

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088450.D
 Acq On : 1 Nov 2014 7:32
 Operator : TP/JJ
 Sample : F4379-12
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB36-1014

Quant Time: Nov 02 04:16:12 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	28776	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	108537	5.00	ng	0.00
7) Acenaphthene-d10	10.80	164	51753	5.00	ng	0.01
12) Phenanthrene-d10	12.91	188	88126	5.00	ng	0.00
16) Chrysene-d12	18.33	240	37959	5.00	ng	0.02
22) Perylene-d12	21.39	264	35508	5.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.79	82	470335	59.09	ng	0.02
8) 2-Fluorobiphenyl	10.00	172	517334	35.47	ng	0.01
18) Terphenyl-d14	16.10	244	325781	46.72	ng	0.03

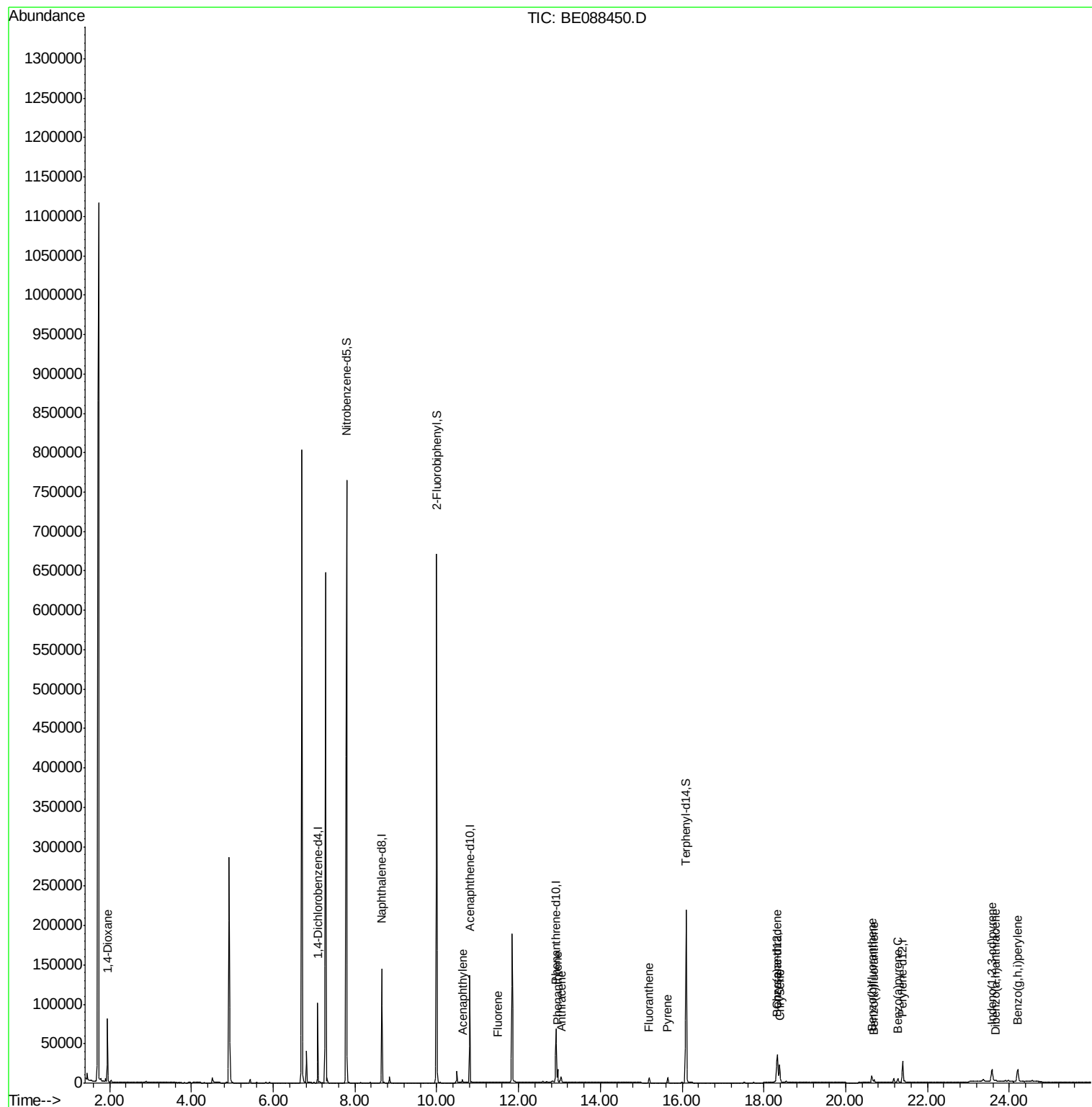
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.95	88	2558	0.68	ng	# 1
9) Acenaphthylene	10.63	152	4216	0.05	ng	# 89
11) Fluorene	11.50	166	364	0.03	ng	# 84
13) Phenanthrene	12.96	178	23264	0.29	ng	# 81
14) Anthracene	13.04	178	7574	0.12	ng	# 87
15) Fluoranthene	15.19	202	6739	0.52	ng	100
17) Pyrene	15.64	202	6702	0.54	ng	97
19) Benzo(a)anthracene	18.31	228	17568	0.49	ng	95
20) Chrysene	18.38	228	31618	0.90	ng	97
21) Indeno(1,2,3-cd)pyrene	23.58	276	26788	0.82	ng	# 84
23) Benzo(b)fluoranthene	20.64	252	13871	1.78	ng	# 94
24) Benzo(k)fluoranthene	20.69	252	4400	0.51	ng	# 90
25) Benzo(a)pyrene	21.27	252	7556	1.01	ng	# 93
26) Dibenzo(a,h)anthracene	23.66	278	1530	0.22	ng	# 65
27) Benzo(g,h,i)perylene	24.20	276	29735	0.93	ng	96

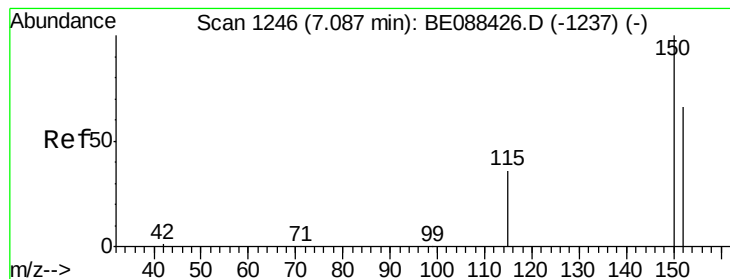
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1247

Delta R.T. 0.00 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

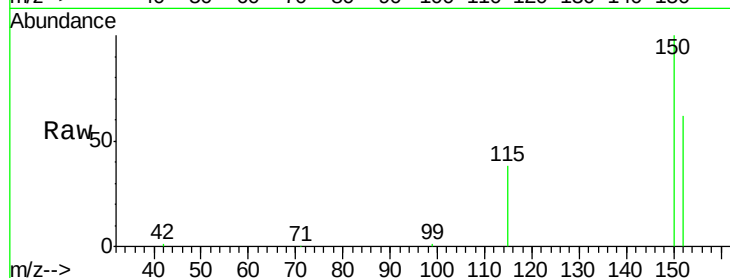
Tgt Ion:152 Resp: 28776

Ion Ratio Lower Upper

152 100

150 161.0 121.8 182.8

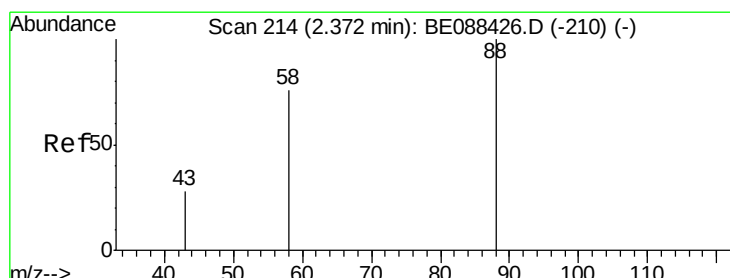
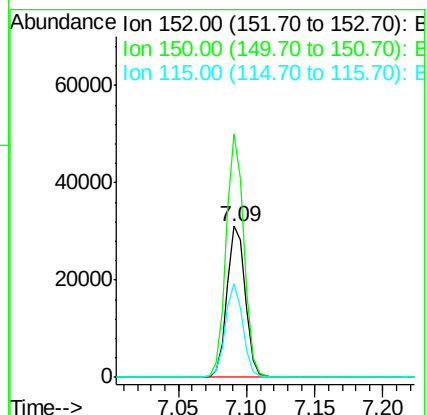
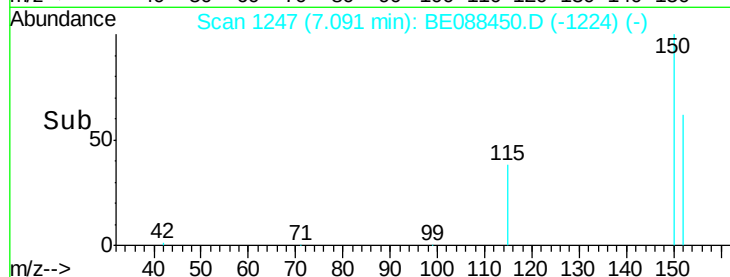
115 61.8 43.9 65.9



