

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004463.D
 Acq On : 28 Feb 2016 23:57
 Operator : SJ/UM
 Sample : PB88423BL
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PB88423BL

Quant Time: Feb 29 06:32:48 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	13483	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	43865	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	27213	5.00	ng	0.00
15) Phenanthrene-d10	17.03	188	50630	5.00	ng	0.00
19) Chrysene-d12	21.24	240	60048	5.00	ng	0.00
28) Perylene-d12	23.46	264	50027	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	20640	6.96	ng	0.00
5) Phenol-d6	6.80	99	24959	7.42	ng	-0.03
8) Nitrobenzene-d5	8.79	82	9215	3.80	ng	0.00
13) 2,4,6-Tribromophenol	15.78	330	7318	5.33	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	33799	4.07	ng	0.00
22) Terphenyl-d14	19.67	244	28540	3.73	ng	-0.02

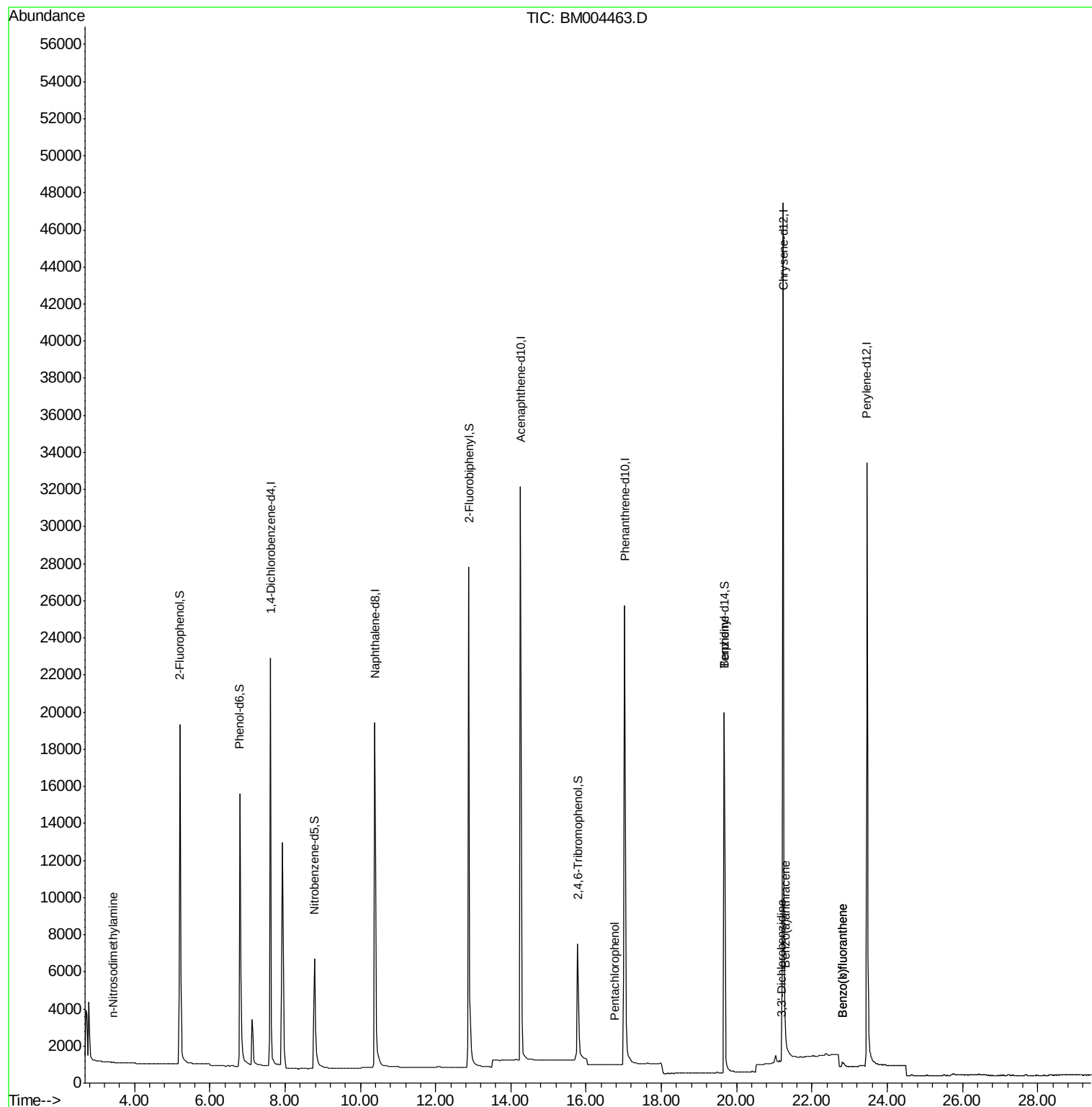
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.43	42	22	0.02	ng	# 79
16) Hexachlorobenzene	16.35	284	2	Below Cal		# 100
17) Pentachlorophenol	16.75	266	13	0.34	ng	# 70
20) Benzidine	19.67	184	642	0.52	ng	# 95
23) Benzo(a)anthracene	21.29	228	1584	0.09	ng	# 86
24) 3,3'-Dichlorobenzidine	21.19	252	166	0.03	ng	# 33
25) Chrysene	21.29	228	1730	Below Cal		# 86
26) Bis(2-ethylhexyl)phthalate	21.14	149	159	Below Cal		# 91
29) Benzo(b)fluoranthene	22.80	252	552	0.03	ng	# 3
30) Benzo(k)fluoranthene	22.80	252	552	0.03	ng	# 2

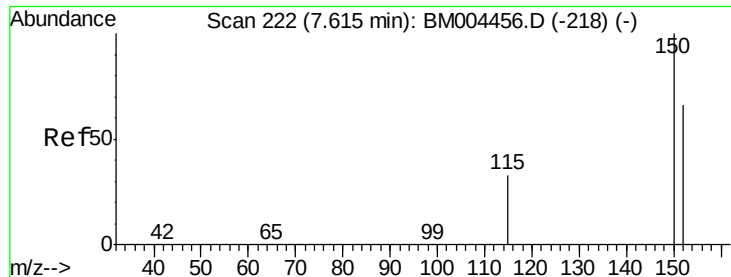
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BM004463.D

Acq: 28 Feb 2016 23:57

Instrument :

BNA_M

ClientSampled :

PB88423BL

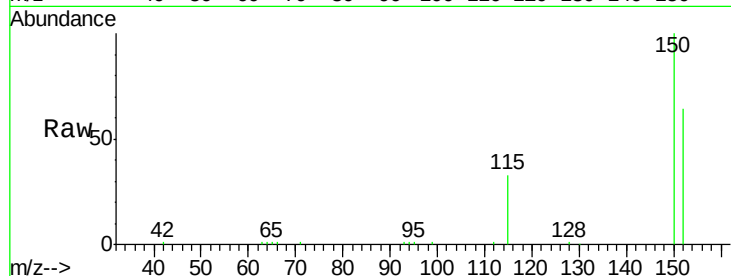
Tot Ion:152 Resp: 13483

Ion Ratio Lower Upper

152 100

150 156.5 123.9 185.9

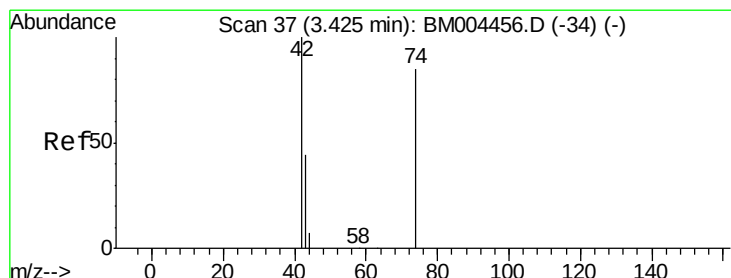
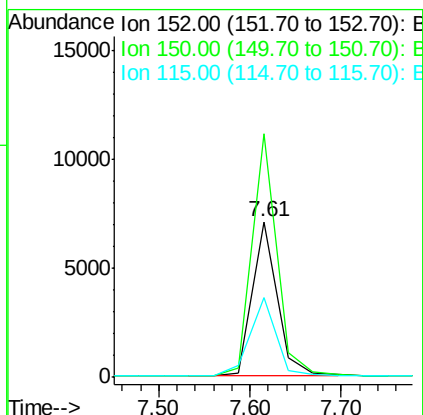
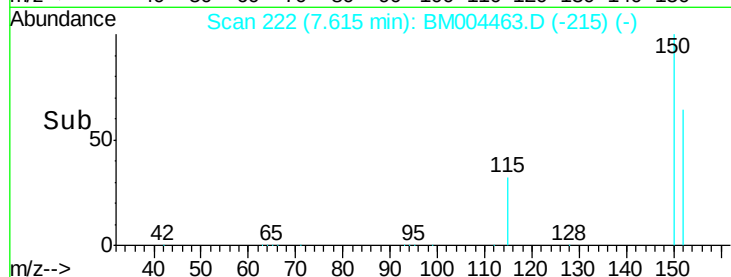
115 51.3 40.6 61.0



