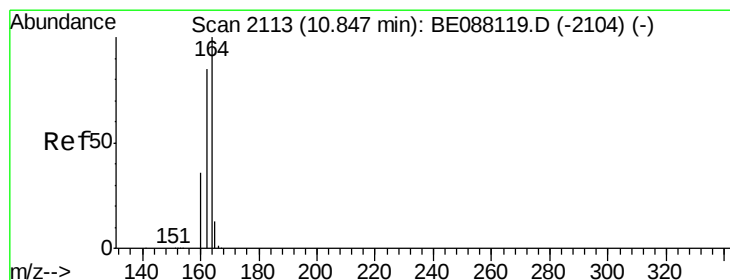
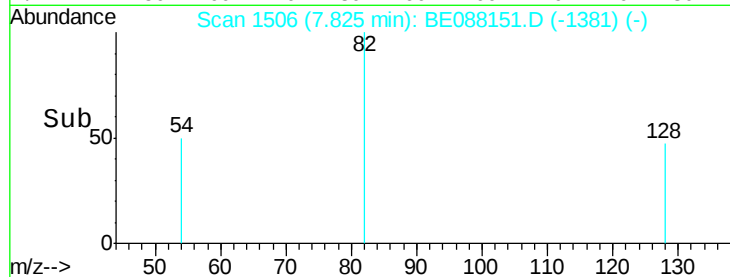
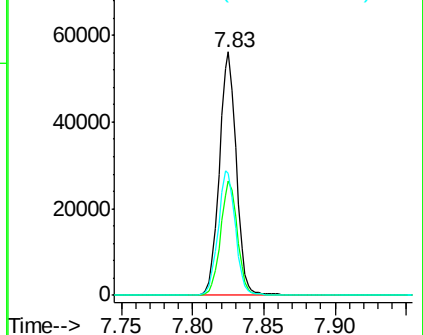
54 50.4 41.1 61.7



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

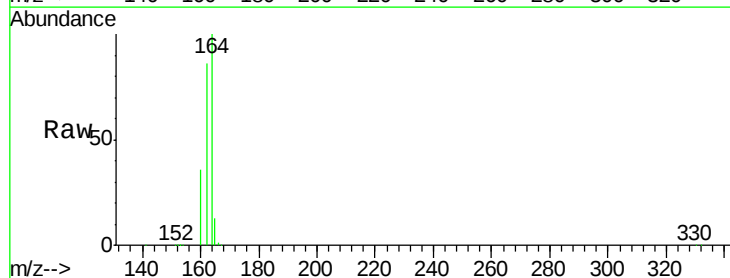
Tgt Ion: 164 Resp: 43844

Ion Ratio Lower Upper

164 100

162 86.4 68.3 102.5

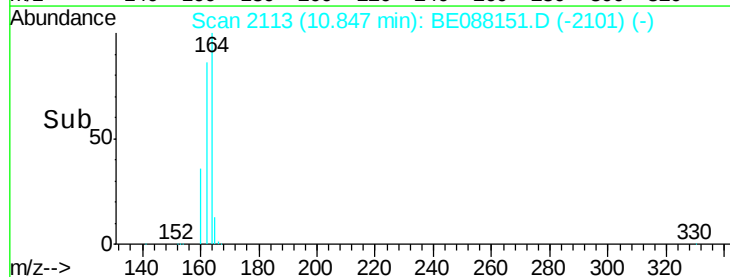
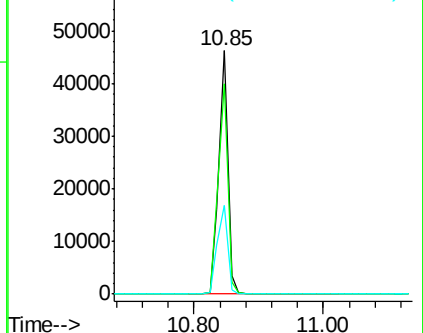
160 36.5 28.7 43.1

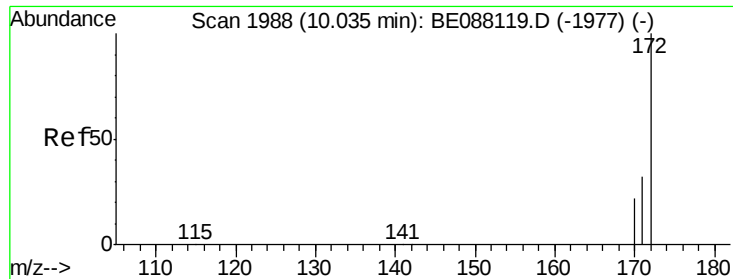


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#8

2-Fluorobiphenyl

Concen: 6.90 ng

RT: 10.03 min Scan# 1988

Delta R.T. -0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

Instrument :

BNA_E

ClientSampleId :