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: 0.68 ng

RT: 1.95 min Scan# 122

Delta R.T. -0.42 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

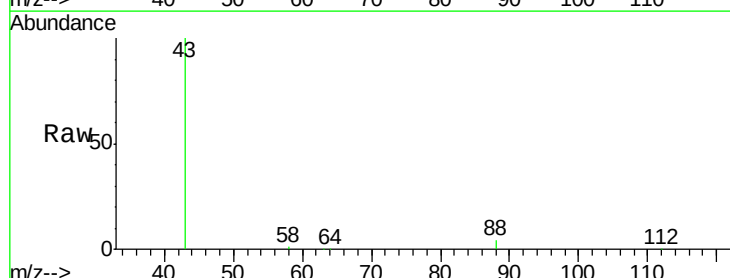
Tgt Ion: 88 Resp: 2558

Ion Ratio Lower Upper

88 100

58 25.1 59.1 88.7#

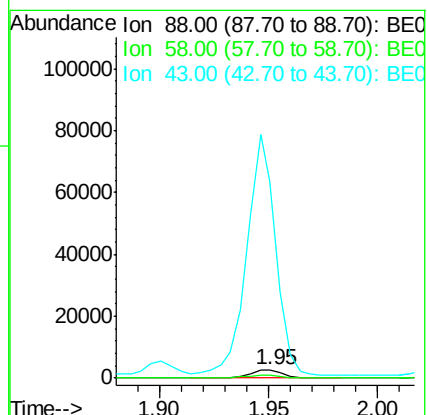
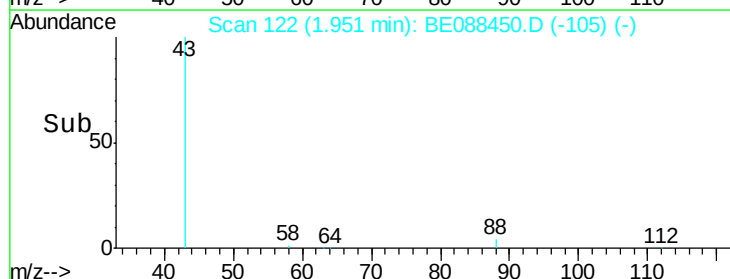
43 2814.3 21.9 32.9#

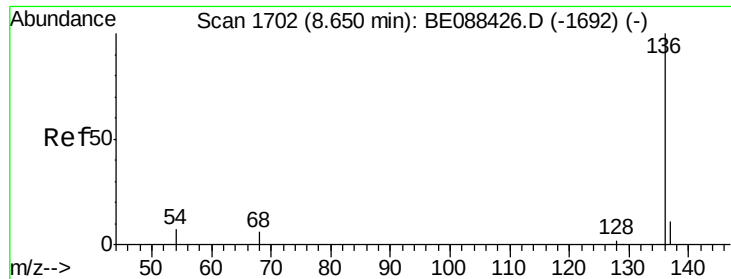


Abundance Ion 88.00 (87.70 to 88.70): BE0

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# 1703

Delta R.T. 0.00 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

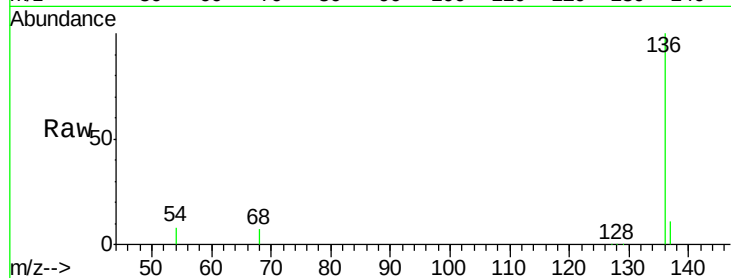
Tgt Ion: 136 Resp: 108537

Ion Ratio Lower Upper

136 100

137 11.0 8.8 13.2

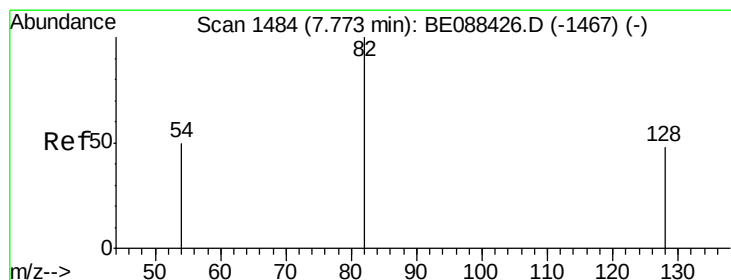
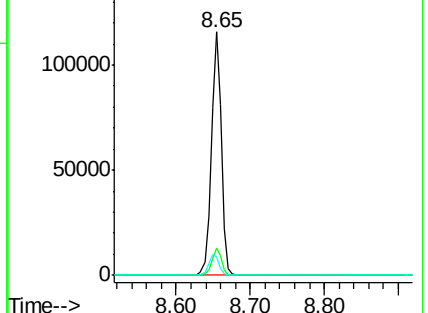
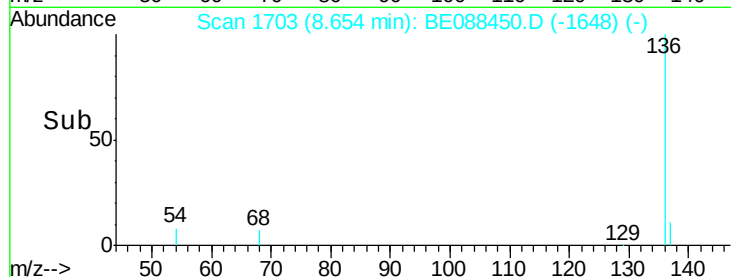
54 7.7 5.3 7.9



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: 59.09 ng

RT: 7.79 min Scan# 1493

Delta R.T. 0.02 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

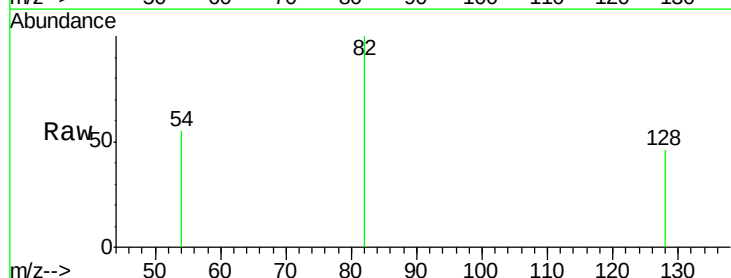
Tgt Ion: 82 Resp: 470335

Ion Ratio Lower Upper

82 100

128 46.0 38.4 57.6

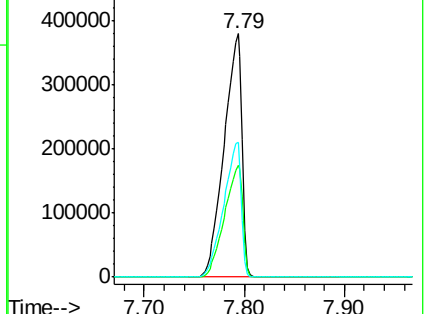
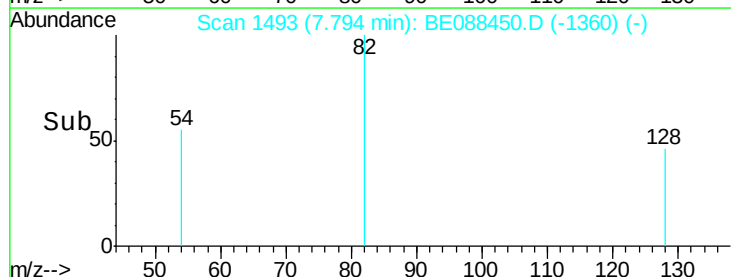
54 55.4 40.2 60.2

