

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031318\
 Data File : BG033132.D
 Acq On : 14 Mar 2018 2:13
 Operator : SJ/JU
 Sample : J1874-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MHC-WCIS

Quant Time: Mar 14 04:21:24 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

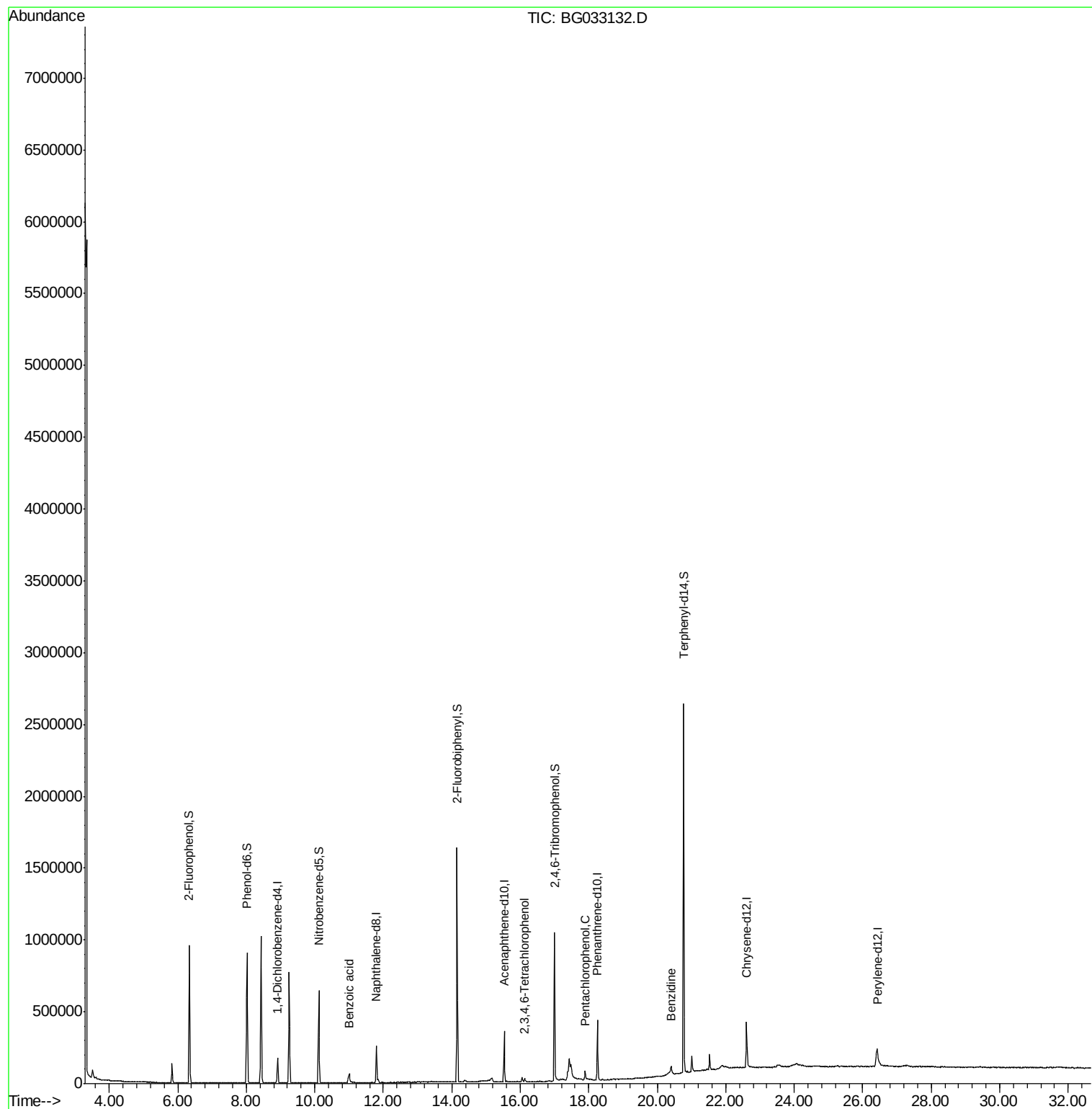
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.92	152	50090	20.00	ng	0.00
21) Naphthalene-d8	11.80	136	218715	20.00	ng	0.00
38) Acenaphthene-d10	15.53	164	119754	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	255428	20.00	ng	0.00
75) Chrysene-d12	22.61	240	242227	20.00	ng	0.00
86) Perylene-d12	26.42	264	215152	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.34	112	437976	139.89	ng	0.01
7) Phenol-d6	8.02	99	530968	121.67	ng	0.02
23) Nitrobenzene-d5	10.12	82	409948	124.81	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	197800	157.09	ng	0.00
44) 2-Fluorobiphenyl	14.16	172	845343	101.81	ng	0.00
78) Terphenyl-d14	20.77	244	1157190	107.33	ng	0.00
Target Compounds						
32) Benzoic acid	11.01	122	35403	23.711	ng	90
58) 2,3,4,6-Tetrachlorophenol	16.13	232	5116	2.540	ng	# 86
69) Pentachlorophenol	17.90	266	17032	9.264	ng	89
76) Benzidine	20.41	184	35533	4.304	ng	97

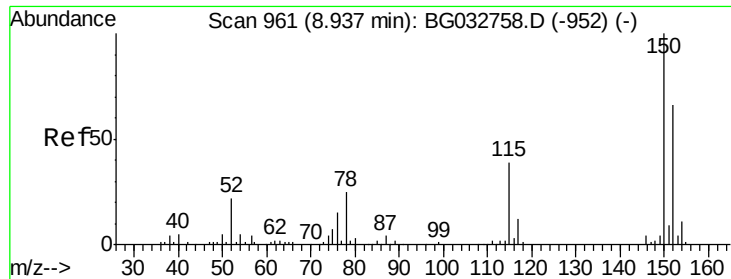
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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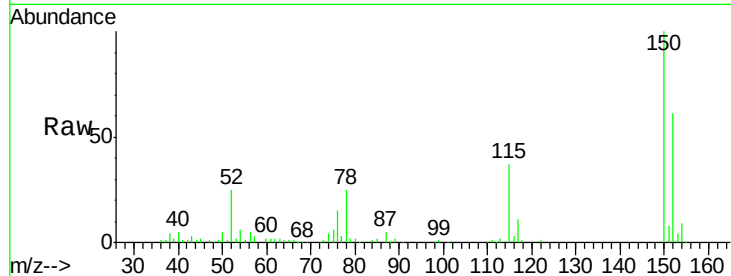


