

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004467.D
 Acq On : 29 Feb 2016 02:21
 Operator : SJ/UM
 Sample : H1509-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-1-FD

Quant Time: Feb 29 06:33:41 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

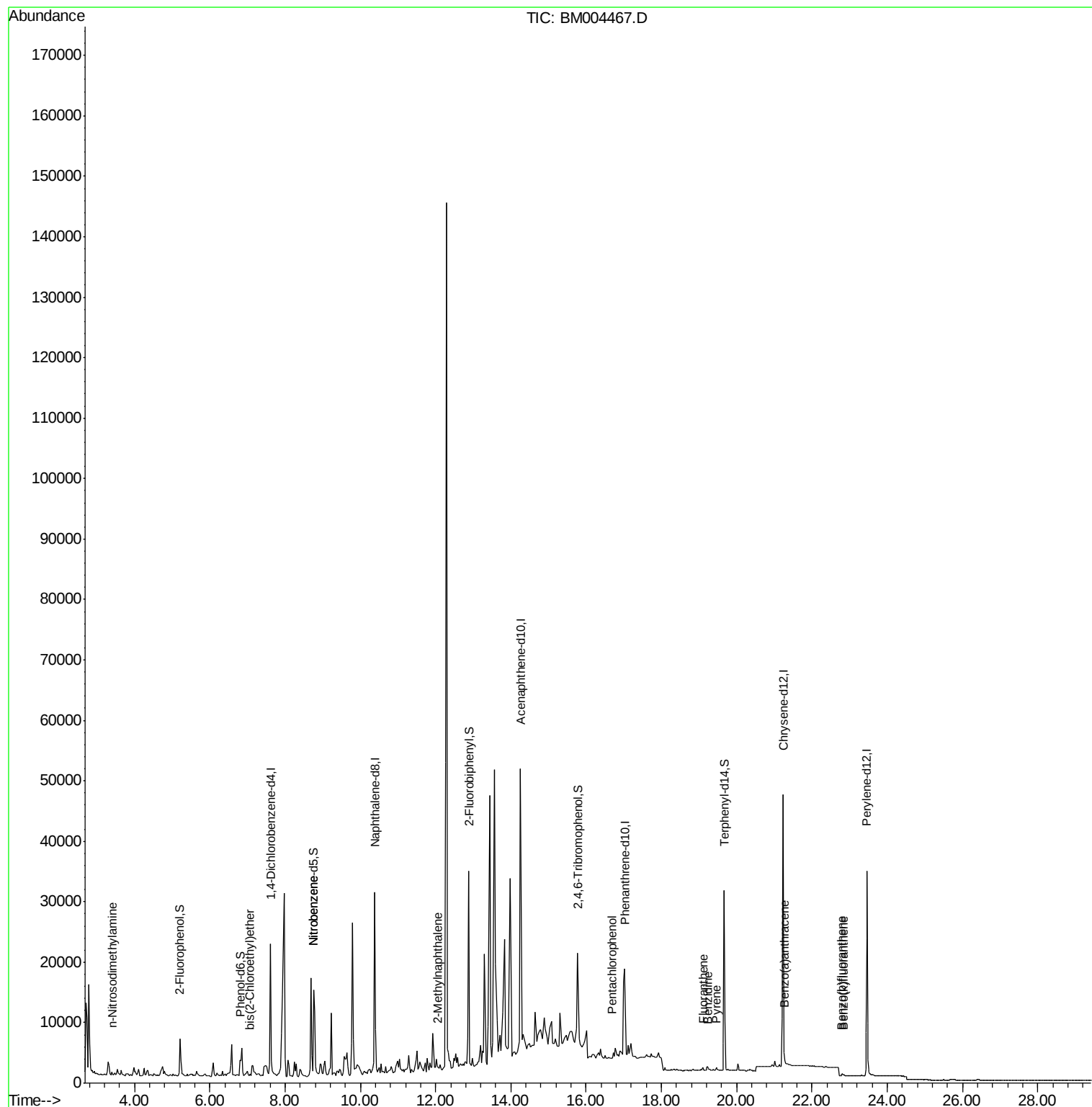
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	13166	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	49845	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	36410	5.00	ng	0.00
15) Phenanthrene-d10	17.03	188	37671	5.00	ng	0.00
19) Chrysene-d12	21.24	240	54759	5.00	ng	0.00
28) Perylene-d12	23.46	264	44292	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	7461	2.58	ng	0.00
5) Phenol-d6	6.83	99	5011	1.52	ng	0.00
8) Nitrobenzene-d5	8.76	82	11103	4.03	ng	-0.02
13) 2,4,6-Tribromophenol	15.78	330	14564	7.82	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	40668	3.66	ng	0.00
22) Terphenyl-d14	19.67	244	33423	4.79	ng	-0.02
Target Compounds						
3) n-Nitrosodimethylamine	3.40	42	326	0.33	ng	# 97
6) bis(2-Chloroethyl)ether	7.07	93	129	0.05	ng	# 1
9) Nitrobenzene	8.76	77	5029	1.65	ng	# 1
11) 2-Methylnaphthalene	12.07	142	947	0.12	ng	# 70
16) Hexachlorobenzene	16.35	284	13	Below Cal	#	100
17) Pentachlorophenol	16.69	266	110	0.44	ng	# 83
18) Fluoranthene	19.10	202	400	0.03	ng	# 86
20) Benzidine	19.24	184	246	0.46	ng	# 1
21) Pyrene	19.46	202	500	0.03	ng	# 58
23) Benzo(a)anthracene	21.26	228	1464	0.09	ng	# 64
25) Chrysene	21.26	228	1533	Below Cal	#	74
26) Bis(2-ethylhexyl)phthalate	21.12	149	553	Below Cal	#	37
29) Benzo(b)fluoranthene	22.79	252	556	0.03	ng	# 1
30) Benzo(k)fluoranthene	22.83	252	298	0.02	ng	# 1

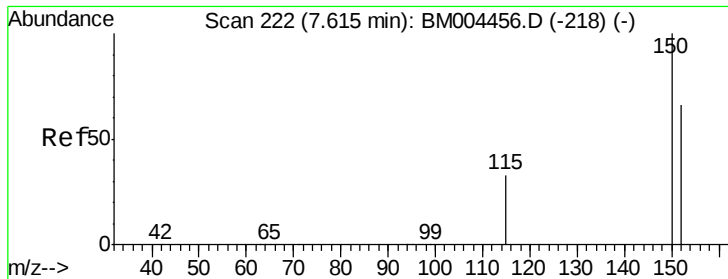
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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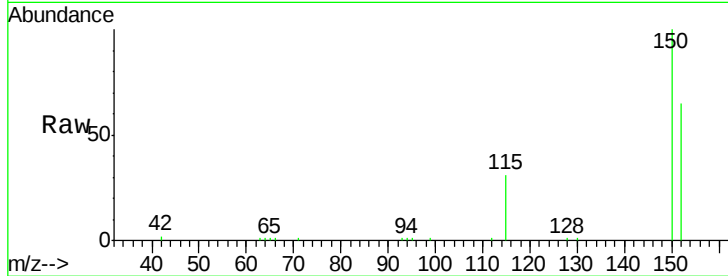


#1

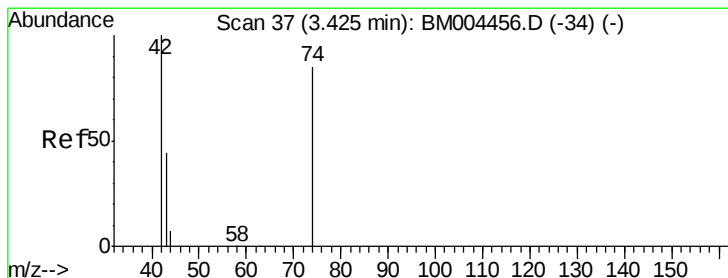
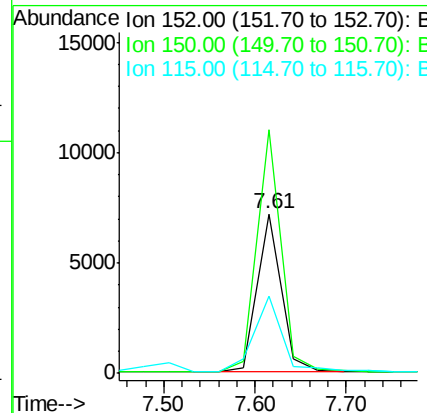
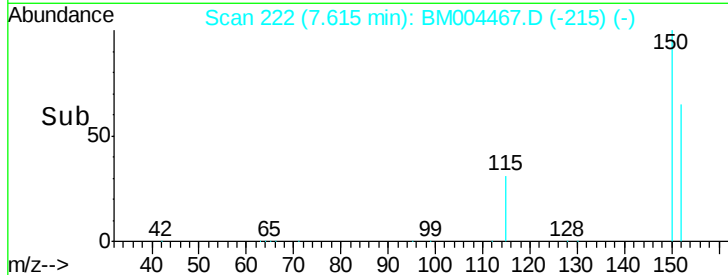
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 222
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Instrument :
BNA_M
ClientSampleId :
MW-1-FD

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.9	185.9
115	48.0	40.6	61.0



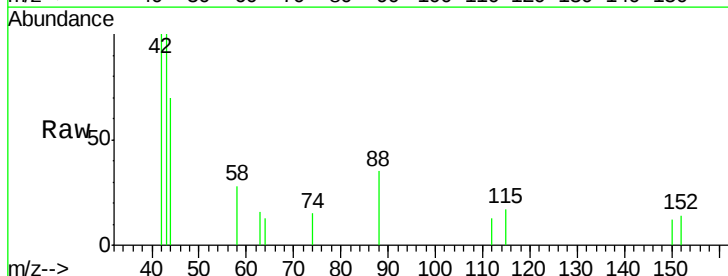
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



