

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022916\
 Data File : BM004498.D
 Acq On : 01 Mar 2016 09:17
 Operator : SJ/UM
 Sample : H1519-04
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 01 10:09:19 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 00:52:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	20533	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	78394	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	42329	5.00	ng	0.00
19) Phenanthrene-d10	17.01	188	90520	5.00	ng	0.00
26) Chrysene-d12	21.25	240	82667	5.00	ng	0.01
35) Perylene-d12	23.45	264	81247	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	8431	1.77	ng	0.00
5) Phenol-d6	6.83	99	5420	1.01	ng	0.02
8) Nitrobenzene-d5	8.78	82	13668	3.43	ng	0.00
14) 2,4,6-Tribromophenol	15.79	330	11575	7.12	ng	0.00
15) 2-Fluorobiphenyl	12.89	172	53104	4.10	ng	0.00
29) Terphenyl-d14	19.67	244	59207	5.56	ng	0.00

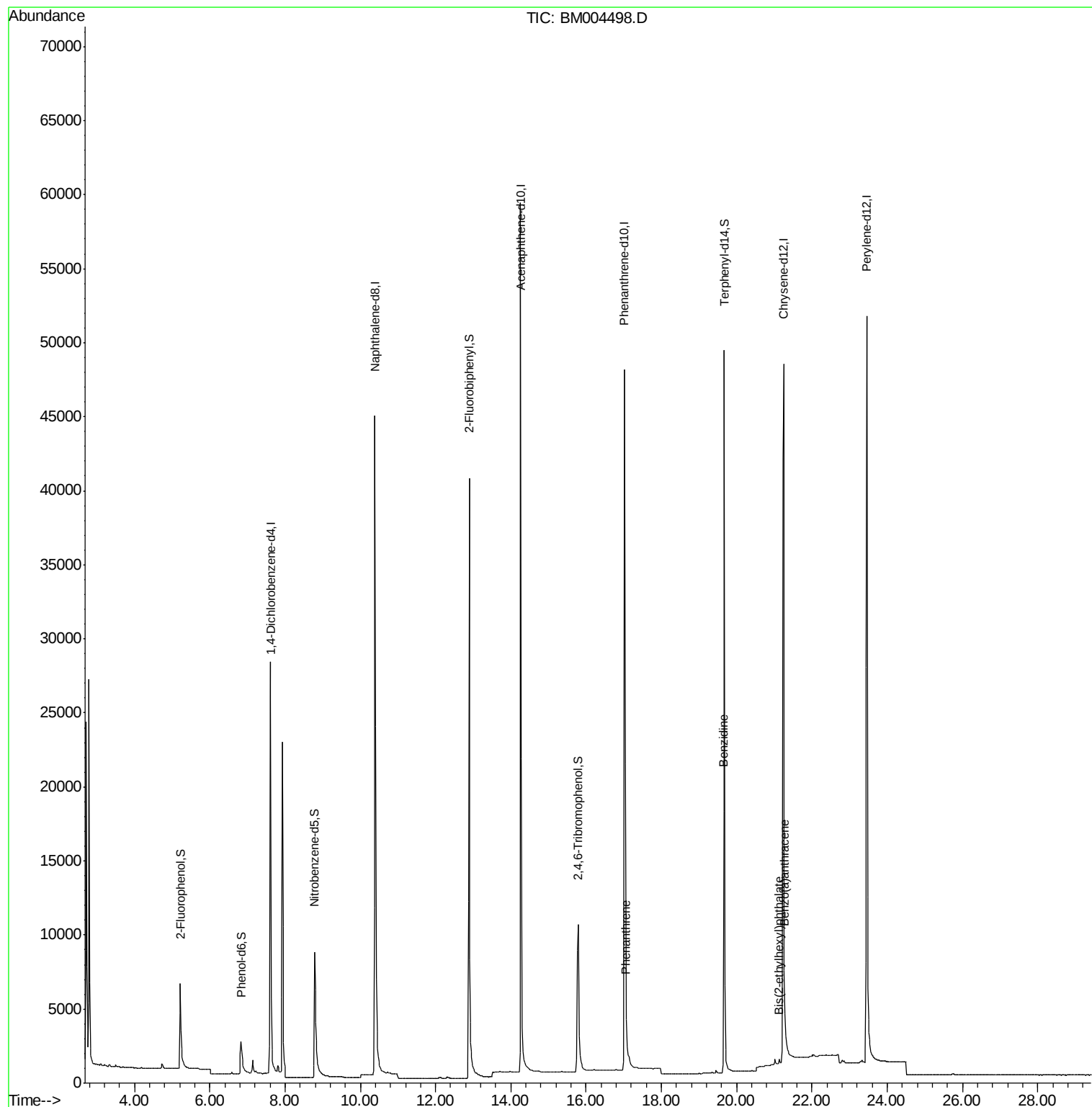
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	219	Below Cal	#	70
10) Naphthalene	10.44	128	142	Below Cal	#	1
20) 4-Bromophenyl-phenylether	16.22	248	9	Below Cal	#	87
22) Pentachlorophenol	16.76	266	20	Below Cal	#	70
23) Phenanthrene	17.06	178	173	0.02 ng	#	69
27) Benzdine	19.65	184	1289	0.42 ng	#	91
30) Benzo(a)anthracene	21.27	228	1820	0.06 ng	#	76
32) Chrysene	21.27	228	1928	Below Cal	#	78
33) Bis(2-ethylhexyl)phthalate	21.12	149	540	0.02 ng	#	48

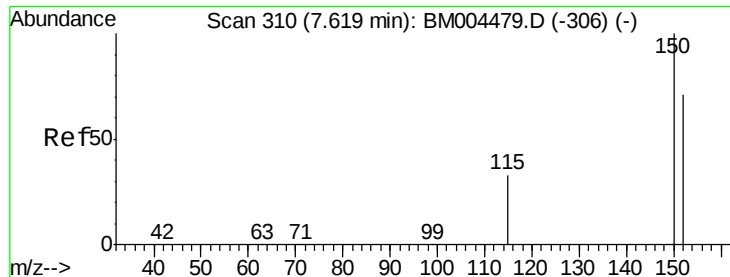
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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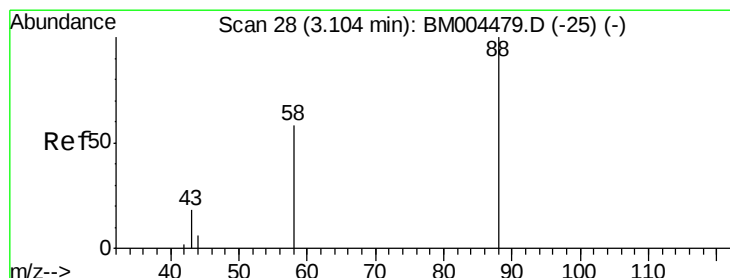
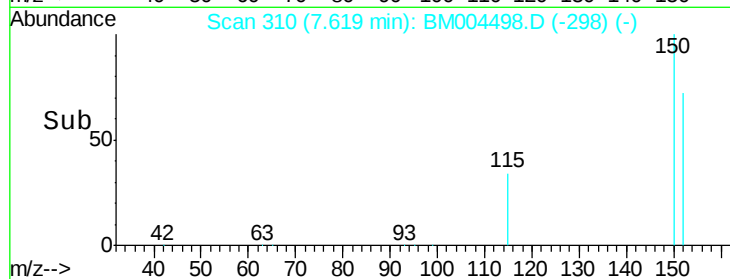
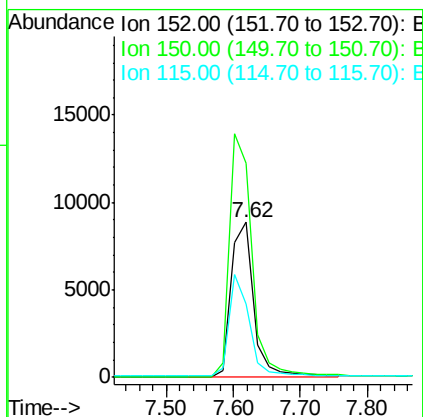
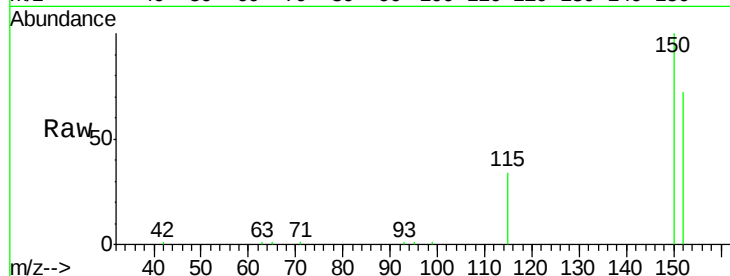


