

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
 Data File : BM003762.D
 Acq On : 24 Dec 2015 04:04
 Operator : UM/SJ
 Sample : G4793-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 24 06:13:38 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM122415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 24 02:52:28 2015
 Response via : Initial Calibration

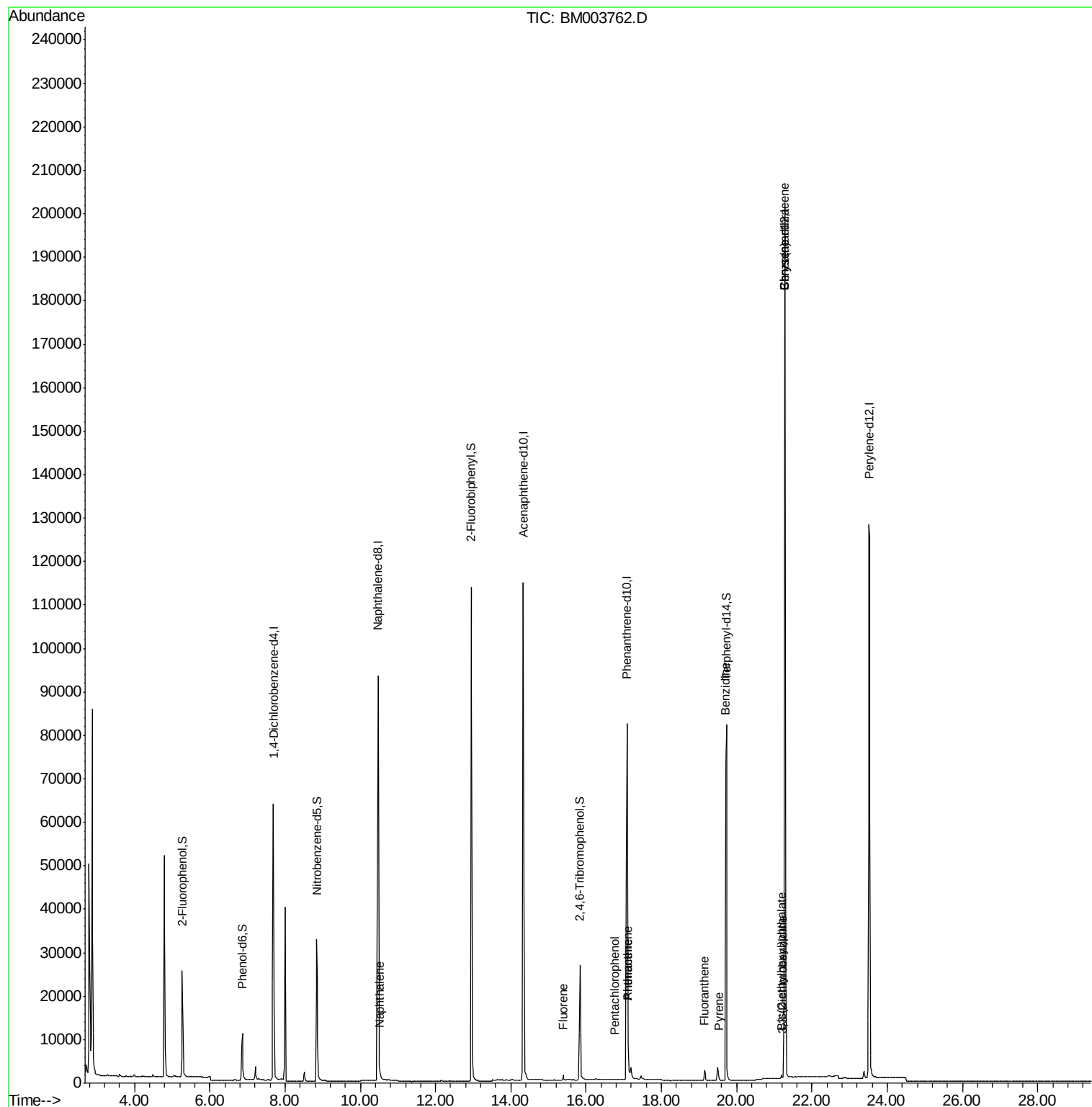
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	34027	5.00	ng	0.00
7) Naphthalene-d8	10.47	136	143464	5.00	ng	0.00
13) Acenaphthene-d10	14.32	164	77751	5.00	ng	0.00
19) Phenanthrene-d10	17.08	188	168081	5.00	ng	0.02
26) Chrysene-d12	21.28	240	209762	5.00	ng	-0.01
35) Perylene-d12	23.51	264	176769	5.00	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.27	112	23835	3.07	ng	0.00
5) Phenol-d6	6.87	99	16532	1.73	ng	0.00
8) Nitrobenzene-d5	8.84	82	32064	4.35	ng	0.00
14) 2,4,6-Tribromophenol	15.83	330	19515	8.92	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	118263	5.22	ng	0.00
29) Terphenyl-d14	19.73	244	127938	3.85	ng	0.00
Target Compounds						
10) Naphthalene	10.52	128	1177	0.04	ng	# 81
18) Fluorene	15.39	166	980	0.04	ng	# 98
20) 4-Bromophenyl-phenylether	16.27	248	11	Below Cal	#	29
21) Hexachlorobenzene	16.39	284	26	Below Cal	#	93
22) Pentachlorophenol	16.75	266	48	0.45	ng	# 67
23) Phenanthrene	17.11	178	7877	0.15	ng	# 98
24) Anthracene	17.11	178	7718	0.20	ng	# 94
25) Fluoranthene	19.14	202	3032	0.06	ng	# 99
27) Benzidine	19.71	184	3046	0.62	ng	# 92
28) Pyrene	19.52	202	1789	0.03	ng	# 95
30) Benzo(a)anthracene	21.28	228	1545	0.02	ng	# 83
31) 3,3'-Dichlorobenzidine	21.21	252	49	0.30	ng	# 53
32) Chrysene	21.28	228	1555	0.03	ng	# 70
33) Bis(2-ethylhexyl)phthalate	21.19	149	1329	0.26	ng	# 99

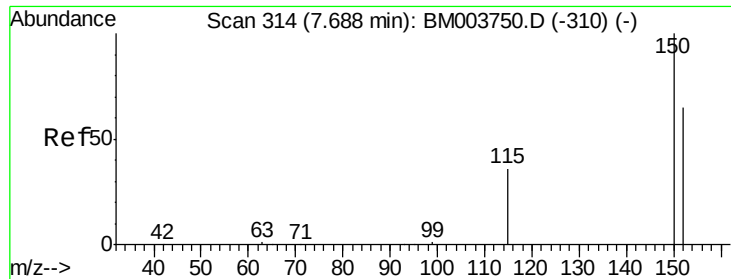
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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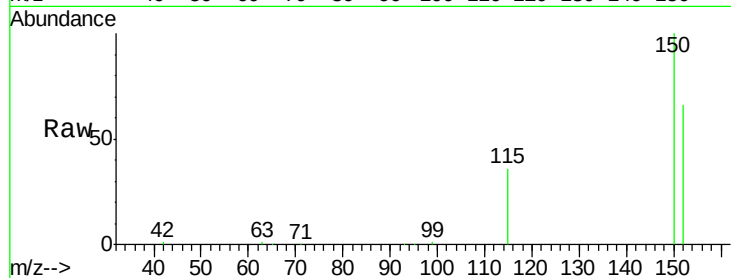


#1

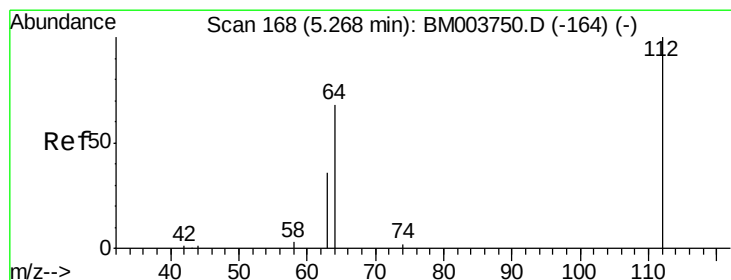
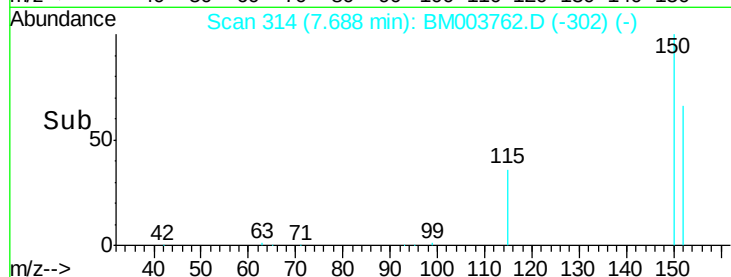
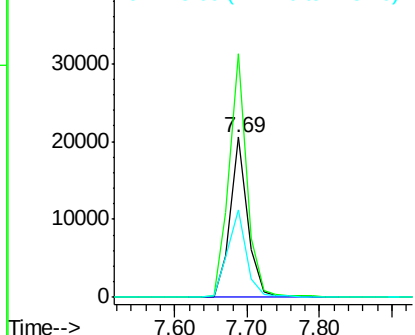
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 34027
Ion Ratio Lower Upper
152 100
150 152.0 122.9 184.3
115 54.9 44.4 66.6



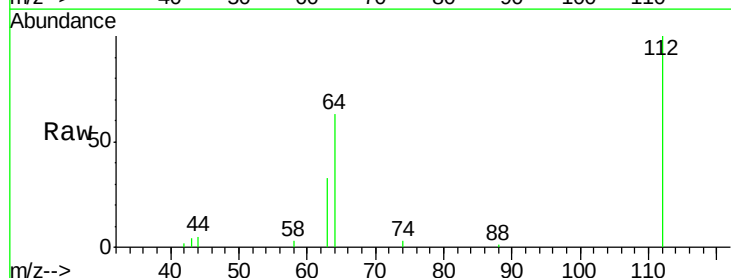
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