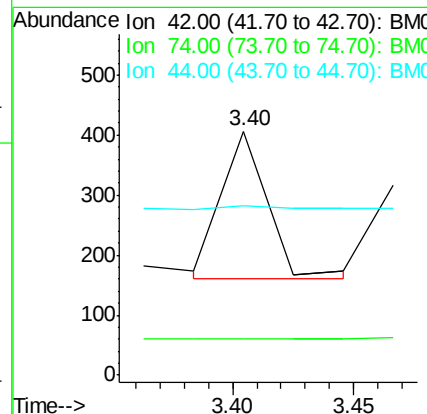
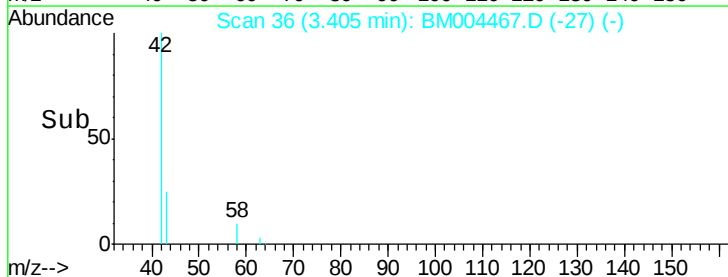
#3

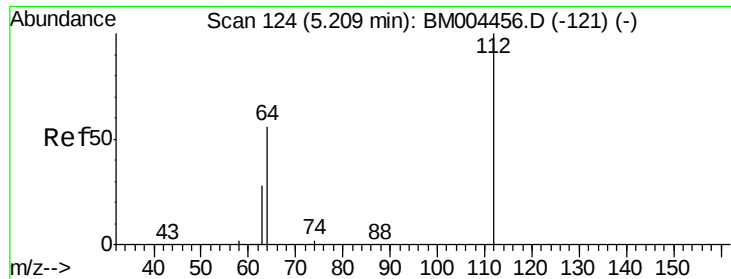
n-Nitrosodimethylamine
Concen: 0.33 ng
RT: 3.40 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion	Ratio	Lower	Upper
42	100		
74	0.0	0.0	0.0
44	8.3	5.8	8.6



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 2.58 ng

RT: 5.21 min Scan# 124

Delta R.T. -0.00 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampled :

MW-1-FD

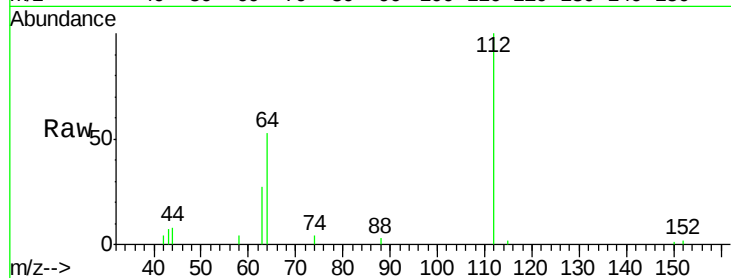
Tot Ion:112 Resp: 7461

Ion Ratio Lower Upper

112 100

64 47.6 39.4 59.2

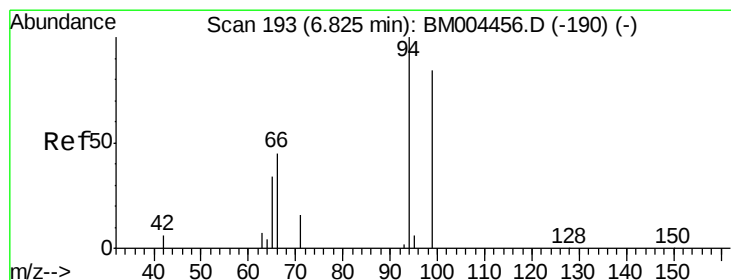
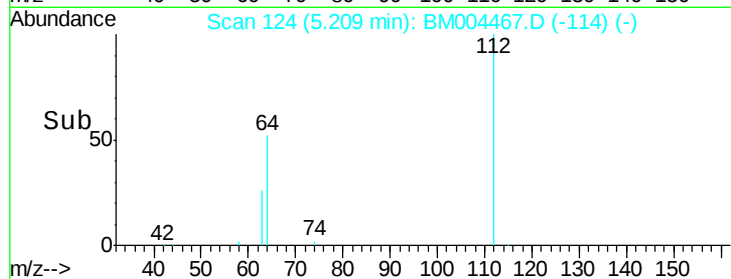
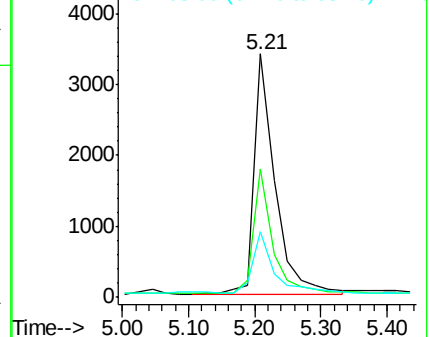
63 25.9 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 1.52 ng

RT: 6.83 min Scan# 193

Delta R.T. -0.00 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

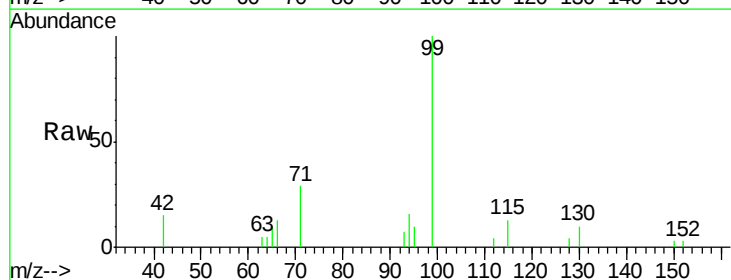
Tgt Ion: 99 Resp: 5011

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

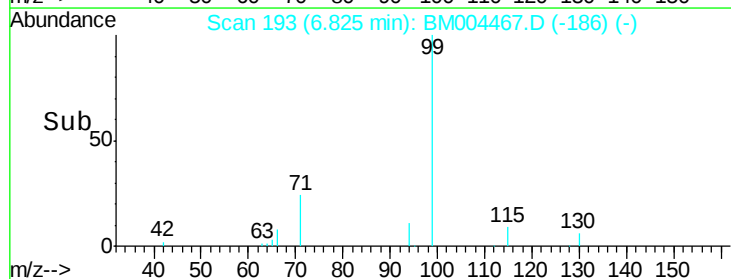
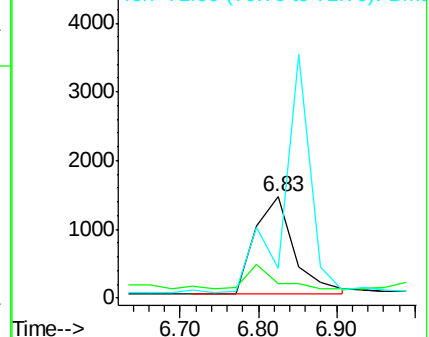
71 0.0 0.0 0.0

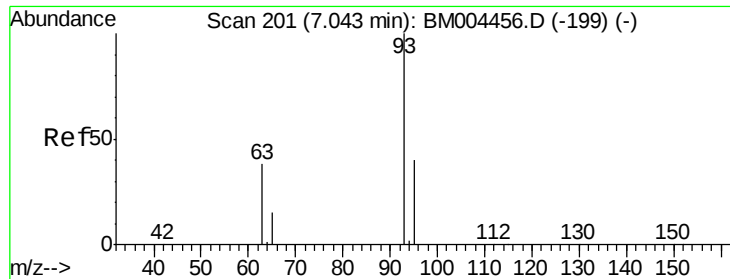


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 7.07 min Scan# 202

Delta R.T. 0.03 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

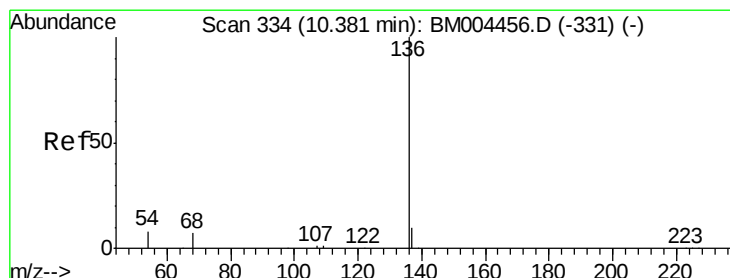
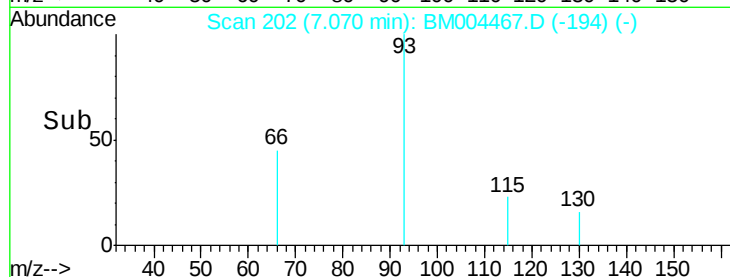
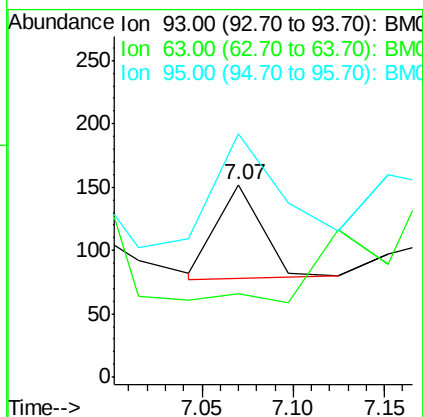
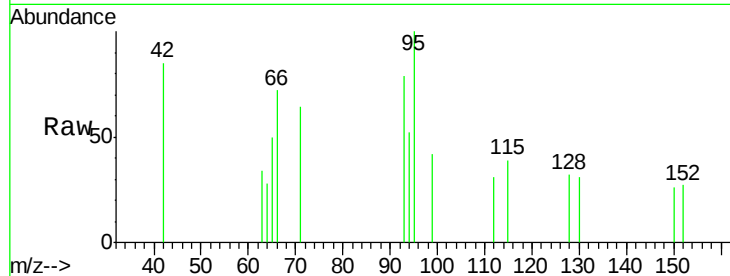
Tot Ion: 93 Resp: 129