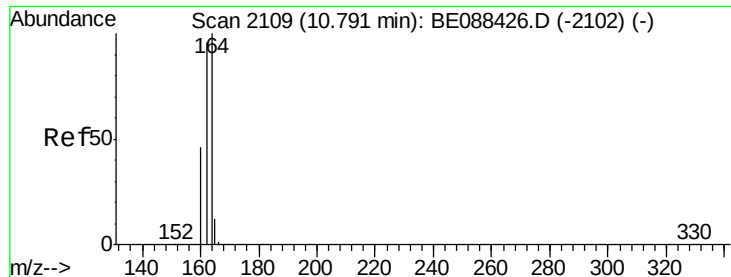


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.80 min Scan# 2110

Delta R.T. 0.01 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

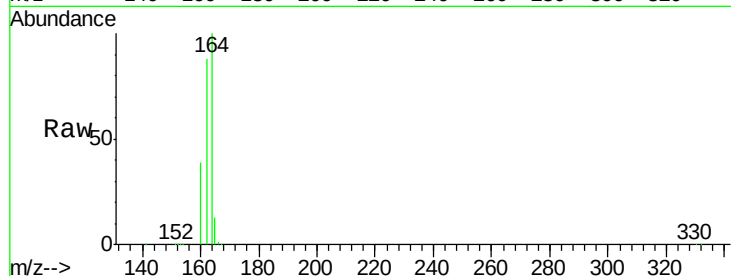
Tgt Ion:164 Resp: 51753

Ion Ratio Lower Upper

164 100

162 88.3 77.0 115.4

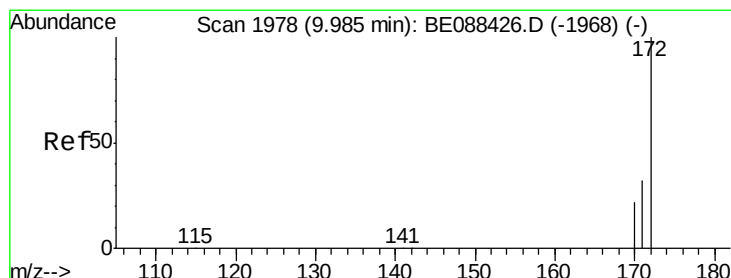
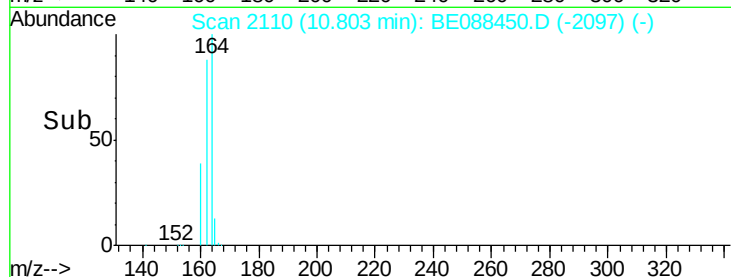
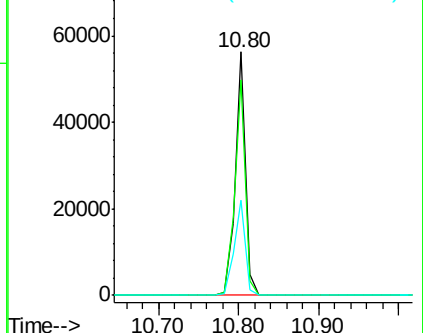
160 39.0 36.8 55.2



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: 35.47 ng

RT: 10.00 min Scan# 1981

Delta R.T. 0.01 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

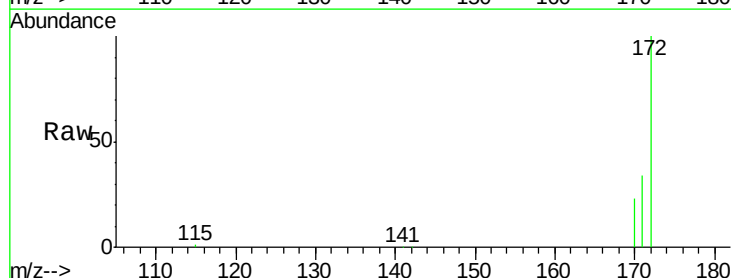
Tgt Ion:172 Resp: 517334

Ion Ratio Lower Upper

172 100

171 33.8 26.0 39.0

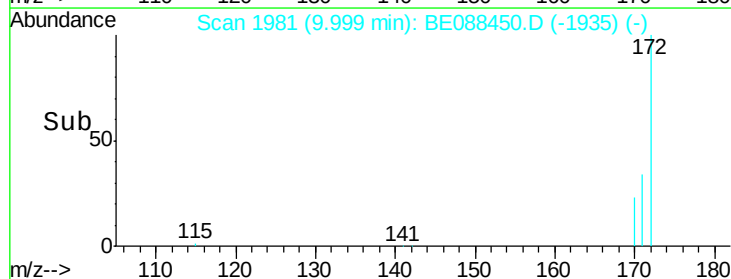
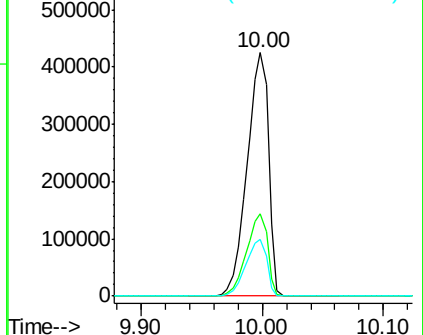
170 23.4 17.6 26.4

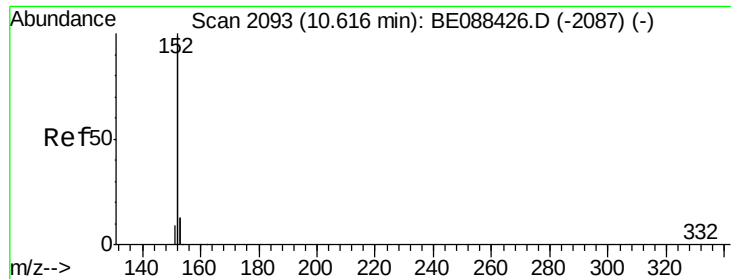


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 0.05 ng

RT: 10.63 min Scan# 2094

Delta R.T. 0.01 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

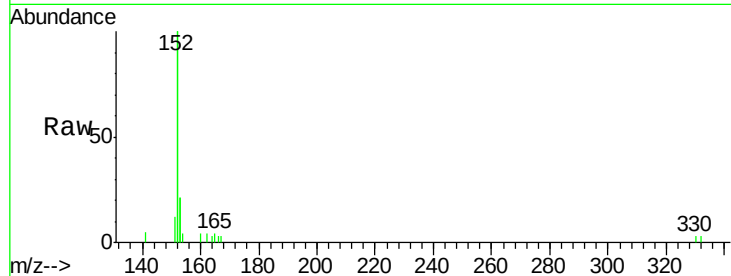
Tgt Ion:152 Resp: 4216

Ion Ratio Lower Upper

152 100

151 3.3 4.4 6.6#

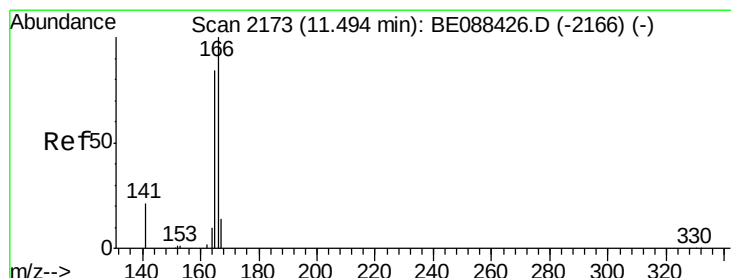
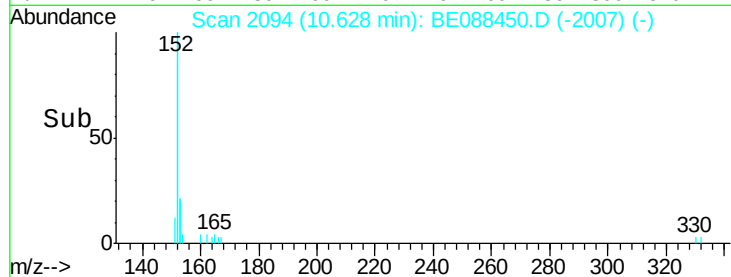
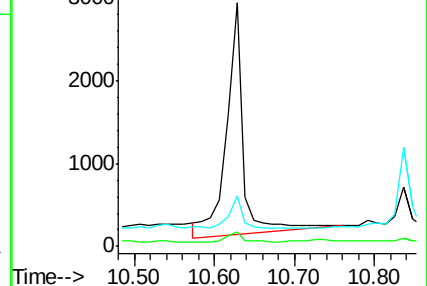
153 18.2 10.5 15.7#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#11

Fluorene

Concen: 0.03 ng

RT: 11.50 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

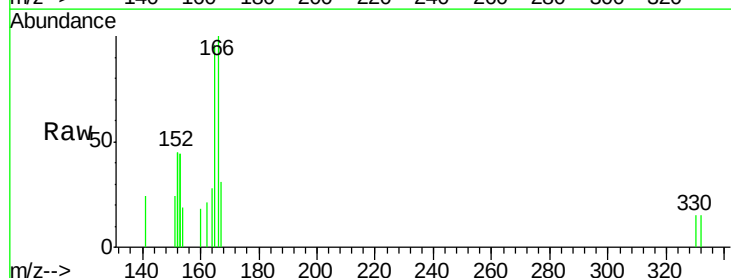
Tgt Ion:166 Resp: 364

Ion Ratio Lower Upper

166 100

165 103.0 71.3 106.9

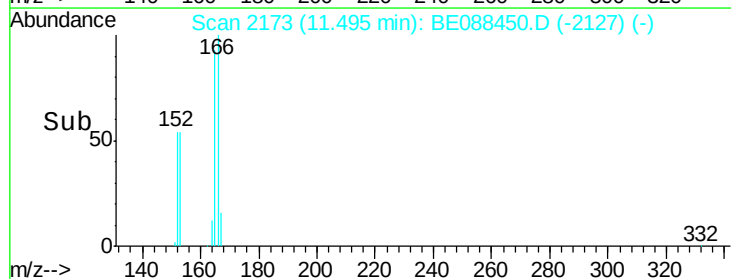
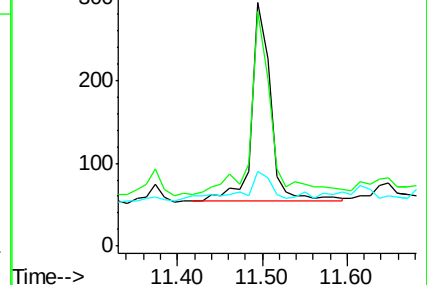
167 22.0 10.7 16.1#

