

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088434.D
 Acq On : 31 Oct 2014 22:38
 Operator : TP/JJ
 Sample : F4351-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW04-1014

Quant Time: Nov 01 03:14:04 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:42:07 2014
 Response via : Initial Calibration

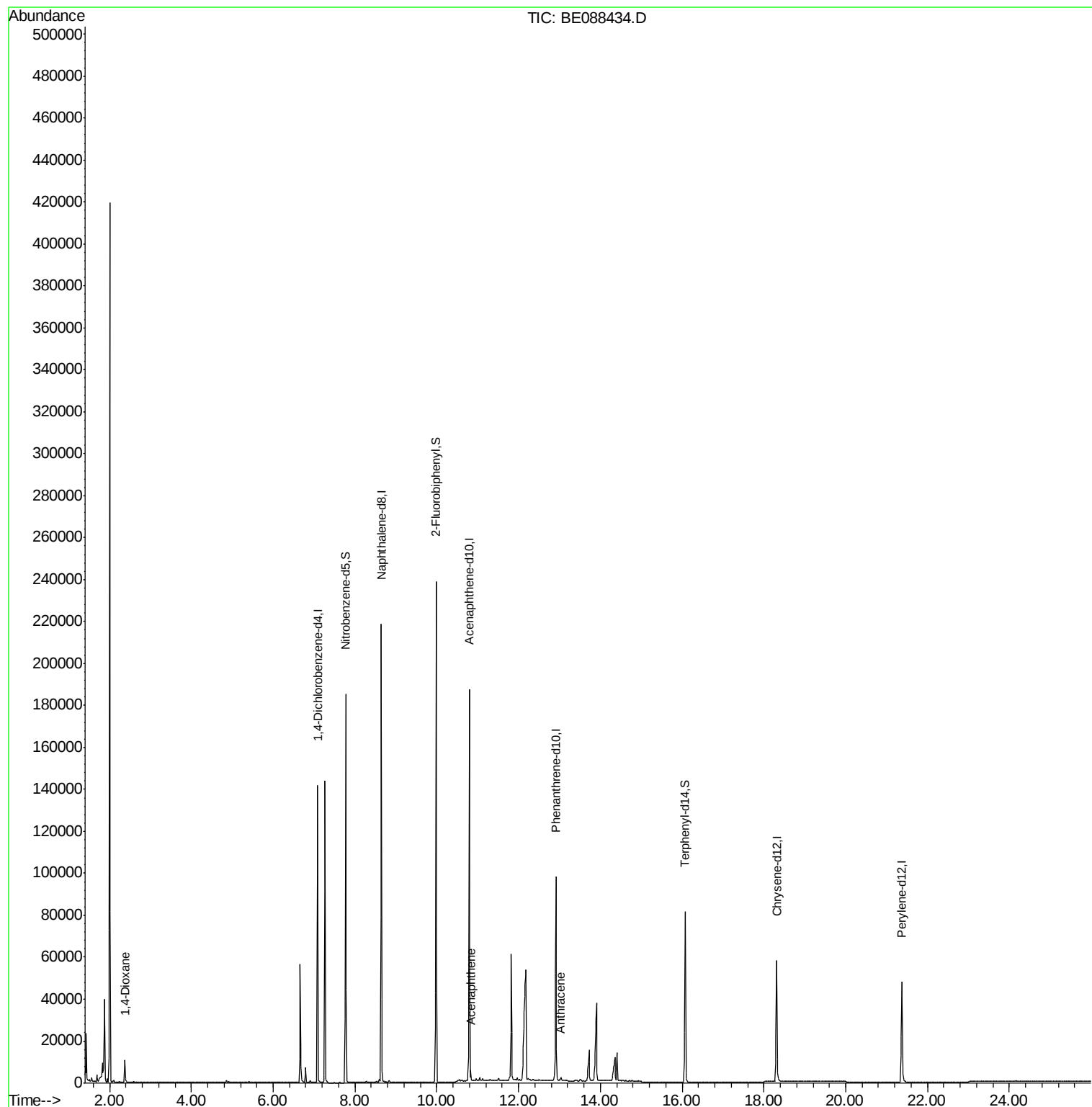
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	49192	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	183672	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	77813	5.00	ng	0.00
12) Phenanthrene-d10	12.91	188	130078	5.00	ng	0.00
16) Chrysene-d12	18.31	240	70783	5.00	ng	0.00
22) Perylene-d12	21.37	264	66005	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	94926	7.05	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	160540	7.32	ng	0.00
18) Terphenyl-d14	16.07	244	105956	8.15	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	5832	0.91	ng	# 85
10) Acenaphthene	10.82	154	1065	0.06	ng	# 67
14) Anthracene	13.04	178	1933	0.02	ng	# 76