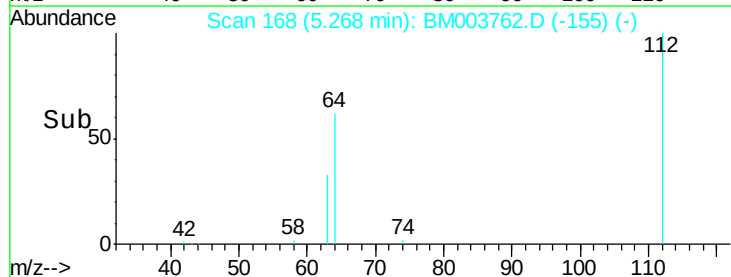
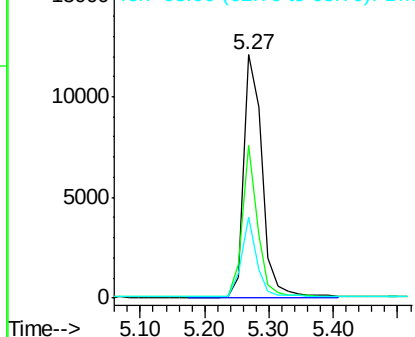
#4

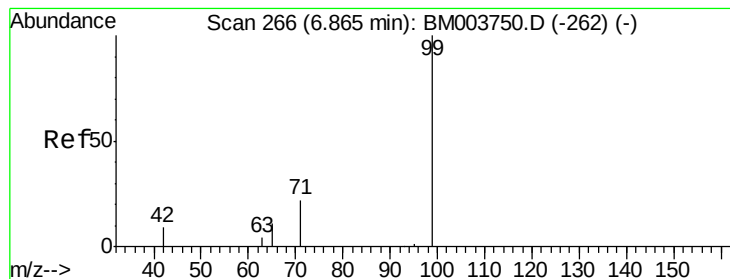
2-Fluorophenol
Concen: 3.07 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

Tgt Ion:112 Resp: 23835
Ion Ratio Lower Upper
112 100
64 52.2 41.8 62.8
63 27.9 22.1 33.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#5

Phenol-d6

Concen: 1.73 ng

RT: 6.87 min Scan# 266

Delta R.T. 0.00 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

Instrument :

BNA_M

ClientSampleId :

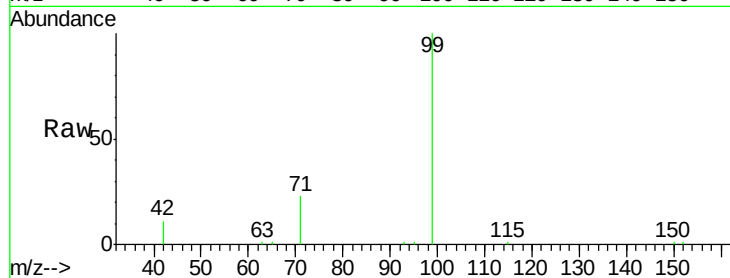
Tot Ion: 99 Resp: 16532

Ion Ratio Lower Upper

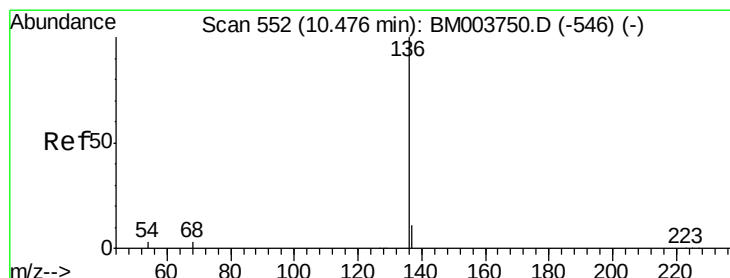
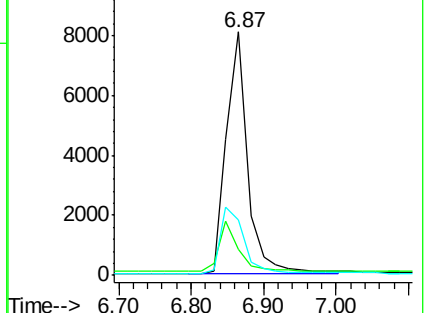
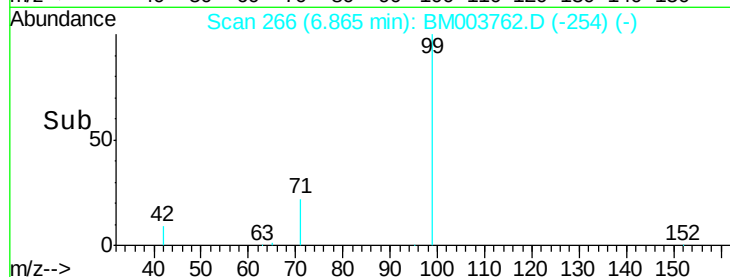
99 100

42 18.3 16.2 24.2

71 30.7 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003762.D (-254) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.47 min Scan# 551

Delta R.T. -0.00 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

Tgt Ion: 136 Resp: 143464

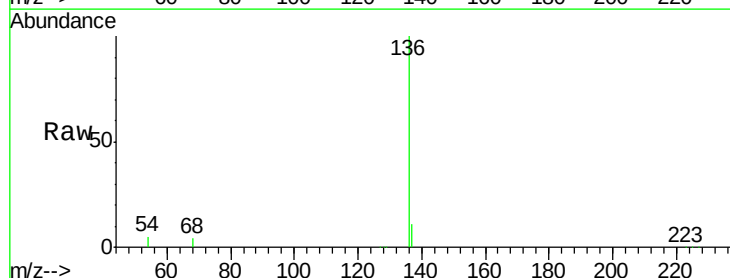
Ion Ratio Lower Upper

136 100

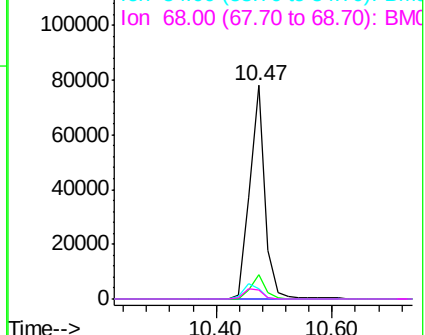
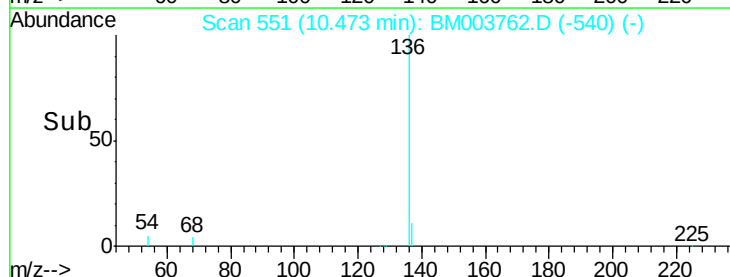
137 11.1 9.2 13.8

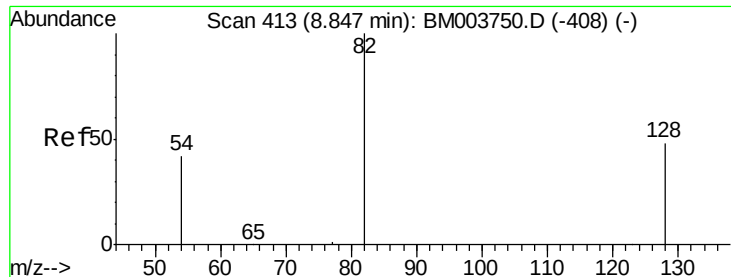
54 4.7 2.8 4.2#

68 3.9 2.5 3.7#



Abundance Ion 136.00 (135.70 to 136.70): BM003762.D (-540) (-)





#8

Nitrobenzene-d5

Concen: 4.35 ng

RT: 8.84 min Scan# 412

Delta R.T. -0.00 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

Instrument :

BNA_M

ClientSampled :

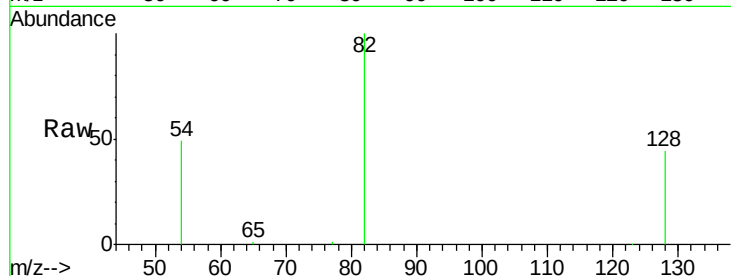
Tot Ion: 82 Resp: 32064

Ion Ratio Lower Upper

82 100

128 43.9 39.1 58.7

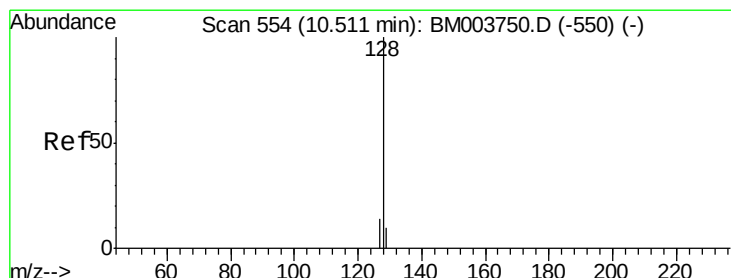
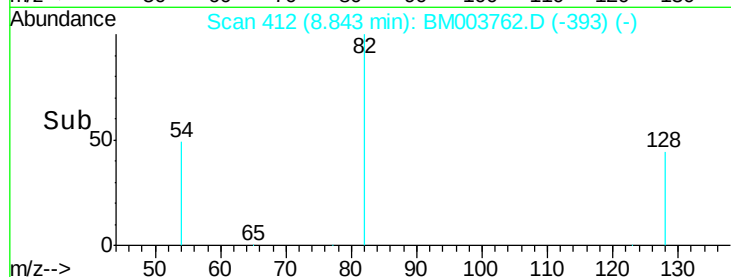
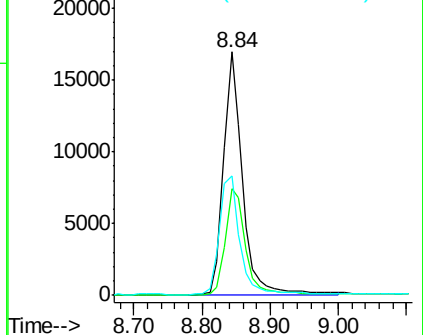
54 49.2 34.8 52.2



