

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
 Data File : BM003771.D
 Acq On : 24 Dec 2015 10:12
 Operator : UM/SJ
 Sample : G4931-02
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 24 14:58:12 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 10:08:49 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	40493	5.00	ng	0.00
7) Naphthalene-d8	10.48	136	172917	5.00	ng	0.00
13) Acenaphthene-d10	14.33	164	99393	5.00	ng	0.00
19) Phenanthrene-d10	17.06	188	184299	5.00	ng	0.00
26) Chrysene-d12	21.29	240	199520	5.00	ng	0.00
35) Perylene-d12	23.53	264	182408	5.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.27	112	26133	2.73	ng	0.00
5) Phenol-d6	6.87	99	20288	1.73	ng	0.00
8) Nitrobenzene-d5	8.85	82	32608	3.56	ng	0.00
14) 2,4,6-Tribromophenol	15.84	330	23443	7.51	ng	0.00
15) 2-Fluorobiphenyl	12.95	172	124166	4.08	ng	0.00
29) Terphenyl-d14	19.72	244	153717	4.87	ng	0.00

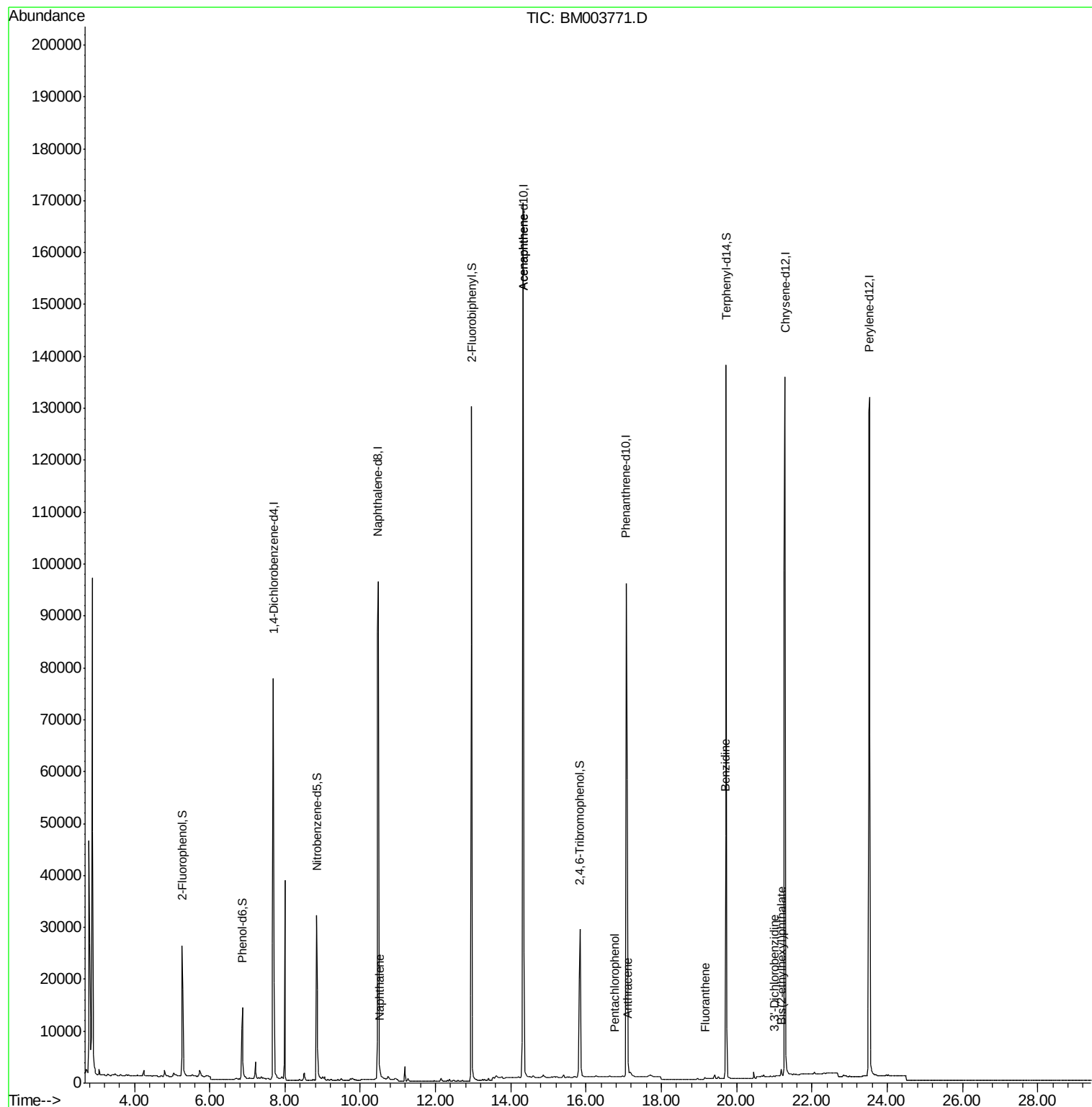
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.18	88	185	Below Cal	#	13
10) Naphthalene	10.51	128	1710	0.04 ng	#	83
17) Acenaphthene	14.33	154	466	0.04 ng	#	7
18) Fluorene	15.39	166	388	Below Cal	#	96
20) 4-Bromophenyl-phenylether	16.27	248	17	Below Cal	#	58
21) Hexachlorobenzene	16.40	284	31	Below Cal	#	77
22) Pentachlorophenol	16.76	266	55	0.39 ng	#	70
23) Phenanthrene	17.11	178	1376	Below Cal	#	84
24) Anthracene	17.11	178	1175	0.09 ng		94
25) Fluoranthene	19.16	202	541	0.11 ng		99
27) Benidine	19.71	184	3340	0.40 ng	#	92
28) Pvrene	19.52	202	572	Below Cal	#	93
31) 3,3'-Dichlorobenzidine	21.00	252	17	0.24 ng	#	53
32) Chrysene	21.27	228	1519	Below Cal	#	81
33) Bis(2-ethylhexyl)phthalate	21.19	149	1669	0.23 ng	#	89

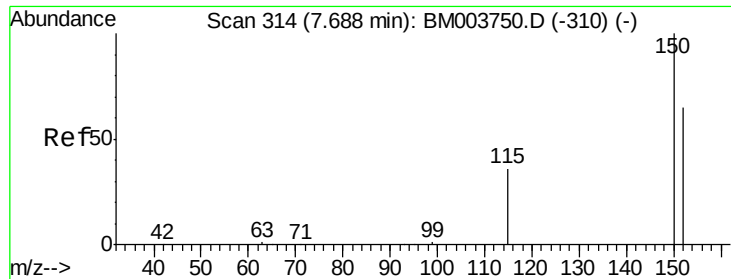
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\DATA\BM122415\
Data File : BM003771.D
Acq On : 24 Dec 2015 10:12
Operator : UM/SJ
Sample : G4931-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Dec 24 14:58:12 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 10:08:49 2015
Response via : Initial Calibration



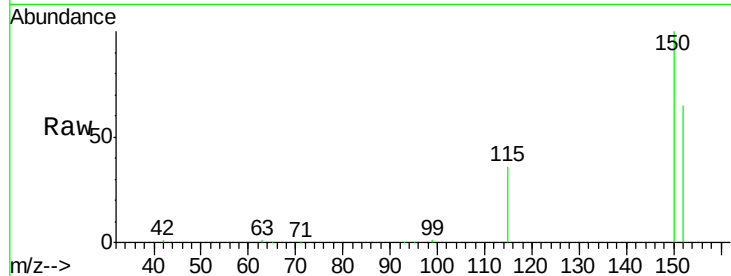


#1

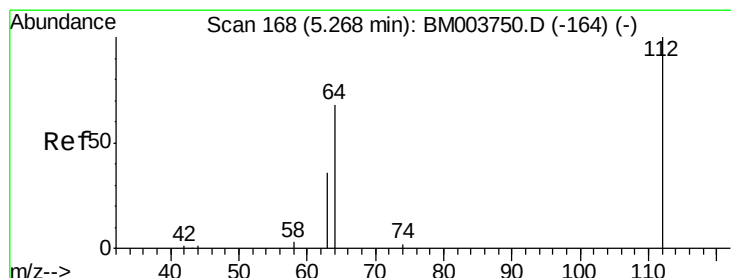
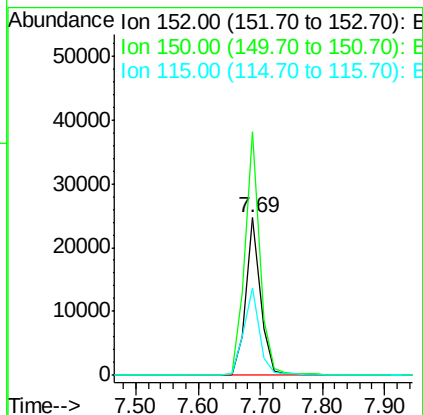
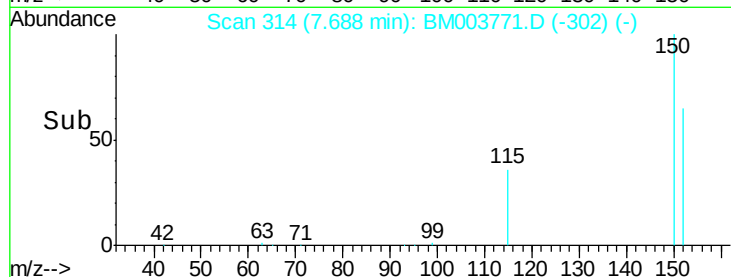
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.69 min Scan# 314
Delta R.T. 0.00 min
Lab File: BM003771.D
Acq: 24 Dec 2015 10:12

