

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022916\
 Data File : BM004497.D
 Acq On : 01 Mar 2016 08:41
 Operator : SJ/UM
 Sample : H1519-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 01 10:09:08 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	21976	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	81513	5.00	ng	0.00
13) Acenaphthene-d10	14.27	164	39177	5.00	ng	0.00
19) Phenanthrene-d10	17.02	188	86531	5.00	ng	0.00
26) Chrysene-d12	21.24	240	65813	5.00	ng	0.00
35) Perylene-d12	23.45	264	62312	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	9626	1.88	ng	0.00
5) Phenol-d6	6.81	99	6058	1.05	ng	0.00
8) Nitrobenzene-d5	8.78	82	17349	4.18	ng	-0.01
14) 2,4,6-Tribromophenol	15.78	330	5331	3.54	ng	-0.02
15) 2-Fluorobiphenyl	12.89	172	52916	4.41	ng	0.00
29) Terphenyl-d14	19.66	244	36146	4.27	ng	-0.02

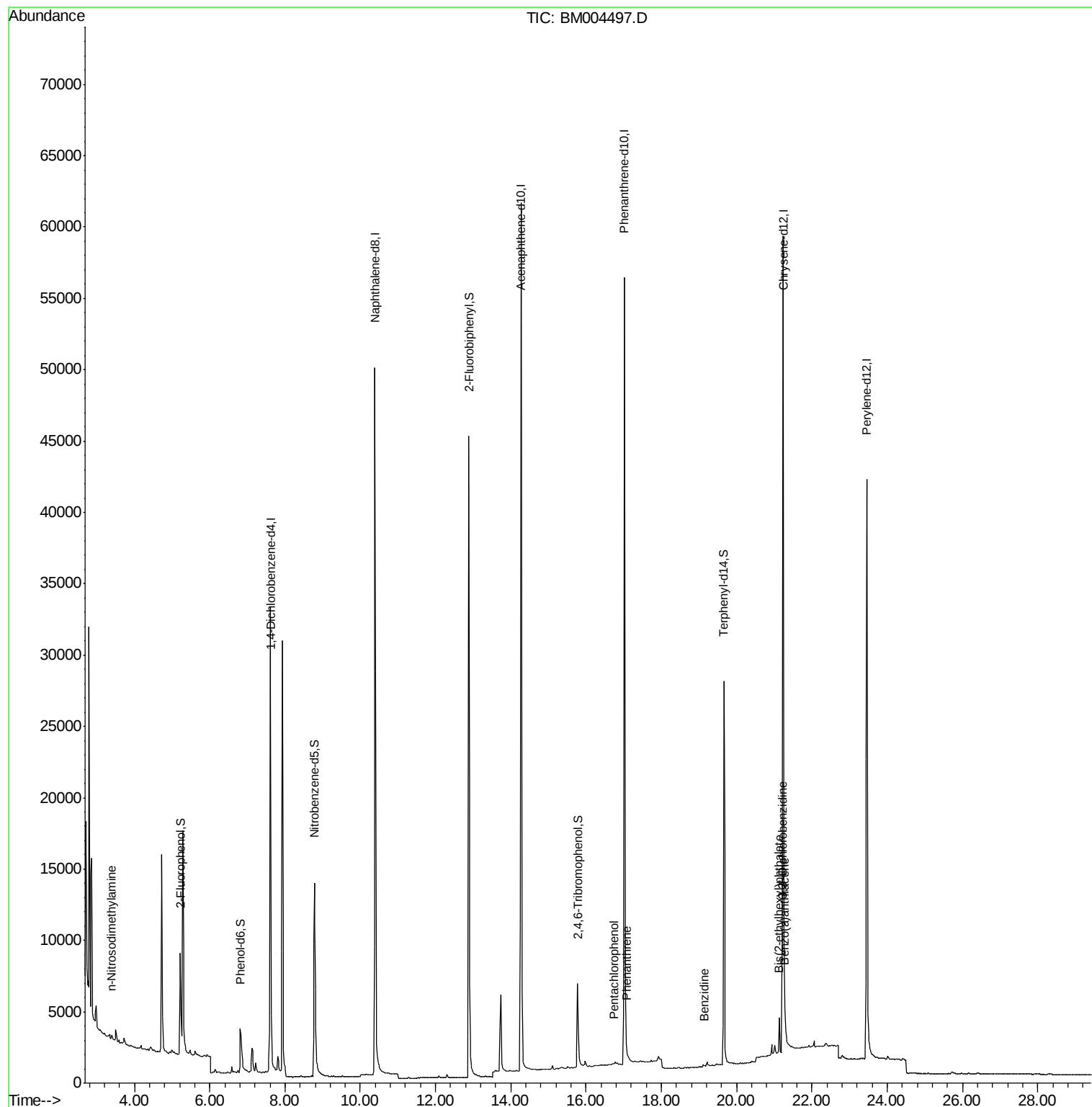
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.10	88	97	Below Cal	#	31
3) n-Nitrosodimethylamine	3.40	42	70	0.03 ng	#	1
10) Naphthalene	10.44	128	663	Below Cal	#	37
20) 4-Bromophenyl-phenylether	16.20	248	5	Below Cal	#	1
22) Pentachlorophenol	16.74	266	100	0.05 ng	#	73
23) Phenanthrene	17.07	178	293	0.03 ng	#	71
27) Benzdine	19.13	184	33	0.33 ng	#	1
30) Benzo(a)anthracene	21.28	228	1827	0.08 ng	#	78
31) 3,3'-Dichlorobenzidine	21.22	252	94	0.14 ng	#	41
32) Chrysene	21.28	228	1958	Below Cal	#	78
33) Bis(2-ethylhexyl)phthalate	21.13	149	2569	0.14 ng	#	99

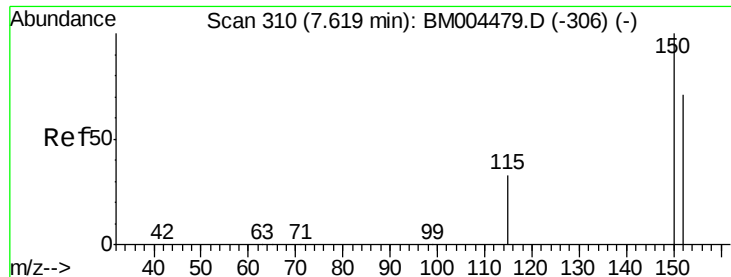
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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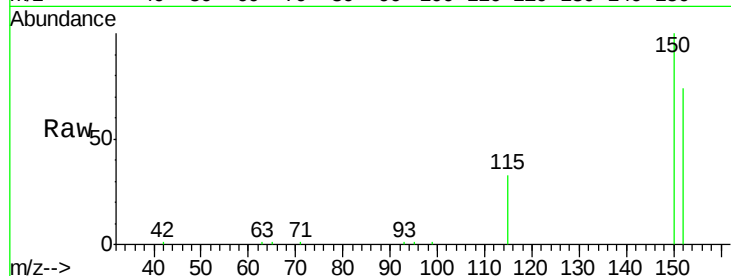


#1

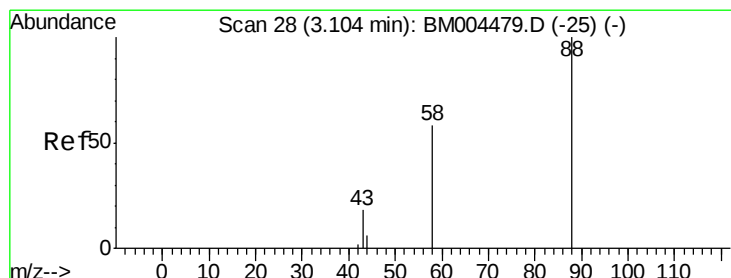
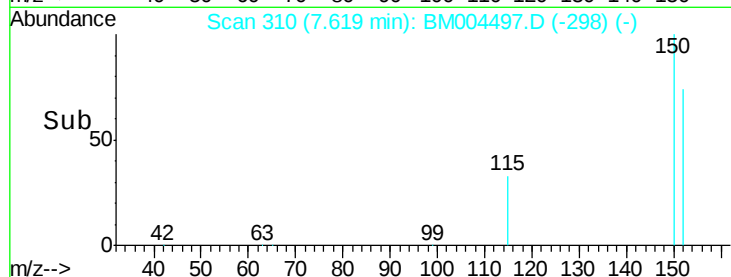
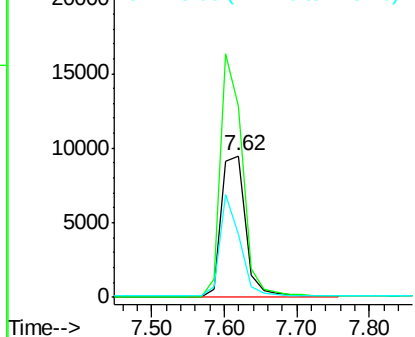
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 310
Delta R.T. 0.00 min
Lab File: BM004497.D
Acq: 01 Mar 2016 08:41