#1

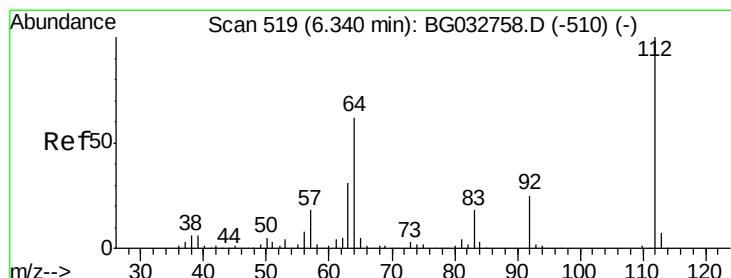
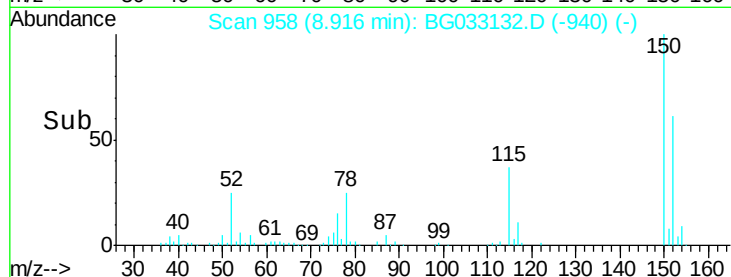
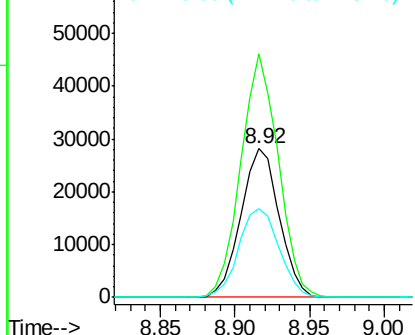
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.92 min Scan# 958
Delta R.T. 0.01 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

Instrument :
BNA_G
ClientSampleId :
MHC-WCIS

Tot Ion:152 Resp: 50090
Ion Ratio Lower Upper
152 100
150 163.7 126.6 189.8
115 60.0 53.0 79.4



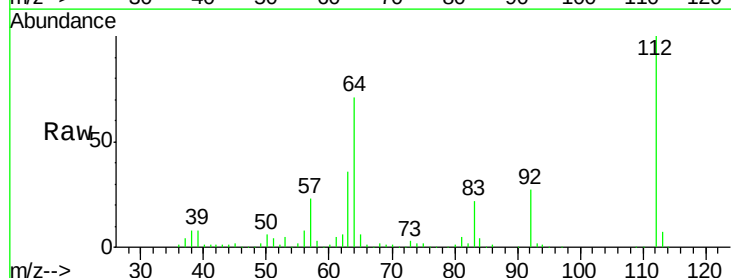
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



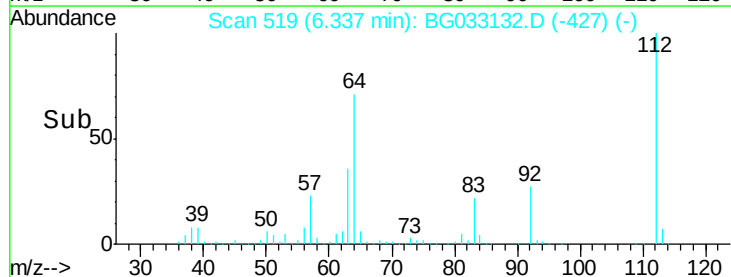
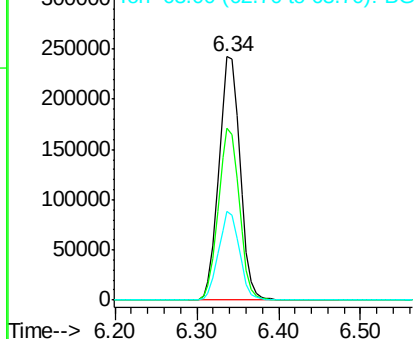
#5

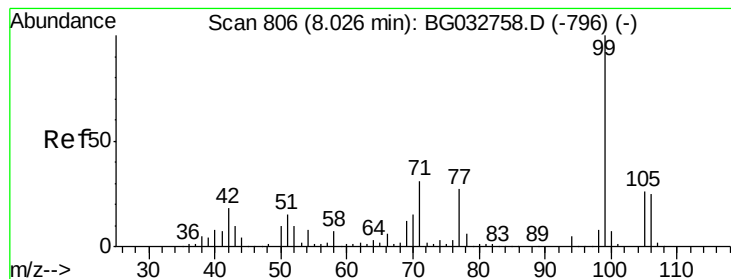
2-Fluorophenol
Concen: 139.888 ng
RT: 6.34 min Scan# 519
Delta R.T. 0.01 min
Lab File: BG033132.D
Acq: 14 Mar 2018 2:13

Tgt Ion:112 Resp: 437976
Ion Ratio Lower Upper
112 100
64 70.8 56.3 84.5
63 36.5 30.1 45.1