Abundance Ion 82.00 (81.70 to 82.70): BM003750.D (-408) (-)

Ion 128.00 (127.70 to 128.70): BM003750.D (-408) (-)

Ion 54.00 (53.70 to 54.70): BM003750.D (-408) (-)



#10

Naphthalene

Concen: 0.04 ng

RT: 10.52 min Scan# 554

Delta R.T. 0.01 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

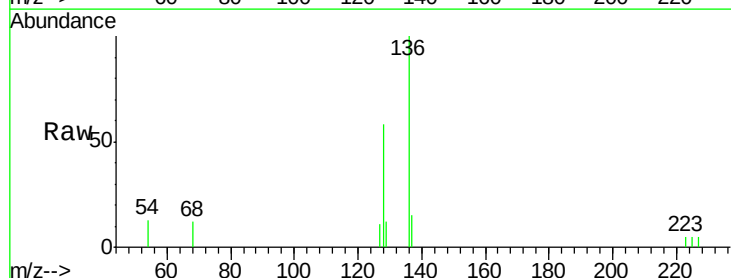
Tgt Ion: 128 Resp: 1177

Ion Ratio Lower Upper

128 100

129 20.1 8.5 12.7#

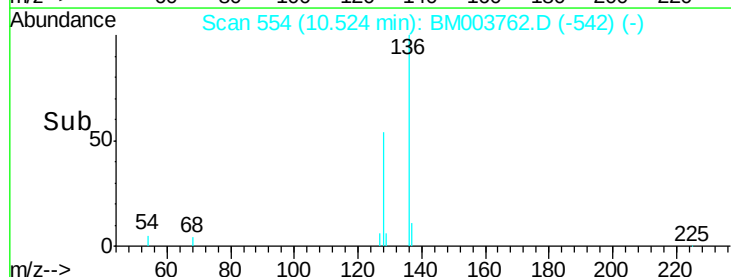
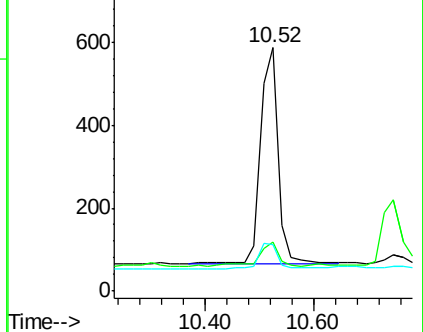
127 19.2 11.0 16.4#

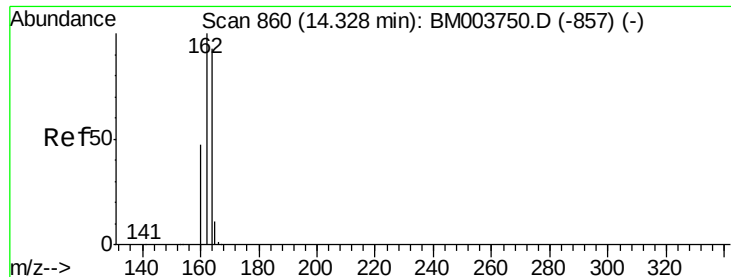


Abundance Ion 128.00 (127.70 to 128.70): BM003750.D (-550) (-)

Ion 129.00 (128.70 to 129.70): BM003750.D (-550) (-)

Ion 127.00 (126.70 to 127.70): BM003750.D (-550) (-)





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.32 min Scan# 859

Delta R.T. -0.00 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

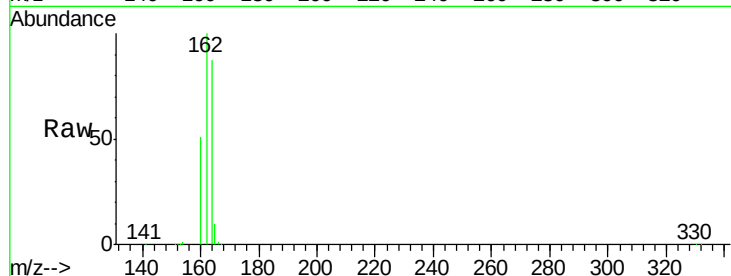
Instrument :

BNA_M

ClientSampleId :

Tot Ion:164 Resp: 77751

Ion	Ratio	Lower	Upper
164	100		
162	115.0	86.0	129.0
160	58.8	40.3	60.5

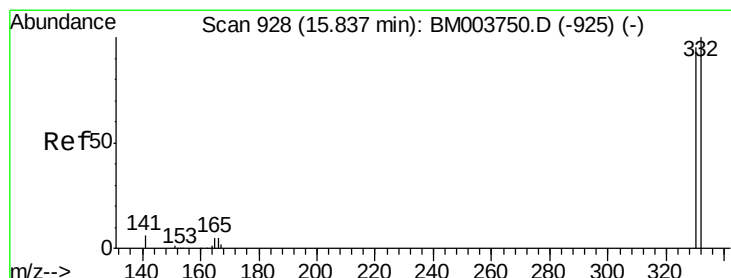
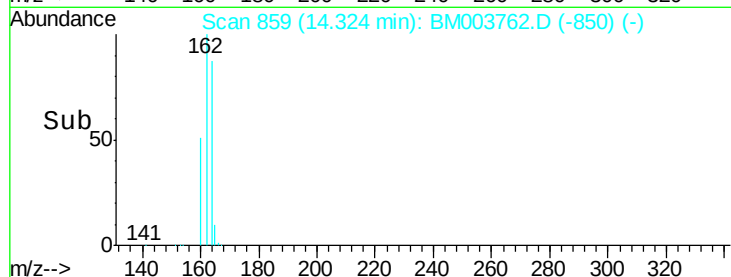
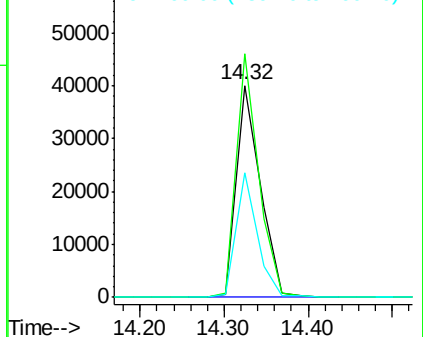


Abundance

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

2,4,6-Tribromophenol

Concen: 8.92 ng

RT: 15.83 min Scan# 927

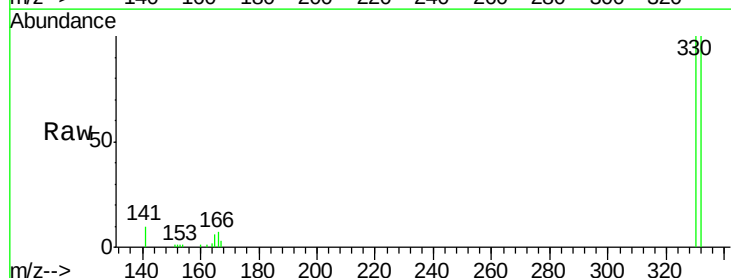
Delta R.T. -0.00 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

Tgt Ion:330 Resp: 19515

Ion	Ratio	Lower	Upper
330	100		
332	98.4	79.0	118.4
141	0.0	0.0	0.0

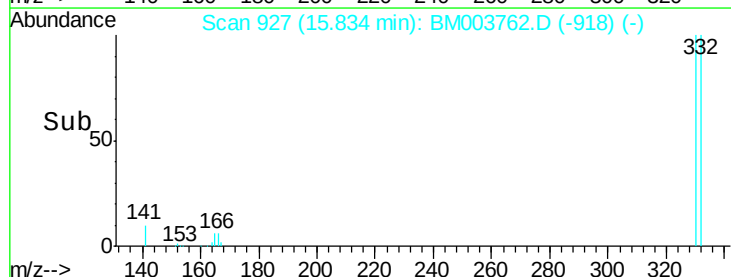
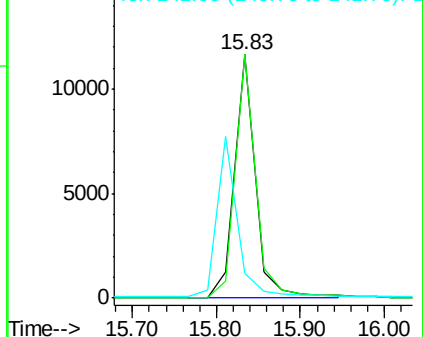


