

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004465.D
 Acq On : 29 Feb 2016 01:09
 Operator : SJ/UM
 Sample : PB88423BSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB88423BSD

Quant Time: Feb 29 06:33:15 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 05:57:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	13253	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	48058	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	32603	5.00	ng	0.00
15) Phenanthrene-d10	17.03	188	36886	5.00	ng	0.00
19) Chrysene-d12	21.24	240	54456	5.00	ng	0.00
28) Perylene-d12	23.46	264	44185	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	19230	6.60	ng	0.00
5) Phenol-d6	6.80	99	25819	7.81	ng	-0.03
8) Nitrobenzene-d5	8.76	82	10415	3.92	ng	-0.02
13) 2,4,6-Tribromophenol	15.78	330	10841	6.54	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	34603	3.48	ng	0.00
22) Terphenyl-d14	19.67	244	28317	4.08	ng	-0.02

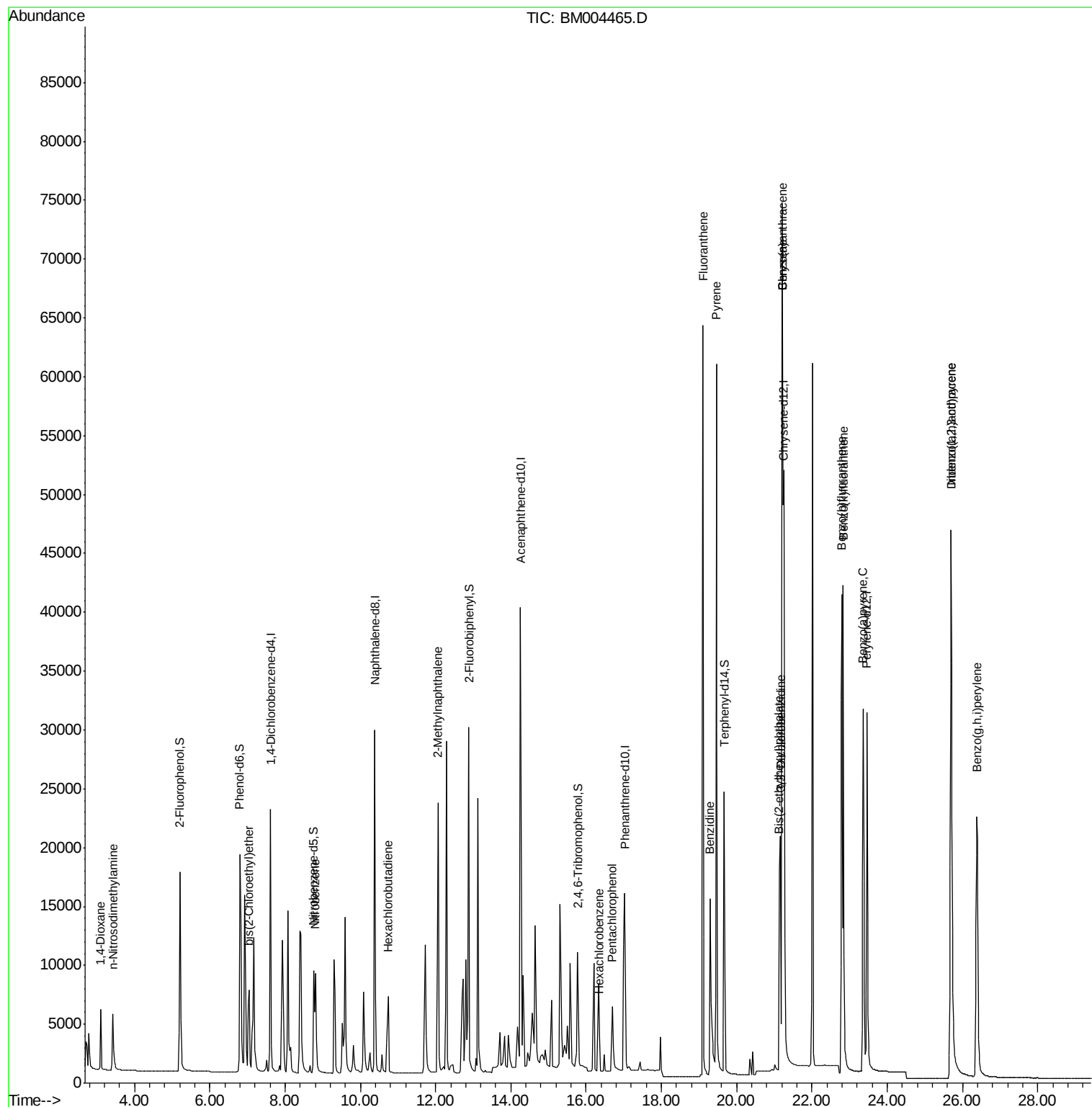
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	4008	3.60	ng	95
3) n-Nitrosodimethylamine	3.43	42	3255	3.31	ng	# 99
6) bis(2-Chloroethyl)ether	7.04	93	8658	3.29	ng	# 97
9) Nitrobenzene	8.81	77	10206	3.46	ng	# 100
10) Hexachlorobutadiene	10.74	225	6241	3.18	ng	100
11) 2-Methylnaphthalene	12.07	142	25267	3.45	ng	95
16) Hexachlorobenzene	16.35	284	6941	3.98	ng	# 100
17) Pentachlorophenol	16.69	266	6335	6.56	ng	# 72
18) Fluoranthene	19.10	202	64229	4.40	ng	100
20) Benzidine	19.29	184	44730	8.96	ng	# 77
21) Pyrene	19.46	202	65652	4.05	ng	99
23) Benzo(a)anthracene	21.22	228	124783	8.02	ng	94
24) 3,3'-Dichlorobenzidine	21.17	252	22196	4.16	ng	# 86
25) Chrysene	21.22	228	126292	10.46	ng	# 85
26) Bis(2-ethylhexyl)phthalate	21.12	149	30268	3.80	ng	# 37
27) Indeno(1,2,3-cd)pyrene	25.69	276	56555	3.99	ng	99
29) Benzo(b)fluoranthene	22.79	252	61526	3.69	ng	96
30) Benzo(k)fluoranthene	22.83	252	52876	3.68	ng	96
31) Benzo(a)pyrene	23.36	252	51996	4.01	ng	95
32) Dibenzo(a,h)anthracene	25.70	278	44748	3.87	ng	95
33) Benzo(g,h,i)perylene	26.38	276	48428	3.81	ng	98

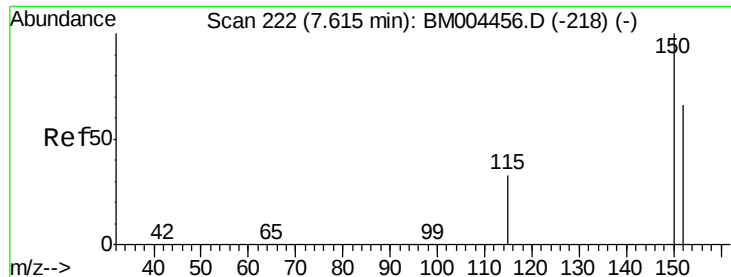
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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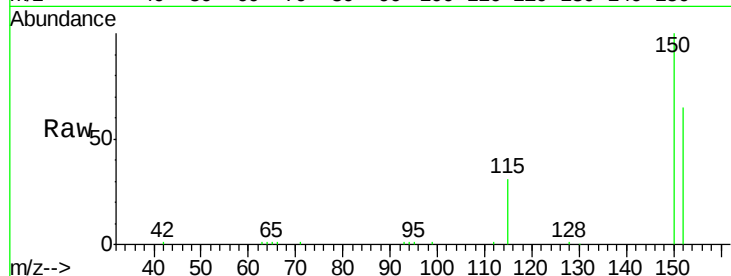


#1

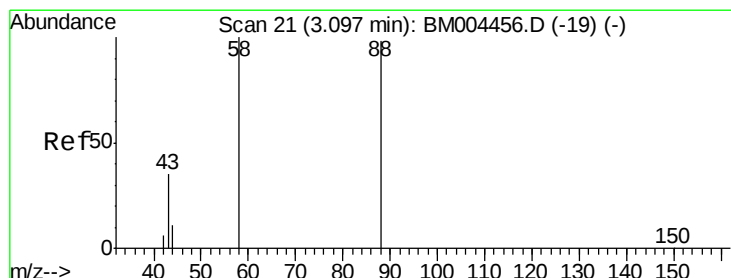
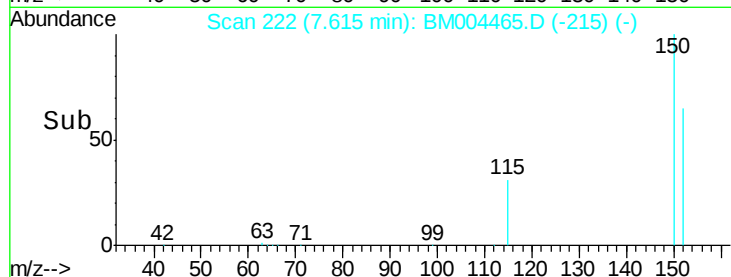
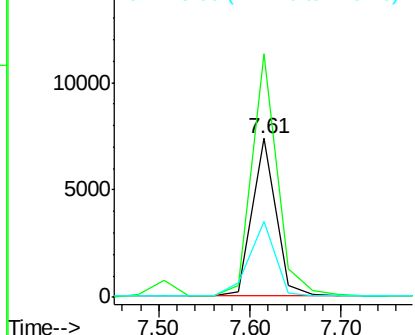
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 222
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Instrument :
BNA_M
ClientSampleId :
PB88423BSD

Tot Ion:152 Resp: 13253
Ion Ratio Lower Upper
152 100
150 153.4 123.9 185.9
115 47.6 40.6 61.0



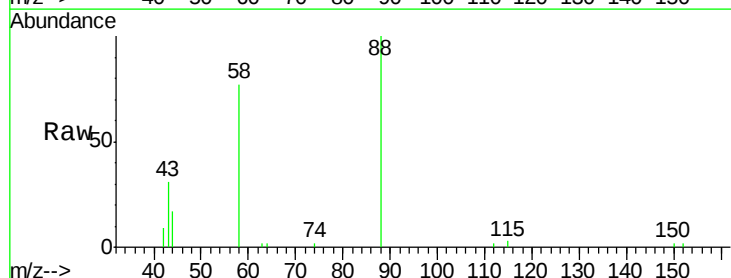
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



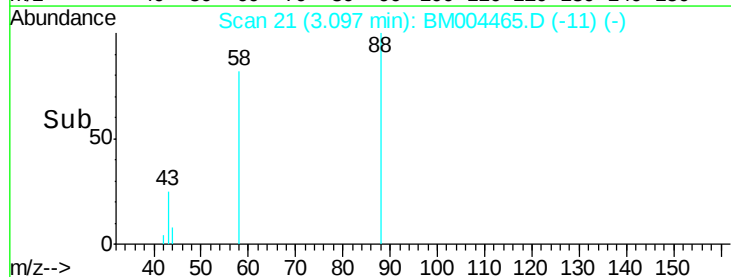
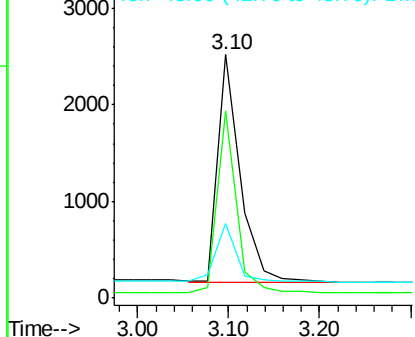
#2

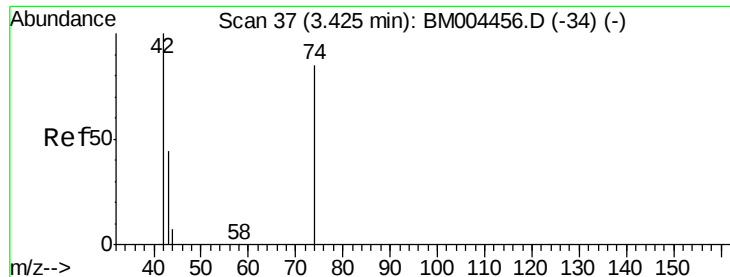
1,4-Dioxane
Concen: 3.60 ng
RT: 3.10 min Scan# 21
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion: 88 Resp: 4008
Ion Ratio Lower Upper
88 100
58 69.0 58.5 87.7
43 24.3 22.2 33.2



