

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088461.D
 Acq On : 1 Nov 2014 20:57
 Operator : TP/JJ
 Sample : F4368-17RE
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB44-1014RE

Quant Time: Nov 02 04:57:35 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

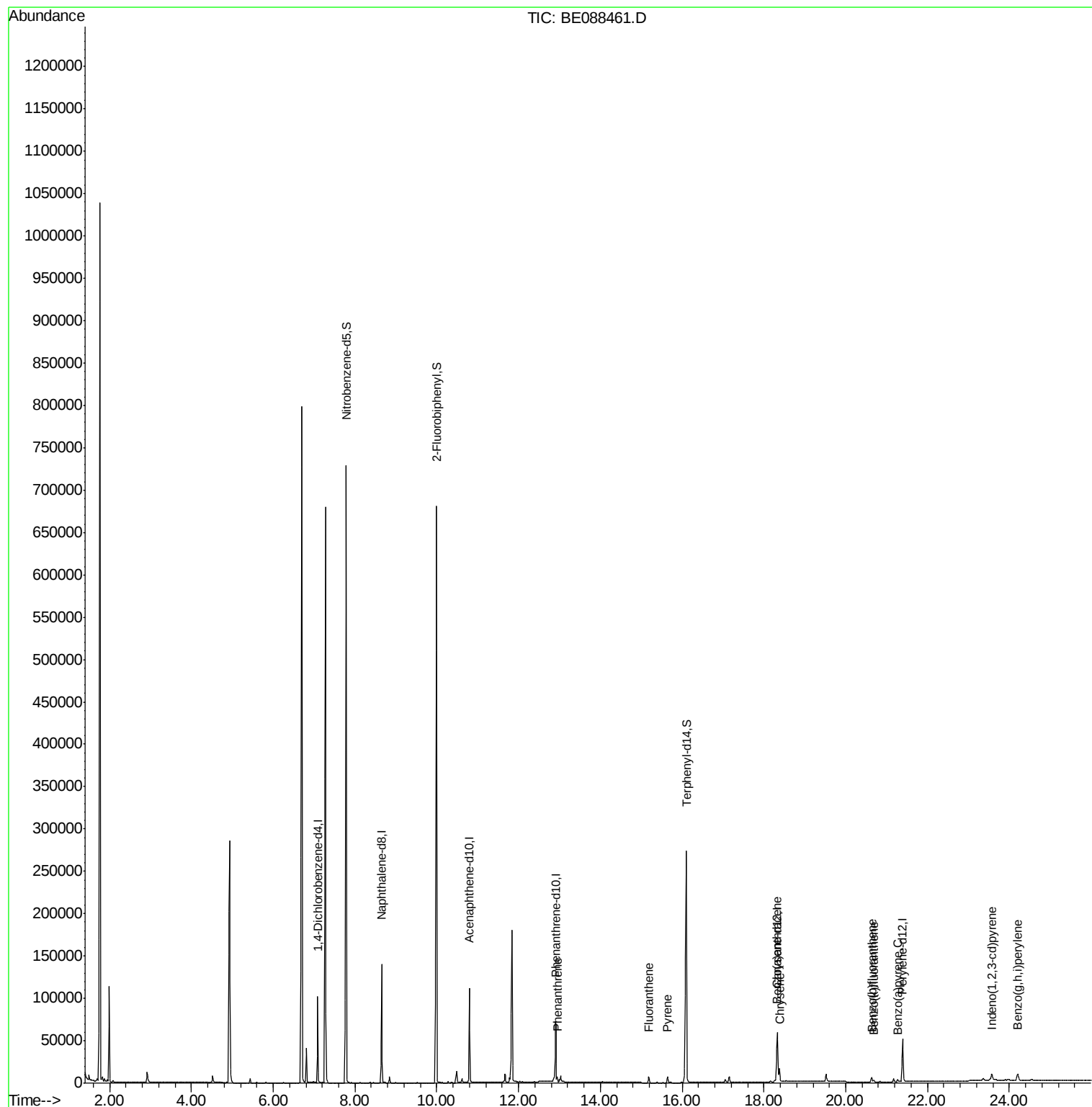
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	31290	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	111361	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	51650	5.00	ng	0.00
12) Phenanthrene-d10	12.91	188	107776	5.00	ng	0.00
16) Chrysene-d12	18.33	240	66617	5.00	ng	0.01
22) Perylene-d12	21.39	264	64589	5.00	ng	0.02
System Monitoring Compounds						
4) Nitrobenzene-d5	7.79	82	498391	61.03	ng	0.02
8) 2-Fluorobiphenyl	9.99	172	569098	39.09	ng	0.00
18) Terphenyl-d14	16.11	244	484229	39.57	ng	0.03
Target Compounds						Qvalue
13) Phenanthrene	12.95	178	10924	0.11	ng	# 55
15) Fluoranthene	15.18	202	7055	0.44	ng	100
17) Pyrene	15.64	202	6766	0.31	ng	98
19) Benzo(a)anthracene	18.31	228	12450	0.20	ng	# 88
20) Chrysene	18.38	228	22939	0.37	ng	# 93
21) Indeno(1,2,3-cd)pyrene	23.57	276	13216	0.23	ng	# 84
23) Benzo(b)fluoranthene	20.63	252	8802	0.62	ng	# 80
24) Benzo(k)fluoranthene	20.69	252	2811	0.18	ng	# 58
25) Benzo(a)pyrene	21.27	252	3517	0.26	ng	# 61
27) Benzo(g,h,i)perylene	24.20	276	13745	0.24	ng	# 77

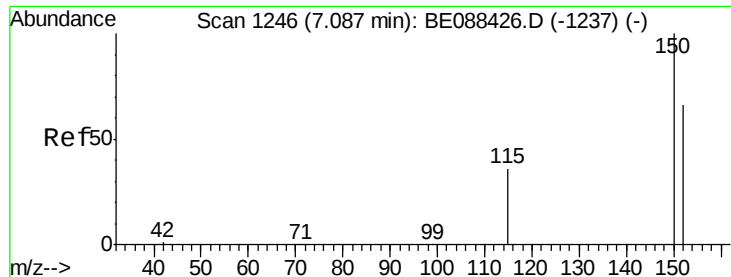
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
Data File : BE088461.D
Acq On : 1 Nov 2014 20:57
Operator : TP/JJ
Sample : F4368-17RE
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
YS19-SB44-1014RE

Quant Time: Nov 02 04:57:35 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