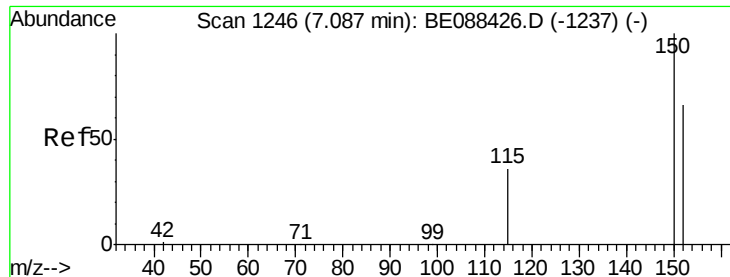
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. 0.00 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

Instrument :

BNA_E

ClientSampleId :

YS19-SW04-1014

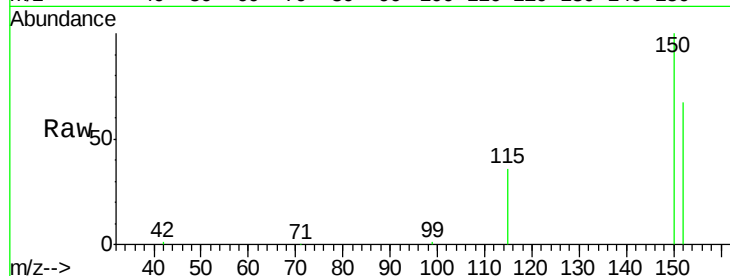
Tgt Ion: 152 Resp: 49192

Ion Ratio Lower Upper

152 100

150 149.2 121.8 182.8

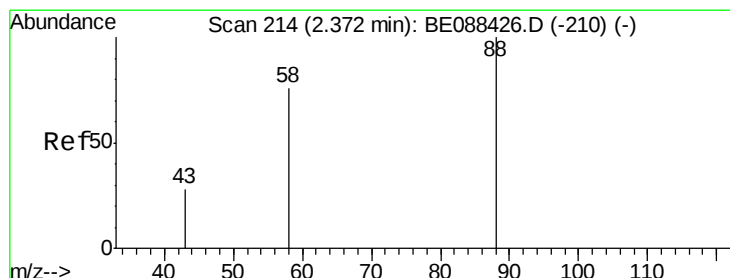
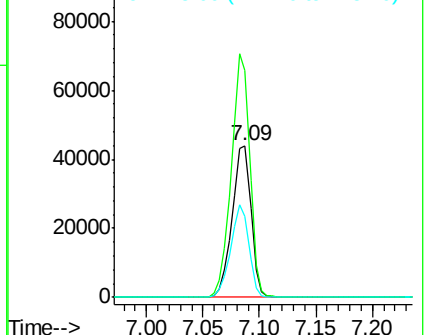
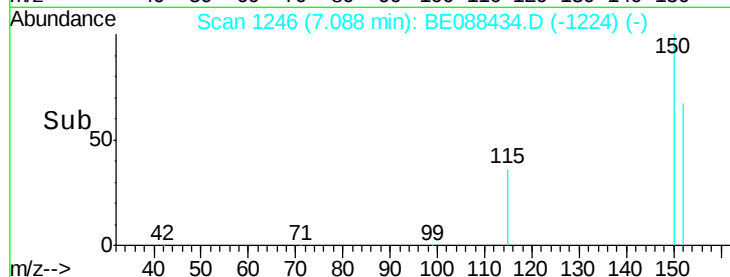
115 53.2 43.9 65.9