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 310
Delta R.T. -0.00 min
Lab File: BM004498.D
Acq: 01 Mar 2016 09:17

Instrument :
BNA_M
ClientSampleId :

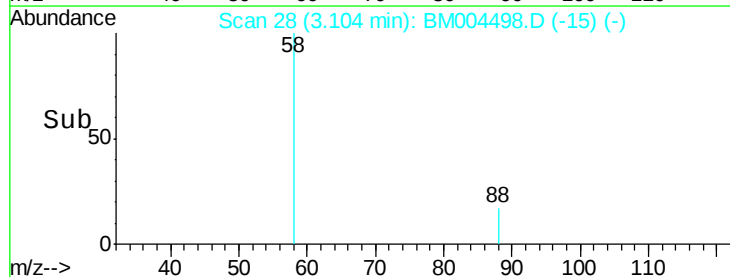
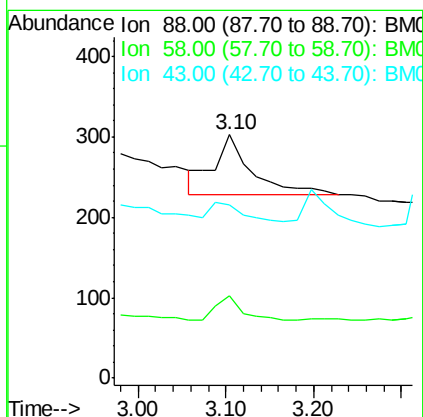
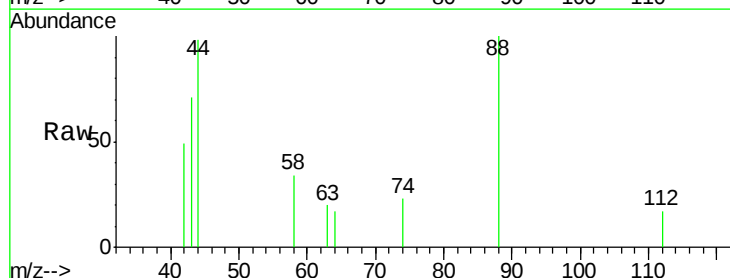
Tot Ion:152 Resp: 20533
Ion Ratio Lower Upper
152 100
150 138.3 111.9 167.9
115 46.9 37.7 56.5

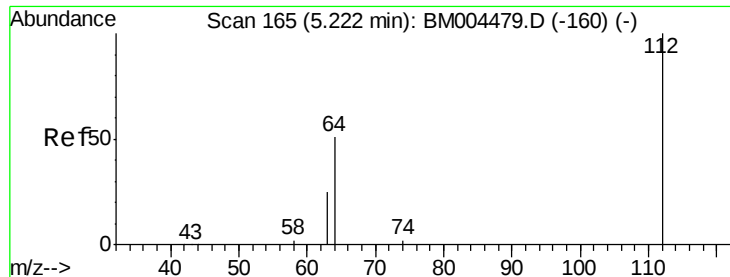


#2

1,4-Dioxane
Concen: Below Cal
RT: 3.10 min Scan# 28
Delta R.T. 0.00 min
Lab File: BM004498.D
Acq: 01 Mar 2016 09:17

Tgt Ion: 88 Resp: 219
Ion Ratio Lower Upper
88 100
58 26.0 45.4 68.0#
43 23.3 19.3 28.9





#4

2-Fluorophenol

Concen: 1.77 ng

RT: 5.22 min Scan# 165

Delta R.T. -0.00 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

Instrument :

BNA_M

ClientSampleId :

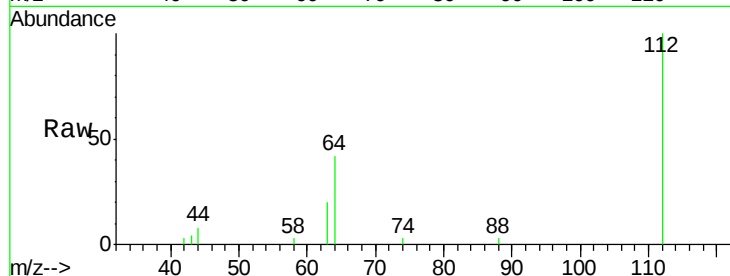
Tot Ion:112 Resp: 8431

Ion Ratio Lower Upper

112 100

64 49.1 39.6 59.4

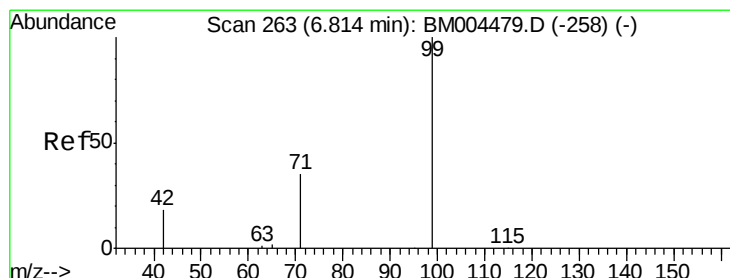
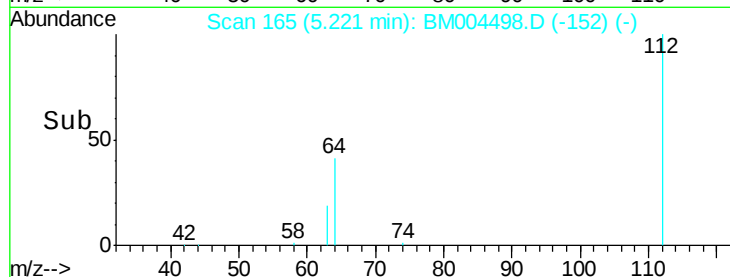
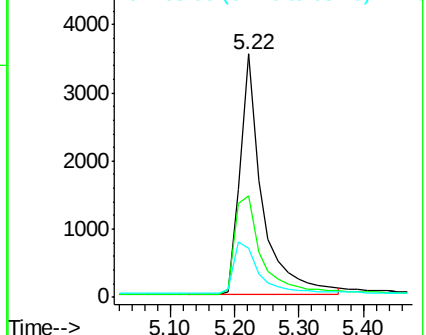
63 24.9 20.0 30.0



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: 1.01 ng

RT: 6.83 min Scan# 264

Delta R.T. 0.02 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

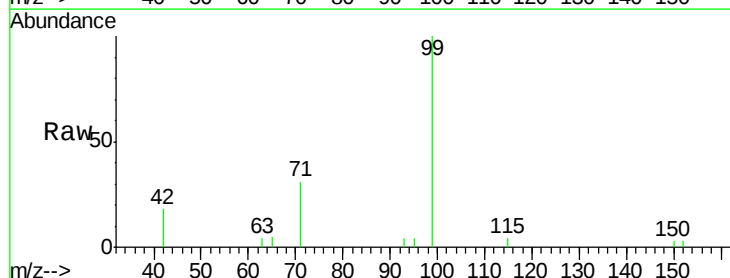
Tgt Ion: 99 Resp: 5420

Ion Ratio Lower Upper

99 100

42 15.3 12.2 18.2

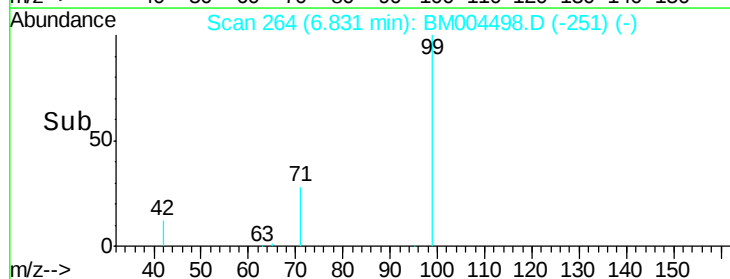
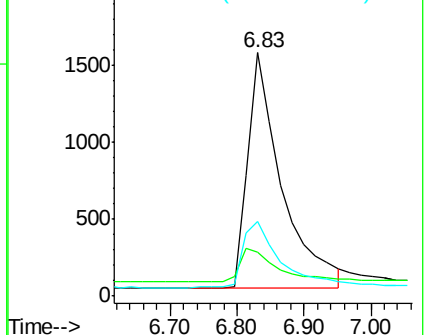
71 30.8 23.4 35.2