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: 0.02 ng

RT: 3.43 min Scan# 37

Delta R.T. 0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

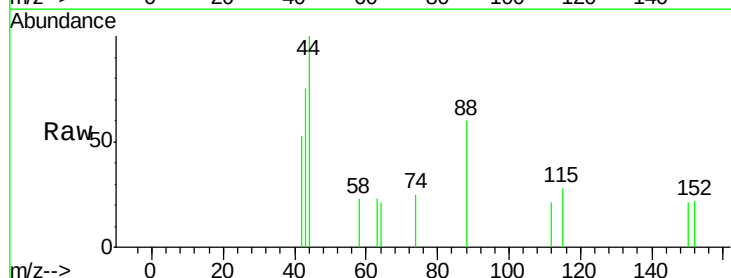
Tgt Ion: 42 Resp: 22

Ion Ratio Lower Upper

42 100

74 0.0 0.0 0.0

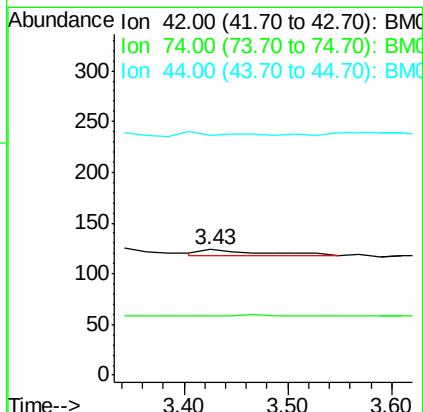
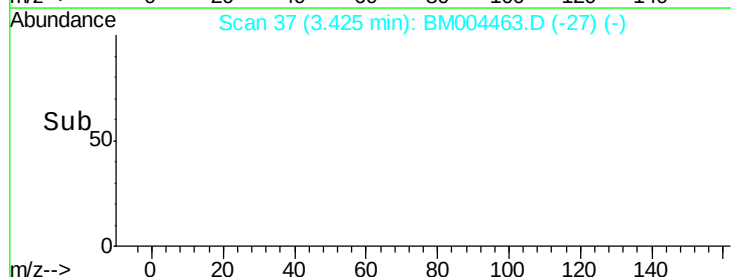
44 0.0 5.8 8.6#

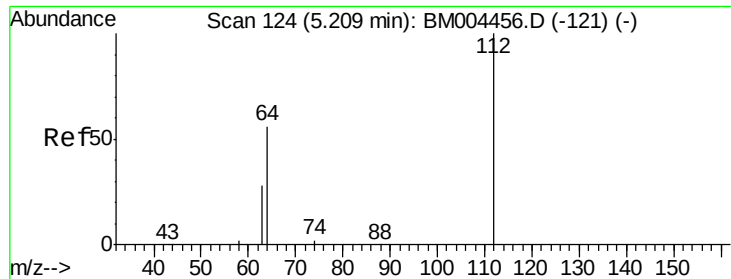


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 6.96 ng

RT: 5.21 min Scan# 124

Delta R.T. 0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

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ClientSampleId :

PB88423BL

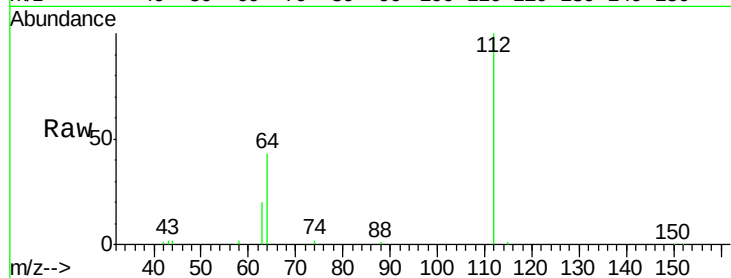
Tot Ion:112 Resp: 20640

Ion Ratio Lower Upper

112 100

64 47.3 39.4 59.2

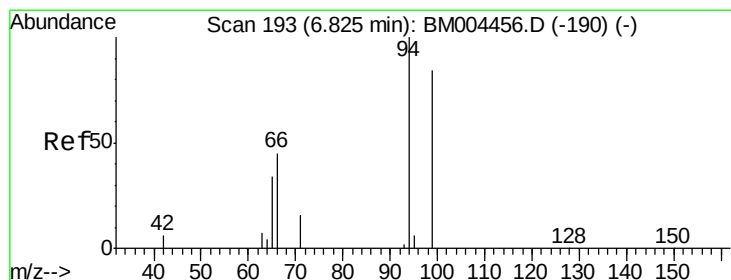
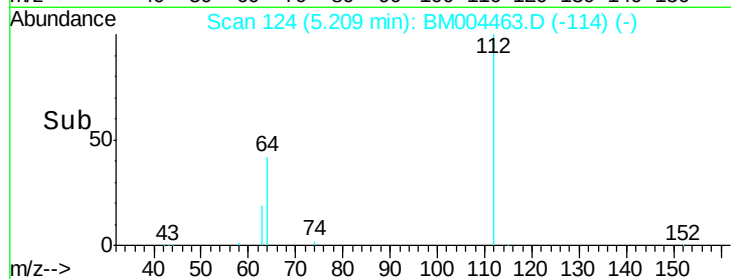
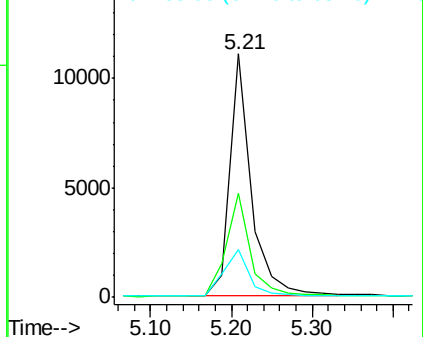
63 23.6 19.9 29.9



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: 7.42 ng

RT: 6.80 min Scan# 192

Delta R.T. -0.03 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

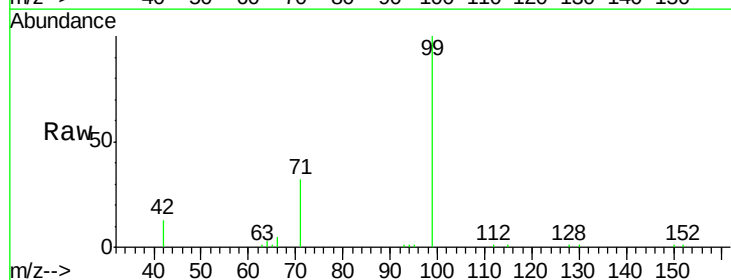
Tgt Ion: 99 Resp: 24959

Ion Ratio Lower Upper

99 100

42 13.2 0.0 0.0#

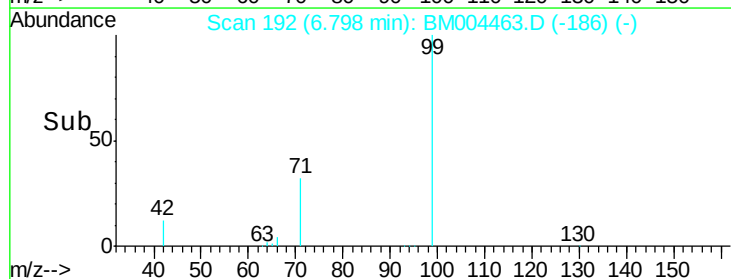
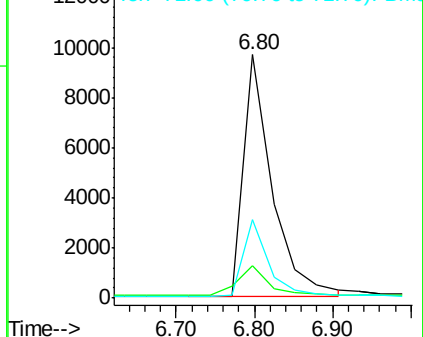
71 28.9 0.0 0.0#