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 21976
Ion Ratio Lower Upper
152 100
150 135.5 111.9 167.9
115 44.8 37.7 56.5



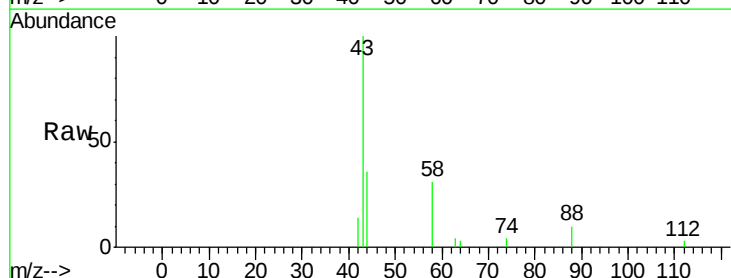
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



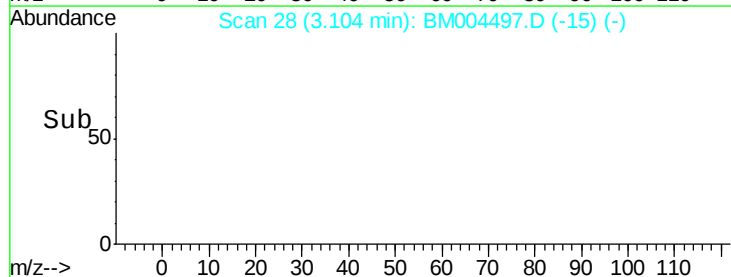
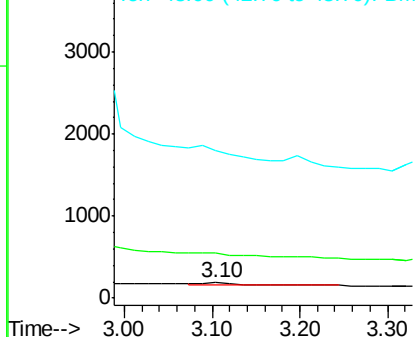
#2

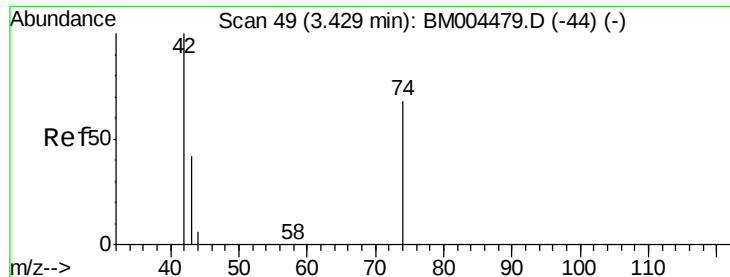
1,4-Dioxane
Concen: Below Cal
RT: 3.10 min Scan# 28
Delta R.T. 0.00 min
Lab File: BM004497.D
Acq: 01 Mar 2016 08:41

Tgt Ion: 88 Resp: 97
Ion Ratio Lower Upper
88 100
58 0.0 45.4 68.0#
43 0.0 19.3 28.9#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#3

n-Nitrosodimethylamine

Concen: 0.03 ng

RT: 3.40 min Scan# 47

Delta R.T. -0.03 min

Lab File: BM004497.D

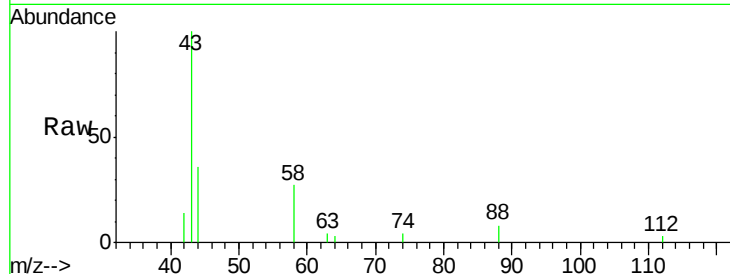
Acq: 01 Mar 2016 08:41

Instrument :

BNA_M

ClientSampleId :

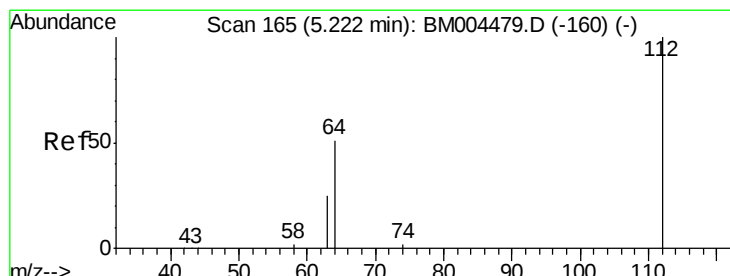
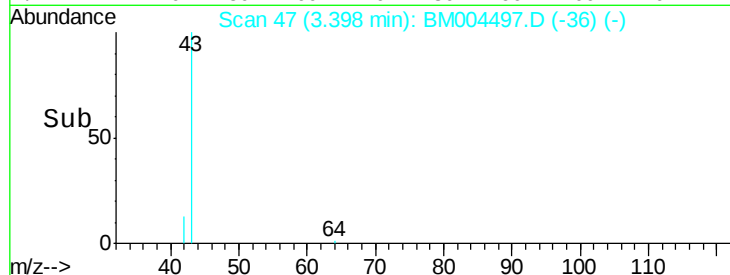
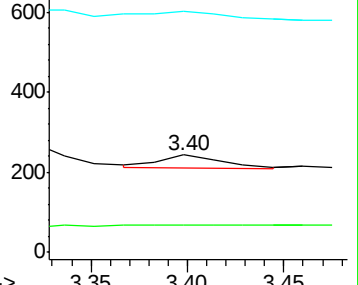
Tot Ion:	42	Resp:	70
Ion	Ratio	Lower	Upper
42	100		
74	0.0	117.8	176.8#
44	0.0	6.1	9.1#



Abundance Ion 42.00 (41.70 to 42.70): BM004497.D (-44) (-)

Ion 74.00 (73.70 to 74.70): BM004497.D (-44) (-)

Ion 44.00 (43.70 to 44.70): BM004497.D (-44) (-)



#4

2-Fluorophenol

Concen: 1.88 ng

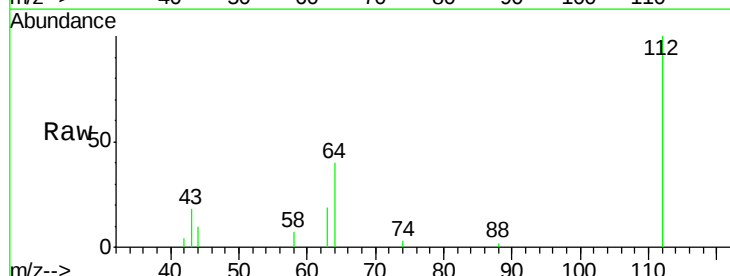
RT: 5.22 min Scan# 165

Delta R.T. 0.00 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

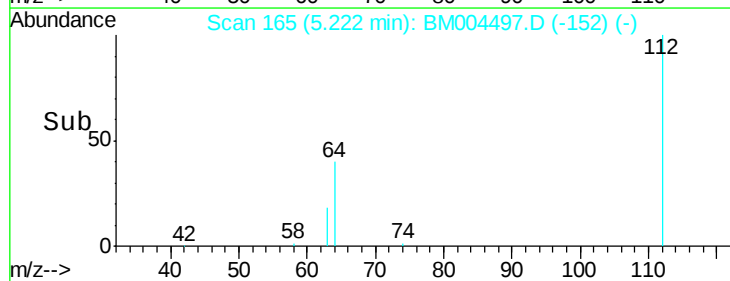
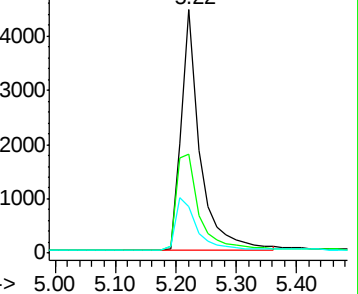
Tgt Ion:	112	Resp:	9626
Ion	Ratio	Lower	Upper
112	100		
64	49.2	39.6	59.4
63	24.7	20.0	30.0