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





#7

Phenol-d6

Concen: 121.669 ng

RT: 8.02 min Scan# 806

Delta R.T. 0.02 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

MHC-WCIS

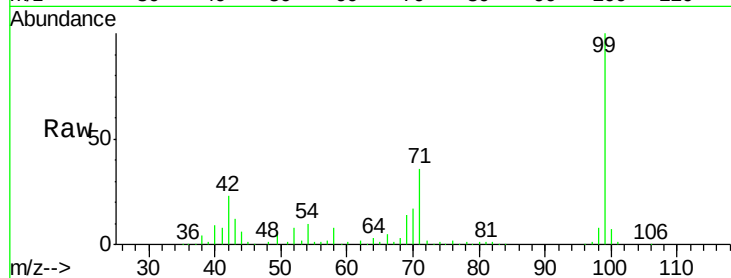
Tot Ion: 99 Resp: 530968

Ion Ratio Lower Upper

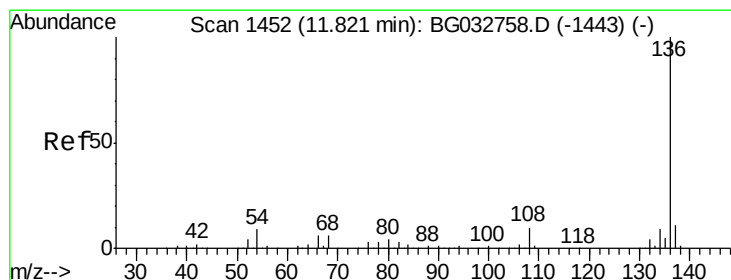
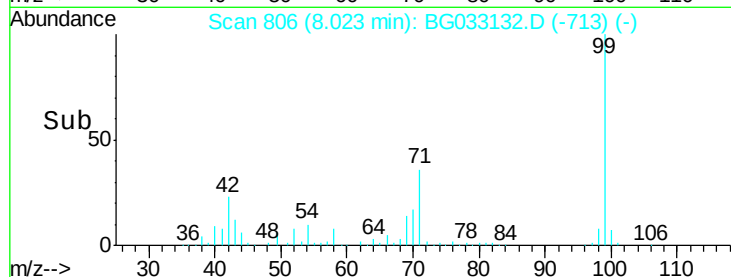
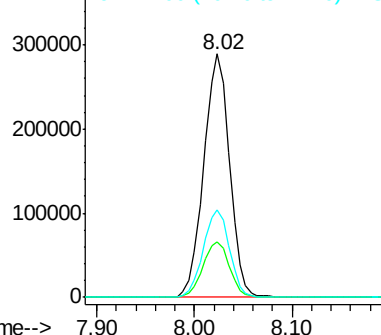
99 100

42 23.0 14.1 21.1#

71 36.1 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.80 min Scan# 1449

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Tgt Ion: 136 Resp: 218715

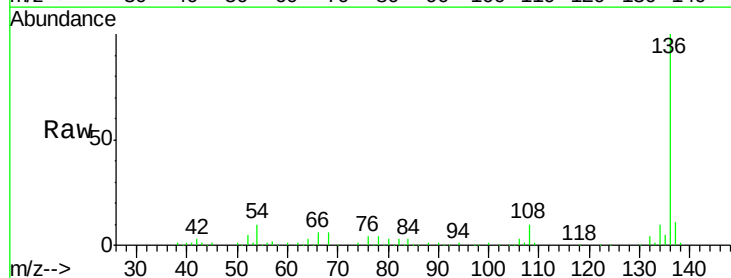
Ion Ratio Lower Upper

136 100

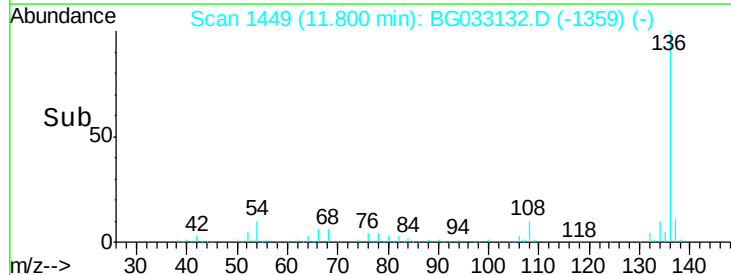
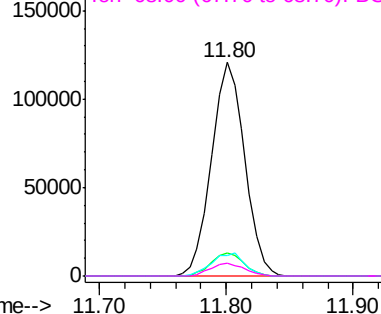
137 10.8 9.2 13.8

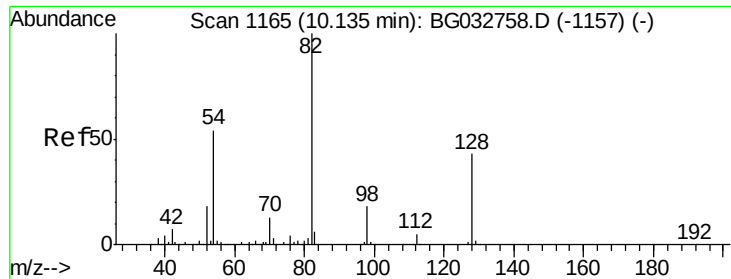
54 9.9 10.3 15.5#

68 5.8 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

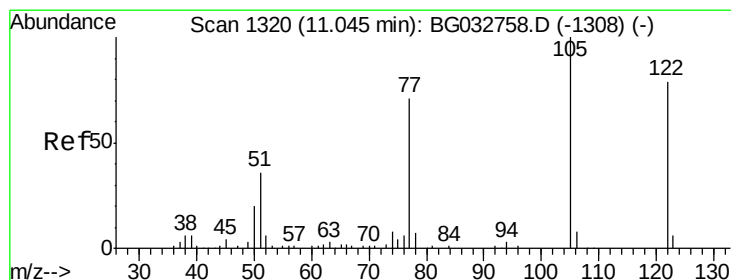
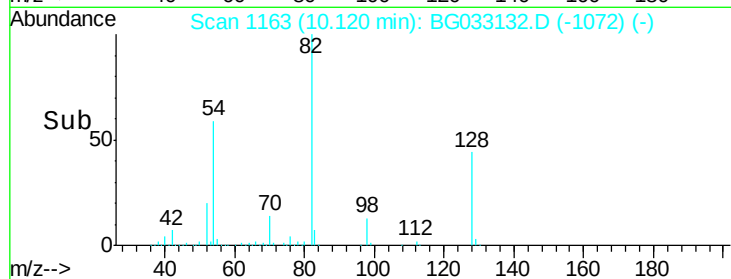
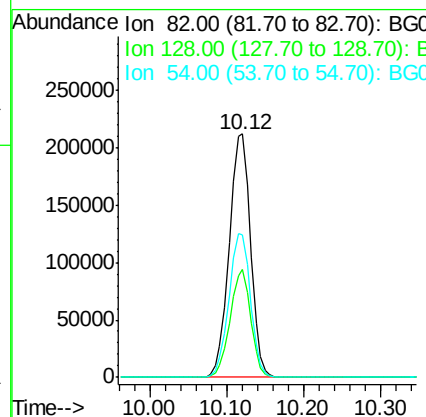
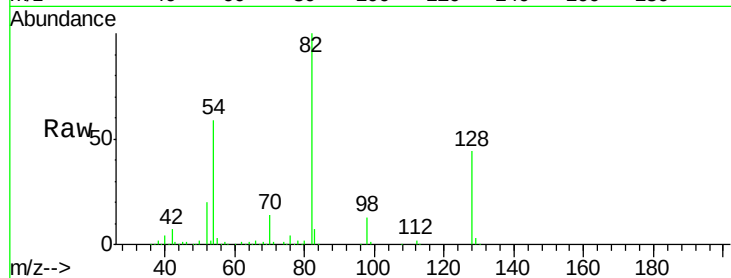