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: 0.91 ng

RT: 2.37 min Scan# 214

Delta R.T. -0.00 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

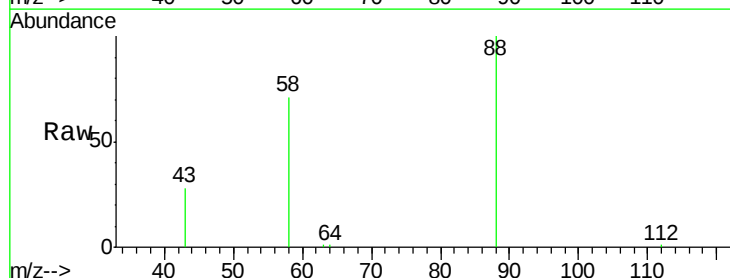
Tgt Ion: 88 Resp: 5832

Ion Ratio Lower Upper

88 100

58 73.6 59.1 88.7

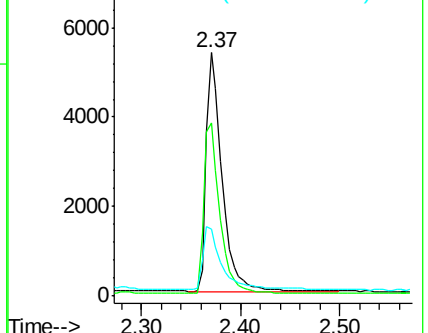
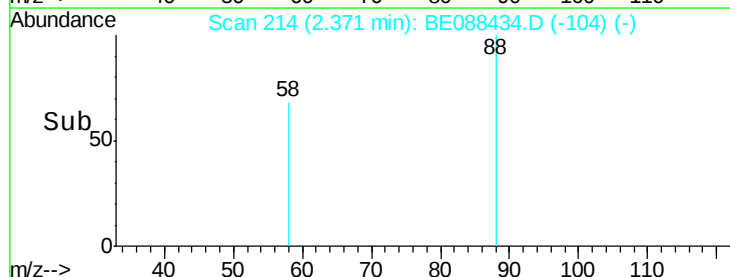
43 0.0 21.9 32.9#

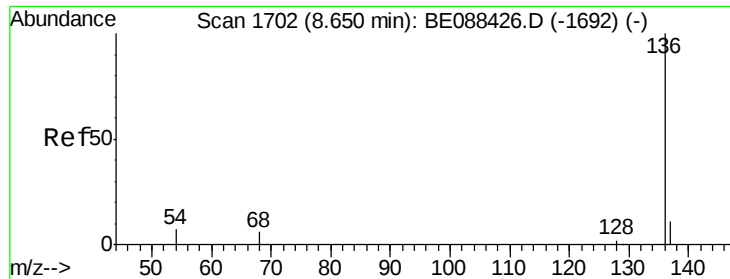


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

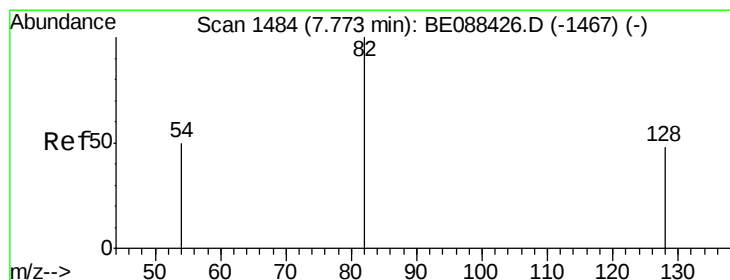
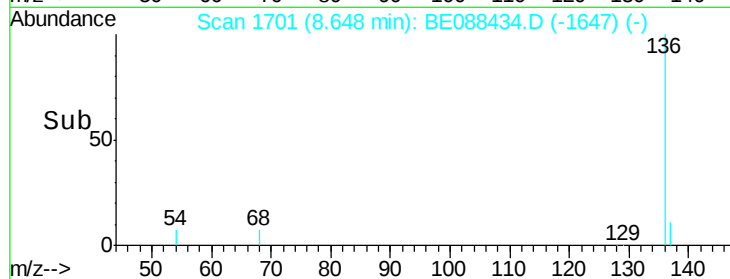
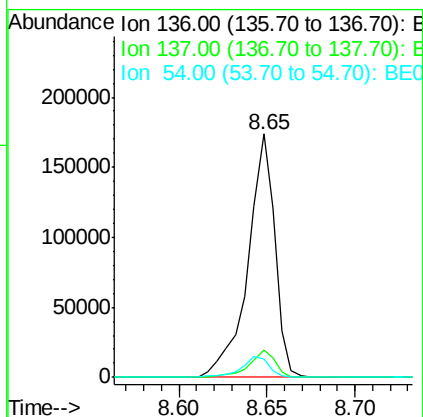
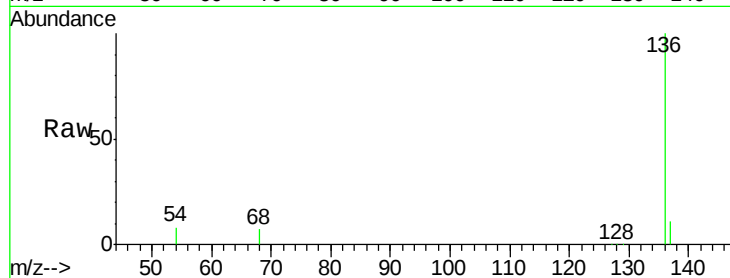




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1701
Delta R.T. -0.00 min
Lab File: BE088434.D
Acq: 31 Oct 2014 22:38