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 3.31 ng

RT: 3.43 min Scan# 37

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

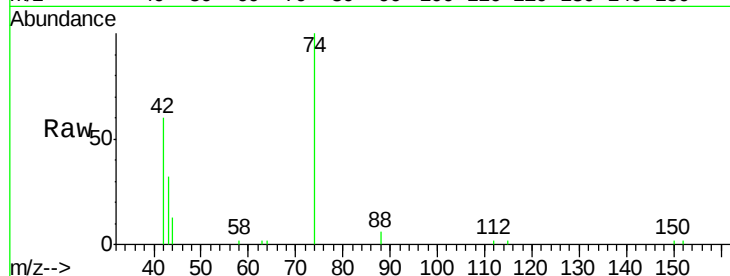
Tot Ion: 42 Resp: 3255

Ion Ratio Lower Upper

42 100

74 169.2 0.0 0.0#

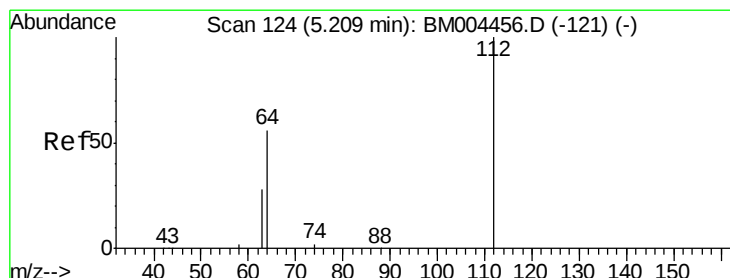
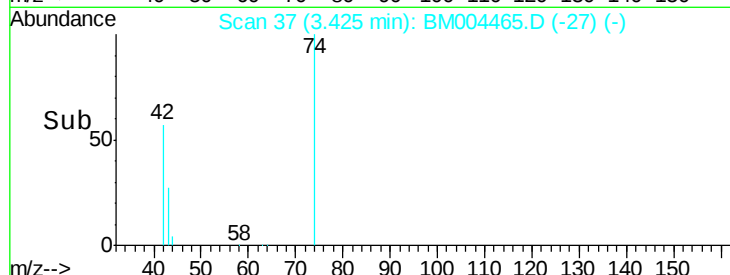
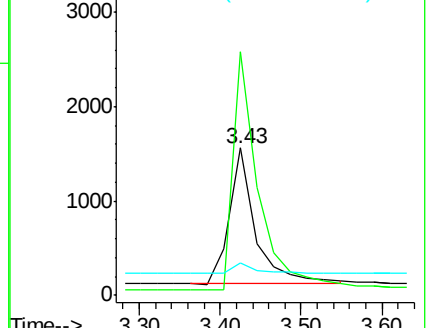
44 6.9 5.8 8.6



Abundance Ion 42.00 (41.70 to 42.70): BM004465.D (-34) (-)

Ion 74.00 (73.70 to 74.70): BM004465.D (-34) (-)

Ion 44.00 (43.70 to 44.70): BM004465.D (-34) (-)



#4

2-Fluorophenol

Concen: 6.60 ng

RT: 5.21 min Scan# 124

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

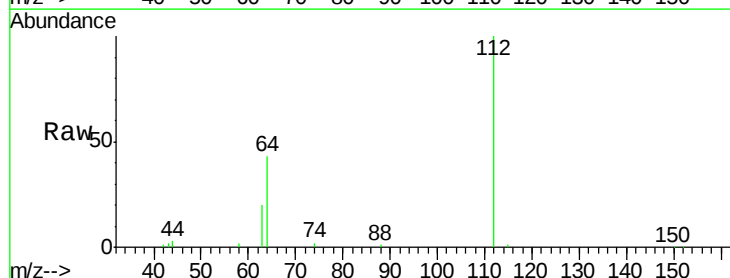
Tgt Ion: 112 Resp: 19230

Ion Ratio Lower Upper

112 100

64 47.4 39.4 59.2

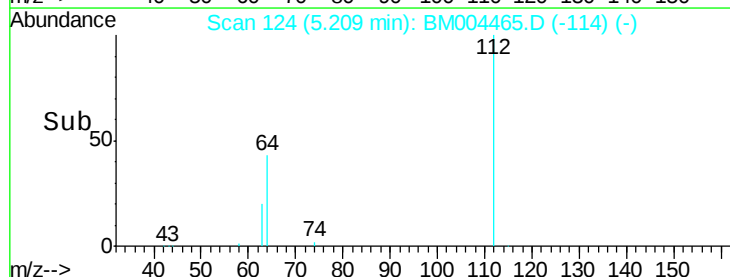
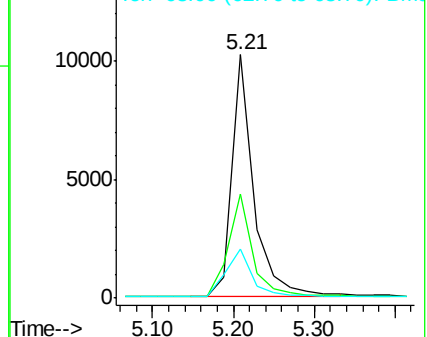
63 23.8 19.9 29.9

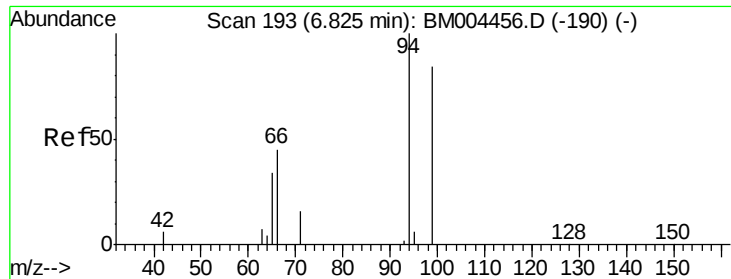


Abundance Ion 112.00 (111.70 to 112.70): BM004465.D (-121) (-)

Ion 64.00 (63.70 to 64.70): BM004465.D (-121) (-)

Ion 63.00 (62.70 to 63.70): BM004465.D (-121) (-)





#5

Phenol-d6

Concen: 7.81 ng

RT: 6.80 min Scan# 192

Delta R.T. -0.03 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

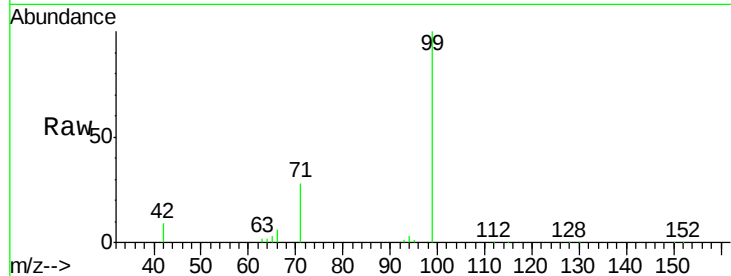
Tot Ion: 99 Resp: 25819

Ion Ratio Lower Upper

99 100

42 12.6 0.0 0.0#

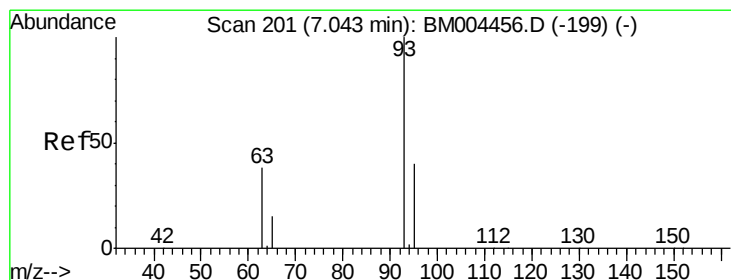
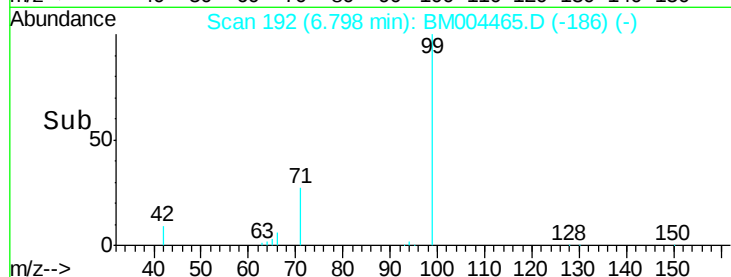
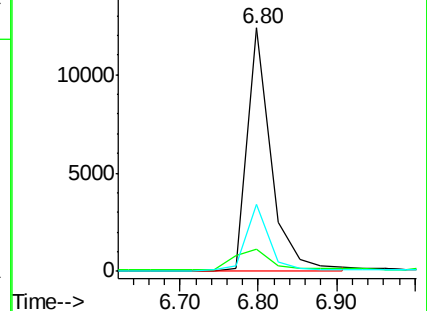
71 26.9 0.0 0.0#



Abundance Ion 99.00 (98.70 to 99.70): BM004456.D (-190) (-)

Ion 42.00 (41.70 to 42.70): BM004456.D (-190) (-)

Ion 71.00 (70.70 to 71.70): BM004456.D (-190) (-)



#6

bis(2-Chloroethyl)ether

Concen: 3.29 ng

RT: 7.04 min Scan# 201

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

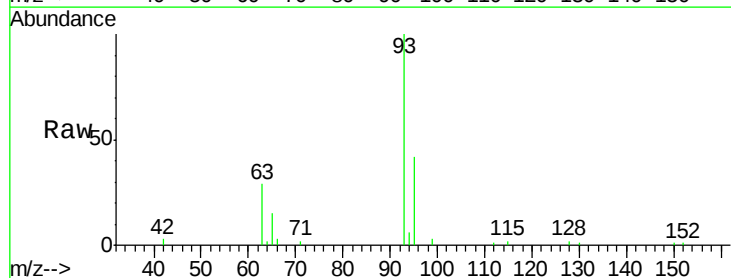
Tgt Ion: 93 Resp: 8658

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

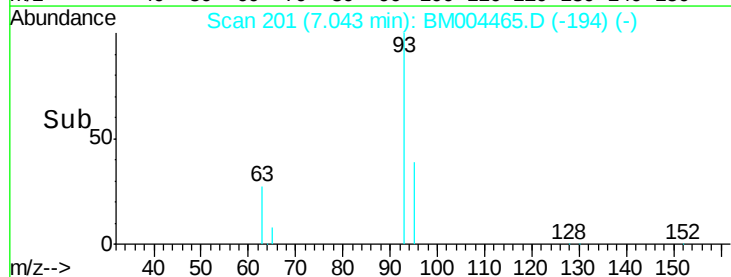
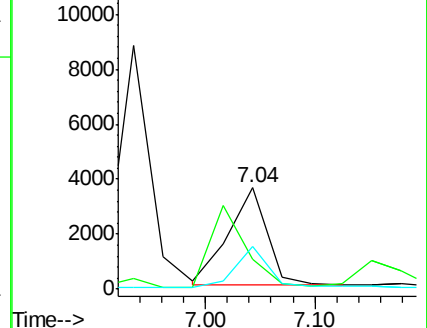
95 35.6 27.1 40.7

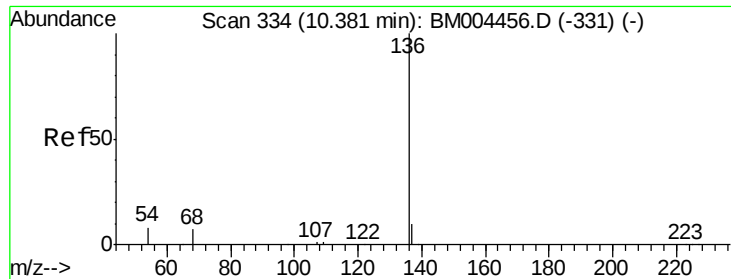


Abundance Ion 93.00 (92.70 to 93.70): BM004456.D (-199) (-)

Ion 63.00 (62.70 to 63.70): BM004456.D (-199) (-)

Ion 95.00 (94.70 to 95.70): BM004456.D (-199) (-)