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

95 184.5 27.1 40.7#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. -0.00 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Tgt Ion: 136 Resp: 49845

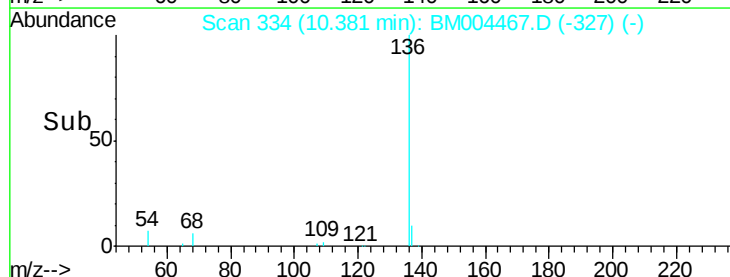
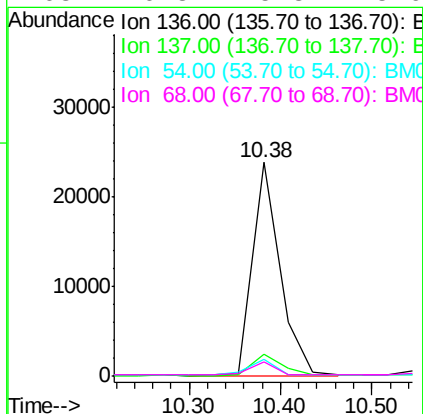
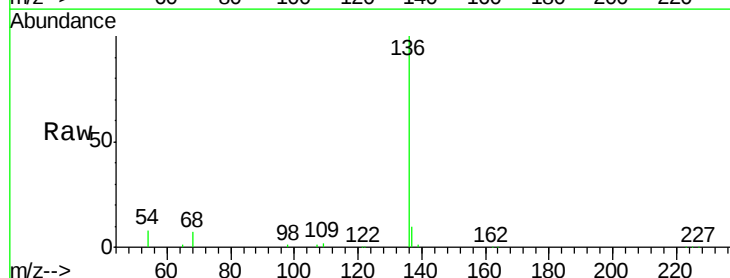
Ion Ratio Lower Upper

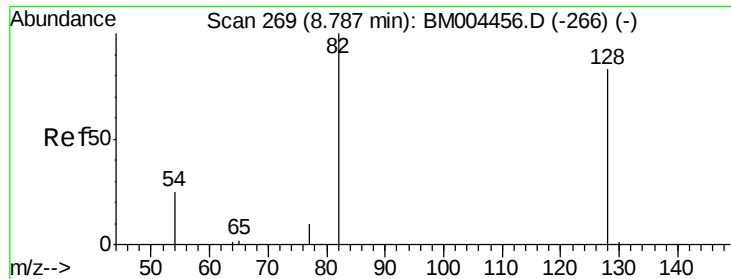
136 100

137 10.3 8.0 12.0

54 7.7 7.0 10.6

68 6.8 5.8 8.6





#8

Nitrobenzene-d5

Concen: 4.03 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.02 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

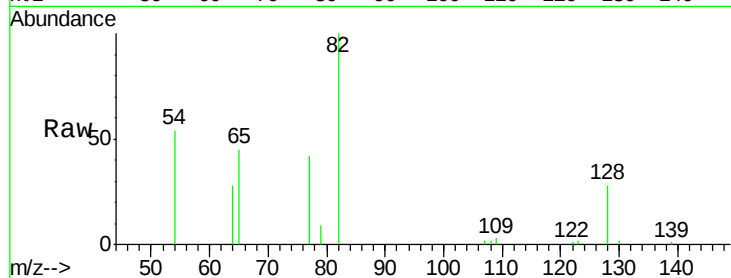
Tot Ion: 82 Resp: 11103

Ion Ratio Lower Upper

82 100

128 27.7 67.0 100.6#

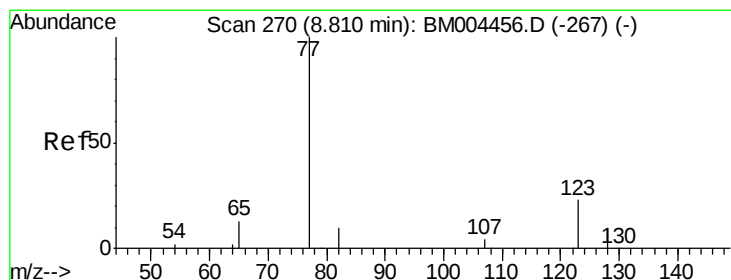
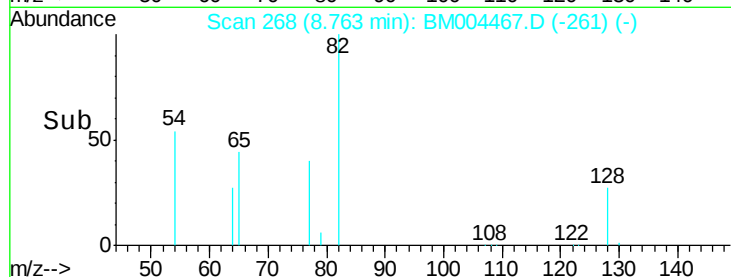
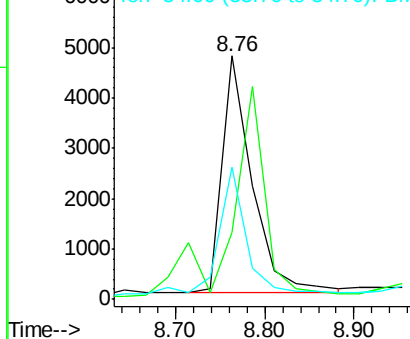
54 54.5 25.2 37.8#



Abundance Ion 82.00 (81.70 to 82.70): BM004456.D (-266) (-)

Ion 128.00 (127.70 to 128.70): BM004456.D (-266) (-)

Ion 54.00 (53.70 to 54.70): BM004456.D (-266) (-)



#9

Nitrobenzene

Concen: 1.65 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.05 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

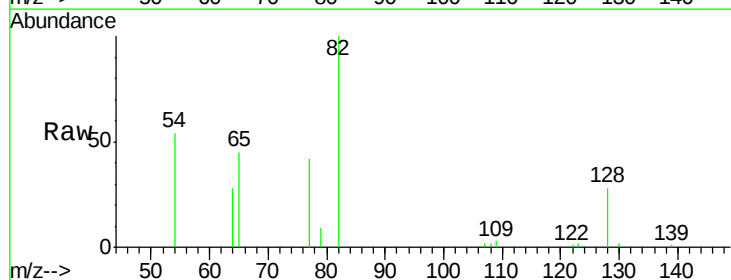
Tgt Ion: 77 Resp: 5029

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

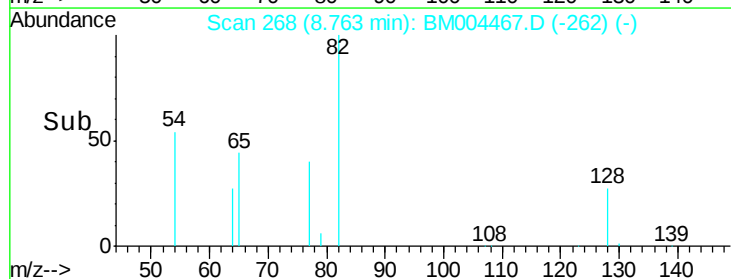
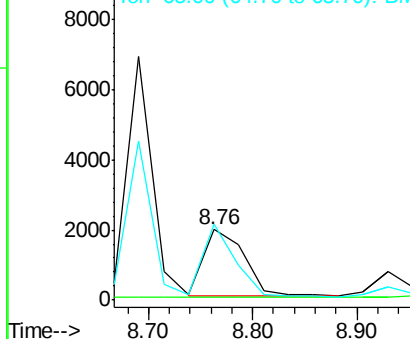
65 86.9 10.1 15.1#

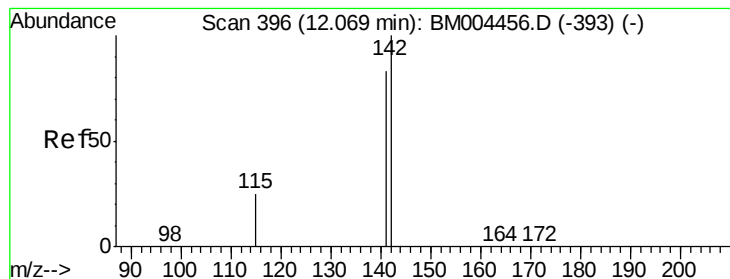


Abundance Ion 77.00 (76.70 to 77.70): BM004456.D (-267) (-)

Ion 123.00 (122.70 to 123.70): BM004456.D (-267) (-)

Ion 65.00 (64.70 to 65.70): BM004456.D (-267) (-)