Instrument :
BNA_M
ClientSampled :

Tot Ion:152 Resp: 40493
Ion Ratio Lower Upper
152 100
150 154.5 122.9 184.3
115 55.5 44.4 66.6



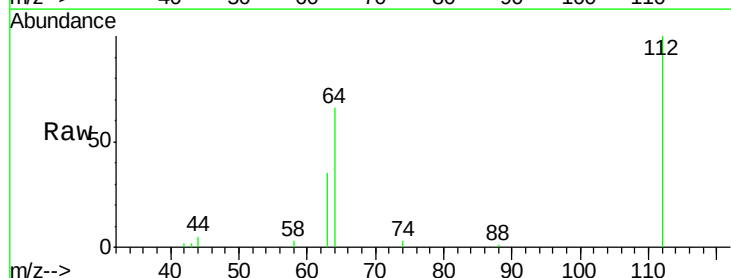
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



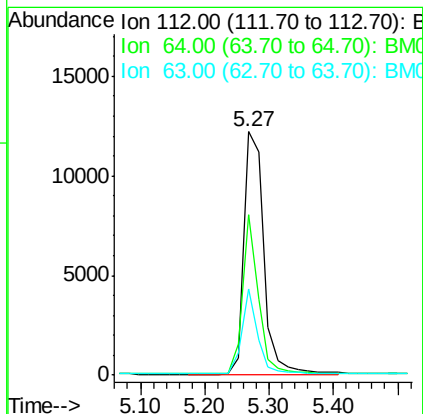
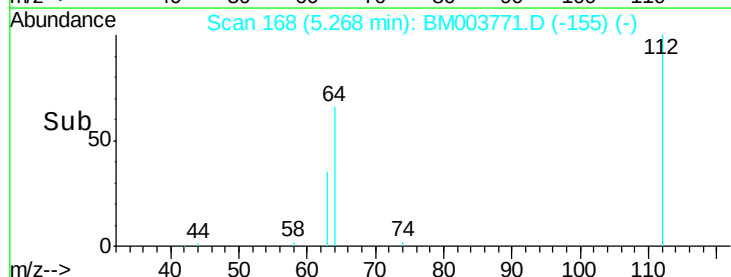
#4

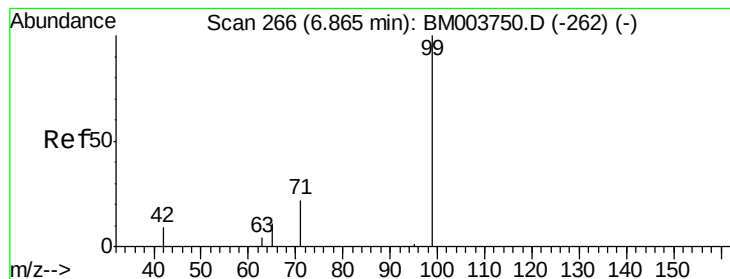
2-Fluorophenol
Concen: 2.73 ng
RT: 5.27 min Scan# 168
Delta R.T. 0.00 min
Lab File: BM003771.D
Acq: 24 Dec 2015 10:12

Tgt Ion:112 Resp: 26133
Ion Ratio Lower Upper
112 100
64 52.3 41.8 62.8
63 27.5 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: BM003771.D

Acq: 24 Dec 2015 10:12

Instrument :

BNA_M

ClientSampleId :

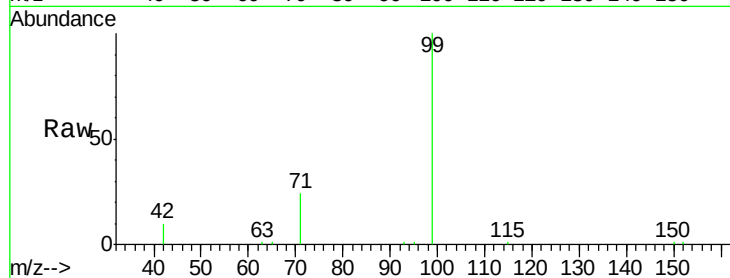
Tot Ion: 99 Resp: 20288

Ion Ratio Lower Upper

99 100

42 17.8 16.2 24.2

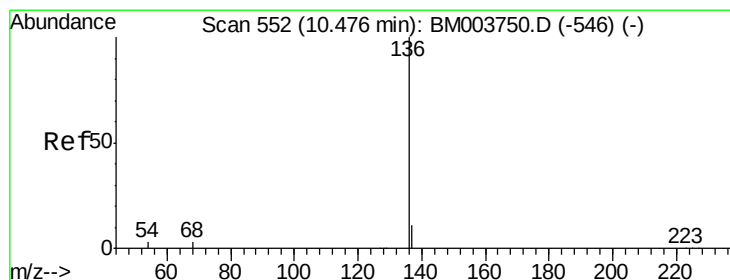
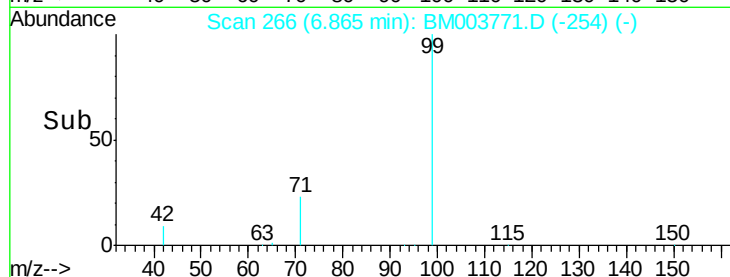
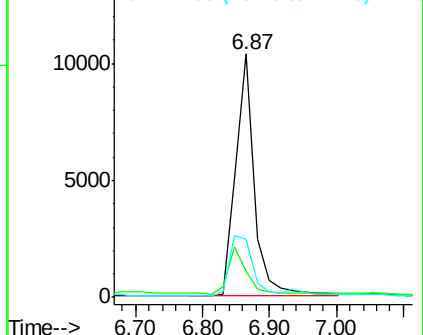
71 30.6 24.4 36.6



Abundance Ion 99.00 (98.70 to 99.70): BM003771.D (-254) (-)

Ion 42.00 (41.70 to 42.70): BM003771.D (-254) (-)

Ion 71.00 (70.70 to 71.70): BM003771.D (-254) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.48 min Scan# 552

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

Tgt Ion: 136 Resp: 172917

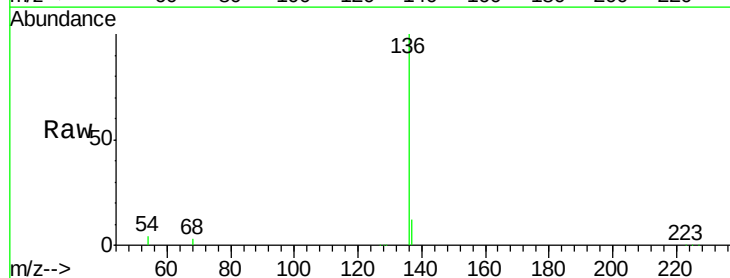
Ion Ratio Lower Upper

136 100

137 11.6 9.2 13.8

54 3.7 2.8 4.2

68 3.2 2.5 3.7

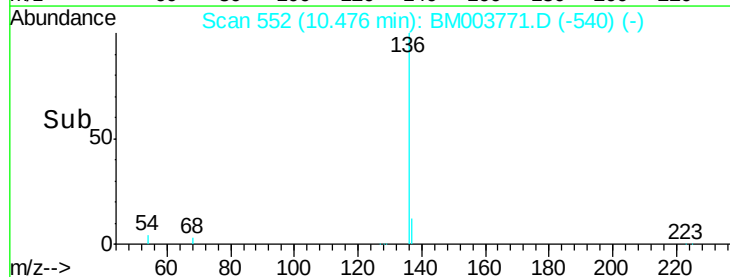
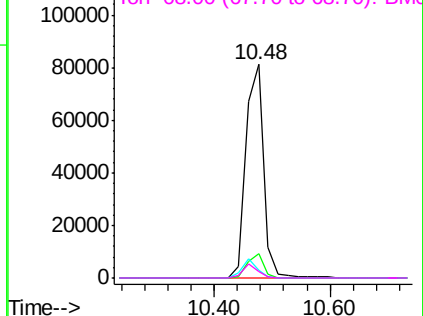


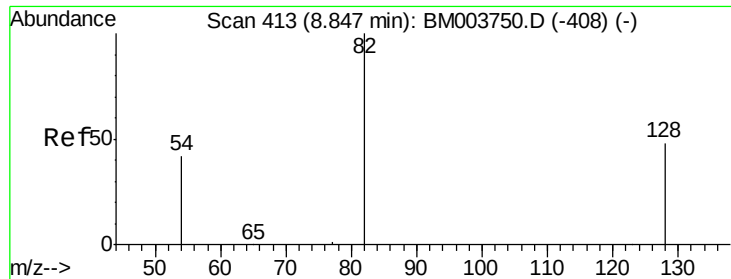
Abundance Ion 136.00 (135.70 to 136.70): BM003771.D (-540) (-)

Ion 137.00 (136.70 to 137.70): BM003771.D (-540) (-)

Ion 54.00 (53.70 to 54.70): BM003771.D (-540) (-)

Ion 68.00 (67.70 to 68.70): BM003771.D (-540) (-)





#8

Nitrobenzene-d5

Concen: 3.56 ng

RT: 8.85 min Scan# 413

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

Instrument :