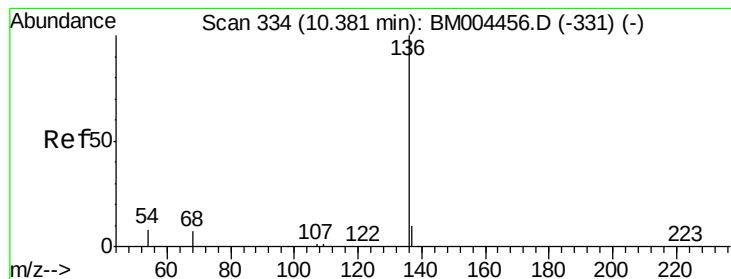


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. 0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

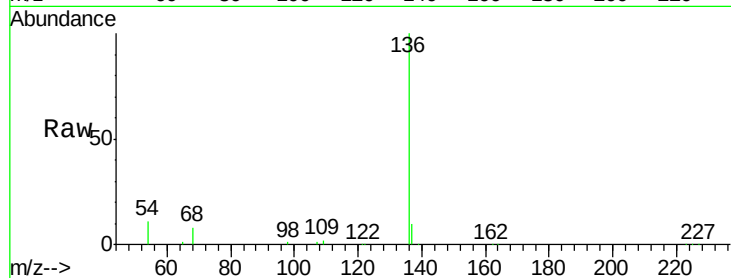
Instrument :

BNA_M

ClientSampleId :

PB88423BL

Tot Ion:136	Resp:	43865
Ion Ratio	Lower	Upper
136	100	
137	9.9	8.0 12.0
54	10.9	7.0 10.6#
68	8.4	5.8 8.6

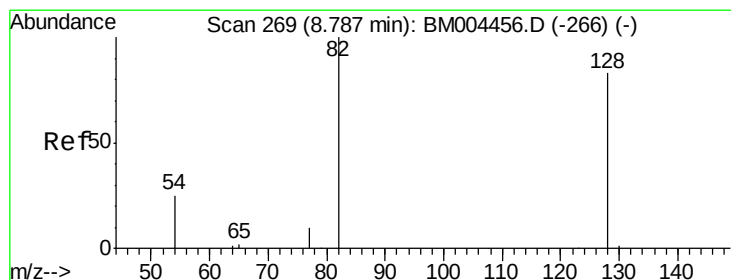
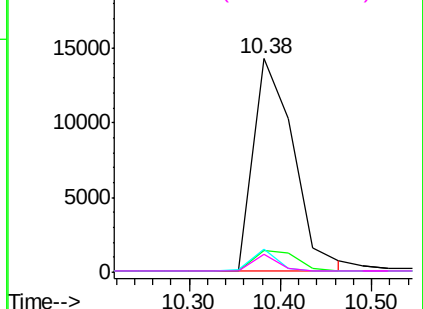
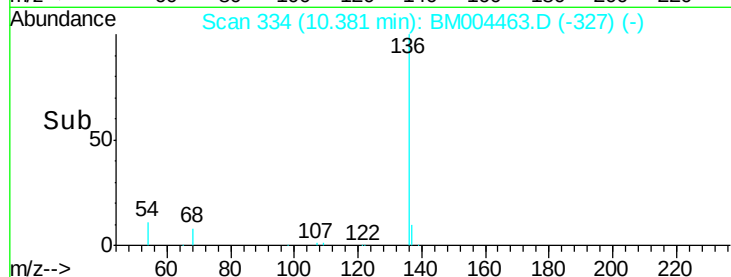


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.80 ng

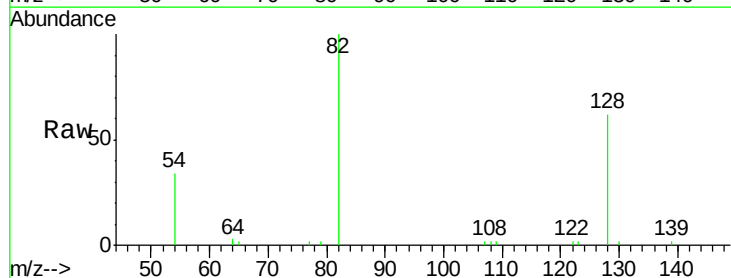
RT: 8.79 min Scan# 269

Delta R.T. 0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

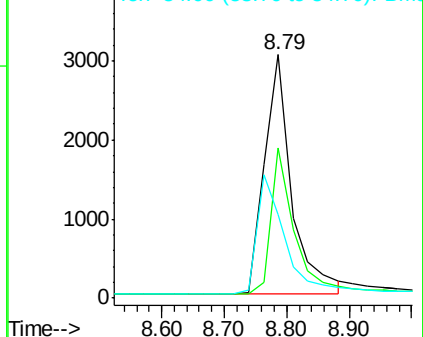
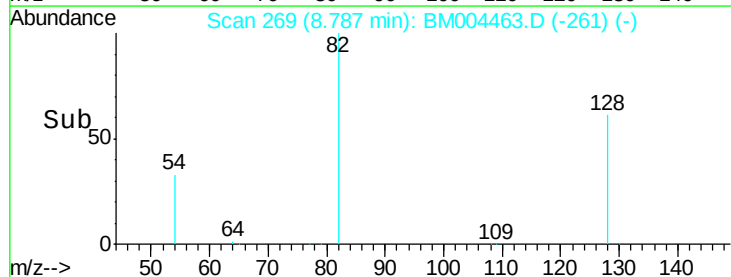
Tgt Ion: 82	Resp:	9215
Ion Ratio	Lower	Upper
82	100	
128	61.8	67.0 100.6#
54	34.3	25.2 37.8

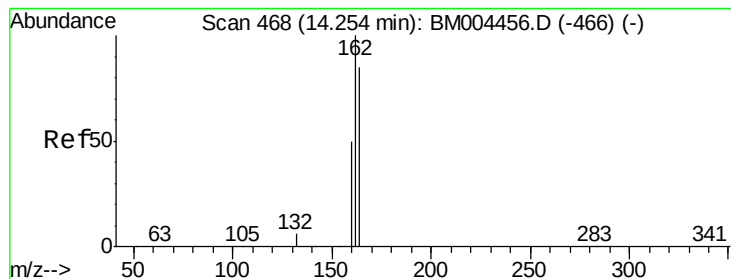


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 468

Delta R.T. -0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

Instrument :

BNA_M

ClientSampleId :

PB88423BL

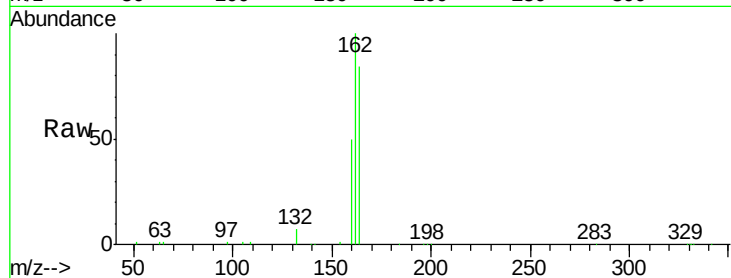
Tot Ion:164 Resp: 27213

Ion Ratio Lower Upper

164 100

162 118.6 94.6 141.8

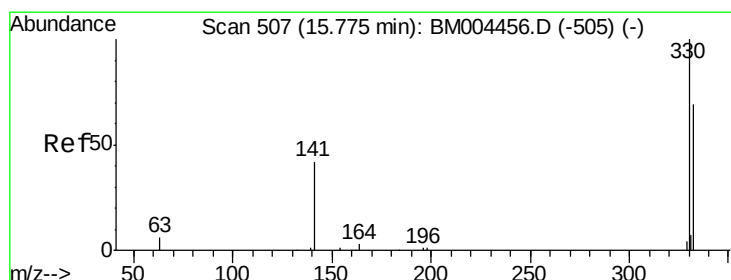
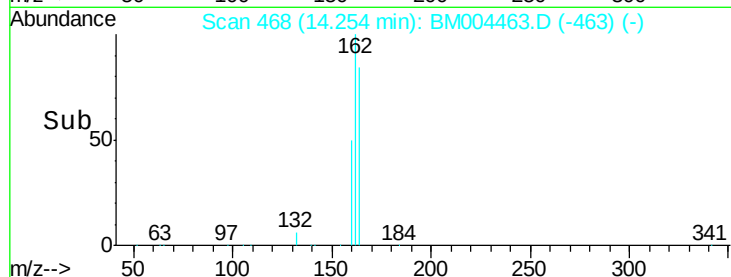
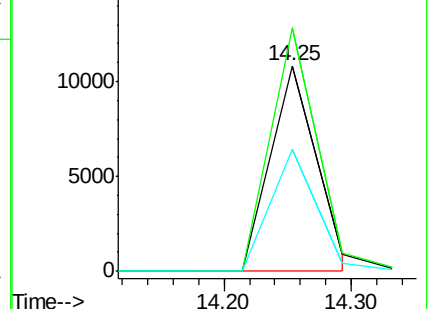
160 59.2 47.0 70.4