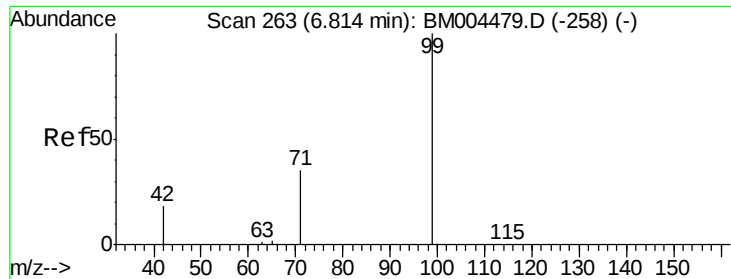


Abundance Ion 112.00 (111.70 to 112.70): BM004497.D (-160) (-)

Ion 64.00 (63.70 to 64.70): BM004497.D (-160) (-)

Ion 63.00 (62.70 to 63.70): BM004497.D (-160) (-)





#5

Phenol-d6

Concen: 1.05 ng

RT: 6.81 min Scan# 263

Delta R.T. 0.00 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

Instrument :

BNA_M

ClientSampled :

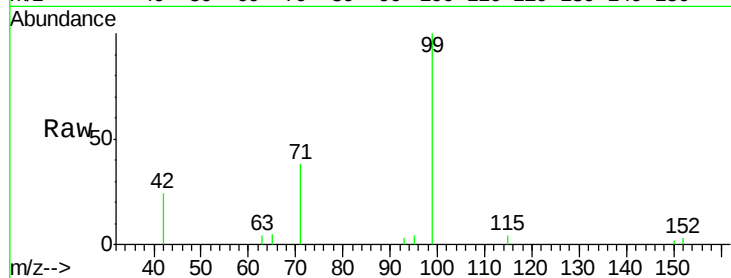
Tot Ion: 99 Resp: 6058

Ion Ratio Lower Upper

99 100

42 16.8 12.2 18.2

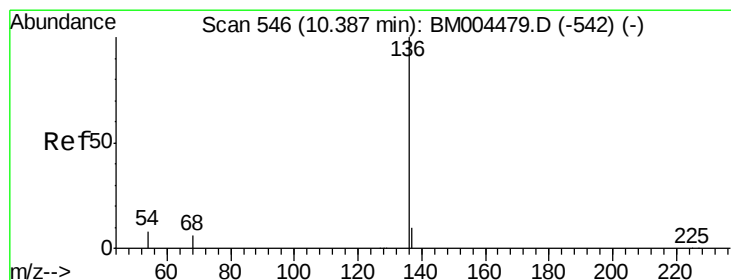
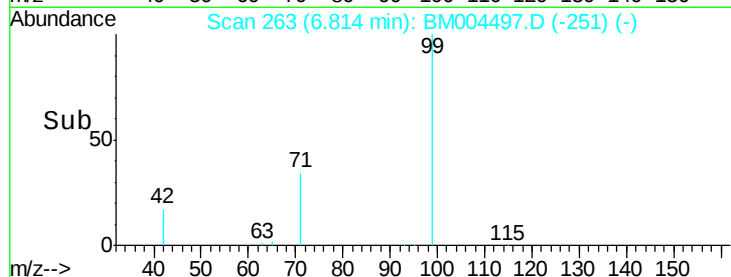
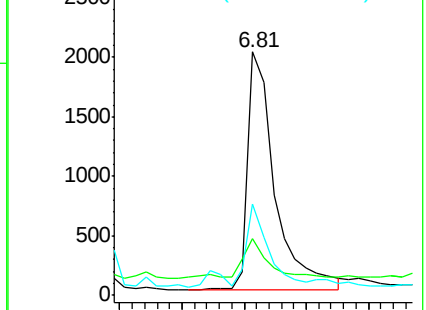
71 27.3 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BM004479.D (-258) (-)

Ion 42.00 (41.70 to 42.70): BM004479.D (-258) (-)

Ion 71.00 (70.70 to 71.70): BM004479.D (-258) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 546

Delta R.T. 0.00 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

Tgt Ion: 136 Resp: 81513

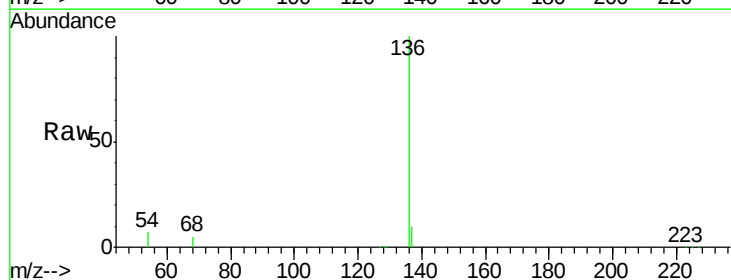
Ion Ratio Lower Upper

136 100

137 10.4 8.2 12.2

54 6.9 6.4 9.6

68 5.4 5.0 7.4

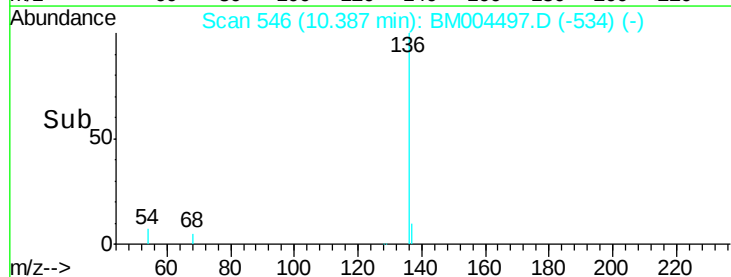
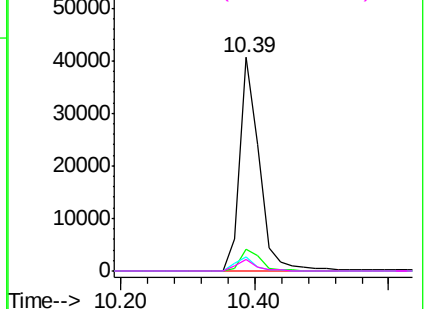


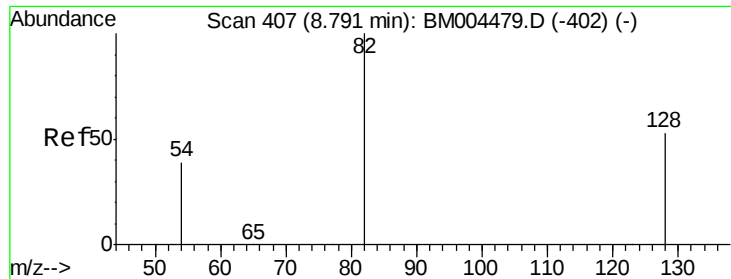
Abundance Ion 136.00 (135.70 to 136.70): BM004479.D (-542) (-)

Ion 137.00 (136.70 to 137.70): BM004479.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BM004479.D (-542) (-)

Ion 68.00 (67.70 to 68.70): BM004479.D (-542) (-)





#8

Nitrobenzene-d5

Concen: 4.18 ng

RT: 8.78 min Scan# 406

Delta R.T. -0.01 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

Instrument :

BNA_M

ClientSampleId :