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

Tot Ion:136 Resp: 48058

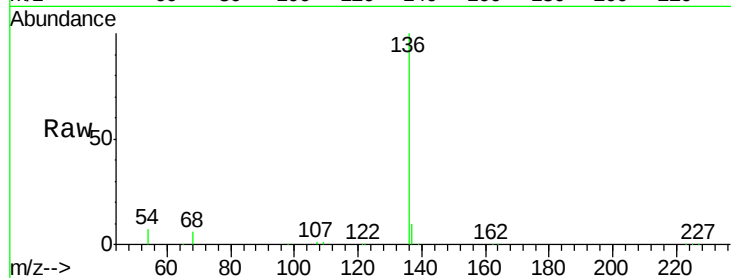
Ion Ratio Lower Upper

136 100

137 10.2 8.0 12.0

54 6.8 7.0 10.6#

68 6.0 5.8 8.6

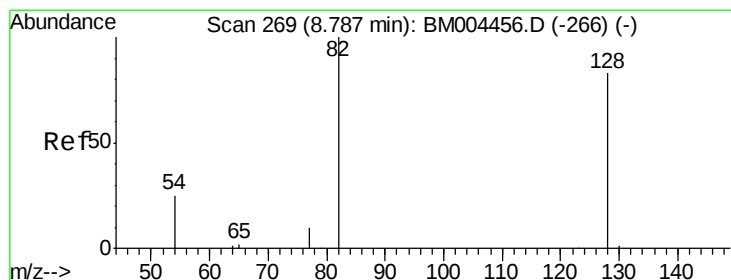
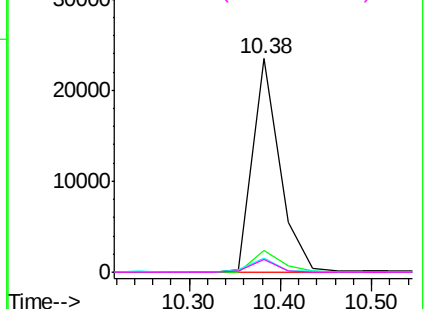
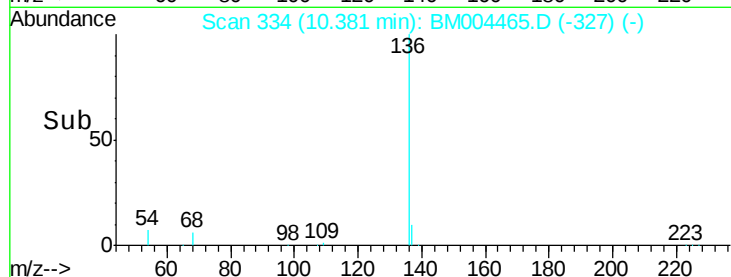


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 3.92 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.02 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

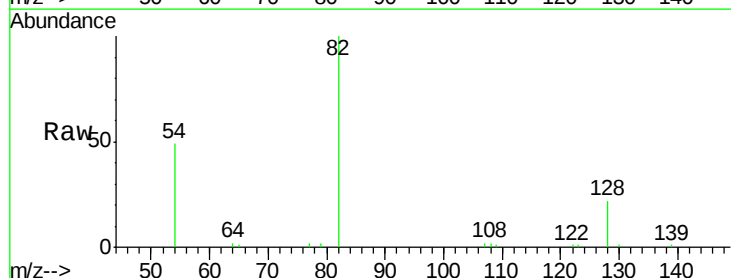
Tgt Ion: 82 Resp: 10415

Ion Ratio Lower Upper

82 100

128 21.5 67.0 100.6#

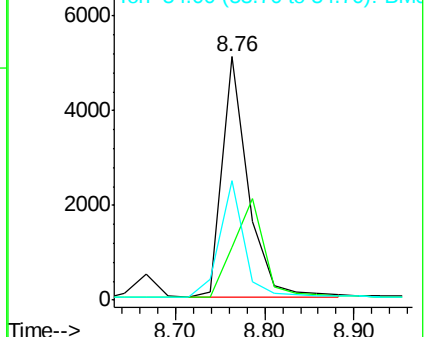
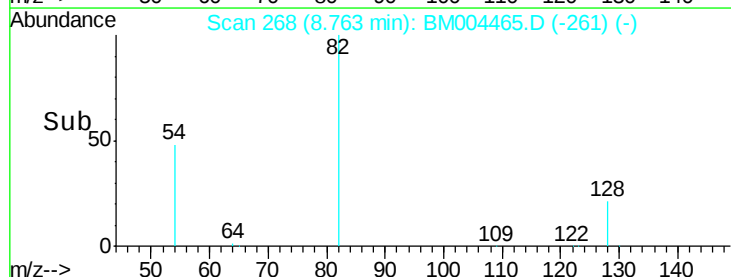
54 49.1 25.2 37.8#

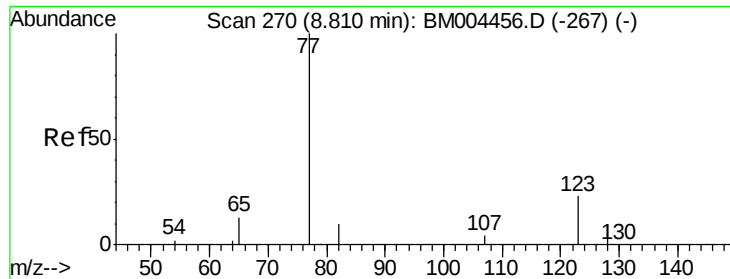


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#9

Nitrobenzene

Concen: 3.46 ng

RT: 8.81 min Scan# 270

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

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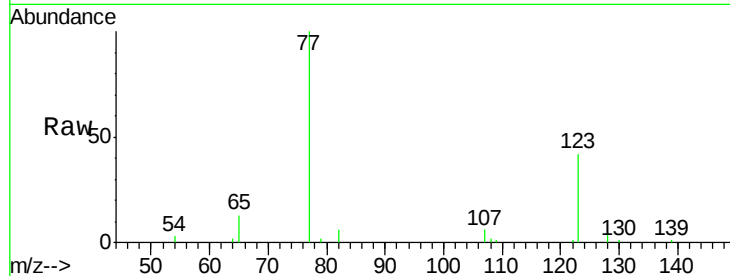
Tot Ion: 77 Resp: 10206

Ion Ratio Lower Upper

77 100

123 53.4 0.0 0.0#

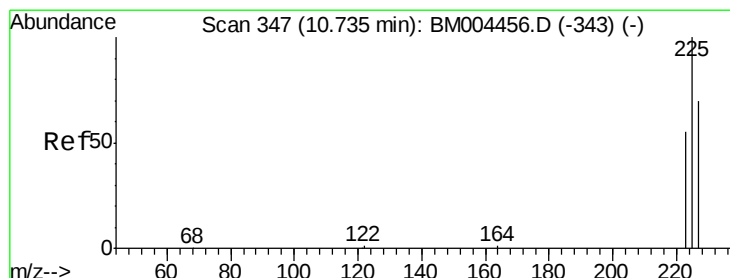
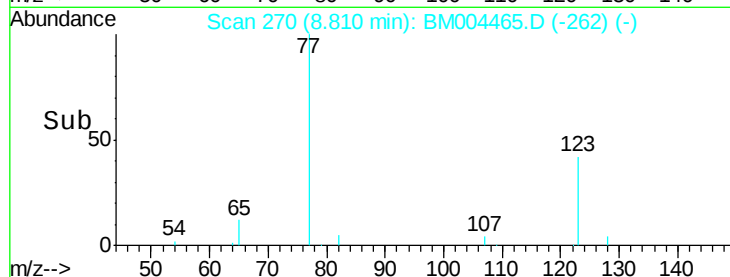
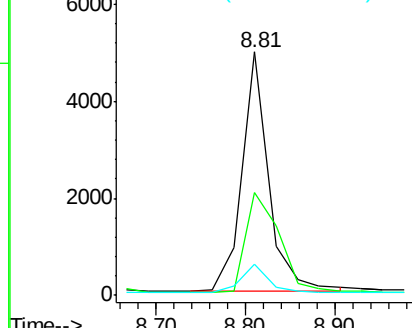
65 12.5 10.1 15.1



Abundance Ion 77.00 (76.70 to 77.70): BM004465.D (-267) (-)

Ion 123.00 (122.70 to 123.70): BM004465.D (-267) (-)

Ion 65.00 (64.70 to 65.70): BM004465.D (-267) (-)



#10

Hexachlorobutadiene

Concen: 3.18 ng

RT: 10.74 min Scan# 347

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

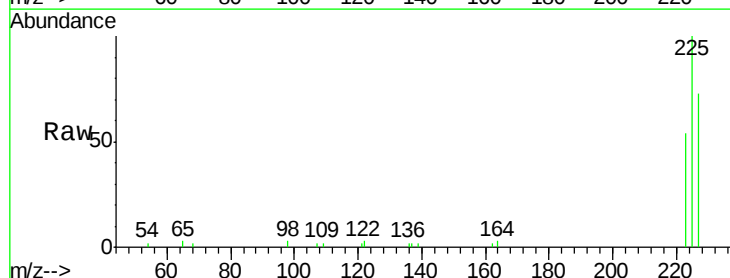
Tgt Ion: 225 Resp: 6241

Ion Ratio Lower Upper

225 100

223 60.7 48.4 72.6

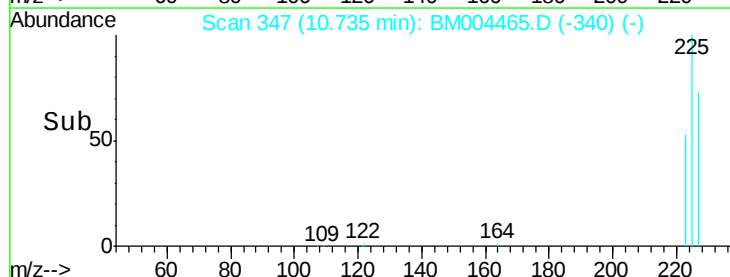
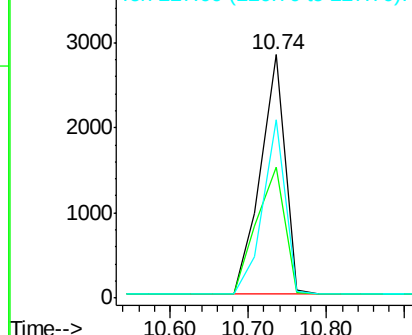
227 66.3 52.8 79.2

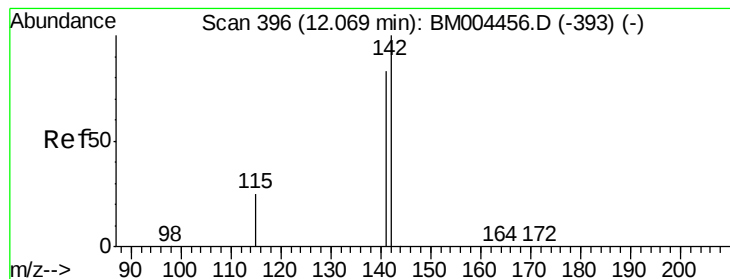


Abundance Ion 225.00 (224.70 to 225.70): BM004465.D (-343) (-)

Ion 223.00 (222.70 to 223.70): BM004465.D (-343) (-)

Ion 227.00 (226.70 to 227.70): BM004465.D (-343) (-)





