

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088435.D
 Acq On : 31 Oct 2014 23:11
 Operator : TP/JJ
 Sample : F4351-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SW04P-1014

Quant Time: Nov 01 03:14:19 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	48938	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	185579	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	79090	5.00	ng	0.00
12) Phenanthrene-d10	12.92	188	124478	5.00	ng	0.02
16) Chrysene-d12	18.31	240	64088	5.00	ng	0.00
22) Perylene-d12	21.37	264	59404	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.77	82	97448	7.16	ng	0.00
8) 2-Fluorobiphenyl	9.99	172	161141	7.23	ng	0.00
18) Terphenyl-d14	16.08	244	97872	8.31	ng	0.00

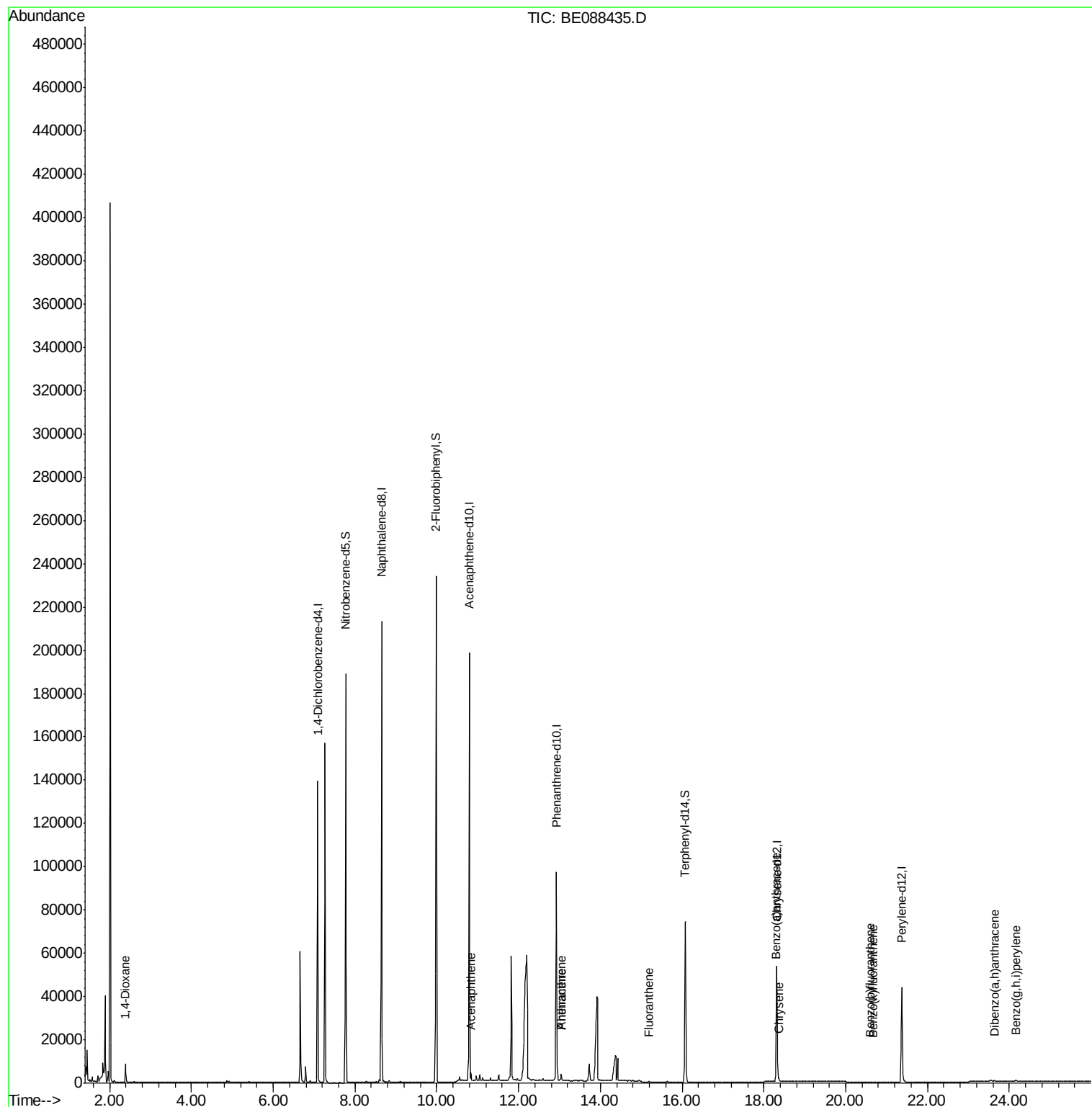
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.38	88	4563	0.71	ng	# 85
10) Acenaphthene	10.84	154	611	0.03	ng	83
13) Phenanthrene	13.04	178	3237	0.03	ng	95
14) Anthracene	13.04	178	3237	0.04	ng	95
15) Fluoranthene	15.19	202	447	0.02	ng	95
19) Benzo(a)anthracene	18.29	228	1880	0.03	ng	# 71
20) Chrysene	18.36	228	1372	0.02	ng	# 71
23) Benzo(b)fluoranthene	20.61	252	322	0.02	ng	# 41
24) Benzo(k)fluoranthene	20.67	252	322	0.02	ng	# 37
26) Dibenzo(a,h)anthracene	23.63	278	239	0.02	ng	# 19
27) Benzo(g,h,i)perylene	24.16	276	1118	0.02	ng	# 47

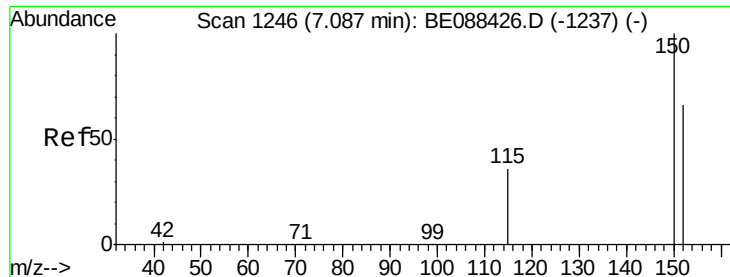
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE088435.D

Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

YS19-SW04P-1014

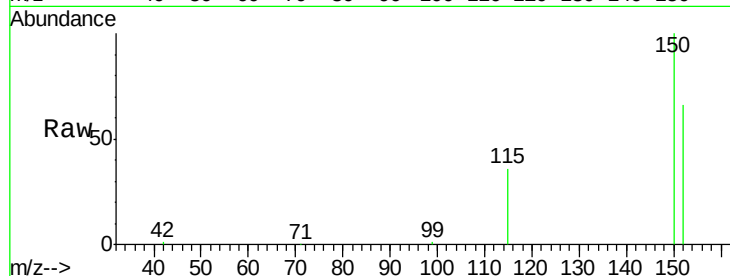
Tgt Ion:152 Resp: 48938

Ion Ratio Lower Upper

152 100

150 151.5 121.8 182.8

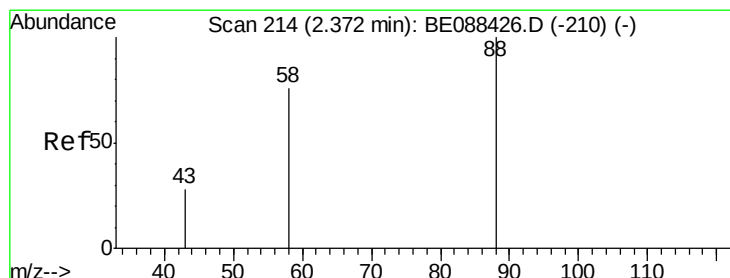
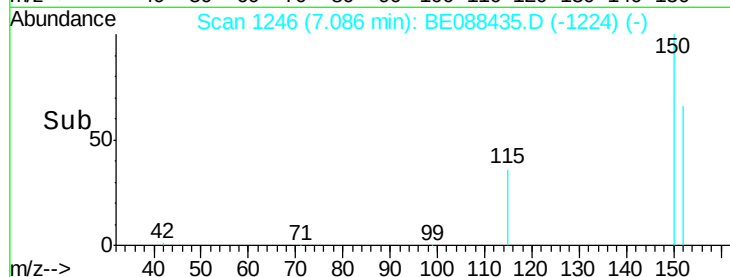
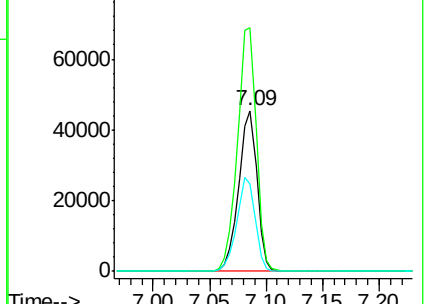
115 54.3 43.9 65.9



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: 0.71 ng

RT: 2.38 min Scan# 217

Delta R.T. 0.01 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

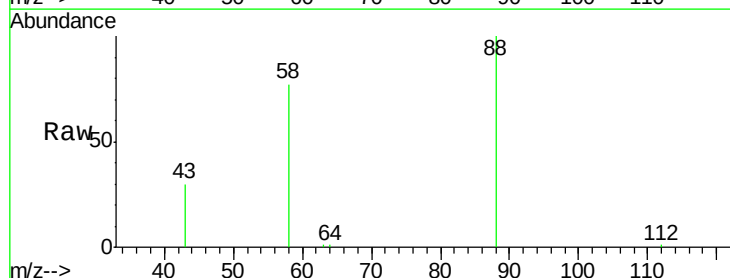
Tgt Ion: 88 Resp: 4563

Ion Ratio Lower Upper

88 100

58 73.0 59.1 88.7

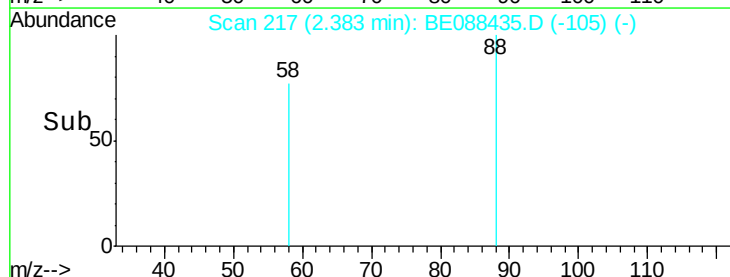
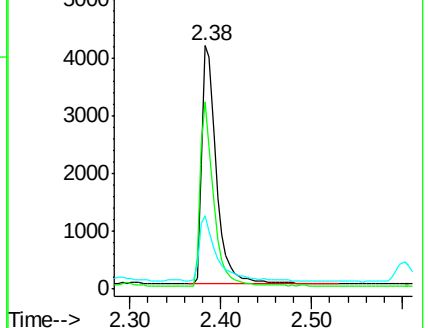
43 0.0 21.9 32.9#

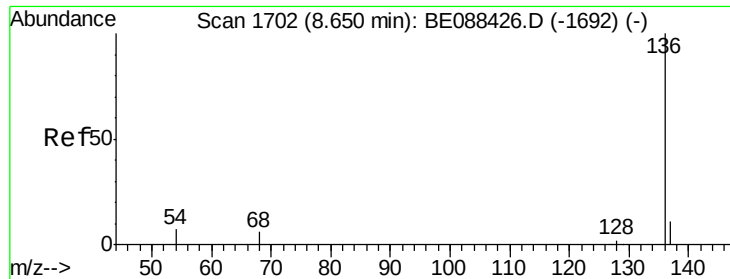


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

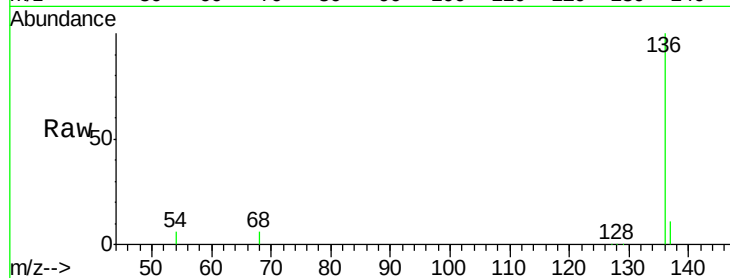




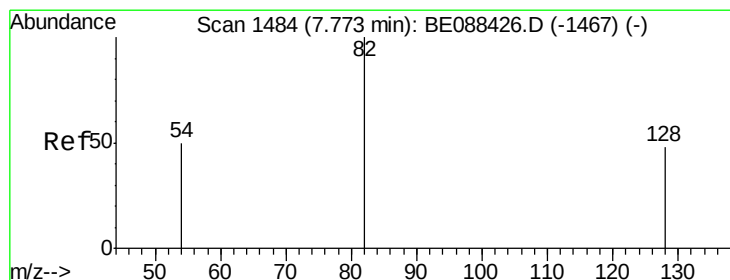
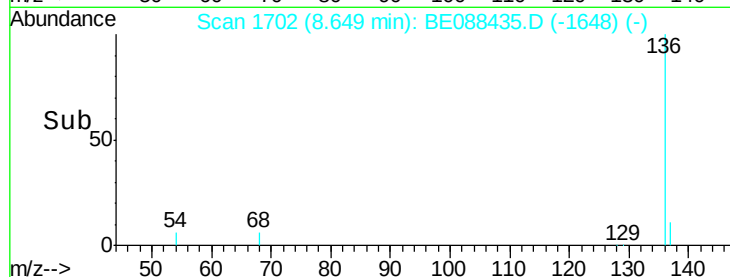
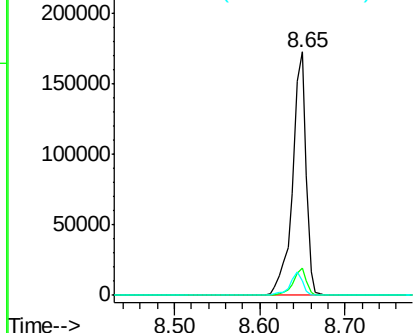
#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

Instrument :
BNA_E
ClientSampleId :
YS19-SW04P-1014

Tgt Ion: 136 Resp: 185579
Ion Ratio Lower Upper
136 100
137 11.3 8.8 13.2
54 6.0 5.3 7.9