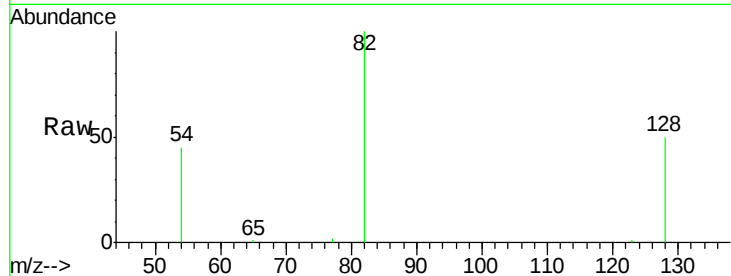
Tot Ion: 82 Resp: 17349

Ion Ratio Lower Upper

82 100

128 49.6 43.7 65.5

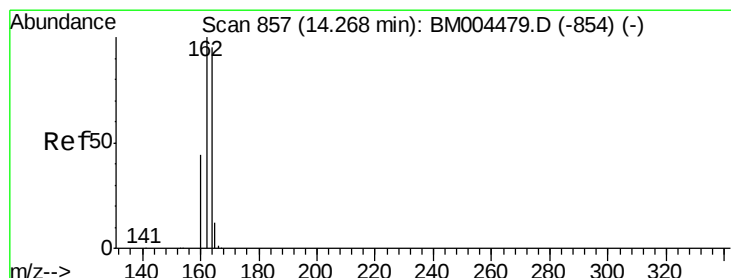
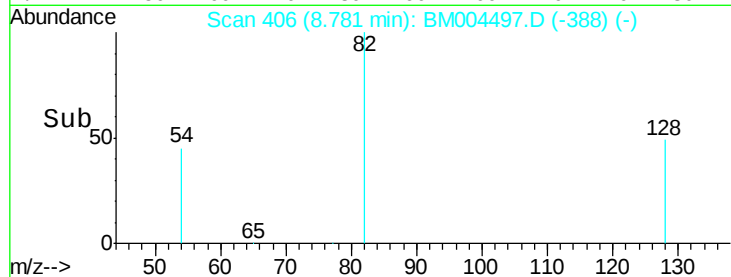
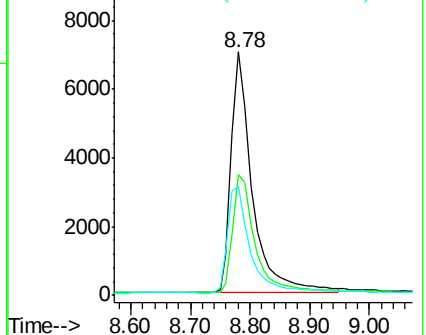
54 45.1 33.5 50.3



Abundance Ion 82.00 (81.70 to 82.70): BM004497.D (-402) (-)

Ion 128.00 (127.70 to 128.70): BM004497.D (-402) (-)

Ion 54.00 (53.70 to 54.70): BM004497.D (-402) (-)



#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.27 min Scan# 857

Delta R.T. 0.00 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

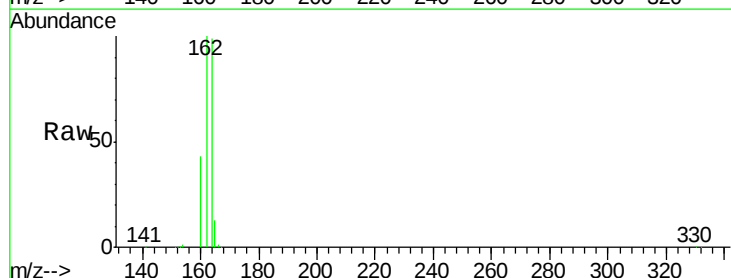
Tgt Ion: 164 Resp: 39177

Ion Ratio Lower Upper

164 100

162 101.2 84.2 126.4

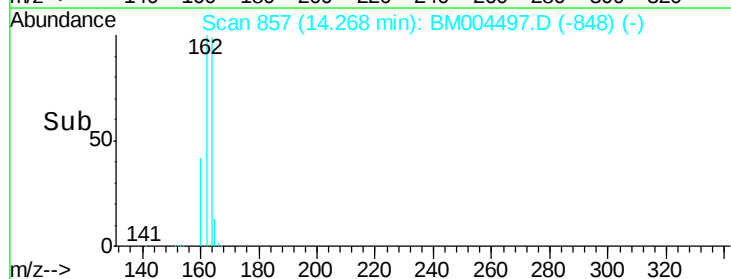
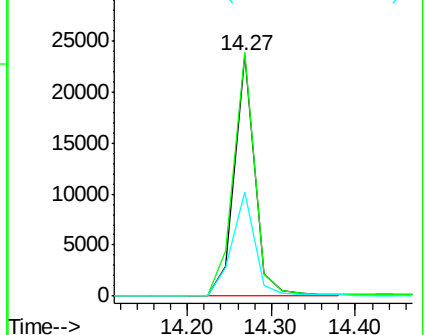
160 43.1 37.4 56.2

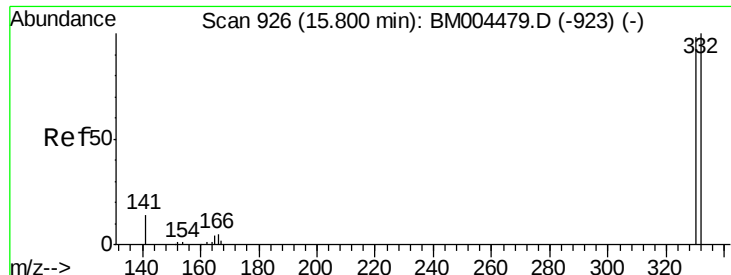


Abundance Ion 164.00 (163.70 to 164.70): BM004497.D (-854) (-)

Ion 162.00 (161.70 to 162.70): BM004497.D (-854) (-)

Ion 160.00 (159.70 to 160.70): BM004497.D (-854) (-)

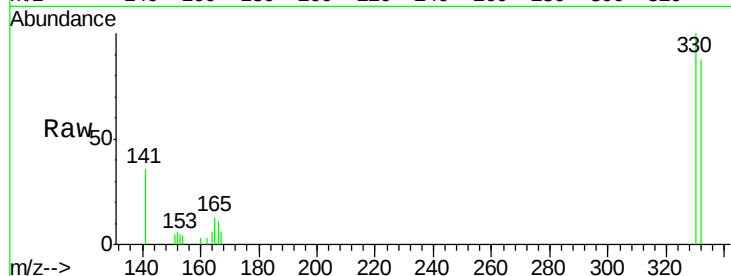




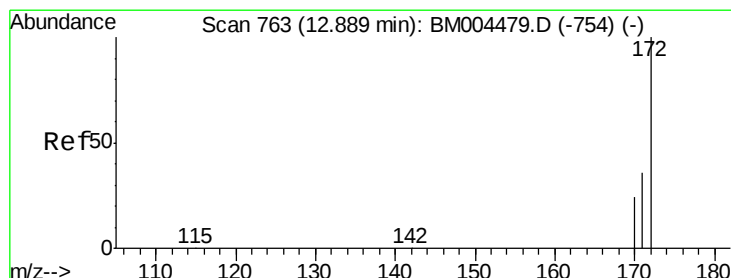
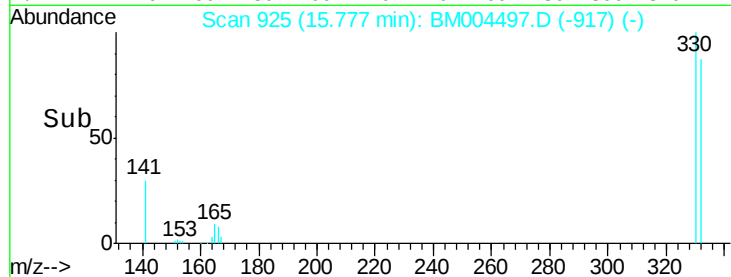
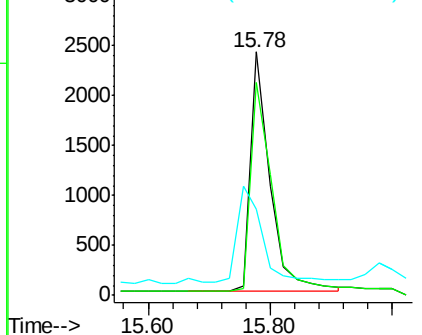
#14
 2,4,6-Tribromophenol
 Concen: 3.54 ng
 RT: 15.78 min Scan# 925
 Delta R.T. -0.02 min
 Lab File: BM004497.D
 Acq: 01 Mar 2016 08:41

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 5331
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.1 114.1
 141 0.0 0.0 0.0

