

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE102014\
 Data File : BE088126.D
 Acq On : 21 Oct 2014 5:45
 Operator : TP/JJ
 Sample : F4275-01RE
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 FL-0281

Quant Time: Oct 21 07:19:57 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

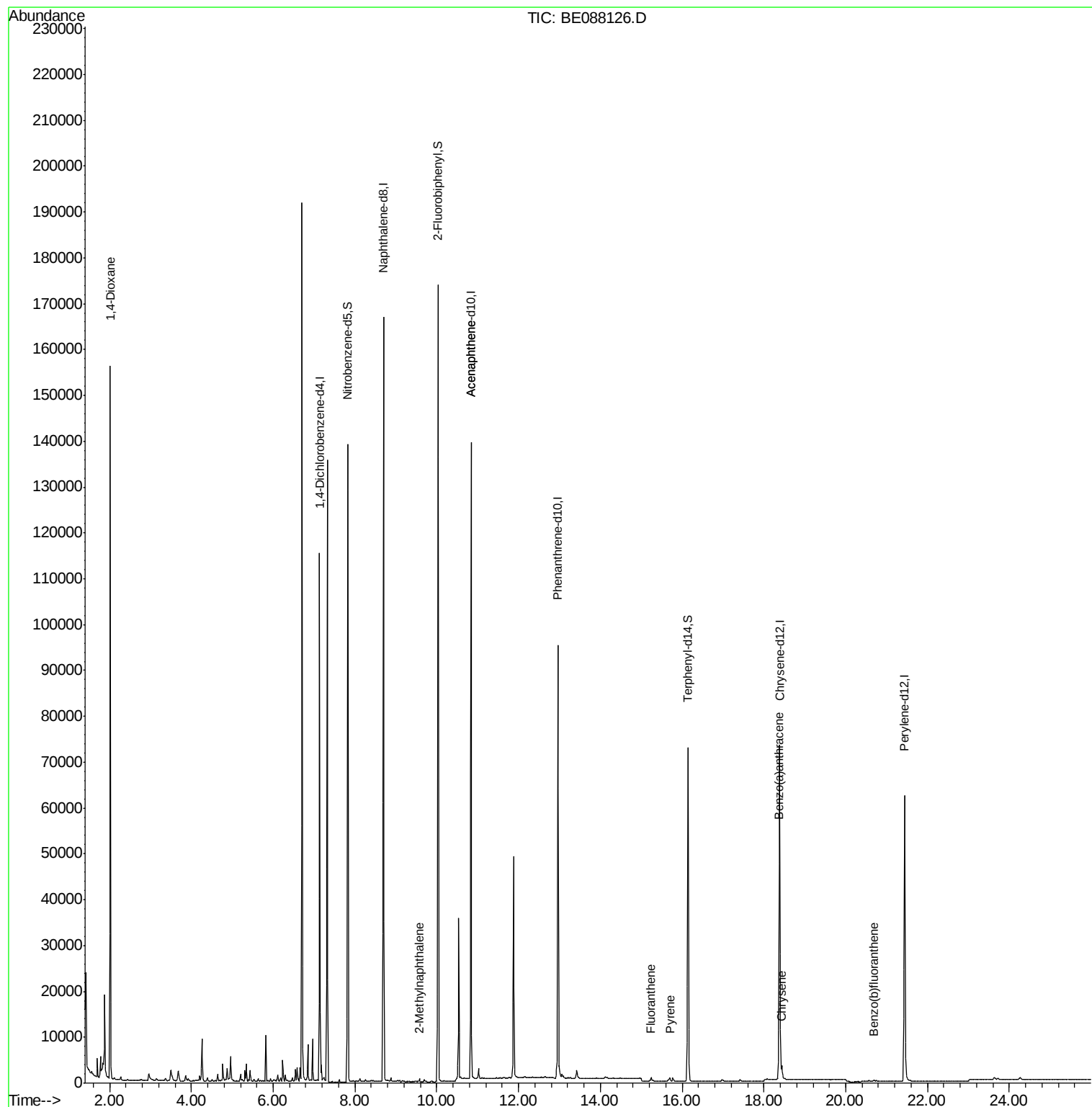
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	37410	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	139906	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	61754	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	114635	5.00	ng	0.00
16) Chrysene-d12	18.38	240	84032	5.00	ng	0.00
22) Perylene-d12	21.44	264	81414	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.82	82	69154	6.86	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	113664	6.66	ng	0.00
18) Terphenyl-d14	16.14	244	94620	7.00	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.02	88	4838	0.90	ng	# 1
6) 2-Methylnaphthalene	9.57	142	411	0.02	ng	# 91
10) Acenaphthene	10.85	154	318	0.02	ng	# 1
13) Phenanthrene	13.01	178	4774	Below Cal		# 86
15) Fluoranthene	15.24	202	1373	0.06	ng	# 88
17) Pyrene	15.70	202	1519	0.07	ng	# 98
19) Benzo(a)anthracene	18.36	228	3326	0.04	ng	# 80
20) Chrysene	18.44	228	3442	0.05	ng	# 86
23) Benzo(b)fluoranthene	20.69	252	467	0.02	ng	# 42

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1257

Delta R.T. -0.00 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

Instrument :

BNA_E

ClientSampleId :