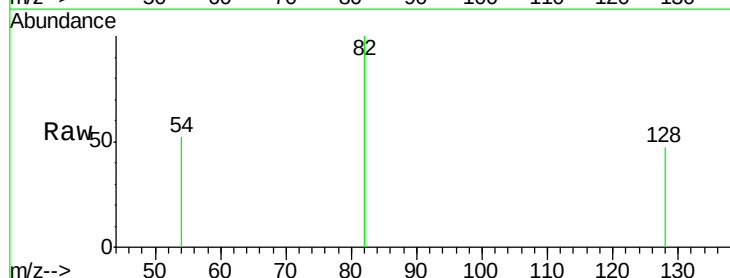


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0

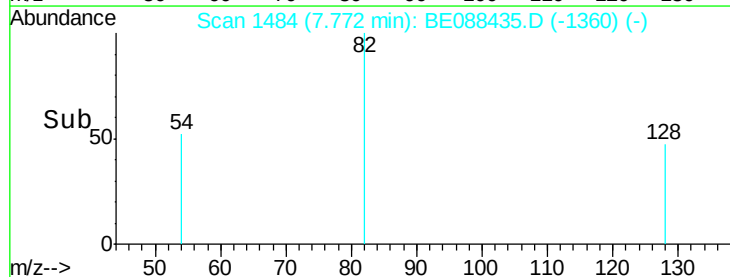
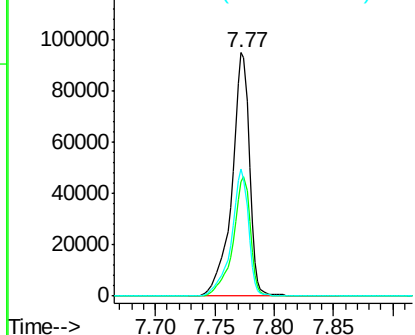


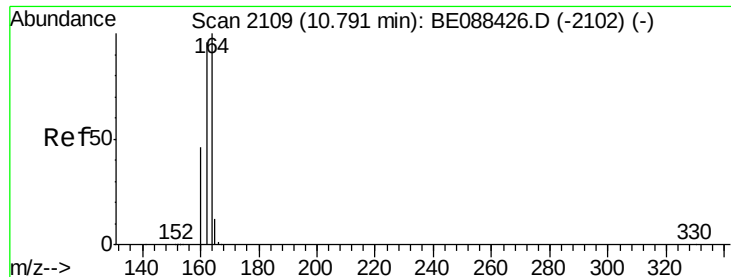
#4
Nitrobenzene-d5
Concen: 7.16 ng
RT: 7.77 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

Tgt Ion: 82 Resp: 97448
Ion Ratio Lower Upper
82 100
128 47.2 38.4 57.6
54 52.1 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: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

YS19-SW04P-1014

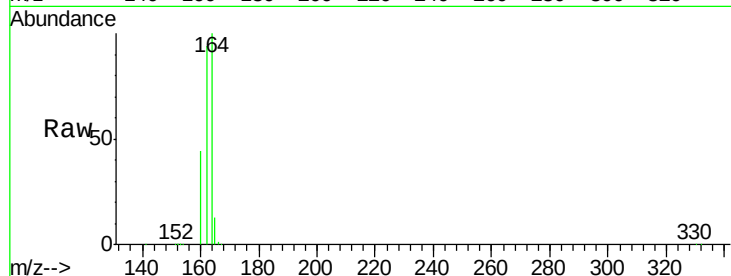
Tgt Ion:164 Resp: 79090

Ion Ratio Lower Upper

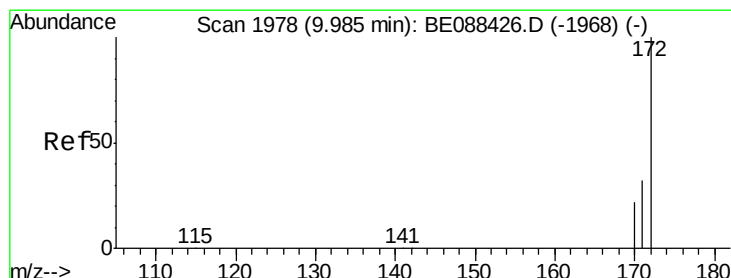
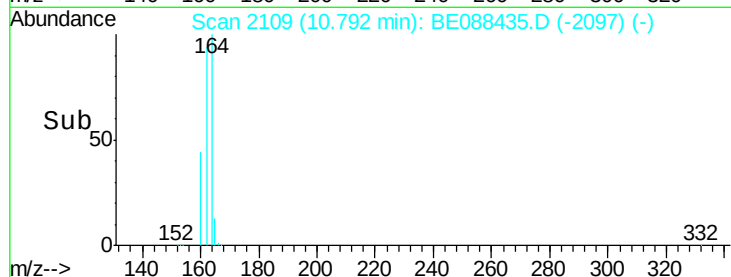
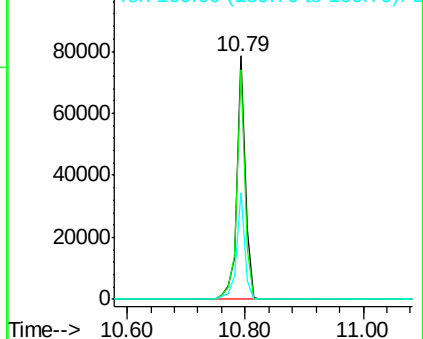
164 100

162 94.1 77.0 115.4

160 44.0 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: 7.23 ng

RT: 9.99 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

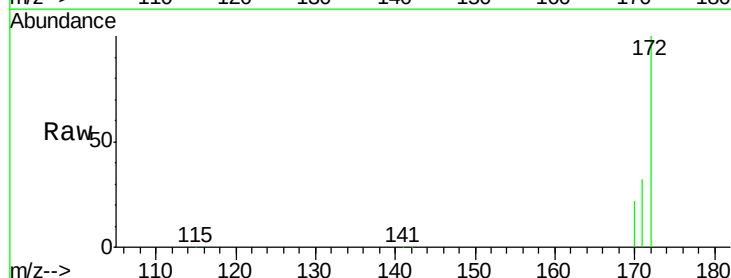
Tgt Ion:172 Resp: 161141

Ion Ratio Lower Upper

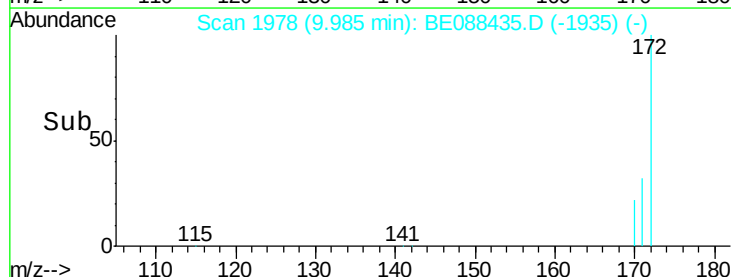
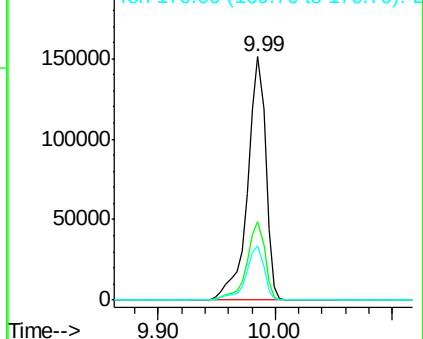
172 100