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB44-1014RE

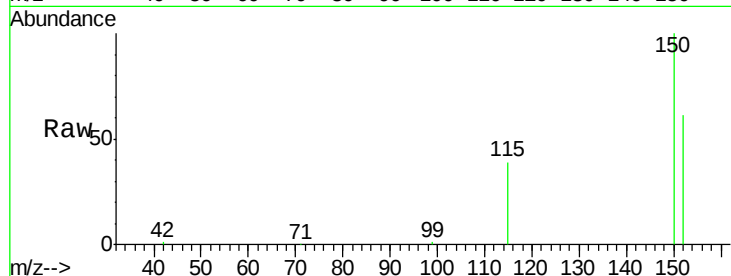
Tgt Ion:152 Resp: 31290

Ion Ratio Lower Upper

152 100

150 163.7 121.8 182.8

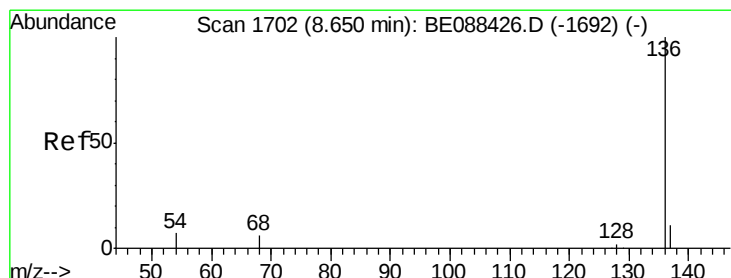
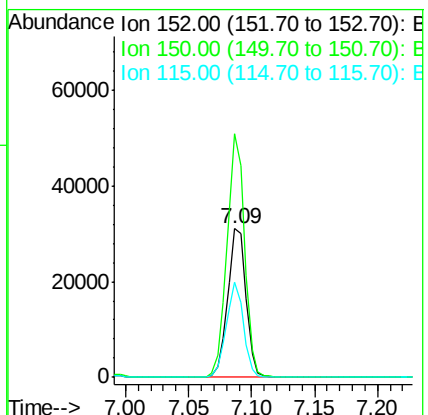
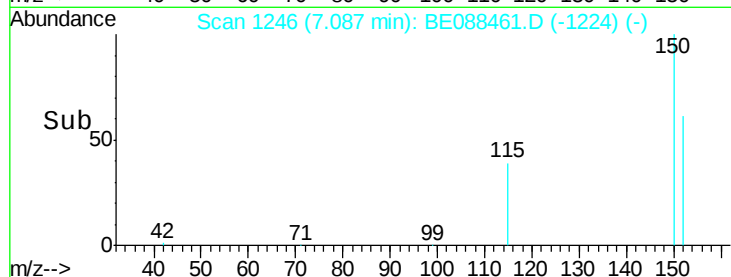
115 63.7 43.9 65.9



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



#3

Naphthalene-d8

Concen: 5.00 ng

RT: 8.65 min Scan# 1702

Delta R.T. -0.00 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

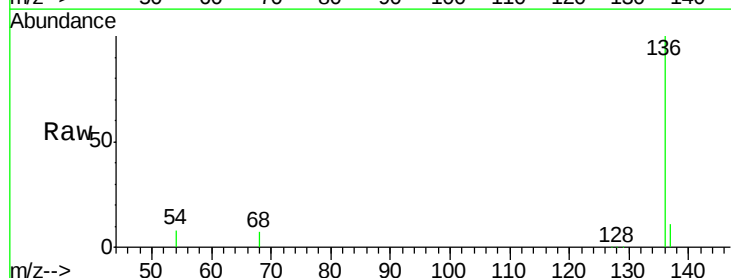
Tgt Ion:136 Resp: 111361

Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

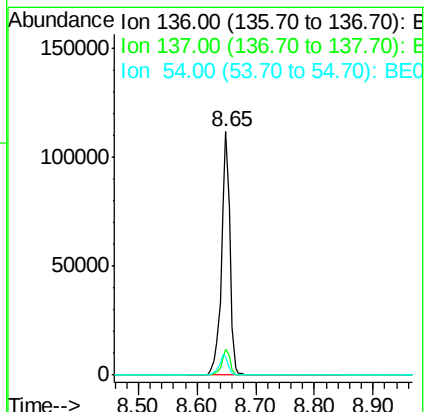
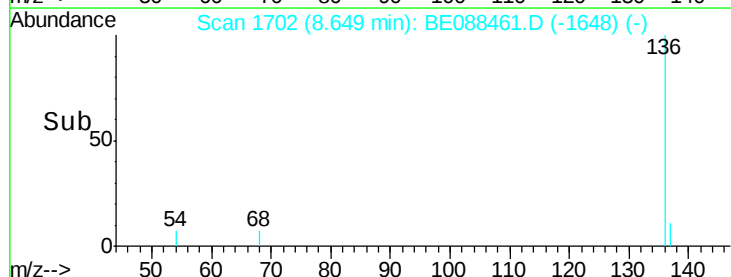
54 7.5 5.3 7.9

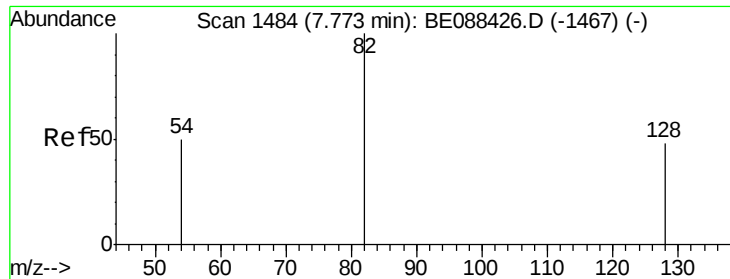


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0





#4

Nitrobenzene-d5

Concen: 61.03 ng

RT: 7.79 min Scan# 1491

Delta R.T. 0.02 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB44-1014RE

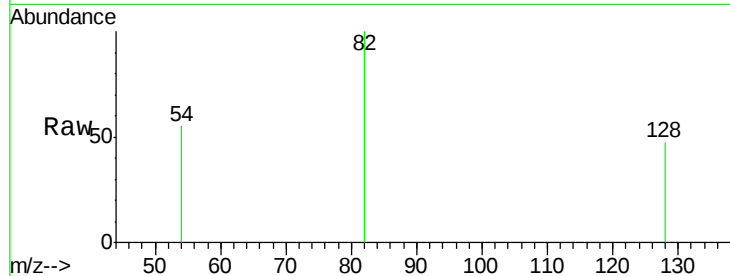
Tgt Ion: 82 Resp: 498391

Ion Ratio Lower Upper

82 100

128 46.8 38.4 57.6

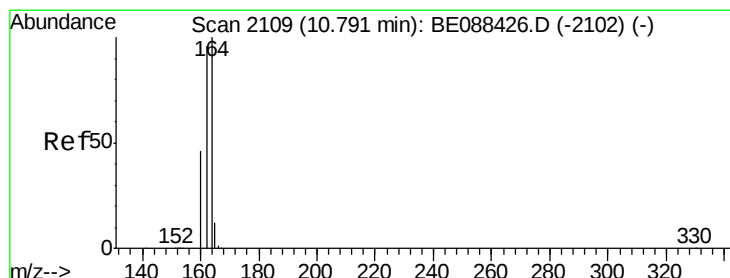
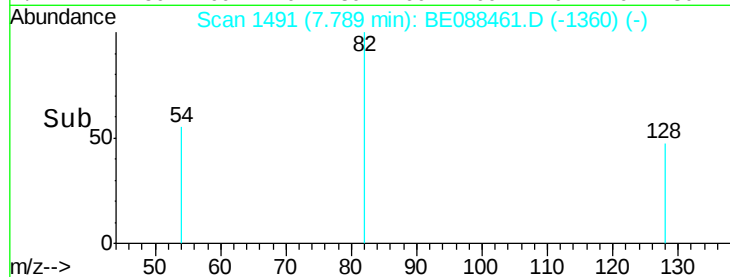
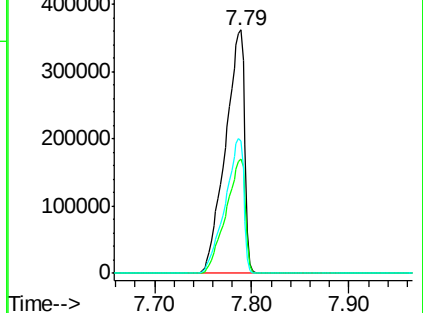
54 54.5 40.2 60.2



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: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