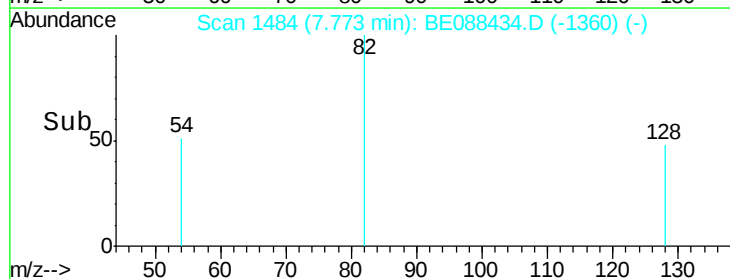
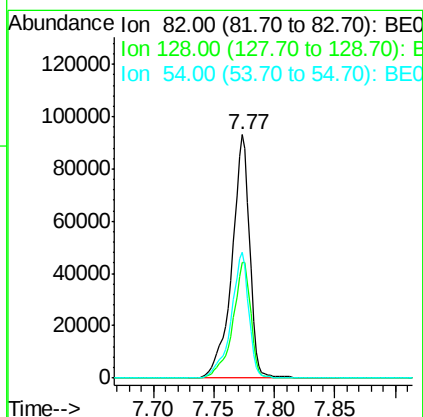
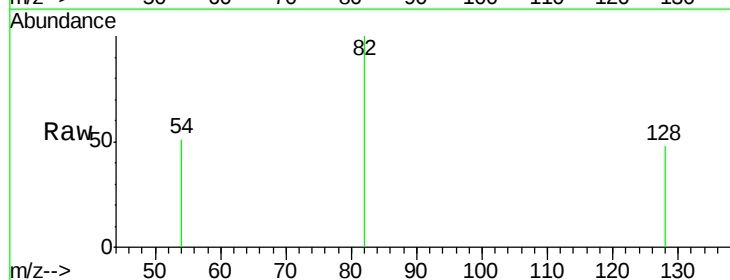
Instrument :
BNA_E
ClientSampleId :
YS19-SW04-1014

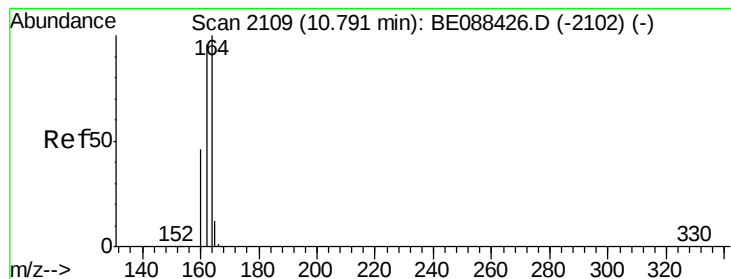
Tgt Ion: 136 Resp: 183672
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.5 5.3 7.9



#4
Nitrobenzene-d5
Concen: 7.05 ng
RT: 7.77 min Scan# 1484
Delta R.T. 0.00 min
Lab File: BE088434.D
Acq: 31 Oct 2014 22:38

Tgt Ion: 82 Resp: 94926
Ion Ratio Lower Upper
82 100
128 47.7 38.4 57.6
54 51.5 40.2 60.2





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

Instrument :

BNA_E

ClientSampleId :

YS19-SW04-1014

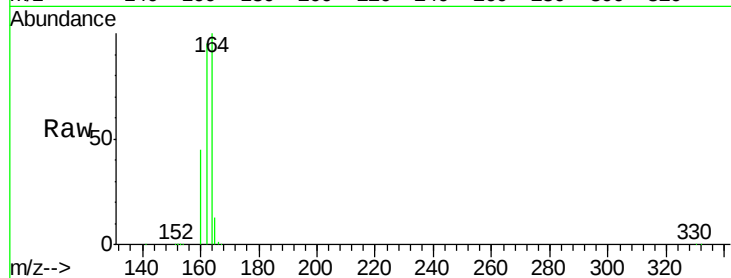
Tgt Ion:164 Resp: 77813

Ion Ratio Lower Upper

164 100

162 95.1 77.0 115.4

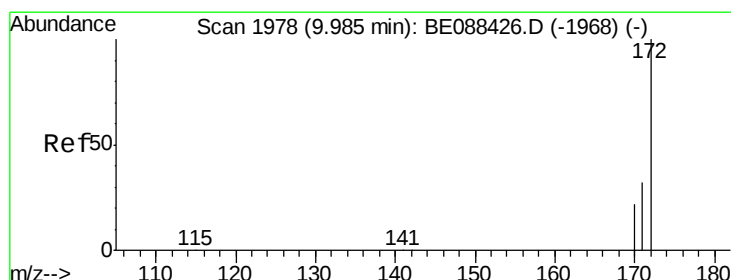
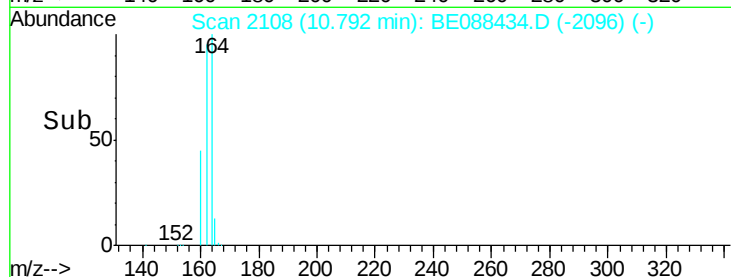
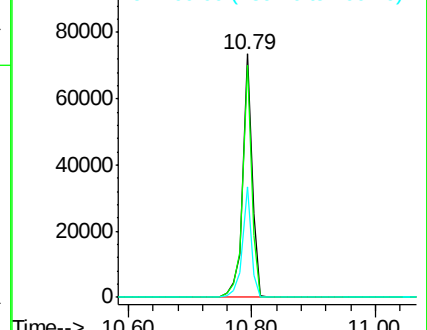
160 45.2 36.8 55.2