FL-0281

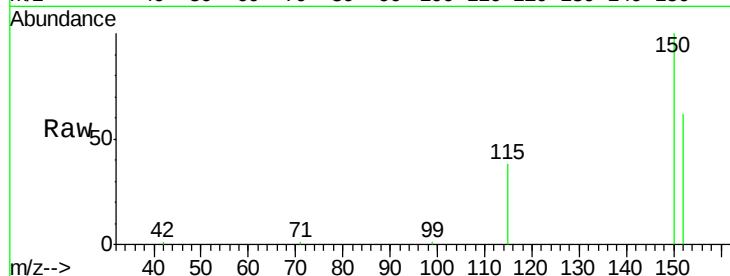
Tgt Ion:152 Resp: 37410

Ion Ratio Lower Upper

152 100

150 161.1 129.2 193.8

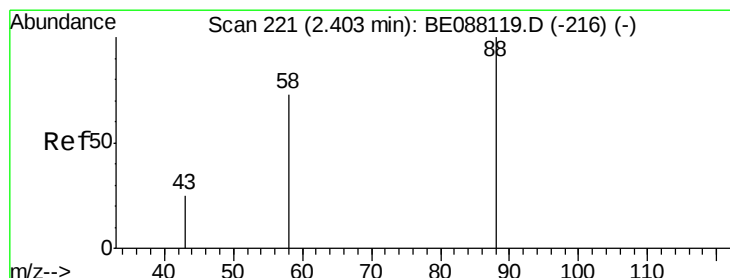
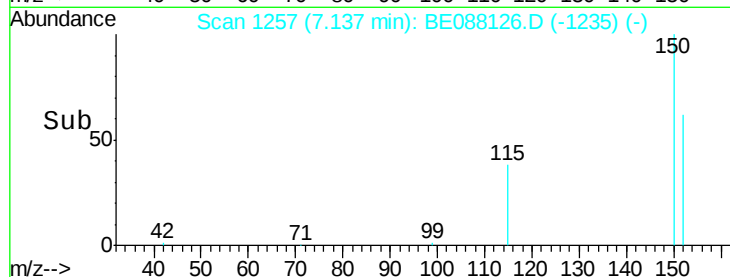
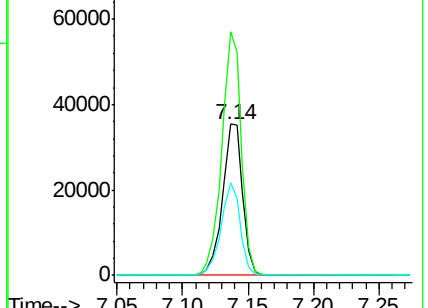
115 61.7 49.3 73.9



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



#2

1,4-Dioxane

Concen: 0.90 ng

RT: 2.02 min Scan# 137

Delta R.T. -0.38 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

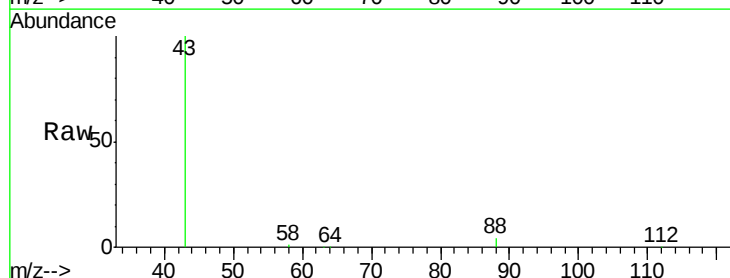
Tgt Ion: 88 Resp: 4838

Ion Ratio Lower Upper

88 100

58 24.5 59.5 89.3#

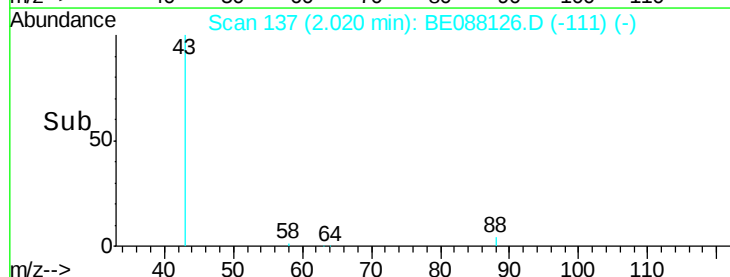
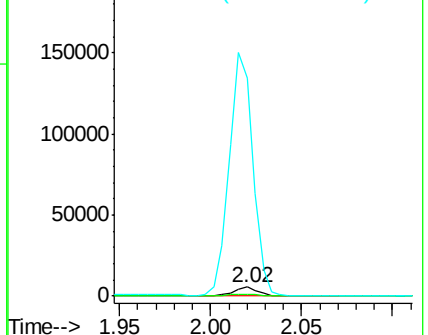
43 2793.6 21.2 31.8#

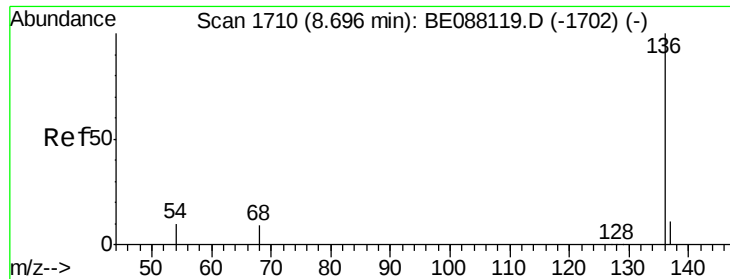


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

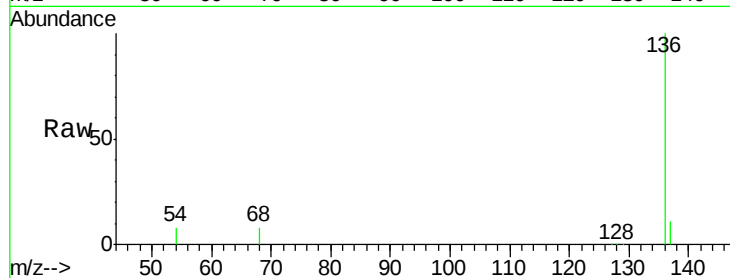




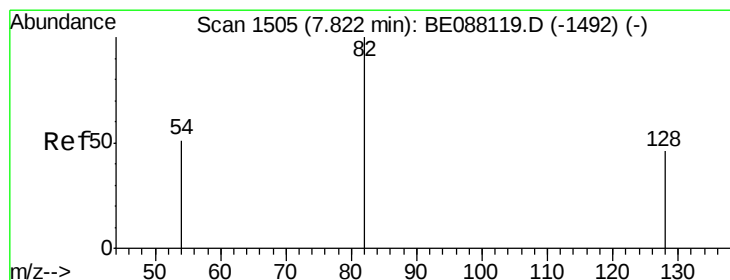
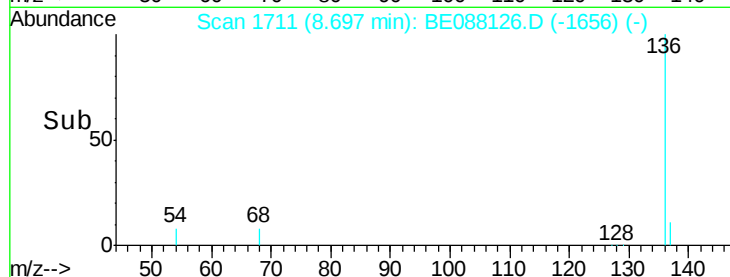
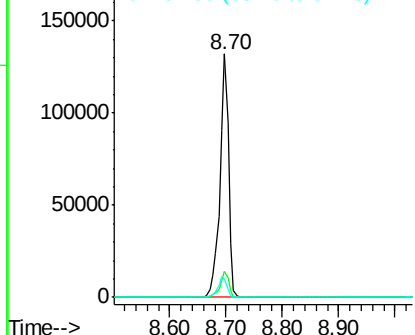
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.70 min Scan# 1711
Delta R.T. 0.00 min
Lab File: BE088126.D
Acq: 21 Oct 2014 5:45