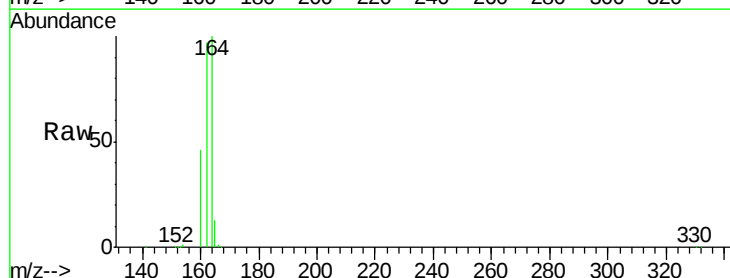
Tgt Ion: 164 Resp: 51650

Ion Ratio Lower Upper

164 100

162 96.8 77.0 115.4

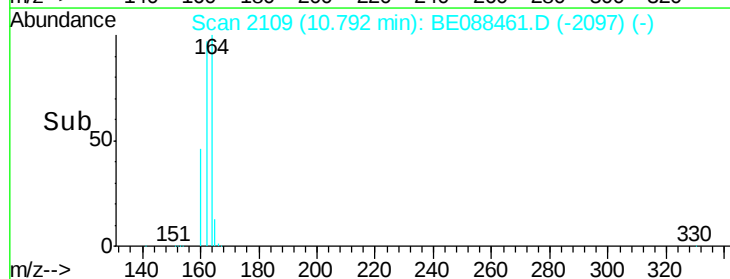
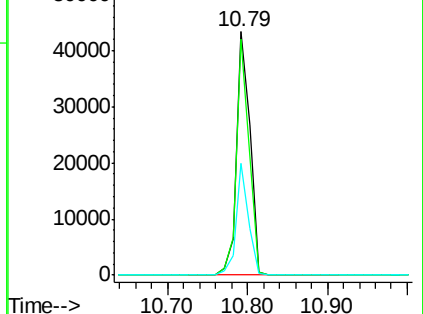
160 46.1 36.8 55.2

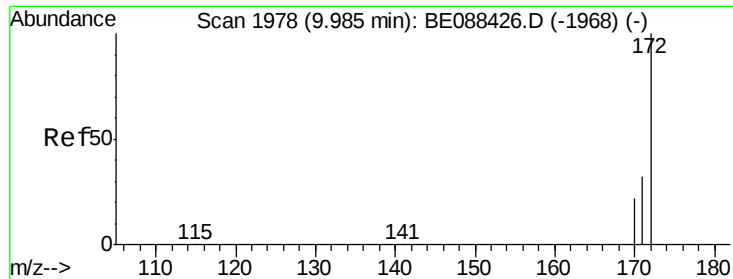


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#8

2-Fluorobiphenyl

Concen: 39.09 ng

RT: 9.99 min Scan# 1980

Delta R.T. 0.01 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB44-1014RE

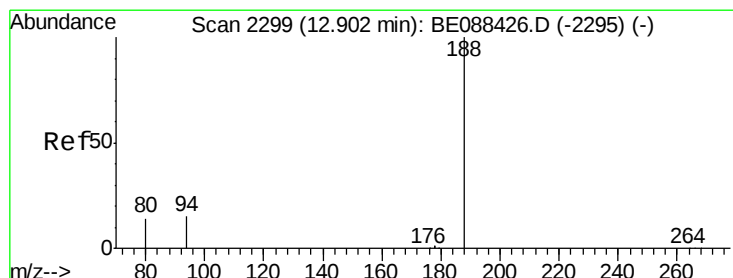
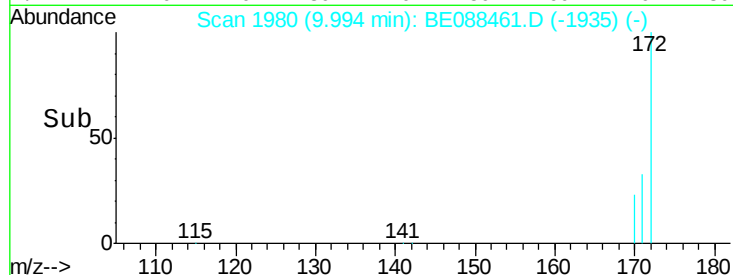
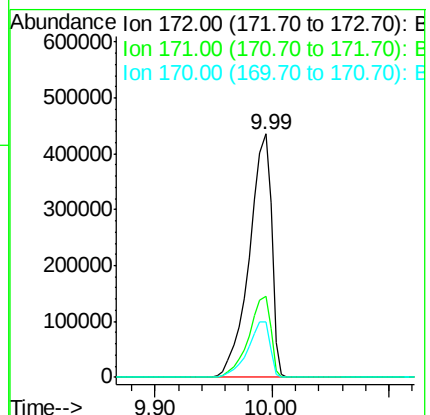
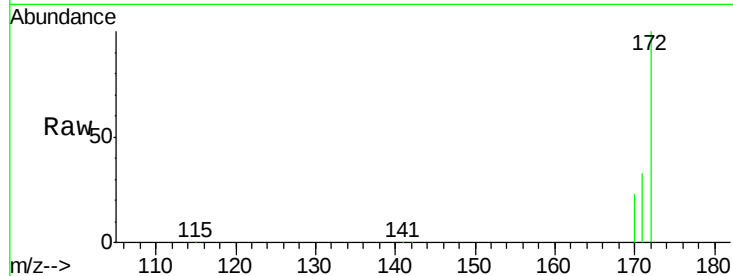
Tgt Ion:172 Resp: 569098

Ion Ratio Lower Upper

172 100

171 33.2 26.0 39.0

170 22.6 17.6 26.4



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.91 min Scan# 2300

Delta R.T. 0.01 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

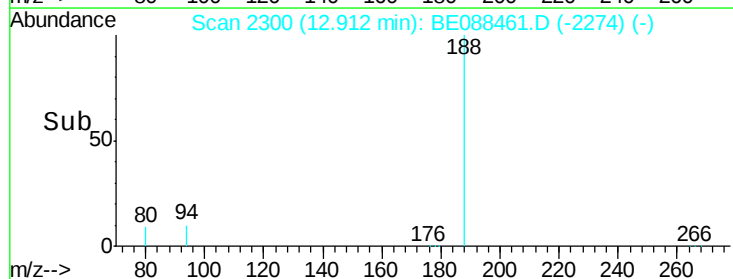
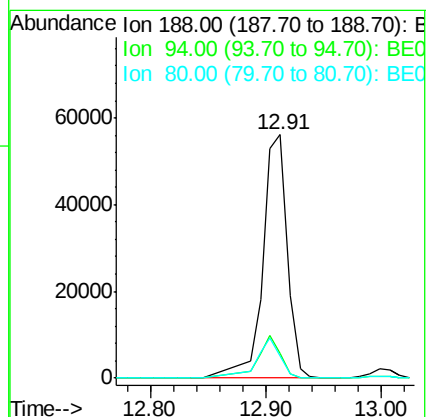
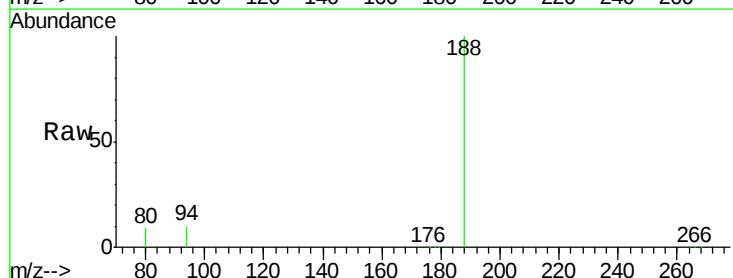
Tgt Ion:188 Resp: 107776