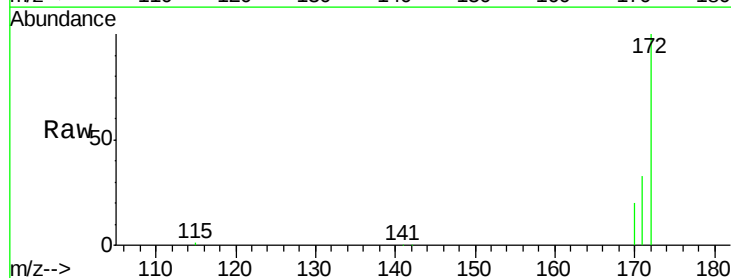


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

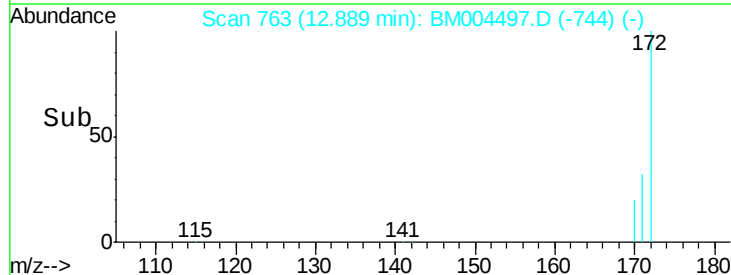
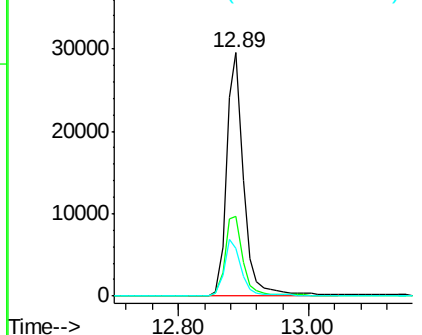


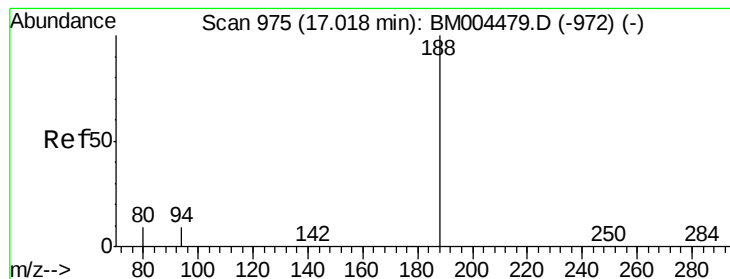
#15
 2-Fluorobiphenyl
 Concen: 4.41 ng
 RT: 12.89 min Scan# 763
 Delta R.T. 0.00 min
 Lab File: BM004497.D
 Acq: 01 Mar 2016 08:41

Tgt Ion:172 Resp: 52916
 Ion Ratio Lower Upper
 172 100
 171 32.6 29.2 43.8
 170 19.8 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: 17.02 min Scan# 975

Delta R.T. 0.00 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

Instrument :

BNA_M

ClientSampleId :

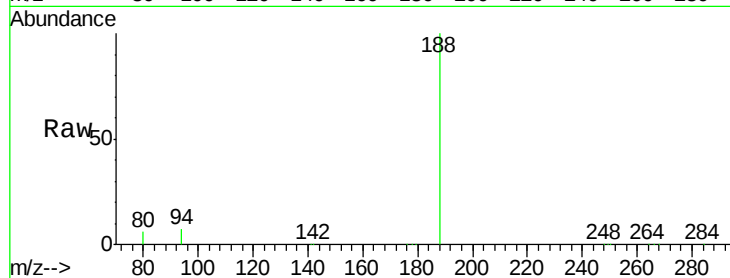
Tot Ion:188 Resp: 86531

Ion Ratio Lower Upper

188 100

94 6.9 7.4 11.0#

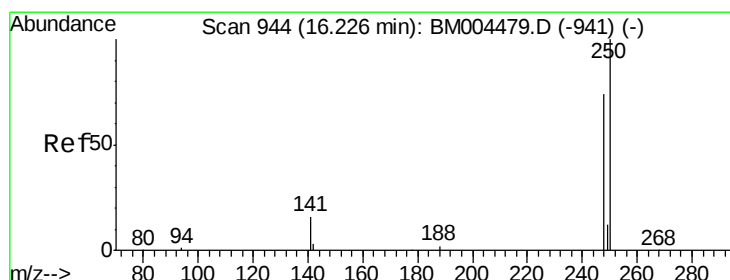
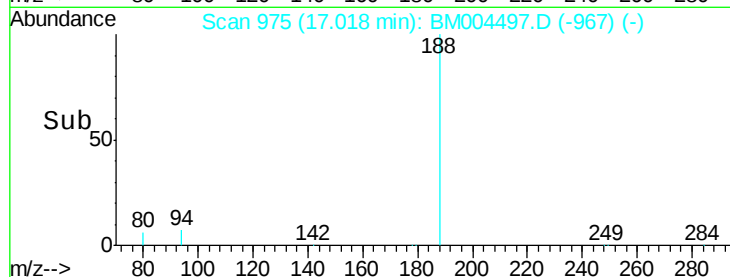
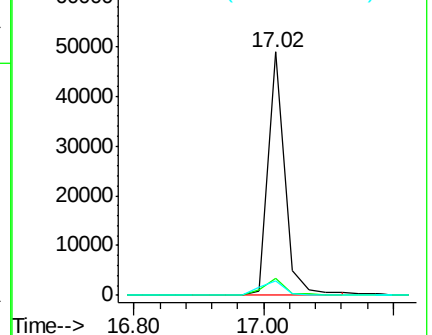
80 6.2 6.9 10.3#



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: 16.20 min Scan# 943

Delta R.T. -0.03 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

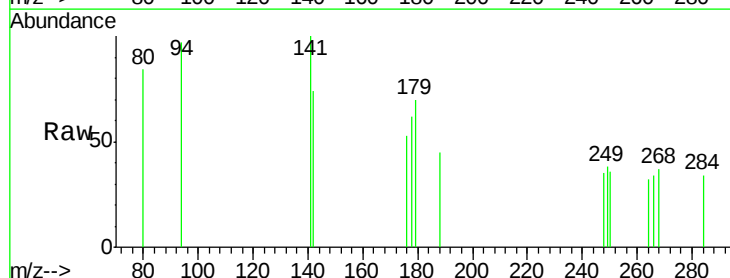
Tgt Ion:248 Resp: 5

Ion Ratio Lower Upper

248 100

250 0.0 81.5 122.3#

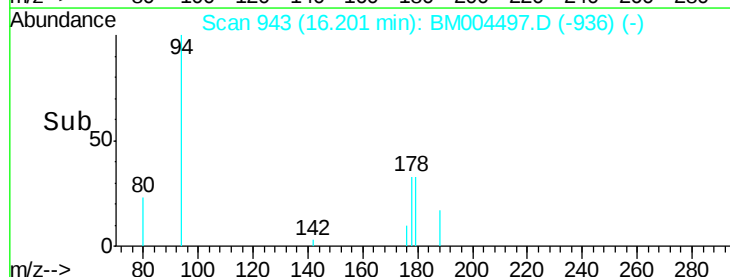
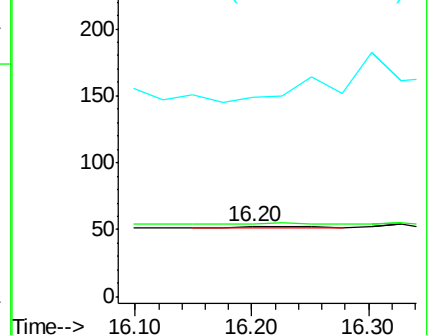
141 0.0 0.0 0.0

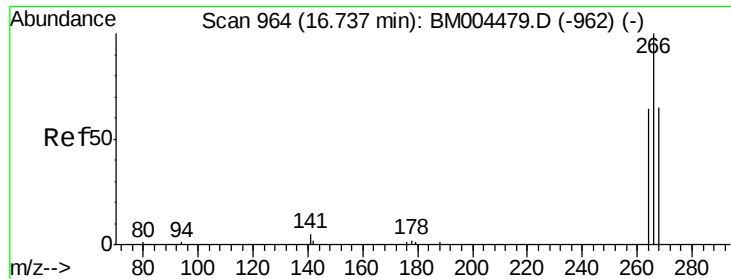


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 0.05 ng

RT: 16.74 min Scan# 964

Delta R.T. 0.00 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

Instrument :

BNA_M

ClientSampled :