#11

2-Methylnaphthalene

Concen: 3.45 ng

RT: 12.07 min Scan# 396

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

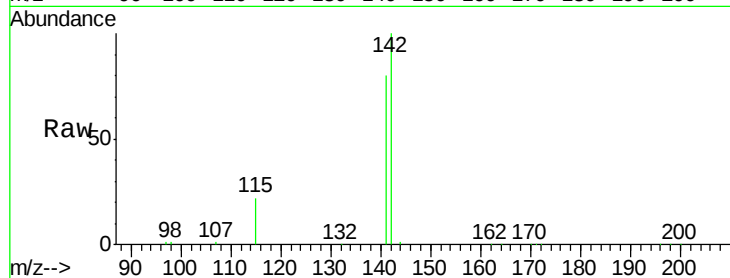
Tot Ion:142 Resp: 25267

Ion Ratio Lower Upper

142 100

141 79.6 66.4 99.6

115 22.3 21.6 32.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

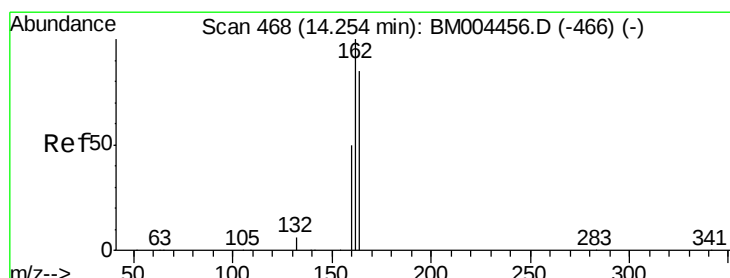
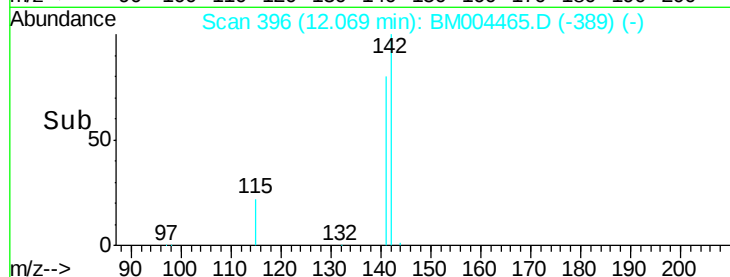
12.07

10000

5000

0

Time-->



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 468

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

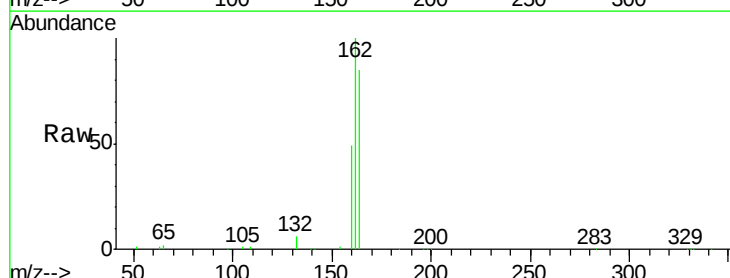
Tgt Ion:164 Resp: 32603

Ion Ratio Lower Upper

164 100

162 117.2 94.6 141.8

160 57.0 47.0 70.4



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

14.25

20000

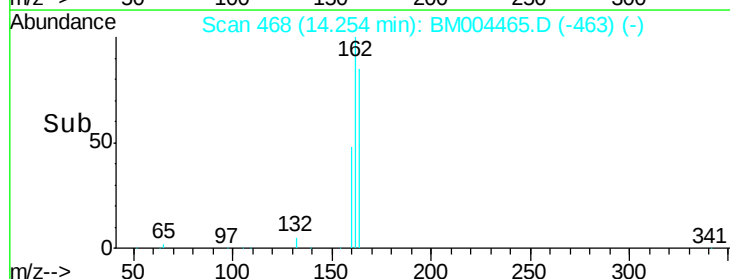
15000

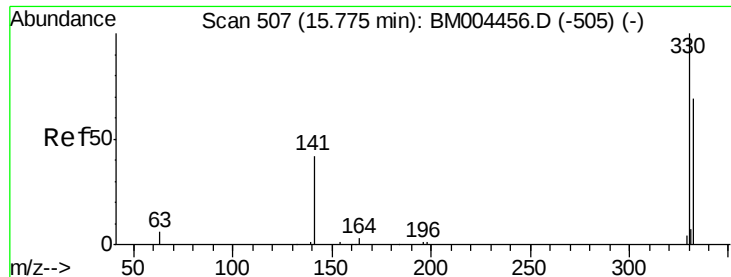
10000

5000

0

Time-->

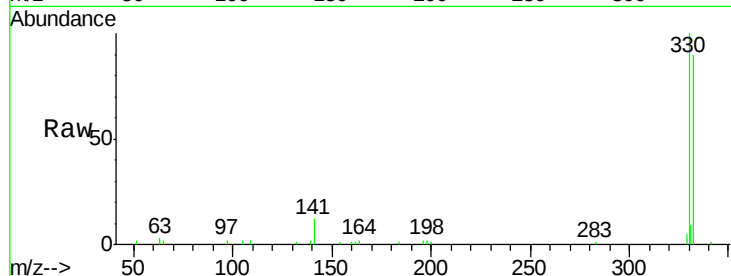




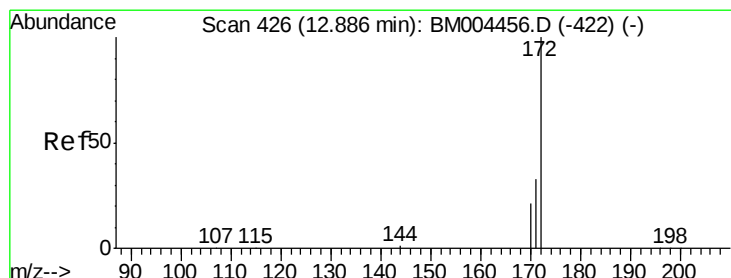
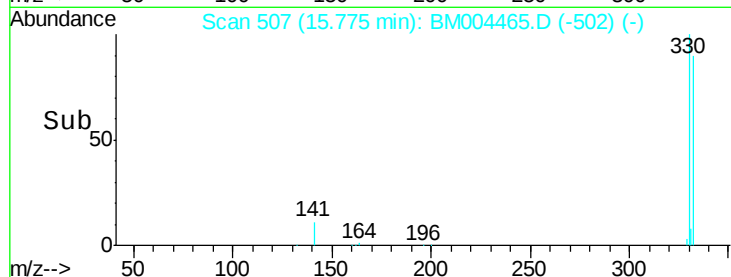
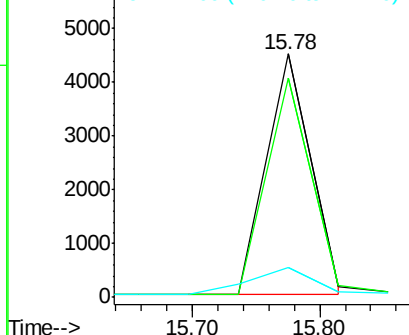
#13
 2,4,6-Tribromophenol
 Concen: 6.54 ng
 RT: 15.78 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: BM004465.D
 Acq: 29 Feb 2016 01:09

Instrument :
 BNA_M
 ClientSampleId :
 PB88423BSD

Tot Ion:330 Resp: 10841
 Ion Ratio Lower Upper
 330 100
 332 90.8 59.2 88.8#
 141 15.9 33.0 49.4#

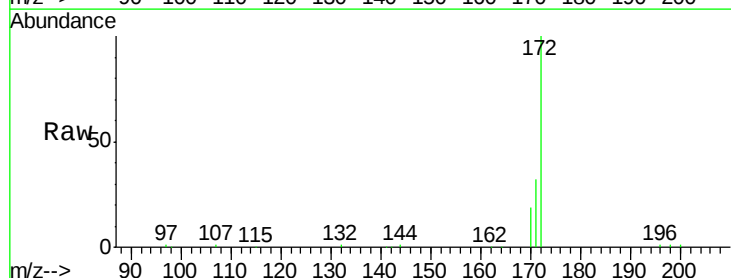


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

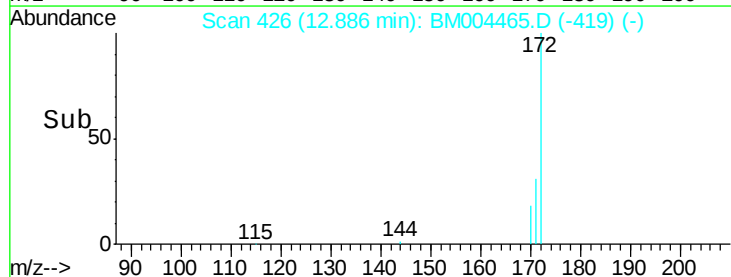
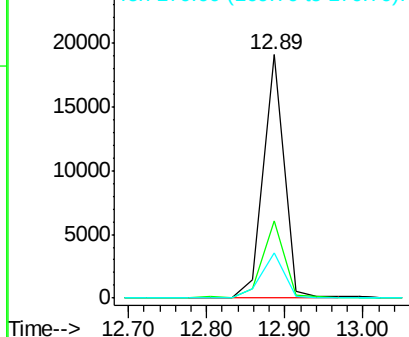


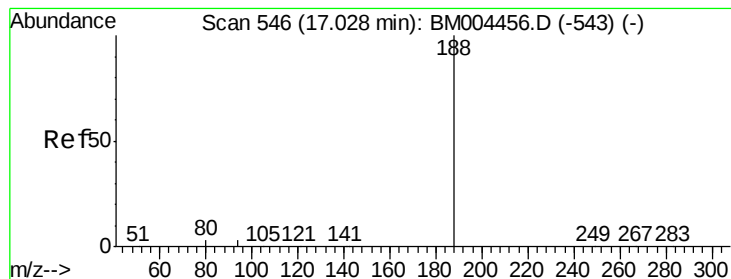
#14
 2-Fluorobiphenyl
 Concen: 3.48 ng
 RT: 12.89 min Scan# 426
 Delta R.T. 0.00 min
 Lab File: BM004465.D
 Acq: 29 Feb 2016 01:09

Tgt Ion:172 Resp: 34603
 Ion Ratio Lower Upper
 172 100
 171 31.6 27.2 40.8
 170 18.7 17.4 26.0



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





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.03 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

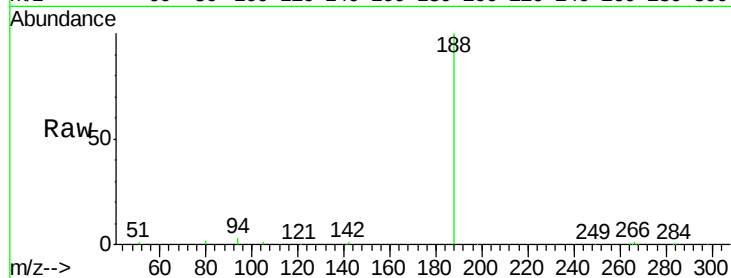
Tot Ion:188 Resp: 36886

Ion Ratio Lower Upper

188 100

94 2.9 2.7 4.1

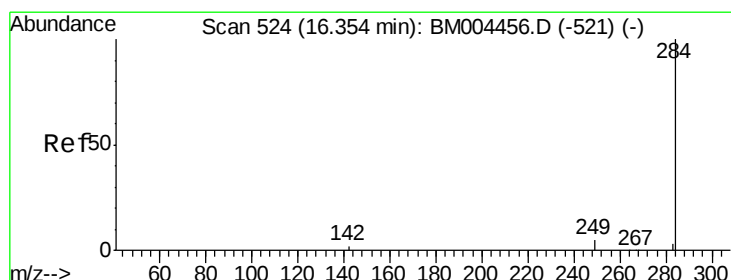
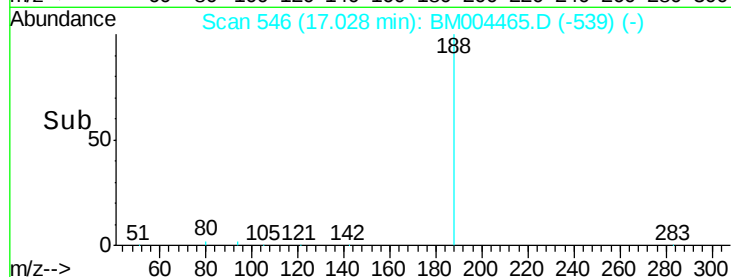
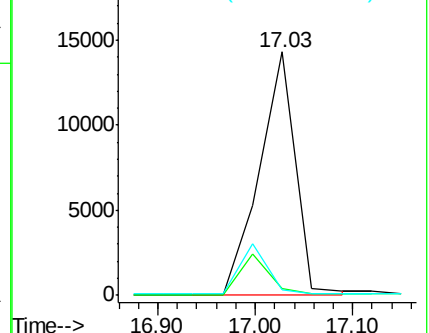
80 2.5 2.2 3.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM