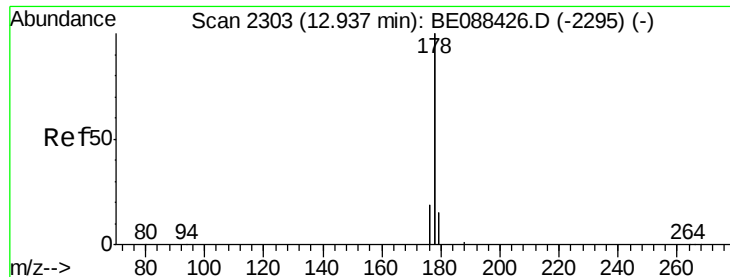
Ion Ratio Lower Upper

188 100

94 10.2 11.8 17.8#

80 8.9 10.9 16.3#





#13

Phenanthrene

Concen: 0.11 ng

RT: 12.95 min Scan# 2304

Delta R.T. 0.01 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB44-1014RE

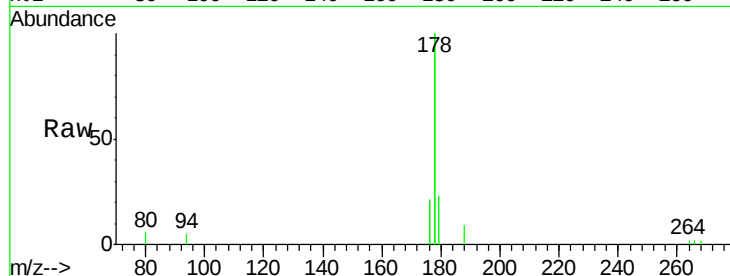
Tgt Ion:178 Resp: 10924

Ion Ratio Lower Upper

178 100

176 33.0 15.4 23.2#

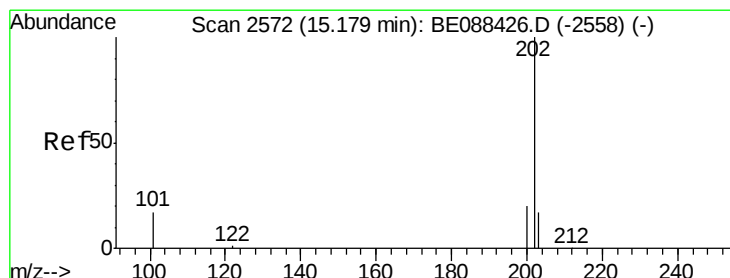
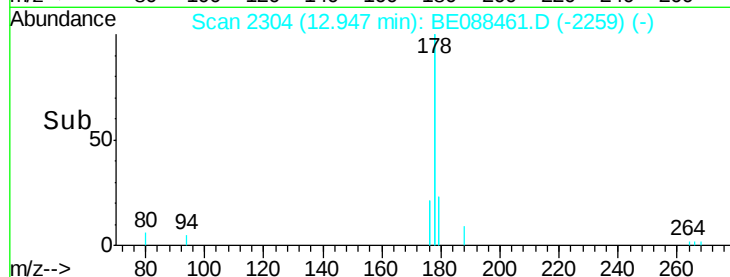
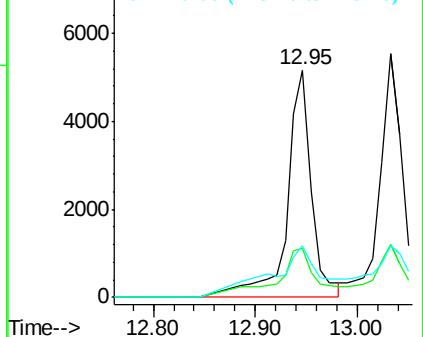
179 42.6 12.8 19.2#



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: 0.44 ng

RT: 15.18 min Scan# 2573

Delta R.T. 0.00 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

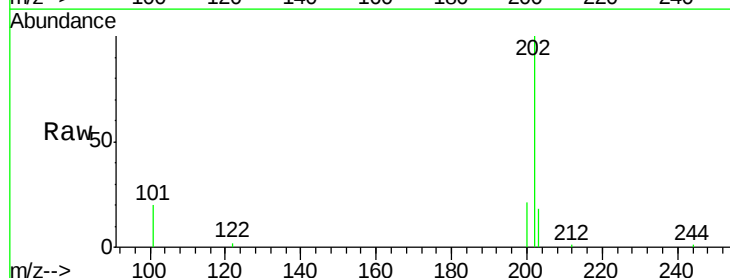
Tgt Ion:202 Resp: 7055

Ion Ratio Lower Upper

202 100

101 17.7 14.3 21.5

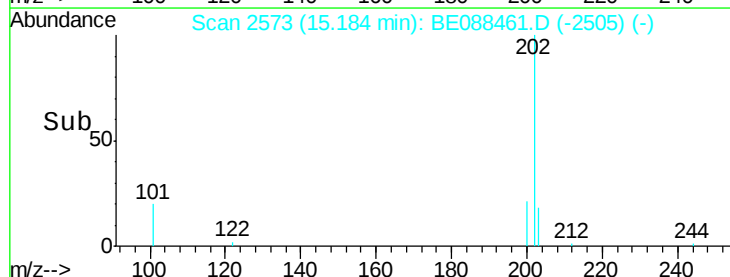
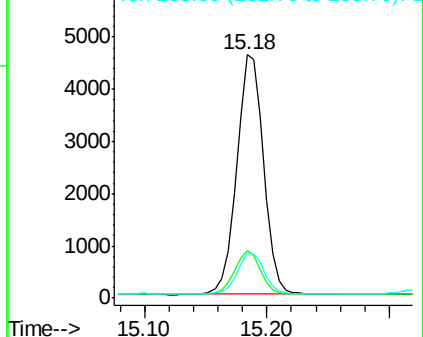
203 16.9 13.6 20.4

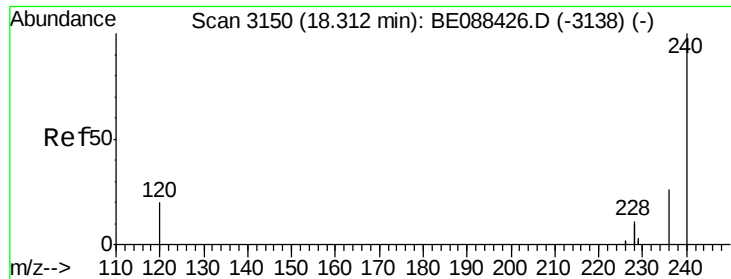


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.33 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB44-1014RE