Instrument :
BNA_E
ClientSampled :
FL-0281

Tgt Ion: 136 Resp: 139906
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 7.8 7.7 11.5

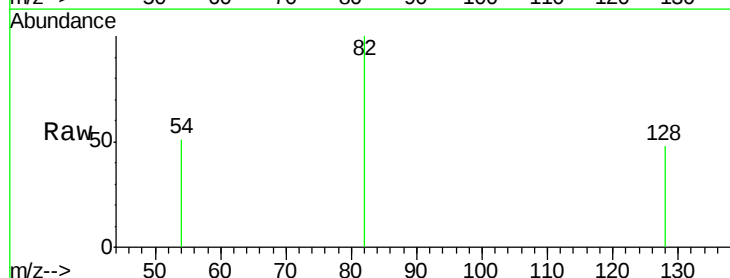


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B

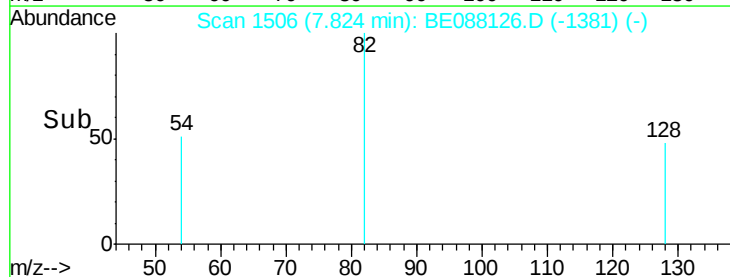
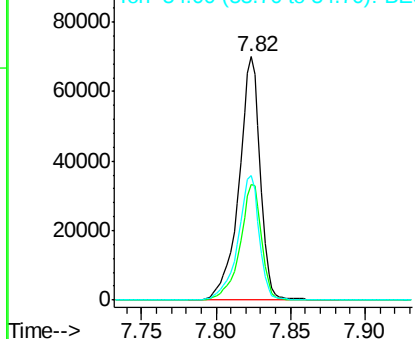


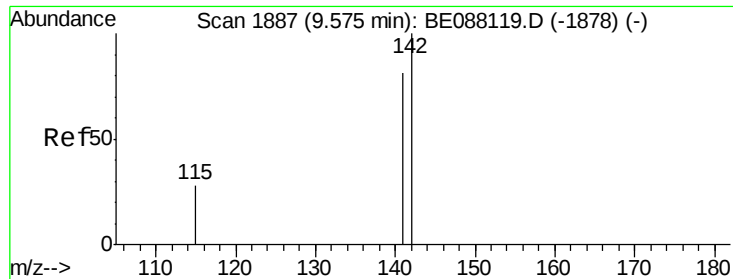
#4
Nitrobenzene-d5
Concen: 6.86 ng
RT: 7.82 min Scan# 1506
Delta R.T. 0.00 min
Lab File: BE088126.D
Acq: 21 Oct 2014 5:45

Tgt Ion: 82 Resp: 69154
Ion Ratio Lower Upper
82 100
128 47.5 37.1 55.7
54 51.4 41.1 61.7



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





#6

2-Methylnaphthalene

Concen: 0.02 ng

RT: 9.57 min Scan# 1888

Delta R.T. -0.00 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

Instrument :

BNA_E

ClientSampleId :

FL-0281

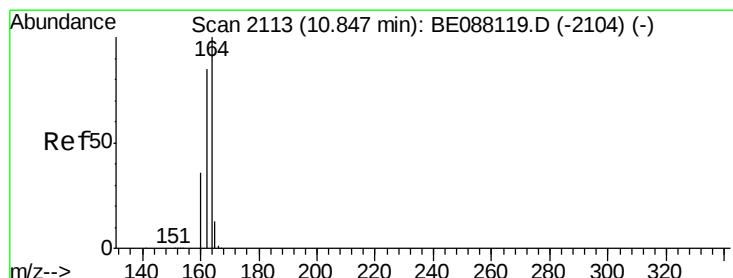
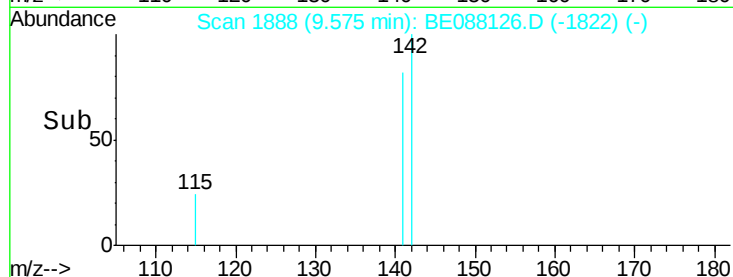
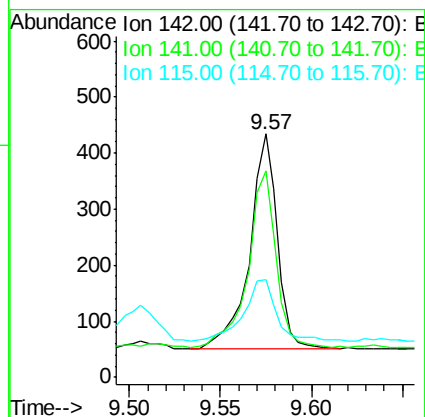
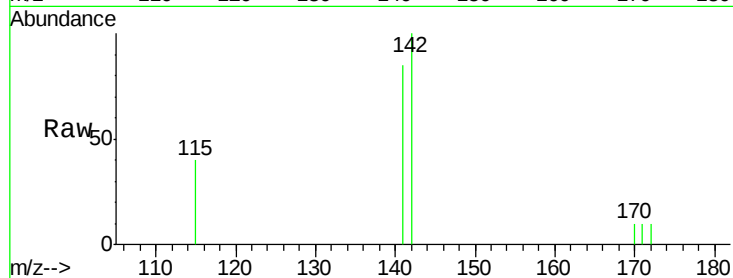
Tgt Ion:142 Resp: 411

Ion Ratio Lower Upper

142 100

141 85.0 64.6 97.0

115 40.1 22.6 34.0#



#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.00 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