#11

2-Methylnaphthalene

Concen: 0.12 ng

RT: 12.07 min Scan# 396

Delta R.T. -0.00 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

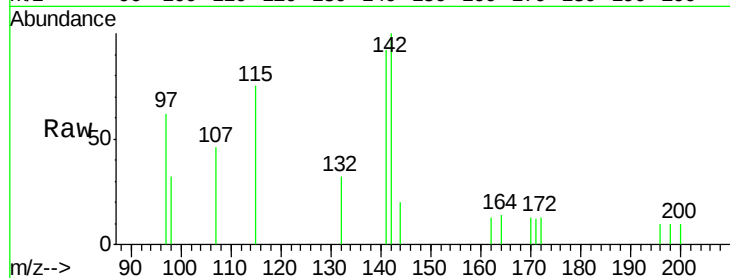
Tot Ion:142 Resp: 947

Ion Ratio Lower Upper

142 100

141 92.3 66.4 99.6

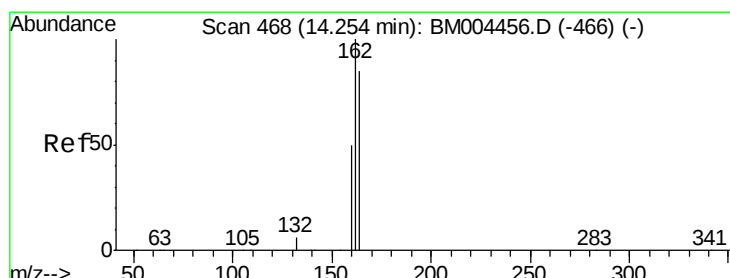
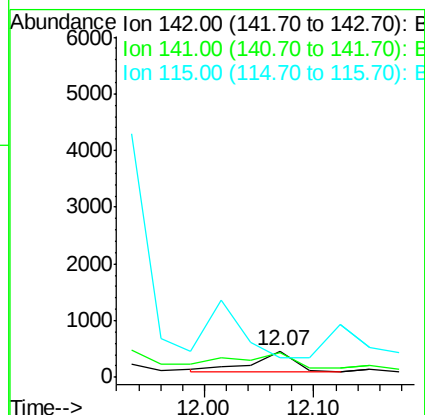
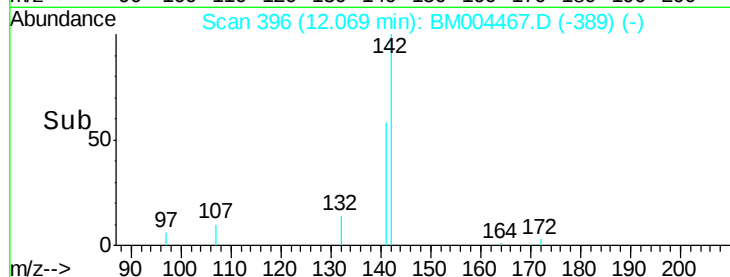
115 74.8 21.6 32.4#



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

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 468

Delta R.T. -0.00 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

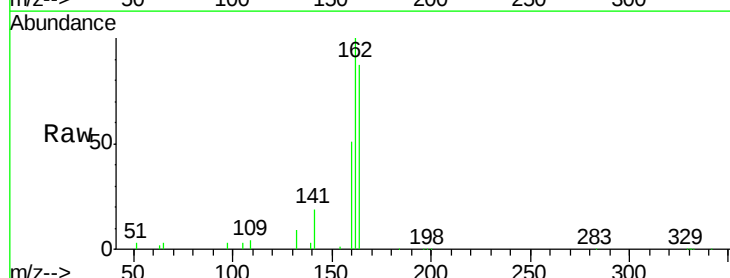
Tgt Ion:164 Resp: 36410

Ion Ratio Lower Upper

164 100

162 114.6 94.6 141.8

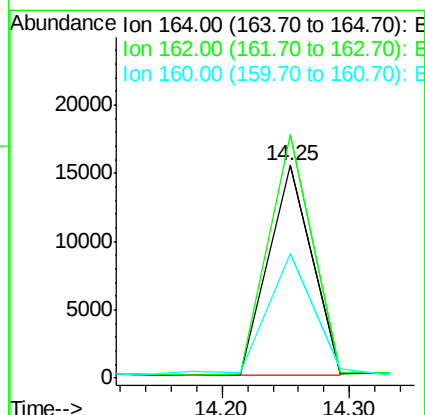
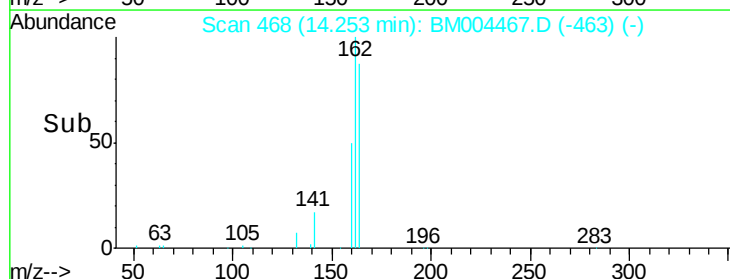
160 58.6 47.0 70.4

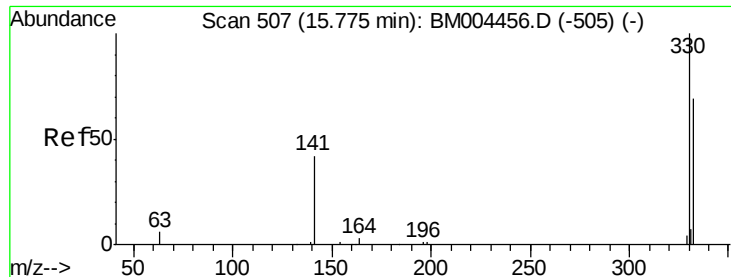


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

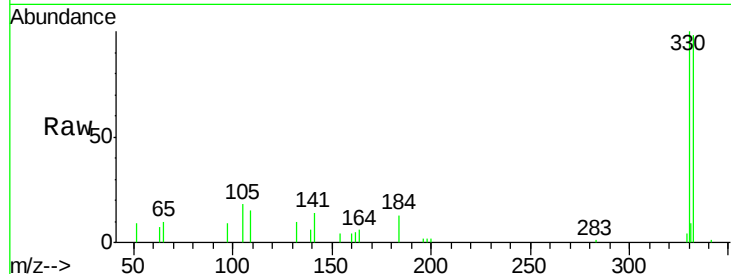




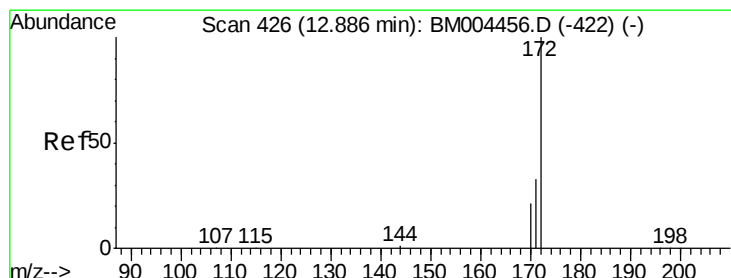
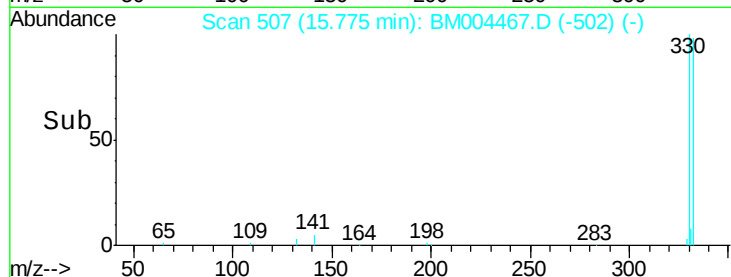
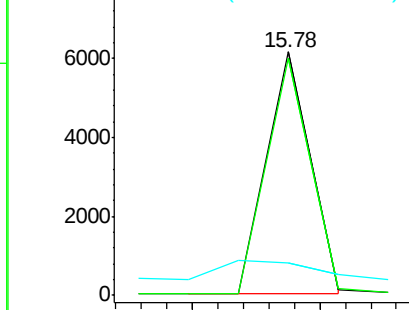
#13
 2,4,6-Tribromophenol
 Concen: 7.82 ng
 RT: 15.78 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: BM004467.D
 Acq: 29 Feb 2016 02:21

Instrument :
 BNA_M
 ClientSampleId :
 MW-1-FD

Tot Ion:330 Resp: 14564
 Ion Ratio Lower Upper
 330 100
 332 97.9 59.2 88.8#
 141 0.0 33.0 49.4#

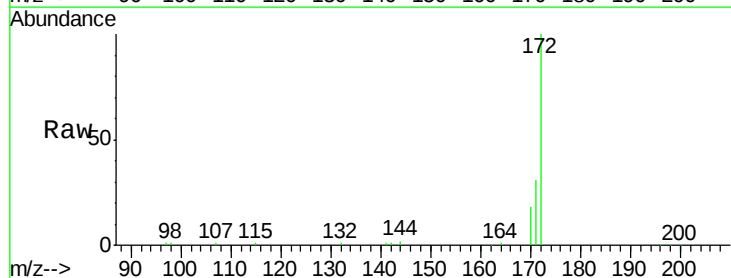


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

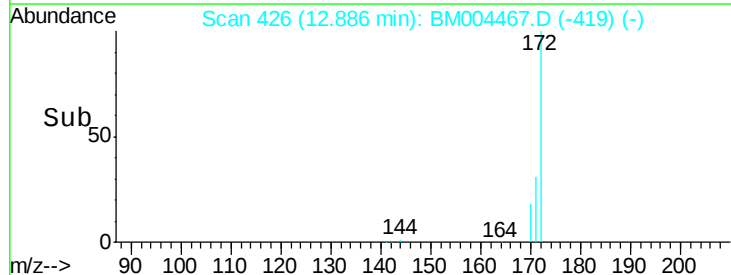
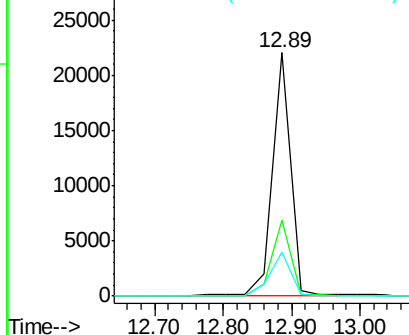