#16

Hexachlorobenzene

Concen: 3.98 ng

RT: 16.35 min Scan# 524

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

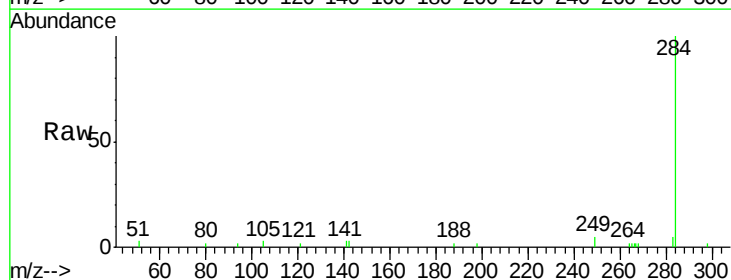
Tgt Ion:284 Resp: 6941

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

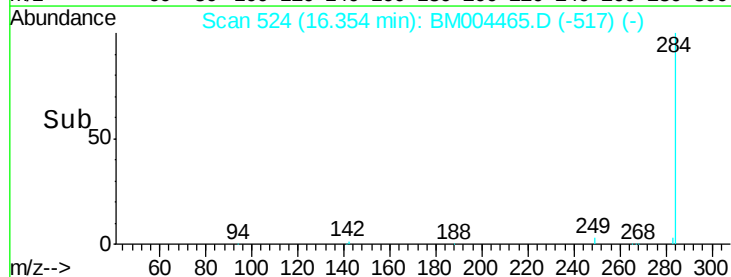
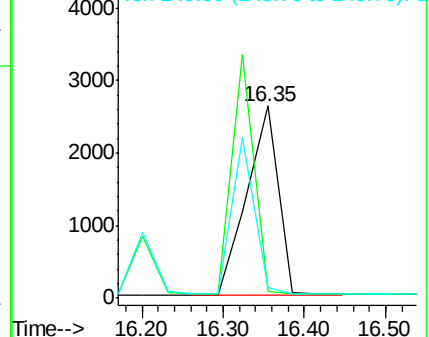
249 0.0 0.0 0.0

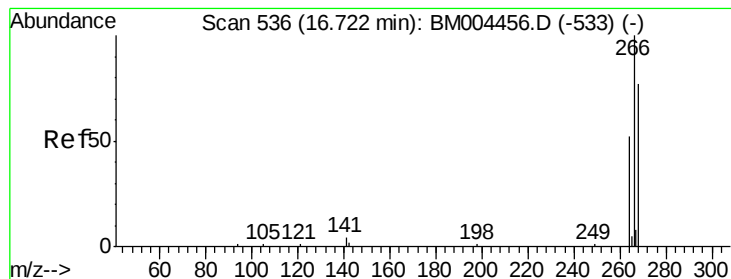


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#17

Pentachlorophenol

Concen: 6.56 ng

RT: 16.69 min Scan# 535

Delta R.T. -0.03 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

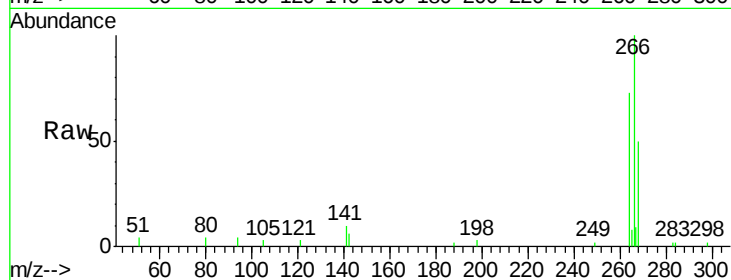
Tot Ion:266 Resp: 6335

Ion Ratio Lower Upper

266 100

268 49.6 66.8 100.2#

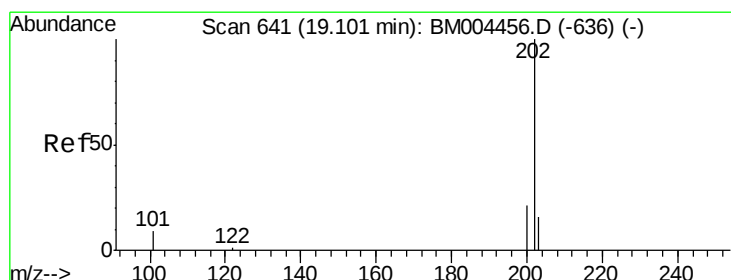
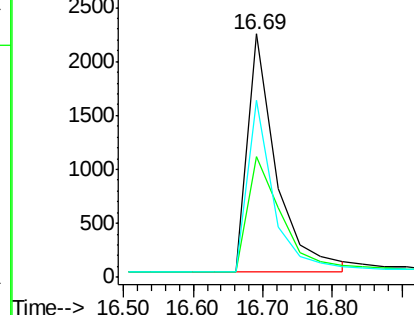
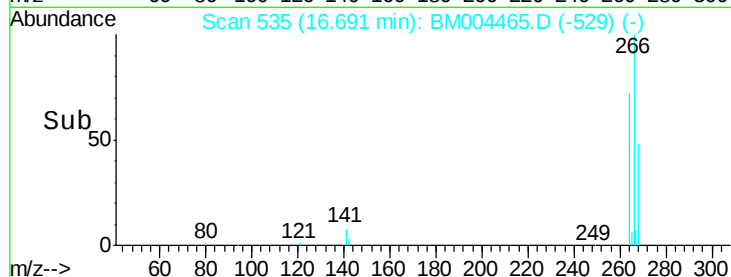
264 72.7 49.4 74.0



Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E



#18

Fluoranthene

Concen: 4.40 ng

RT: 19.10 min Scan# 641

Delta R.T. 0.00 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

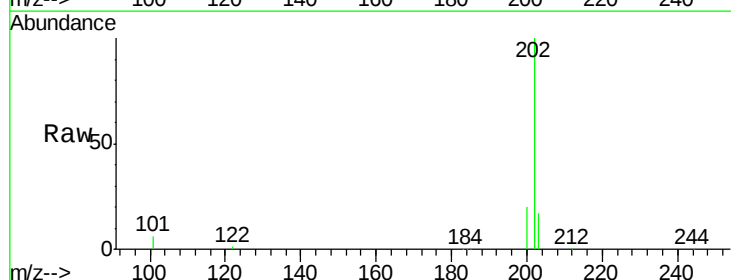
Tgt Ion:202 Resp: 64229

Ion Ratio Lower Upper

202 100

101 11.6 9.4 14.0

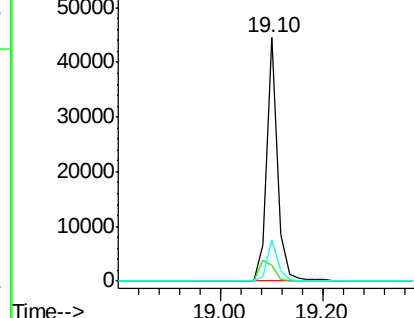
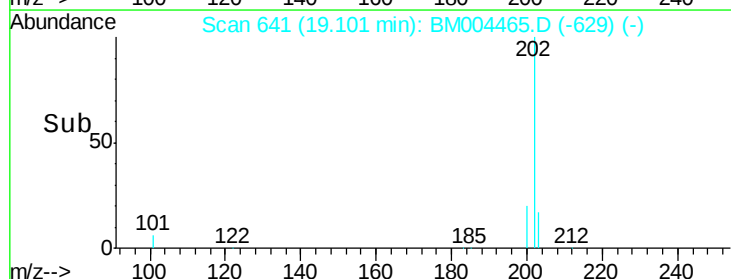
203 17.5 13.9 20.9

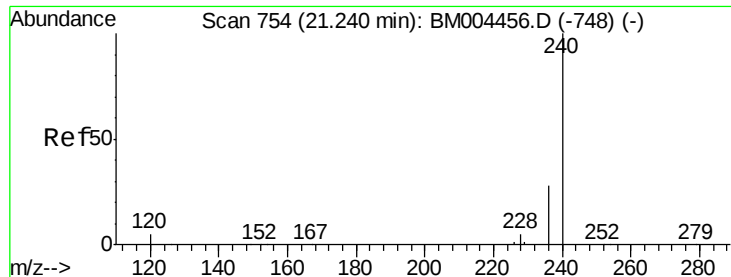


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

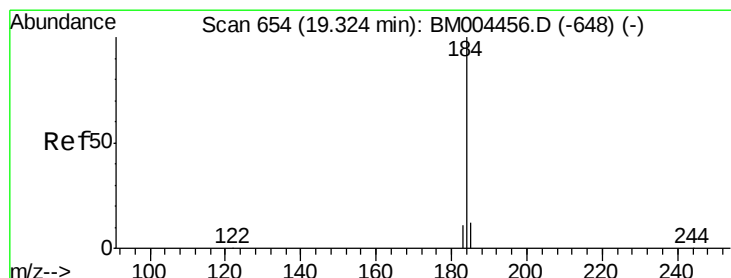
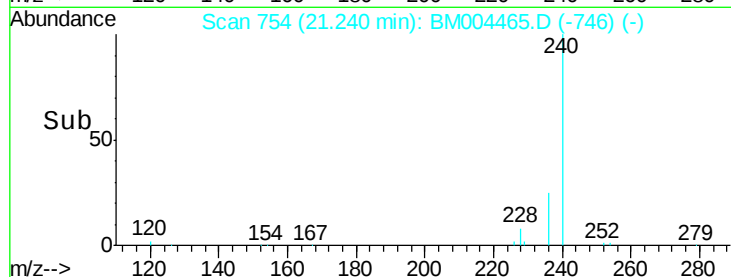
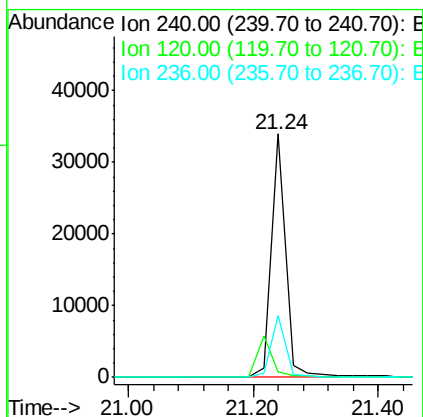
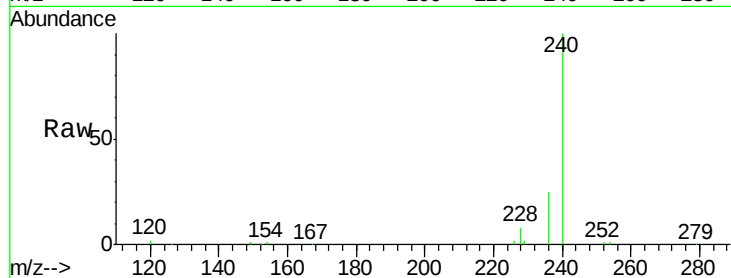




#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.24 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

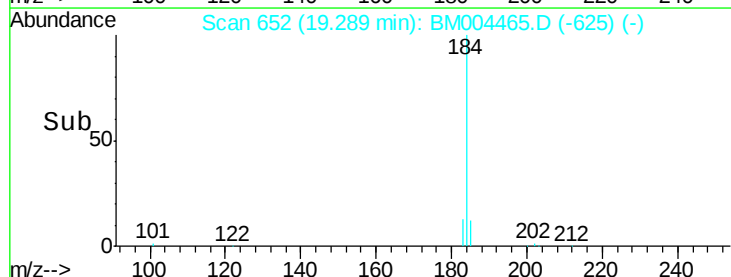
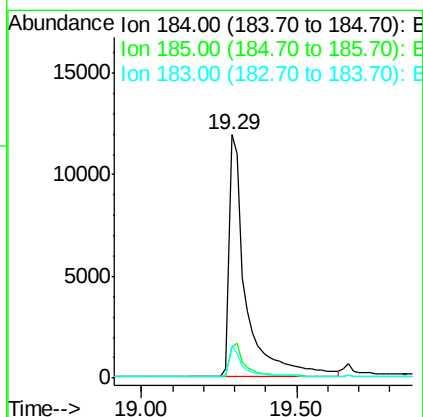
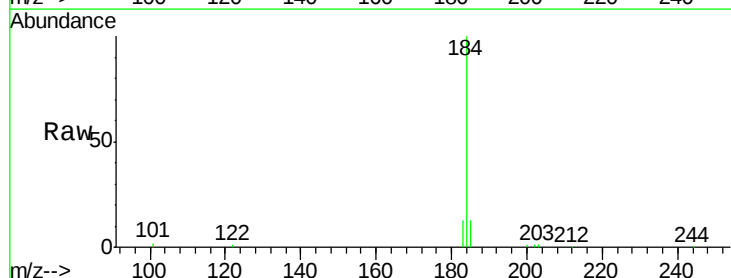
Instrument :
BNA_M
ClientSampleId :
PB88423BSD