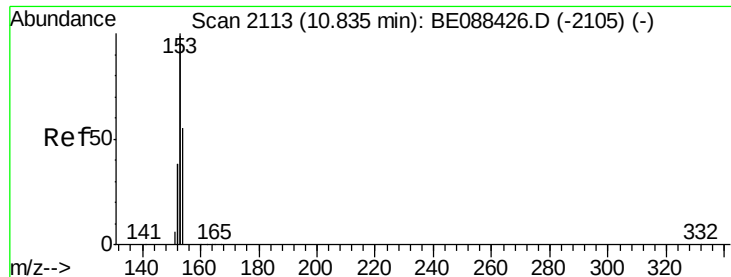
171 32.2 26.0 39.0

170 22.0 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: 0.03 ng

RT: 10.84 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

YS19-SW04P-1014

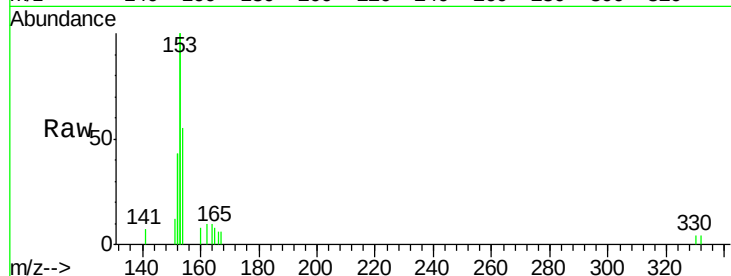
Tgt Ion:154 Resp: 611

Ion Ratio Lower Upper

154 100

153 446.8 324.3 486.5

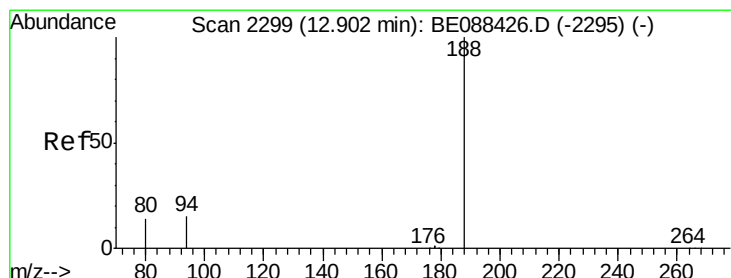
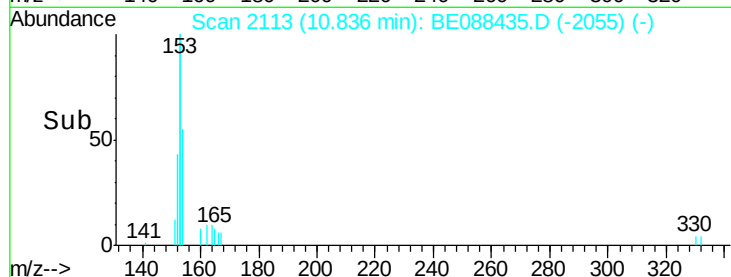
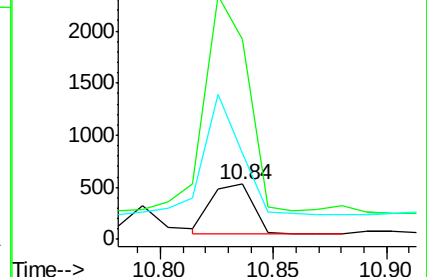
152 218.5 154.9 232.3



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: 12.92 min Scan# 2301

Delta R.T. 0.02 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

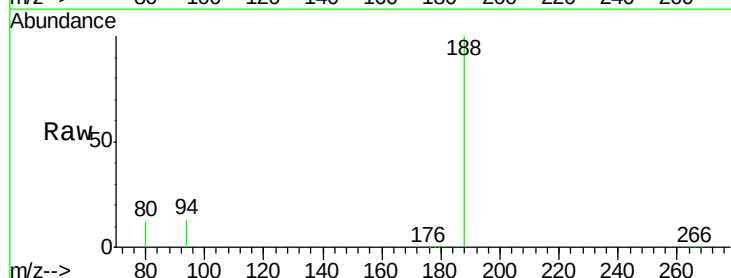
Tgt Ion:188 Resp: 124478

Ion Ratio Lower Upper

188 100

94 13.0 11.8 17.8

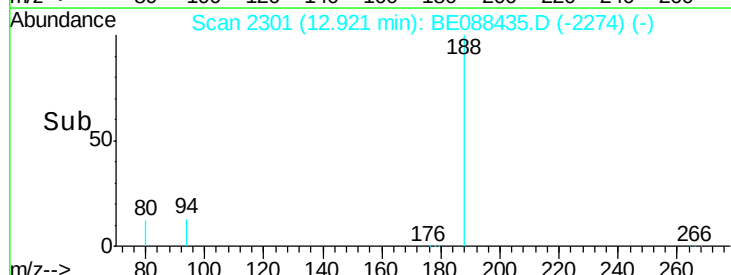
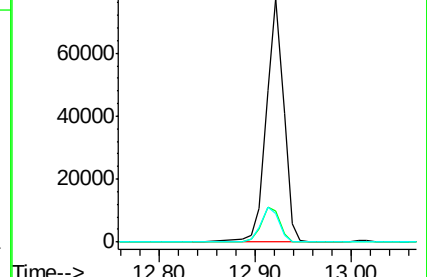
80 11.6 10.9 16.3

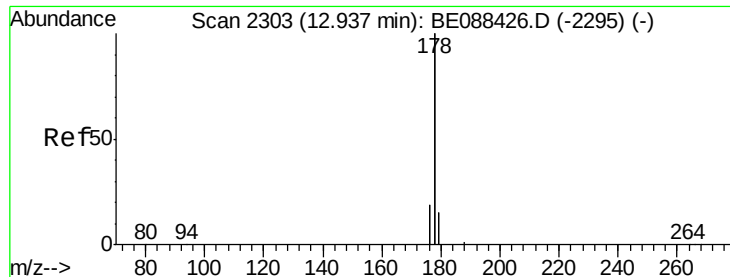


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#13

Phenanthrene

Concen: 0.03 ng

RT: 13.04 min Scan# 2315

Delta R.T. 0.10 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

YS19-SW04P-1014

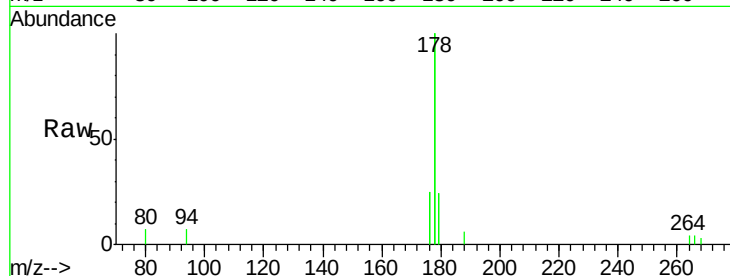
Tgt Ion:178 Resp: 3237

Ion Ratio Lower Upper

178 100

176 21.4 15.4 23.2

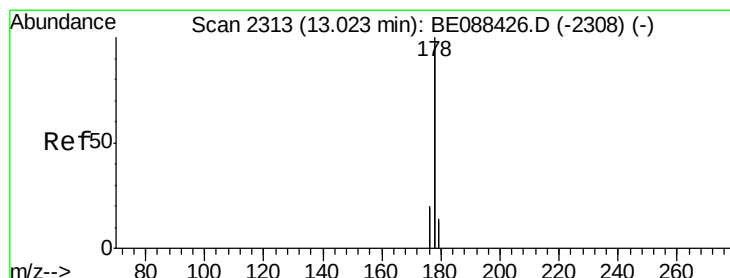
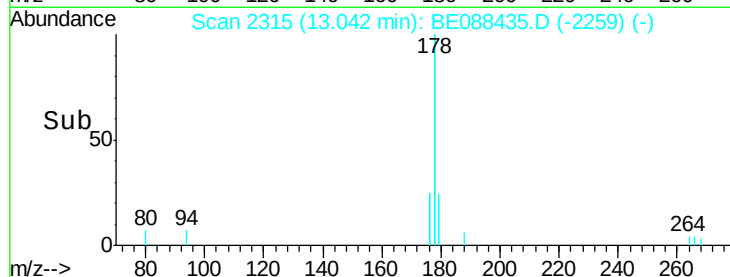
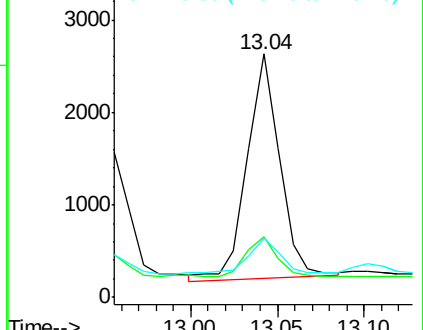
179 13.8 12.8 19.2