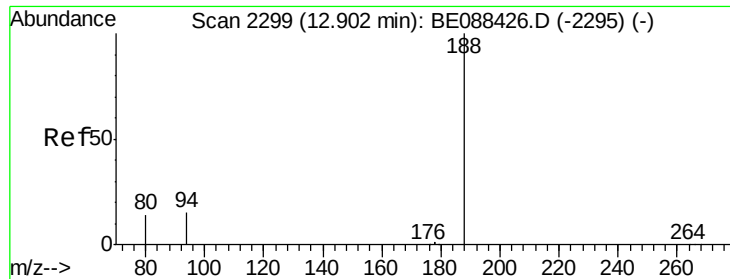


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

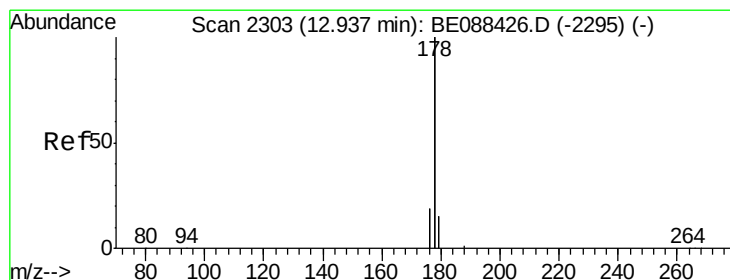
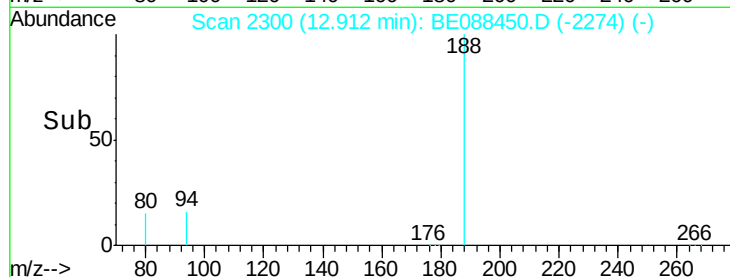
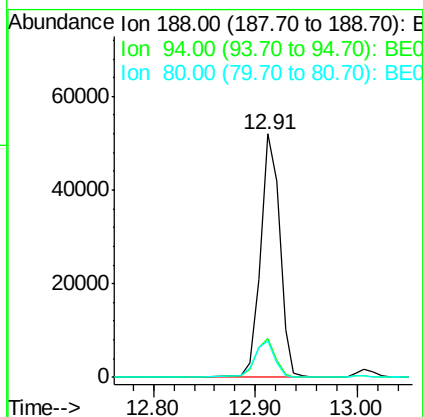
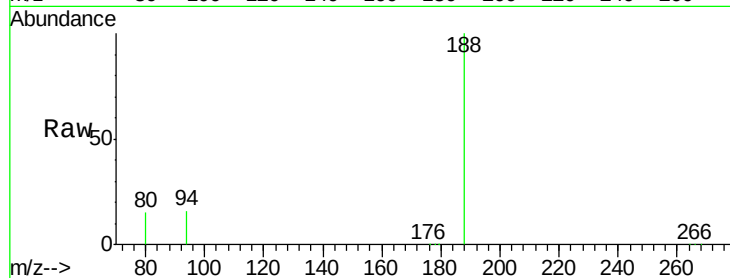




#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.91 min Scan# 2300
Delta R.T. 0.01 min
Lab File: BE088450.D
Acq: 1 Nov 2014 7:32

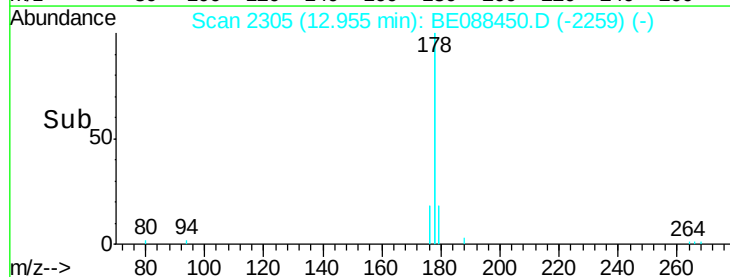
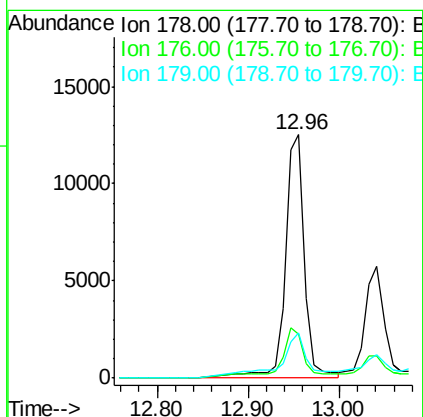
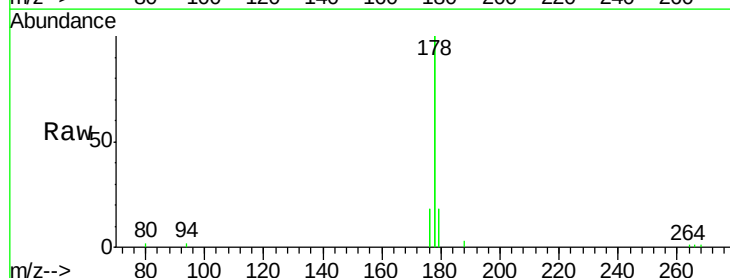
Instrument :
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YS19-SB36-1014

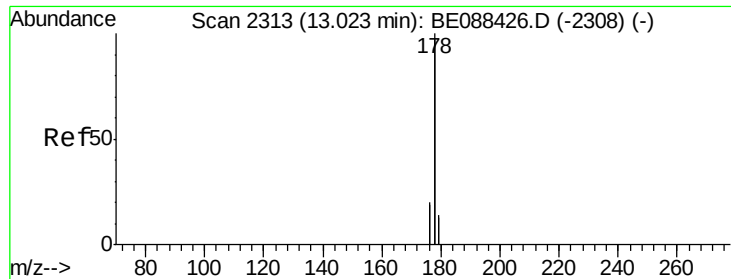
Tgt Ion:188 Resp: 88126
Ion Ratio Lower Upper
188 100
94 15.9 11.8 17.8
80 15.0 10.9 16.3



#13
Phenanthrene
Concen: 0.29 ng
RT: 12.96 min Scan# 2305
Delta R.T. 0.02 min
Lab File: BE088450.D
Acq: 1 Nov 2014 7:32

Tgt Ion:178 Resp: 23264
Ion Ratio Lower Upper
178 100
176 25.5 15.4 23.2#
179 27.1 12.8 19.2#





#14

Anthracene

Concen: 0.12 ng

RT: 13.04 min Scan# 2315

Delta R.T. 0.02 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

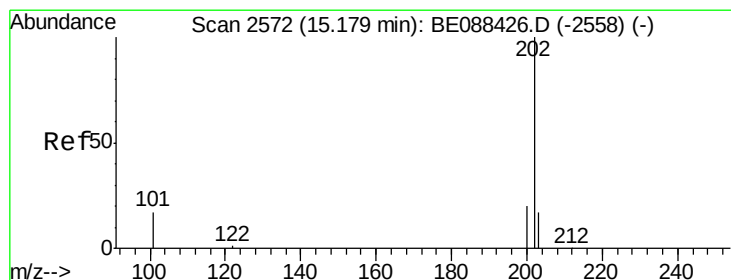
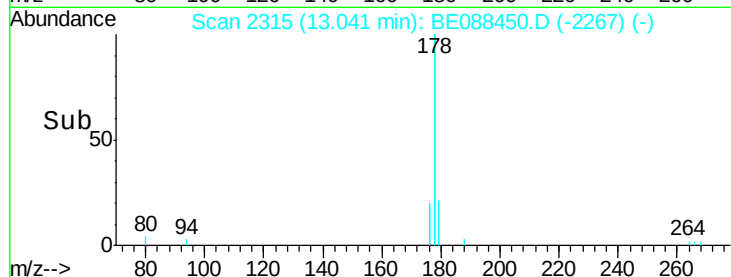
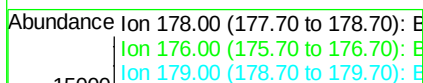
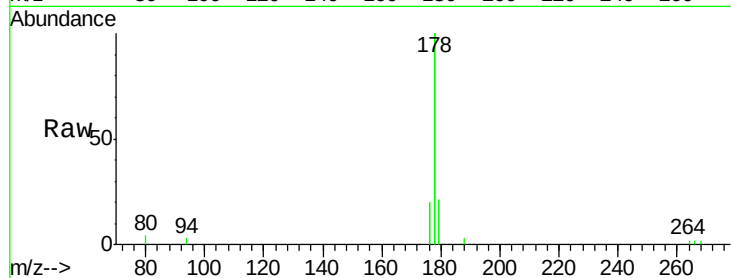
Tgt Ion:178 Resp: 7574