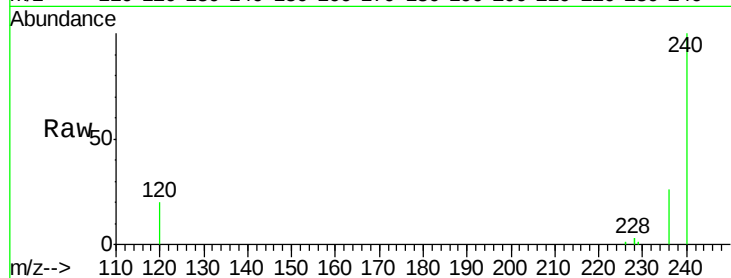
Tgt Ion:240 Resp: 66617

Ion Ratio Lower Upper

240 100

120 20.4 16.4 24.6

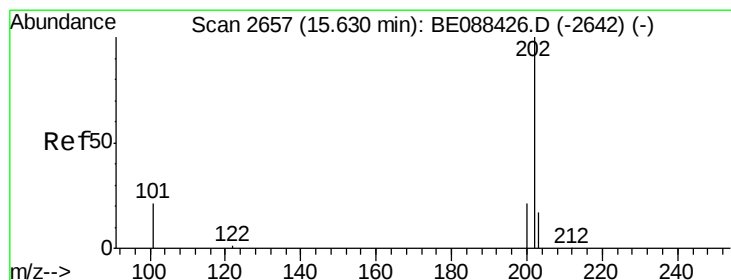
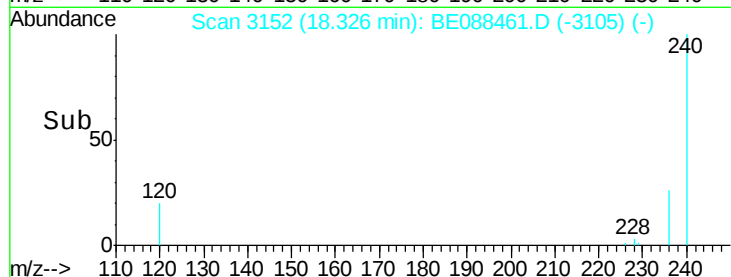
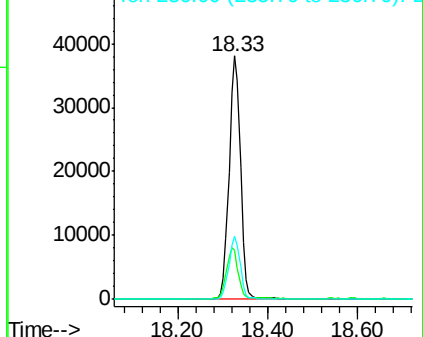
236 26.2 20.5 30.7



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



#17

Pyrene

Concen: 0.31 ng

RT: 15.64 min Scan# 2660

Delta R.T. 0.02 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

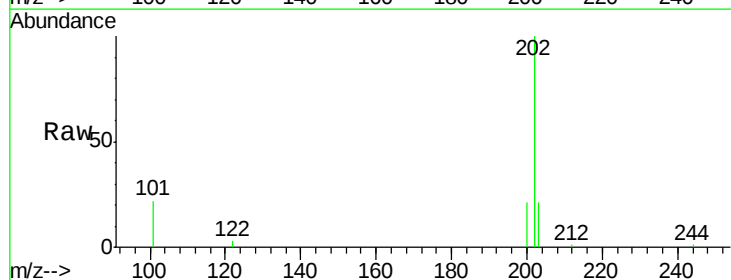
Tgt Ion:202 Resp: 6766

Ion Ratio Lower Upper

202 100

200 20.1 16.1 24.1

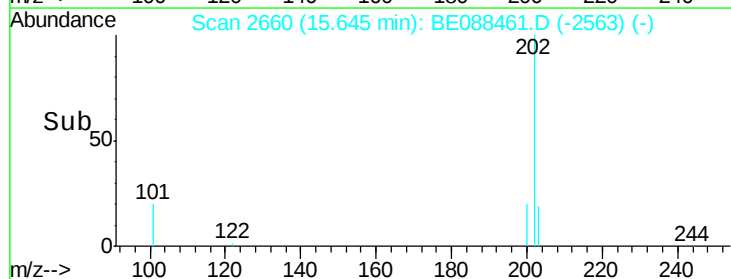
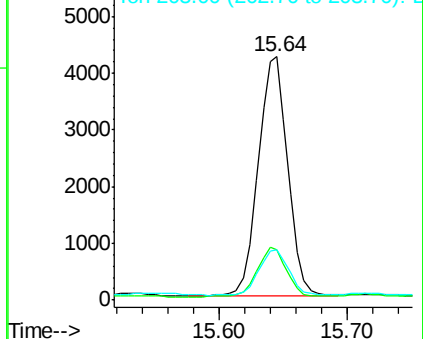
203 19.1 13.8 20.8

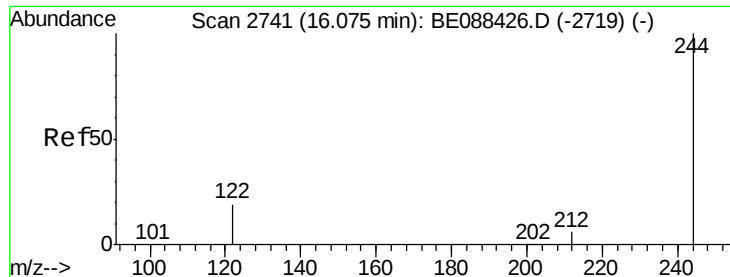


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 39.57 ng

RT: 16.11 min Scan# 2747

Delta R.T. 0.03 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB44-1014RE

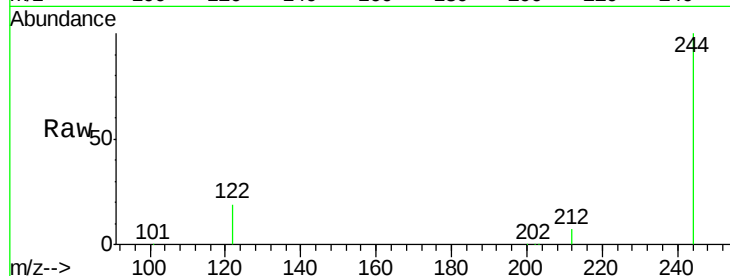
Tgt Ion:244 Resp: 484229

Ion Ratio Lower Upper

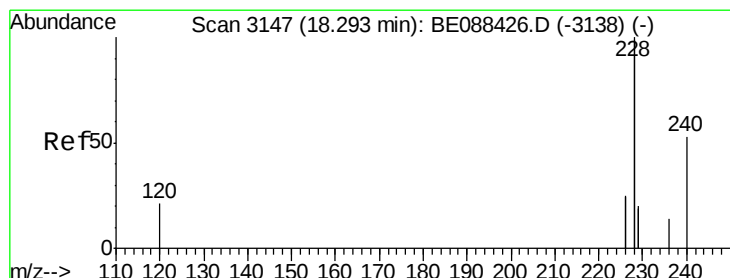
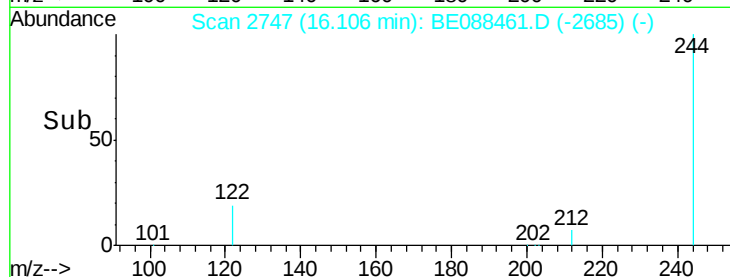
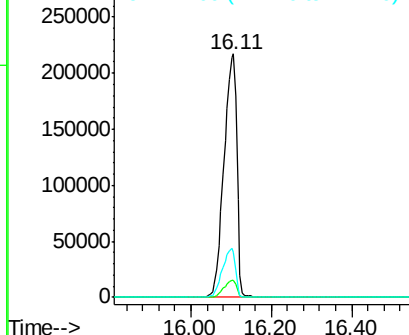
244 100