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: 5.33 ng

RT: 15.78 min Scan# 507

Delta R.T. 0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

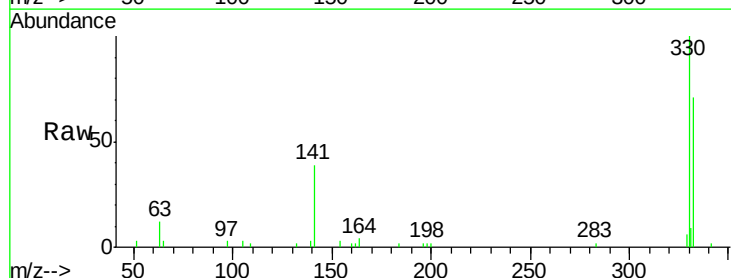
Tgt Ion:330 Resp: 7318

Ion Ratio Lower Upper

330 100

332 77.3 59.2 88.8

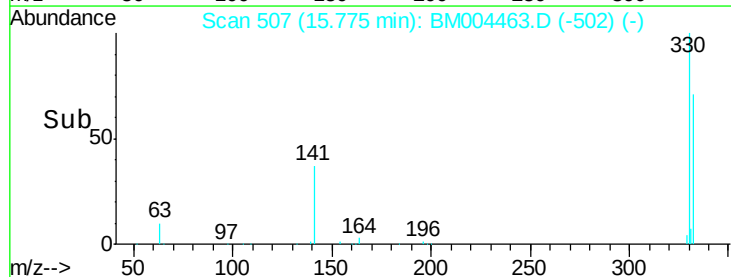
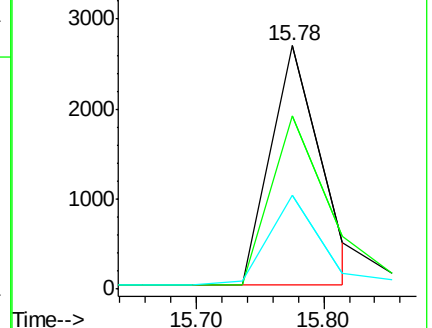
141 36.6 33.0 49.4

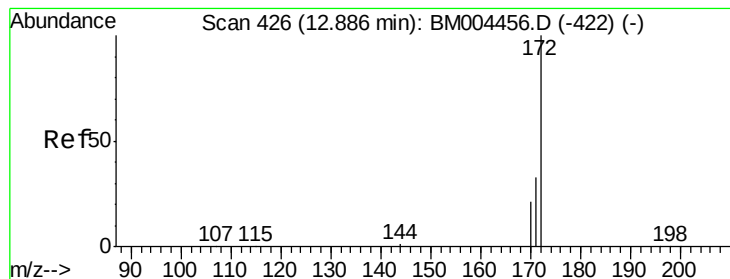


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

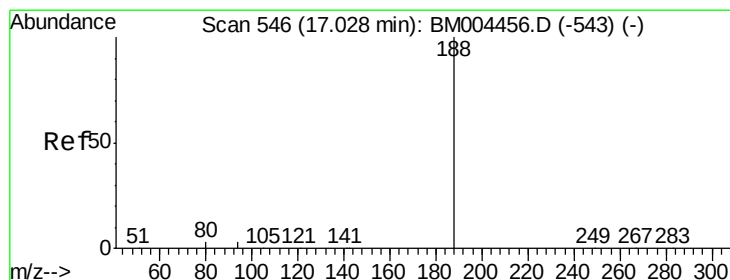
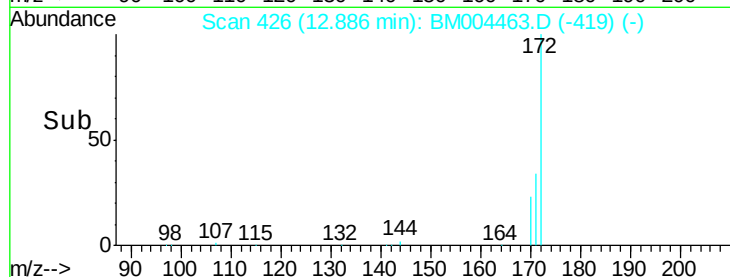
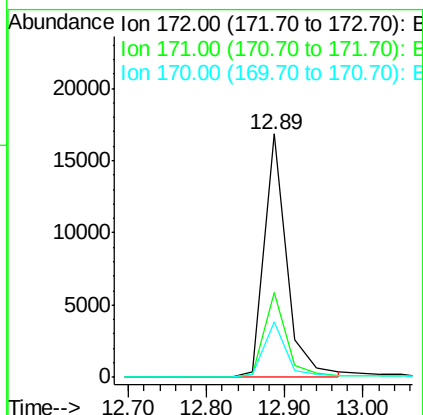
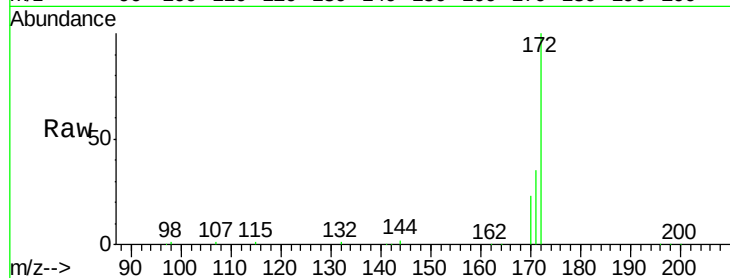




#14
2-Fluorobiphenyl
Concen: 4.07 ng
RT: 12.89 min Scan# 426
Delta R.T. 0.00 min
Lab File: BM004463.D
Acq: 28 Feb 2016 23:57

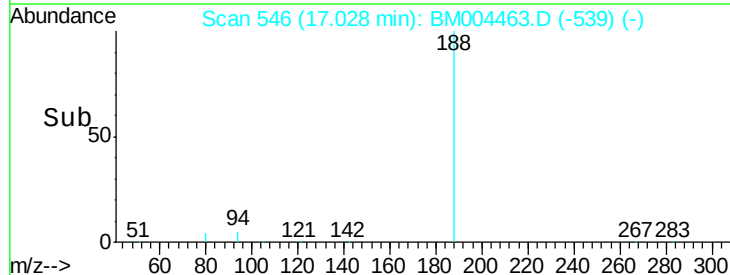
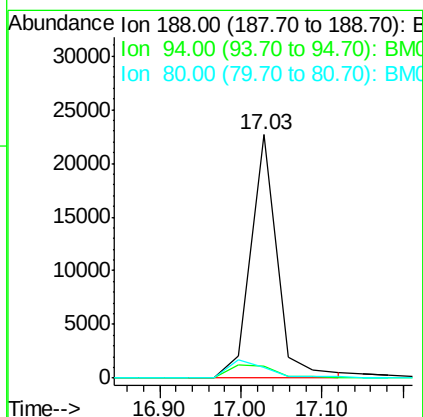
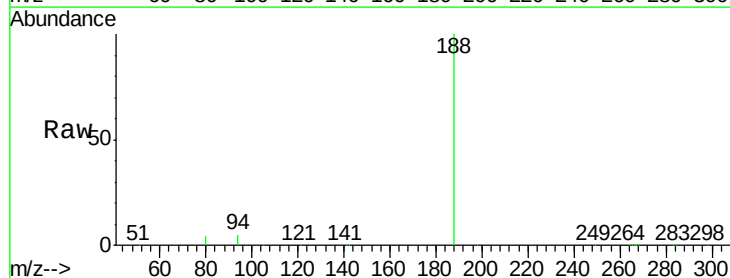
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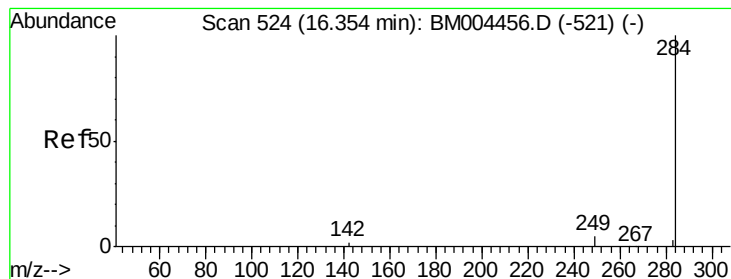
Tot Ion:172 Resp: 33799
Ion Ratio Lower Upper
172 100
171 34.6 27.2 40.8
170 22.8 17.4 26.0