Ion Ratio Lower Upper

178 100

176 21.3 15.0 22.4

179 25.0 12.5 18.7#



#15

Fluoranthene

Concen: 0.52 ng

RT: 15.19 min Scan# 2574

Delta R.T. 0.01 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

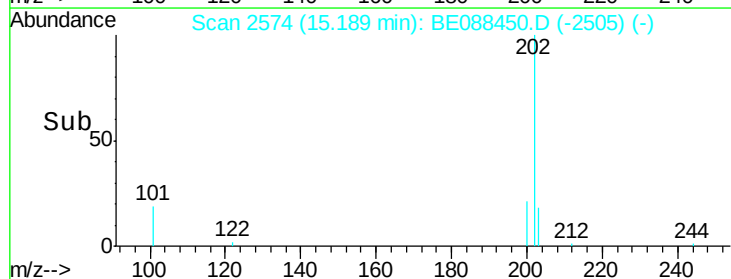
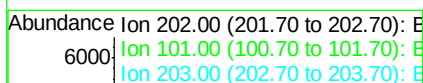
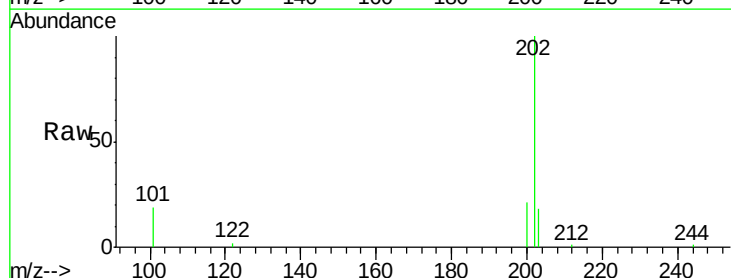
Tgt Ion:202 Resp: 6739

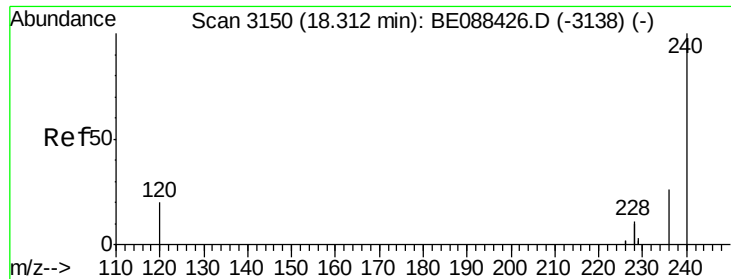
Ion Ratio Lower Upper

202 100

101 18.0 14.3 21.5

203 17.0 13.6 20.4





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.33 min Scan# 3153

Delta R.T. 0.02 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

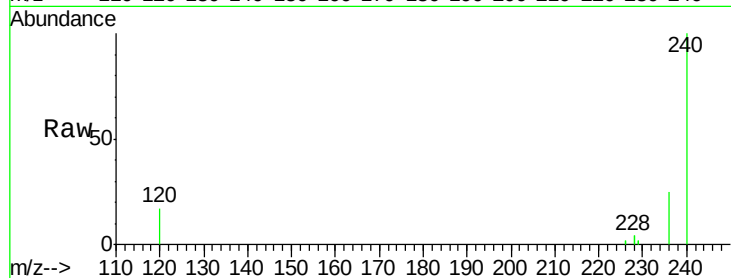
Tgt Ion:240 Resp: 37959

Ion Ratio Lower Upper

240 100

120 16.6 16.4 24.6

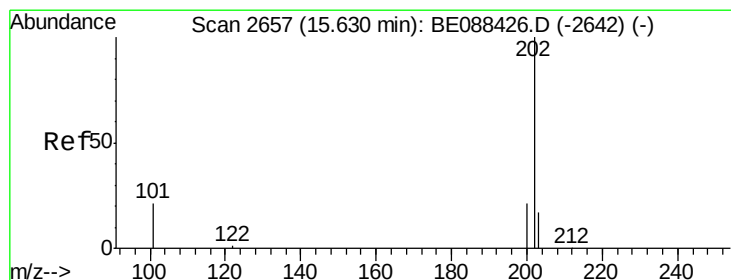
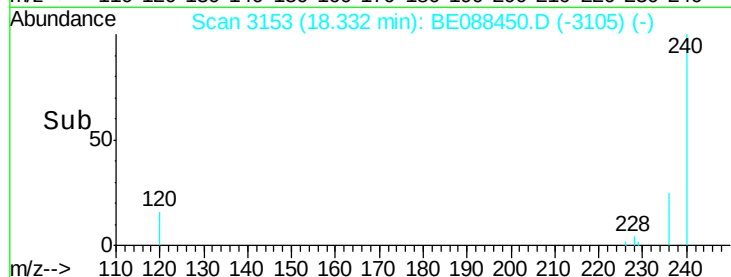
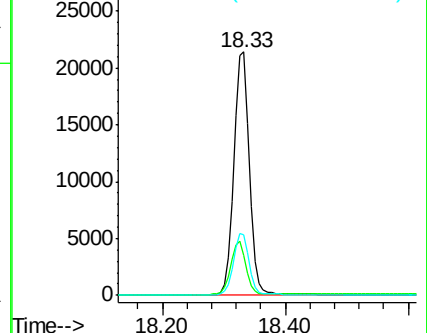
236 25.0 20.5 30.7



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: 0.54 ng

RT: 15.64 min Scan# 2660

Delta R.T. 0.01 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

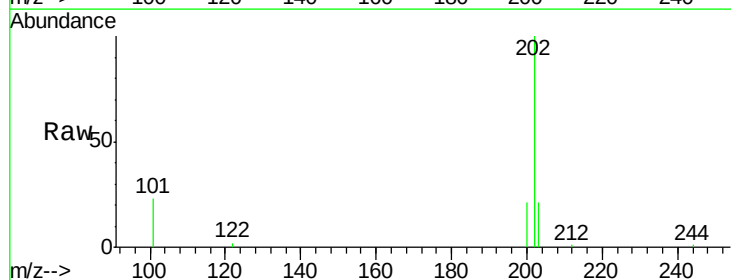
Tgt Ion:202 Resp: 6702

Ion Ratio Lower Upper

202 100

200 20.2 16.1 24.1

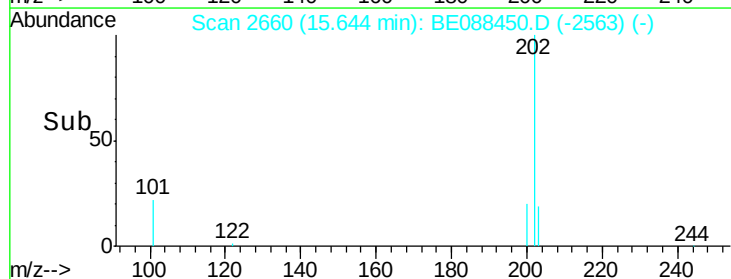
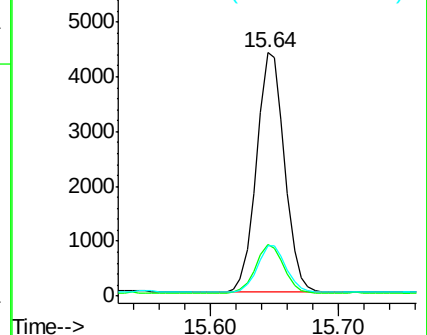
203 20.0 13.8 20.8

