

Data Path : Z:\HPCHEM1\BNA G\DATA\BG121817\
 Data File : BG031641.D
 Acq On : 18 Dec 2017 19:35
 Operator : SJ/JU
 Sample : I6680-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 19 07:03:23 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG121117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 11 17:25:55 2017
 Response via : Initial Calibration

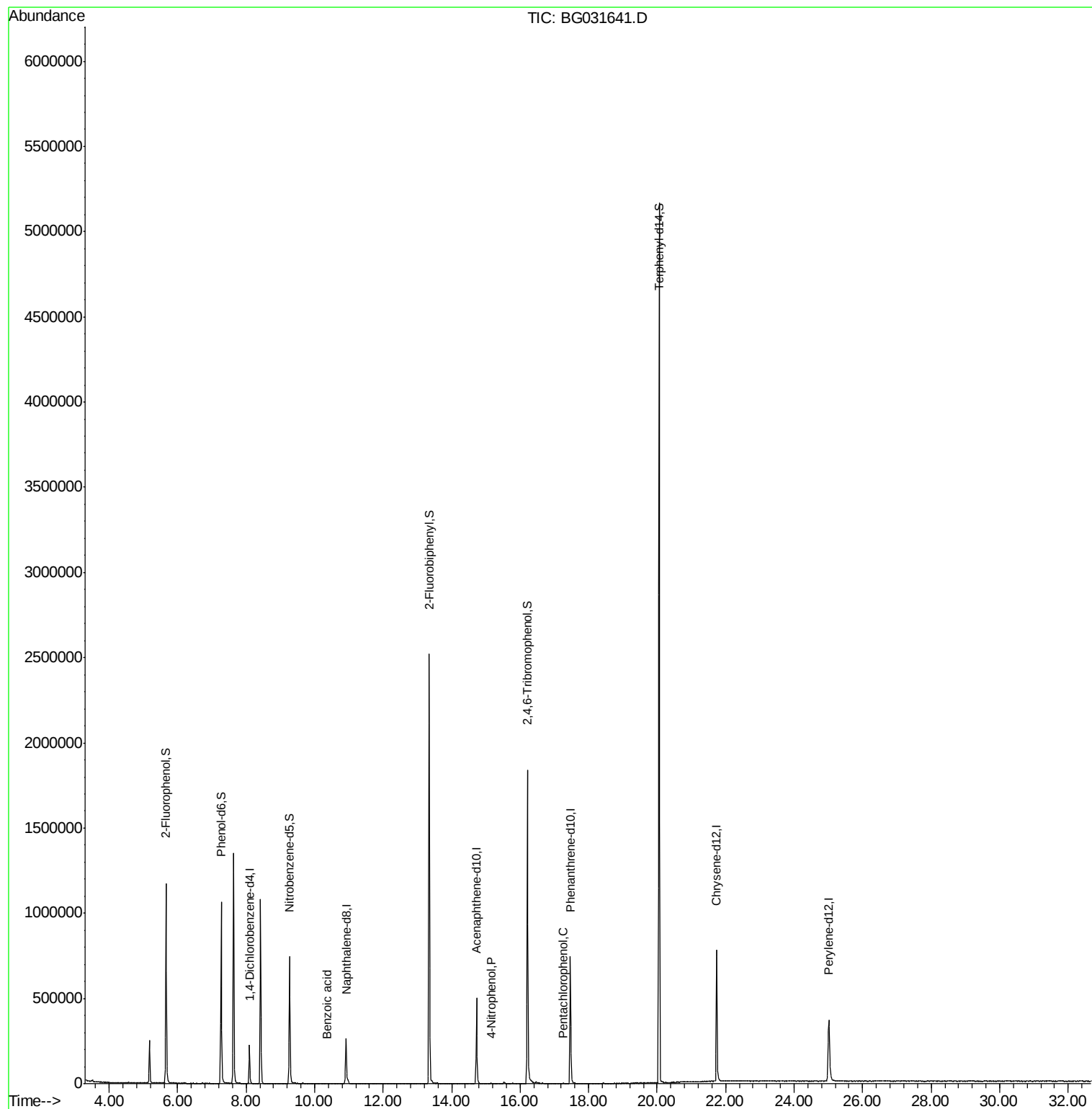
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	70873	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	303498	20.00	ng	0.00
38) Acenaphthene-d10	14.72	164	201611	20.00	ng	0.00
63) Phenanthrene-d10	17.47	188	532368	20.00	ng	0.00
75) Chrysene-d12	21.73	240	560255	20.00	ng	-0.01
86) Perylene-d12	25.01	264	477913	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	598224	149.61	ng	0.00
7) Phenol-d6	7.27	99	683724	123.18	ng	0.00
23) Nitrobenzene-d5	9.27	82	503744	102.30	ng	0.00
41) 2,4,6-Tribromophenol	16.21	330	420744	178.13	ng	0.00
44) 2-Fluorobiphenyl	13.34	172	1469873	107.02	ng	0.00
78) Terphenyl-d14	20.06	244	2524113	102.50	ng	0.00
Target Compounds						
32) Benzoic acid	10.35	122	61	6.982	ng	# 1
55) 4-Nitrophenol	15.15	139	744	3.832	ng	# 1
69) Pentachlorophenol	17.27	266	176	5.715	ng	# 19