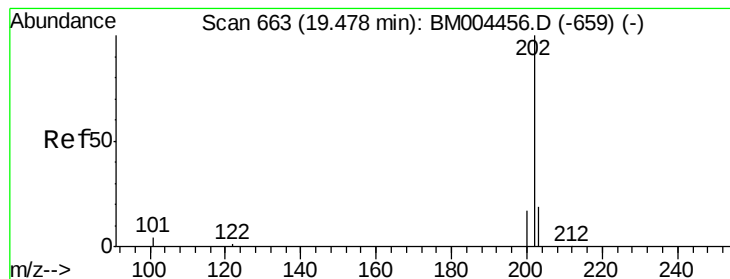
Tot Ion:240 Resp: 54456
Ion Ratio Lower Upper
240 100
120 2.2 4.0 6.0#
236 25.4 22.7 34.1



#20
Benzidine
Concen: 8.96 ng
RT: 19.29 min Scan# 652
Delta R.T. -0.03 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:184 Resp: 44730
Ion Ratio Lower Upper
184 100
185 12.8 20.8 31.2#
183 13.2 18.5 27.7#





#21

Pvrene

Concen: 4.05 ng

RT: 19.46 min Scan# 662

Delta R.T. -0.02 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

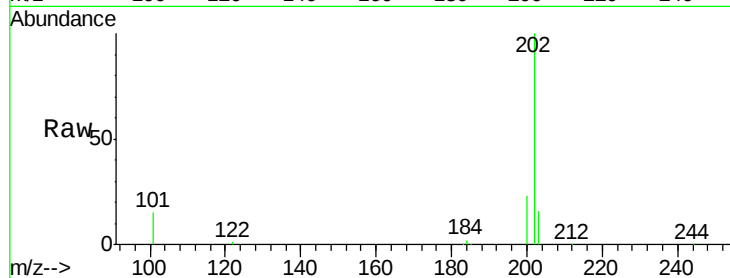
Tot Ion:202 Resp: 65652

Ion Ratio Lower Upper

202 100

200 21.3 16.6 24.8

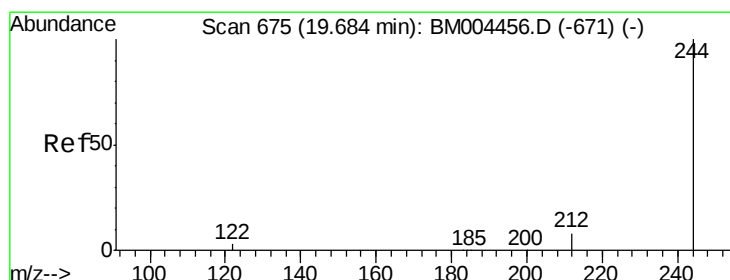
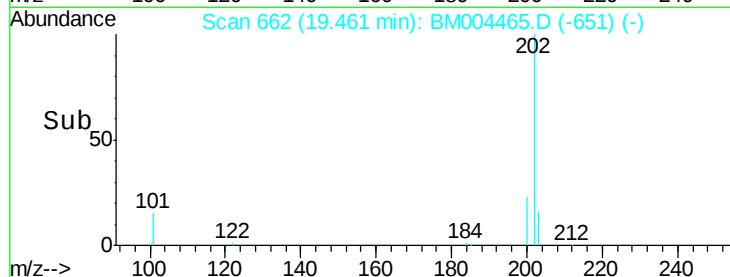
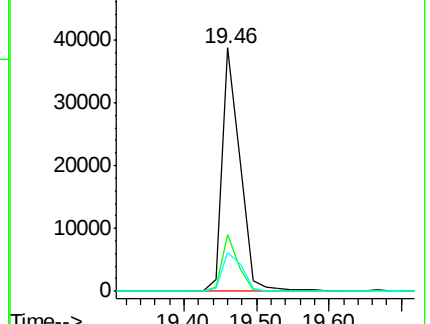
203 17.8 13.9 20.9



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



#22

Terphenyl-d14

Concen: 4.08 ng

RT: 19.67 min Scan# 674

Delta R.T. -0.02 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

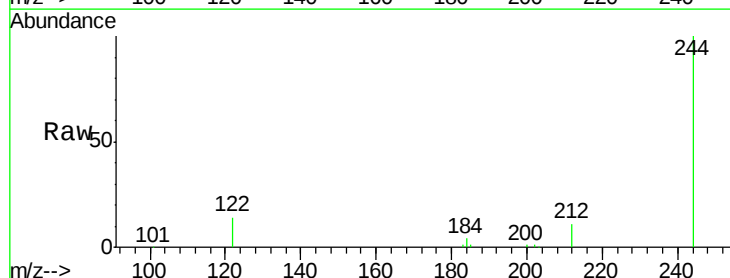
Tgt Ion:244 Resp: 28317

Ion Ratio Lower Upper

244 100

212 10.8 7.4 11.2

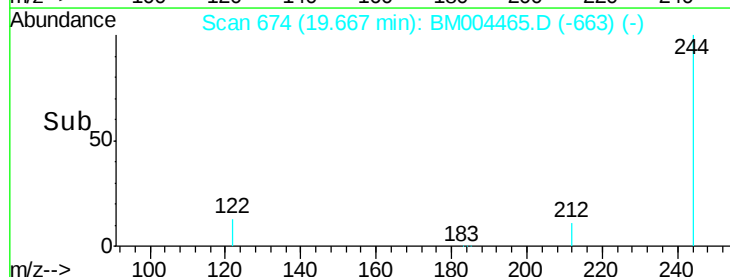
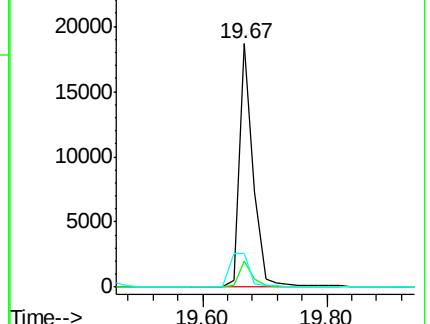
122 13.8 4.2 6.2#

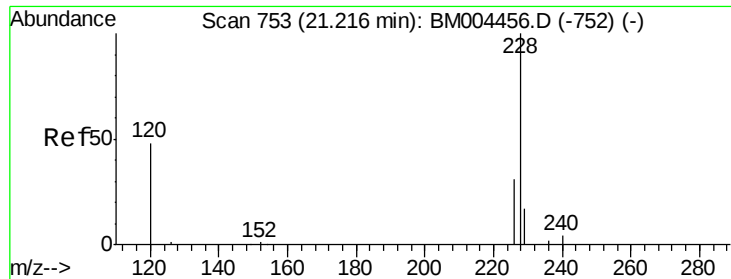


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

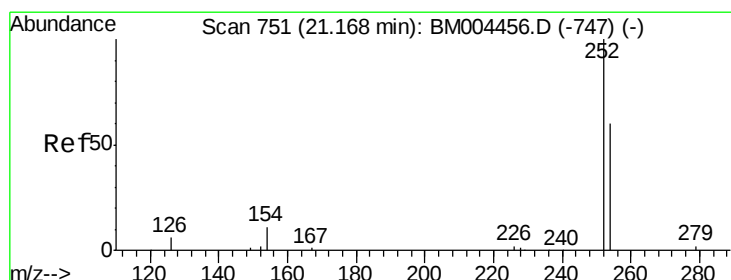
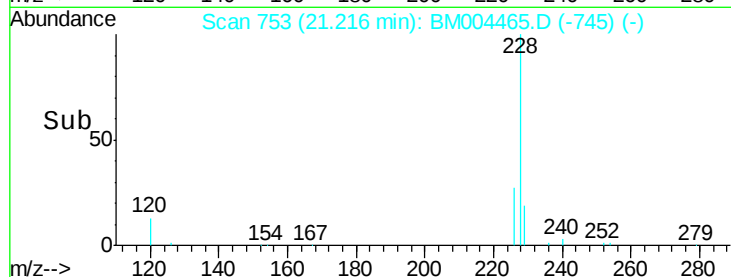
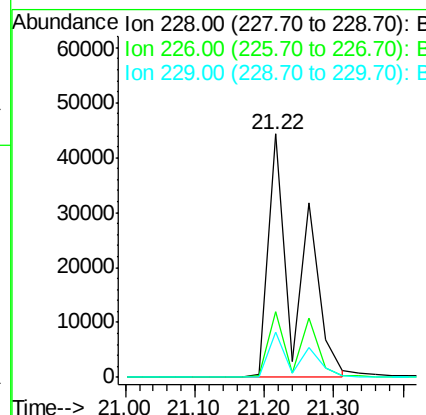
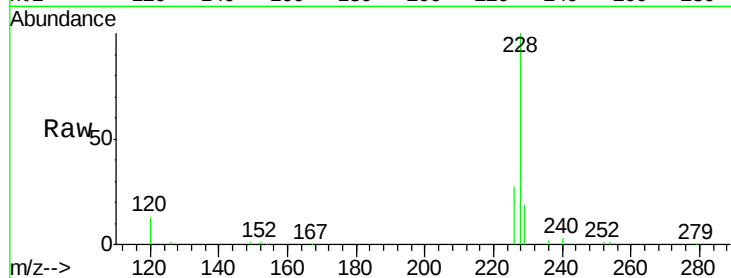




#23
Benzo(a)anthracene
Concen: 8.02 ng
RT: 21.22 min Scan# 753
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

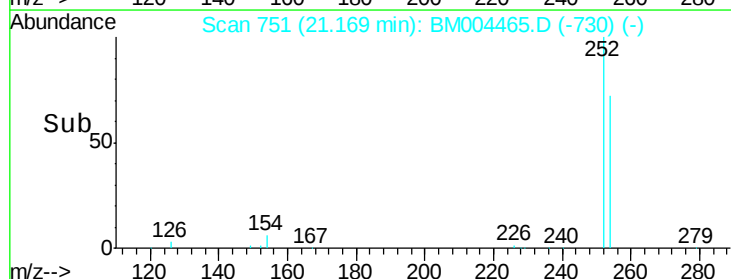
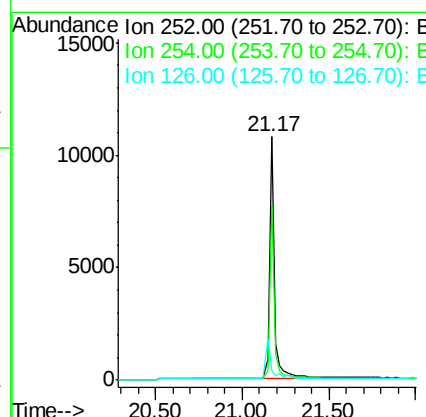
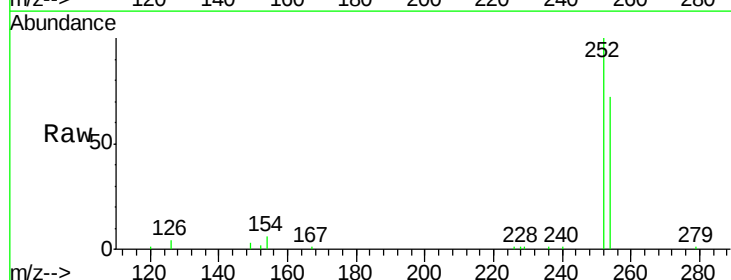
Instrument :
BNA_M
ClientSampleId :
PB88423BSD