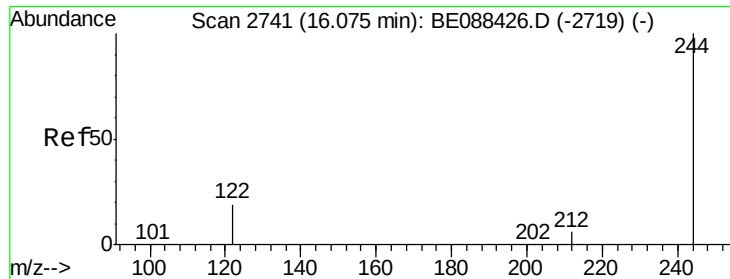


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Terphenyl-d14

Concen: 46.72 ng

RT: 16.10 min Scan# 2746

Delta R.T. 0.03 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

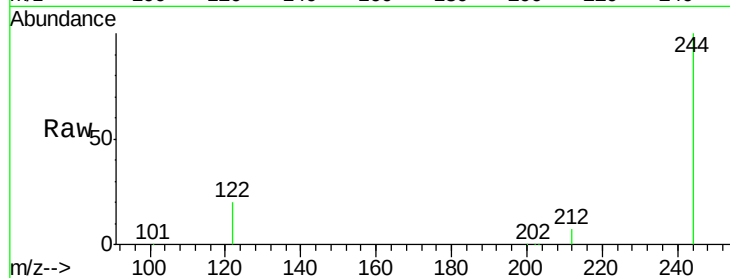
Tgt Ion:244 Resp: 325781

Ion Ratio Lower Upper

244 100

212 7.2 5.5 8.3

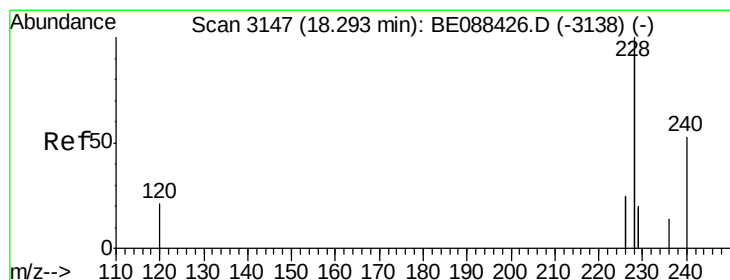
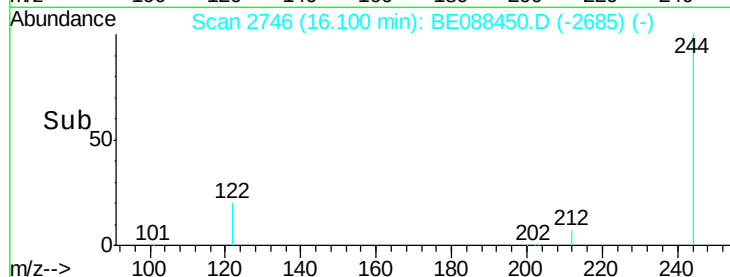
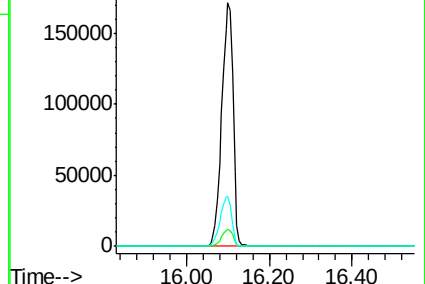
122 20.4 15.6 23.4



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: 0.49 ng

RT: 18.31 min Scan# 3149

Delta R.T. 0.01 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

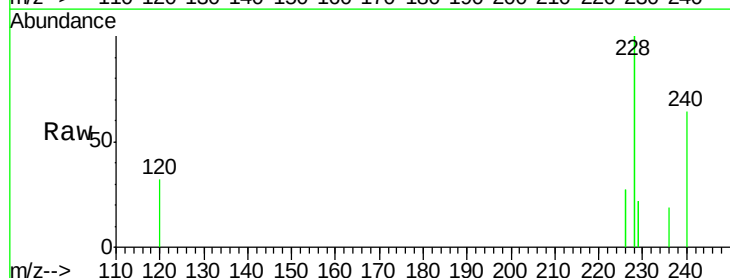
Tgt Ion:228 Resp: 17568

Ion Ratio Lower Upper

228 100

226 27.4 19.8 29.6

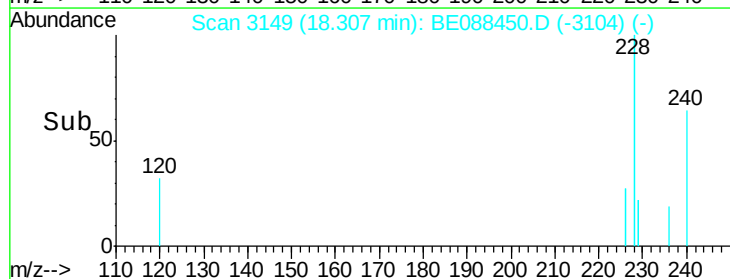
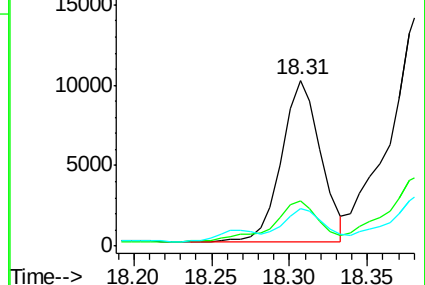
229 22.5 16.0 24.0

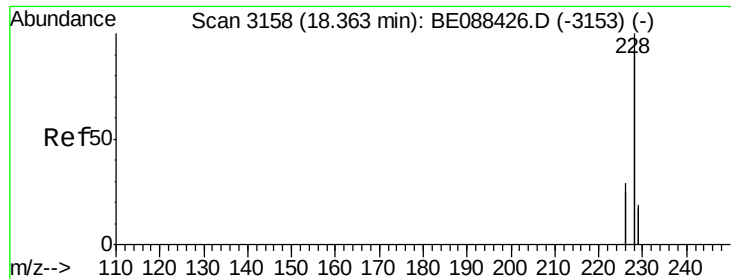


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#20

Chrysene

Concen: 0.90 ng

RT: 18.38 min Scan# 3161

Delta R.T. 0.02 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

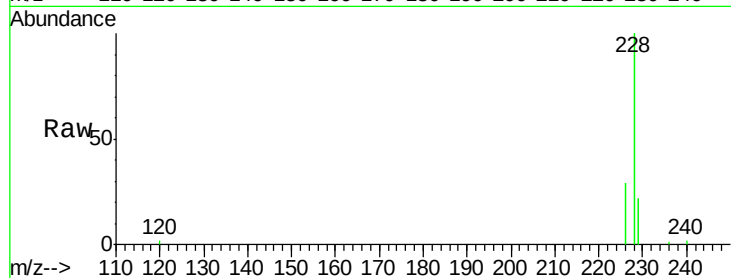
Tgt Ion:228 Resp: 31618

Ion Ratio Lower Upper

228 100

226 29.1 23.6 35.4

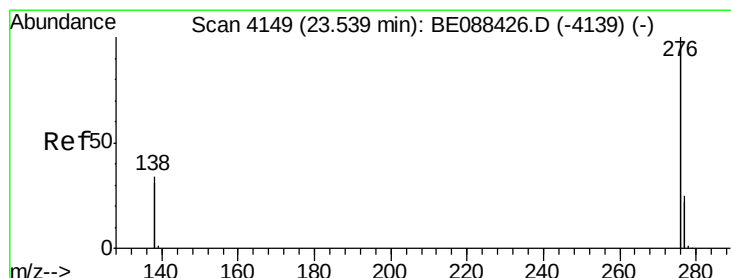
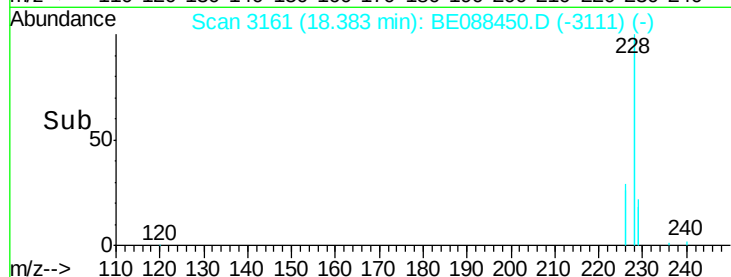
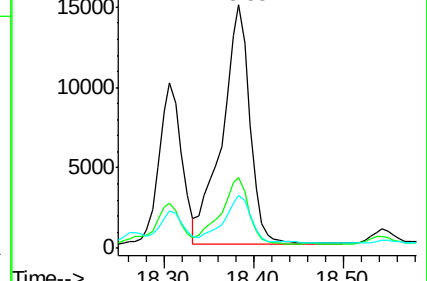
229 21.9 15.4 23.2