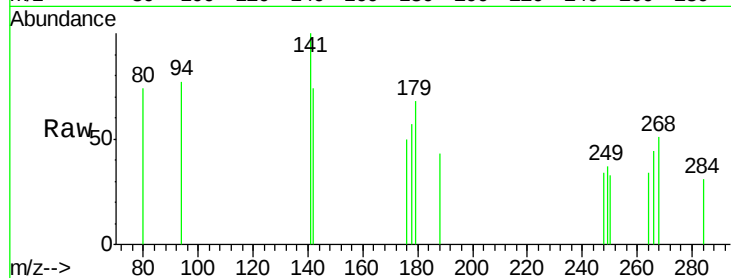
Tot Ion:266 Resp: 100

Ion Ratio Lower Upper

266 100

268 116.4 60.7 91.1#

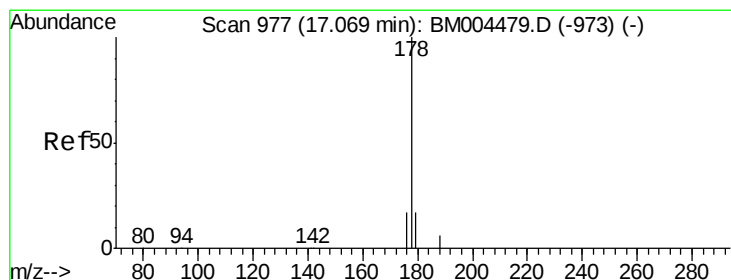
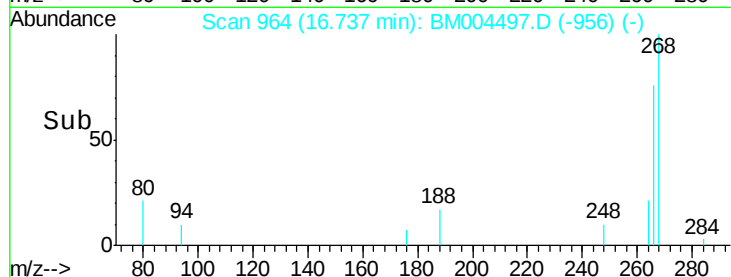
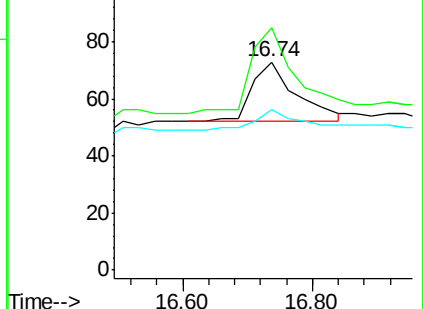
264 76.7 57.1 85.7



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: 0.03 ng

RT: 17.07 min Scan# 977

Delta R.T. 0.00 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

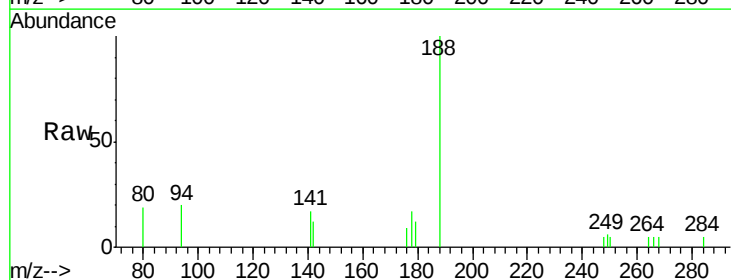
Tgt Ion:178 Resp: 293

Ion Ratio Lower Upper

178 100

176 27.6 14.7 22.1#

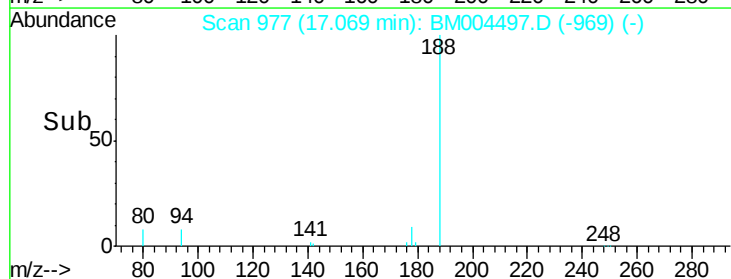
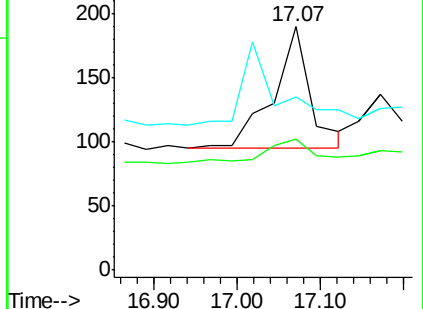
179 0.0 12.9 19.3#

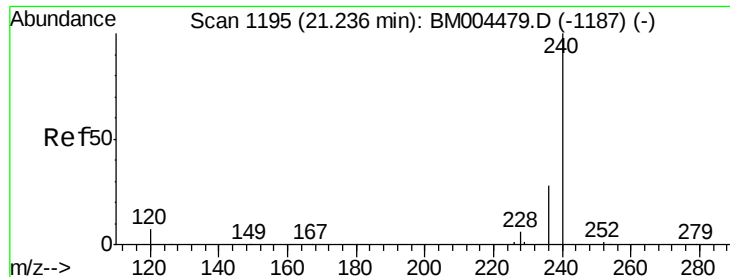


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

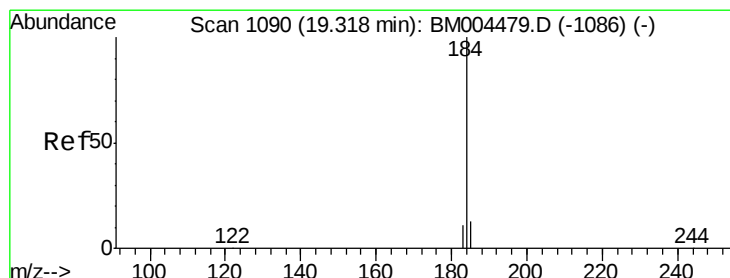
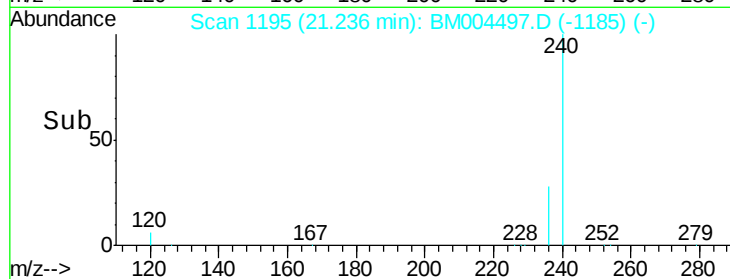
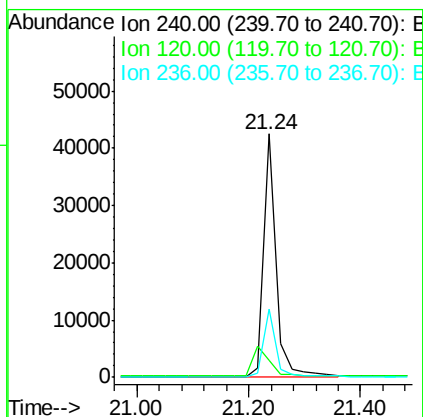
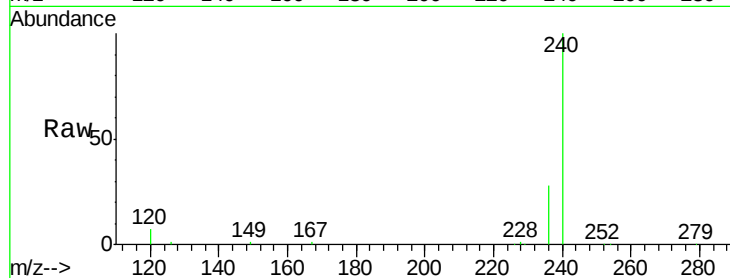




#26
Chrysene-d12
Concen: 5.00 ng
RT: 21.24 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BM004497.D
Acq: 01 Mar 2016 08:41