YS19-SW08P-1014

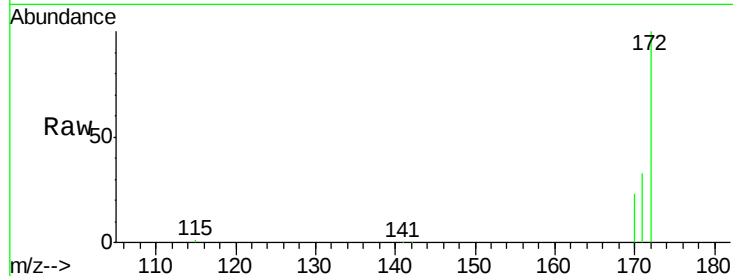
Tgt Ion:172 Resp: 83560

Ion Ratio Lower Upper

172 100

171 33.2 25.4 38.2

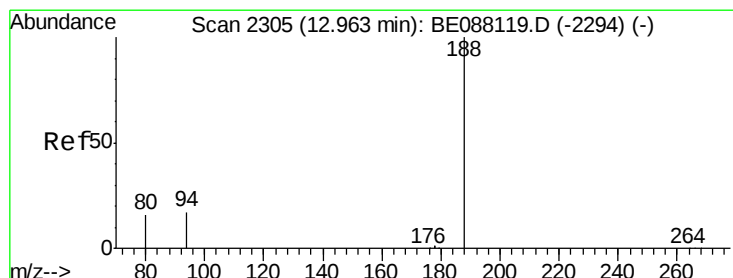
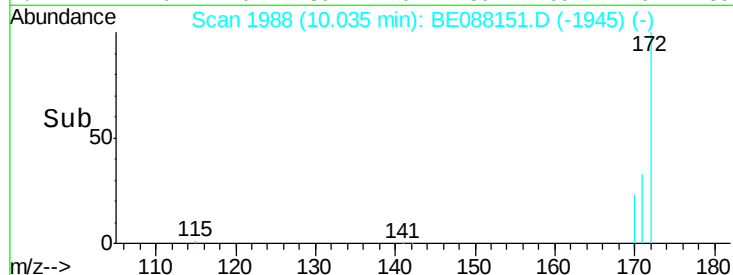
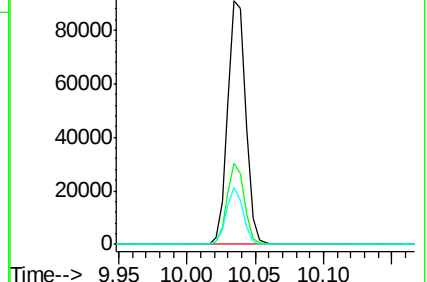
170 23.4 17.4 26.2



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



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.96 min Scan# 2305

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

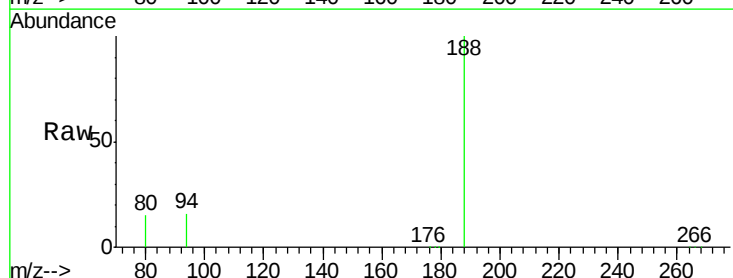
Tgt Ion:188 Resp: 81914

Ion Ratio Lower Upper

188 100

94 16.5 13.9 20.9

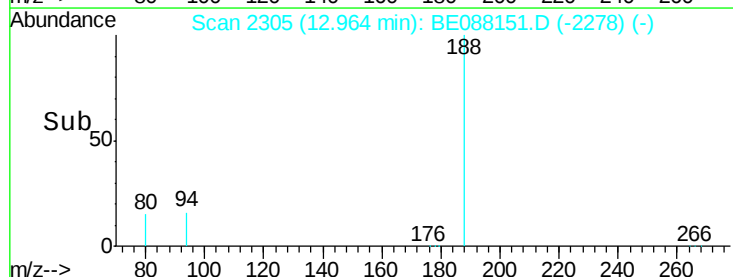
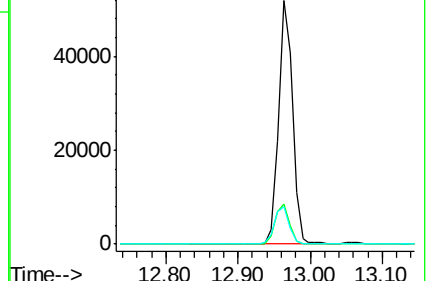
80 15.4 12.9 19.3

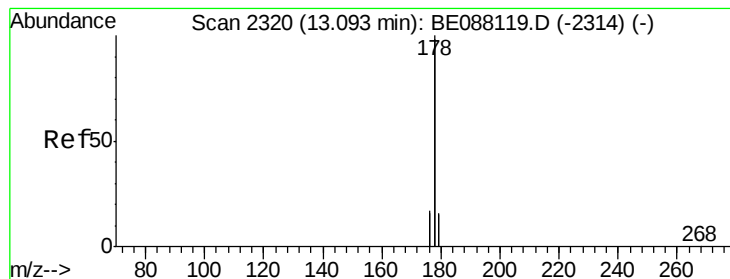


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#14

Anthracene

Concen: 0.08 ng

RT: 13.09 min Scan# 2320

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

Instrument :

BNA_E

ClientSampleId :