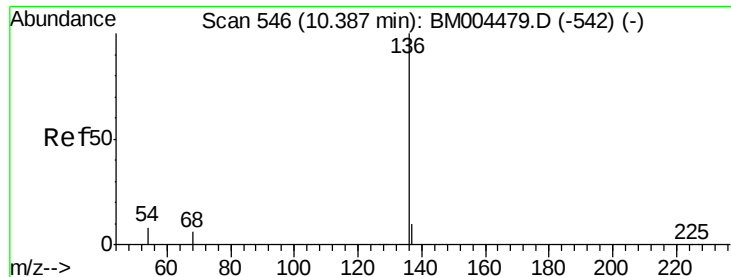


Abundance Ion 99.00 (98.70 to 99.70): B

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: 10.39 min Scan# 547

Delta R.T. 0.00 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

Instrument :

BNA_M

ClientSampled :

Tot Ion:136 Resp: 78394

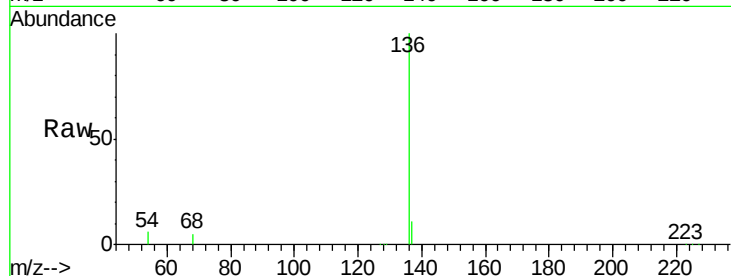
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.2

54 6.2 6.4 9.6#

68 5.0 5.0 7.4

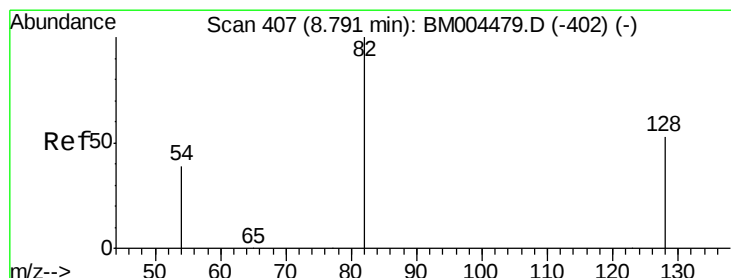
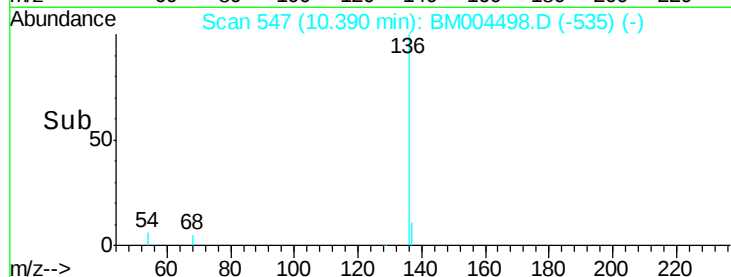
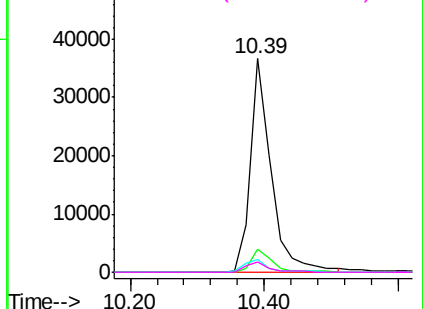


Abundance Ion 136.00 (135.70 to 136.70): E

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: 3.43 ng

RT: 8.78 min Scan# 407

Delta R.T. -0.01 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

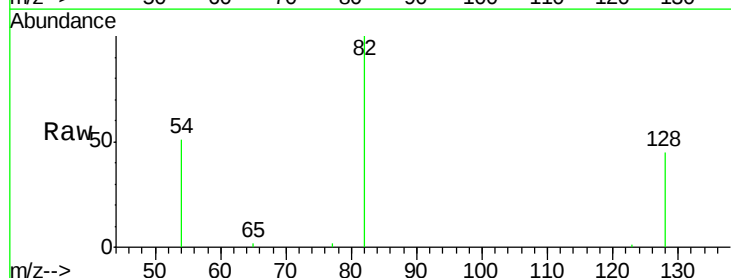
Tgt Ion: 82 Resp: 13668

Ion Ratio Lower Upper

82 100

128 44.7 43.7 65.5

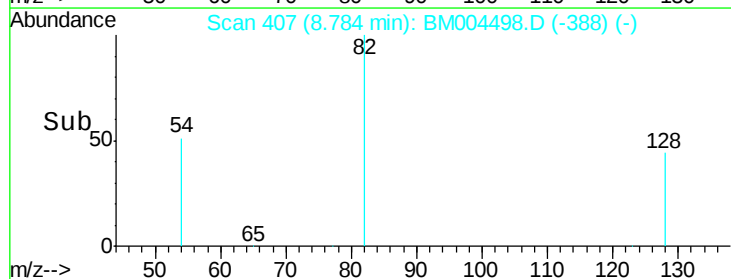
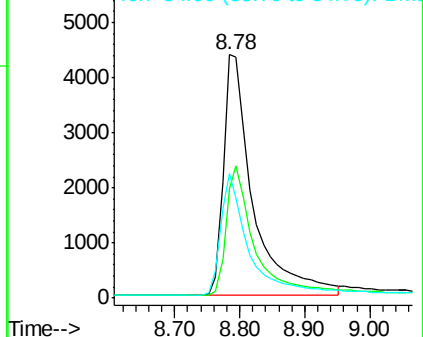
54 51.3 33.5 50.3#