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



#14

Anthracene

Concen: 0.04 ng

RT: 13.04 min Scan# 2315

Delta R.T. 0.02 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

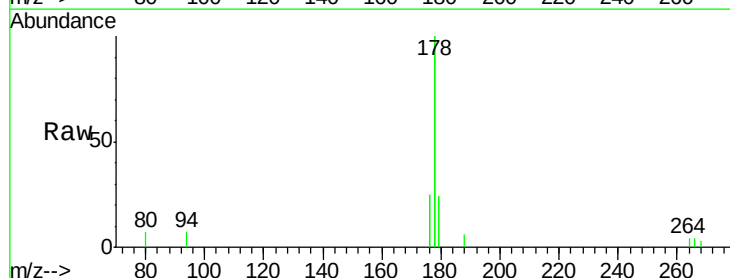
Tgt Ion:178 Resp: 3237

Ion Ratio Lower Upper

178 100

176 21.4 15.0 22.4

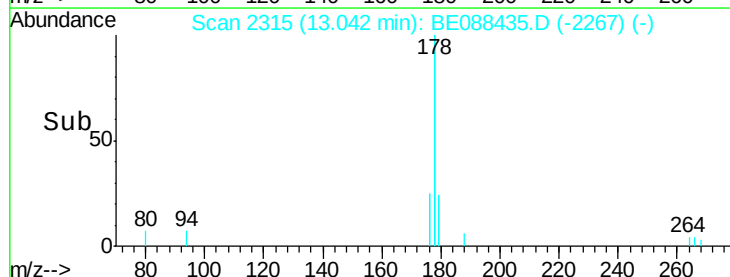
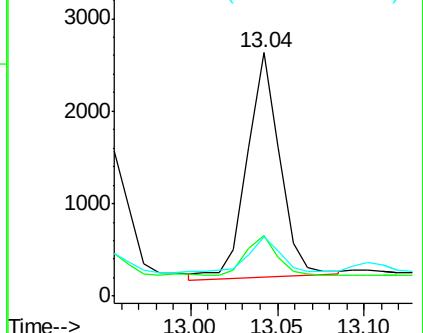
179 13.8 12.5 18.7

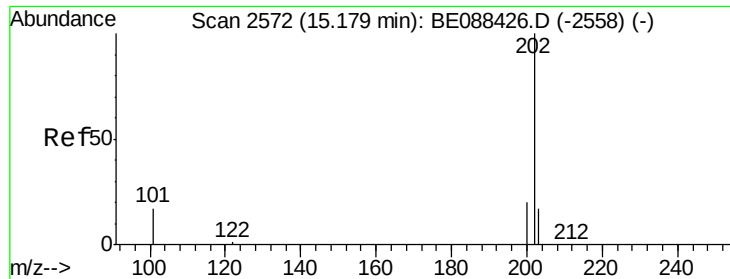


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

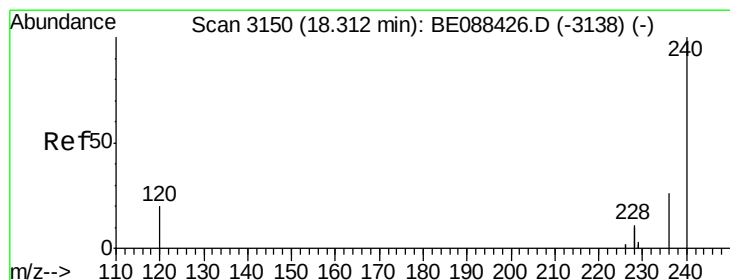
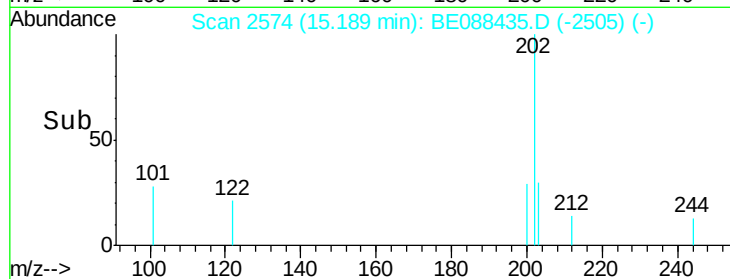
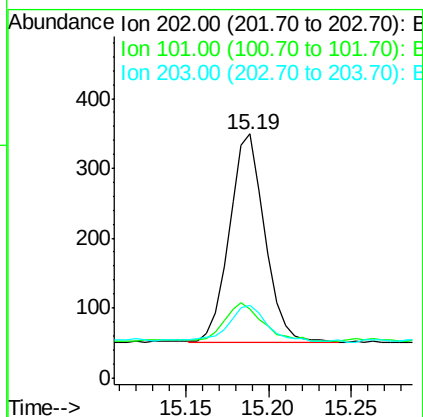
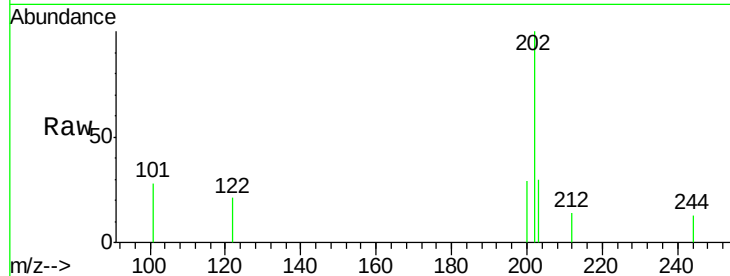




#15
Fluoranthene
Concen: 0.02 ng
RT: 15.19 min Scan# 2574
Delta R.T. 0.01 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