YS19-SW08P-1014

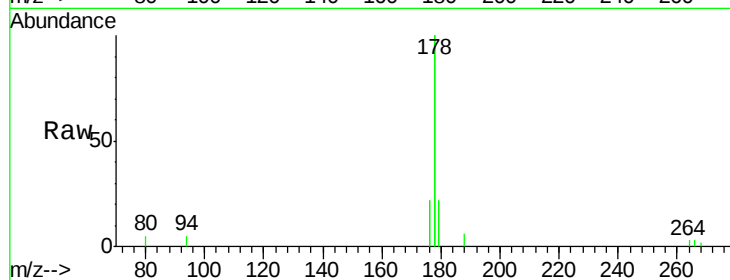
Tgt Ion:178 Resp: 5301

Ion Ratio Lower Upper

178 100

176 20.5 14.6 21.8

179 16.8 12.5 18.7

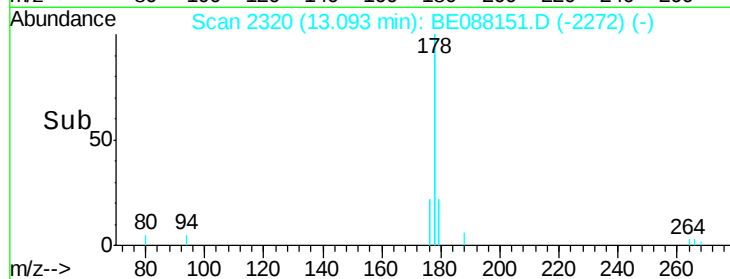


Abundance Ion 178.00 (177.70 to 178.70): E

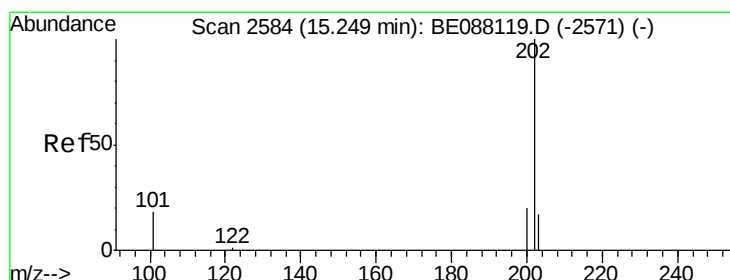
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

13.09



Time-->



#15

Fluoranthene

Concen: 0.12 ng

RT: 15.25 min Scan# 2584

Delta R.T. -0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

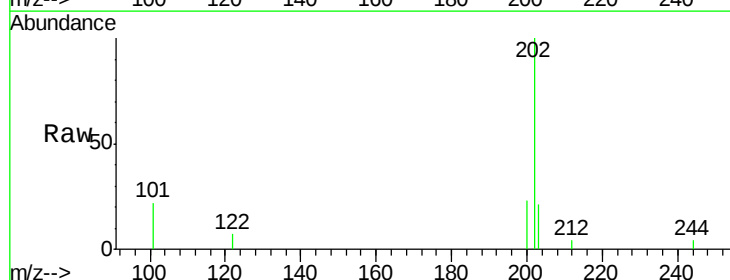
Tgt Ion:202 Resp: 1860

Ion Ratio Lower Upper

202 100

101 18.4 14.8 22.2

203 16.9 13.5 20.3

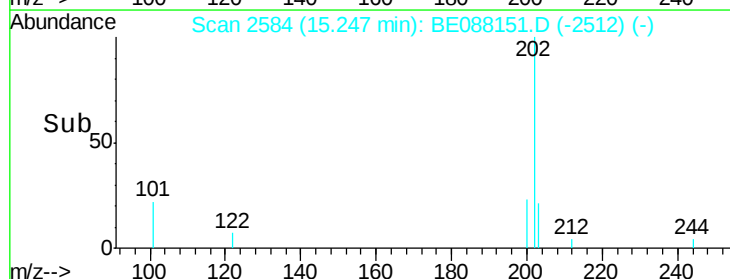


Abundance Ion 202.00 (201.70 to 202.70): E

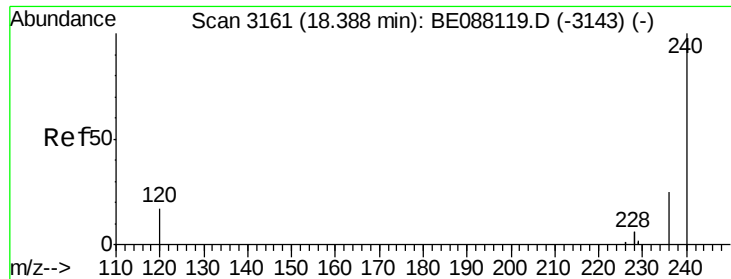
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