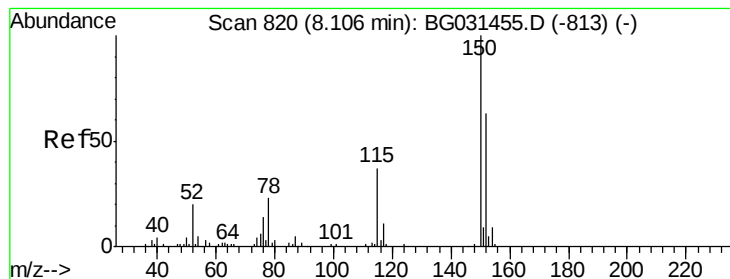
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 19 07:03:23 2017
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



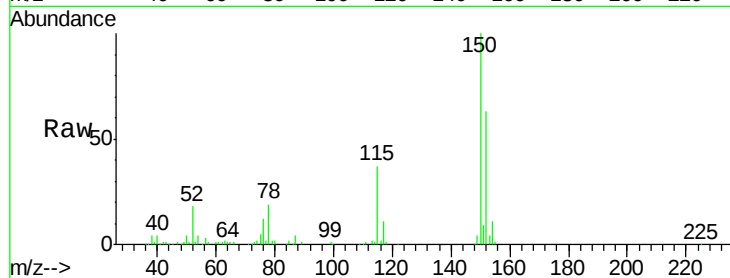


#1

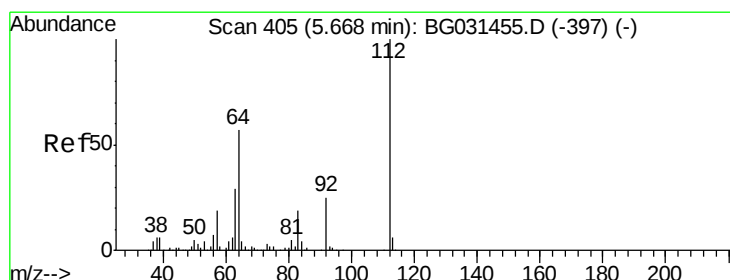
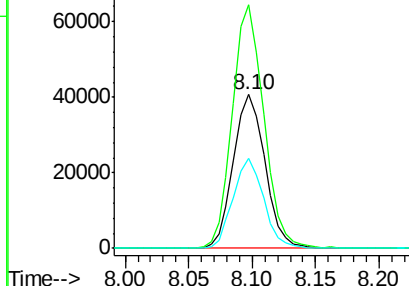
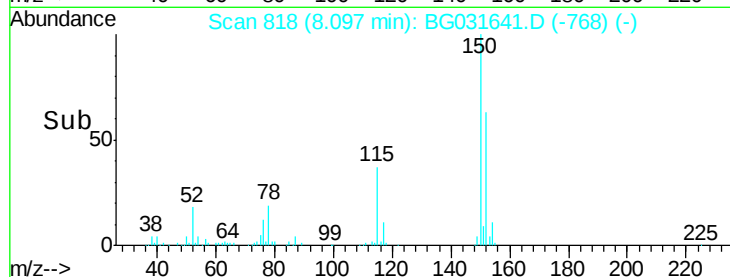
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG031641.D
Acq: 18 Dec 2017 19:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 70873
Ion Ratio Lower Upper
152 100
150 158.6 126.6 189.8
115 58.3 53.0 79.4