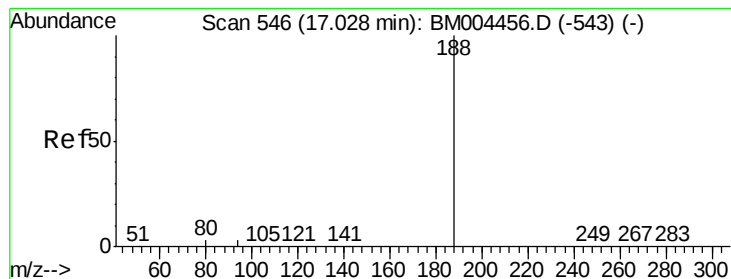
#14
 2-Fluorobiphenyl
 Concen: 3.66 ng
 RT: 12.89 min Scan# 426
 Delta R.T. -0.00 min
 Lab File: BM004467.D
 Acq: 29 Feb 2016 02:21

Tgt Ion:172 Resp: 40668
 Ion Ratio Lower Upper
 172 100
 171 31.1 27.2 40.8
 170 18.1 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: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

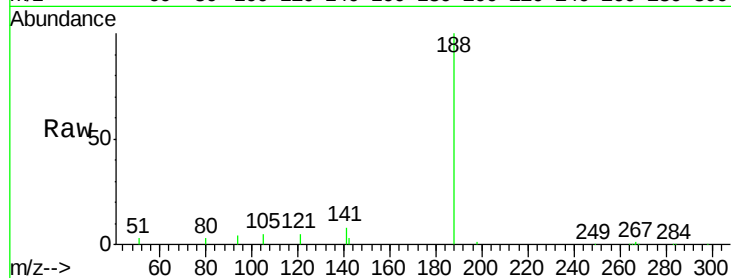
Tot Ion:188 Resp: 37671

Ion Ratio Lower Upper

188 100

94 4.5 2.7 4.1#

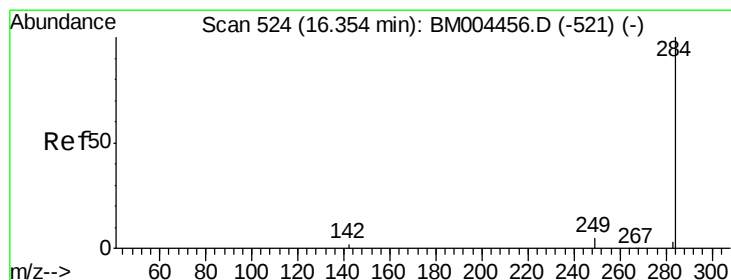
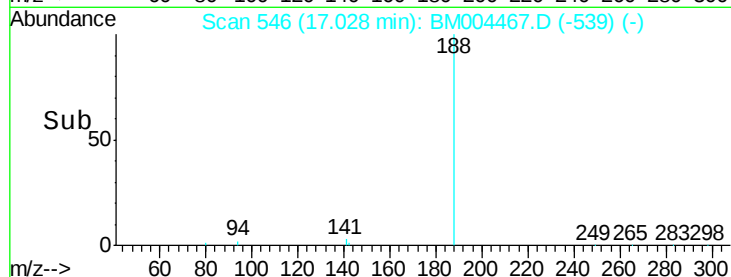
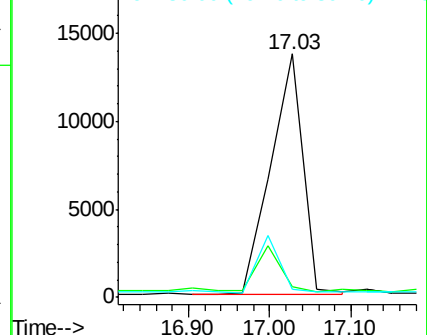
80 3.5 2.2 3.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#16

Hexachlorobenzene

Concen: Below Cal

RT: 16.35 min Scan# 524

Delta R.T. 0.00 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

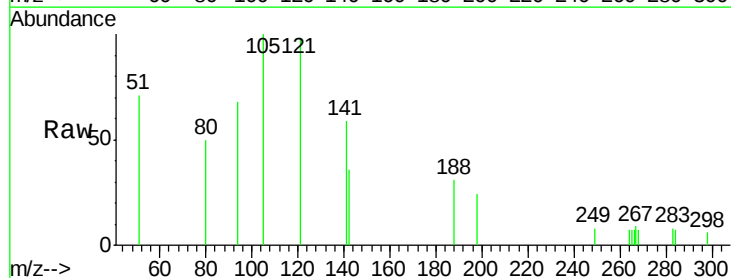
Tgt Ion:284 Resp: 13

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

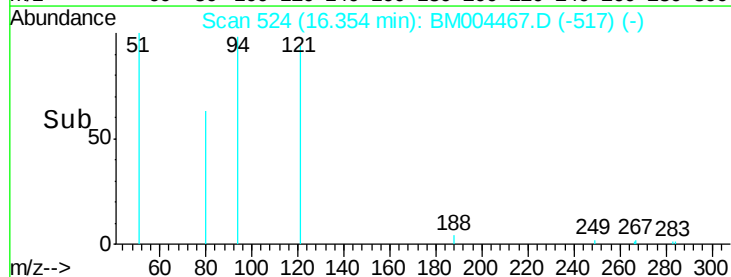
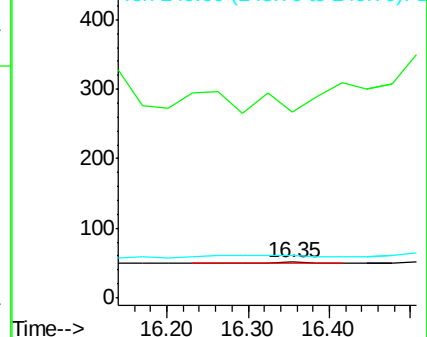
249 0.0 0.0 0.0

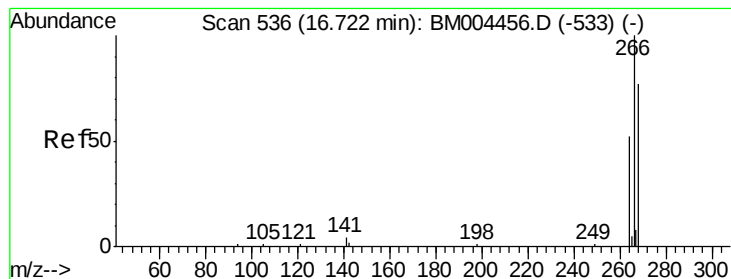


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





#17

Pentachlorophenol

Concen: 0.44 ng

RT: 16.69 min Scan# 535

Delta R.T. -0.03 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

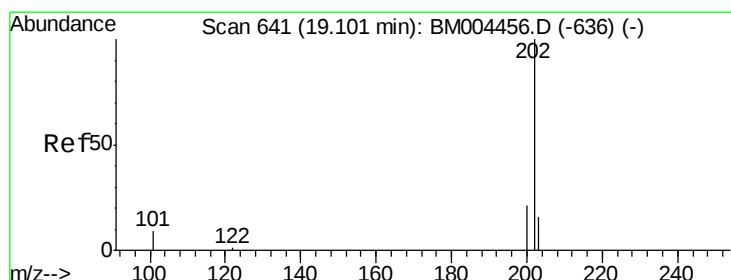
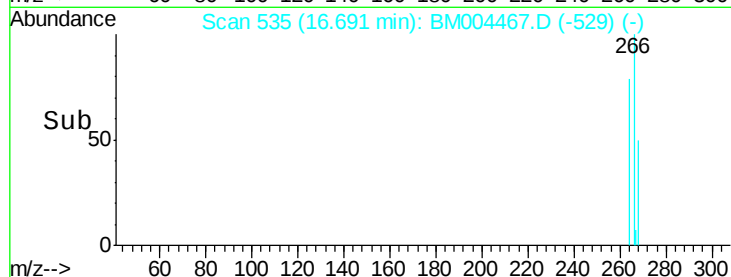
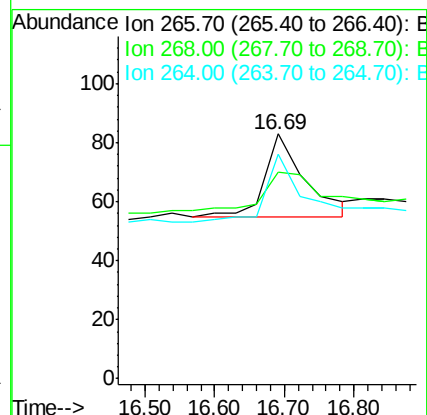
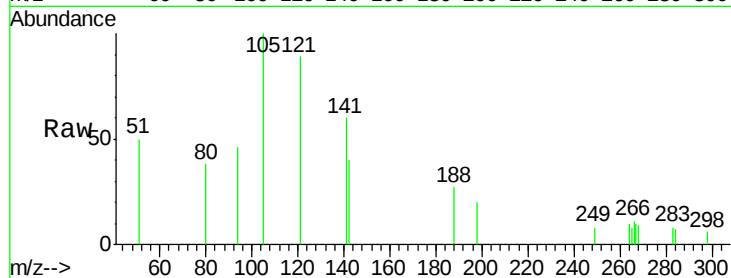
Tot Ion:266 Resp: 110