15.25



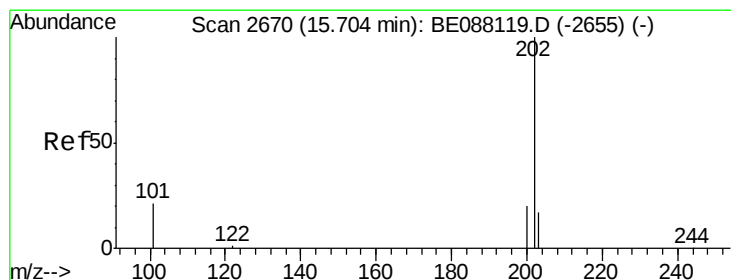
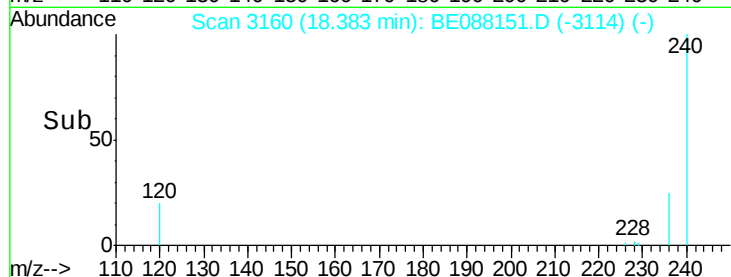
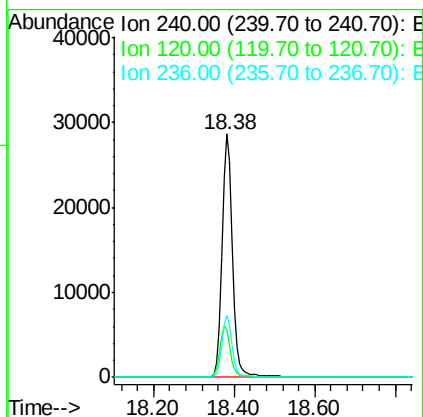
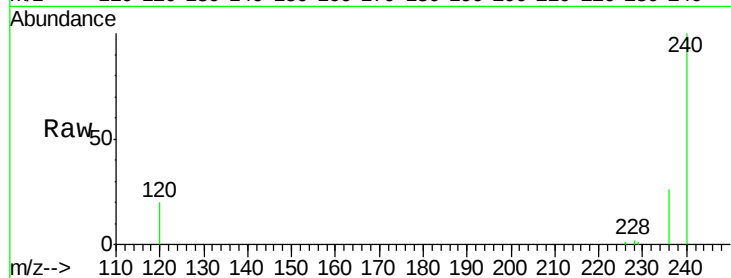
Time-->



#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.38 min Scan# 3160
Delta R.T. -0.01 min
Lab File: BE088151.D
Acq: 21 Oct 2014 20:14

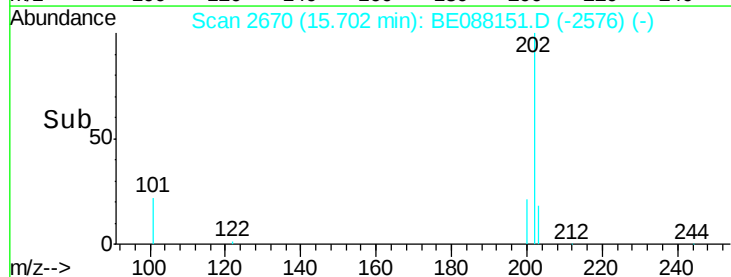
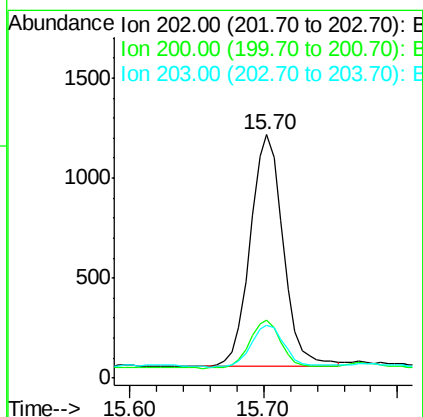
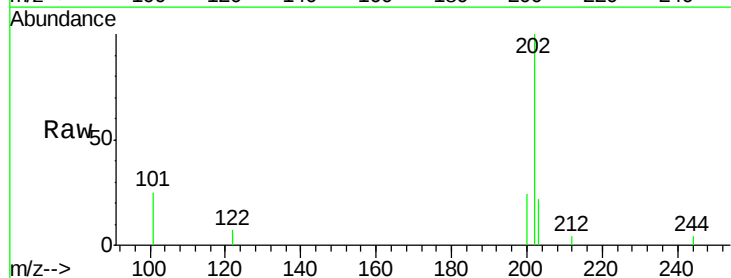
Instrument :
BNA_E
ClientSampleId :
YS19-SW08P-1014

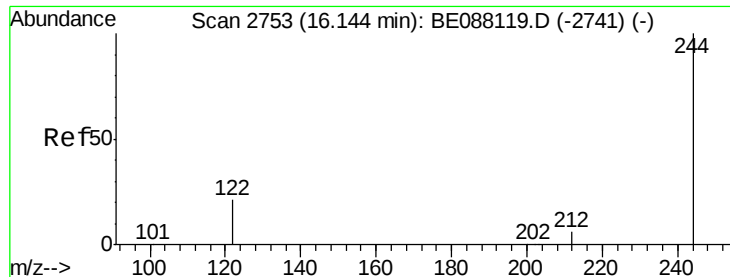
Tgt Ion:240 Resp: 51139
Ion Ratio Lower Upper
240 100
120 19.9 13.9 20.9
236 25.5 19.9 29.9



#17
Pyrene
Concen: 0.14 ng
RT: 15.70 min Scan# 2670
Delta R.T. -0.00 min
Lab File: BE088151.D
Acq: 21 Oct 2014 20:14

Tgt Ion:202 Resp: 2002
Ion Ratio Lower Upper
202 100
200 20.0 16.1 24.1
203 18.2 13.9 20.9





#18

Terphenyl-d14

Concen: 9.87 ng

RT: 16.15 min Scan# 2754

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

Instrument :

BNA_E

ClientSampleId :