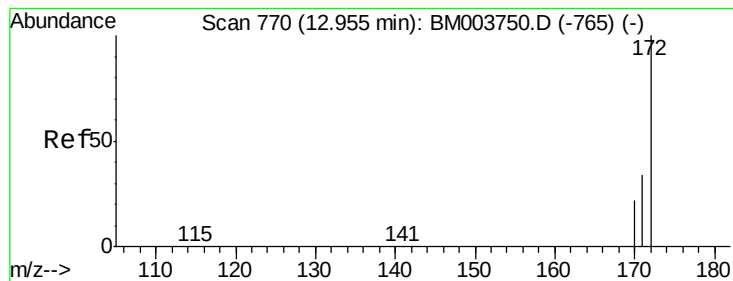
Abundance

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

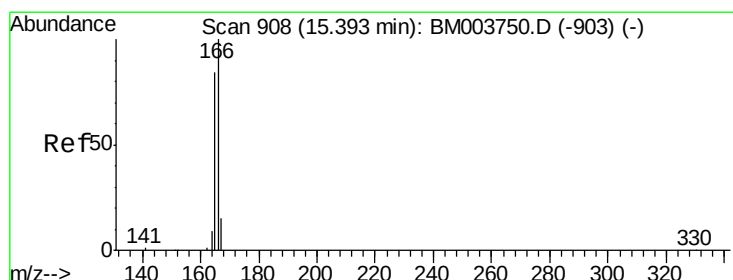
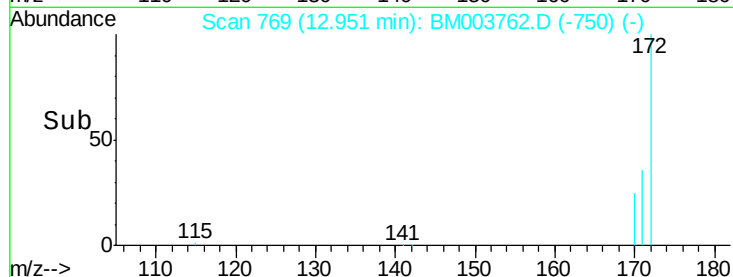
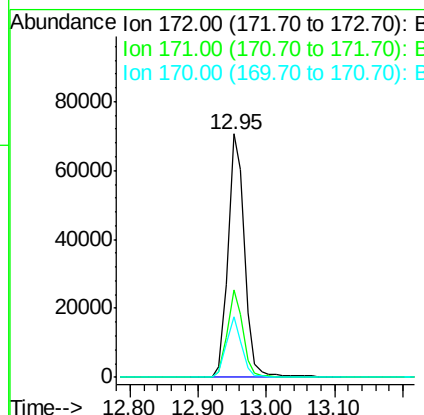
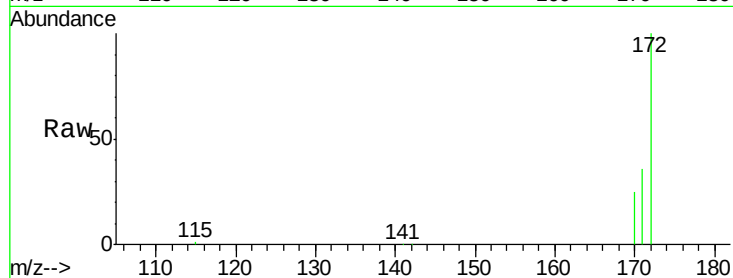




#15
2-Fluorobiphenyl
Concen: 5.22 ng
RT: 12.95 min Scan# 769
Delta R.T. -0.00 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

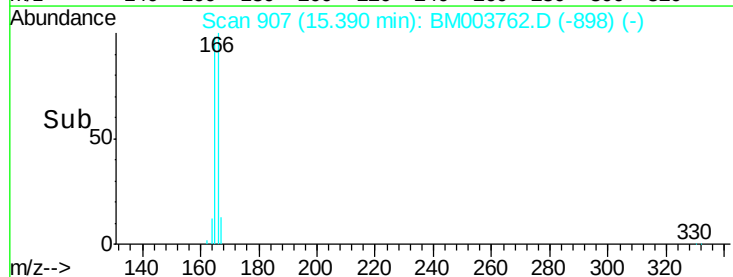
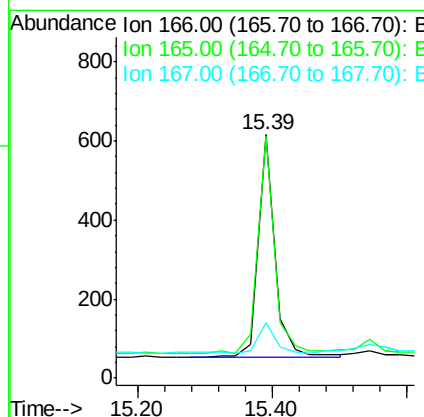
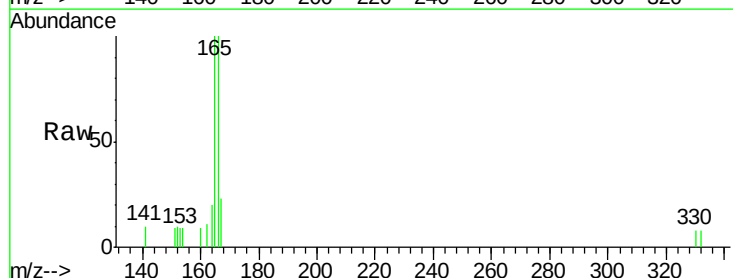
Instrument :
BNA_M
ClientSampleId :

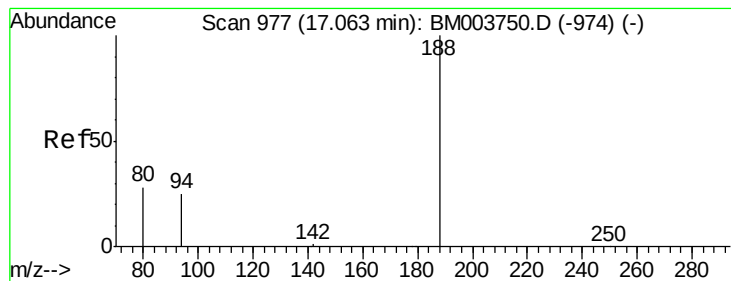
Tot Ion:172 Resp: 118263
Ion Ratio Lower Upper
172 100
171 36.0 27.0 40.6
170 24.8 17.9 26.9



#18
Fluorene
Concen: 0.04 ng
RT: 15.39 min Scan# 907
Delta R.T. -0.00 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

Tgt Ion:166 Resp: 980
Ion Ratio Lower Upper
166 100
165 98.5 77.2 115.8
167 13.9 11.0 16.6





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.08 min Scan# 977

Delta R.T. 0.02 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

Instrument :

BNA_M

ClientSampled :

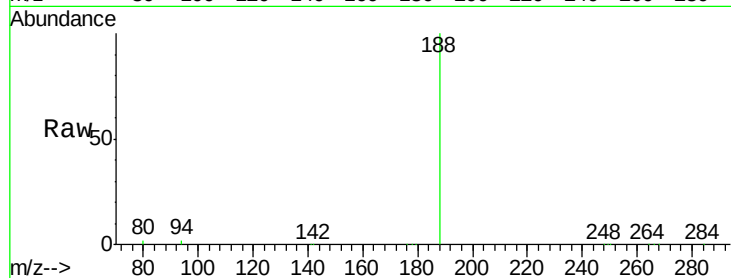
Tot Ion:188 Resp: 168081

Ion Ratio Lower Upper

188 100

94 2.5 20.3 30.5#

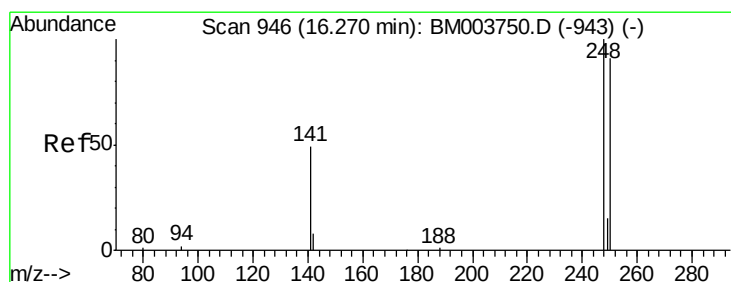
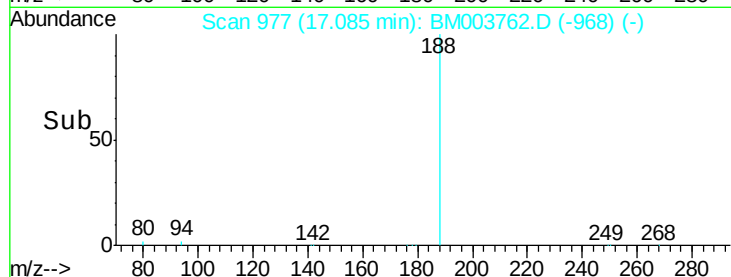
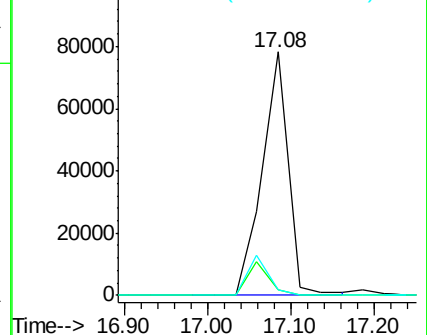
80 2.1 22.2 33.4#