212 7.0 5.5 8.3

122 18.6 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



#19

Benzo(a)anthracene

Concen: 0.20 ng

RT: 18.31 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

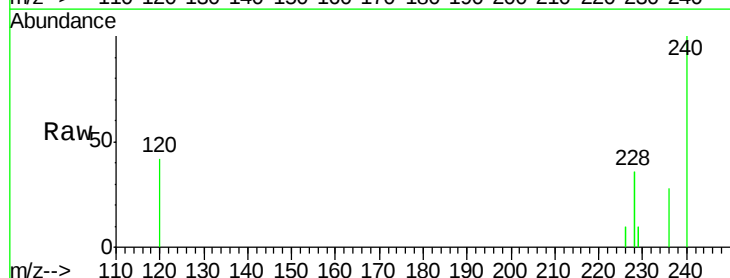
Tgt Ion:228 Resp: 12450

Ion Ratio Lower Upper

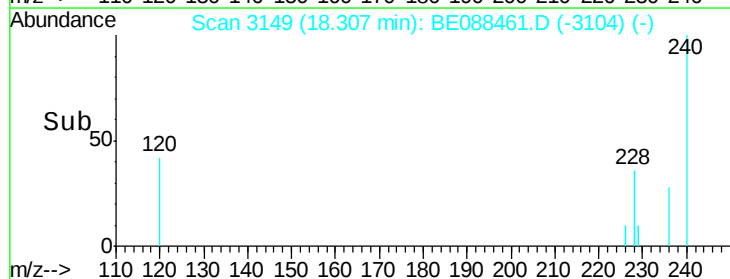
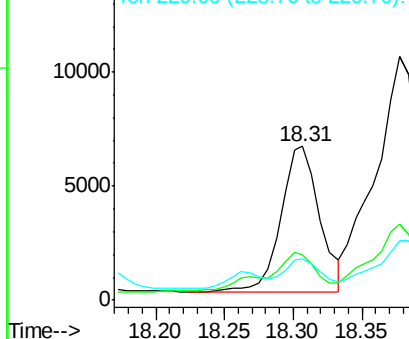
228 100

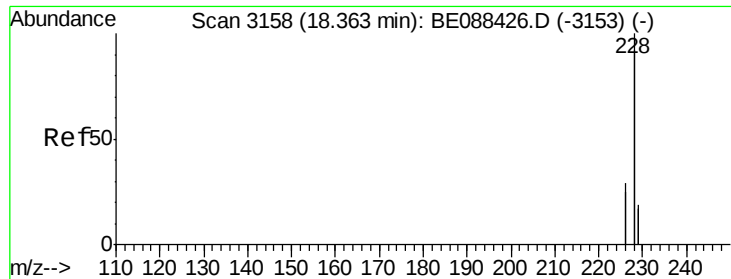
226 29.2 19.8 29.6

229 27.1 16.0 24.0#



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: 0.37 ng

RT: 18.38 min Scan# 3160

Delta R.T. 0.01 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB44-1014RE

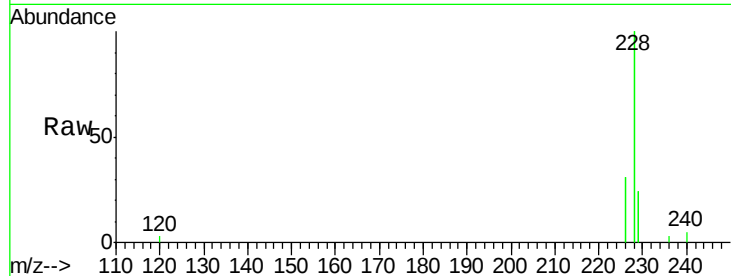
Tgt Ion:228 Resp: 22939

Ion Ratio Lower Upper

228 100

226 31.4 23.6 35.4

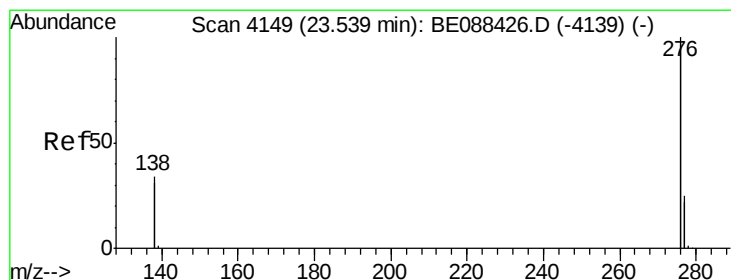
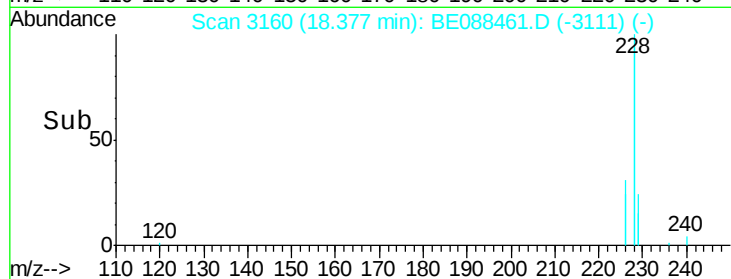
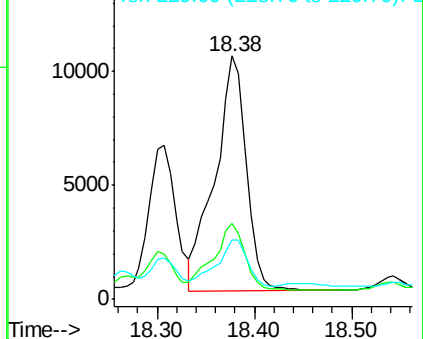
229 24.3 15.4 23.2#



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: 0.23 ng

RT: 23.57 min Scan# 4154

Delta R.T. 0.03 min

Lab File: BE088461.D

Acq: 1 Nov 2014 20:57

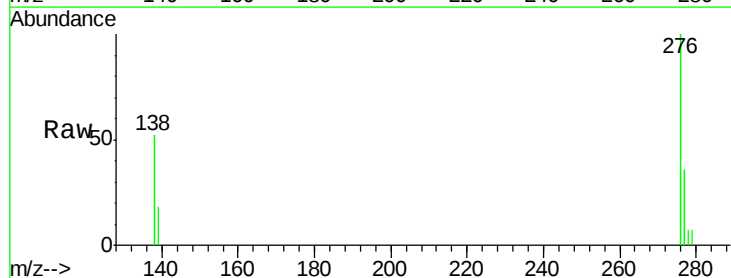
Tgt Ion:276 Resp: 13216

Ion Ratio Lower Upper

276 100

138 35.0 20.2 30.2#

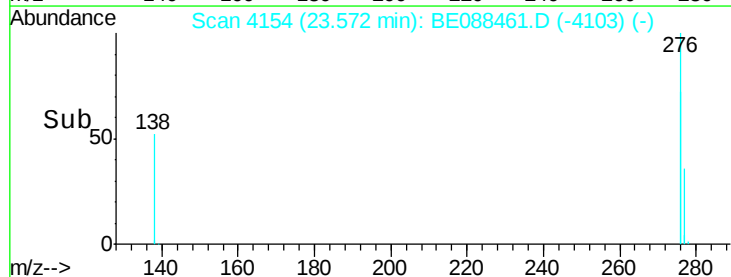
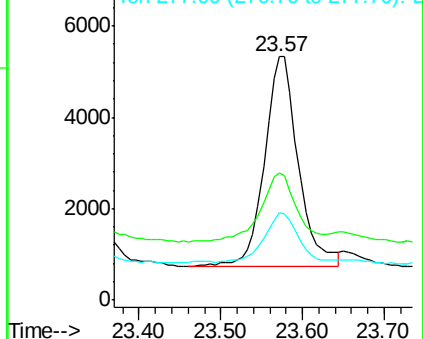
277 23.0 14.8 22.2#