BNA_M

ClientSampleId :

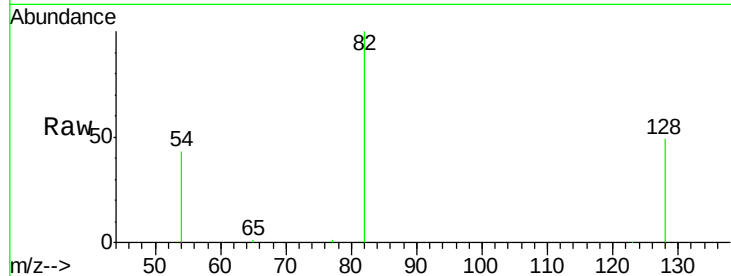
Tot Ion: 82 Resp: 32608

Ion Ratio Lower Upper

82 100

128 49.5 39.1 58.7

54 42.8 34.8 52.2

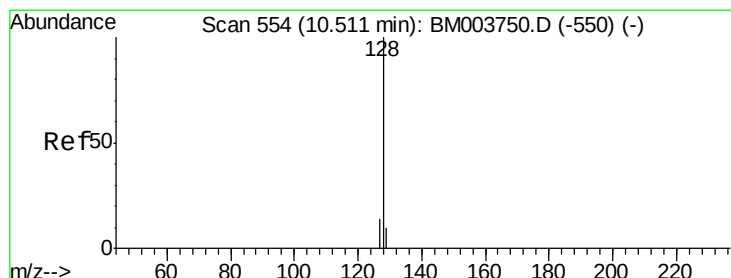
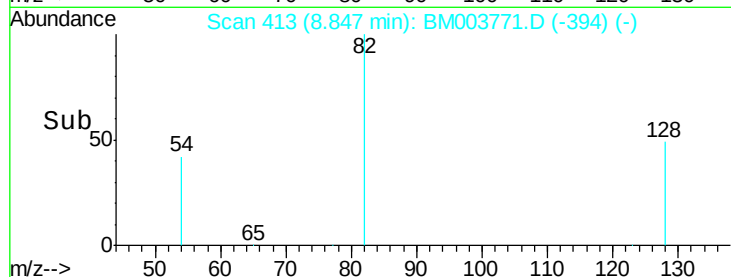


Abundance Ion 82.00 (81.70 to 82.70): BM003771.D (-394) (-)

Ion 128.00 (127.70 to 128.70): BM003771.D (-394) (-)

Ion 54.00 (53.70 to 54.70): BM003771.D (-394) (-)

Time--> 8.70 8.80 8.90 9.00



#10

Naphthalene

Concen: 0.04 ng

RT: 10.51 min Scan# 554

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

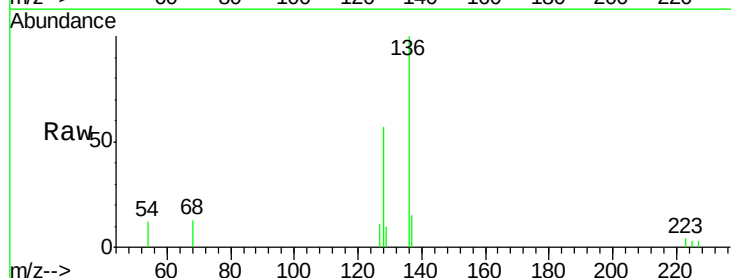
Tgt Ion: 128 Resp: 1710

Ion Ratio Lower Upper

128 100

129 17.7 8.5 12.7#

127 19.7 11.0 16.4#

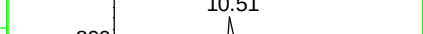
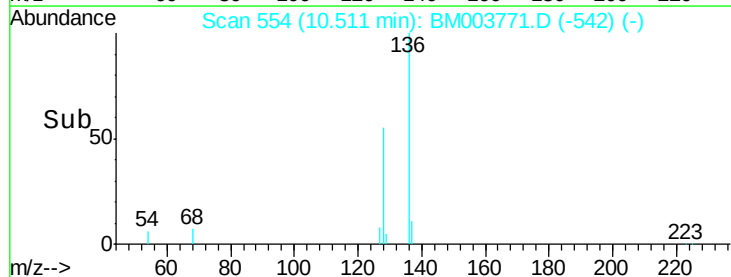


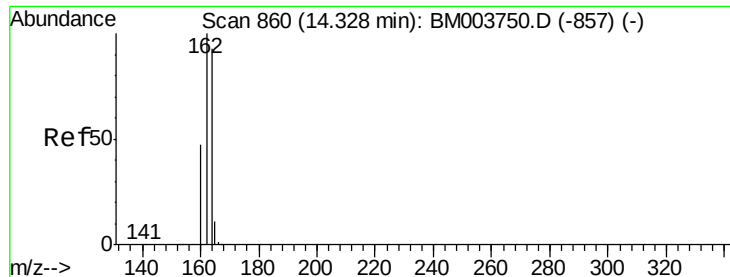
Abundance Ion 128.00 (127.70 to 128.70): BM003771.D (-542) (-)

Ion 129.00 (128.70 to 129.70): BM003771.D (-542) (-)

Ion 127.00 (126.70 to 127.70): BM003771.D (-542) (-)

Time--> 10.40 10.50 10.60 10.70





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.33 min Scan# 860

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

Instrument :

BNA_M

ClientSampleId :

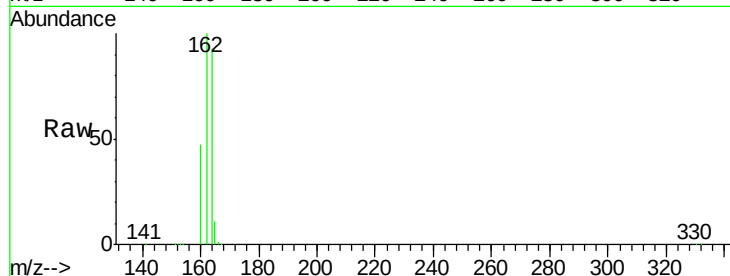
Tot Ion:164 Resp: 99393

Ion Ratio Lower Upper

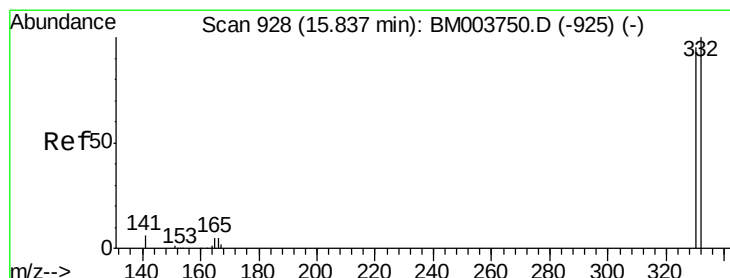
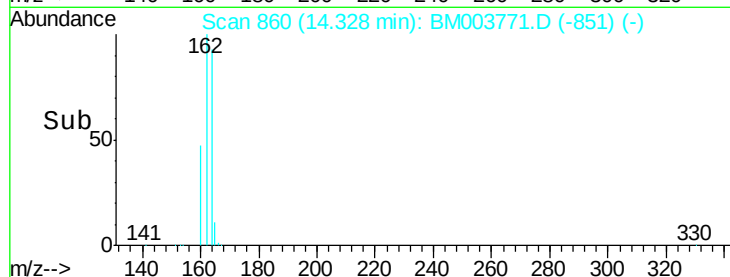
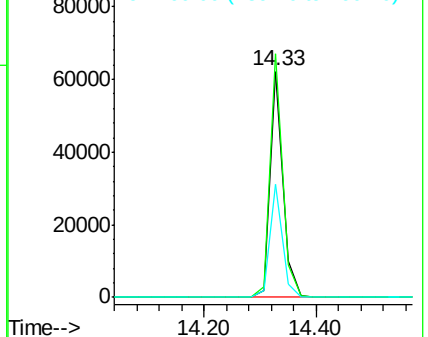
164 100

162 107.8 86.0 129.0

160 50.3 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: 7.51 ng

RT: 15.84 min Scan# 928

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

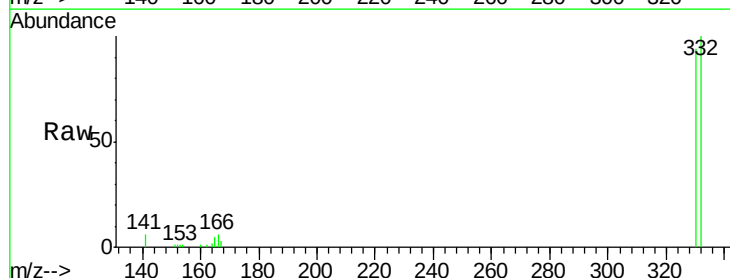
Tgt Ion:330 Resp: 23443

Ion Ratio Lower Upper

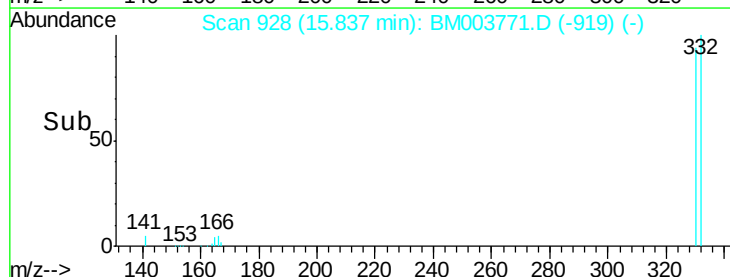
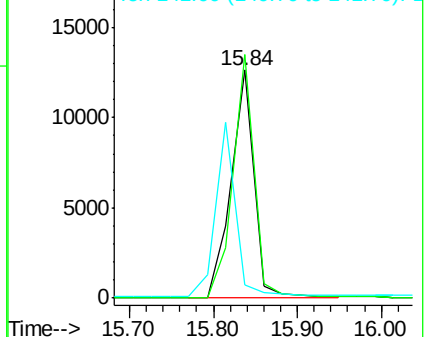
330 100