Ion Ratio Lower Upper

266 100

268 84.3 66.8 100.2

264 91.6 49.4 74.0#



#18

Fluoranthene

Concen: 0.03 ng

RT: 19.10 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

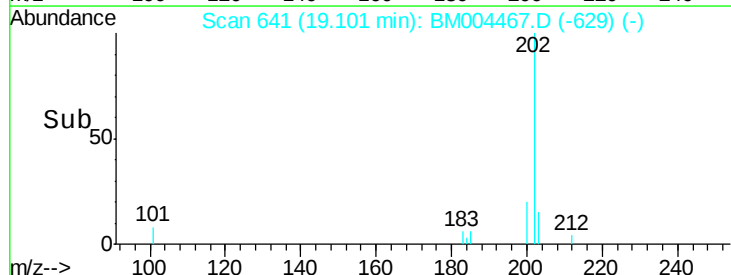
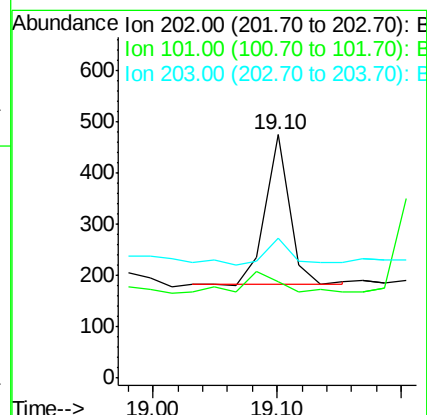
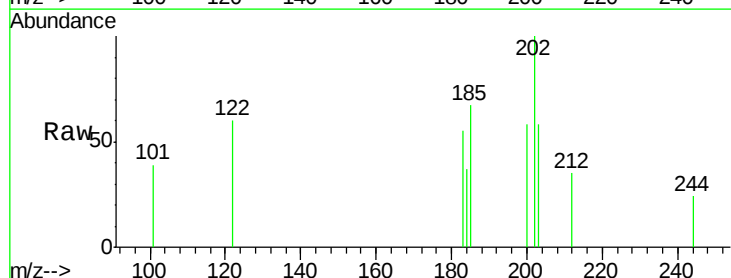
Tgt Ion:202 Resp: 400

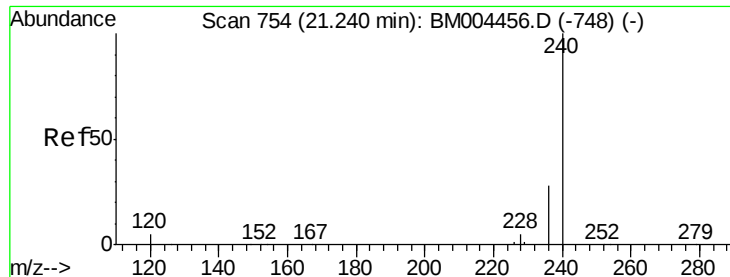
Ion Ratio Lower Upper

202 100

101 24.8 9.4 14.0#

203 18.0 13.9 20.9

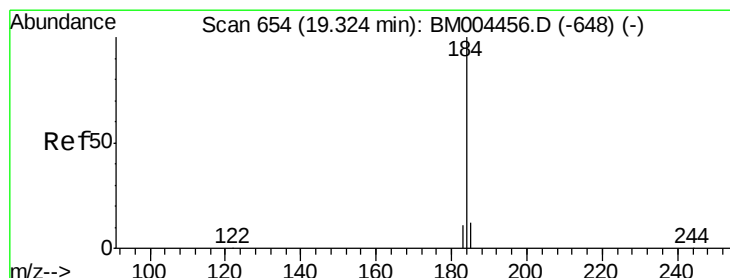
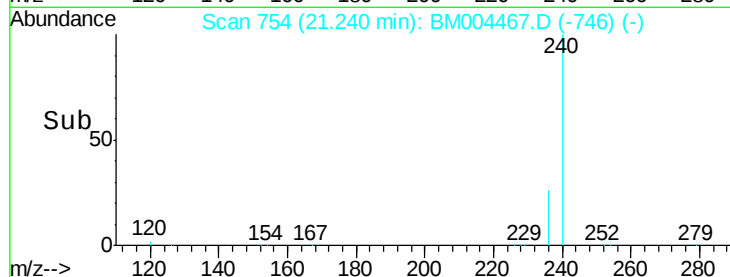
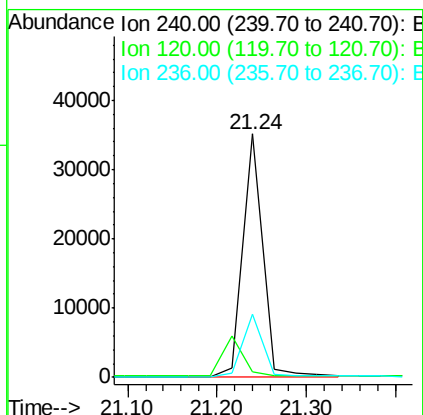
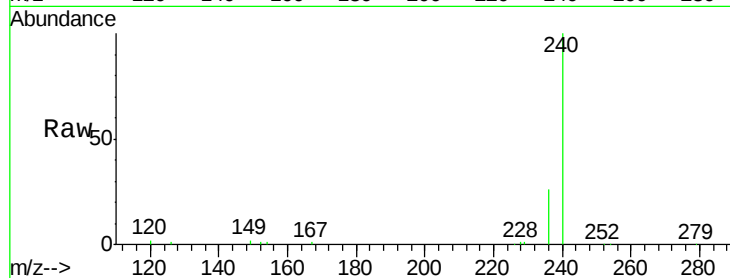




#19
Chrysene-d12
Concen: 5.00 ng
RT: 21.24 min Scan# 754
Delta R.T. -0.00 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

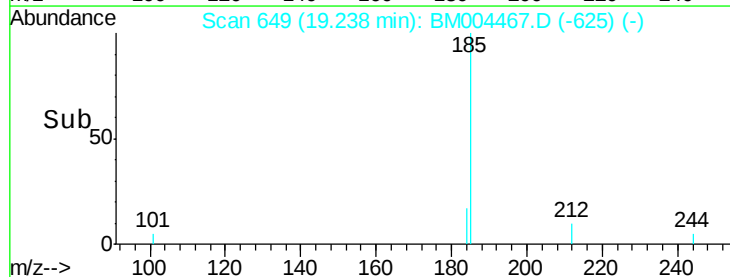
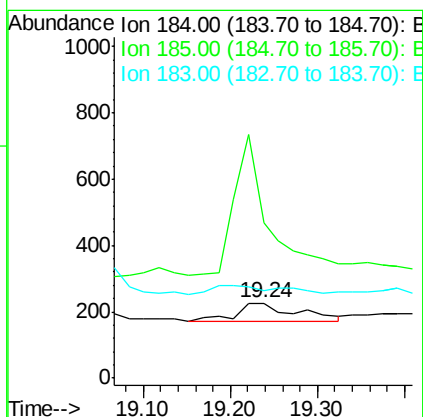
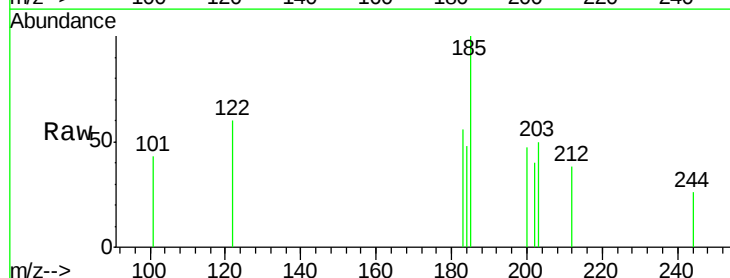
Instrument :
BNA_M
ClientSampleId :
MW-1-FD

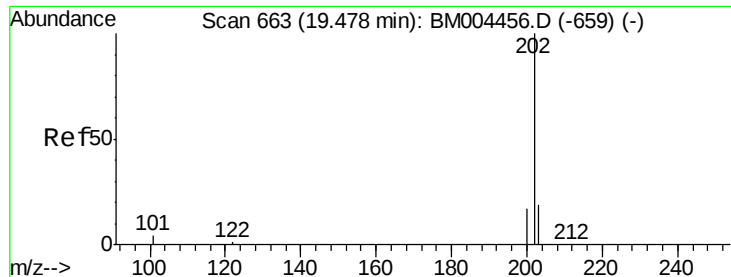
Tot Ion:240 Resp: 54759
Ion Ratio Lower Upper
240 100
120 2.2 4.0 6.0#
236 25.9 22.7 34.1



#20
Benzidine
Concen: 0.46 ng
RT: 19.24 min Scan# 649
Delta R.T. -0.09 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:184 Resp: 246
Ion Ratio Lower Upper
184 100
185 207.0 20.8 31.2#
183 116.7 18.5 27.7#