YS19-SW08P-1014

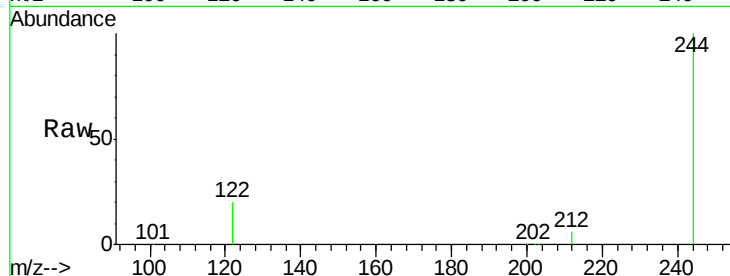
Tgt Ion:244 Resp: 81213

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

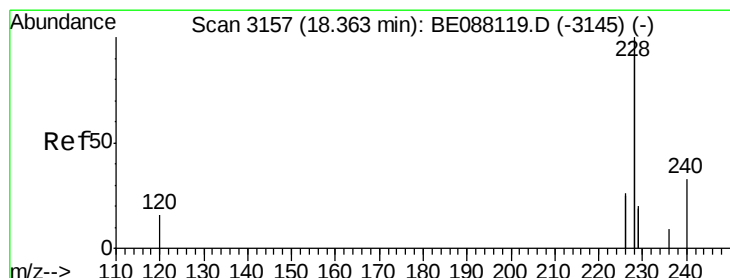
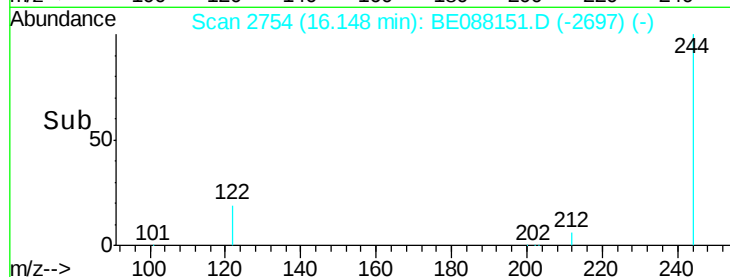
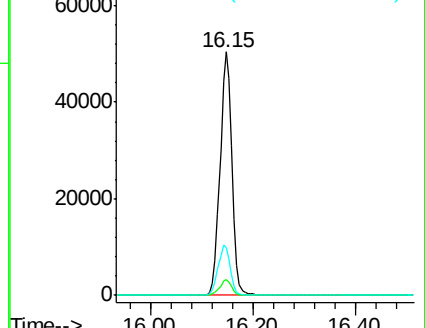
122 19.6 17.5 26.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#19

Benzo(a)anthracene

Concen: 0.12 ng

RT: 18.36 min Scan# 3157

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

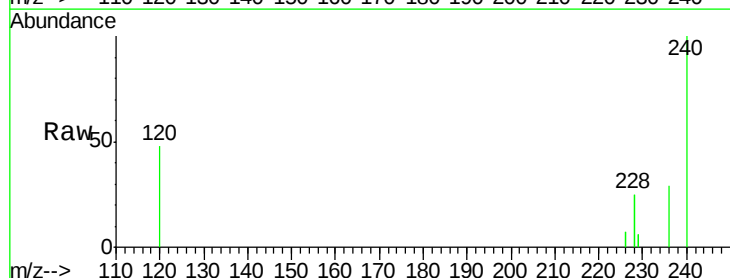
Tgt Ion:228 Resp: 5449

Ion Ratio Lower Upper

228 100

226 29.6 20.8 31.2

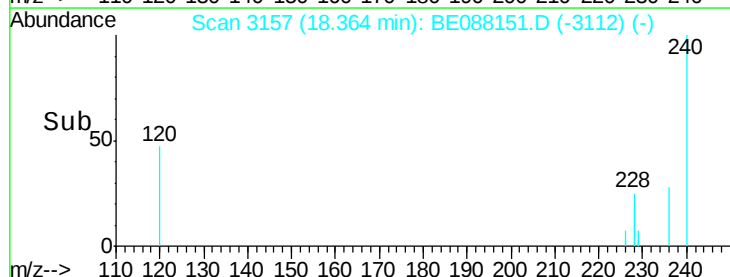
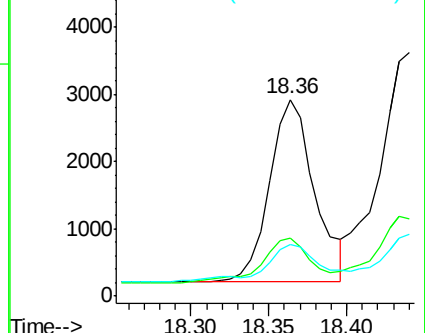
229 26.0 15.6 23.4#

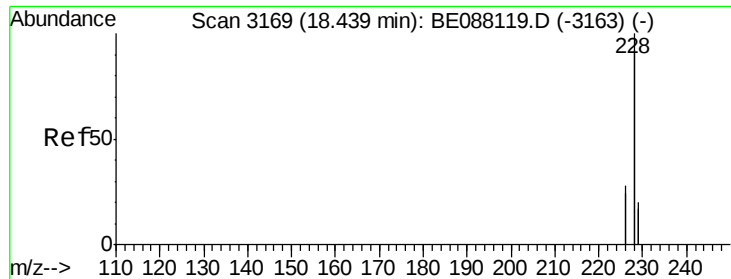


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.18 ng

RT: 18.44 min Scan# 3169

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

Instrument :