#15
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.03 min Scan# 546
Delta R.T. 0.00 min
Lab File: BM004463.D
Acq: 28 Feb 2016 23:57

Tgt Ion:188 Resp: 50630
Ion Ratio Lower Upper
188 100
94 4.9 2.7 4.1#
80 4.5 2.2 3.4#





#16

Hexachlorobenzene

Concen: Below Cal

RT: 16.35 min Scan# 524

Delta R.T. 0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

Instrument :

BNA_M

ClientSampleId :

PB88423BL

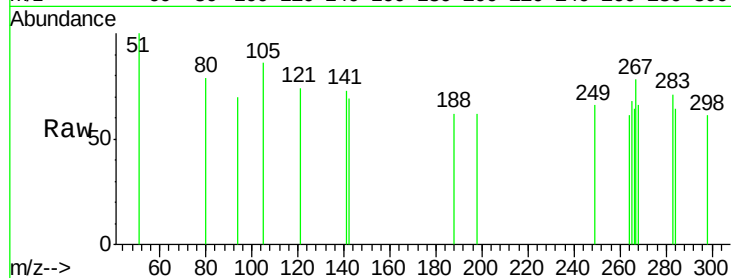
Tot Ion:284 Resp: 2

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

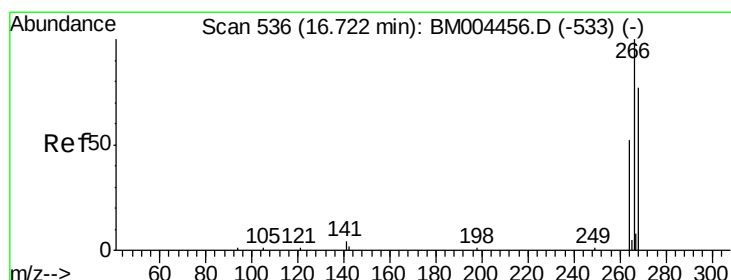
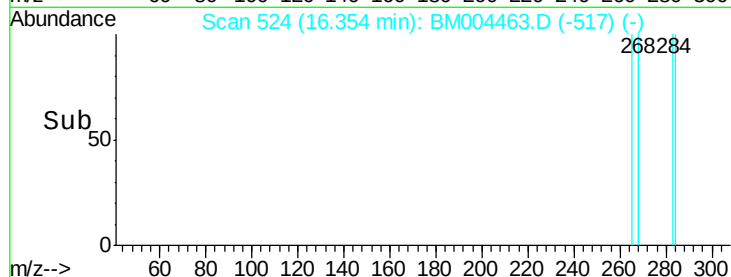
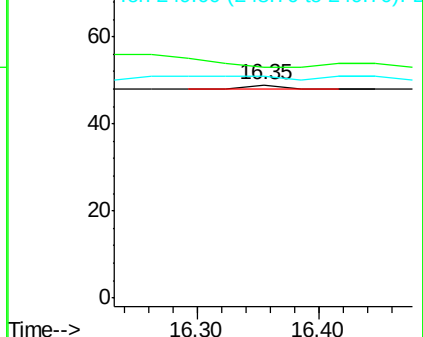
249 0.0 0.0 0.0



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: 0.34 ng

RT: 16.75 min Scan# 537

Delta R.T. 0.03 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

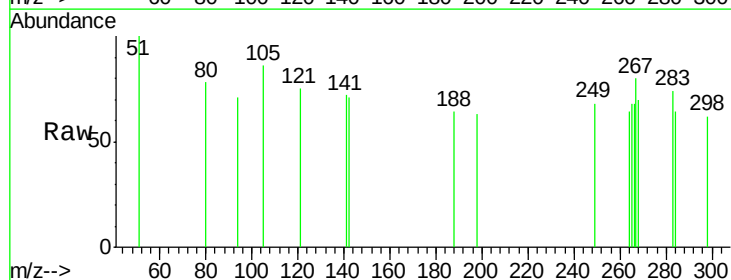
Tgt Ion:266 Resp: 13

Ion Ratio Lower Upper

266 100

268 101.9 66.8 100.2#

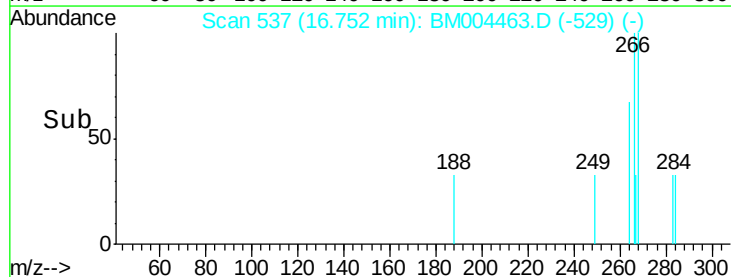
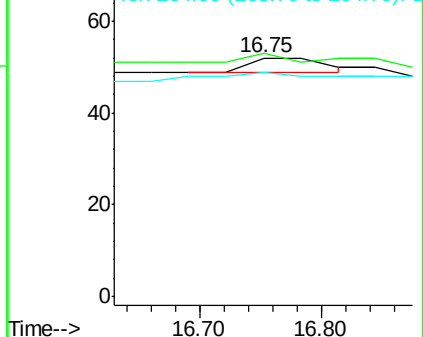
264 94.2 49.4 74.0#

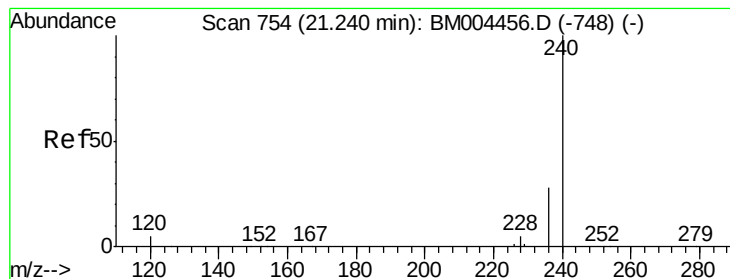


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#19

Chrysene-d12

Concen: 5.00 ng

RT: 21.24 min Scan# 754

Delta R.T. 0.00 min

Lab File: BM004463.D

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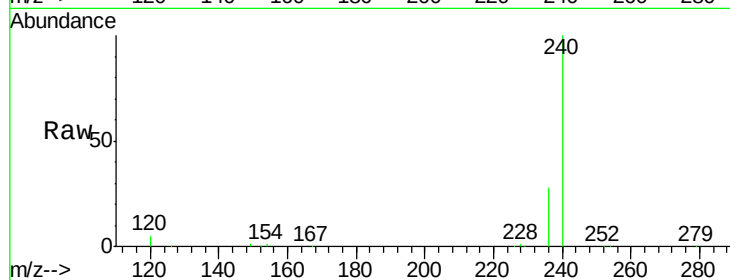
Tot Ion:240 Resp: 60048