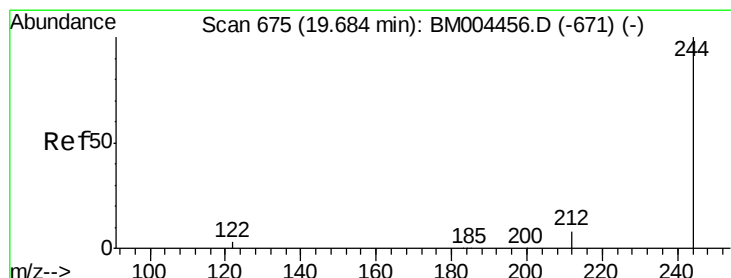
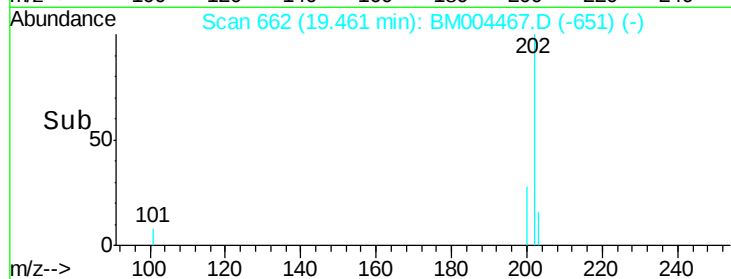
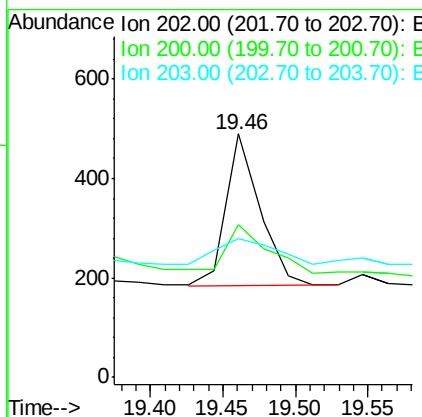
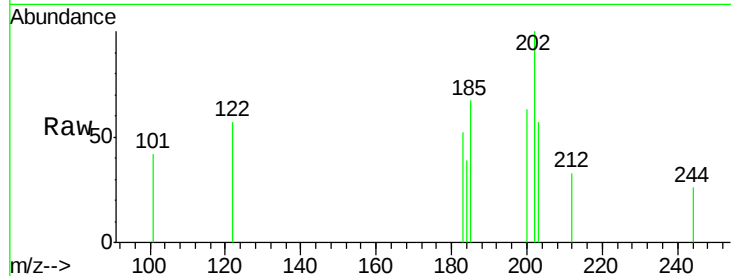




#21
Pvrene
Concen: 0.03 ng
RT: 19.46 min Scan# 662
Delta R.T. -0.02 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

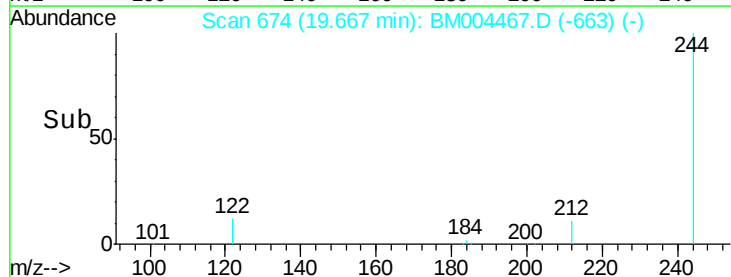
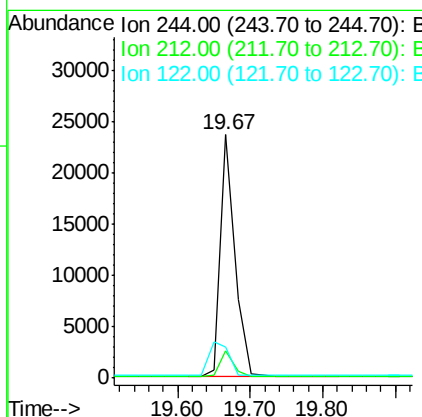
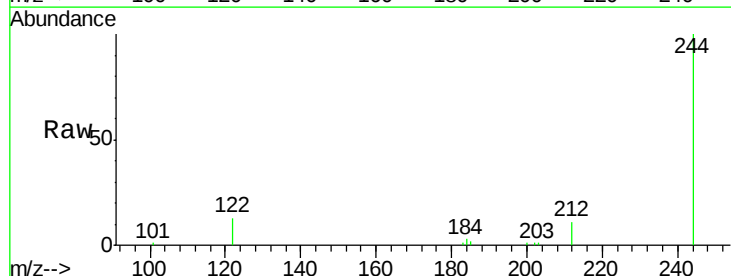
Instrument :
BNA_M
ClientSampleId :
MW-1-FD

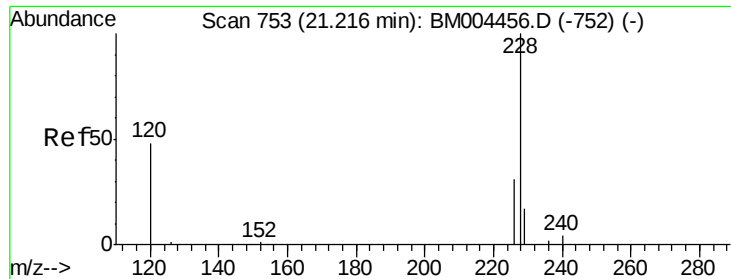
Tot Ion:202 Resp: 500
Ion Ratio Lower Upper
202 100
200 46.0 16.6 24.8#
203 29.2 13.9 20.9#



#22
Terphenyl-d14
Concen: 4.79 ng
RT: 19.67 min Scan# 674
Delta R.T. -0.02 min
Lab File: BM004467.D
Acq: 29 Feb 2016 02:21

Tgt Ion:244 Resp: 33423
Ion Ratio Lower Upper
244 100
212 11.3 7.4 11.2#
122 12.9 4.2 6.2#





#23

Benzo(a)anthracene

Concen: 0.09 ng

RT: 21.26 min Scan# 755

Delta R.T. 0.05 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampled :

MW-1-FD

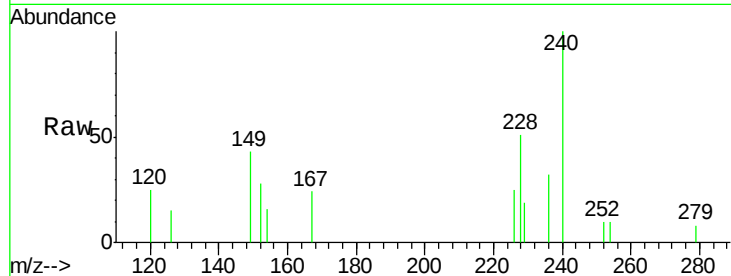
Tot Ion:228 Resp: 1464

Ion Ratio Lower Upper

228 100

226 48.6 25.1 37.7#

229 37.5 14.2 21.4#



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

21.26

600

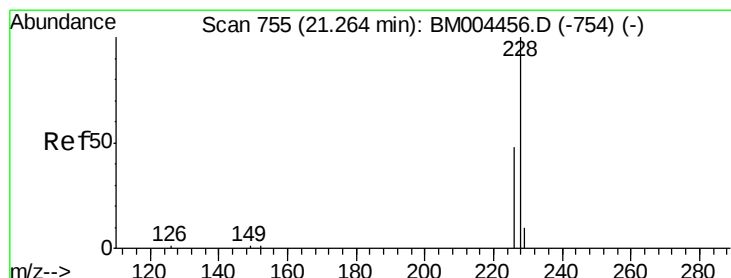
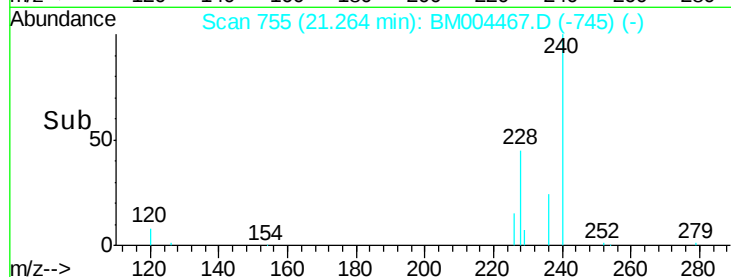
400