#23
 Nitrobenzene-d5
 Concen: 124.815 ng
 RT: 10.12 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

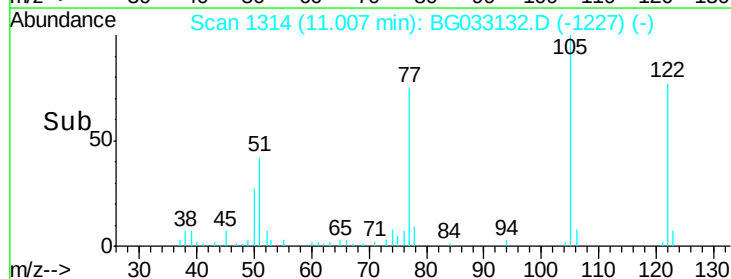
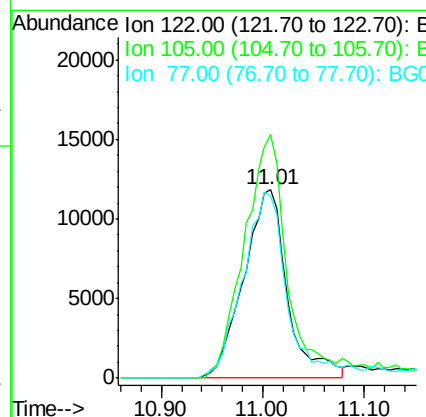
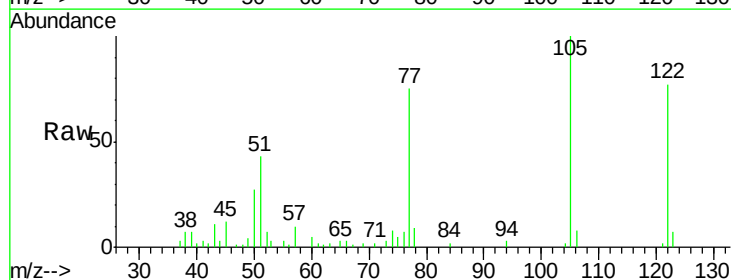
Instrument :
 BNA_G
 ClientSampled :
 MHC-WCIS

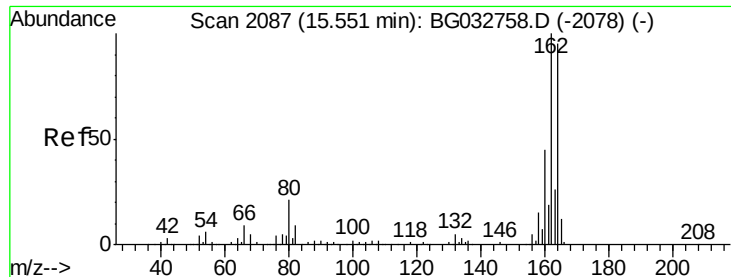
Tot Ion	82	Resp	409948
Ion Ratio	100	Lower	Upper
128	44.4	29.7	44.5
54	58.6	43.1	64.7



#32
 Benzoic acid
 Concen: 23.711 ng
 RT: 11.01 min Scan# 1314
 Delta R.T. -0.02 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

Tgt Ion	122	Resp	35403
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	129.3	123.5	163.5
77	96.6	85.7	125.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.53 min Scan# 2084