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: 7.32 ng

RT: 9.99 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

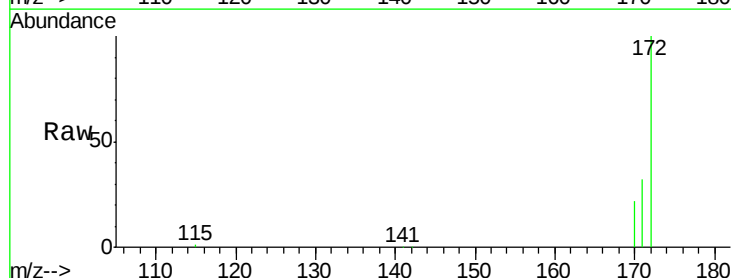
Tgt Ion:172 Resp: 160540

Ion Ratio Lower Upper

172 100

171 32.3 26.0 39.0

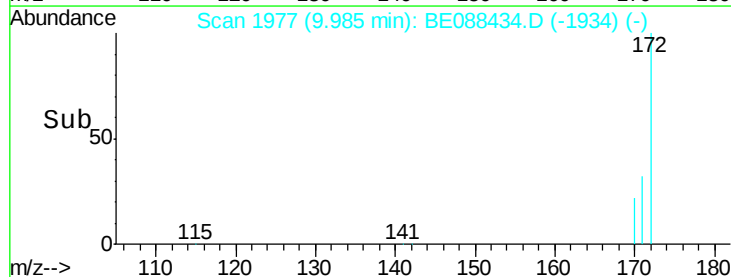
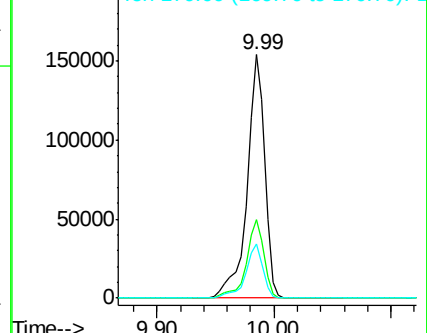
170 22.4 17.6 26.4

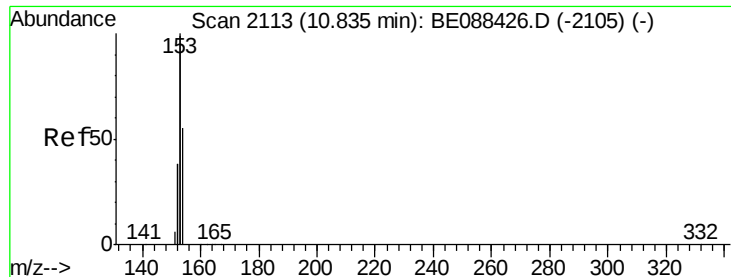


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#10

Acenaphthene

Concen: 0.06 ng

RT: 10.82 min Scan# 2111

Delta R.T. -0.01 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

Instrument :

BNA_E

ClientSampleId :