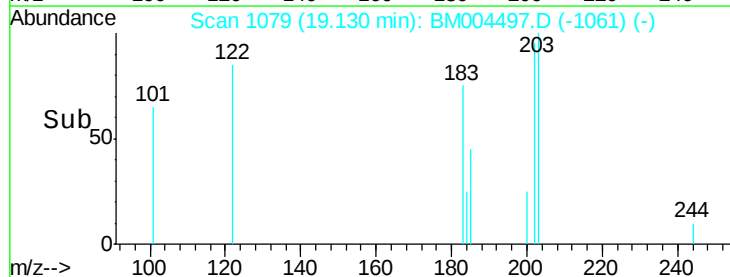
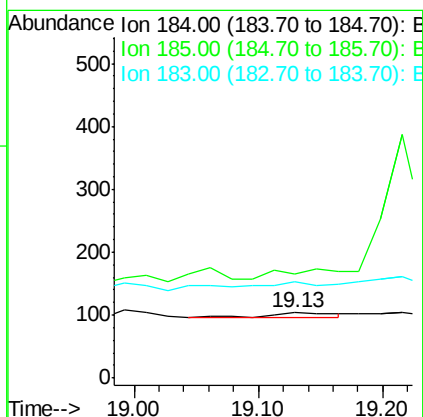
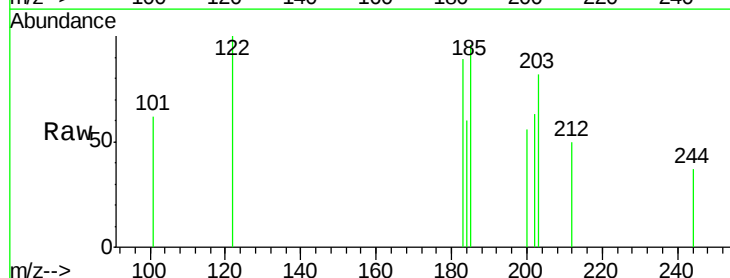
Instrument :
BNA_M
ClientSampled :

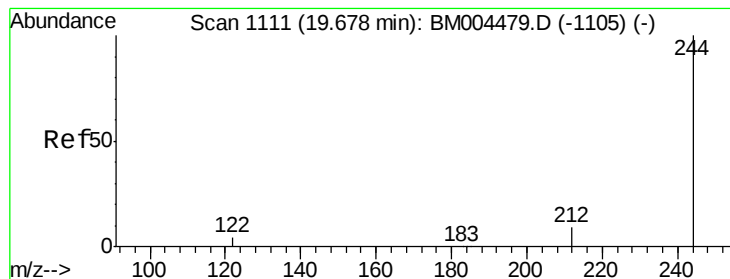
Tot Ion:240 Resp: 65813
Ion Ratio Lower Upper
240 100
120 7.0 6.1 9.1
236 28.0 22.6 34.0



#27
Benzidine
Concen: 0.33 ng
RT: 19.13 min Scan# 1079
Delta R.T. -0.19 min
Lab File: BM004497.D
Acq: 01 Mar 2016 08:41

Tgt Ion:184 Resp: 33
Ion Ratio Lower Upper
184 100
185 158.7 16.6 24.8#
183 147.1 12.3 18.5#





#29

Terphenyl-d14

Concen: 4.27 ng

RT: 19.66 min Scan# 1110

Delta R.T. -0.02 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

Instrument :

BNA_M

ClientSampled :

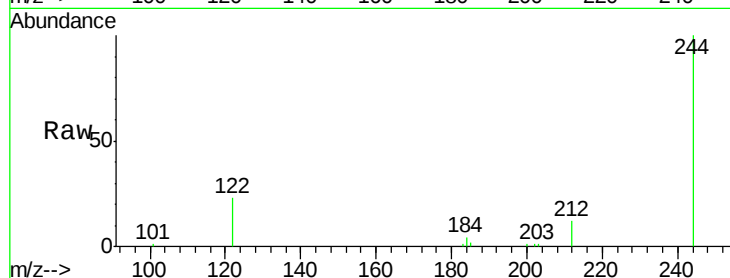
Tot Ion:244 Resp: 36146

Ion Ratio Lower Upper

244 100

212 11.9 7.5 11.3#

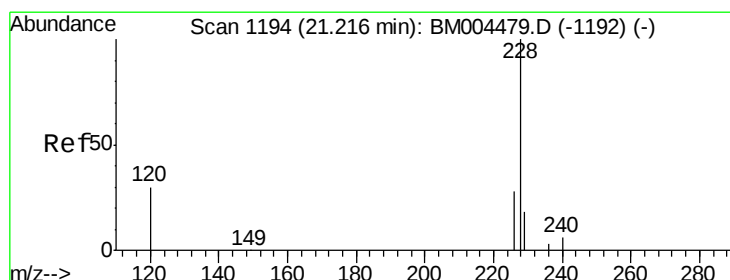
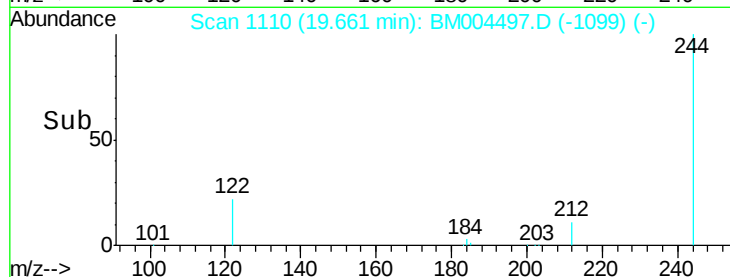
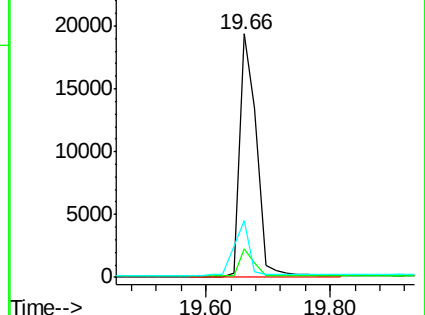
122 23.3 4.2 6.2#



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: 0.08 ng

RT: 21.28 min Scan# 1197

Delta R.T. 0.06 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

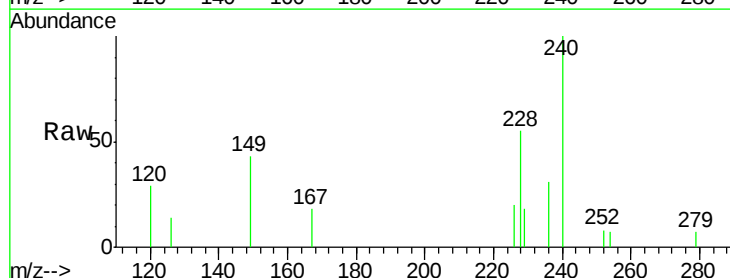
Tgt Ion:228 Resp: 1827

Ion Ratio Lower Upper

228 100

226 36.9 22.8 34.2#

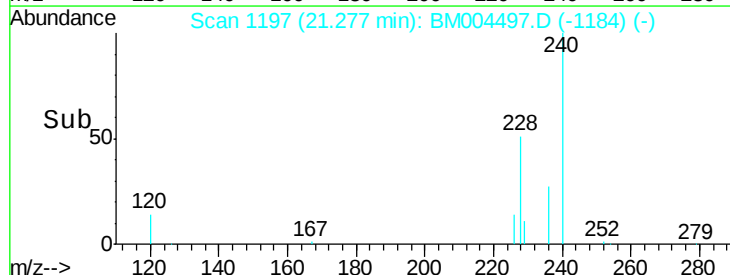
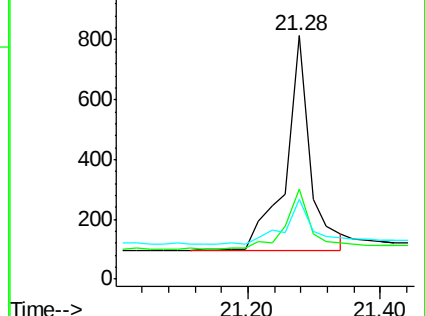
229 32.9 14.6 22.0#

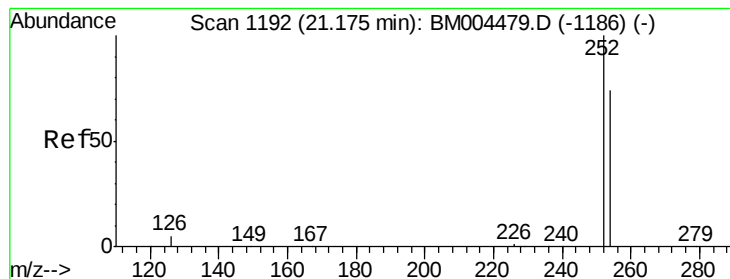


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

3,3'-Dichlorobenzidine

Concen: 0.14 ng

RT: 21.22 min Scan# 1194

Delta R.T. 0.04 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

Instrument :

BNA_M

ClientSampleId :