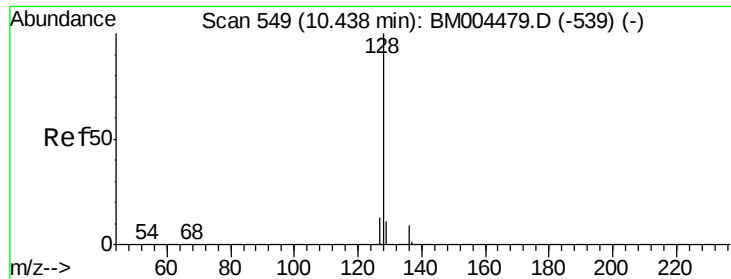


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

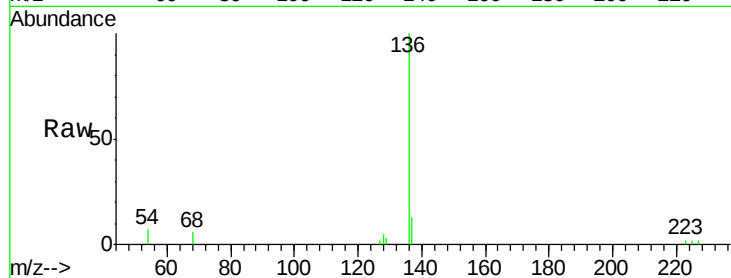




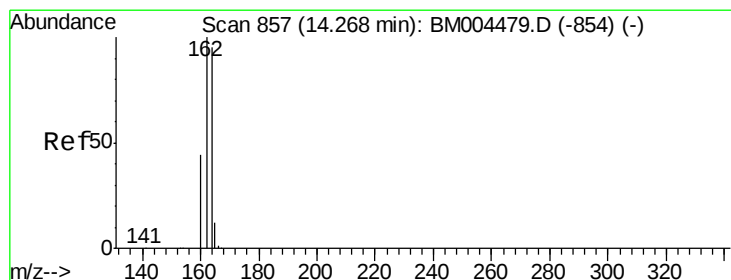
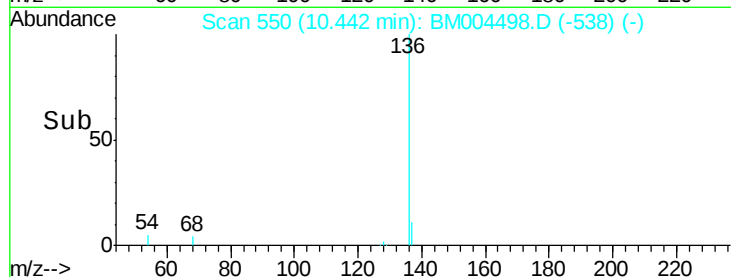
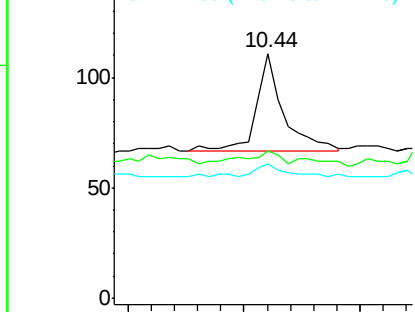
#10
Naphthalene
Concen: Below Cal
RT: 10.44 min Scan# 550
Delta R.T. 0.00 min
Lab File: BM004498.D
Acq: 01 Mar 2016 09:17

Instrument :
BNA_M
ClientSampleId :

Tot Ion:128 Resp: 142
Ion Ratio Lower Upper
128 100
129 60.4 8.9 13.3#
127 55.0 10.9 16.3#

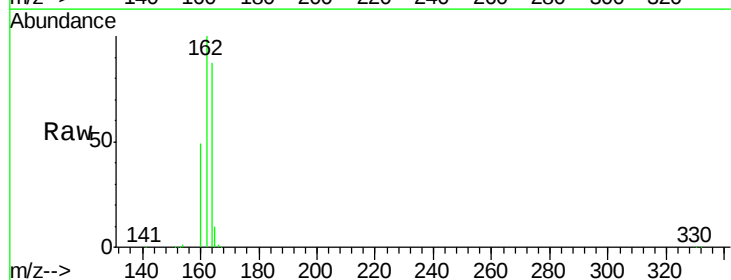


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

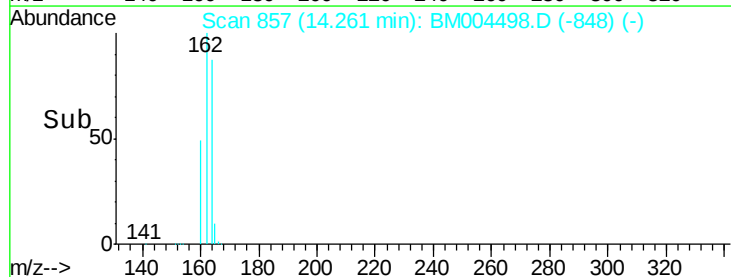
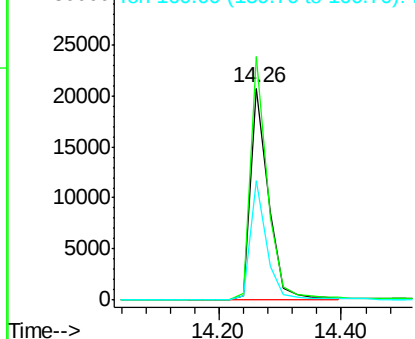


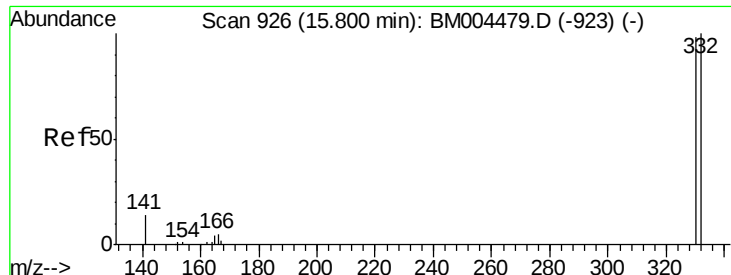
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.01 min
Lab File: BM004498.D
Acq: 01 Mar 2016 09:17

Tgt Ion:164 Resp: 42329
Ion Ratio Lower Upper
164 100
162 115.1 84.2 126.4
160 56.4 37.4 56.2#



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

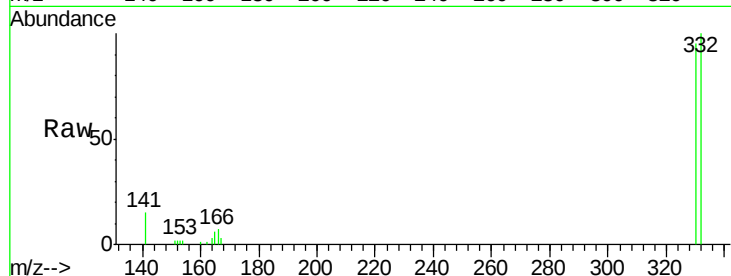




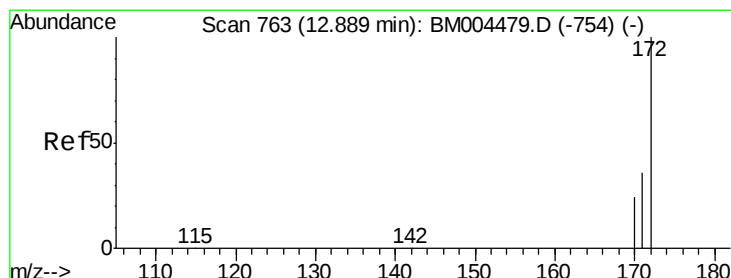
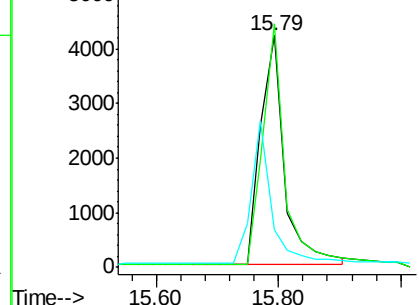
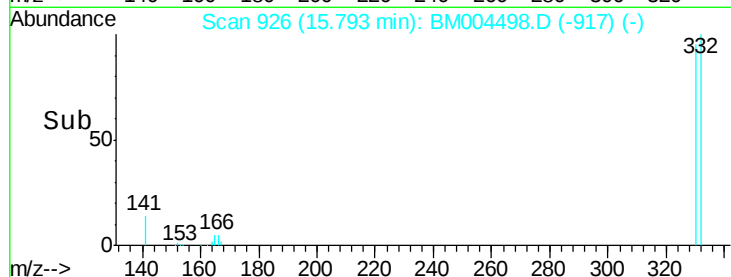
#14
 2,4,6-Tribromophenol
 Concen: 7.12 ng
 RT: 15.79 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: BM004498.D
 Acq: 01 Mar 2016 09:17

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 11575
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.1 114.1
 141 0.0 0.0 0.0