YS19-SW04-1014

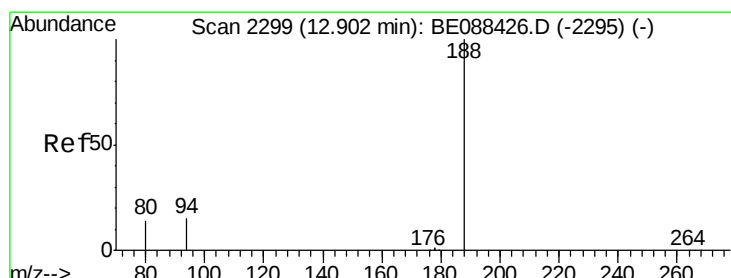
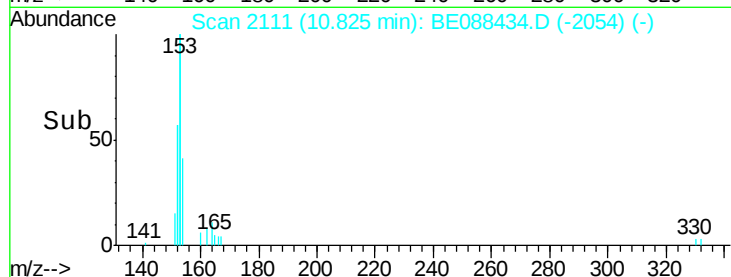
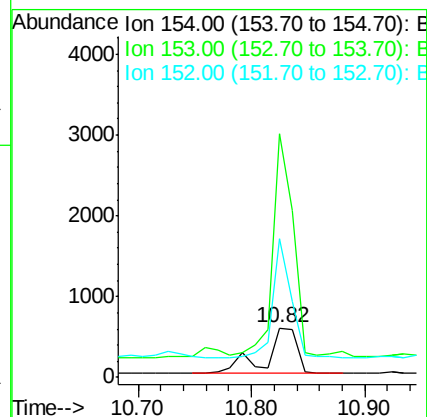
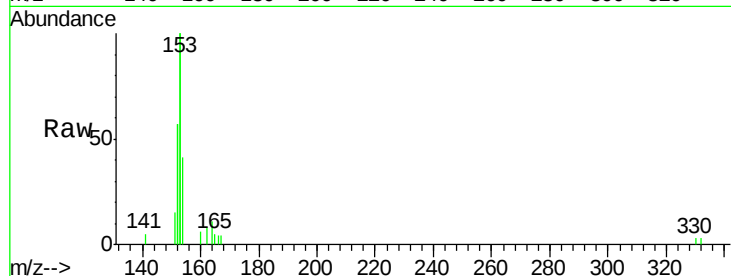
Tgt Ion:154 Resp: 1065

Ion Ratio Lower Upper

154 100

153 313.3 324.3 486.5#

152 160.5 154.9 232.3



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.91 min Scan# 2299

Delta R.T. 0.01 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

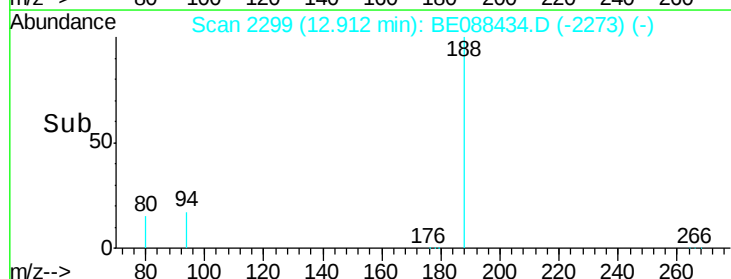
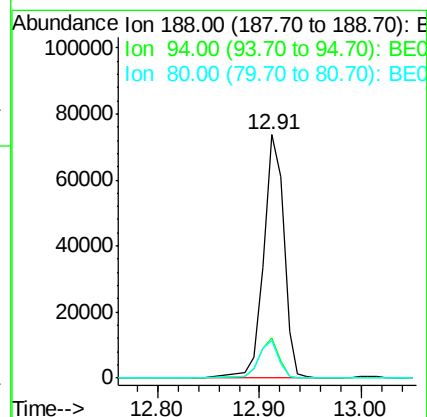
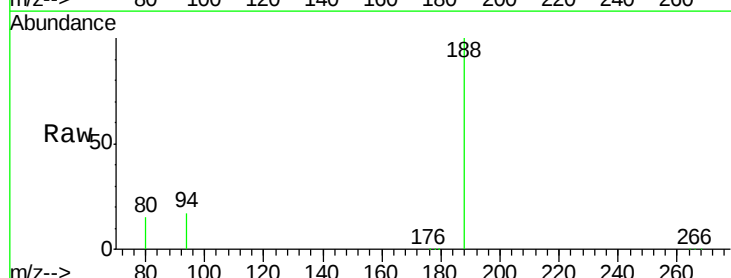
Tgt Ion:188 Resp: 130078

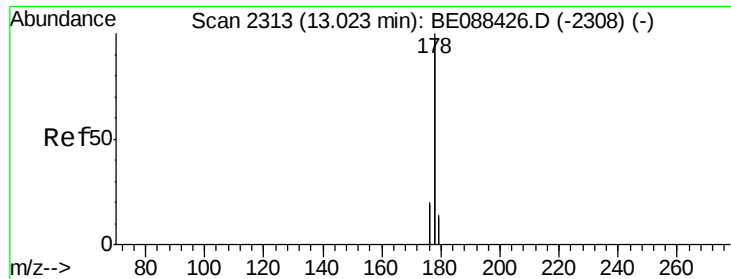
Ion Ratio Lower Upper

188 100

94 16.6 11.8 17.8

80 15.4 10.9 16.3





#14

Anthracene

Concen: 0.02 ng

RT: 13.04 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

Instrument :