BNA_E

ClientSampleId :

YS19-SW08P-1014

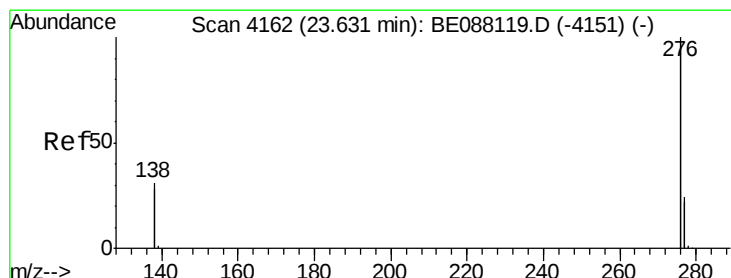
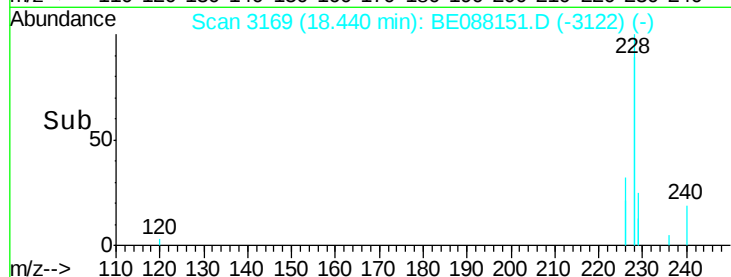
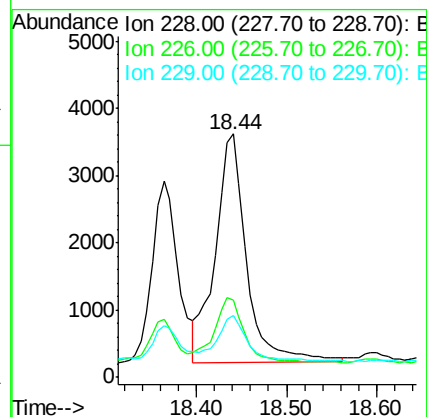
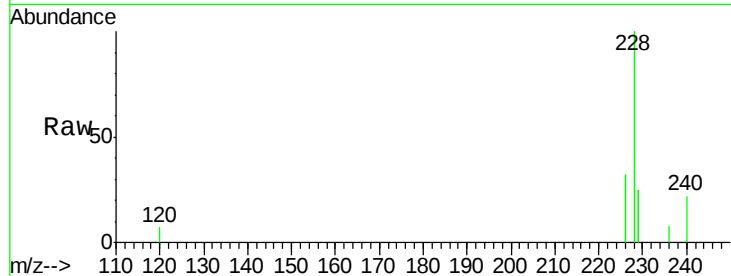
Tgt Ion:228 Resp: 8166

Ion Ratio Lower Upper

228 100

226 31.8 22.7 34.1

229 25.2 15.8 23.6#



#21

Indeno(1,2,3-cd)pyrene

Concen: 0.06 ng

RT: 23.63 min Scan# 4162

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

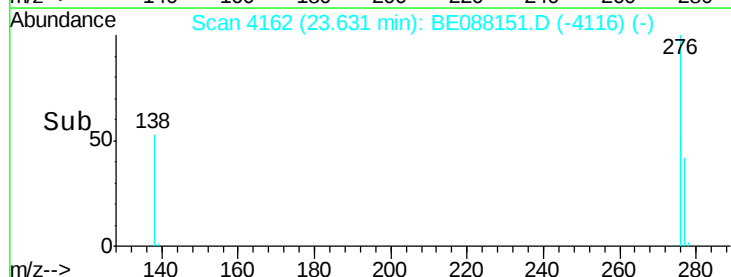
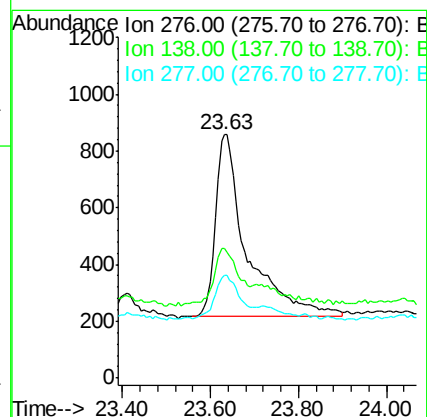
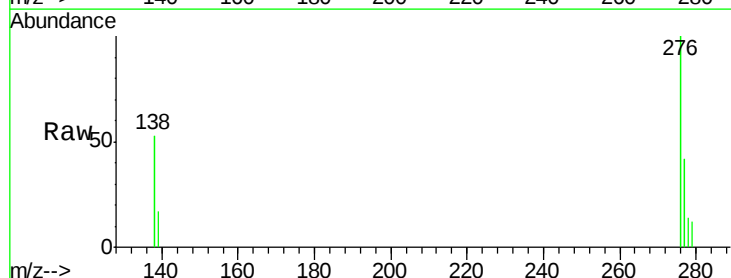
Tgt Ion:276 Resp: 3198