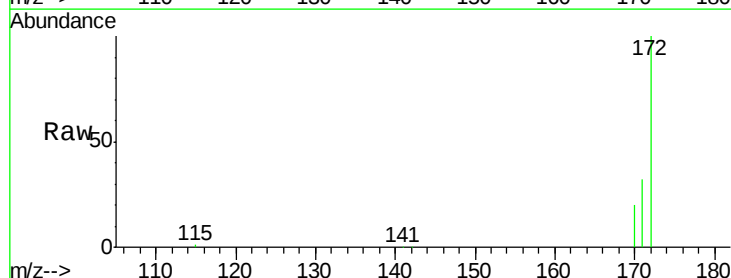


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

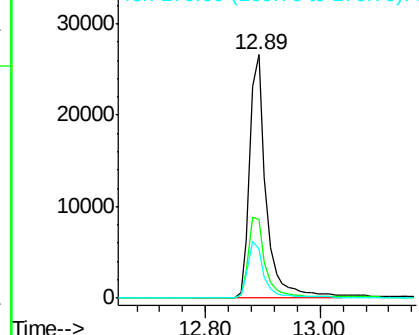
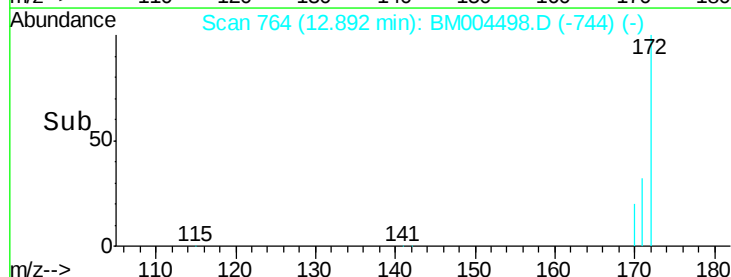


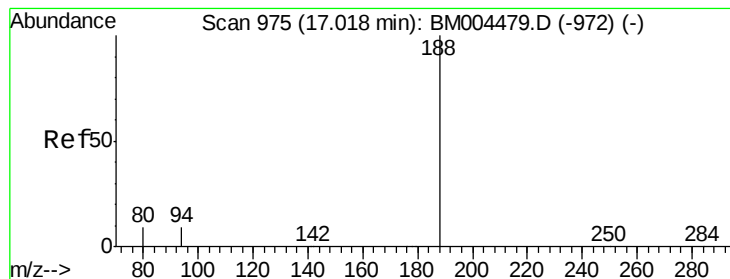
#15
 2-Fluorobiphenyl
 Concen: 4.10 ng
 RT: 12.89 min Scan# 764
 Delta R.T. 0.00 min
 Lab File: BM004498.D
 Acq: 01 Mar 2016 09:17

Tgt Ion:172 Resp: 53104
 Ion Ratio Lower Upper
 172 100
 171 32.5 29.2 43.8
 170 19.9 19.7 29.5



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





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 975

Delta R.T. -0.01 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

Instrument :

BNA_M

ClientSampleId :

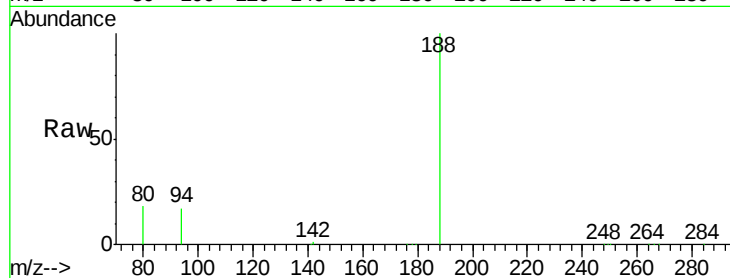
Tot Ion:188 Resp: 90520

Ion Ratio Lower Upper

188 100

94 17.4 7.4 11.0#

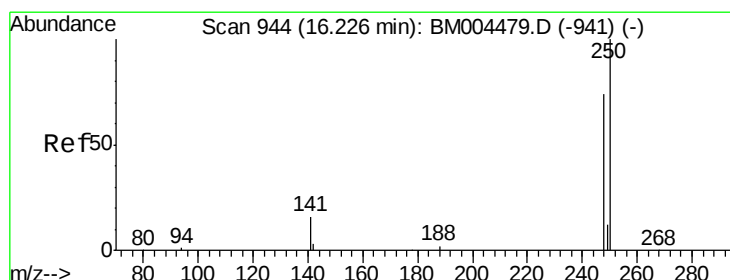
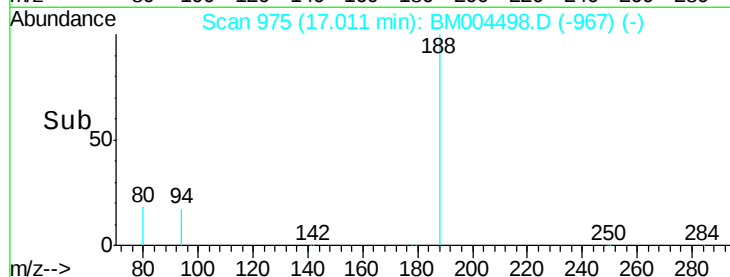
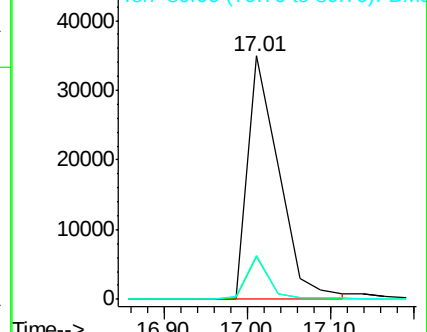
80 17.9 6.9 10.3#



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: 16.22 min Scan# 944

Delta R.T. -0.01 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

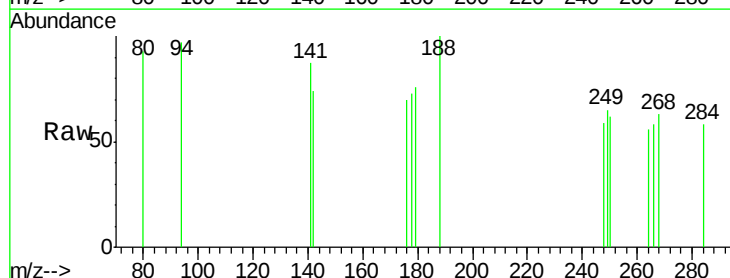
Tgt Ion:248 Resp: 9

Ion Ratio Lower Upper

248 100

250 88.9 81.5 122.3

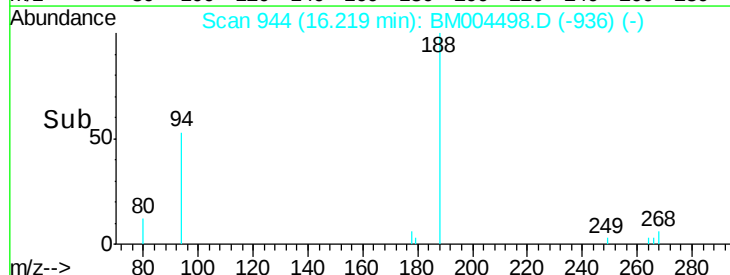
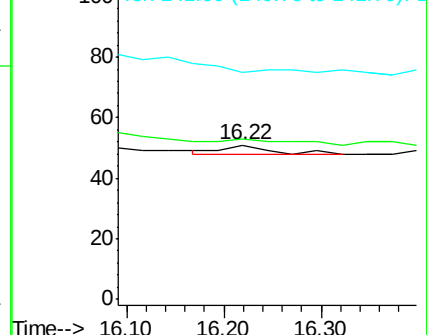
141 0.0 0.0 0.0

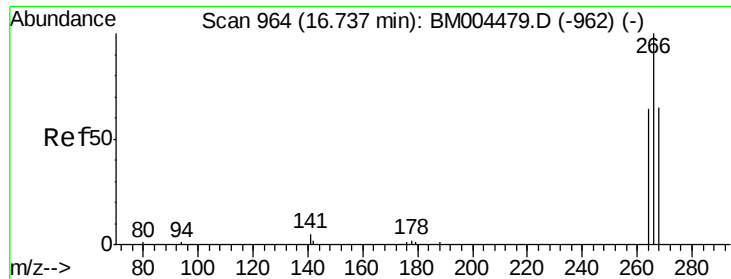


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: Below Cal

RT: 16.76 min Scan# 965

Delta R.T. 0.02 min

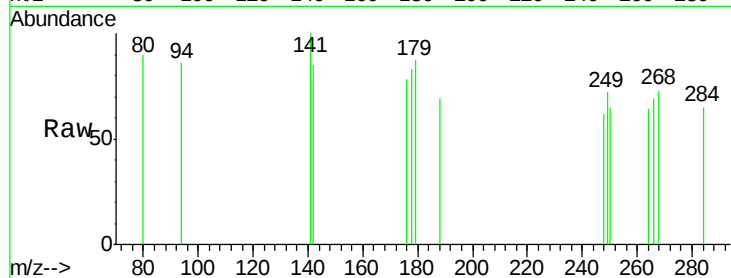
Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