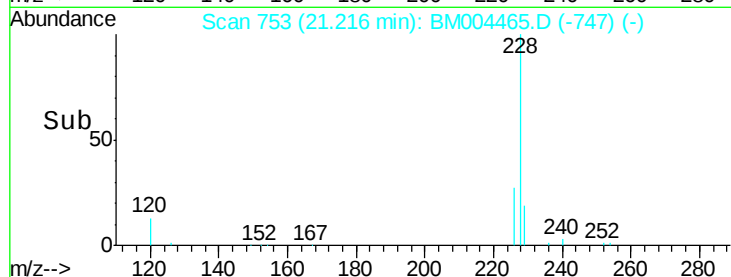
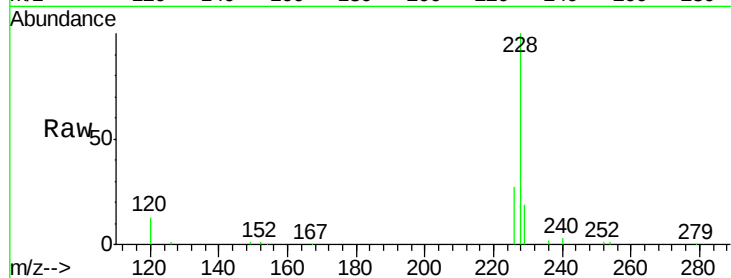
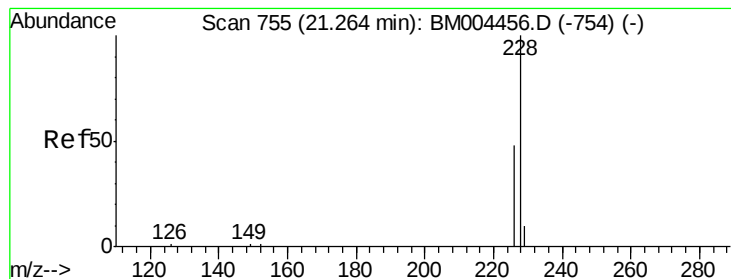
Tot Ion:228 Resp: 124783
Ion Ratio Lower Upper
228 100
226 26.7 25.1 37.7
229 18.8 14.2 21.4



#24
3,3'-Dichlorobenzidine
Concen: 4.16 ng
RT: 21.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: BM004465.D
Acq: 29 Feb 2016 01:09

Tgt Ion:252 Resp: 22196
Ion Ratio Lower Upper
252 100
254 71.6 48.7 73.1
126 3.9 8.2 12.2#





#25

Chrysene

Concen: 10.46 ng

RT: 21.22 min Scan# 753

Delta R.T. -0.05 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

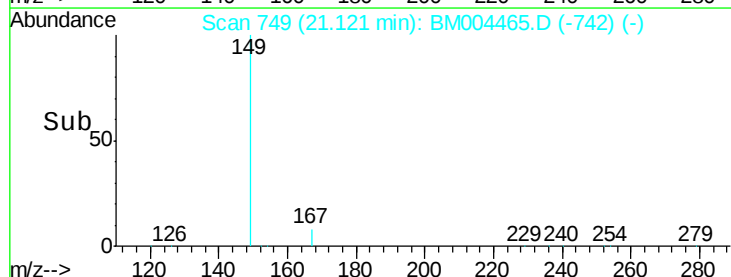
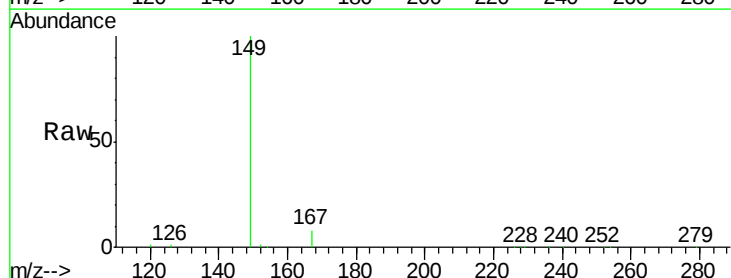
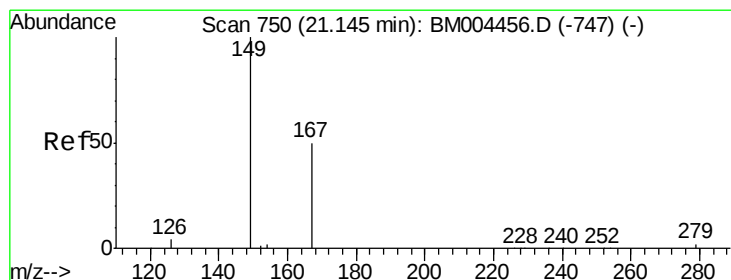
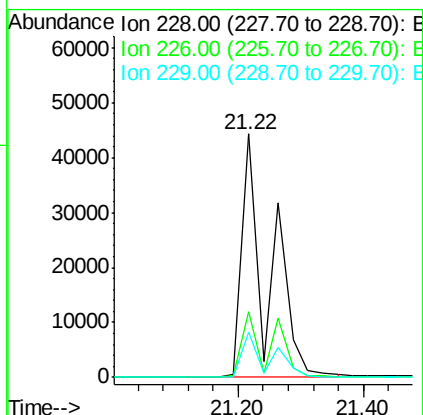
Tot Ion:228 Resp: 126292

Ion Ratio Lower Upper

228 100

226 26.7 31.0 46.6#

229 18.8 13.4 20.2



#26

Bis(2-ethylhexyl)phthalate

Concen: 3.80 ng

RT: 21.12 min Scan# 749

Delta R.T. -0.02 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

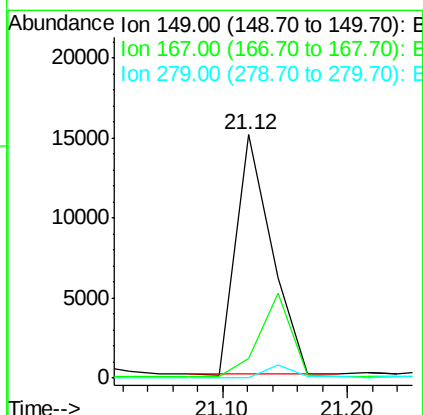
Tgt Ion:149 Resp: 30268

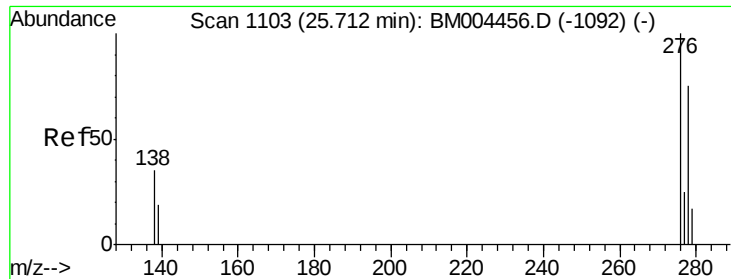
Ion Ratio Lower Upper

149 100

167 0.0 33.1 49.7#

279 0.0 2.0 3.0#

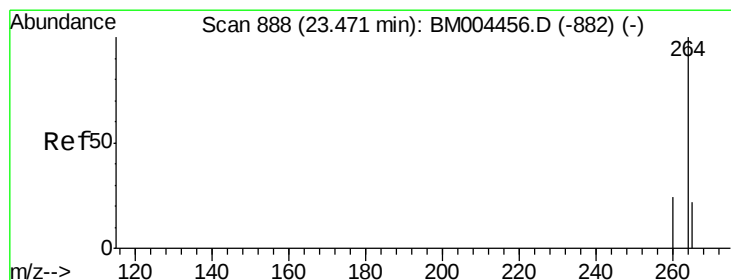
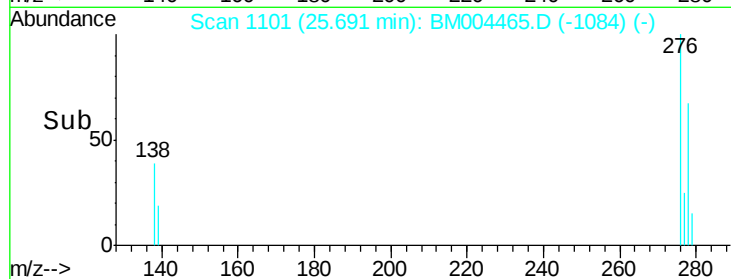
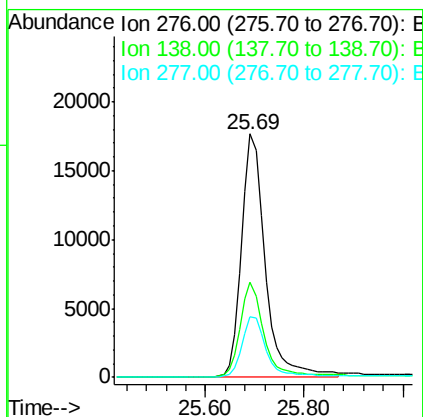
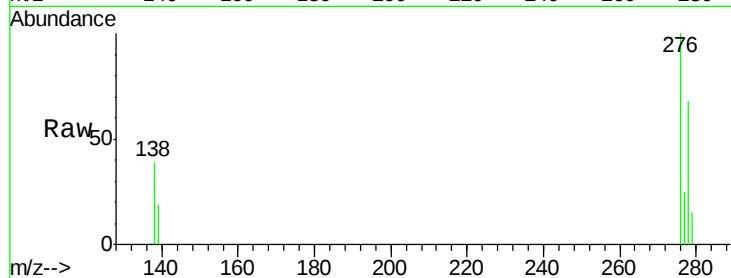




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 3.99 ng
 RT: 25.69 min Scan# 1101
 Delta R.T. -0.02 min
 Lab File: BM004465.D
 Acq: 29 Feb 2016 01:09

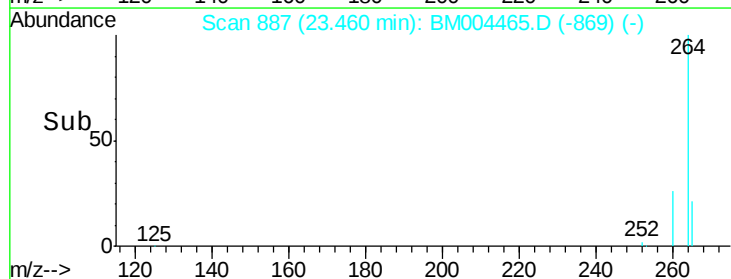
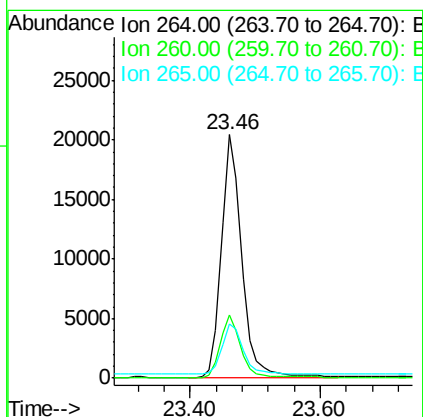
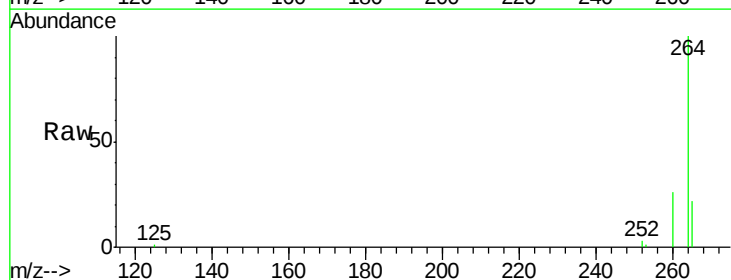
Instrument :
 BNA_M
 ClientSampleId :
 PB88423BSD

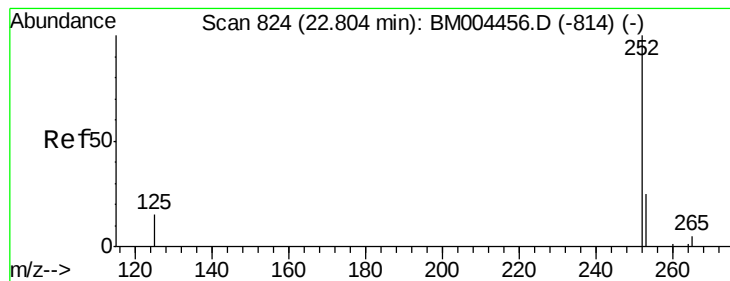
Tot Ion:276 Resp: 56555
 Ion Ratio Lower Upper
 276 100
 138 38.2 30.0 45.0
 277 24.9 19.8 29.8



#28
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.46 min Scan# 887
 Delta R.T. -0.01 min
 Lab File: BM004465.D
 Acq: 29 Feb 2016 01:09

Tgt Ion:264 Resp: 44185
 Ion Ratio Lower Upper
 264 100
 260 26.1 19.4 29.2
 265 22.3 18.9 28.3