BNA_E

ClientSampleId :

YS19-SW04-1014

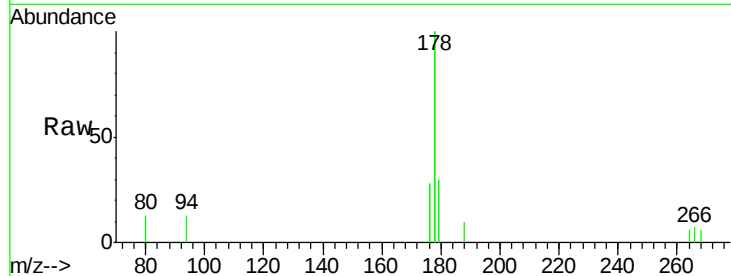
Tgt Ion:178 Resp: 1933

Ion Ratio Lower Upper

178 100

176 26.2 15.0 22.4#

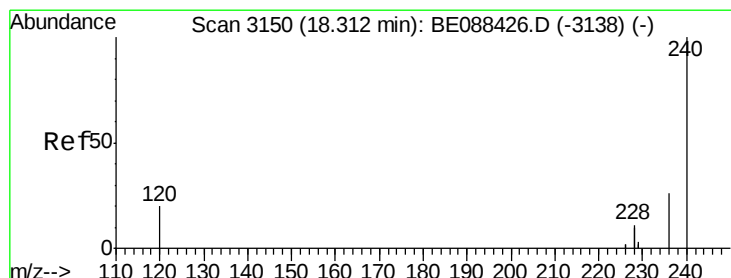
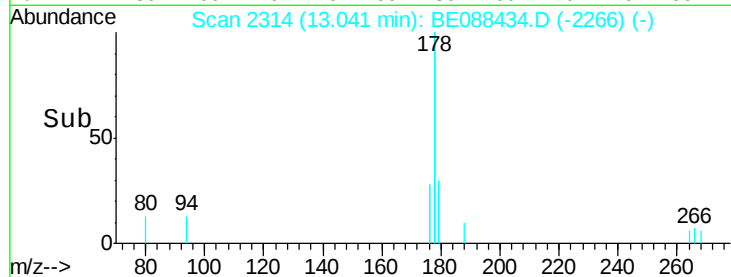
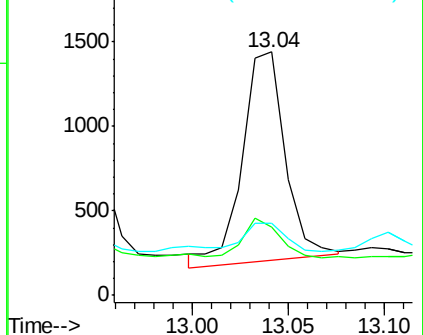
179 29.4 12.5 18.7#



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



#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.31 min Scan# 3149

Delta R.T. 0.00 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

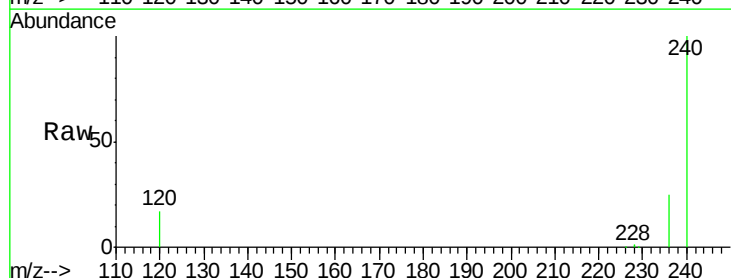
Tgt Ion:240 Resp: 70783

Ion Ratio Lower Upper

240 100

120 17.3 16.4 24.6

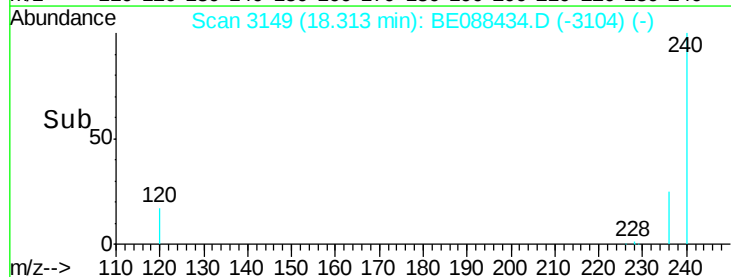
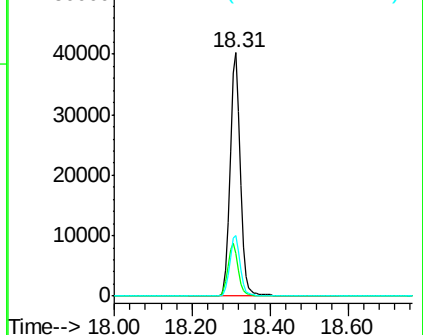
236 24.9 20.5 30.7