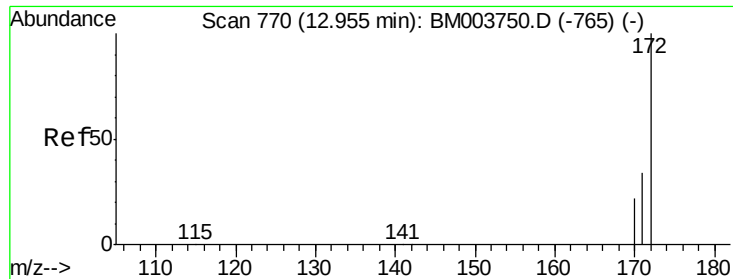
332 98.8 79.0 118.4

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

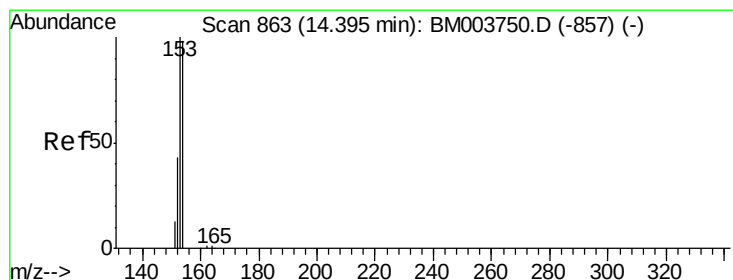
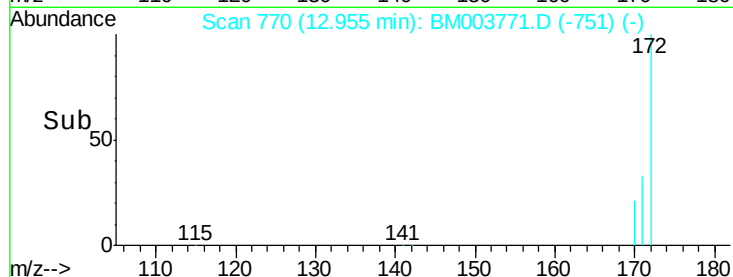
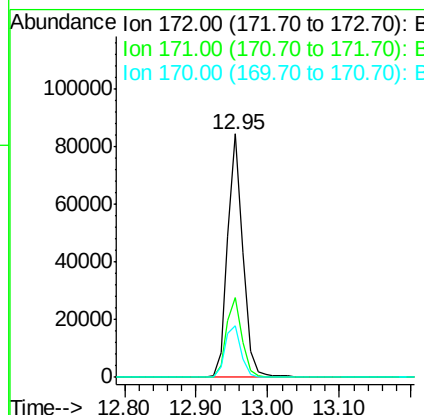
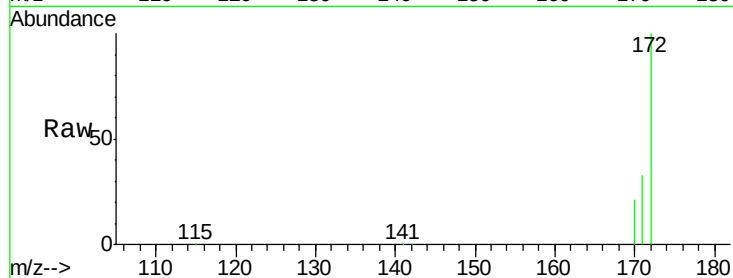




#15
2-Fluorobiphenyl
Concen: 4.08 ng
RT: 12.95 min Scan# 770
Delta R.T. 0.00 min
Lab File: BM003771.D
Acq: 24 Dec 2015 10:12

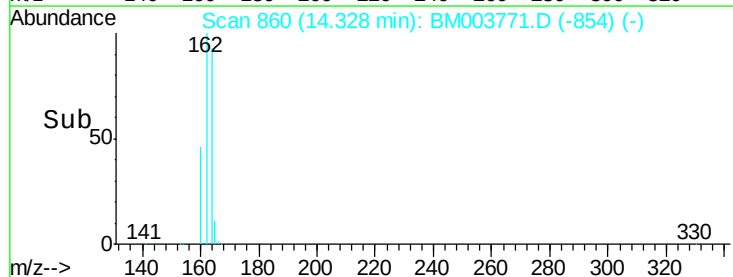
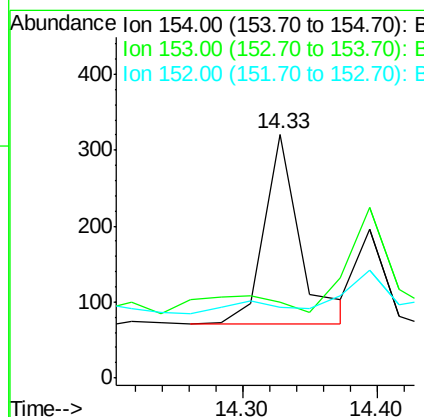
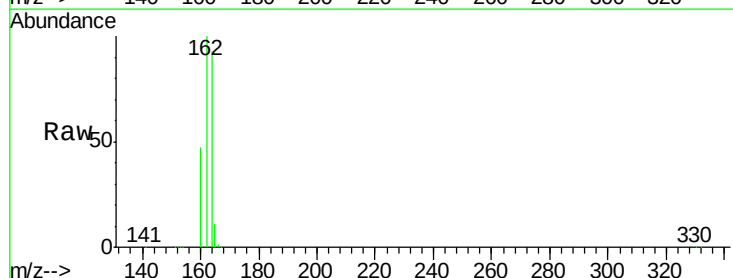
Instrument :
BNA_M
ClientSampleId :

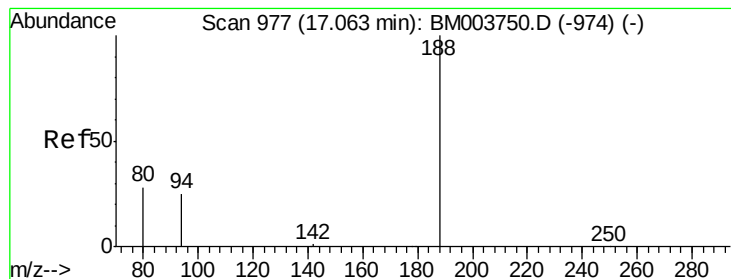
Tot Ion:172 Resp: 124166
Ion Ratio Lower Upper
172 100
171 32.8 27.0 40.6
170 21.1 17.9 26.9



#17
Acenaphthene
Concen: 0.04 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.07 min
Lab File: BM003771.D
Acq: 24 Dec 2015 10:12

Tgt Ion:154 Resp: 466
Ion Ratio Lower Upper
154 100
153 0.0 85.4 128.2#
152 0.0 40.6 60.8#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.06 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

Instrument :

BNA_M

ClientSampleId :

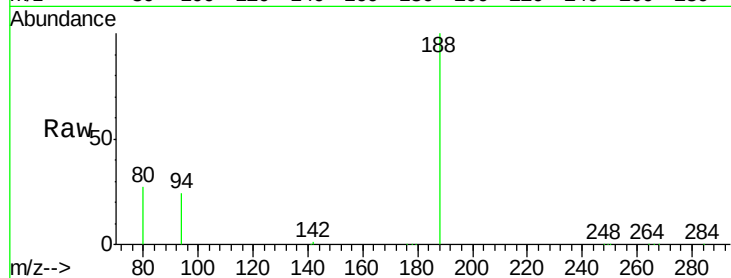
Tot Ion:188 Resp: 184299

Ion Ratio Lower Upper

188 100

94 24.4 20.3 30.5

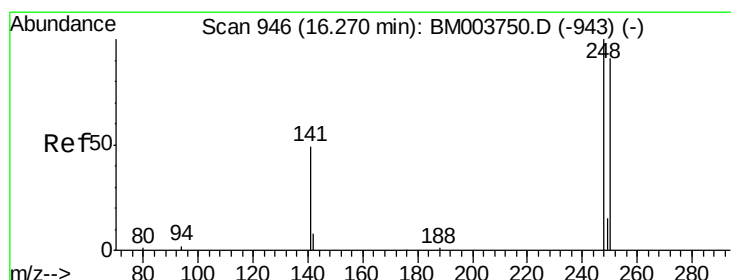
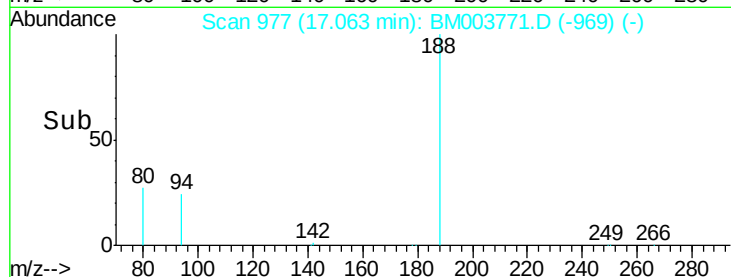
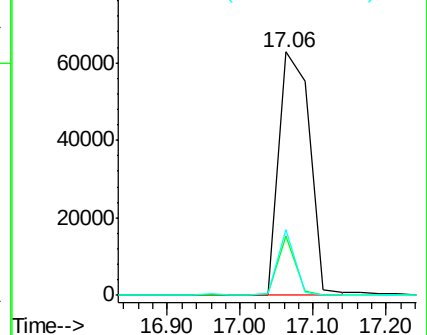
80 26.9 22.2 33.4