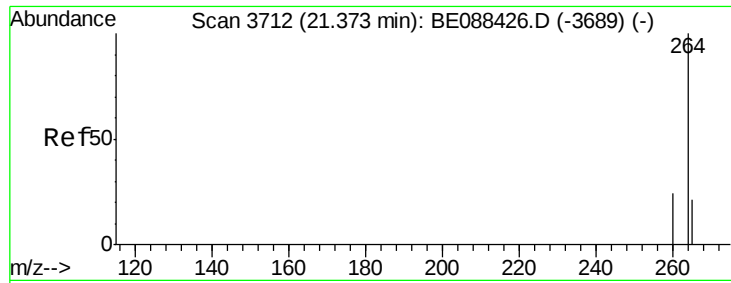


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

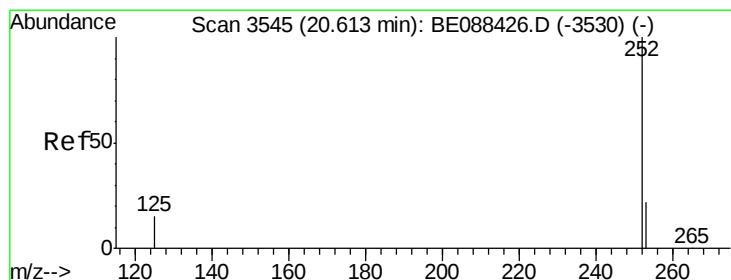
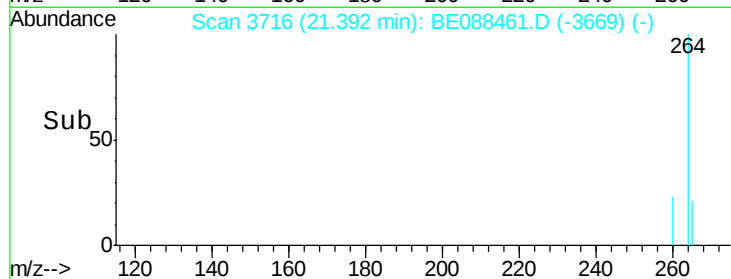
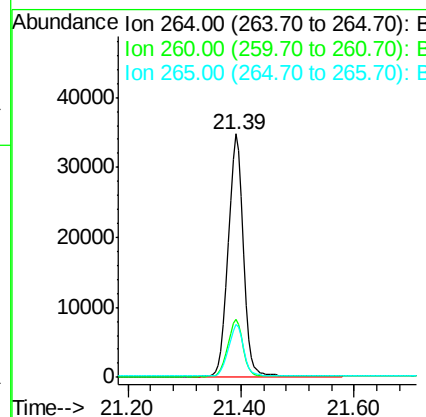
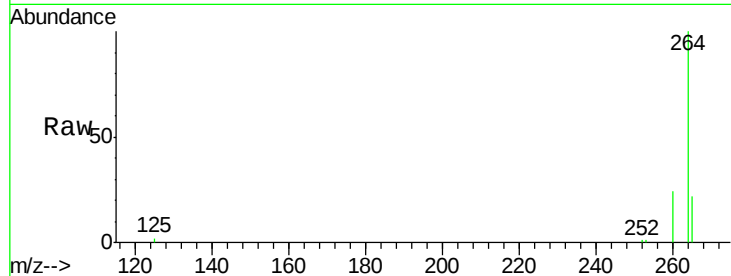




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.39 min Scan# 3716
 Delta R.T. 0.02 min
 Lab File: BE088461.D
 Acq: 1 Nov 2014 20:57

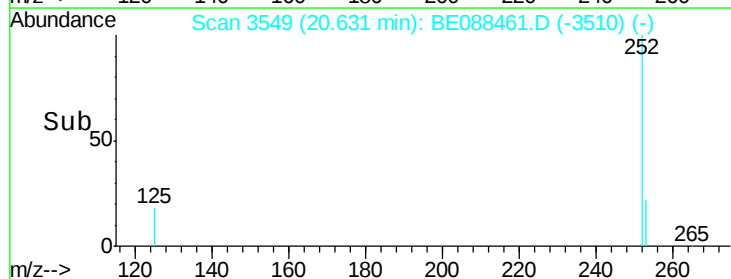
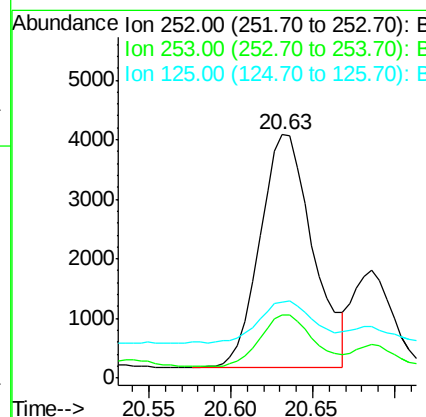
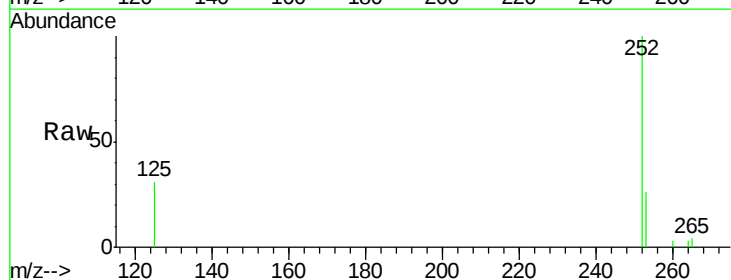
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB44-1014RE

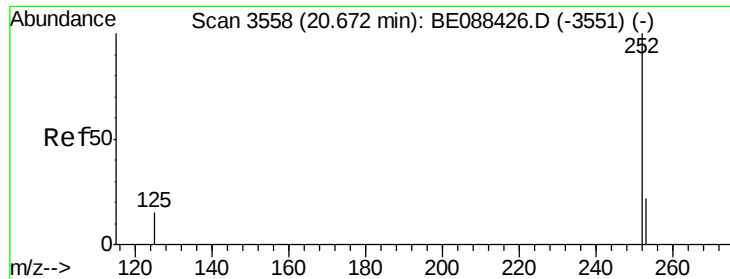
Tgt Ion: 264 Resp: 64589
 Ion Ratio Lower Upper
 264 100
 260 23.7 18.9 28.3
 265 21.9 17.2 25.8



#23
 Benzo(b)fluoranthene
 Concen: 0.62 ng
 RT: 20.63 min Scan# 3549
 Delta R.T. 0.02 min
 Lab File: BE088461.D
 Acq: 1 Nov 2014 20:57

Tgt Ion: 252 Resp: 8802
 Ion Ratio Lower Upper
 252 100
 253 26.0 17.8 26.8
 125 31.4 12.3 18.5#