Instrument :

BNA_M

ClientSampleId :



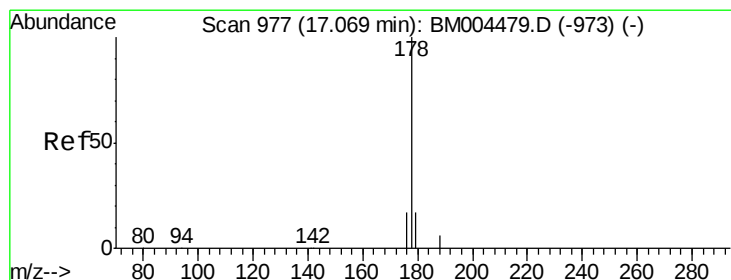
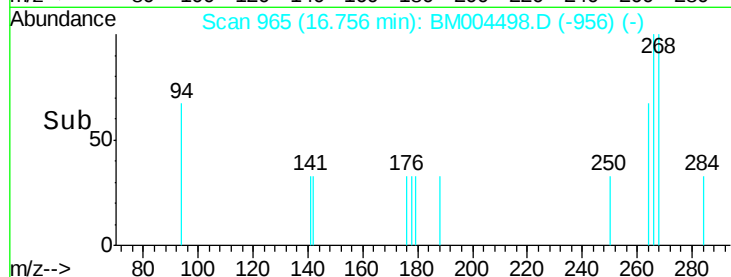
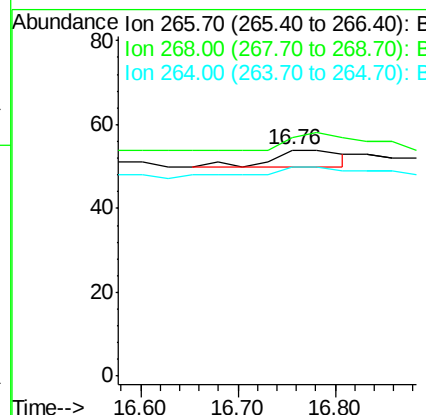
Tot Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

268 105.6 60.7 91.1#

264 92.6 57.1 85.7#



#23

Phenanthrene

Concen: 0.02 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

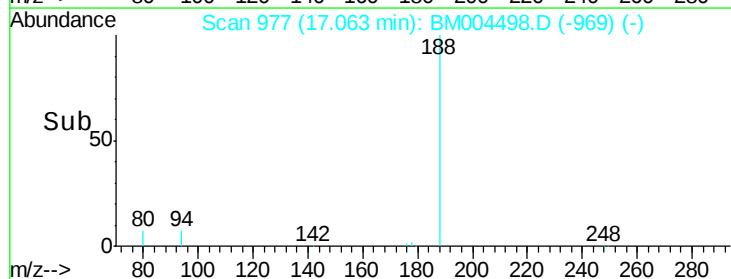
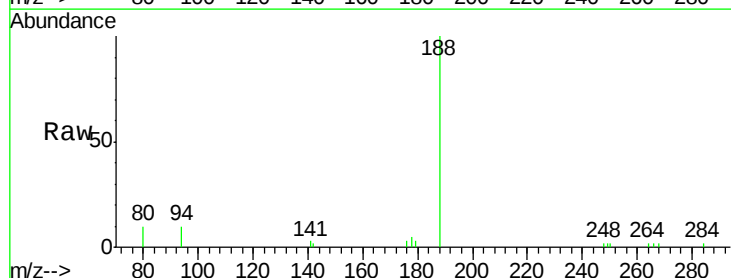
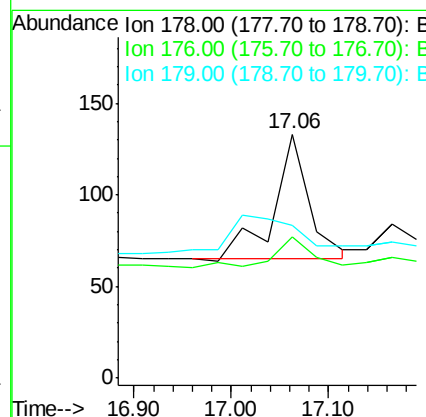
Tgt Ion:178 Resp: 173

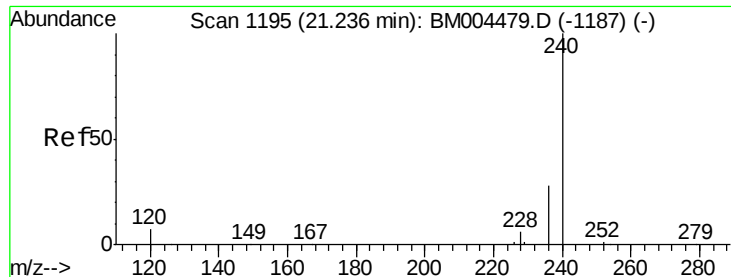
Ion Ratio Lower Upper

178 100

176 29.5 14.7 22.1#

179 0.0 12.9 19.3#

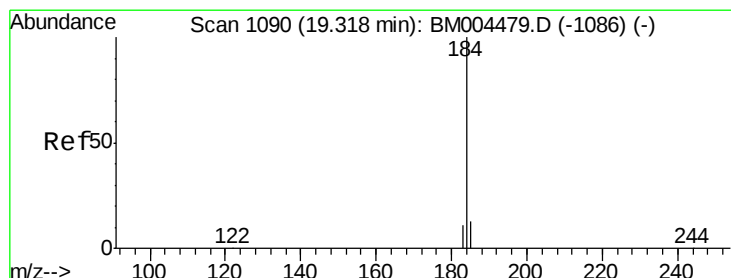
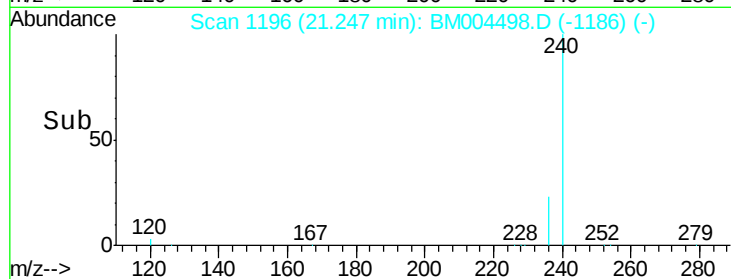
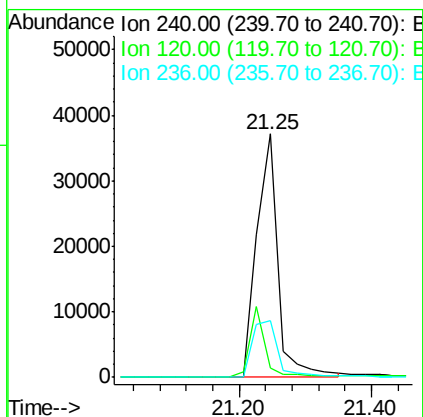
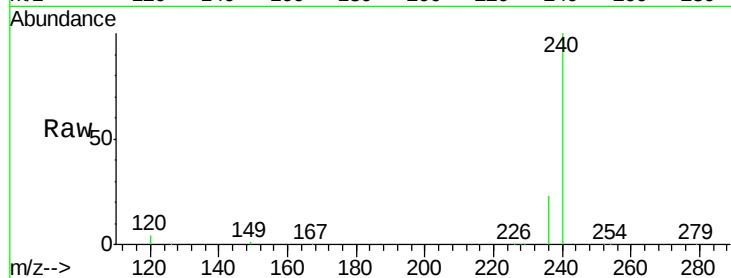