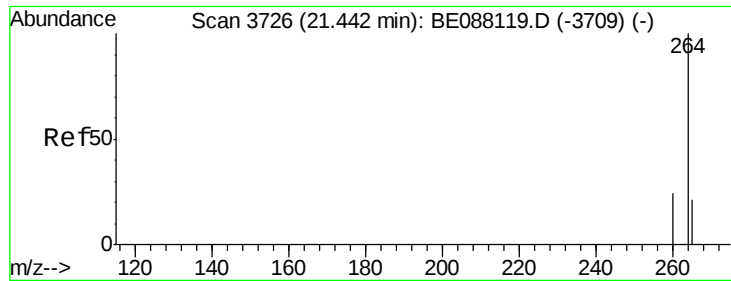
Ion Ratio Lower Upper

276 100

138 24.4 18.5 27.7

277 19.1 14.6 21.8

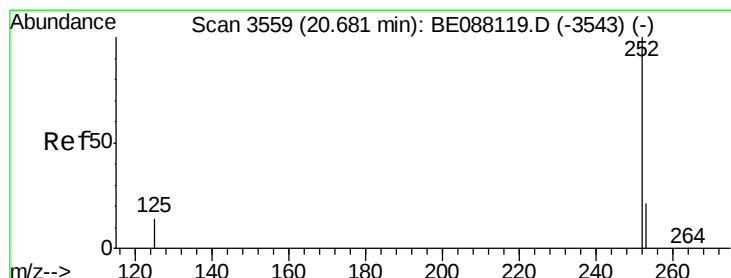
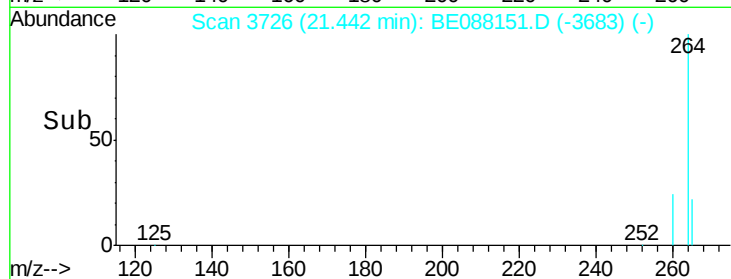
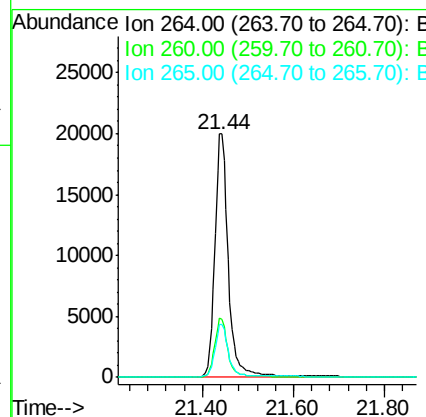
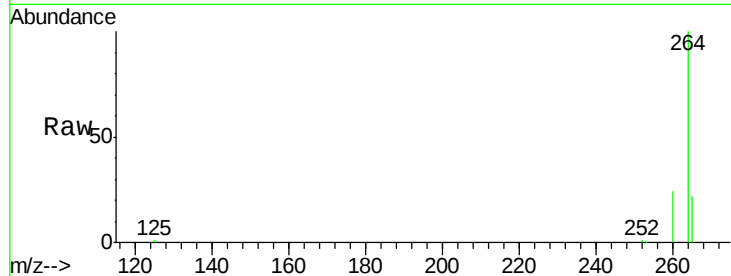




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. 0.00 min
 Lab File: BE088151.D
 Acq: 21 Oct 2014 20:14

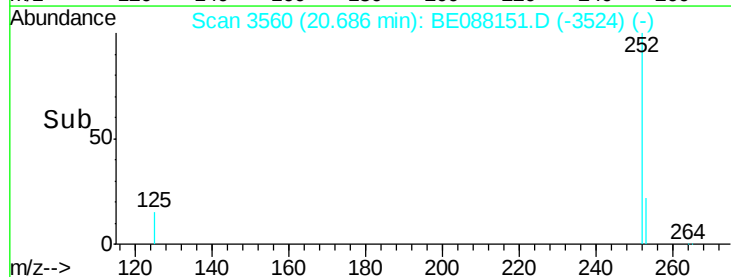
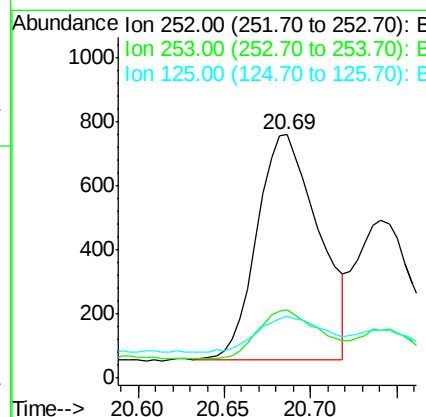
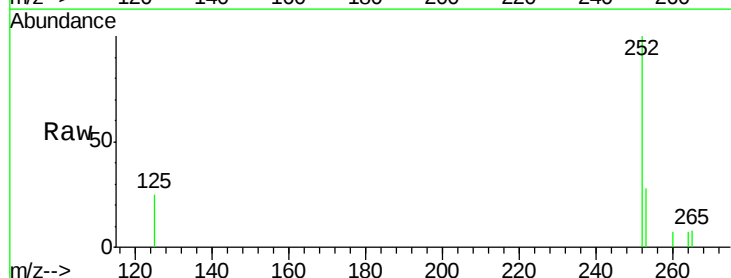
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW08P-1014