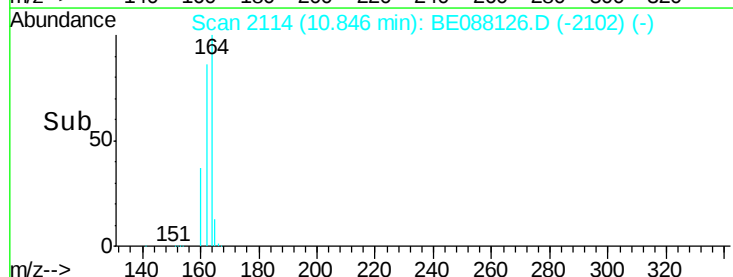
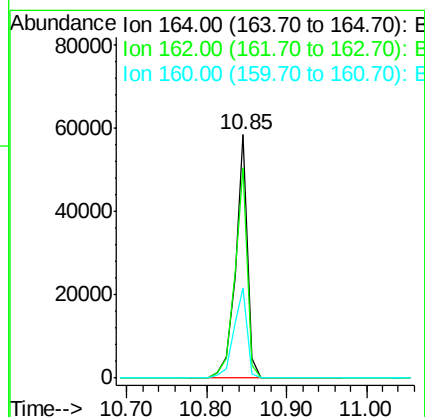
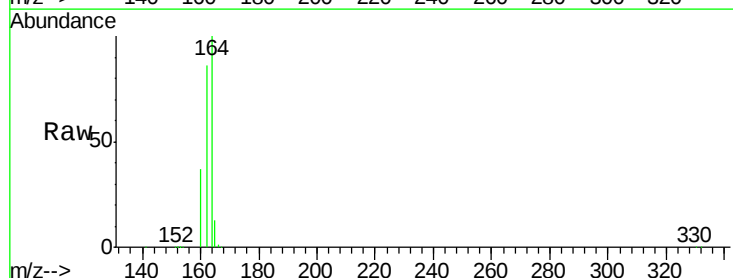
Tgt Ion:164 Resp: 61754

Ion Ratio Lower Upper

164 100

162 86.2 68.3 102.5

160 37.0 28.7 43.1





#8

2-Fluorobiphenyl

Concen: 6.66 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

Instrument :

BNA_E

ClientSampleId :

FL-0281

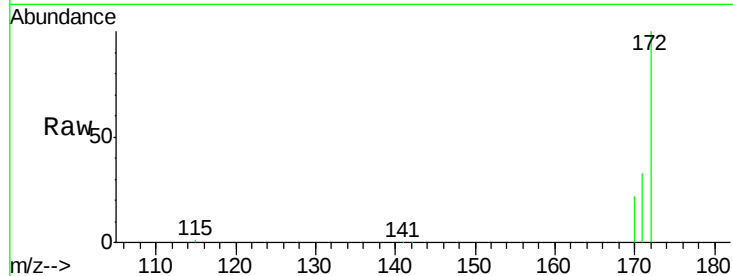
Tgt Ion:172 Resp: 113664

Ion Ratio Lower Upper

172 100

171 32.5 25.4 38.2

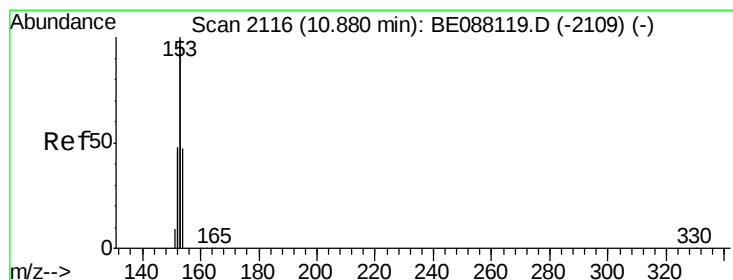
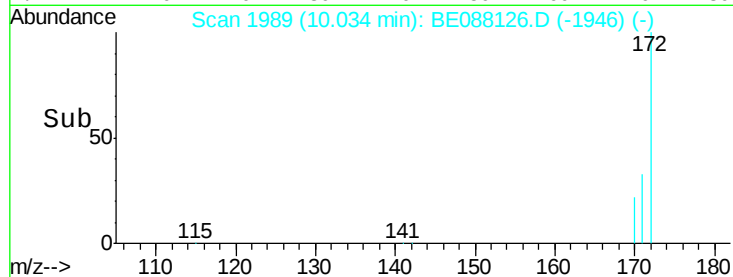
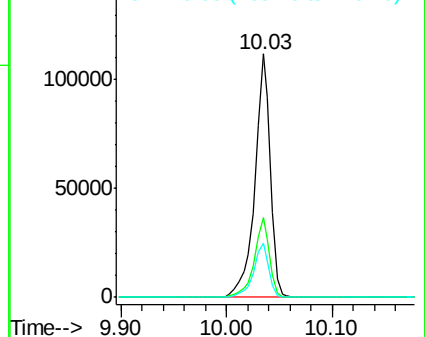
170 22.2 17.4 26.2



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



#10

Acenaphthene

Concen: 0.02 ng

RT: 10.85 min Scan# 2114

Delta R.T. -0.03 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

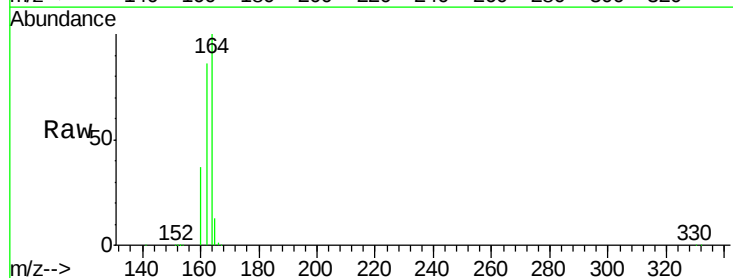
Tgt Ion:154 Resp: 318

Ion Ratio Lower Upper

154 100

153 0.0 327.8 491.6#

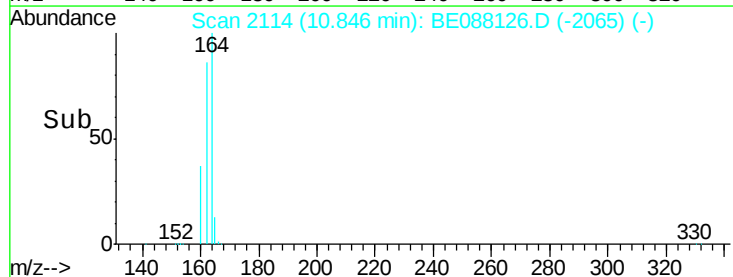
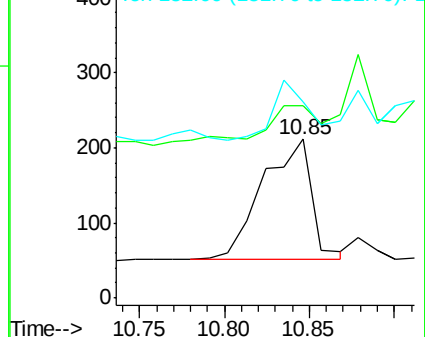
152 29.9 157.6 236.4#