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



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.27 min Scan# 945

Delta R.T. -0.00 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

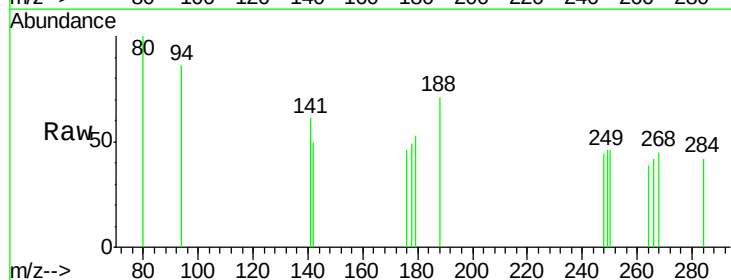
Tgt Ion:248 Resp: 11

Ion Ratio Lower Upper

248 100

250 154.5 75.0 112.4#

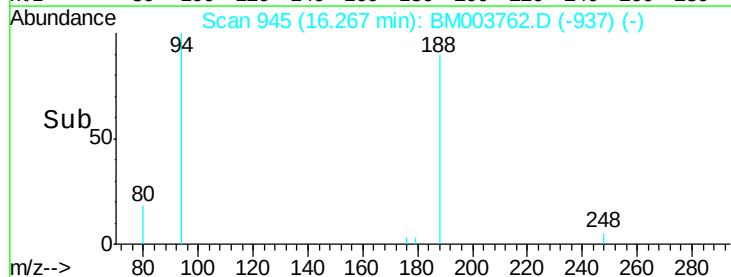
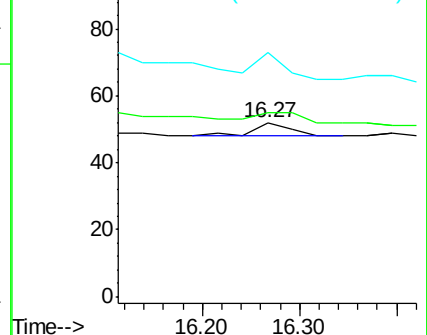
141 0.0 53.0 79.4#

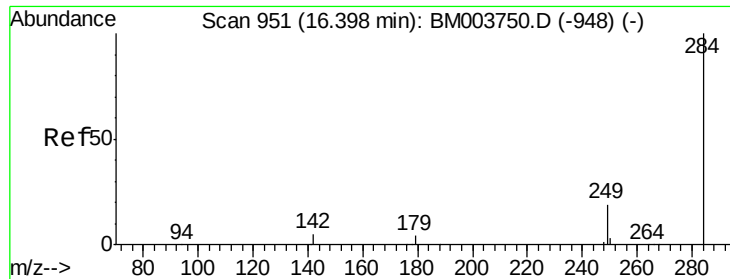


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

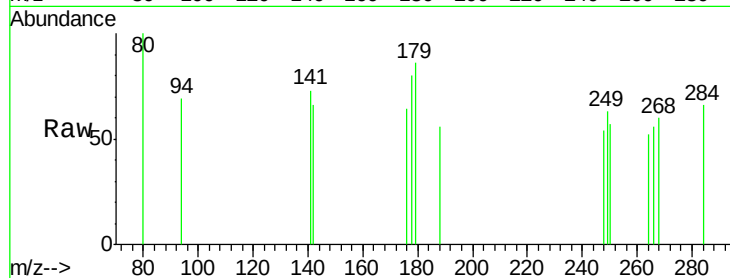




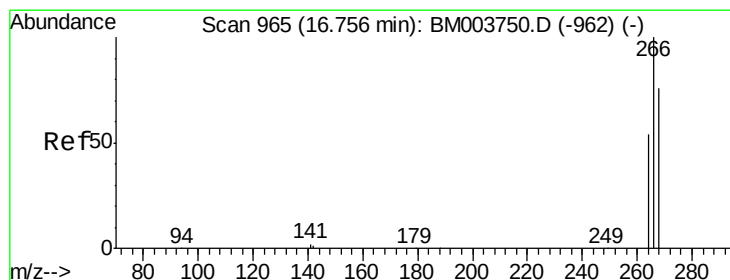
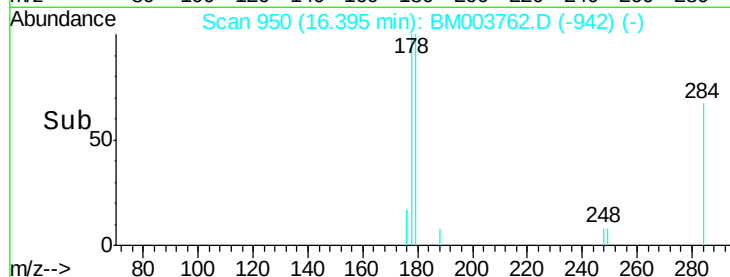
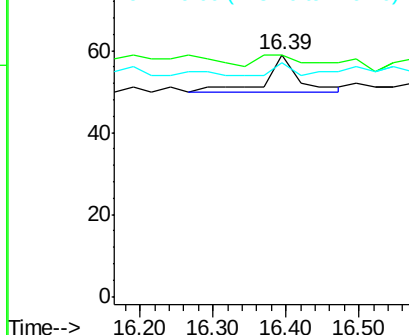
#21
Hexachlorobenzene
Concen: Below Cal
RT: 16.39 min Scan# 950
Delta R.T. -0.00 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

Instrument :
BNA_M
ClientSampleId :

Tot Ion:284 Resp: 26
Ion Ratio Lower Upper
284 100
142 0.0 0.0 0.0
249 23.1 21.5 32.3

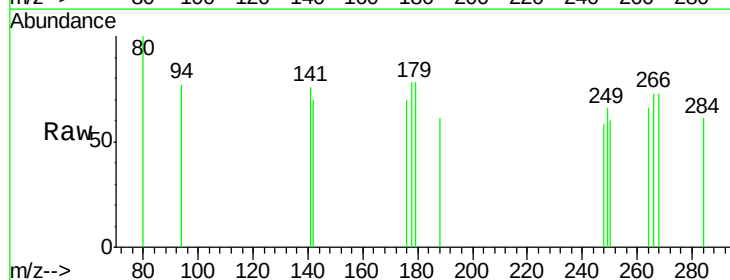


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

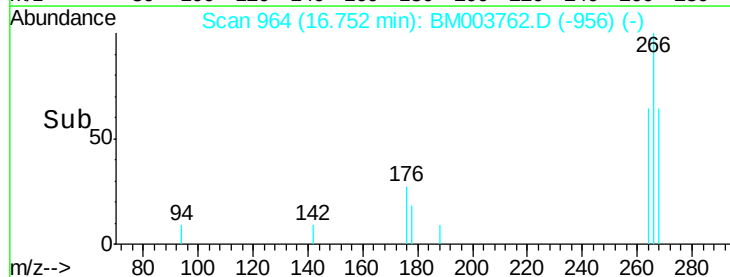
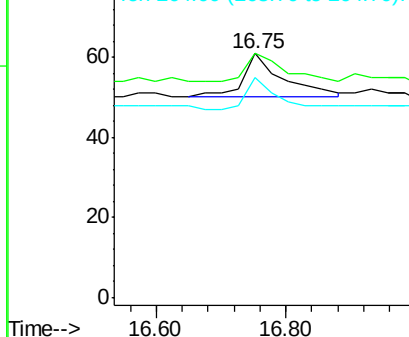


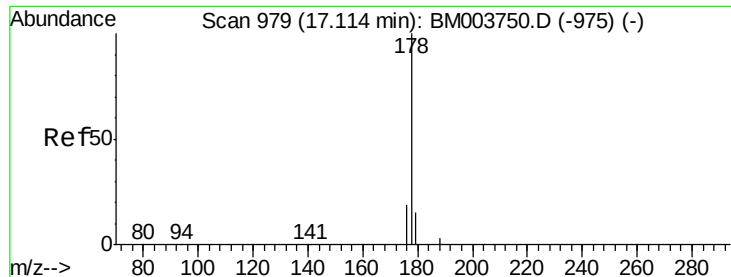
#22
Pentachlorophenol
Concen: 0.45 ng
RT: 16.75 min Scan# 964
Delta R.T. -0.00 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

Tgt Ion:266 Resp: 48
Ion Ratio Lower Upper
266 100
268 100.0 62.7 94.1#
264 90.2 45.7 68.5#



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

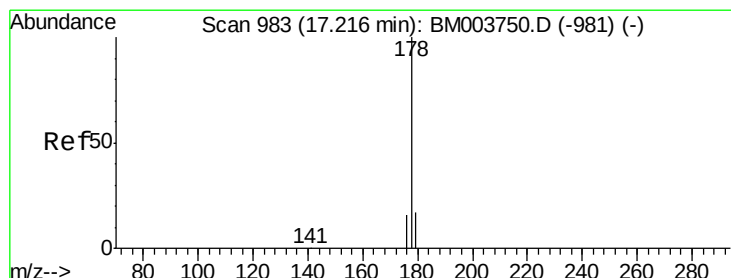
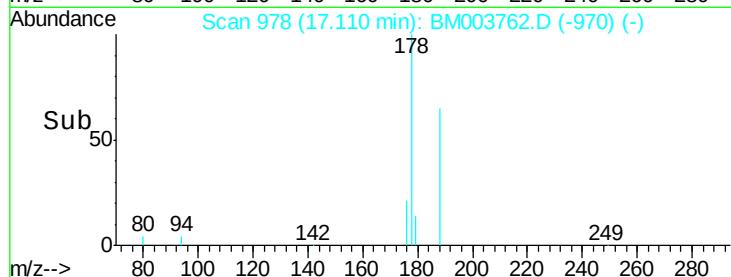
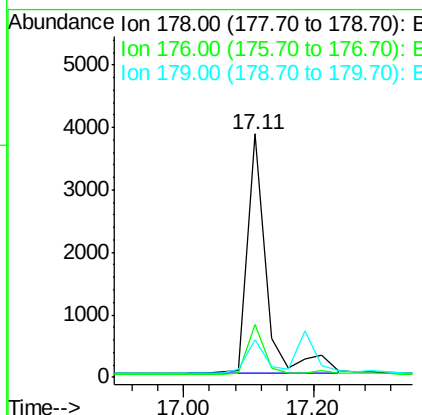
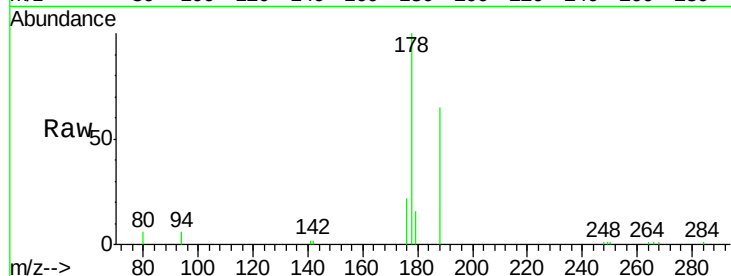