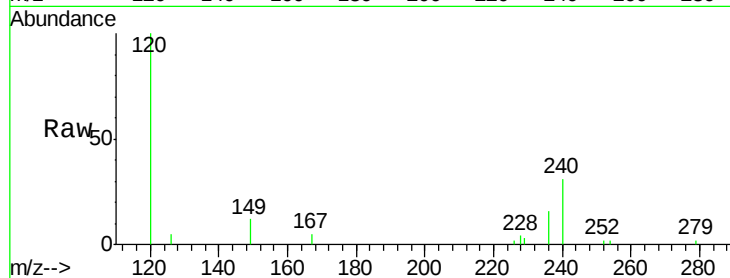
Tot Ion:252 Resp: 94

Ion Ratio Lower Upper

252 100

254 81.8 59.4 89.0

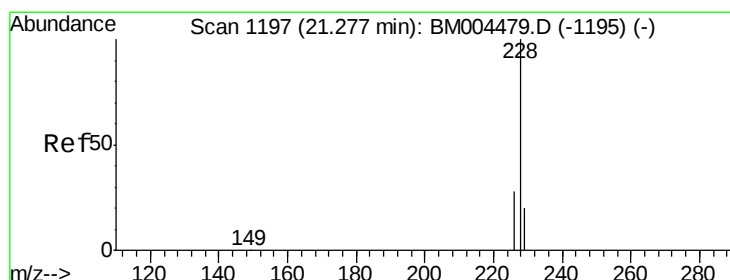
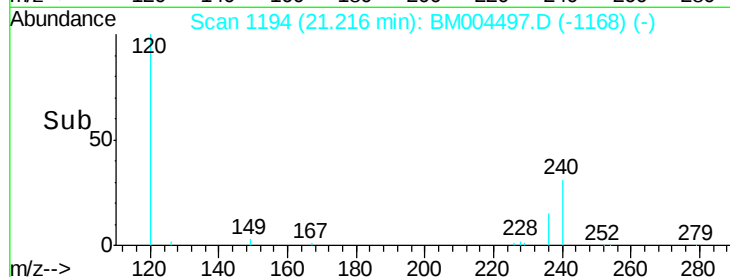
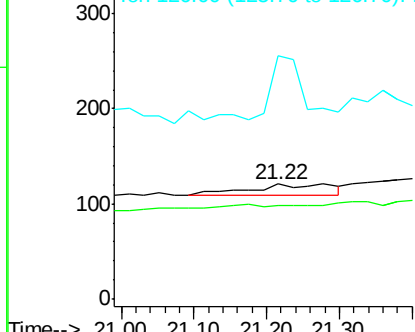
126 211.6 5.5 8.3#



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: 21.28 min Scan# 1197

Delta R.T. 0.00 min

Lab File: BM004497.D

Acq: 01 Mar 2016 08:41

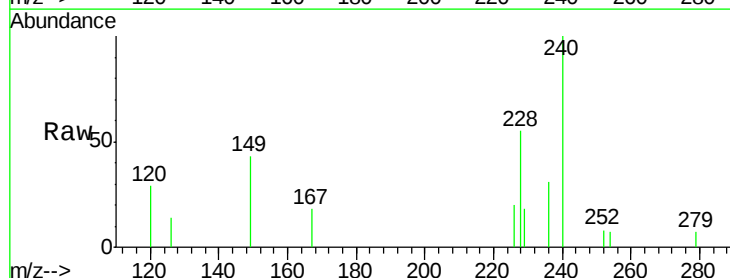
Tgt Ion:228 Resp: 1958

Ion Ratio Lower Upper

228 100

226 36.9 21.4 32.2#

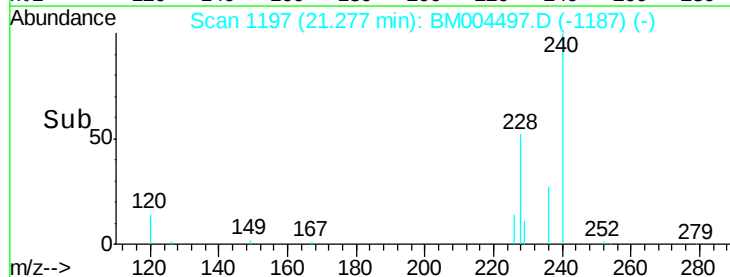
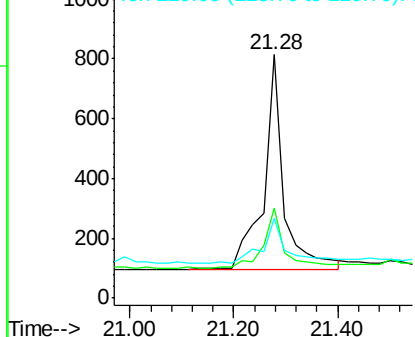
229 32.9 17.1 25.7#

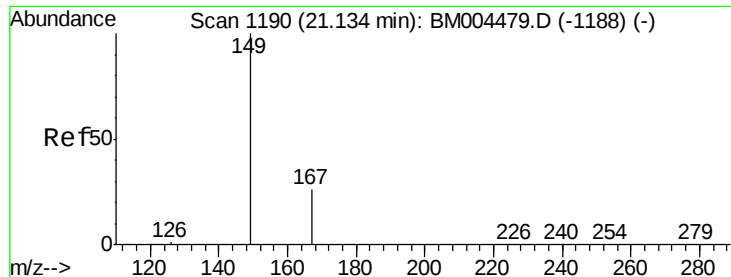


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

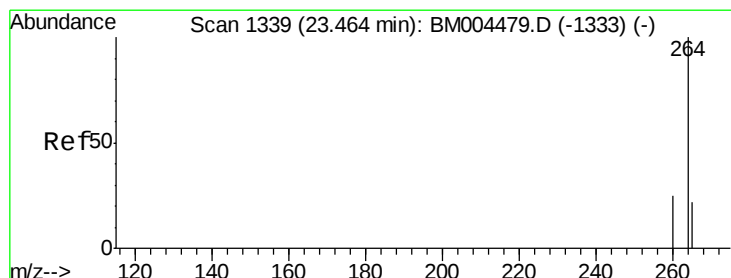
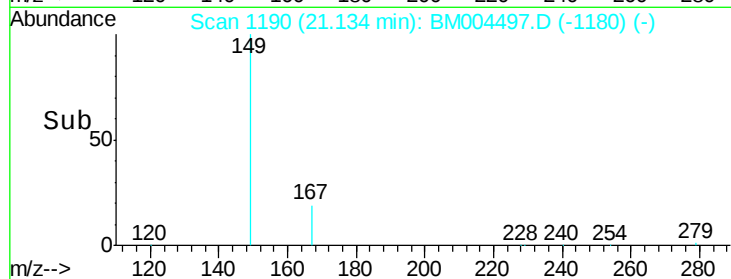
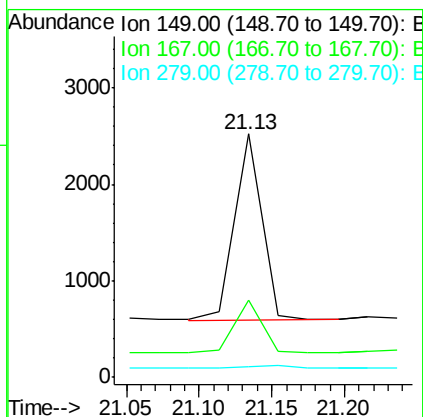
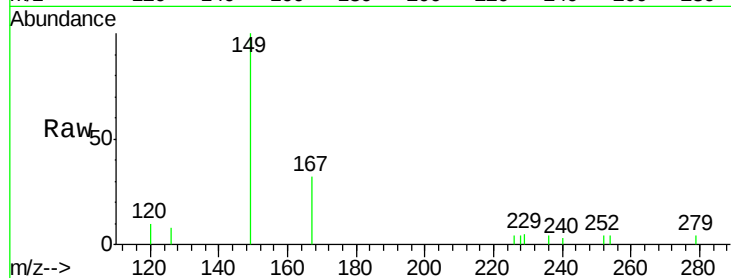




#33
 Bis(2-ethylhexyl)phthalate
 Concen: 0.14 ng
 RT: 21.13 min Scan# 1190
 Delta R.T. 0.00 min
 Lab File: BM004497.D
 Acq: 01 Mar 2016 08:41

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:149 Resp: 2569
 Ion Ratio Lower Upper
 149 100
 167 27.2 21.2 31.8
 279 0.0 0.0 0.0



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.45 min Scan# 1338
 Delta R.T. -0.01 min
 Lab File: BM004497.D
 Acq: 01 Mar 2016 08:41

Tgt Ion:264 Resp: 62312
 Ion Ratio Lower Upper
 264 100
 260 27.1 19.8 29.6
 265 22.4 18.9 28.3