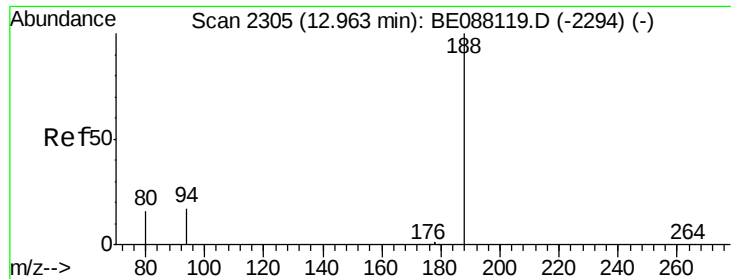


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

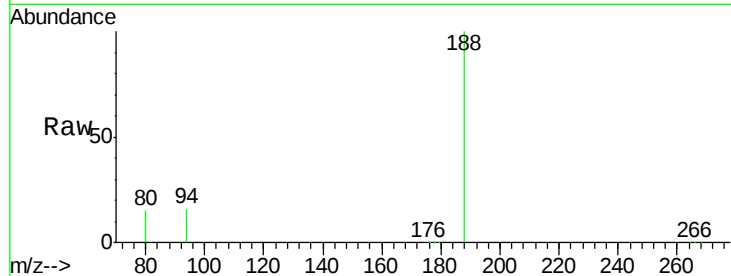




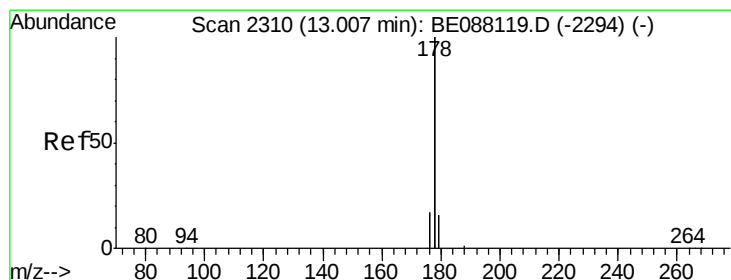
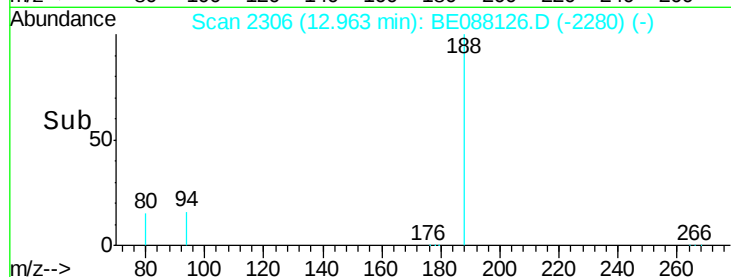
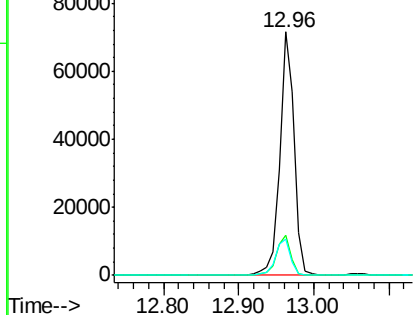
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088126.D
Acq: 21 Oct 2014 5:45

Instrument :
BNA_E
ClientSampleId :
FL-0281

Tgt Ion:188 Resp: 114635
Ion Ratio Lower Upper
188 100
94 16.4 13.9 20.9
80 15.2 12.9 19.3

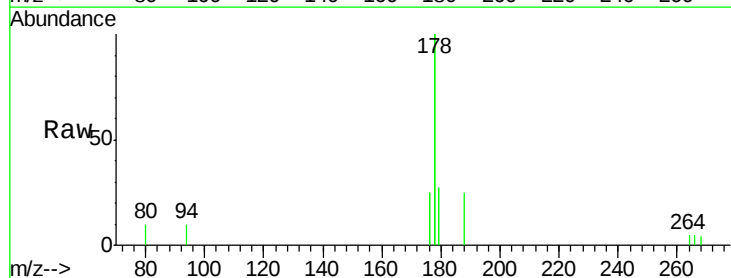


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

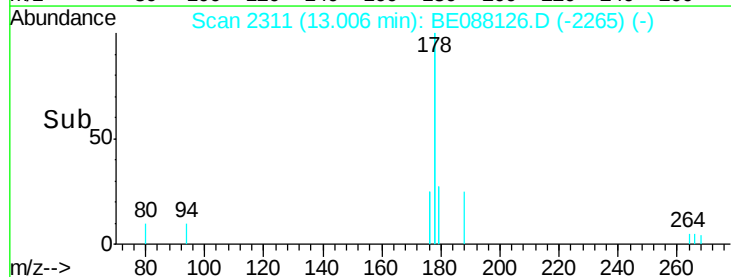
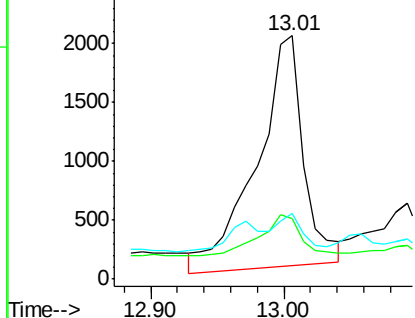


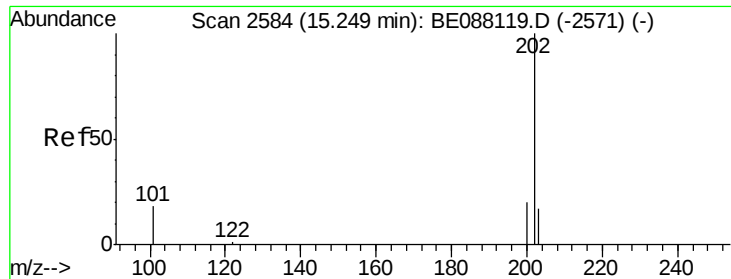
#13
Phenanthrene
Concen: Below Cal
RT: 13.01 min Scan# 2311
Delta R.T. 0.00 min
Lab File: BE088126.D
Acq: 21 Oct 2014 5:45

Tgt Ion:178 Resp: 4774
Ion Ratio Lower Upper
178 100
176 21.0 12.5 18.7#
179 10.6 13.5 20.3#