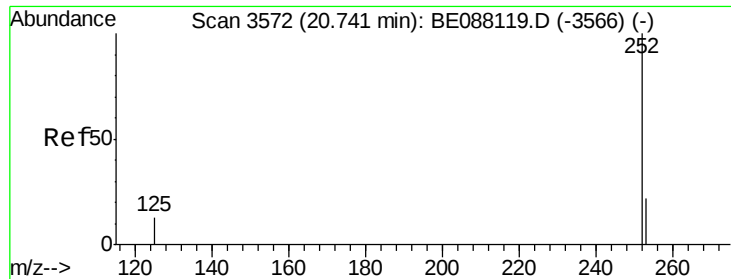
Tgt Ion:264 Resp: 40339
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.0 28.4
 265 21.9 17.2 25.8



#23
 Benzo(b)fluoranthene
 Concen: 0.18 ng
 RT: 20.69 min Scan# 3560
 Delta R.T. 0.00 min
 Lab File: BE088151.D
 Acq: 21 Oct 2014 20:14

Tgt Ion:252 Resp: 1737
 Ion Ratio Lower Upper
 252 100
 253 28.0 17.4 26.0#
 125 25.1 11.8 17.8#





#24

Benzo(k)fluoranthene

Concen: 0.10 ng

RT: 20.74 min Scan# 3572

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

Instrument :

BNA_E

ClientSampleId :

YS19-SW08P-1014

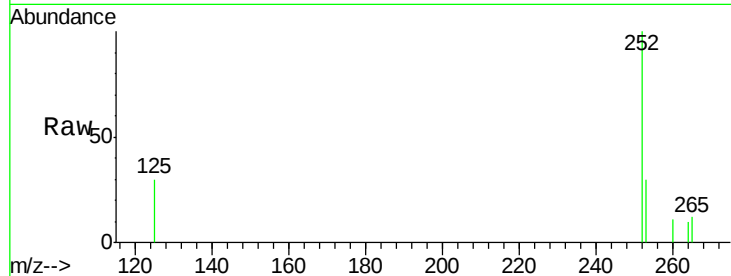
Tgt Ion:252 Resp: 1076

Ion Ratio Lower Upper

252 100

253 30.5 17.6 26.4#

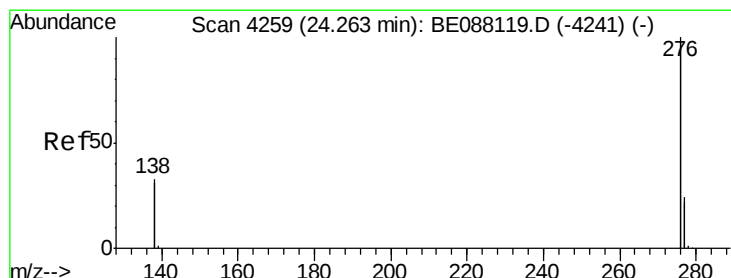
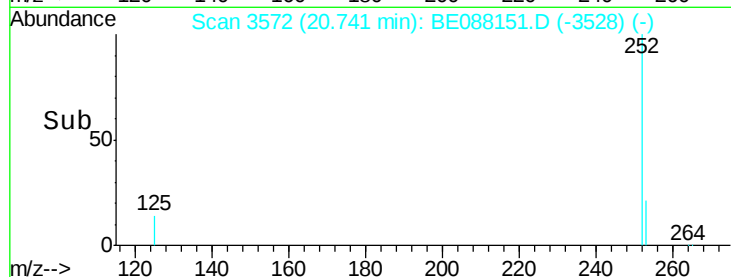
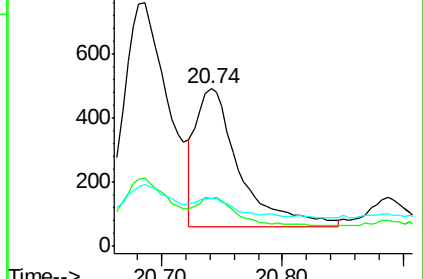
125 30.1 11.5 17.3#



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



#27

Benzo(g,h,i)perylene

Concen: 0.08 ng

RT: 24.26 min Scan# 4259

Delta R.T. 0.00 min

Lab File: BE088151.D

Acq: 21 Oct 2014 20:14

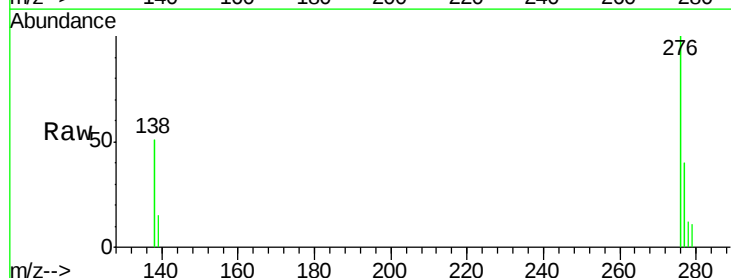
Tgt Ion:276 Resp: 3135

Ion Ratio Lower Upper

276 100

277 40.5 19.2 28.8#

138 50.9 26.6 40.0#



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