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: 0.82 ng

RT: 23.58 min Scan# 4155

Delta R.T. 0.04 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

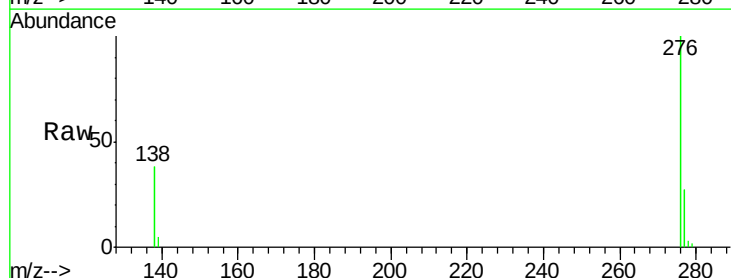
Tgt Ion:276 Resp: 26788

Ion Ratio Lower Upper

276 100

138 34.4 20.2 30.2#

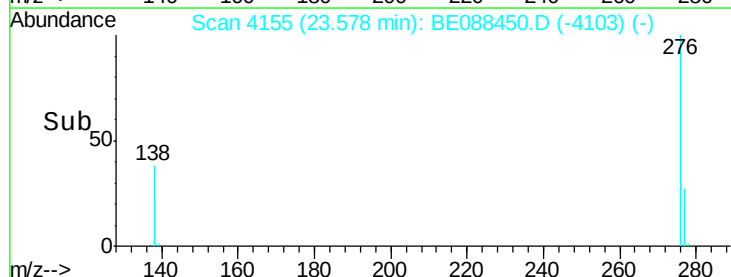
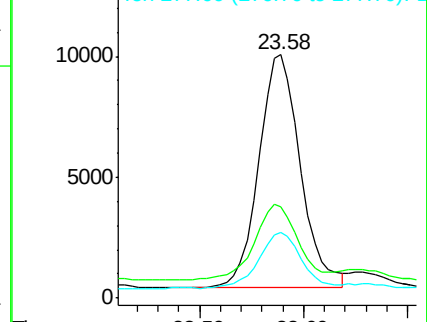
277 24.6 14.8 22.2#

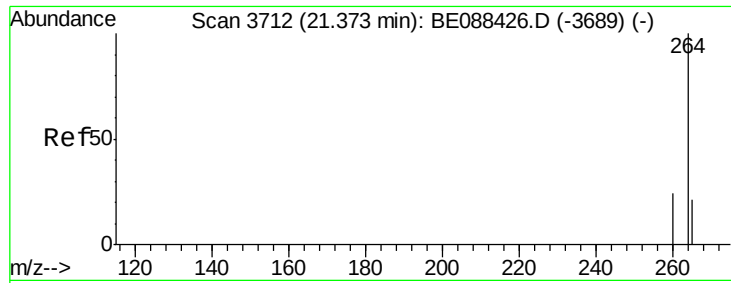


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

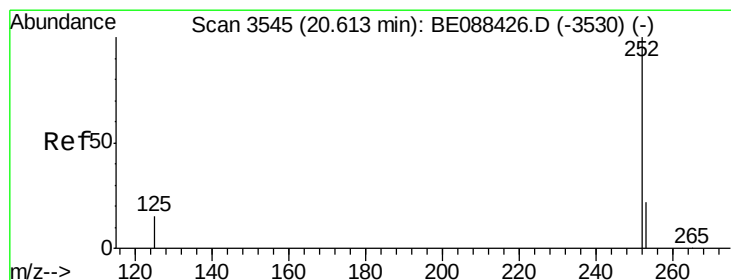
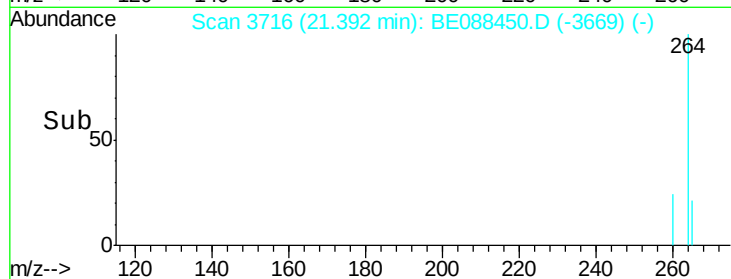
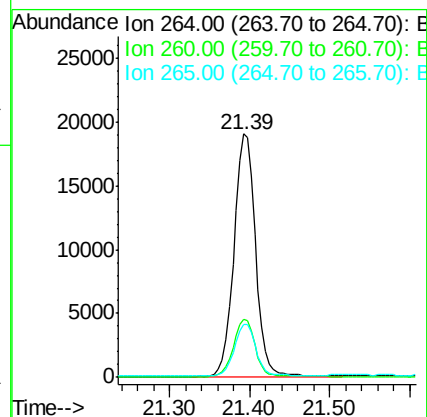
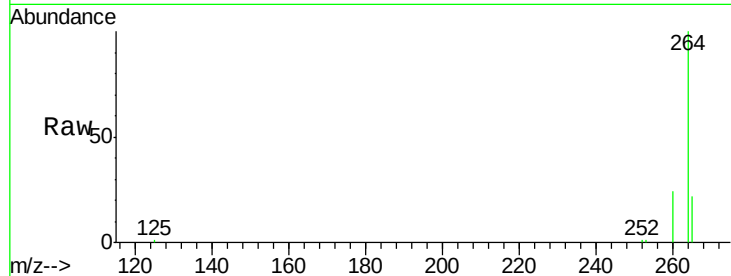




#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 21.39 min Scan# 3716
 Delta R.T. 0.02 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

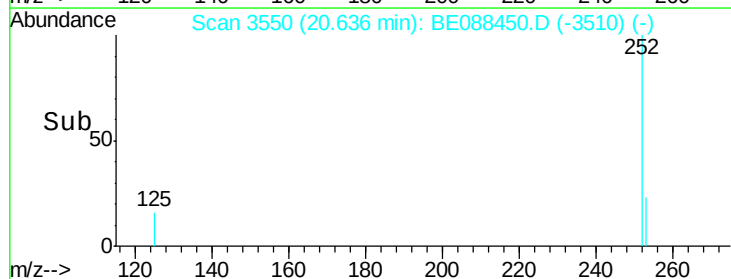
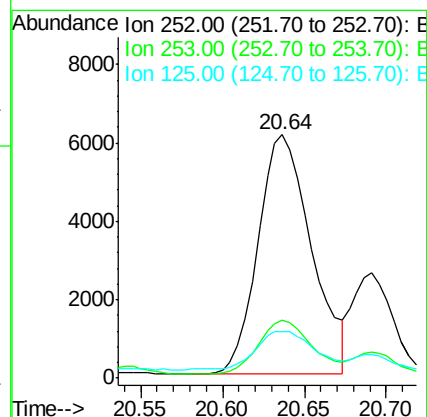
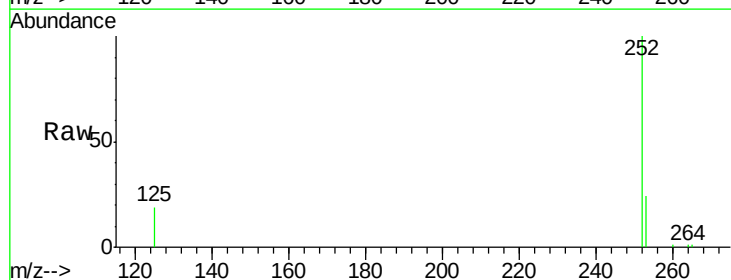
Instrument :
 BNA_E
 ClientSampleId :
 YS19-SB36-1014

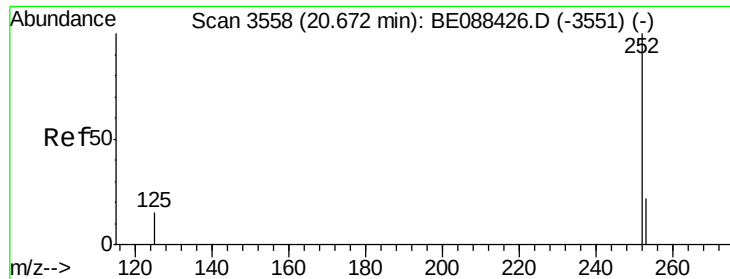
Tgt Ion: 264 Resp: 35508
 Ion Ratio Lower Upper
 264 100
 260 23.8 18.9 28.3
 265 21.6 17.2 25.8



#23
 Benzo(b)fluoranthene
 Concen: 1.78 ng
 RT: 20.64 min Scan# 3550
 Delta R.T. 0.02 min
 Lab File: BE088450.D
 Acq: 1 Nov 2014 7:32

Tgt Ion: 252 Resp: 13871
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.8 26.8
 125 19.3 12.3 18.5#