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

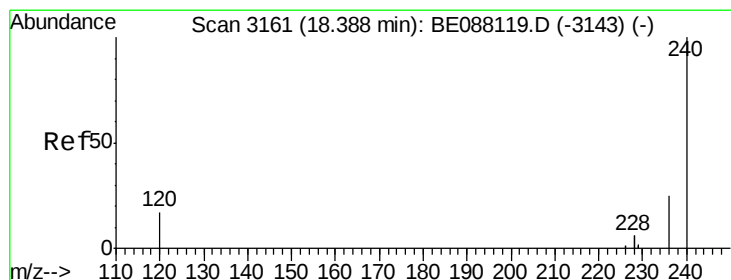
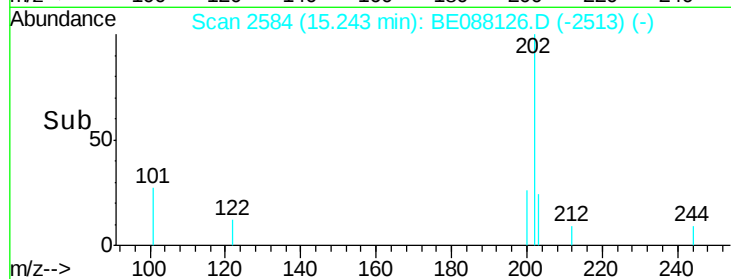
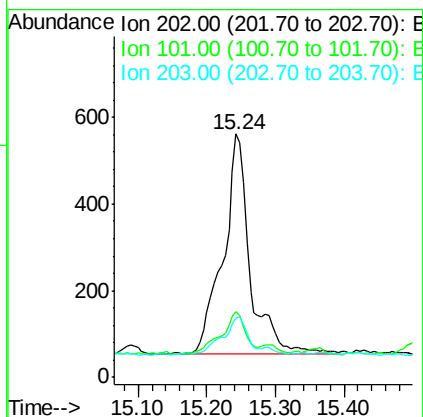
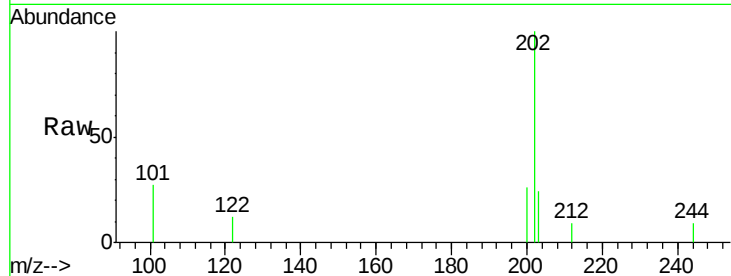




#15
 Fluoranthene
 Concen: 0.06 ng
 RT: 15.24 min Scan# 2584
 Delta R.T. -0.01 min
 Lab File: BE088126.D
 Acq: 21 Oct 2014 5:45

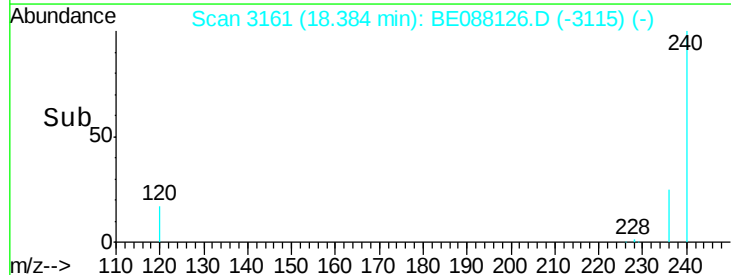
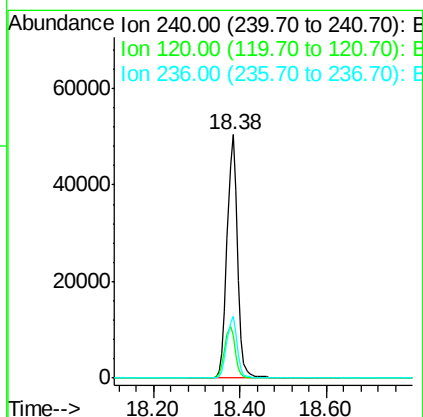
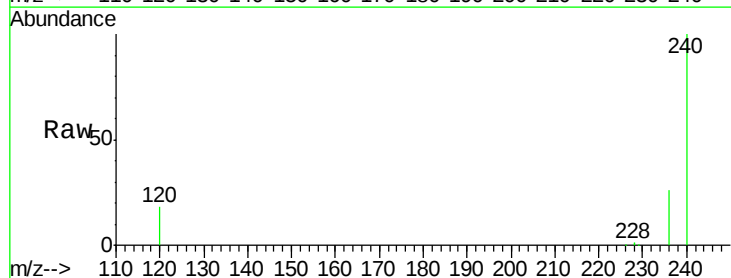
Instrument :
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 FL-0281

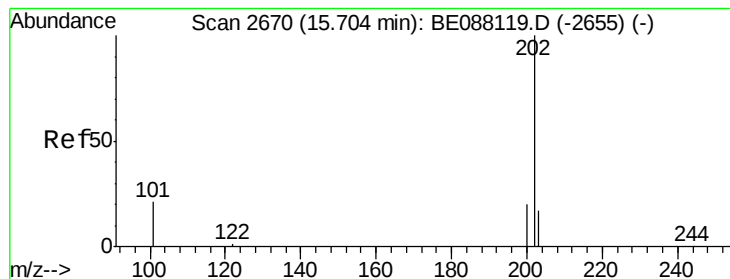
Tgt Ion: 202 Resp: 1373
 Ion Ratio Lower Upper
 202 100
 101 13.2 14.8 22.2#
 203 12.1 13.5 20.3#



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.38 min Scan# 3161
 Delta R.T. -0.00 min
 Lab File: BE088126.D
 Acq: 21 Oct 2014 5:45

Tgt Ion: 240 Resp: 84032
 Ion Ratio Lower Upper
 240 100
 120 17.5 13.9 20.9
 236 25.6 19.9 29.9





#17

Pyrene

Concen: 0.07 ng

RT: 15.70 min Scan# 2671

Delta R.T. -0.00 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

Instrument :

BNA_E

ClientSampleId :