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM004498.D
Acq: 01 Mar 2016 09:17

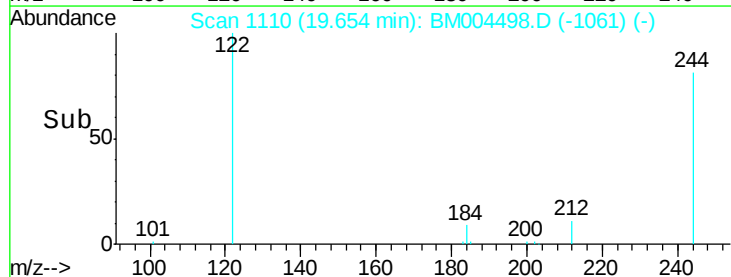
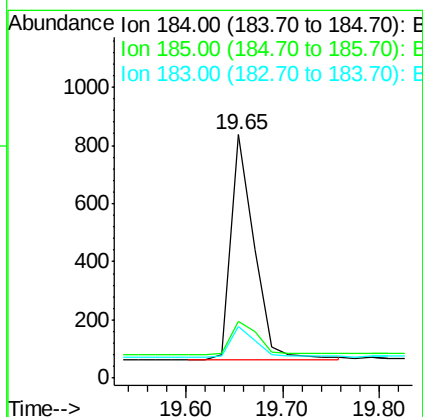
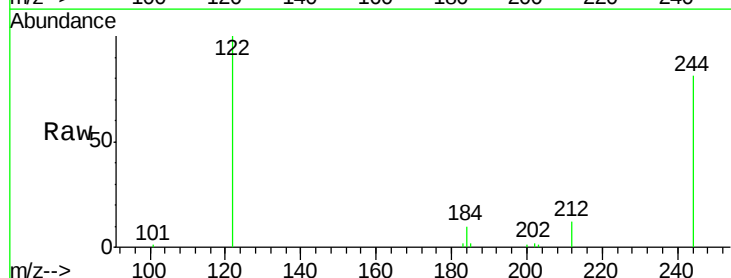
Instrument :
BNA_M
ClientSampleId :

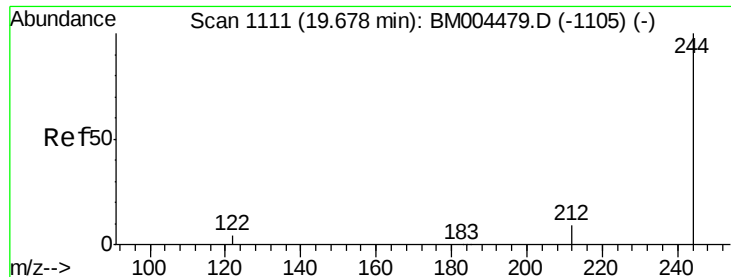
Tot Ion:240 Resp: 82667
Ion Ratio Lower Upper
240 100
120 3.8 6.1 9.1#
236 23.4 22.6 34.0



#27
Benzidine
Concen: 0.42 ng
RT: 19.65 min Scan# 1110
Delta R.T. 0.34 min
Lab File: BM004498.D
Acq: 01 Mar 2016 09:17

Tgt Ion:184 Resp: 1289
Ion Ratio Lower Upper
184 100
185 23.1 16.6 24.8
183 21.3 12.3 18.5#





#29

Terphenyl-d14

Concen: 5.56 ng

RT: 19.67 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

Instrument :

BNA_M

ClientSampled :

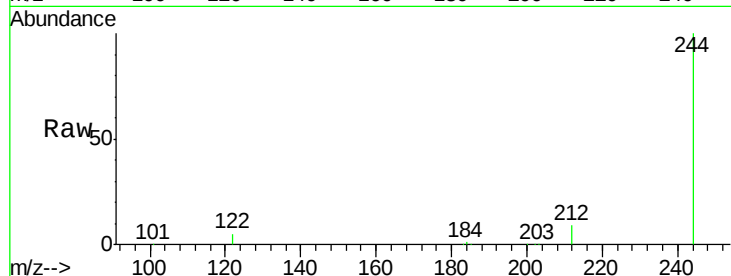
Tot Ion:244 Resp: 59207

Ion Ratio Lower Upper

244 100

212 9.4 7.5 11.3

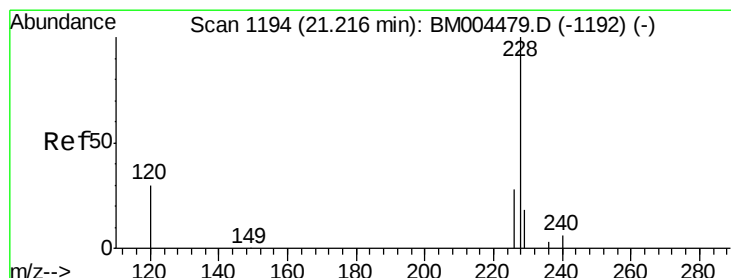
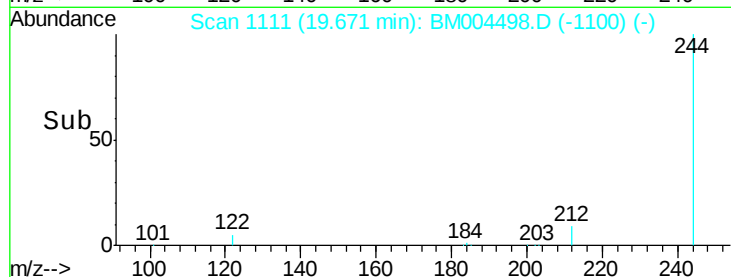
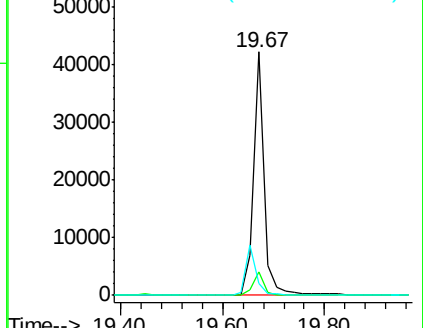
122 4.7 4.2 6.2



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



#30

Benzo(a)anthracene

Concen: 0.06 ng

RT: 21.27 min Scan# 1197

Delta R.T. 0.05 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

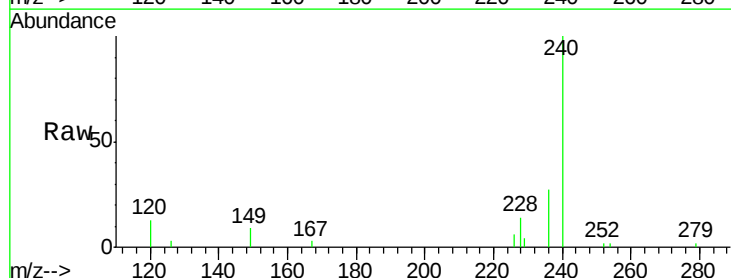
Tgt Ion:228 Resp: 1820

Ion Ratio Lower Upper

228 100

226 41.3 22.8 34.2#

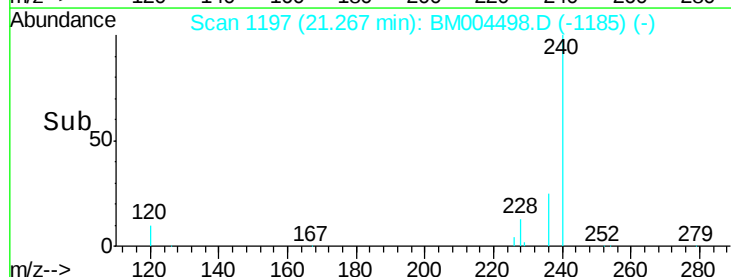
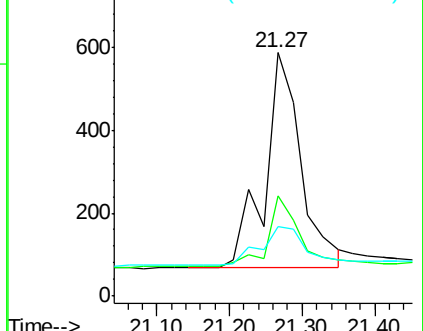
229 28.6 14.6 22.0#