Ion Ratio Lower Upper

240 100

120 5.2 4.0 6.0

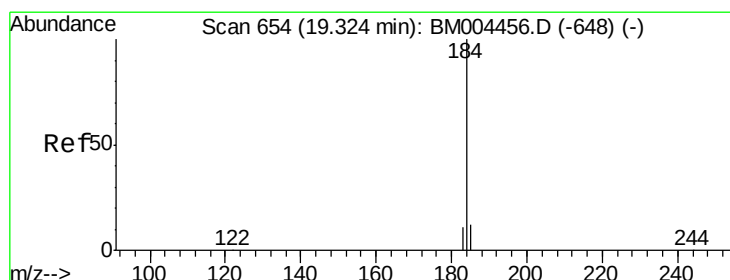
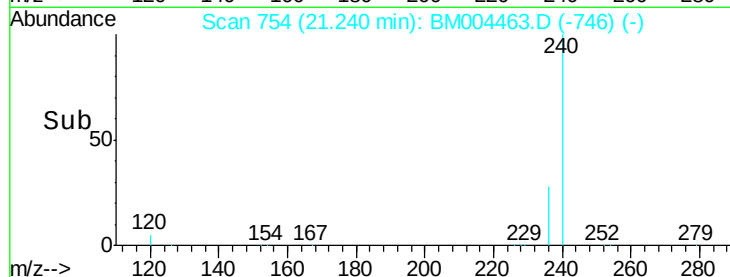
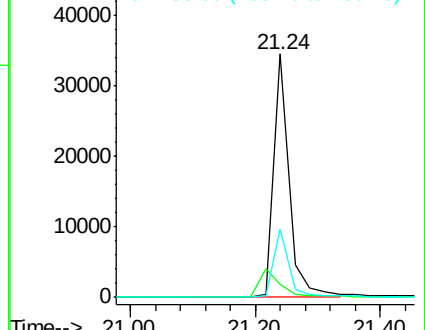
236 28.3 22.7 34.1



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



#20

Benzidine

Concen: 0.52 ng

RT: 19.67 min Scan# 674

Delta R.T. 0.34 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

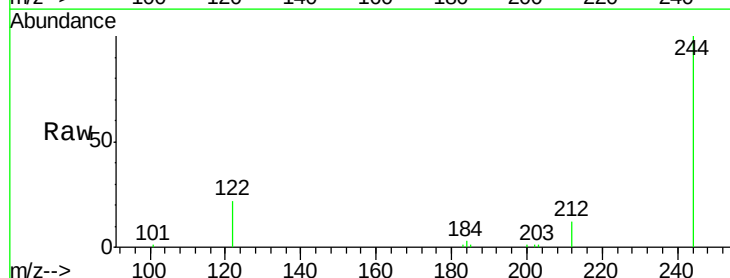
Tgt Ion:184 Resp: 642

Ion Ratio Lower Upper

184 100

185 28.6 20.8 31.2

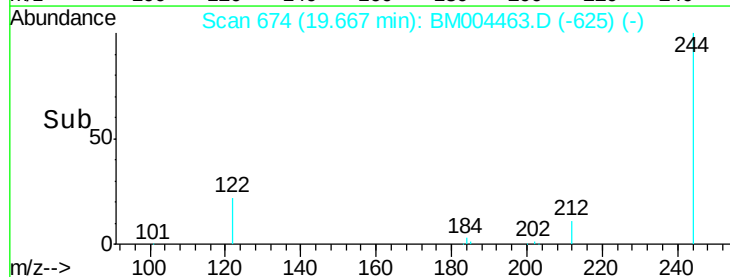
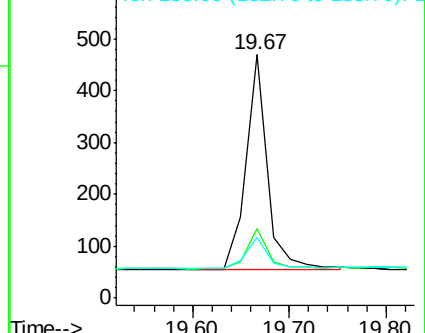
183 25.2 18.5 27.7

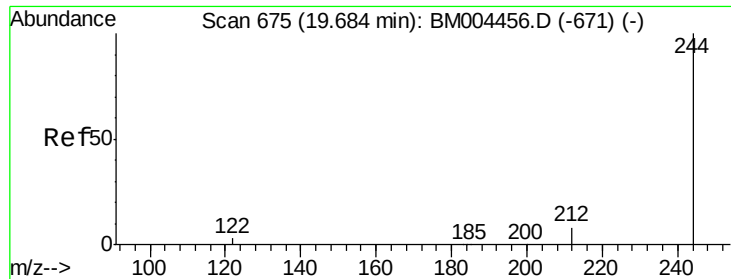


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#22

Terphenyl-d14

Concen: 3.73 ng

RT: 19.67 min Scan# 674

Delta R.T. -0.02 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

Instrument :

BNA_M

ClientSampleId :

PB88423BL

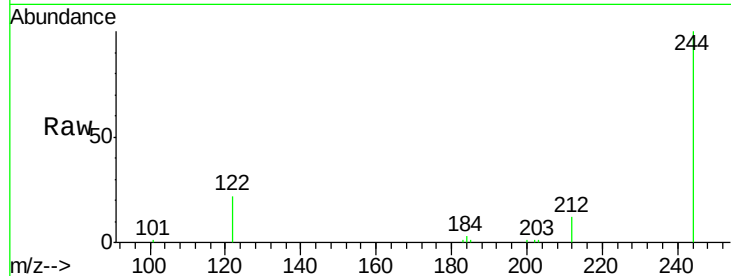
Tot Ion:244 Resp: 28540

Ion Ratio Lower Upper

244 100

212 11.7 7.4 11.2#

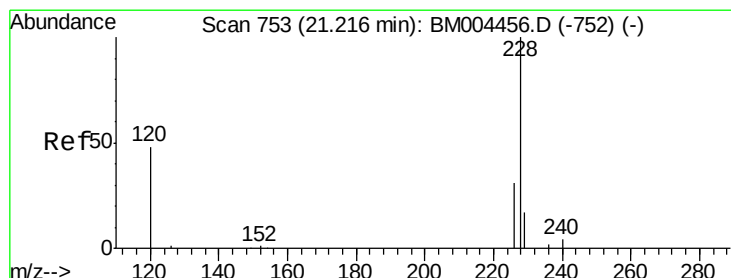
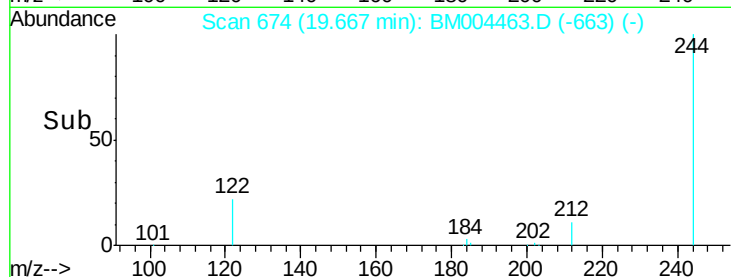
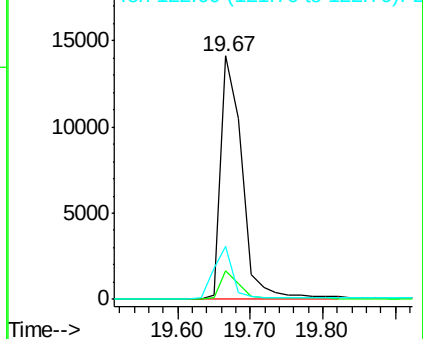
122 21.9 4.2 6.2#



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: 0.09 ng

RT: 21.29 min Scan# 756

Delta R.T. 0.07 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

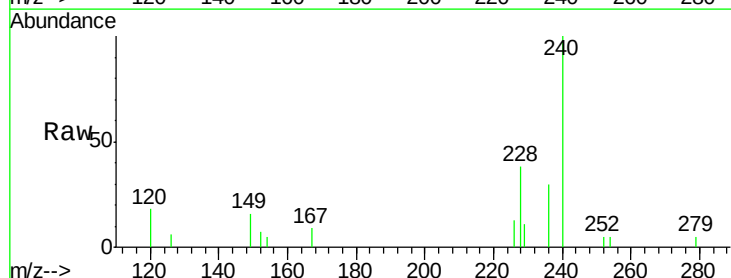
Tgt Ion:228 Resp: 1584

Ion Ratio Lower Upper

228 100

226 35.0 25.1 37.7

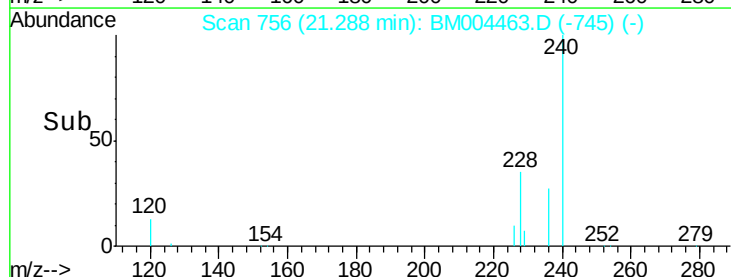
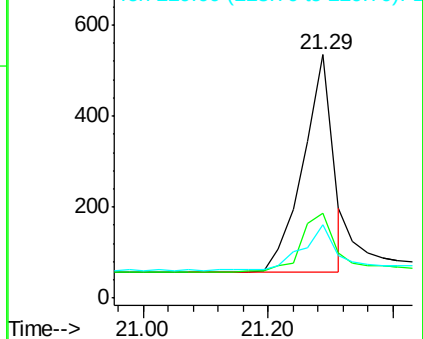
229 30.3 14.2 21.4#