#23
Phenanthrene
Concen: 0.15 ng
RT: 17.11 min Scan# 978
Delta R.T. -0.00 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

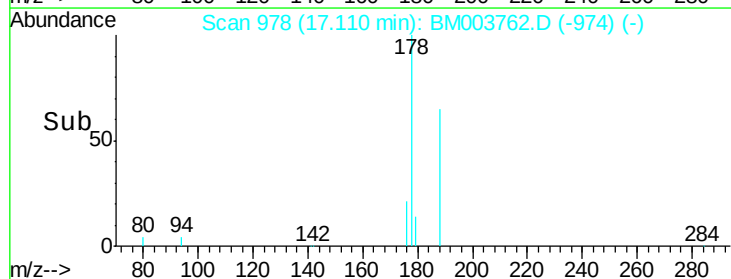
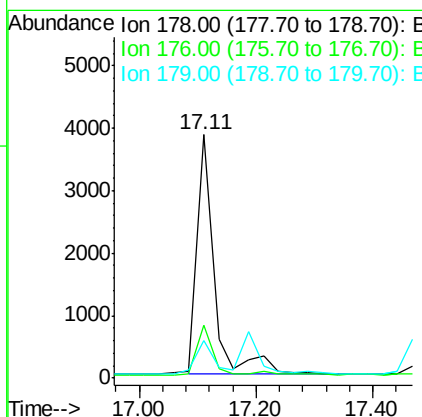
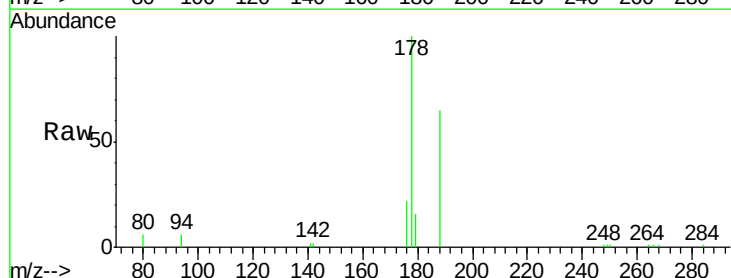
Instrument :
BNA_M
ClientSampleId :

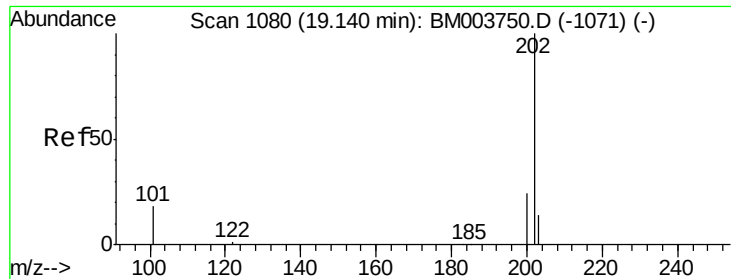
Tot Ion:178 Resp: 7877
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.0
179 15.5 12.2 18.4



#24
Anthracene
Concen: 0.20 ng
RT: 17.11 min Scan# 978
Delta R.T. -0.11 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

Tgt Ion:178 Resp: 7718
Ion Ratio Lower Upper
178 100
176 17.3 14.6 21.8
179 10.8 12.6 19.0#





#25

Fluoranthene

Concen: 0.06 ng

RT: 19.14 min Scan# 1079

Delta R.T. 0.00 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

Instrument :

BNA_M

ClientSampleId :

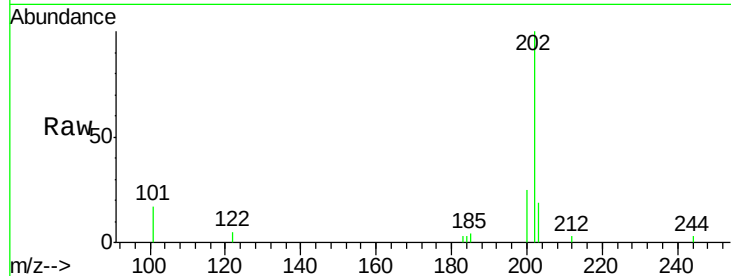
Tot Ion:202 Resp: 3032

Ion Ratio Lower Upper

202 100

101 11.6 9.7 14.5

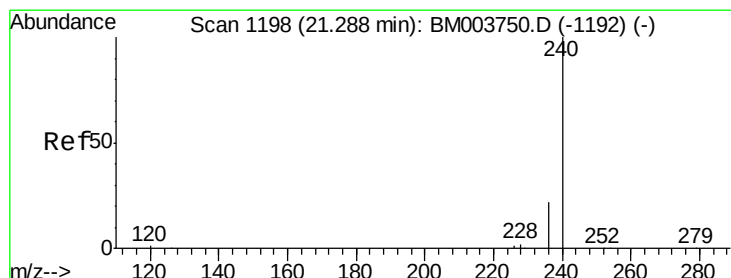
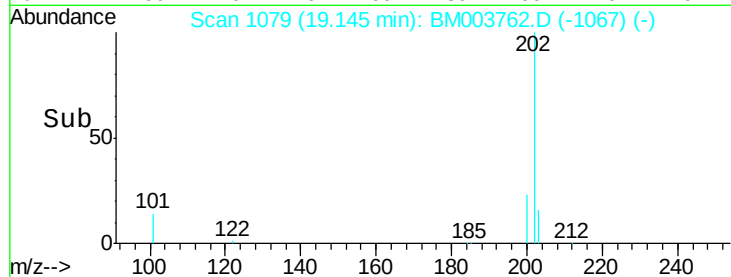
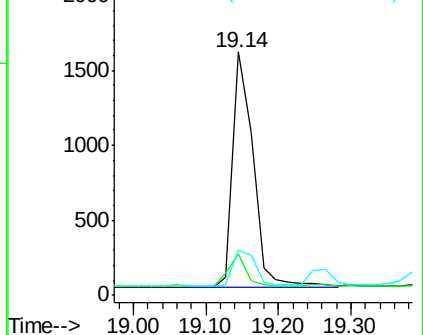
203 16.7 13.8 20.8



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.28 min Scan# 1196

Delta R.T. -0.01 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

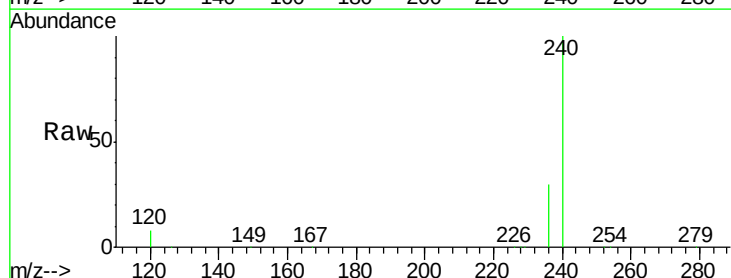
Tgt Ion:240 Resp: 209762

Ion Ratio Lower Upper

240 100

120 8.2 0.9 1.3#

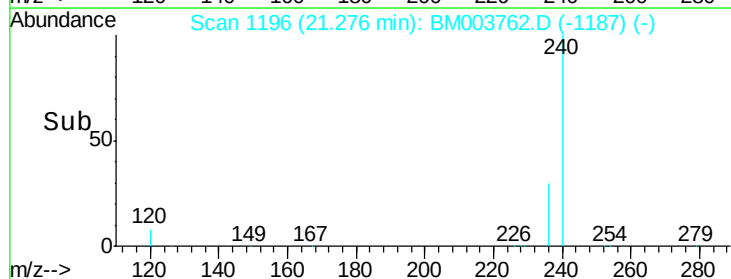
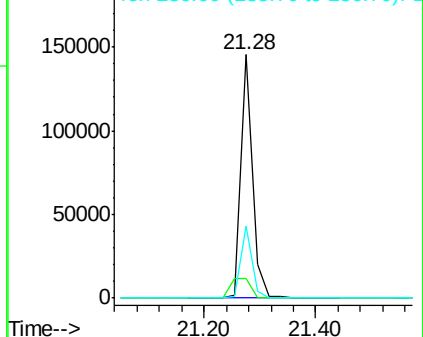
236 29.6 17.3 25.9#