#29

Benzo(b)fluoranthene

Concen: 3.69 ng

RT: 22.79 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

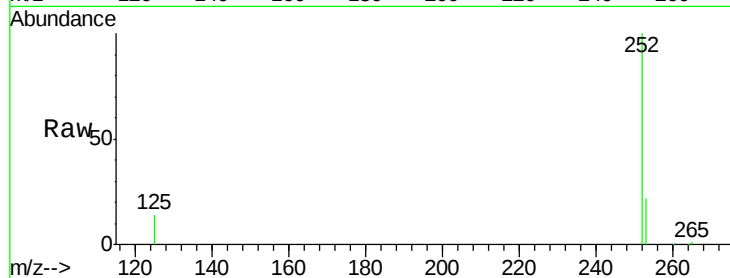
Tot Ion:252 Resp: 61526

Ion Ratio Lower Upper

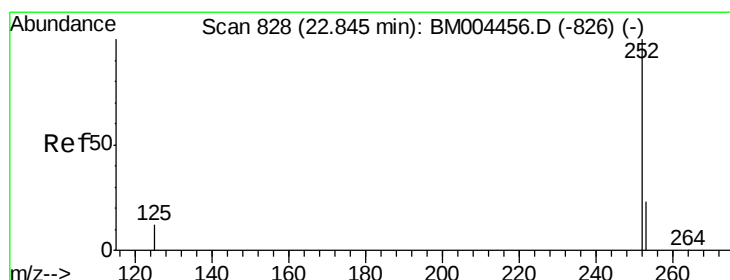
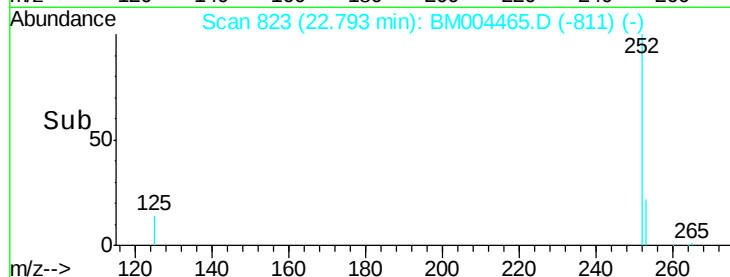
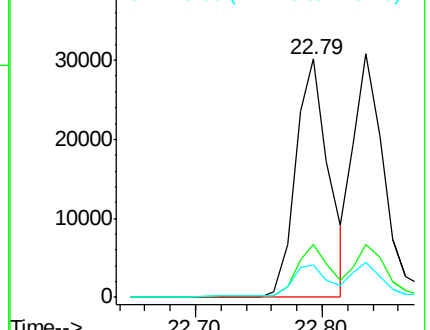
252 100

253 22.4 19.8 29.6

125 13.8 12.2 18.2



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



#30

Benzo(k)fluoranthene

Concen: 3.68 ng

RT: 22.83 min Scan# 827

Delta R.T. -0.01 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

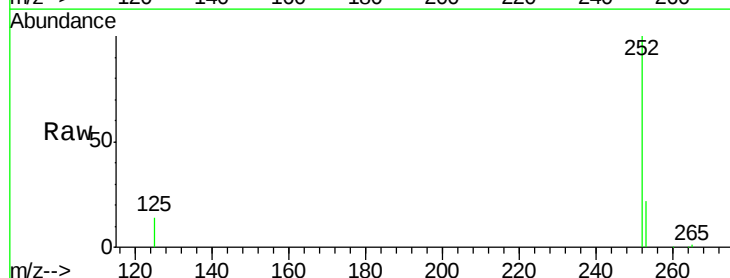
Tgt Ion:252 Resp: 52876

Ion Ratio Lower Upper

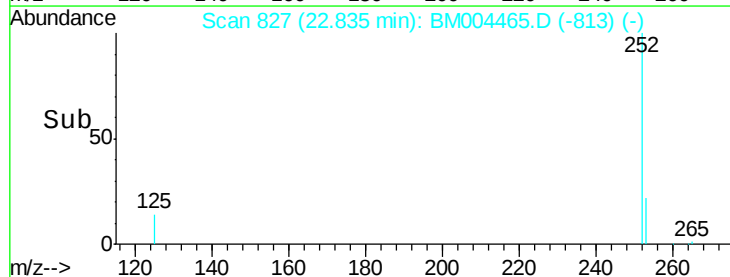
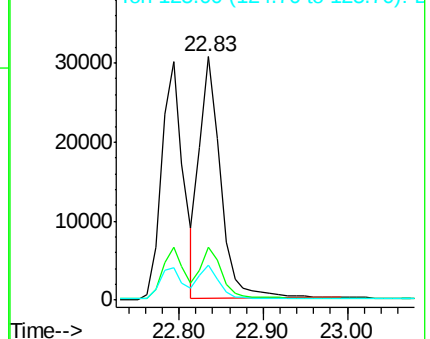
252 100

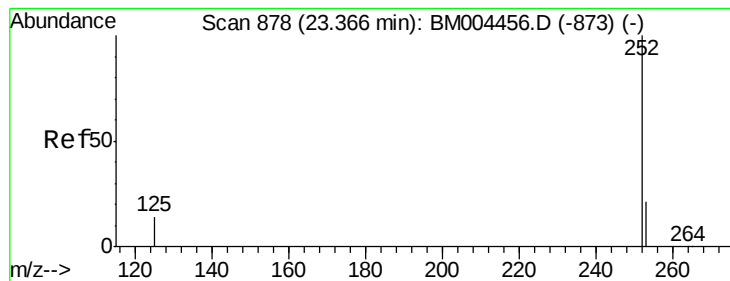
253 21.7 19.3 28.9

125 14.2 12.4 18.6



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





#31

Benzo(a)pyrene

Concen: 4.01 ng

RT: 23.36 min Scan# 877

Delta R.T. -0.01 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD

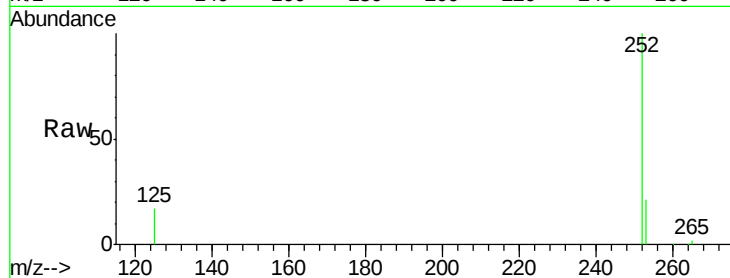
Tot Ion:252 Resp: 51996

Ion Ratio Lower Upper

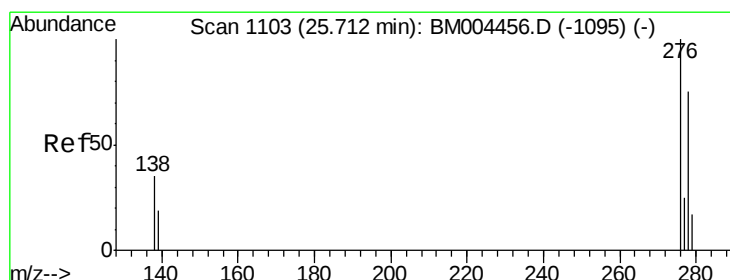
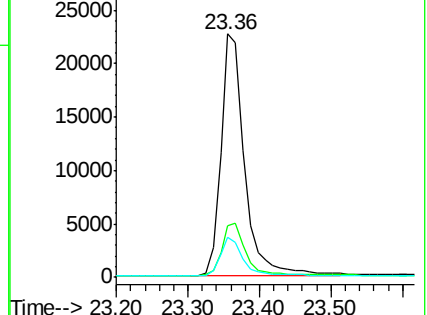
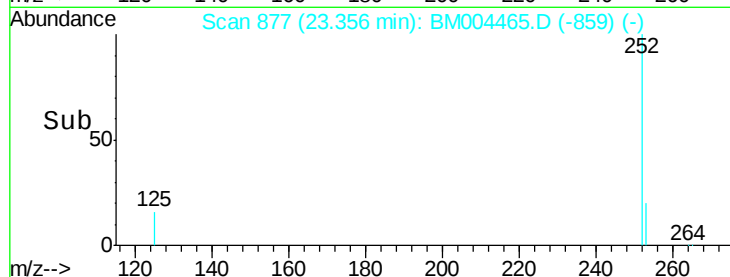
252 100

253 21.1 19.3 28.9

125 16.6 14.4 21.6



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



#32

Dibenzo(a,h)anthracene

Concen: 3.87 ng

RT: 25.70 min Scan# 1102

Delta R.T. -0.01 min

Lab File: BM004465.D

Acq: 29 Feb 2016 01:09

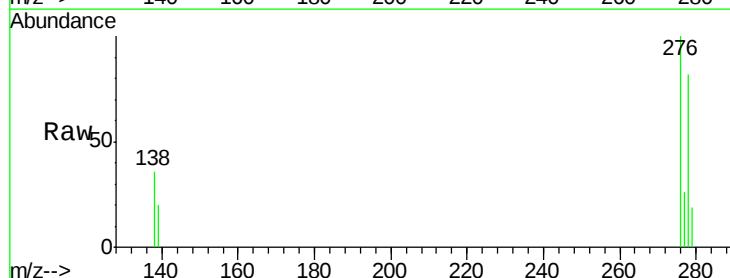
Tgt Ion:278 Resp: 44748

Ion Ratio Lower Upper

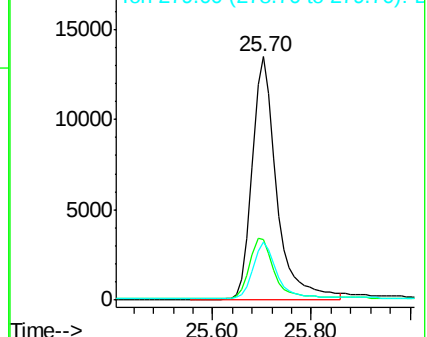
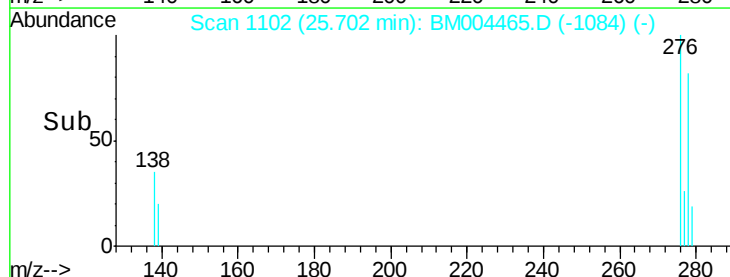
278 100

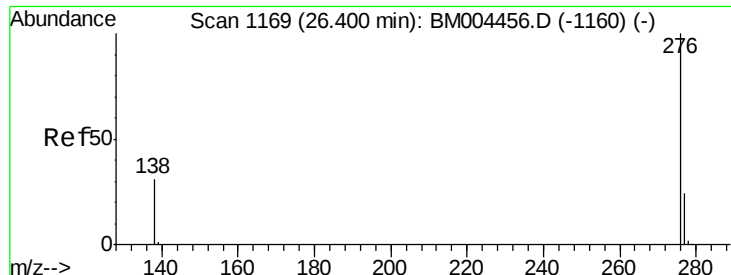
139 24.8 22.3 33.5

279 23.7 20.7 31.1



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





#33

Benzo(a,h,i)perylene

Concen: 3.81 ng

RT: 26.38 min Scan# 1167

Delta R.T. -0.02 min

Lab File: BM004465.D

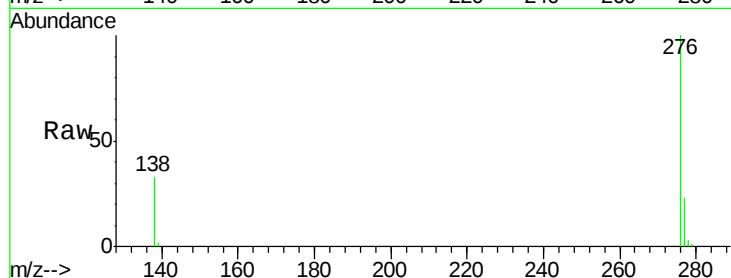
Acq: 29 Feb 2016 01:09

Instrument :

BNA_M

ClientSampleId :

PB88423BSD



Tot Ion: 276 Resp: 48428

Ion Ratio Lower Upper

276 100

277 23.3 20.4 30.6

138 33.0 26.4 39.6

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