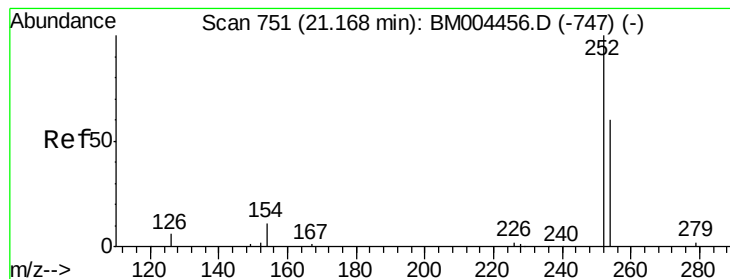


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

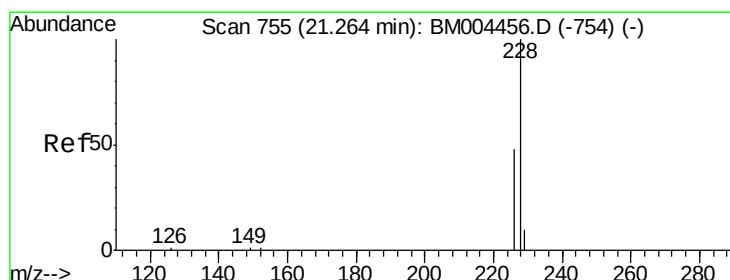
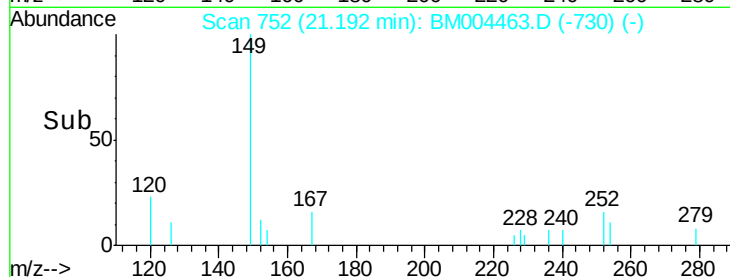
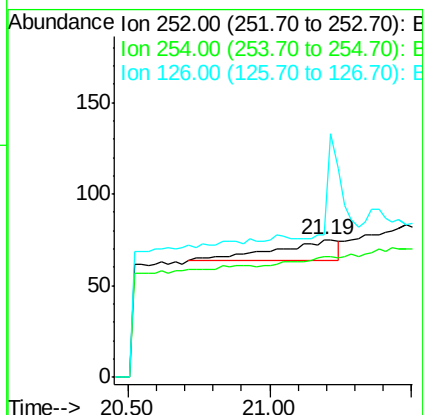
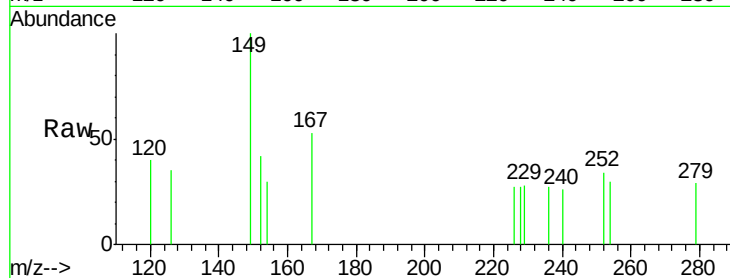




#24
 3,3'-Dichlorobenzidine
 Concen: 0.03 ng
 RT: 21.19 min Scan# 752
 Delta R.T. 0.02 min
 Lab File: BM004463.D
 Acq: 28 Feb 2016 23:57

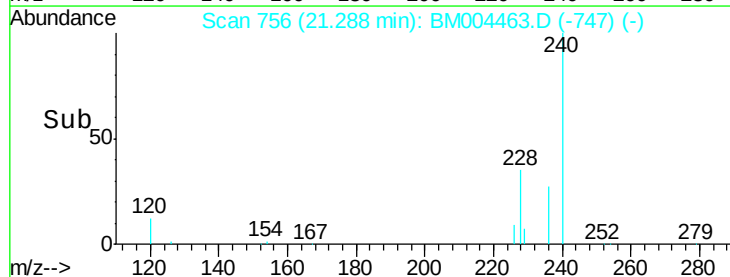
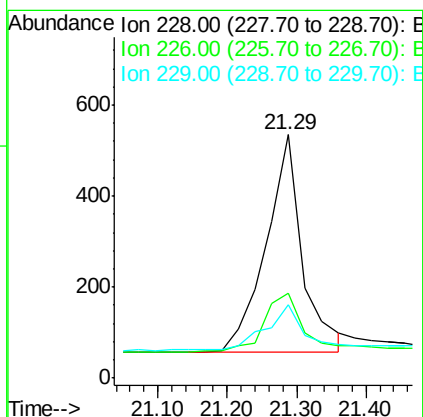
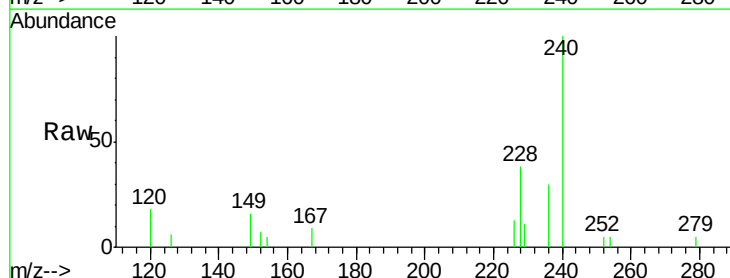
Instrument :
 BNA_M
 ClientSampleId :
 PB88423BL

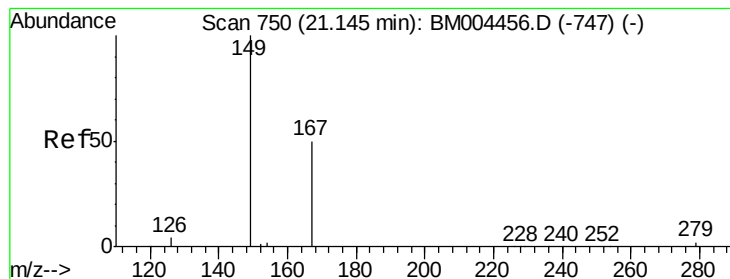
Tot Ion:252 Resp: 166
 Ion Ratio Lower Upper
 252 100
 254 88.0 48.7 73.1#
 126 104.0 8.2 12.2#



#25
 Chrysene
 Concen: Below Cal
 RT: 21.29 min Scan# 756
 Delta R.T. 0.02 min
 Lab File: BM004463.D
 Acq: 28 Feb 2016 23:57

Tgt Ion:228 Resp: 1730
 Ion Ratio Lower Upper
 228 100
 226 35.0 31.0 46.6
 229 30.3 13.4 20.2#





#26

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.14 min Scan# 750

Delta R.T. 0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

Instrument :

BNA_M

ClientSampleId :