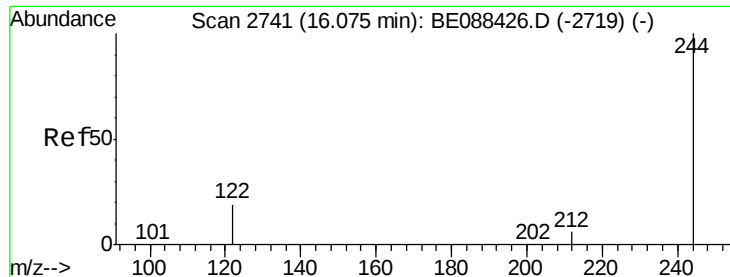


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#18

Terphenyl-d14

Concen: 8.15 ng

RT: 16.07 min Scan# 2740

Delta R.T. -0.00 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

Instrument :

BNA_E

ClientSampleId :

YS19-SW04-1014

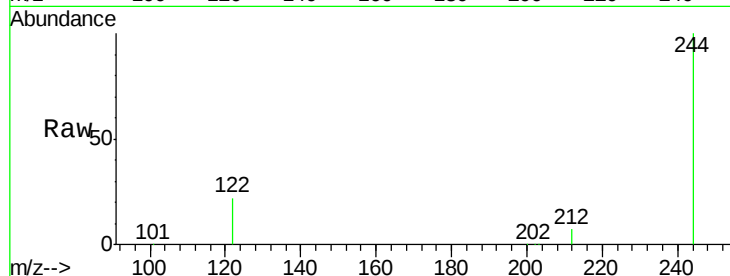
Tgt Ion:244 Resp: 105956

Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

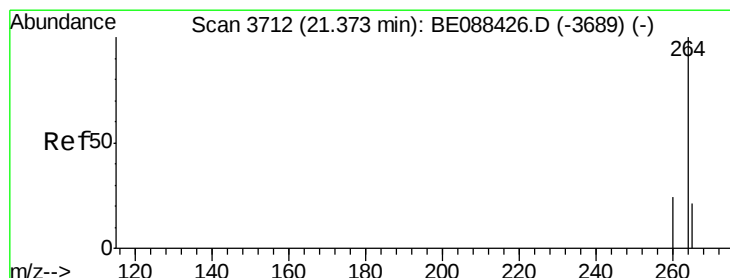
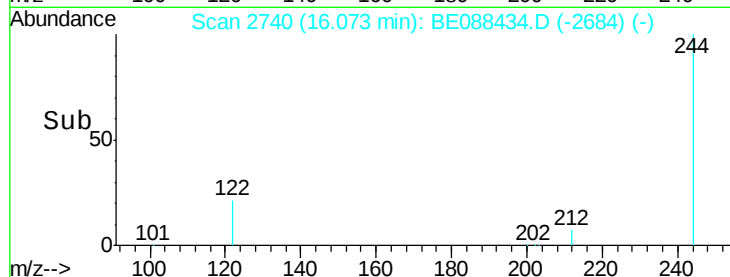
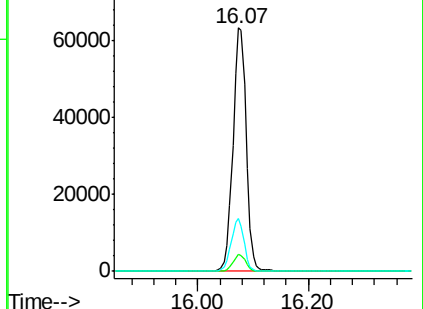
122 21.5 15.6 23.4



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.37 min Scan# 3711

Delta R.T. 0.00 min

Lab File: BE088434.D

Acq: 31 Oct 2014 22:38

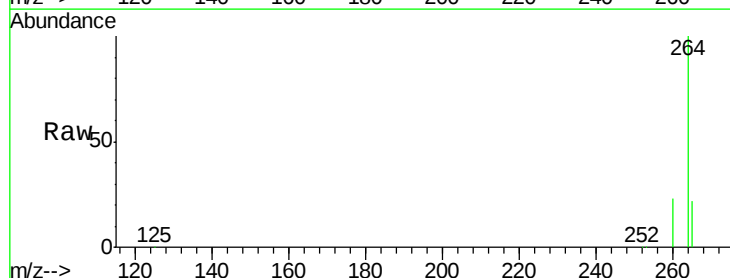
Tgt Ion:264 Resp: 66005

Ion Ratio Lower Upper

264 100

260 23.4 18.9 28.3

265 21.7 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