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# 946

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

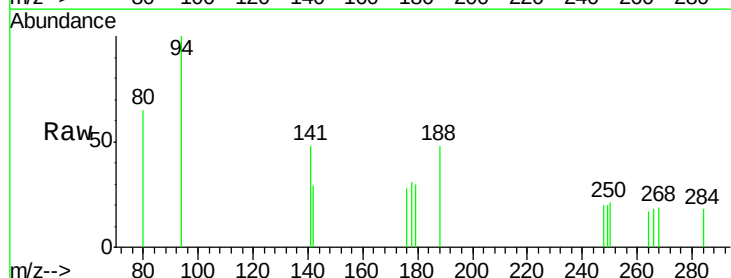
Tgt Ion:248 Resp: 17

Ion Ratio Lower Upper

248 100

250 105.9 75.0 112.4

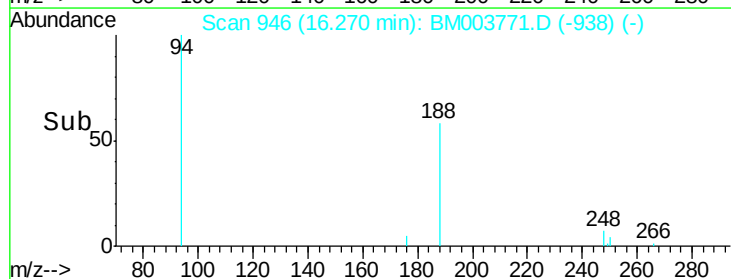
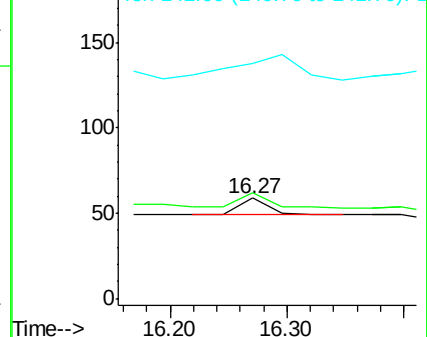
141 0.0 53.0 79.4#

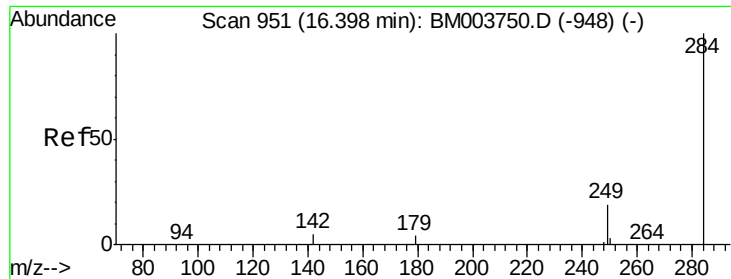


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: Below Cal

RT: 16.40 min Scan# 951

Delta R.T. 0.00 min

Lab File: BM003771.D

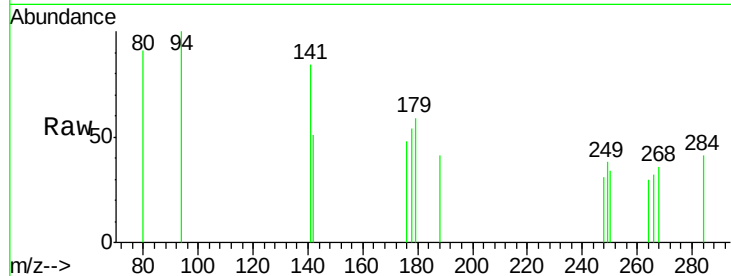
Acq: 24 Dec 2015 10:12

Instrument :

BNA_M

ClientSampleId :

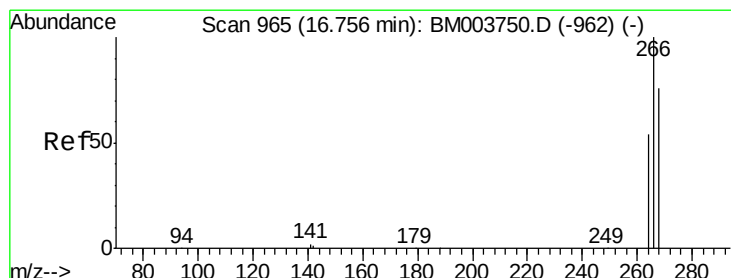
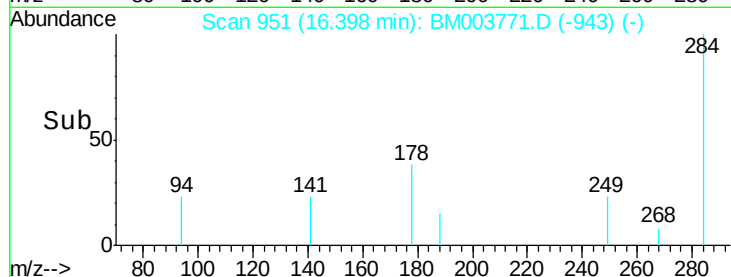
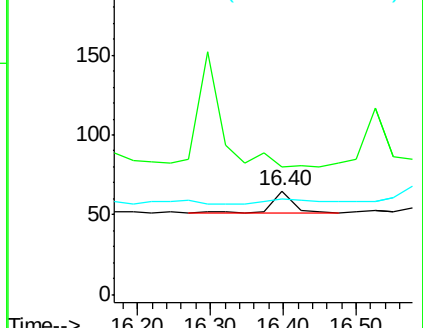
Tot Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	38.7	21.5	32.3#



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: 0.39 ng

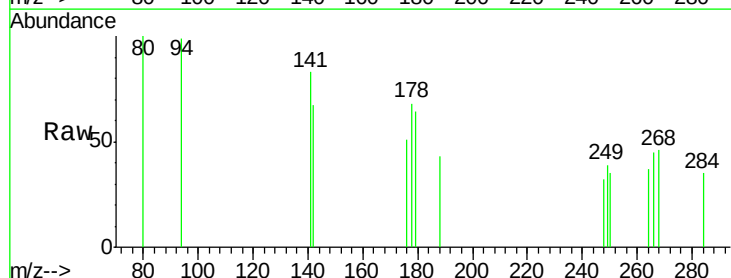
RT: 16.76 min Scan# 965

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

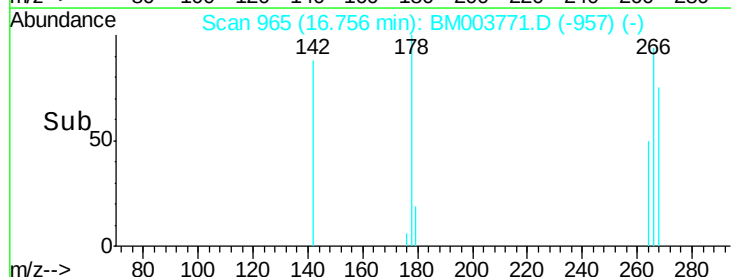
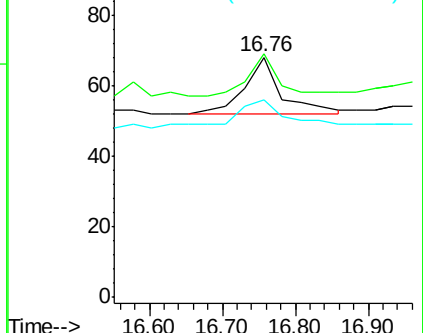
Tgt Ion	Ratio	Lower	Upper
266	100		
268	101.5	62.7	94.1#
264	82.4	45.7	68.5#