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

MHC-WCIS

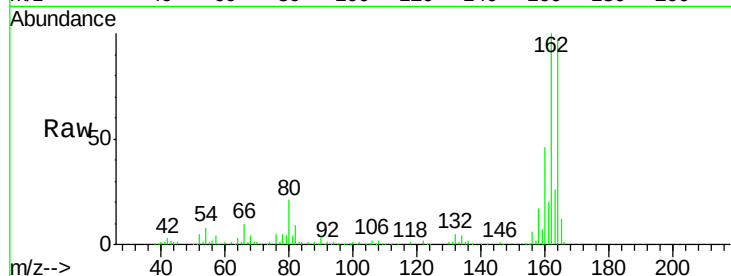
Tot Ion:164 Resp: 119754

Ion Ratio Lower Upper

164 100

162 103.1 78.8 118.2

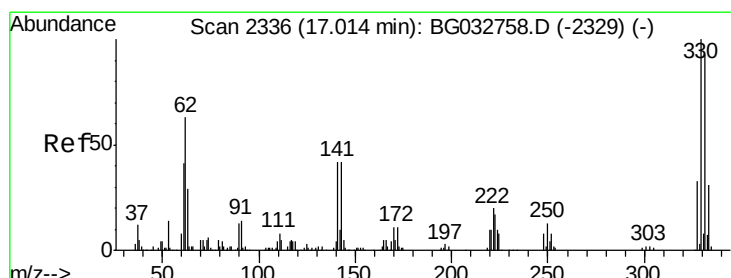
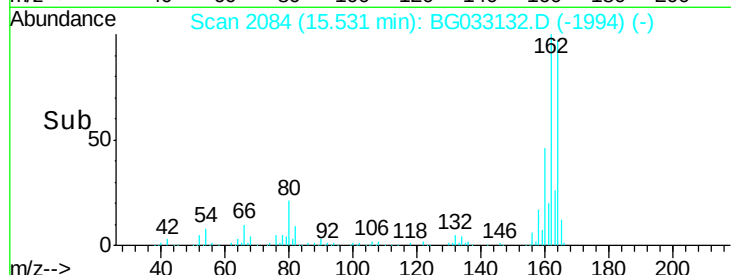
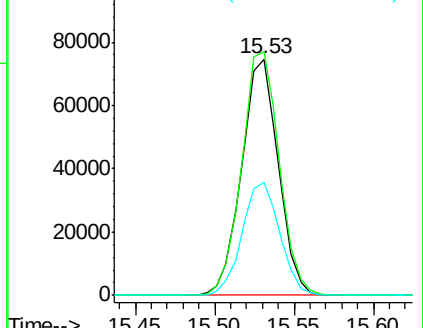
160 47.7 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 157.087 ng

RT: 17.00 min Scan# 2334

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

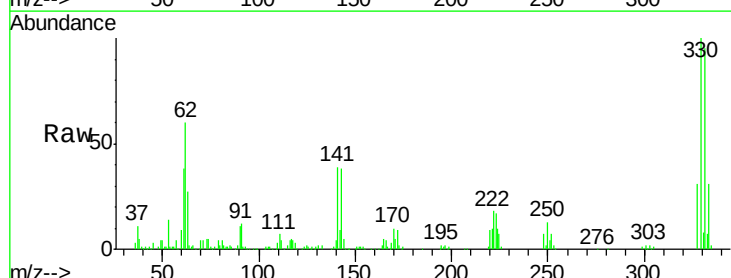
Tgt Ion:330 Resp: 197800

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

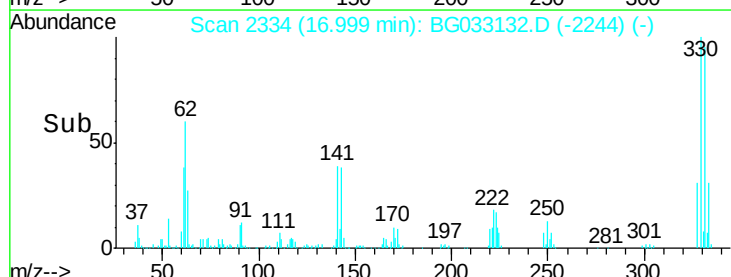
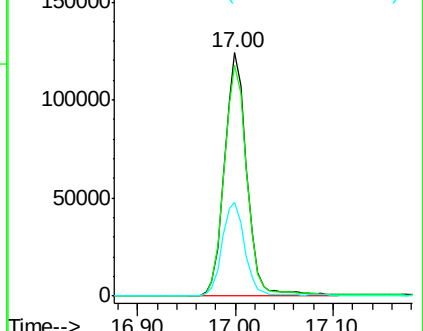
141 39.4 25.2 37.8#

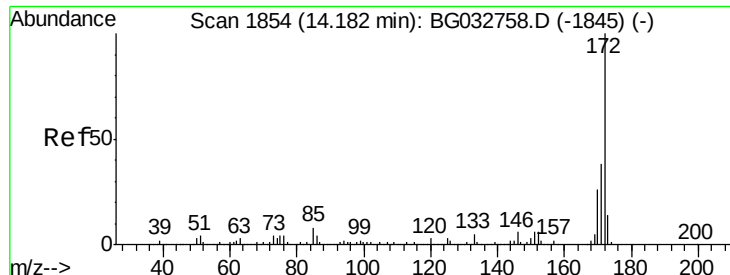


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

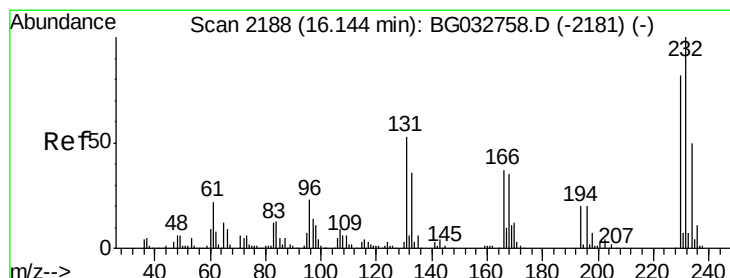
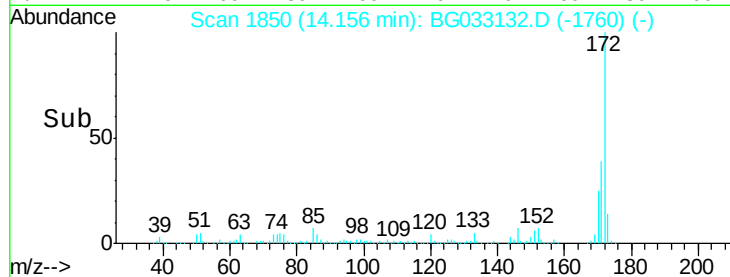
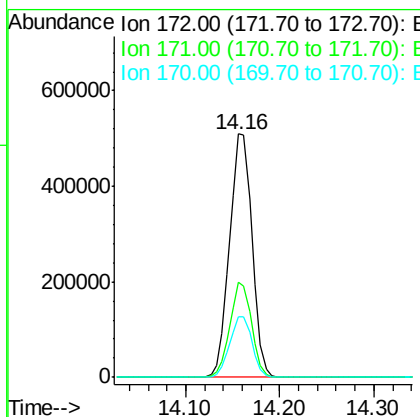
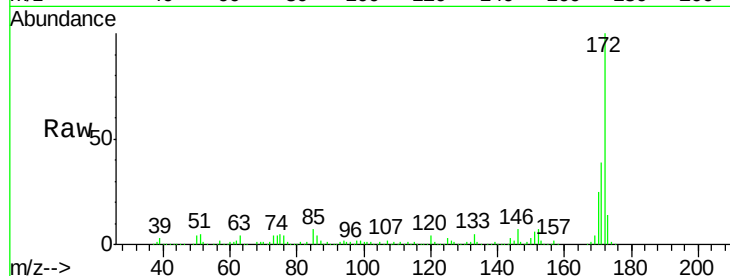