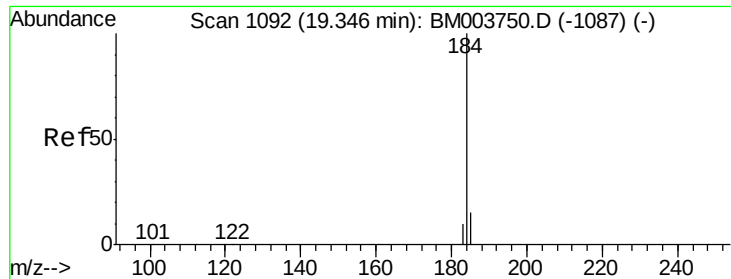


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

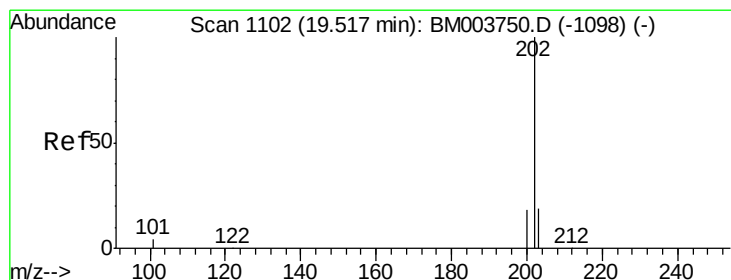
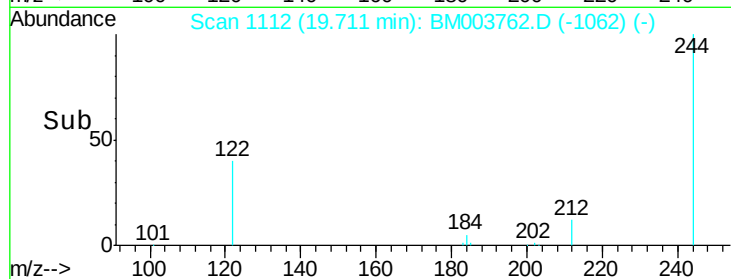
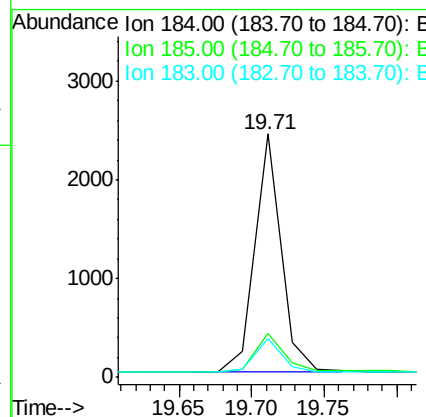
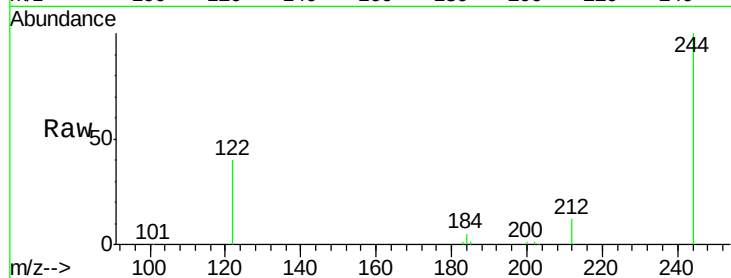




#27
Benzidine
Concen: 0.62 ng
RT: 19.71 min Scan# 1112
Delta R.T. 0.37 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

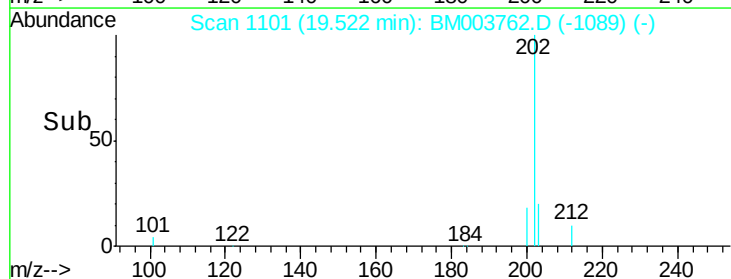
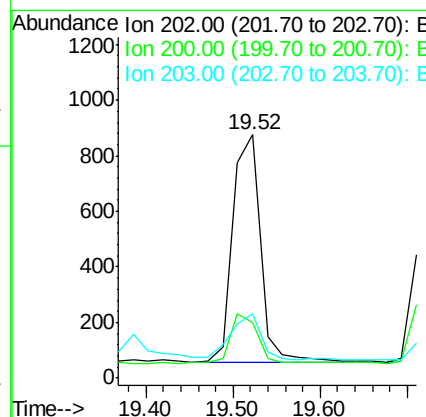
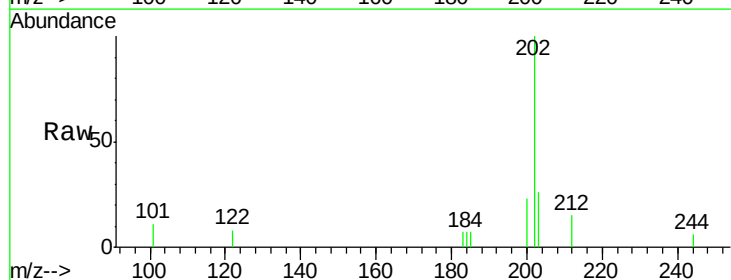
Instrument :
BNA_M
ClientSampleId :

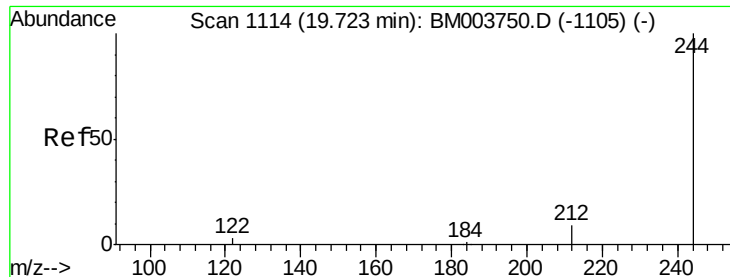
Tot Ion:184 Resp: 3046
Ion Ratio Lower Upper
184 100
185 18.3 13.2 19.8
183 16.0 9.0 13.6#



#28
Pyrene
Concen: 0.03 ng
RT: 19.52 min Scan# 1101
Delta R.T. 0.00 min
Lab File: BM003762.D
Acq: 24 Dec 2015 04:04

Tgt Ion:202 Resp: 1789
Ion Ratio Lower Upper
202 100
200 21.4 16.6 24.8
203 21.4 14.0 21.0#





#29

Terphenyl-d14

Concen: 3.85 ng

RT: 19.73 min Scan# 1113

Delta R.T. 0.01 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

Instrument :

BNA_M

ClientSampleId :

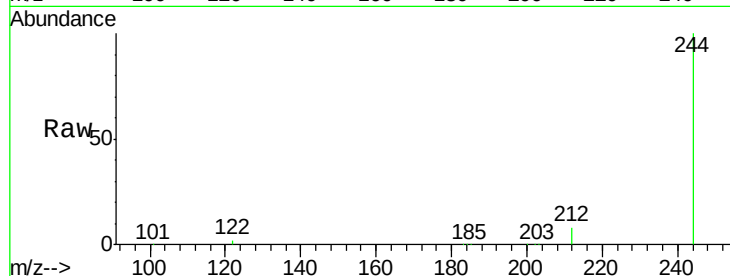
Tot Ion:244 Resp: 127938

Ion Ratio Lower Upper

244 100

212 8.0 7.0 10.6

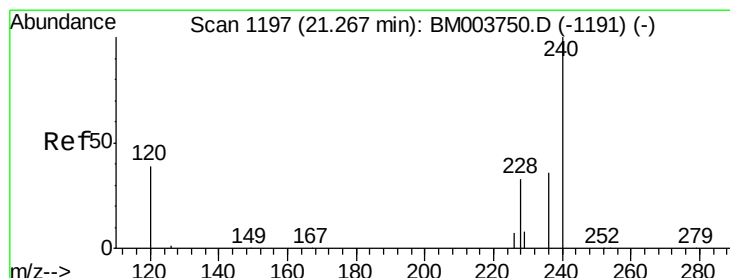
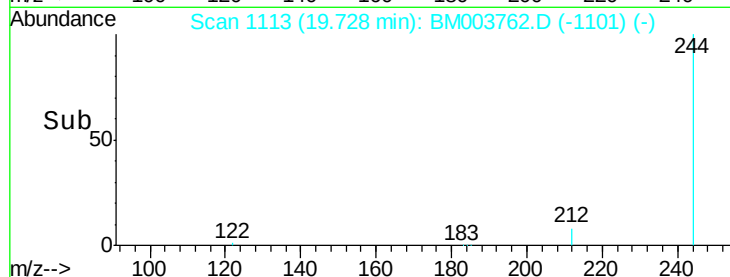
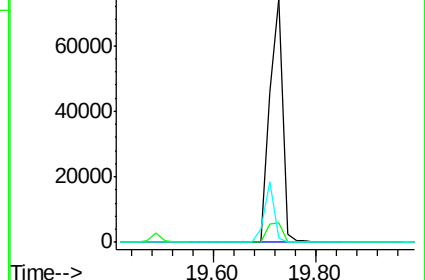
122 1.5 3.0 4.6#



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



#30

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.28 min Scan# 1196

Delta R.T. 0.01 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

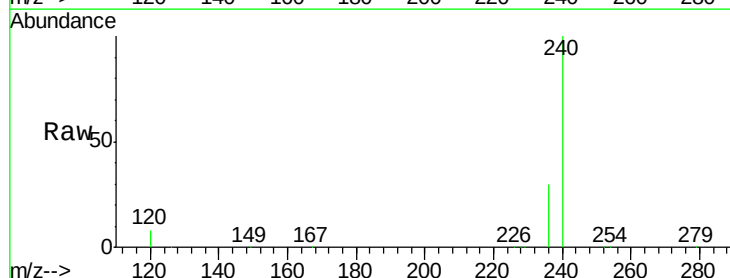
Tgt Ion:228 Resp: 1545

Ion Ratio Lower Upper

228 100

226 19.0 17.2 25.8

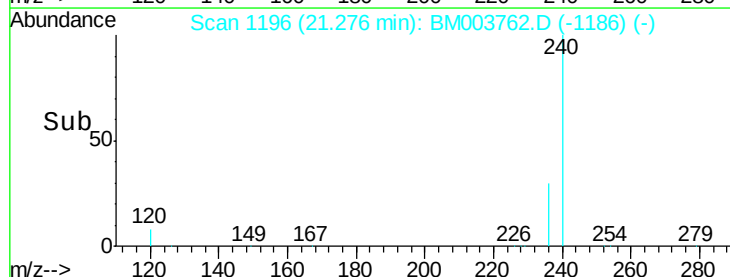
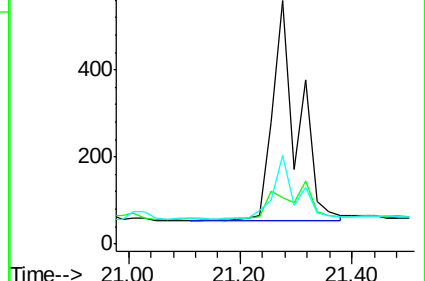
229 36.7 18.7 28.1#