#24

Benzo(k)fluoranthene

Concen: 0.51 ng

RT: 20.69 min Scan# 3562

Delta R.T. 0.02 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

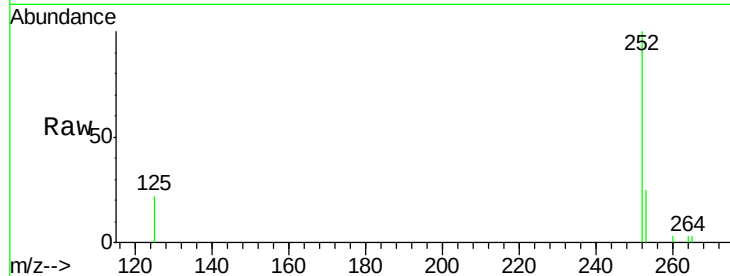
Tgt Ion:252 Resp: 4400

Ion Ratio Lower Upper

252 100

253 25.2 17.8 26.8

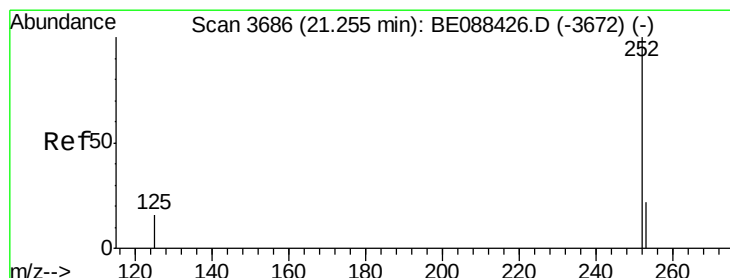
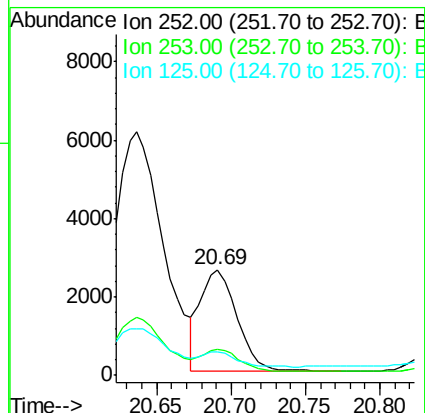
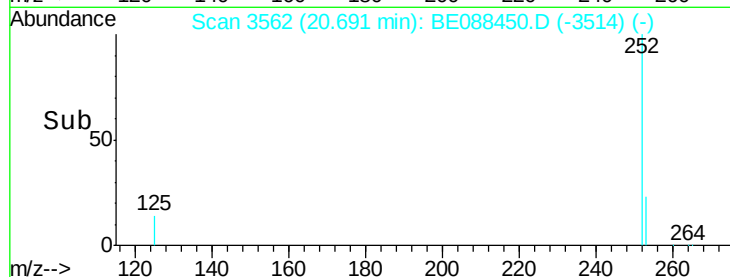
125 22.2 12.2 18.4#



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



#25

Benzo(a)pyrene

Concen: 1.01 ng

RT: 21.27 min Scan# 3690

Delta R.T. 0.02 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

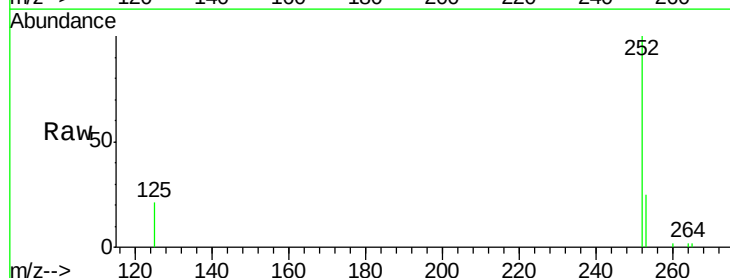
Tgt Ion:252 Resp: 7556

Ion Ratio Lower Upper

252 100

253 25.0 18.2 27.4

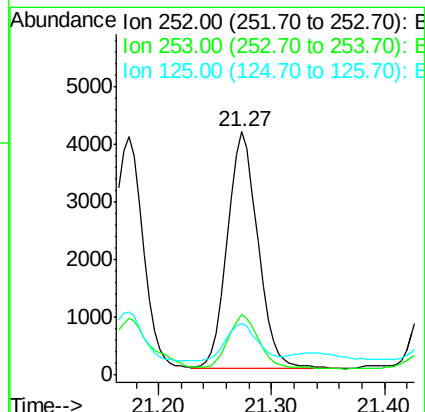
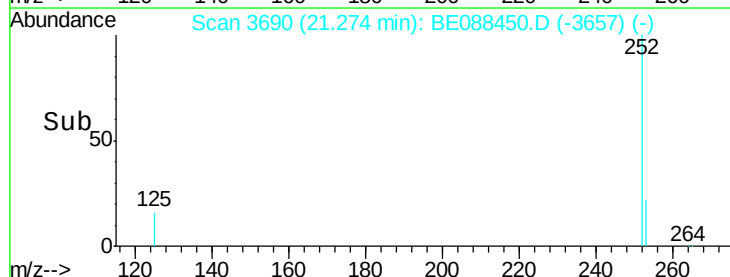
125 21.4 13.7 20.5#

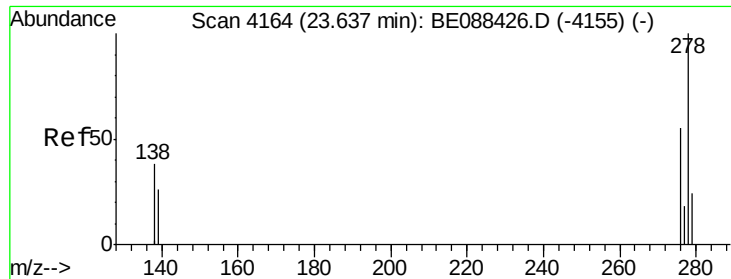


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Dibenzo(a,h)anthracene

Concen: 0.22 ng

RT: 23.66 min Scan# 4168

Delta R.T. 0.03 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

Instrument :

BNA_E

ClientSampleId :

YS19-SB36-1014

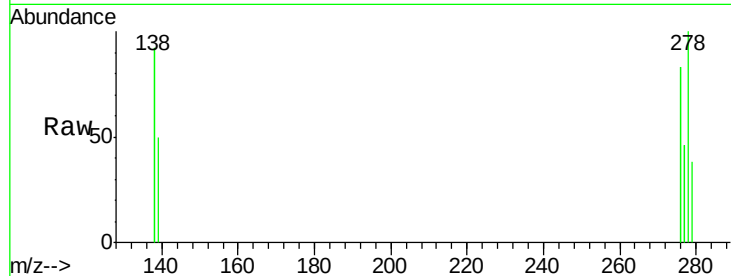
Tgt Ion: 278 Resp: 1530

Ion Ratio Lower Upper

278 100

139 50.3 22.1 33.1#

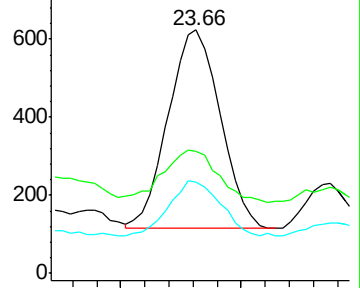
279 37.5 19.7 29.5#



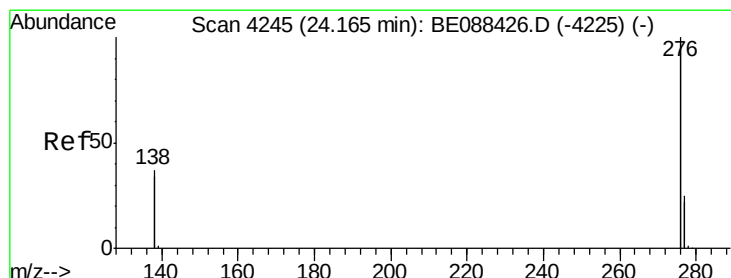
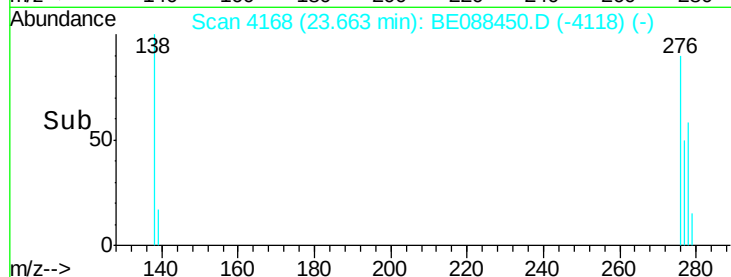
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#27

Benzo(g,h,i)perylene

Concen: 0.93 ng

RT: 24.20 min Scan# 4251

Delta R.T. 0.04 min

Lab File: BE088450.D

Acq: 1 Nov 2014 7:32

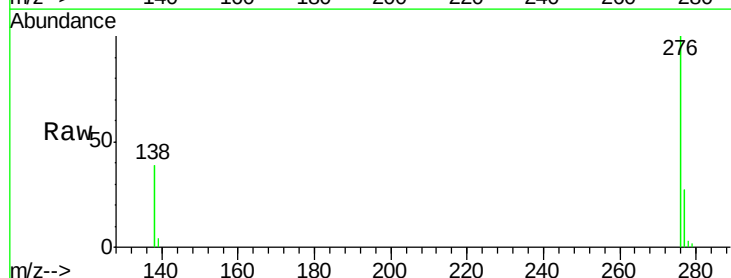
Tgt Ion: 276 Resp: 29735

Ion Ratio Lower Upper

276 100

277 26.5 19.8 29.6

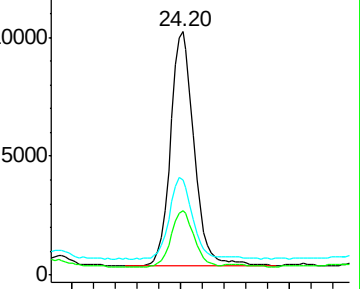
138 39.0 29.3 43.9



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



Time-->