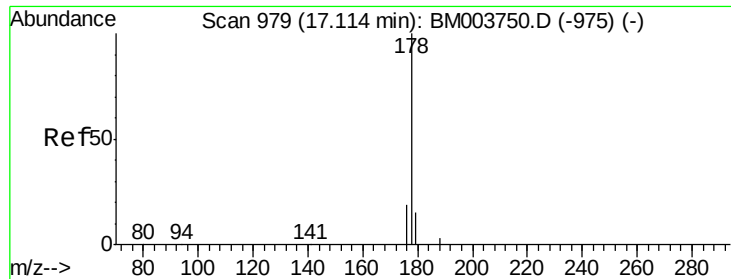


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

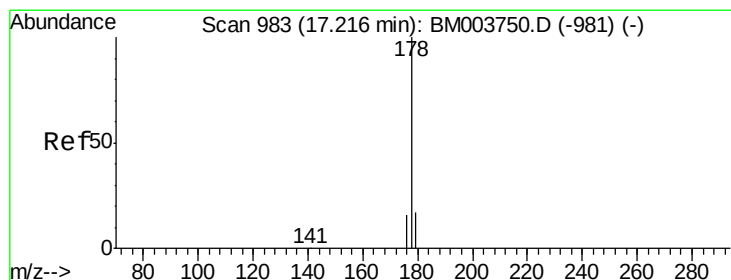
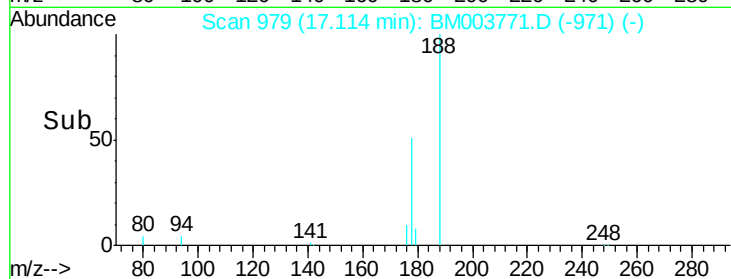
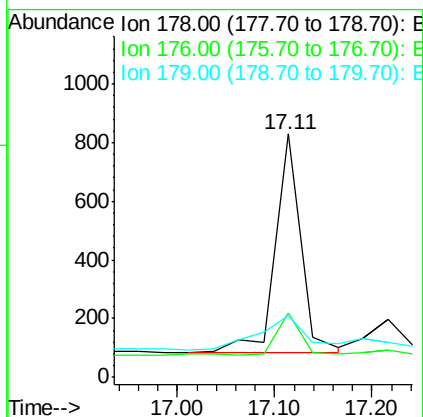
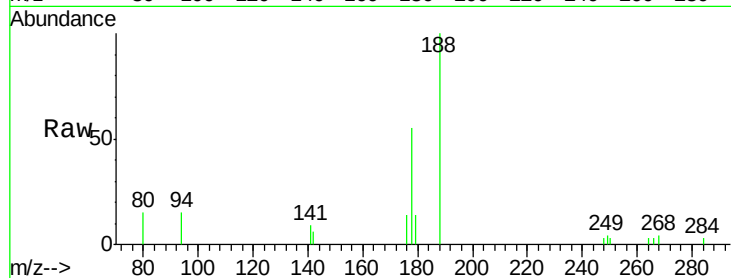




#23
Phenanthrene
Concen: Below Cal
RT: 17.11 min Scan# 979
Delta R.T. 0.00 min
Lab File: BM003771.D
Acq: 24 Dec 2015 10:12

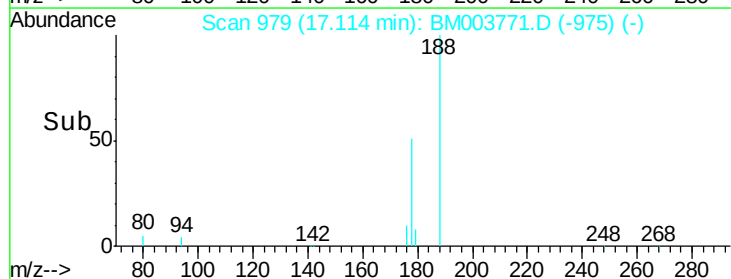
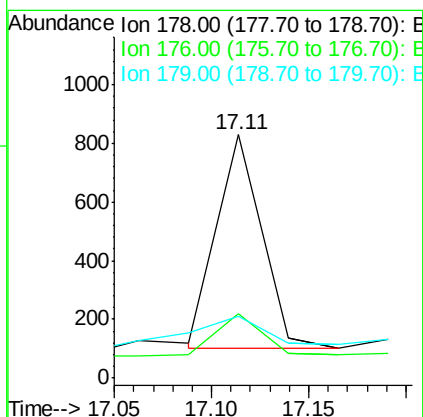
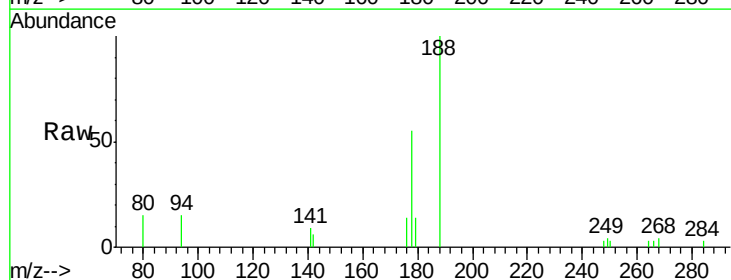
Instrument :
BNA_M
ClientSampleId :

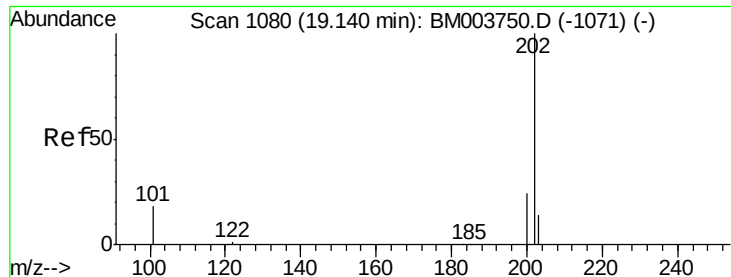
Tot Ion:178 Resp: 1376
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 30.7 12.2 18.4#



#24
Anthracene
Concen: 0.09 ng
RT: 17.11 min Scan# 979
Delta R.T. -0.10 min
Lab File: BM003771.D
Acq: 24 Dec 2015 10:12

Tgt Ion:178 Resp: 1175
Ion Ratio Lower Upper
178 100
176 20.3 14.6 21.8
179 18.6 12.6 19.0





#25

Fluoranthene

Concen: 0.11 ng

RT: 19.16 min Scan# 1081

Delta R.T. 0.02 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

Instrument :

BNA_M

ClientSampleId :

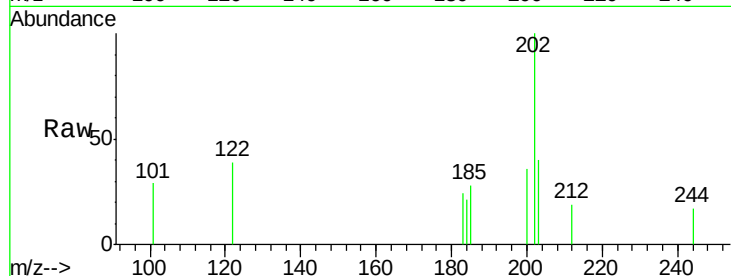
Tot Ion:202 Resp: 541

Ion Ratio Lower Upper

202 100

101 12.8 9.7 14.5

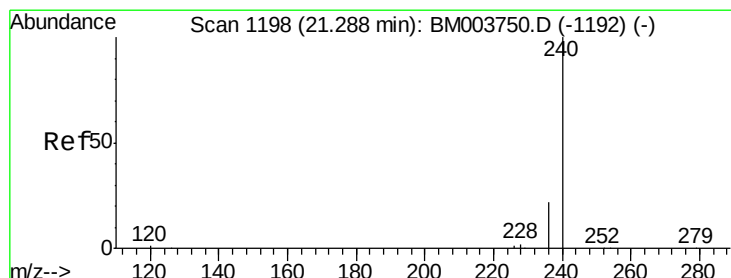
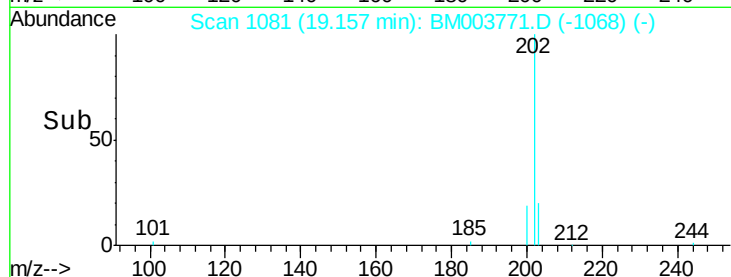
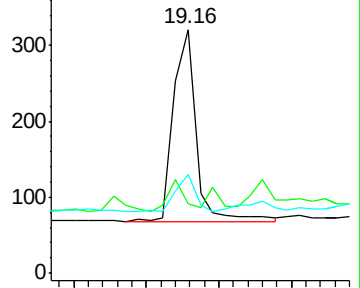
203 17.2 13.8 20.8



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: 21.29 min Scan# 1198

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

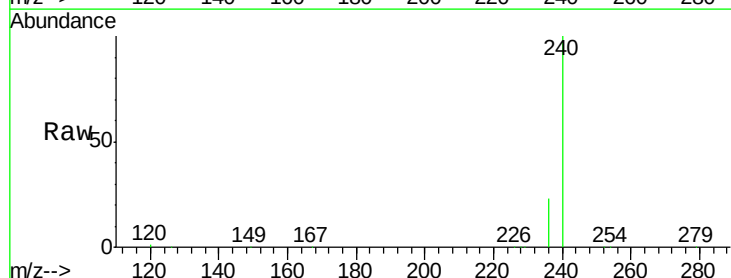
Tgt Ion:240 Resp: 199520

Ion Ratio Lower Upper

240 100

120 1.4 0.9 1.3#

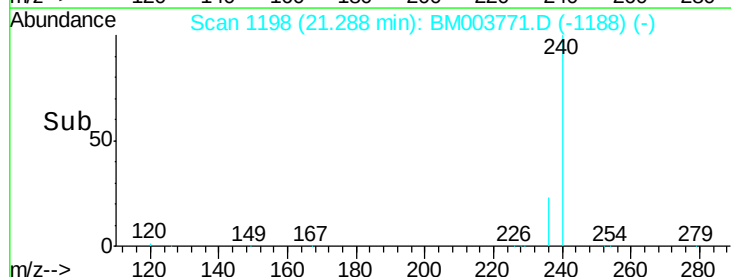
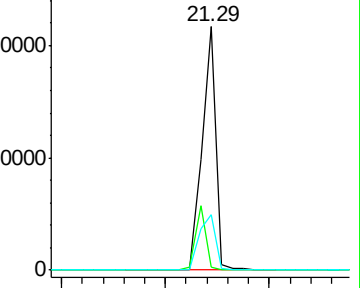
236 22.6 17.3 25.9