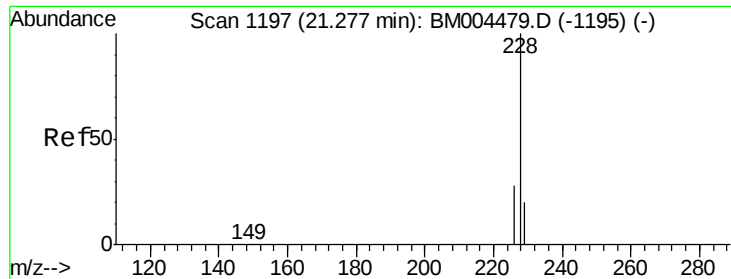


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. -0.01 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

Instrument :

BNA_M

ClientSampleId :

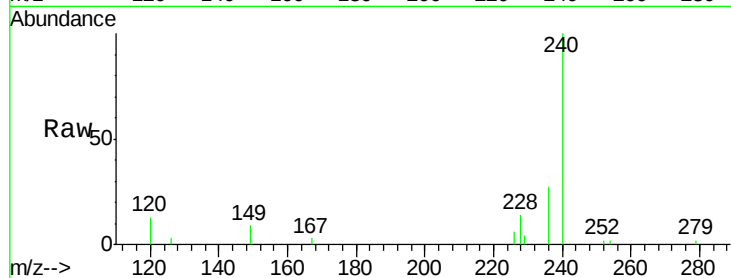
Tot Ion:228 Resp: 1928

Ion Ratio Lower Upper

228 100

226 41.3 21.4 32.2#

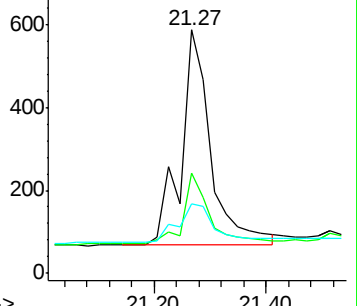
229 28.6 17.1 25.7#



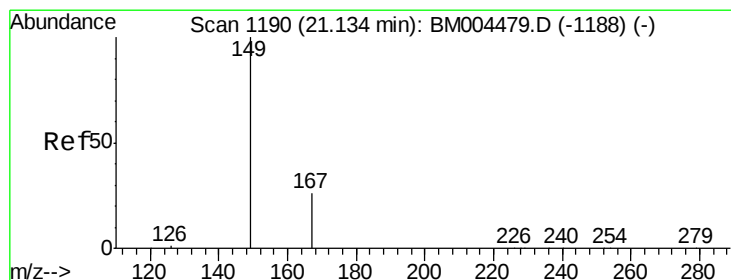
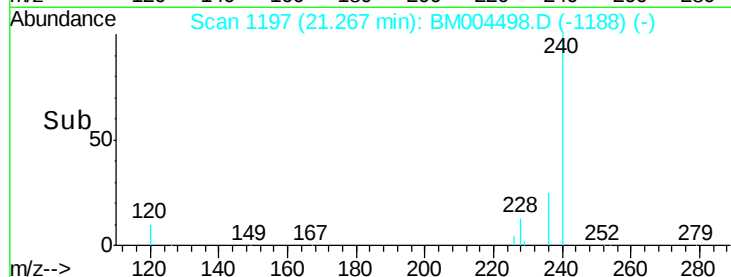
Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.02 ng

RT: 21.12 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

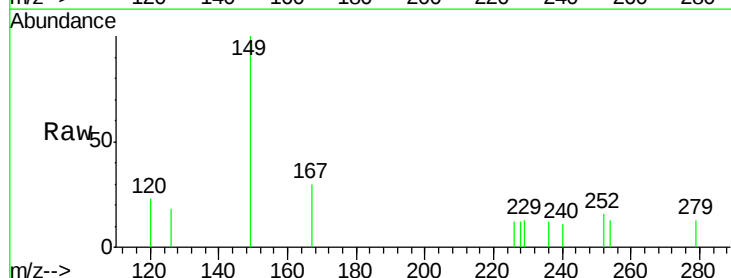
Tgt Ion:149 Resp: 540

Ion Ratio Lower Upper

149 100

167 0.0 21.2 31.8#

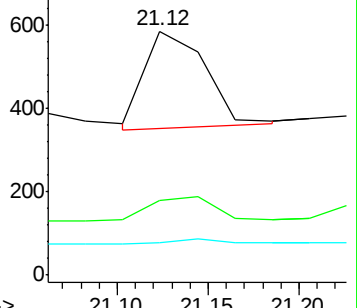
279 0.0 0.0 0.0



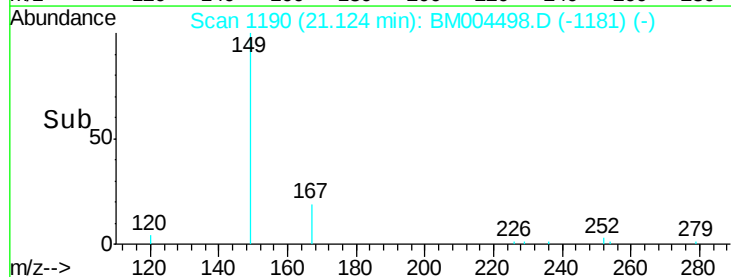
Abundance Ion 149.00 (148.70 to 149.70): E

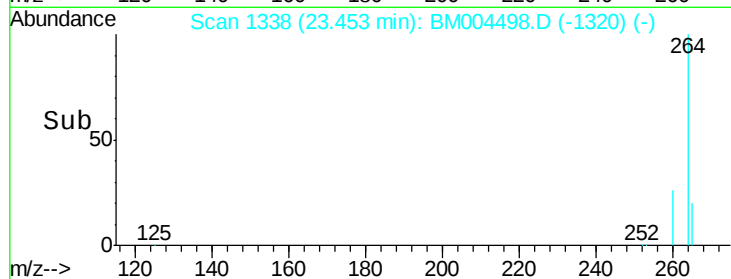
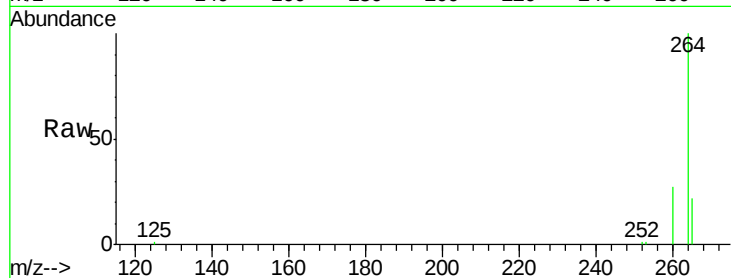
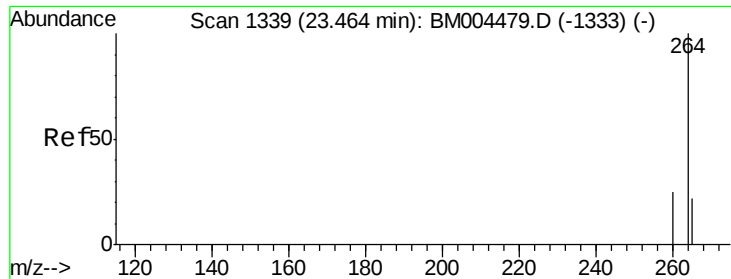
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#35

Pervlene-d12

Concen: 5.00 ng

RT: 23.45 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM004498.D

Acq: 01 Mar 2016 09:17

Instrument :

BNA_M

ClientSampleId :

Tot Ion:264 Resp: 81247

Ion Ratio Lower Upper

264 100

260 26.6 19.8 29.6

265 21.8 18.9 28.3