#44
 2-Fluorobiphenyl
 Concen: 101.809 ng
 RT: 14.16 min Scan# 1850
 Delta R.T. 0.00 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

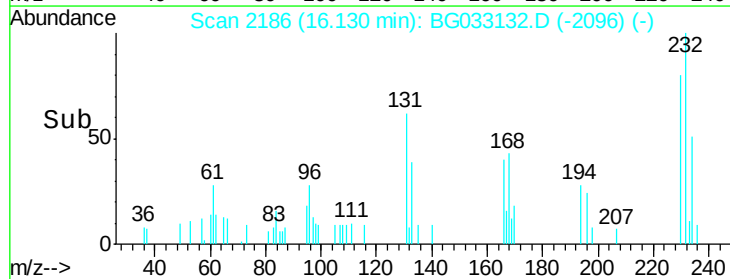
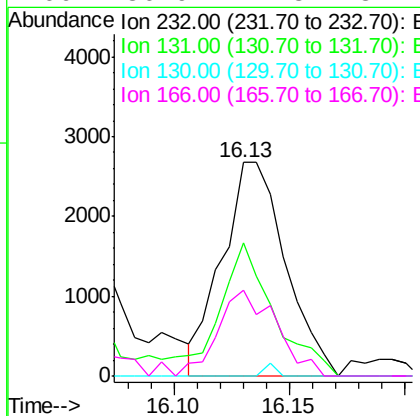
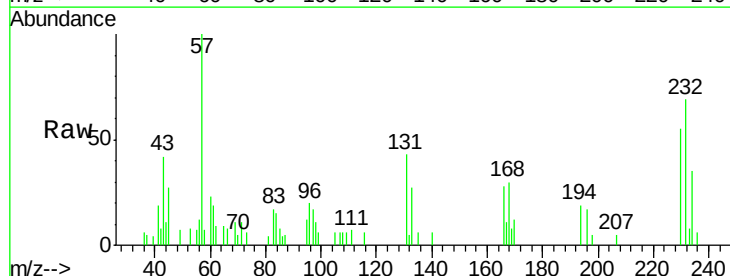
Instrument :
 BNA_G
 ClientSampleId :
 MHC-WCIS

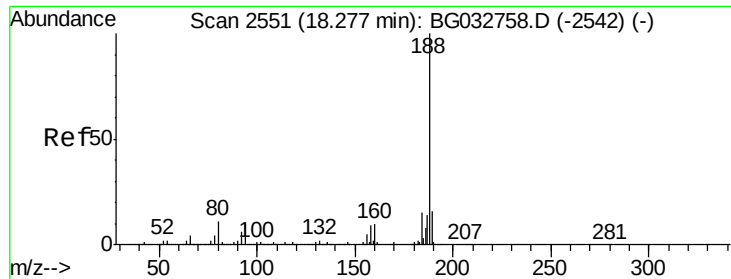
Tot Ion:172 Resp: 845343
 Ion Ratio Lower Upper
 172 100
 171 39.2 30.0 45.0
 170 25.1 19.5 29.3



#58
 2,3,4,6-Tetrachlorophenol
 Concen: 2.540 ng
 RT: 16.13 min Scan# 2186
 Delta R.T. 0.00 min
 Lab File: BG033132.D
 Acq: 14 Mar 2018 2:13

Tgt Ion:232 Resp: 5116
 Ion Ratio Lower Upper
 232 100
 131 52.8 33.5 50.3#
 130 1.1 2.2 3.2#
 166 36.9 24.8 37.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2548

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampleId :

MHC-WCIS

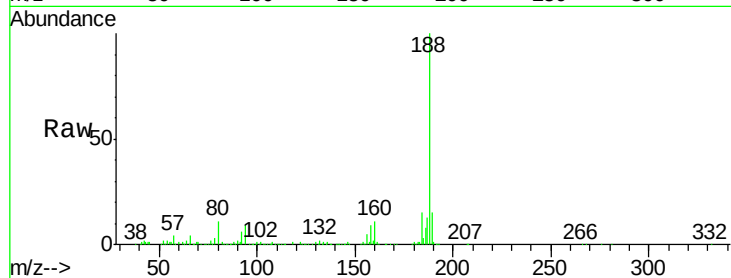
Tot Ion:188 Resp: 255428

Ion Ratio Lower Upper

188 100

94 9.4 6.9 10.3

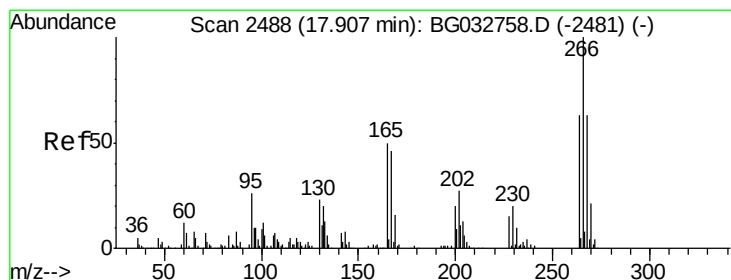
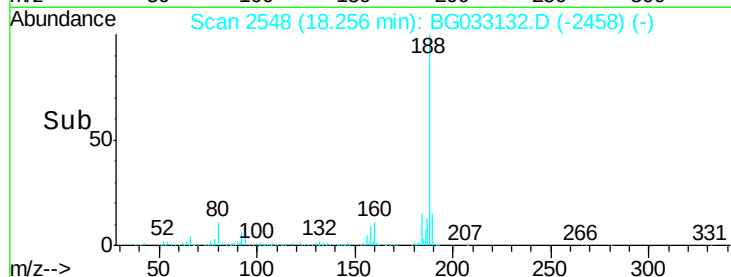
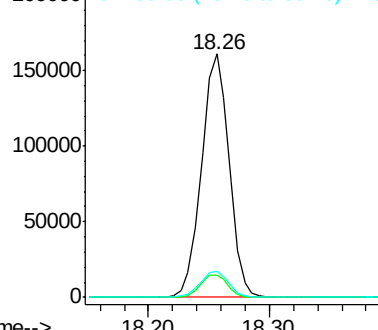
80 10.8 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#69