PB88423BL

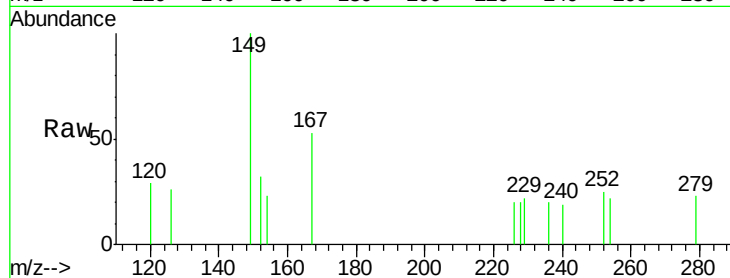
Tot Ion:149 Resp: 159

Ion Ratio Lower Upper

149 100

167 46.5 33.1 49.7

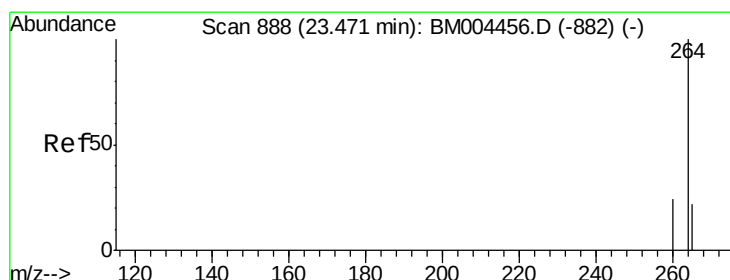
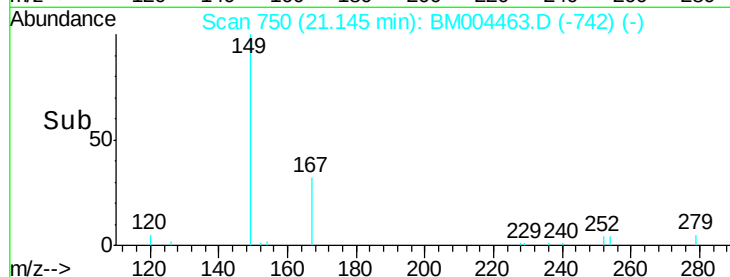
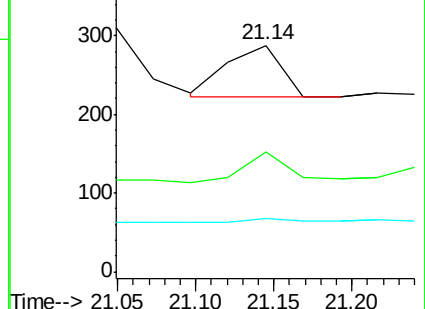
279 11.9 2.0 3.0#



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: BM004463.D

Acq: 28 Feb 2016 23:57

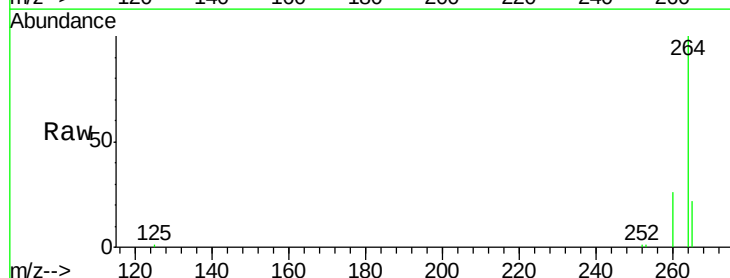
Tgt Ion:264 Resp: 50027

Ion Ratio Lower Upper

264 100

260 26.4 19.4 29.2

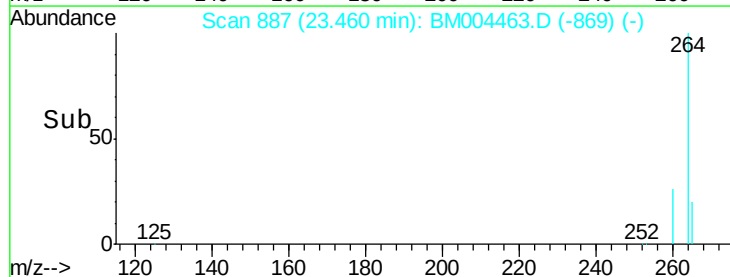
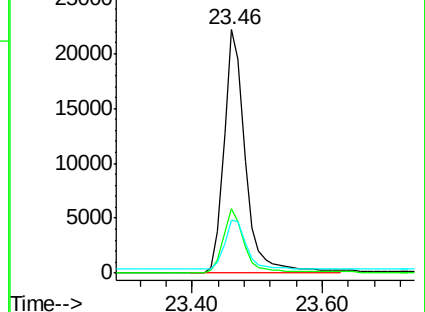
265 21.7 18.9 28.3

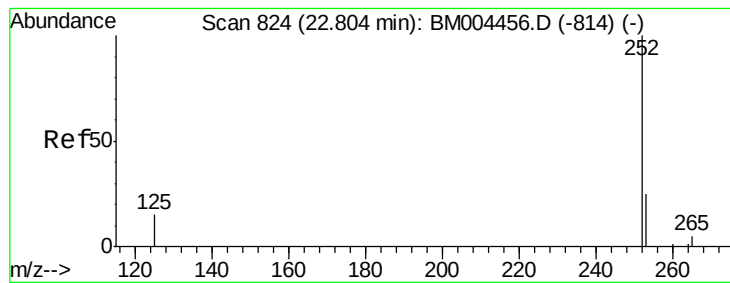


Abundance Ion 264.00 (263.70 to 264.70): E

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: 22.80 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

Instrument :

BNA_M

ClientSampleId :

PB88423BL

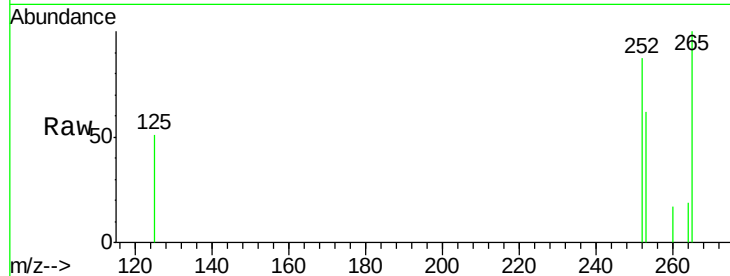
Tot Ion:252 Resp: 552

Ion Ratio Lower Upper

252 100

253 71.6 19.8 29.6#

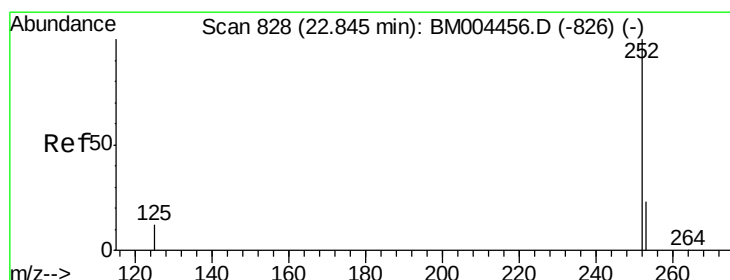
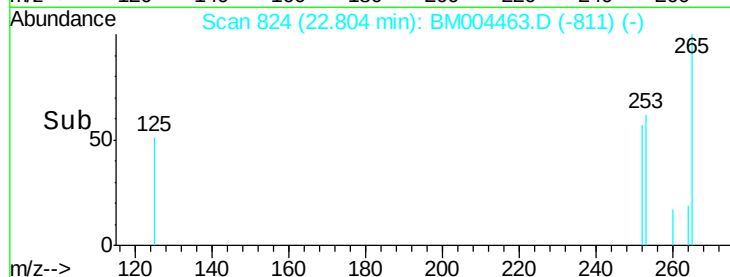
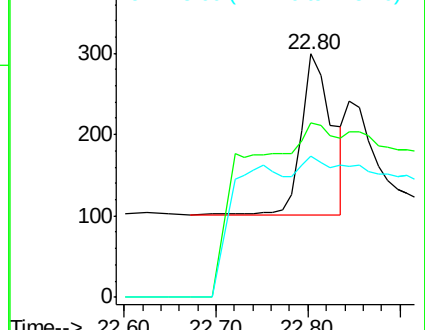
125 58.2 12.2 18.2#



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: 0.03 ng

RT: 22.80 min Scan# 824

Delta R.T. -0.04 min

Lab File: BM004463.D

Acq: 28 Feb 2016 23:57

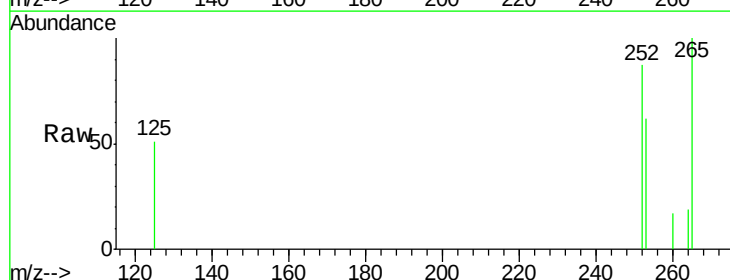
Tgt Ion:252 Resp: 552

Ion Ratio Lower Upper

252 100

253 71.6 19.3 28.9#

125 58.2 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