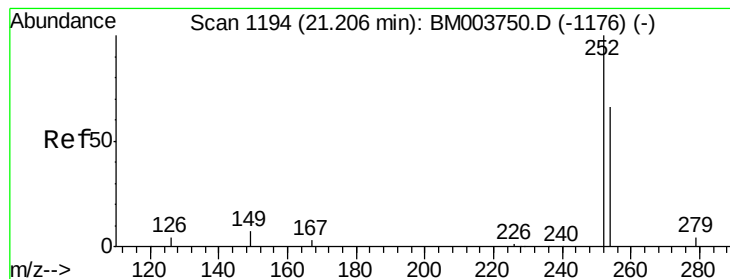


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 0.30 ng

RT: 21.21 min Scan# 1193

Delta R.T. 0.01 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

Instrument :

BNA_M

ClientSampled :

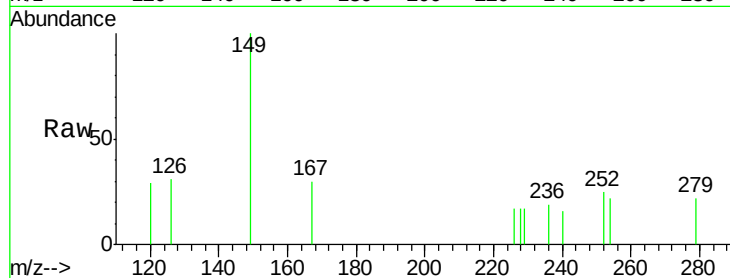
Tot Ion:252 Resp: 49

Ion Ratio Lower Upper

252 100

254 86.2 52.6 79.0#

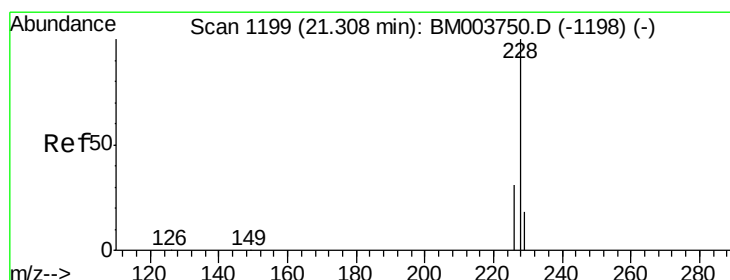
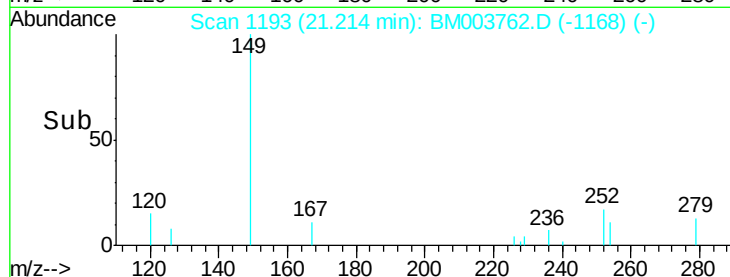
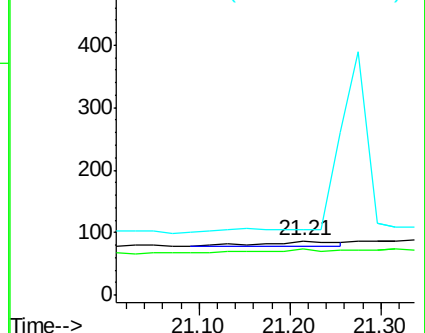
126 120.7 3.7 5.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E



#32

Chrysene

Concen: 0.03 ng

RT: 21.28 min Scan# 1196

Delta R.T. -0.03 min

Lab File: BM003762.D

Acq: 24 Dec 2015 04:04

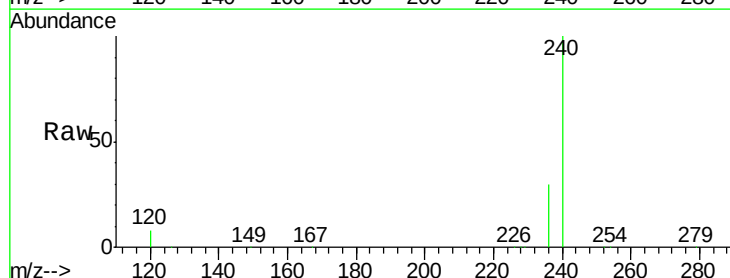
Tgt Ion:228 Resp: 1555

Ion Ratio Lower Upper

228 100

226 19.0 25.3 37.9#

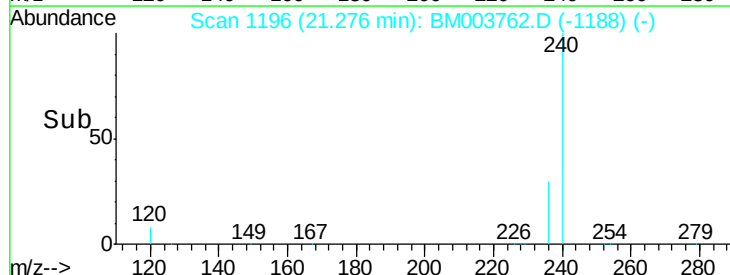
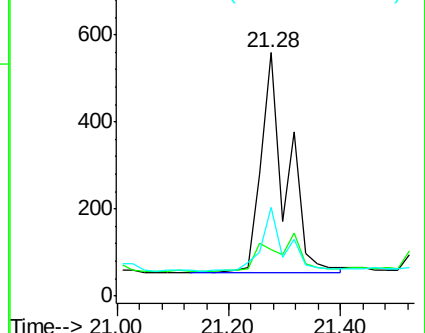
229 36.7 14.5 21.7#

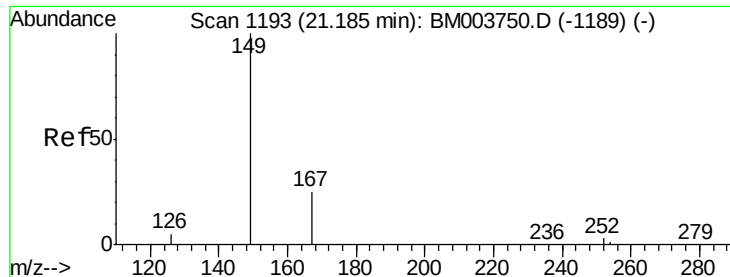


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

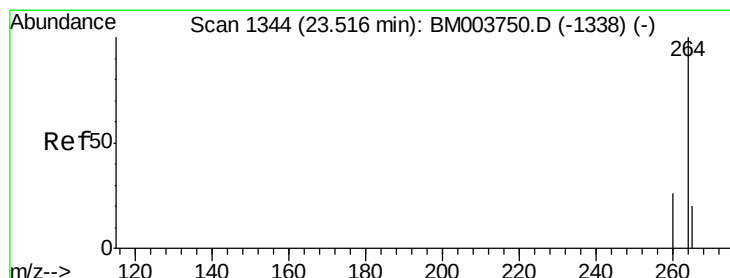
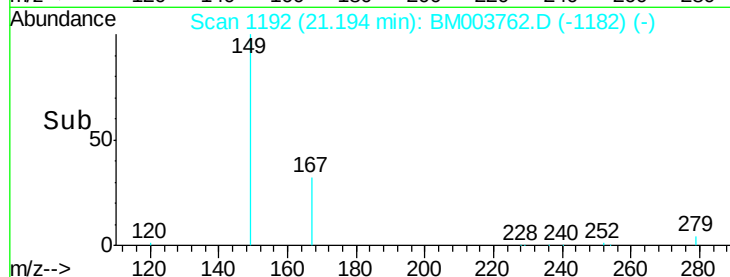
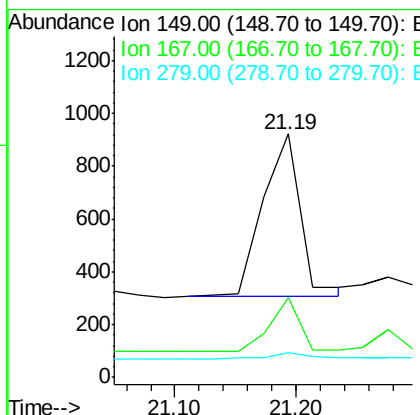
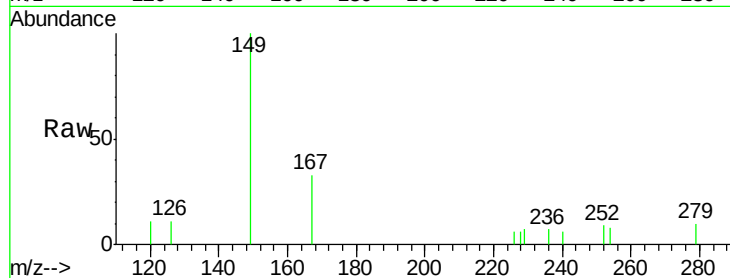




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.26 ng
 RT: 21.19 min Scan# 1192
 Delta R.T. 0.01 min
 Lab File: BM003762.D
 Acq: 24 Dec 2015 04:04

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:149 Resp: 1329
 Ion Ratio Lower Upper
 149 100
 167 25.8 20.1 30.1
 279 7.2 0.0 0.0#



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.51 min Scan# 1343
 Delta R.T. -0.00 min
 Lab File: BM003762.D
 Acq: 24 Dec 2015 04:04

Tgt Ion:264 Resp: 176769
 Ion Ratio Lower Upper
 264 100
 260 27.0 21.2 31.8
 265 20.2 16.7 25.1