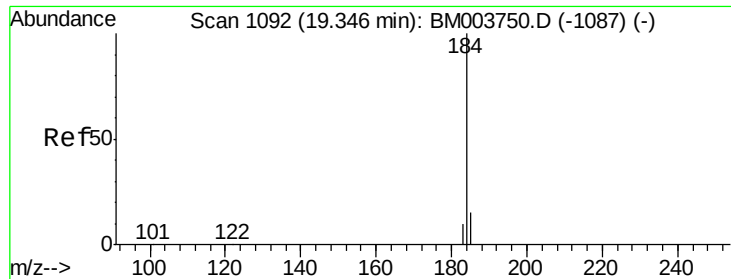


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.40 ng

RT: 19.71 min Scan# 1113

Delta R.T. 0.36 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

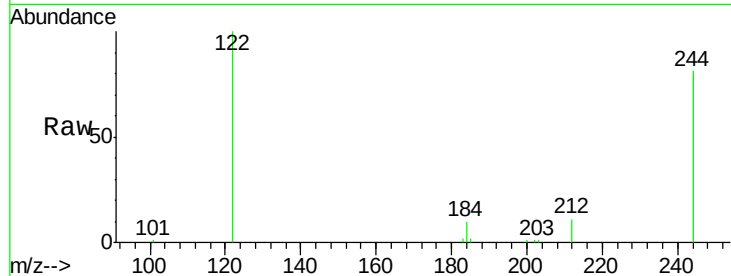
Instrument :

BNA_M

ClientSampleId :

Tot Ion:184 Resp: 3340

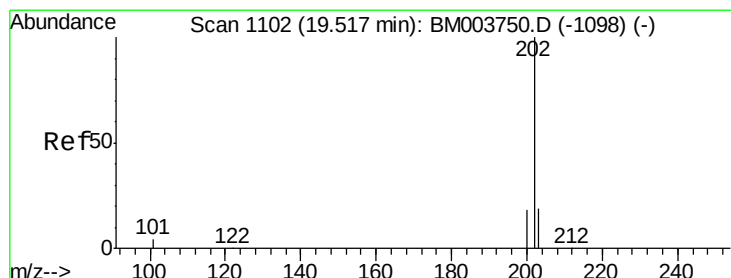
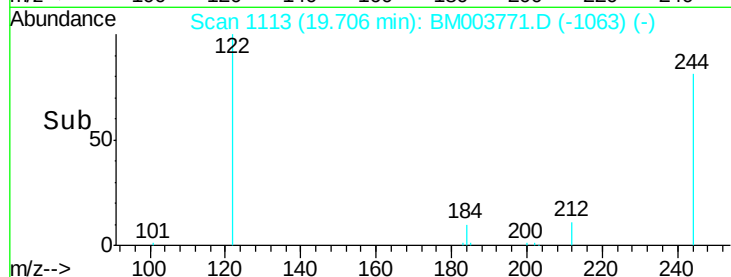
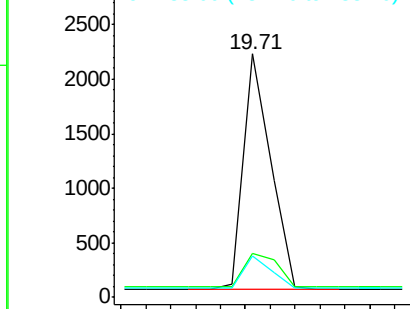
Ion	Ratio	Lower	Upper
184	100		
185	18.1	13.2	19.8
183	17.0	9.0	13.6



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



#28

Pyrene

Concen: Below Cal

RT: 19.52 min Scan# 1102

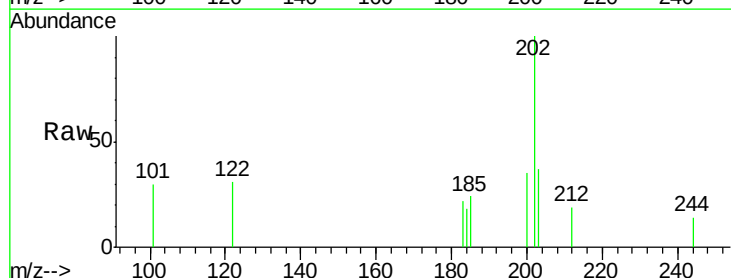
Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

Tgt Ion:202 Resp: 572

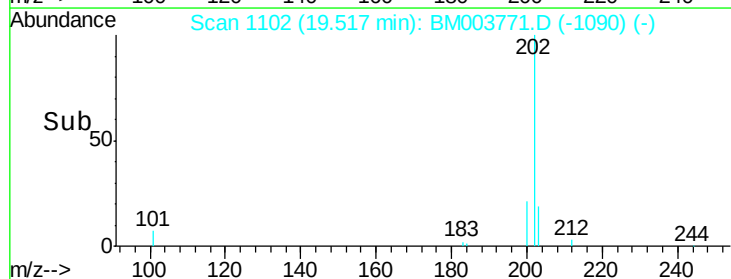
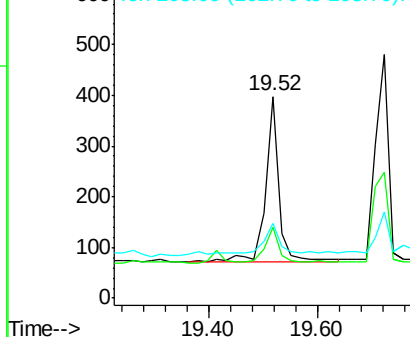
Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	24.5	14.0	21.0

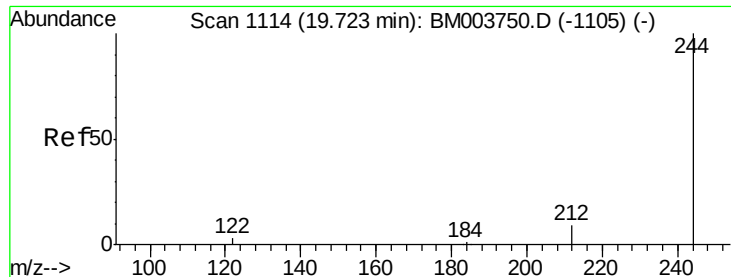


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 4.87 ng

RT: 19.72 min Scan# 1114

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

Instrument :

BNA_M

ClientSampleId :

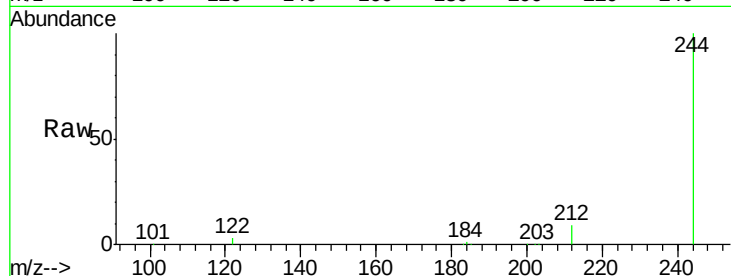
Tot Ion:244 Resp: 153717

Ion Ratio Lower Upper

244 100

212 9.1 7.0 10.6

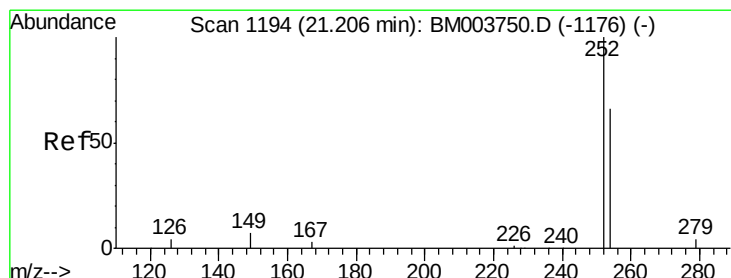
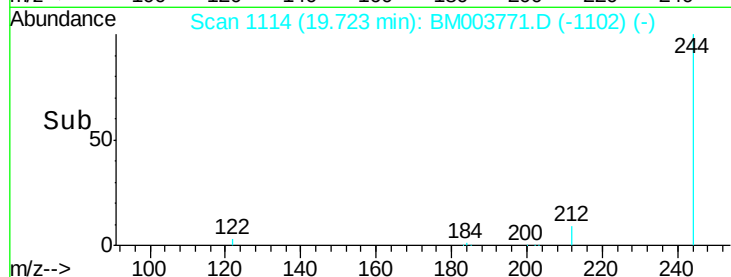
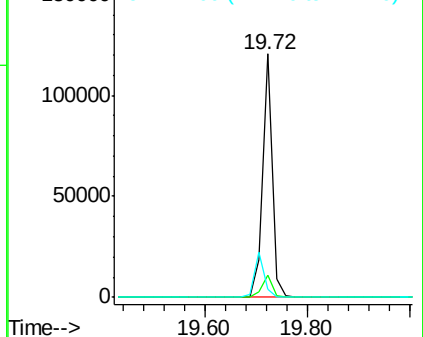
122 3.4 3.0 4.6