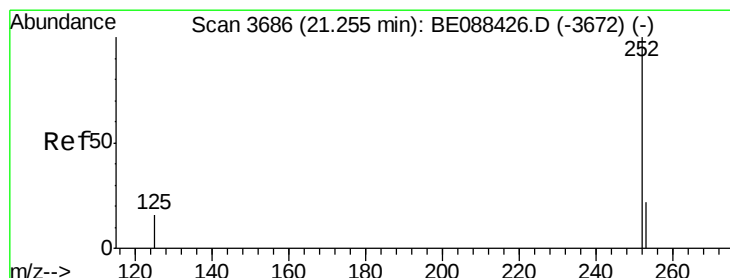
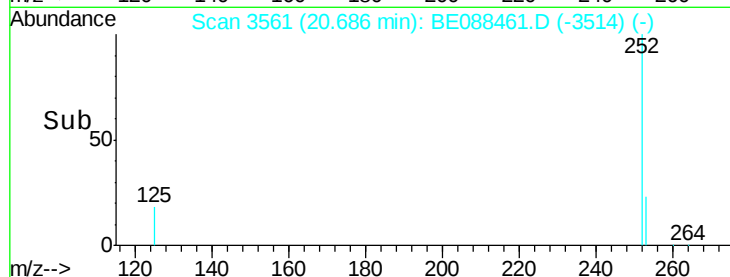
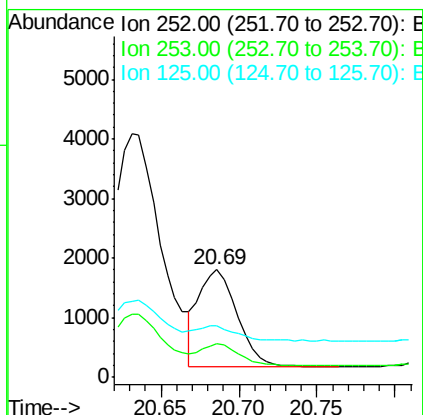
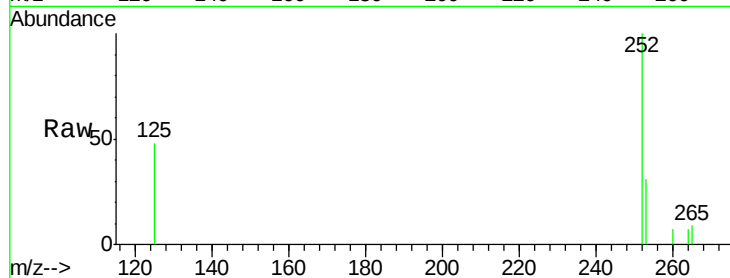




#24
Benzo(k)fluoranthene
Concen: 0.18 ng
RT: 20.69 min Scan# 3561
Delta R.T. 0.01 min
Lab File: BE088461.D
Acq: 1 Nov 2014 20:57

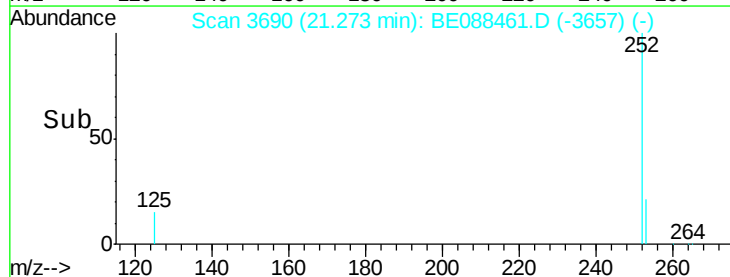
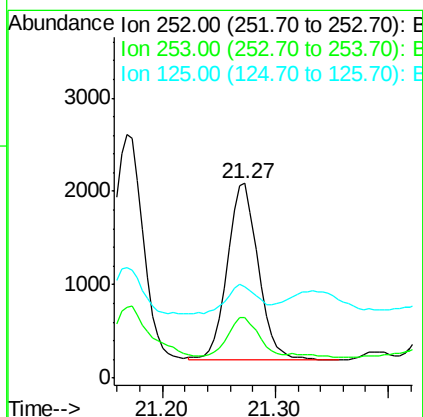
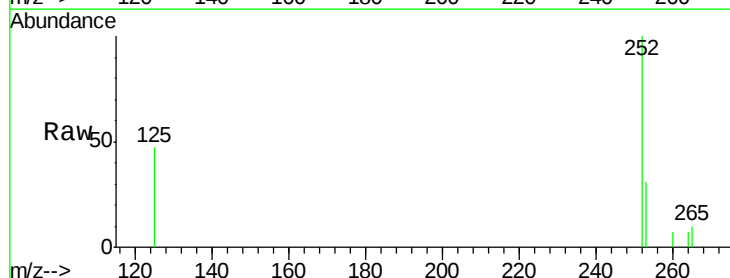
Instrument :
BNA_E
ClientSampleId :
YS19-SB44-1014RE

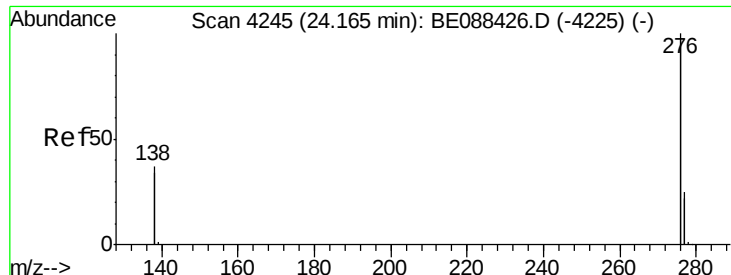
Tgt Ion:252 Resp: 2811
Ion Ratio Lower Upper
252 100
253 31.0 17.8 26.8#
125 47.6 12.2 18.4#



#25
Benzo(a)pyrene
Concen: 0.26 ng
RT: 21.27 min Scan# 3690
Delta R.T. 0.02 min
Lab File: BE088461.D
Acq: 1 Nov 2014 20:57

Tgt Ion:252 Resp: 3517
Ion Ratio Lower Upper
252 100
253 31.3 18.2 27.4#
125 46.8 13.7 20.5#





#27

Benzo(g,h,i)perylene

Concen: 0.24 ng

RT: 24.20 min Scan# 4251

Delta R.T. 0.04 min

Lab File: BE088461.D

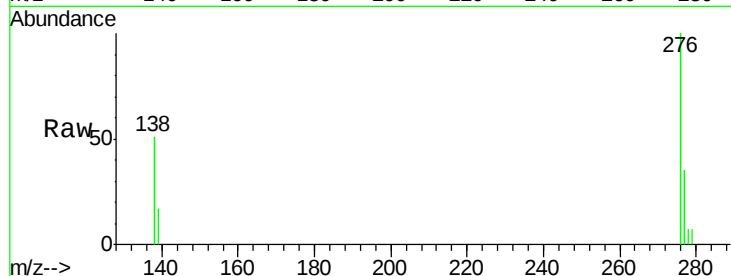
Acq: 1 Nov 2014 20:57

Instrument :

BNA_E

ClientSampleId :

YS19-SB44-1014RE



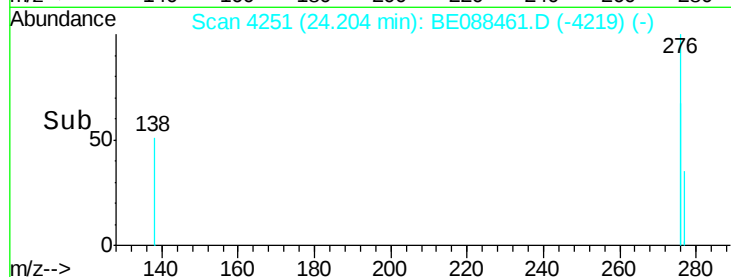
Tgt Ion: 276 Resp: 13745

Ion Ratio Lower Upper

276 100

277 35.1 19.8 29.6#

138 51.4 29.3 43.9#



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