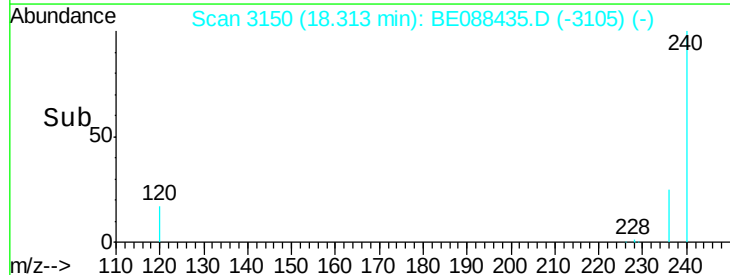
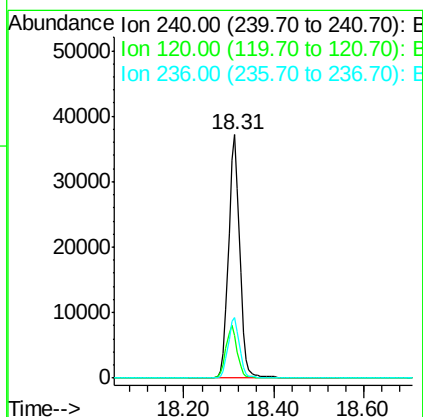
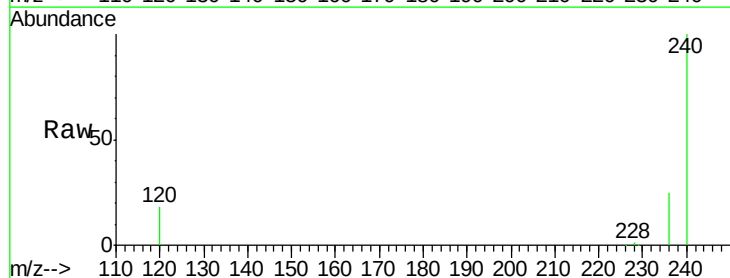
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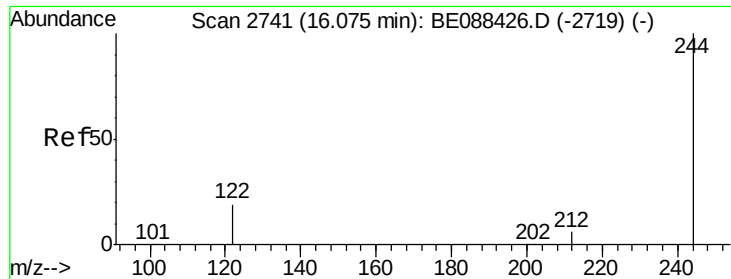
Tgt Ion: 202 Resp: 447
Ion Ratio Lower Upper
202 100
101 19.9 14.3 21.5
203 19.2 13.6 20.4



#16
Chrysene-d12
Concen: 5.00 ng
RT: 18.31 min Scan# 3150
Delta R.T. 0.00 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

Tgt Ion: 240 Resp: 64088
Ion Ratio Lower Upper
240 100
120 17.6 16.4 24.6
236 25.1 20.5 30.7

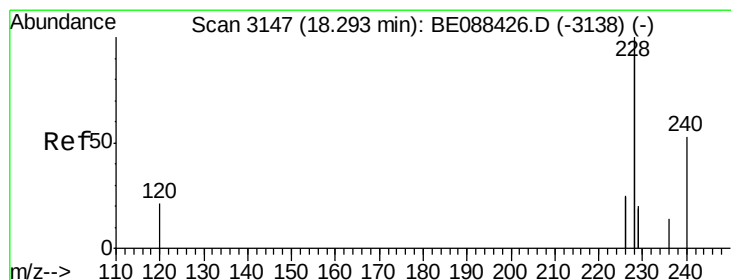
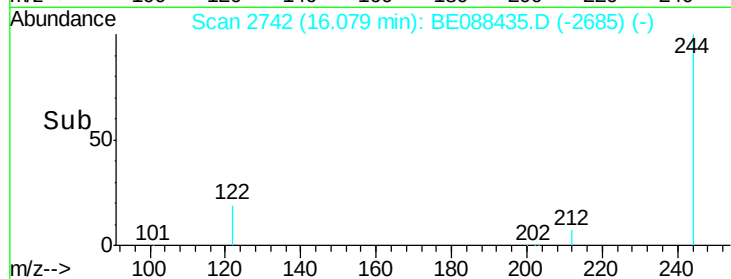
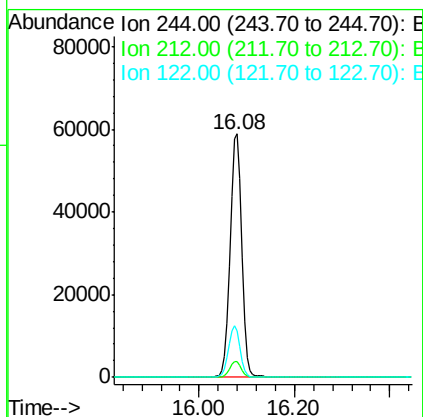
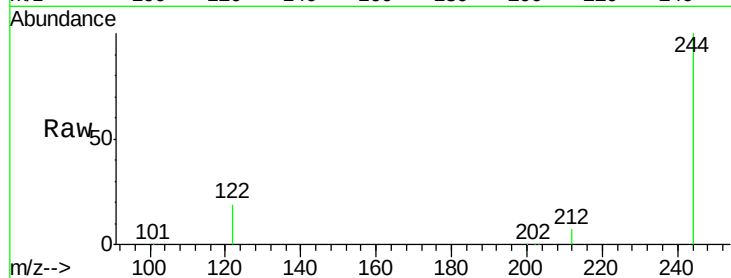




#18
 Terphenyl-d14
 Concen: 8.31 ng
 RT: 16.08 min Scan# 2742
 Delta R.T. 0.00 min
 Lab File: BE088435.D
 Acq: 31 Oct 2014 23:11

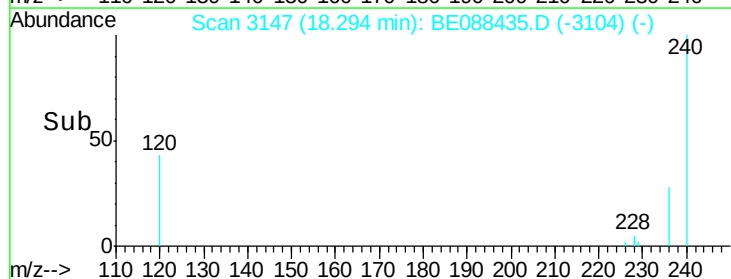
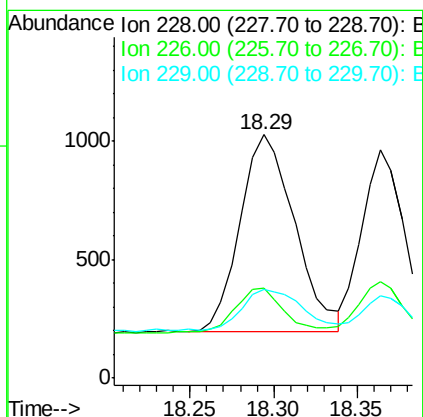
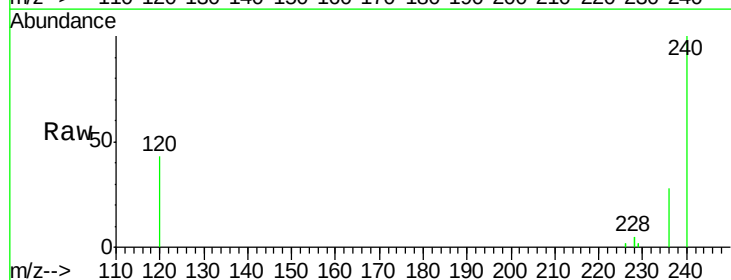
Instrument :
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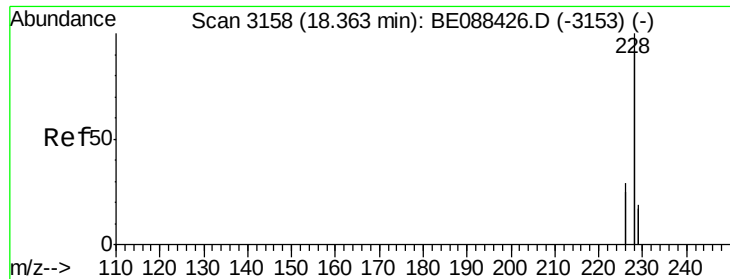
Tgt Ion: 244 Resp: 97872
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 19.1 15.6 23.4