200

0

21.00 21.20

Time-->



#25

Chrysene

Concen: Below Cal

RT: 21.26 min Scan# 755

Delta R.T. 0.00 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

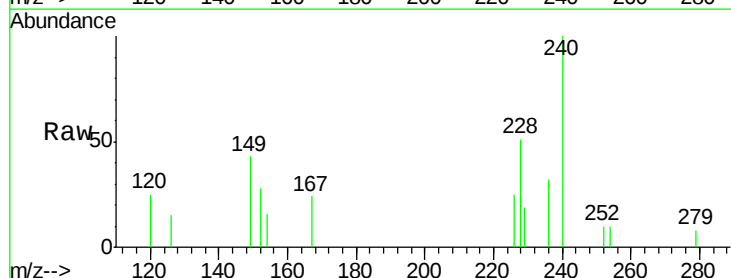
Tgt Ion:228 Resp: 1533

Ion Ratio Lower Upper

228 100

226 48.6 31.0 46.6#

229 37.5 13.4 20.2#



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

21.26

600

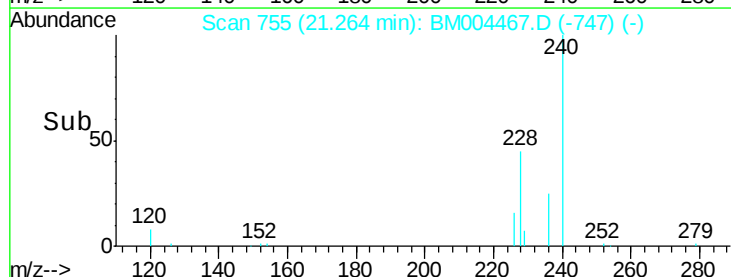
400

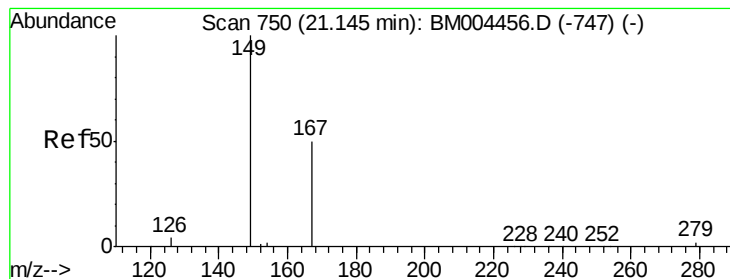
200

0

21.10 21.20 21.30 21.40

Time-->





#26

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.12 min Scan# 749

Delta R.T. -0.02 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

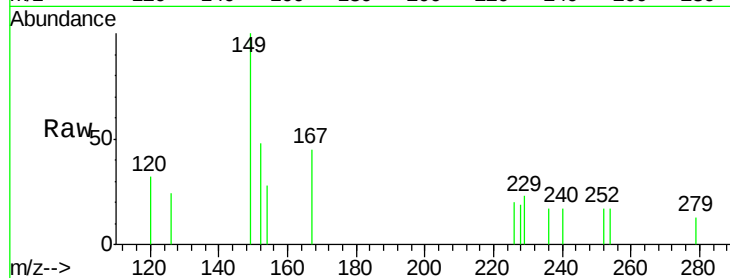
Tot Ion:149 Resp: 553

Ion Ratio Lower Upper

149 100

167 0.0 33.1 49.7#

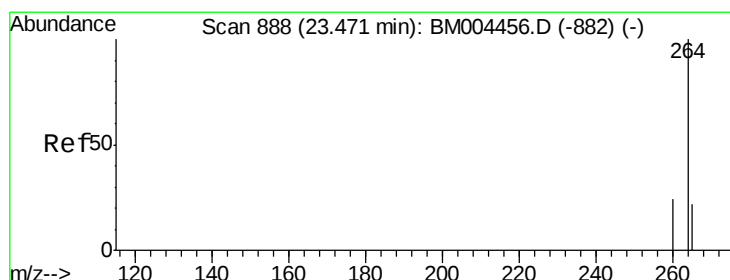
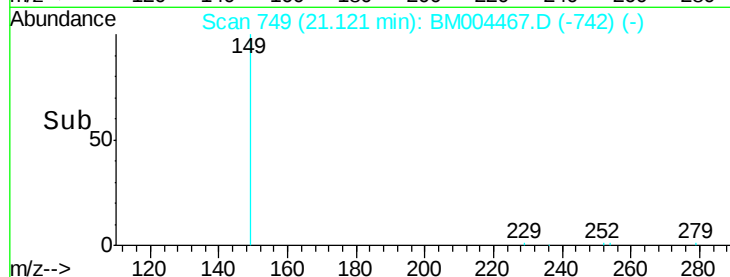
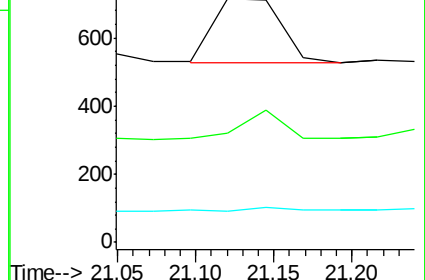
279 0.0 2.0 3.0#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Perylene-d12

Concen: 5.00 ng

RT: 23.46 min Scan# 887

Delta R.T. -0.01 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

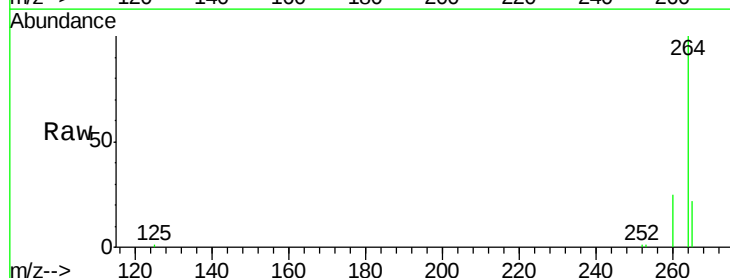
Tgt Ion:264 Resp: 44292

Ion Ratio Lower Upper

264 100

260 25.4 19.4 29.2

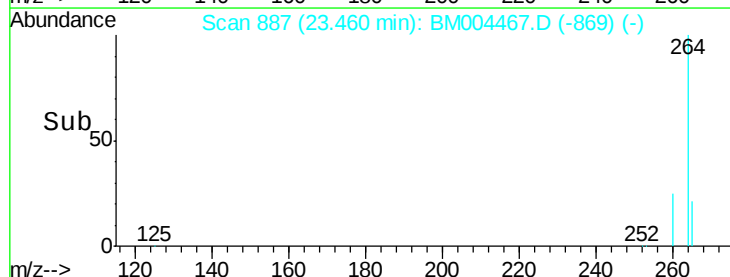
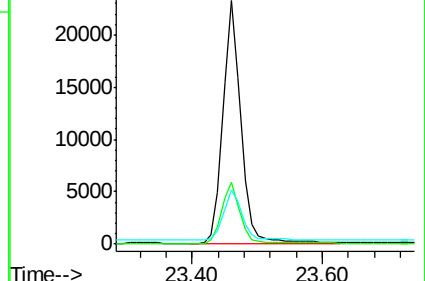
265 22.4 18.9 28.3

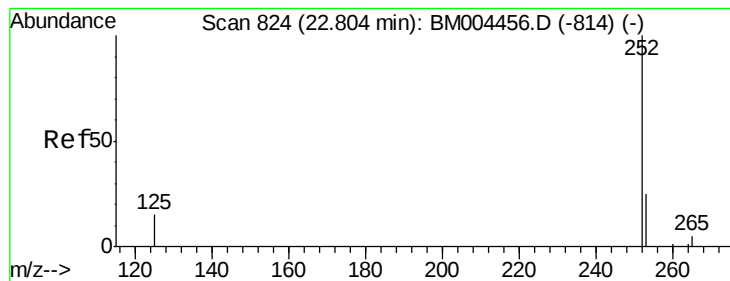


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#29

Benzo(b)fluoranthene

Concen: 0.03 ng

RT: 22.79 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

Instrument :

BNA_M

ClientSampleId :

MW-1-FD

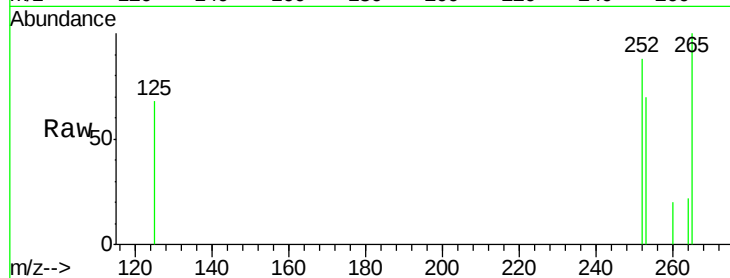
Tot Ion:252 Resp: 556

Ion Ratio Lower Upper

252 100

253 80.4 19.8 29.6#

125 77.9 12.2 18.2#

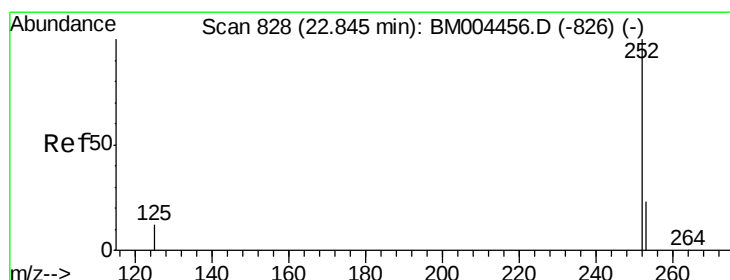
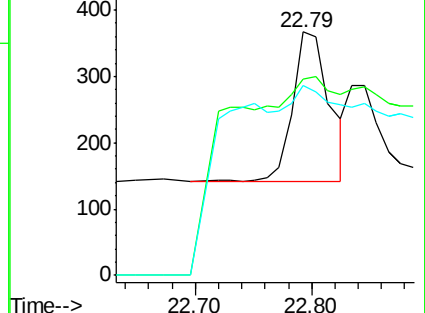
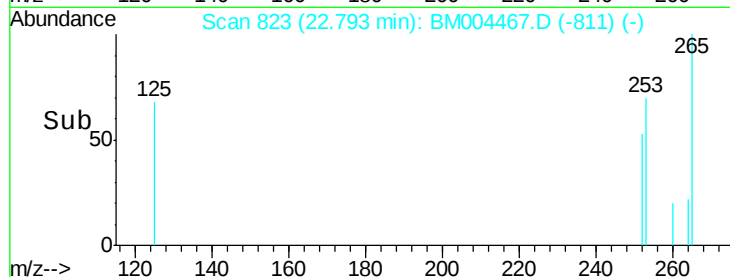


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



#30

Benzo(k)fluoranthene

Concen: 0.02 ng

RT: 22.83 min Scan# 827

Delta R.T. -0.01 min

Lab File: BM004467.D

Acq: 29 Feb 2016 02:21

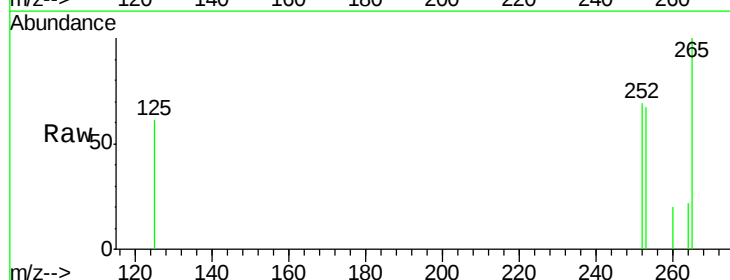
Tgt Ion:252 Resp: 298

Ion Ratio Lower Upper

252 100

253 97.6 19.3 28.9#

125 88.5 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

Time-->