Pentachlorophenol

Concen: 9.264 ng

RT: 17.90 min Scan# 2487

Delta R.T. 0.01 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

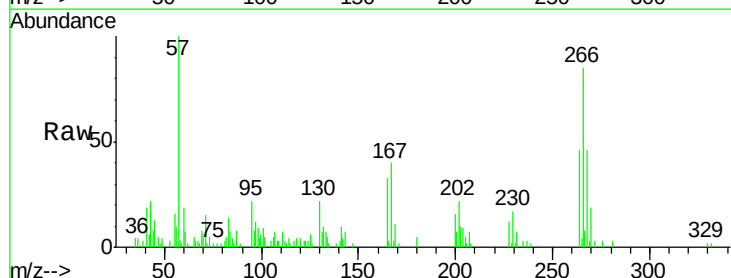
Tgt Ion:266 Resp: 17032

Ion Ratio Lower Upper

266 100

268 54.1 51.1 76.7

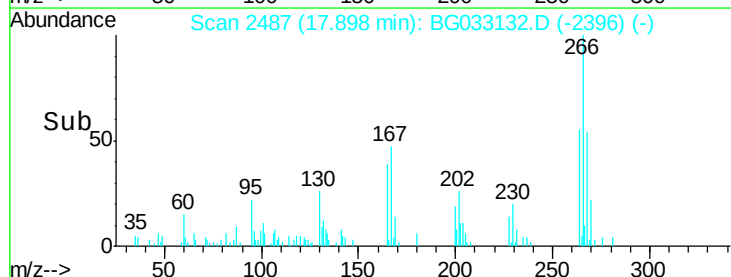
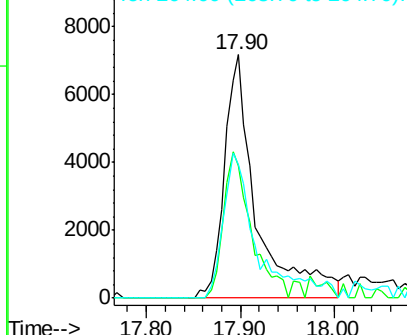
264 54.8 49.6 74.4

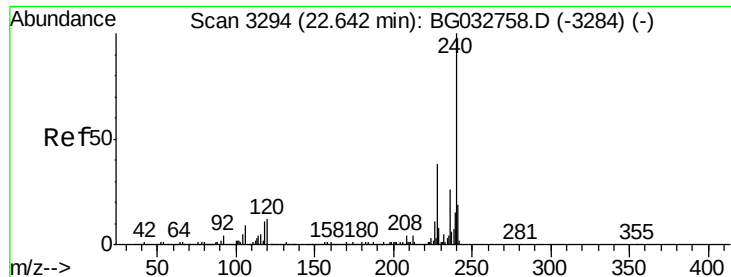


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

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ClientSampleId :

MHC-WCIS

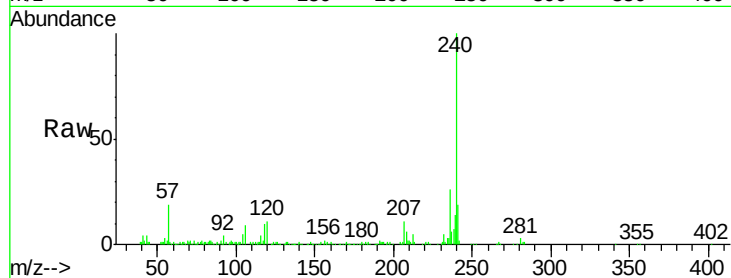
Tot Ion:240 Resp: 242227

Ion Ratio Lower Upper

240 100

120 11.1 6.8 10.2#

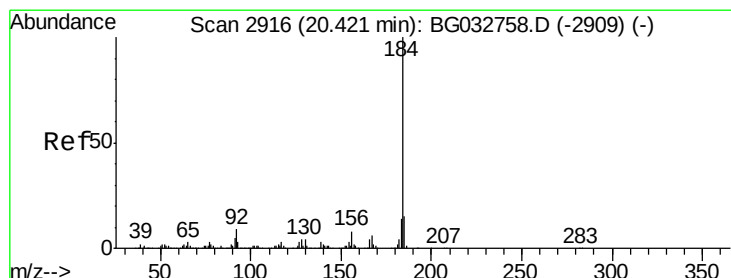
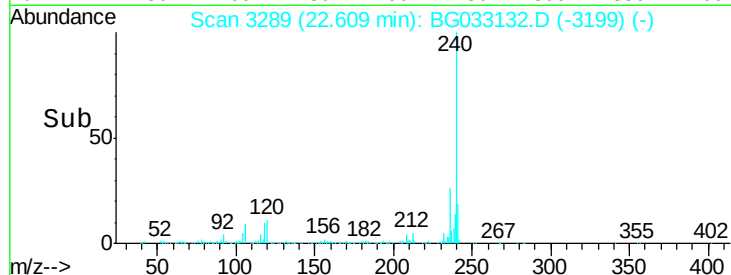
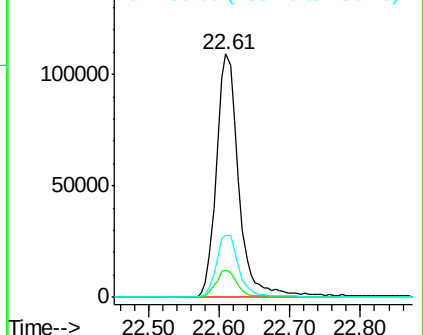
236 25.6 20.9 31.3