#19
 Benzo(a)anthracene
 Concen: 0.03 ng
 RT: 18.29 min Scan# 3147
 Delta R.T. 0.00 min
 Lab File: BE088435.D
 Acq: 31 Oct 2014 23:11

Tgt Ion: 228 Resp: 1880
 Ion Ratio Lower Upper
 228 100
 226 36.8 19.8 29.6#
 229 36.4 16.0 24.0#





#20

Chrysene

Concen: 0.02 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

YS19-SW04P-1014

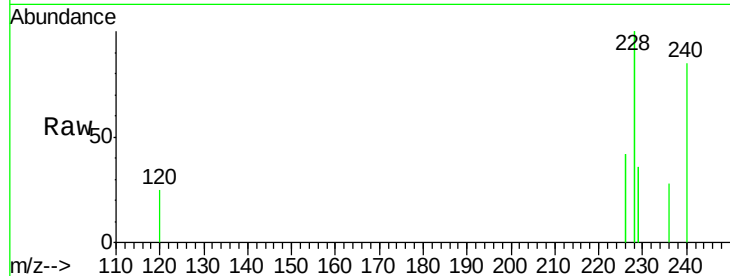
Tgt Ion:228 Resp: 1372

Ion Ratio Lower Upper

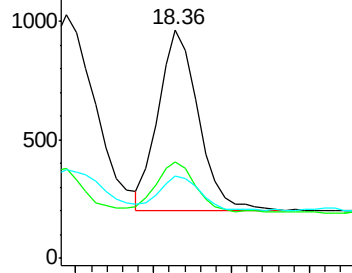
228 100

226 42.3 23.6 35.4#

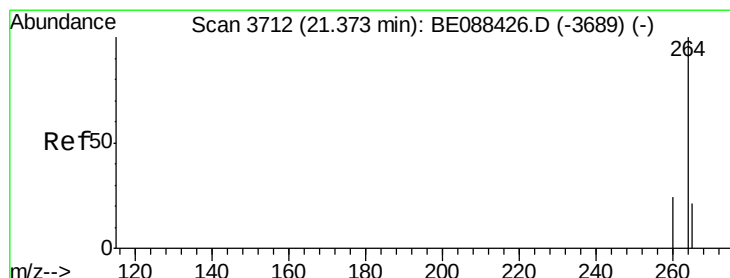
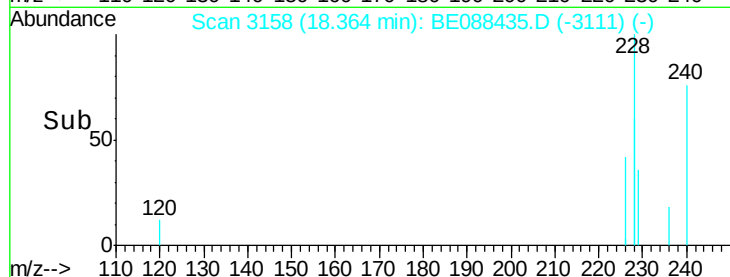
229 36.3 15.4 23.2#



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



Time-->



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.37 min Scan# 3711

Delta R.T. -0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

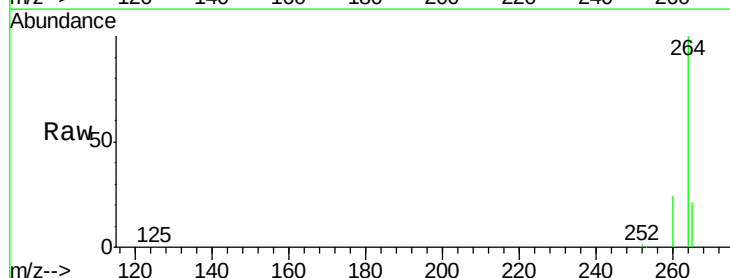
Tgt Ion:264 Resp: 59404

Ion Ratio Lower Upper

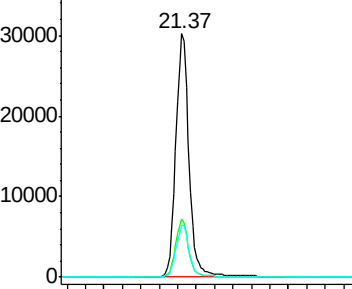
264 100

260 23.9 18.9 28.3

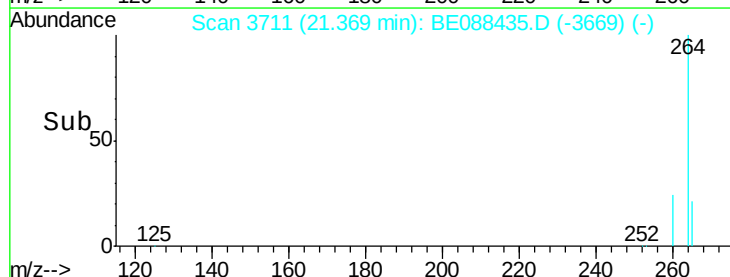
265 21.2 17.2 25.8

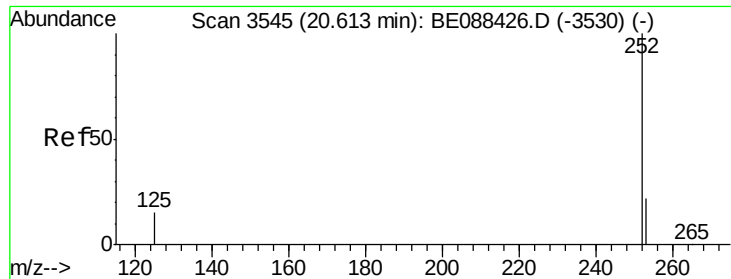


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 20.61 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

Instrument :

BNA_E

ClientSampleId :