FL-0281

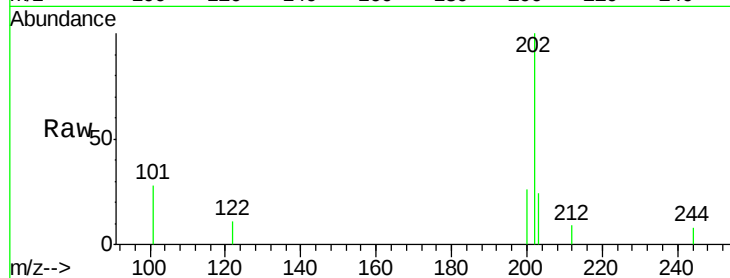
Tgt Ion: 202 Resp: 1519

Ion Ratio Lower Upper

202 100

200 19.4 16.1 24.1

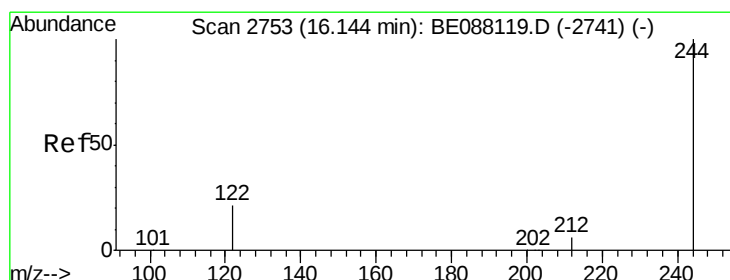
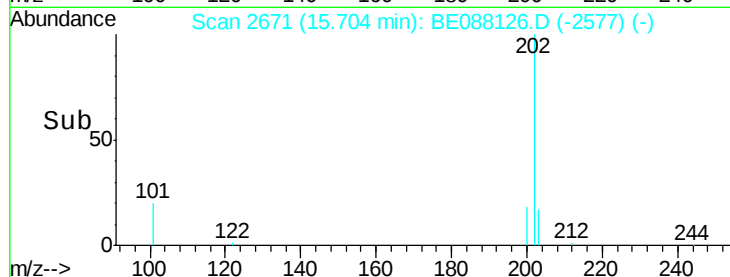
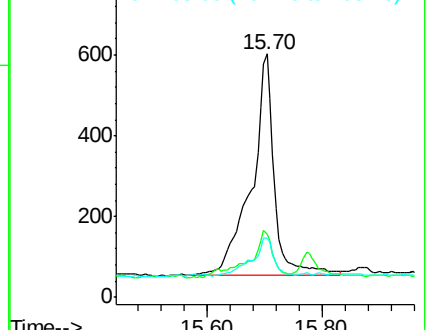
203 16.4 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#18

Terphenyl-d14

Concen: 7.00 ng

RT: 16.14 min Scan# 2754

Delta R.T. -0.00 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

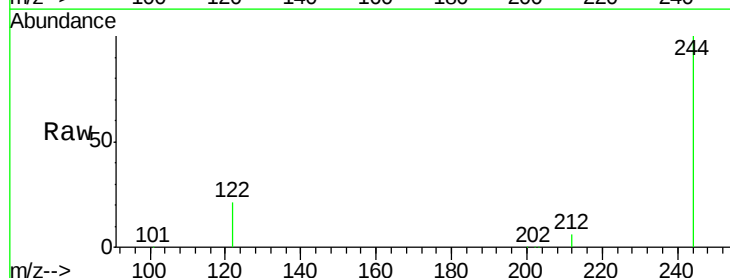
Tgt Ion: 244 Resp: 94620

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

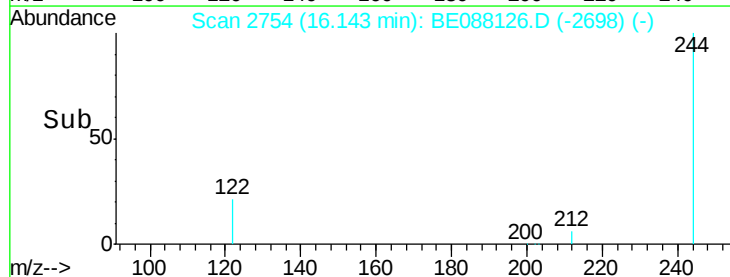
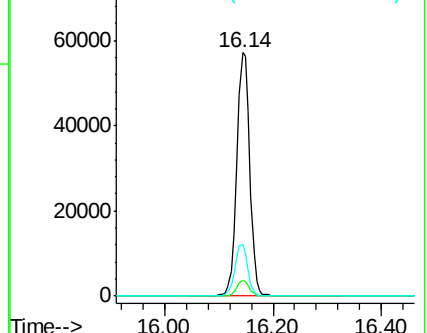
122 21.0 17.5 26.3

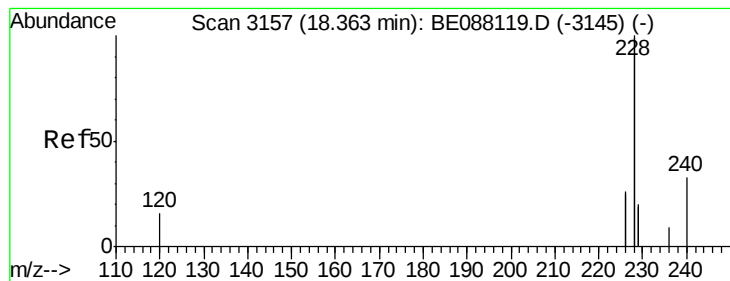


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.04 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

Instrument :

BNA_E

ClientSampleId :

FL-0281

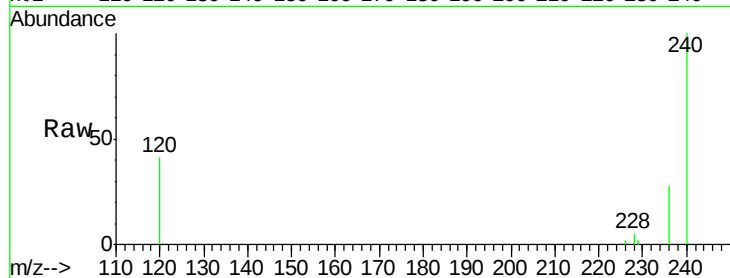
Tgt Ion:228 Resp: 3326

Ion Ratio Lower Upper

228 100

226 33.5 20.8 31.2#

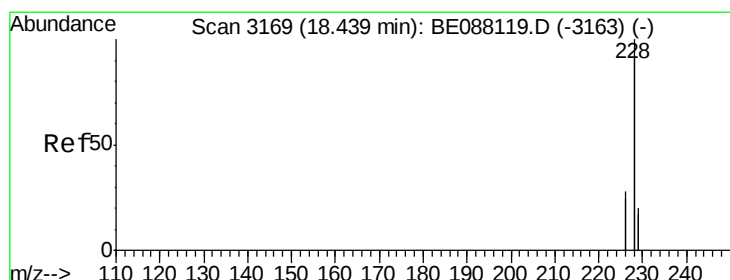
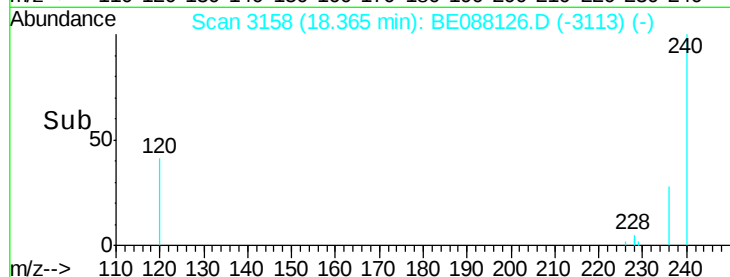
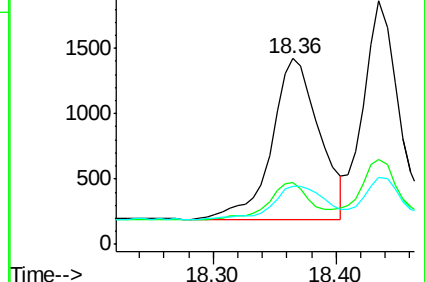
229 31.4 15.6 23.4#