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



#31

3,3'-Dichlorobenzidine

Concen: 0.24 ng

RT: 21.00 min Scan# 1184

Delta R.T. -0.20 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

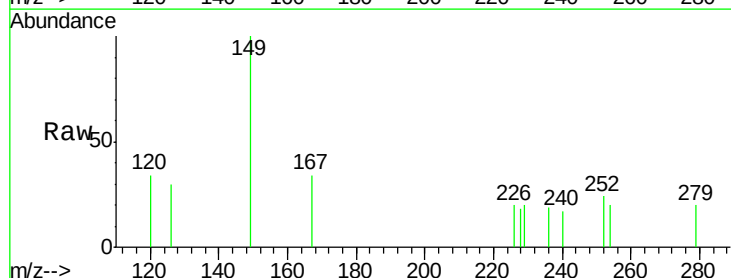
Tgt Ion:252 Resp: 17

Ion Ratio Lower Upper

252 100

254 85.6 52.6 79.0#

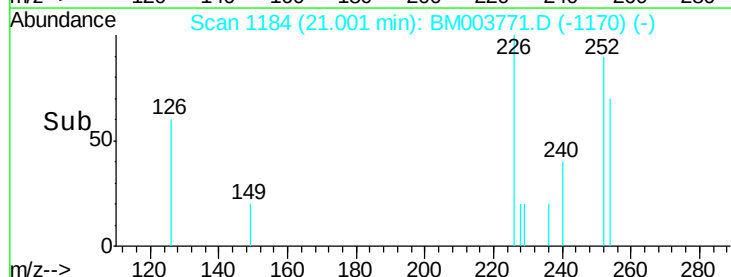
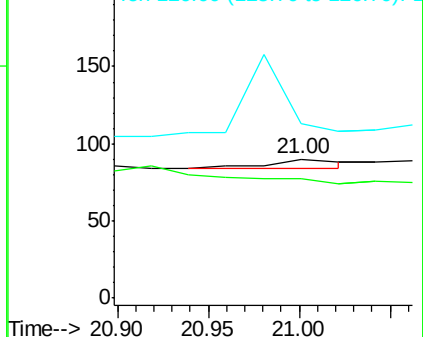
126 125.6 3.7 5.5#

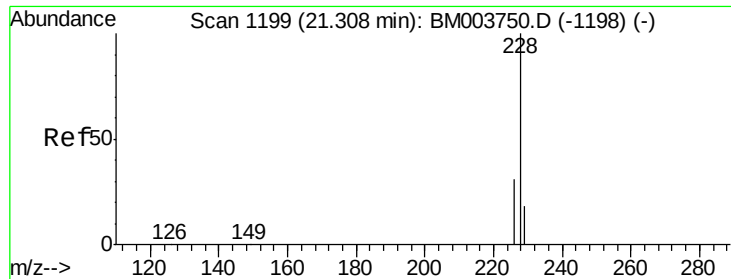


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. -0.04 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

Instrument :

BNA_M

ClientSampleId :

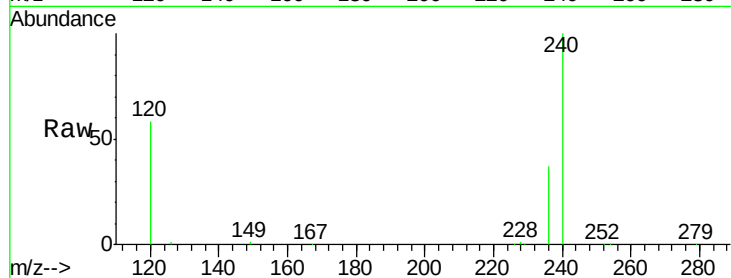
Tot Ion:228 Resp: 1519

Ion Ratio Lower Upper

228 100

226 25.3 25.3 37.9#

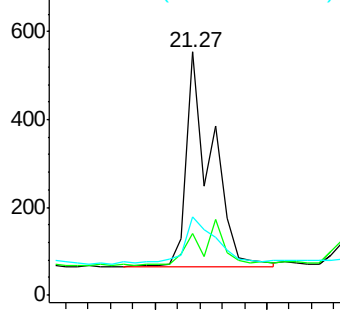
229 31.9 14.5 21.7#



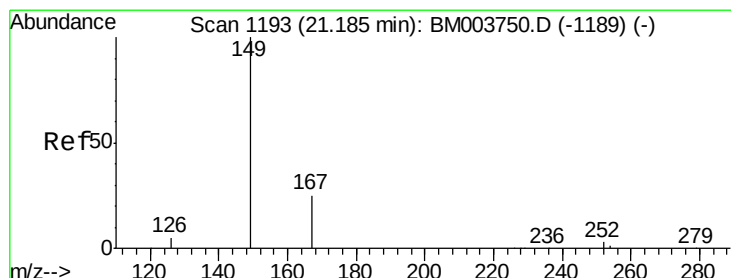
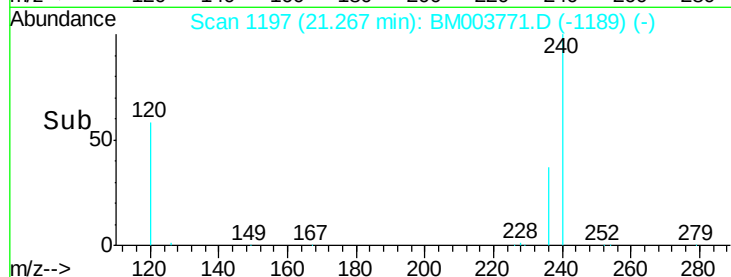
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.23 ng

RT: 21.19 min Scan# 1193

Delta R.T. 0.00 min

Lab File: BM003771.D

Acq: 24 Dec 2015 10:12

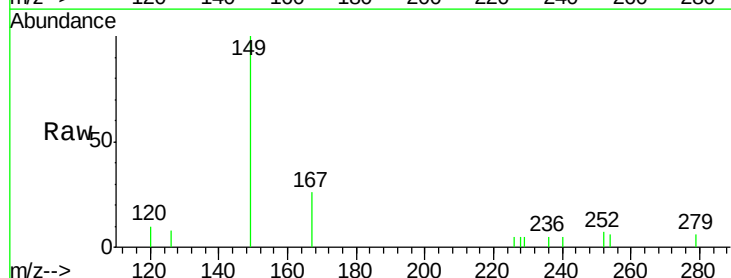
Tgt Ion:149 Resp: 1669

Ion Ratio Lower Upper

149 100

167 19.6 20.1 30.1#

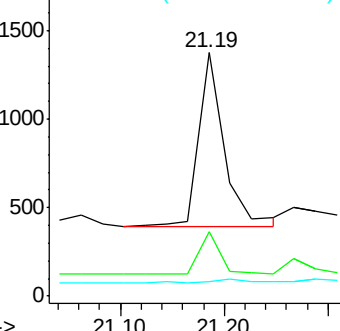
279 0.0 0.0 0.0



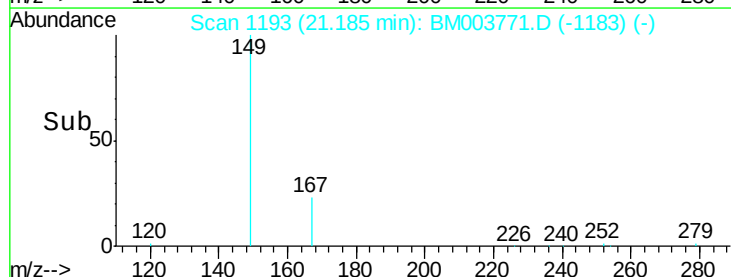
Abundance Ion 149.00 (148.70 to 149.70): E

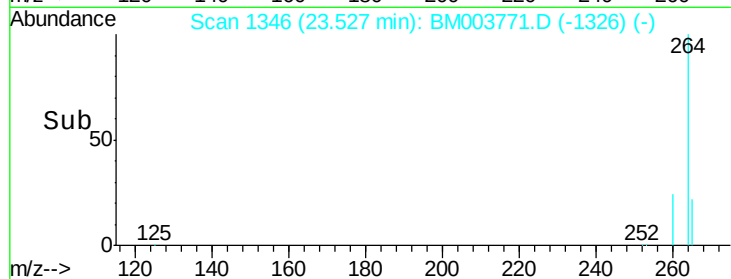
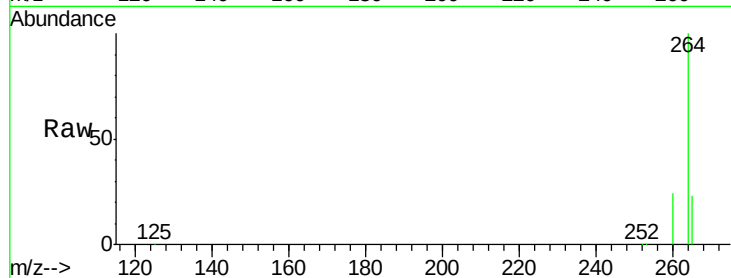
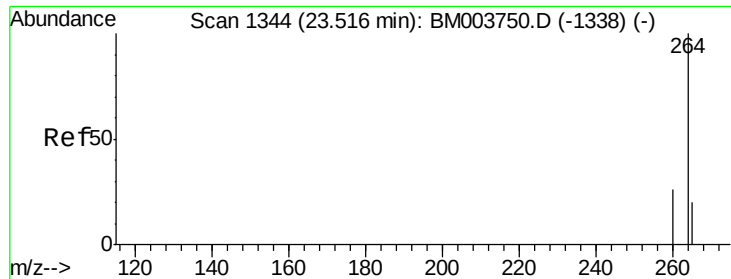
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#35
 Pervlene-d12
 Concen: 5.00 ng
 RT: 23.53 min Scan# 1346
 Delta R.T. 0.01 min
 Lab File: BM003771.D
 Acq: 24 Dec 2015 10:12

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	21.2	31.8
265	22.6	16.7	25.1