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



#76

Benzidine

Concen: 4.304 ng

RT: 20.41 min Scan# 2914

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

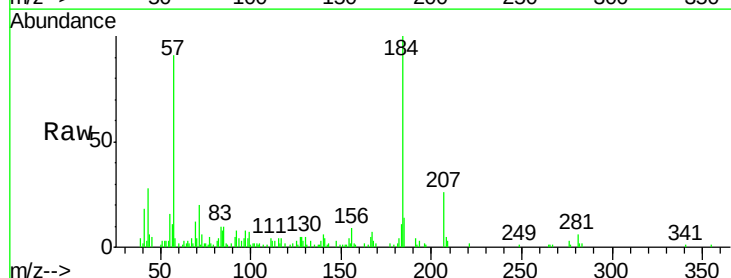
Tgt Ion:184 Resp: 35533

Ion Ratio Lower Upper

184 100

185 14.1 11.1 16.7

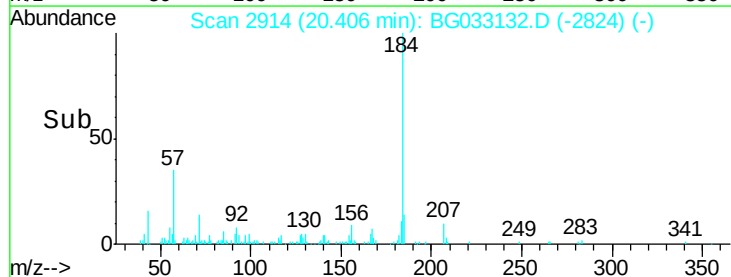
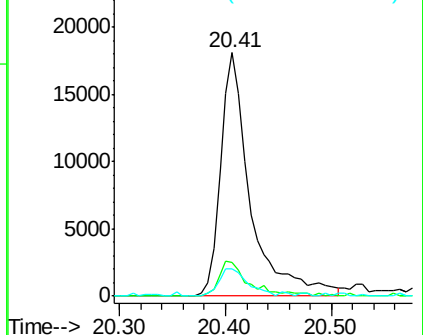
183 11.4 10.6 16.0

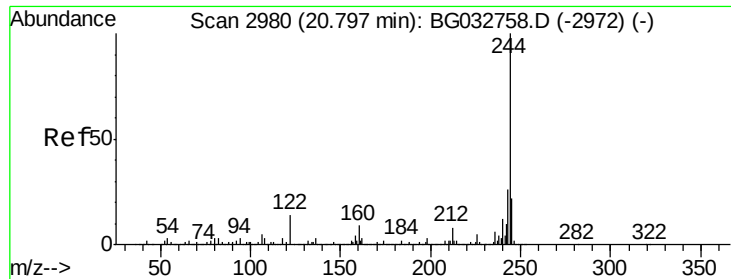


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 107.333 ng

RT: 20.77 min Scan# 2976

Delta R.T. 0.00 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

Instrument :

BNA_G

ClientSampled :

MHC-WCIS

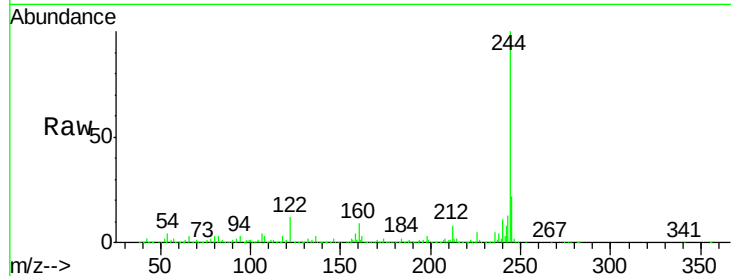
Tot Ion:244 Resp: 1157190

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

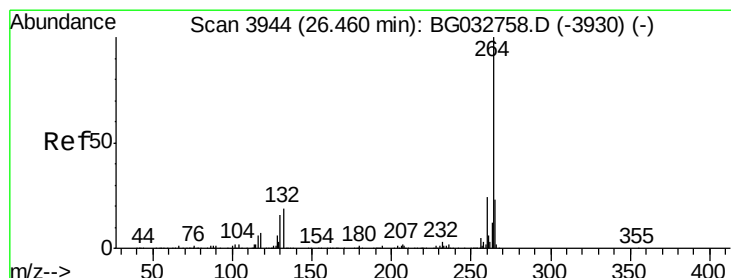
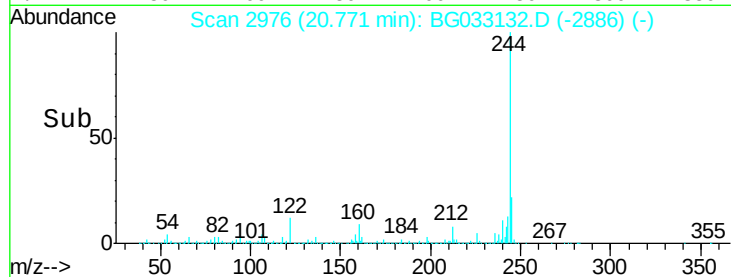
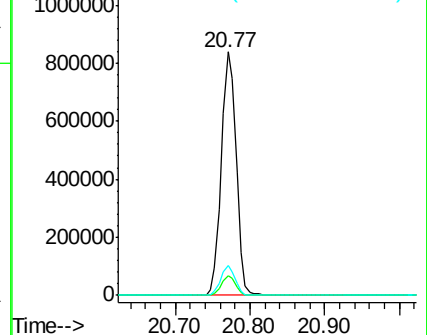
122 12.3 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.42 min Scan# 3938

Delta R.T. 0.01 min

Lab File: BG033132.D

Acq: 14 Mar 2018 2:13

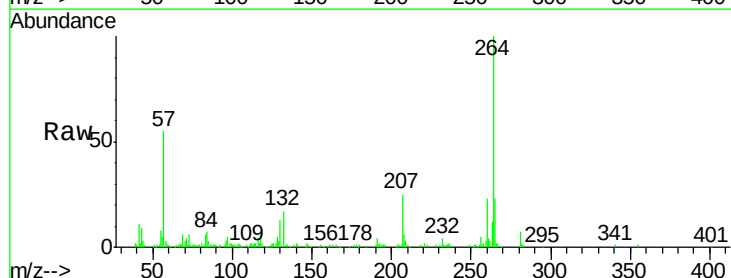
Tgt Ion:264 Resp: 215152

Ion Ratio Lower Upper

264 100

260 22.9 17.4 26.0

265 22.8 17.7 26.5



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