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: 0.05 ng

RT: 18.44 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BE088126.D

Acq: 21 Oct 2014 5:45

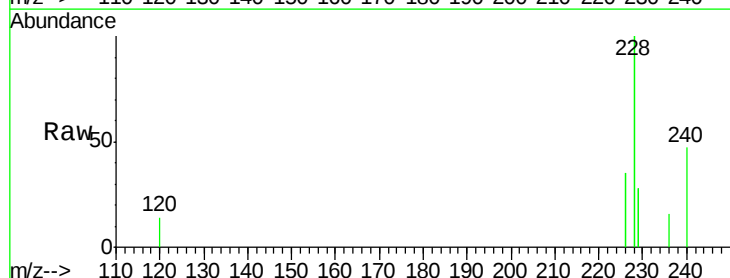
Tgt Ion:228 Resp: 3442

Ion Ratio Lower Upper

228 100

226 34.9 22.7 34.1#

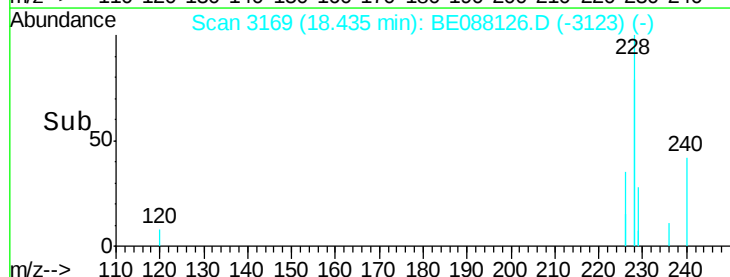
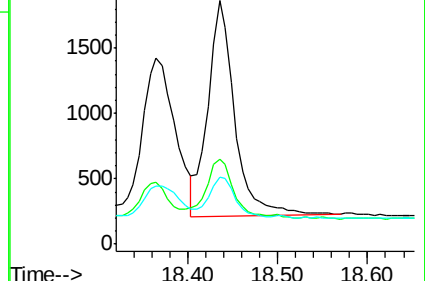
229 27.7 15.8 23.6#

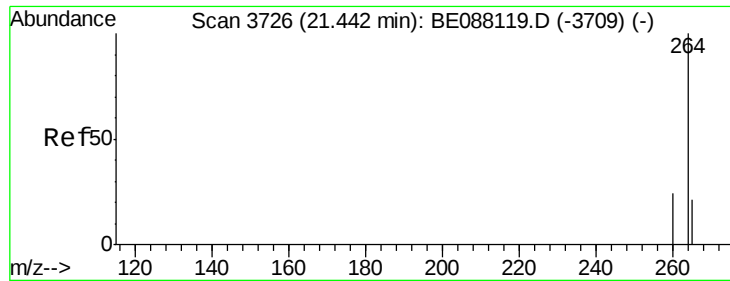


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

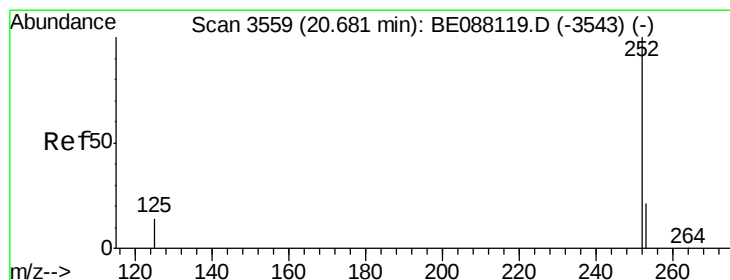
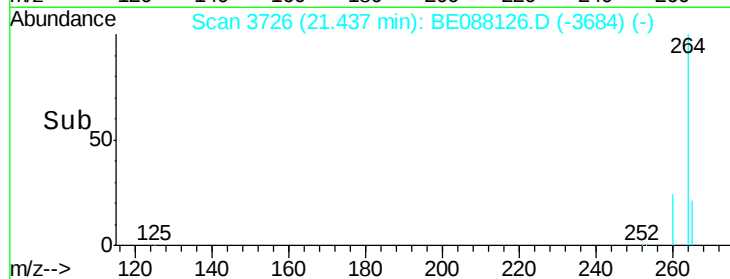
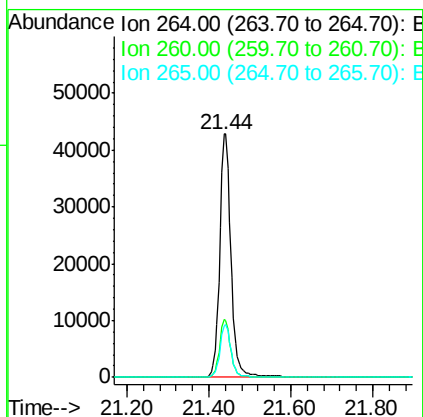
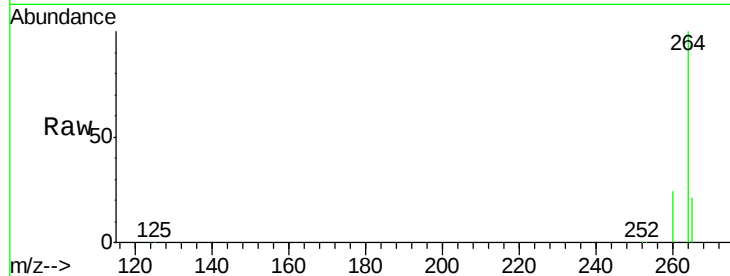




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.44 min Scan# 3726
 Delta R.T. -0.00 min
 Lab File: BE088126.D
 Acq: 21 Oct 2014 5:45

Instrument :
 BNA_E
 ClientSampled :
 FL-0281

Tgt Ion: 264 Resp: 81414
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.0 28.4
 265 21.3 17.2 25.8



#23
 Benzo(b)fluoranthene
 Concen: 0.02 ng
 RT: 20.69 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: BE088126.D
 Acq: 21 Oct 2014 5:45

Tgt Ion: 252 Resp: 467
 Ion Ratio Lower Upper
 252 100
 253 38.2 17.4 26.0#
 125 53.1 11.8 17.8#