YS19-SW04P-1014

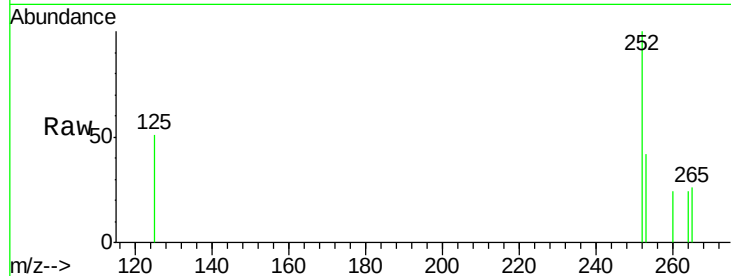
Tgt Ion:252 Resp: 322

Ion Ratio Lower Upper

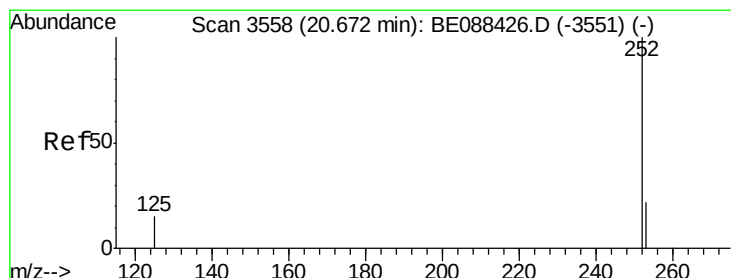
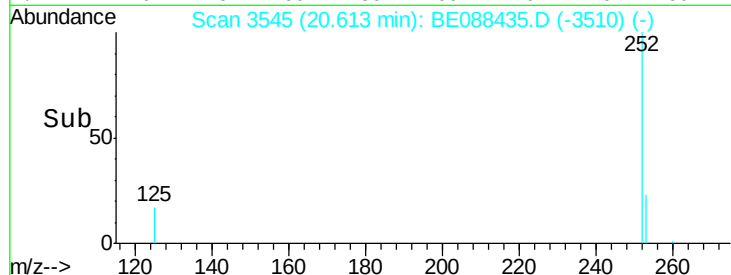
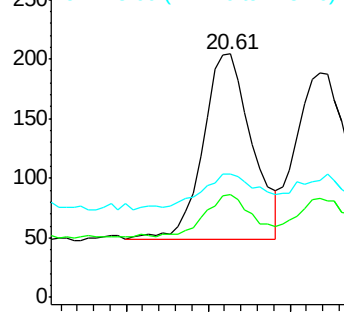
252 100

253 42.2 17.8 26.8#

125 51.0 12.3 18.5#



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



#24

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 20.67 min Scan# 3557

Delta R.T. -0.00 min

Lab File: BE088435.D

Acq: 31 Oct 2014 23:11

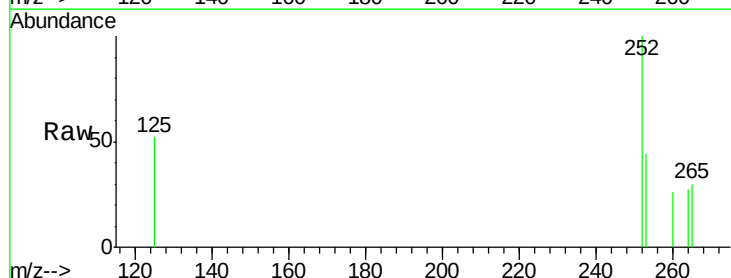
Tgt Ion:252 Resp: 322

Ion Ratio Lower Upper

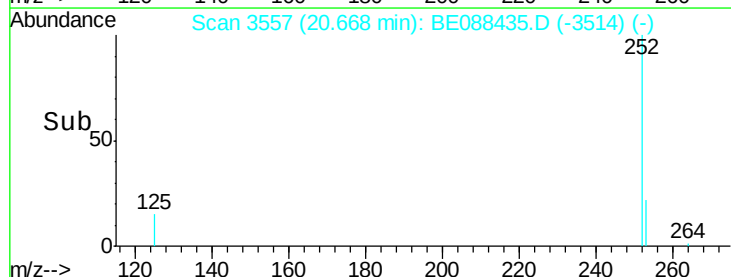
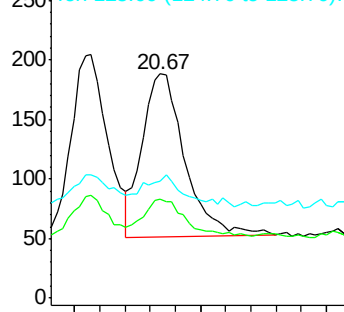
252 100

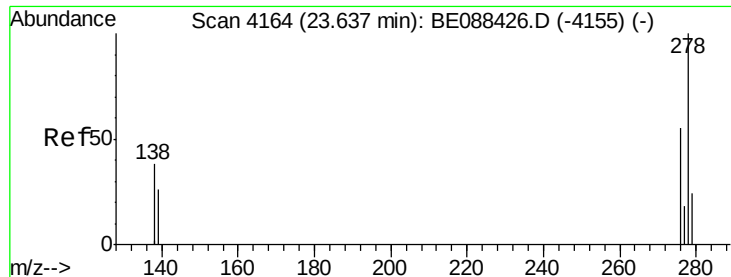
253 44.1 17.8 26.8#

125 52.1 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

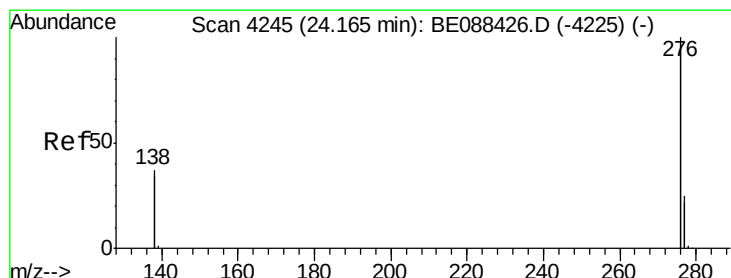
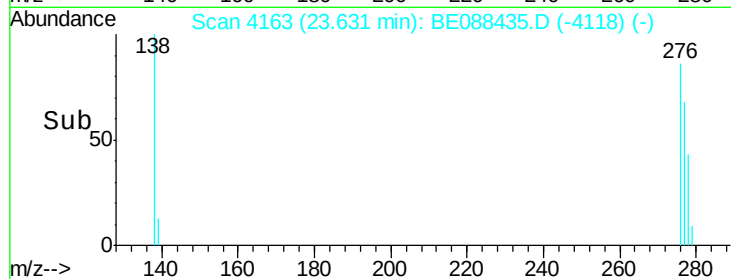
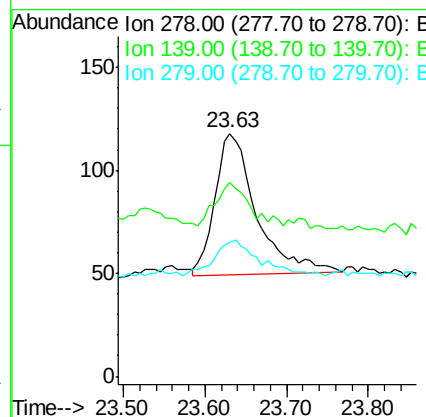
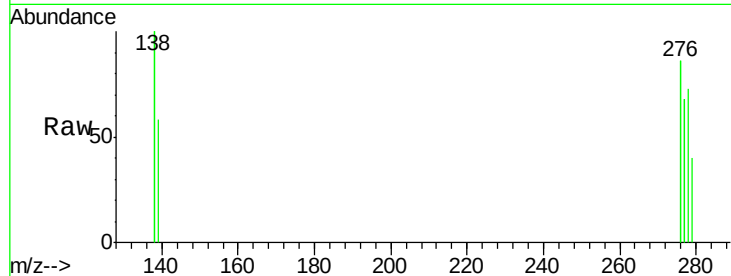




#26
Dibenzo(a,h)anthracene
Concen: 0.02 ng
RT: 23.63 min Scan# 4163
Delta R.T. -0.01 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

Instrument :
BNA_E
ClientSampleId :
YS19-SW04P-1014

Tgt Ion: 278 Resp: 239
Ion Ratio Lower Upper
278 100
139 79.7 22.1 33.1#
279 55.1 19.7 29.5#



#27
Benzo(g,h,i)perylene
Concen: 0.02 ng
RT: 24.16 min Scan# 4244
Delta R.T. -0.01 min
Lab File: BE088435.D
Acq: 31 Oct 2014 23:11

Tgt Ion: 276 Resp: 1118
Ion Ratio Lower Upper
276 100
277 49.3 19.8 29.6#
138 69.9 29.3 43.9#