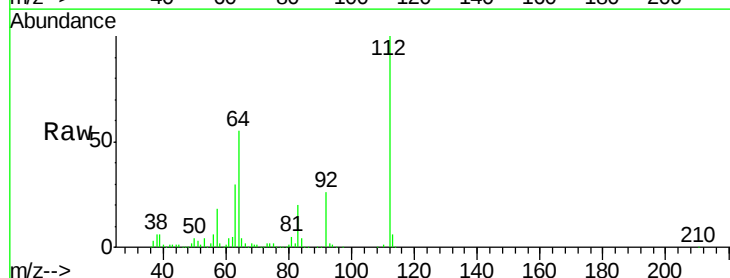
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



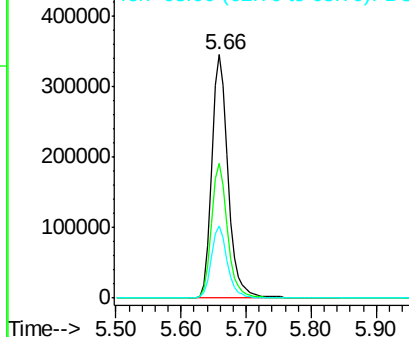
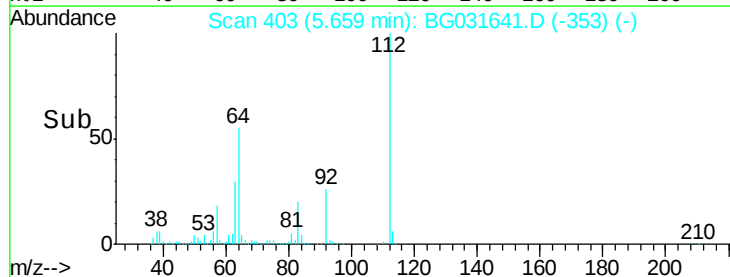
#5

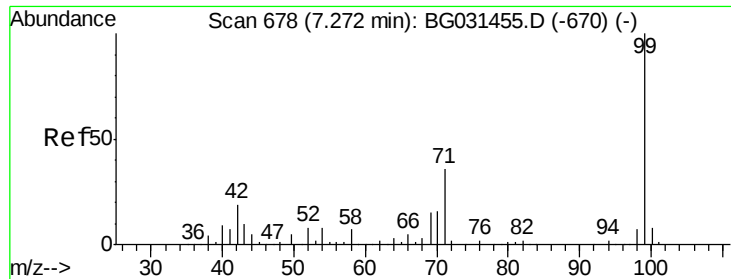
2-Fluorophenol
Concen: 149.615 ng
RT: 5.66 min Scan# 403
Delta R.T. -0.01 min
Lab File: BG031641.D
Acq: 18 Dec 2017 19:35

Tgt Ion:112 Resp: 598224
Ion Ratio Lower Upper
112 100
64 55.2 56.3 84.5#
63 29.7 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: 123.177 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.00 min

Lab File: BG031641.D

Acq: 18 Dec 2017 19:35

Instrument :

BNA_G

ClientSampleId :

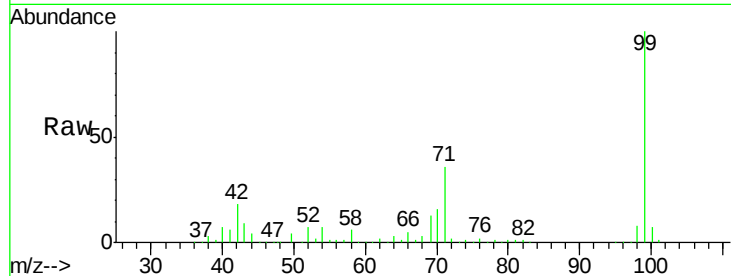
Tot Ion: 99 Resp: 683724

Ion Ratio Lower Upper

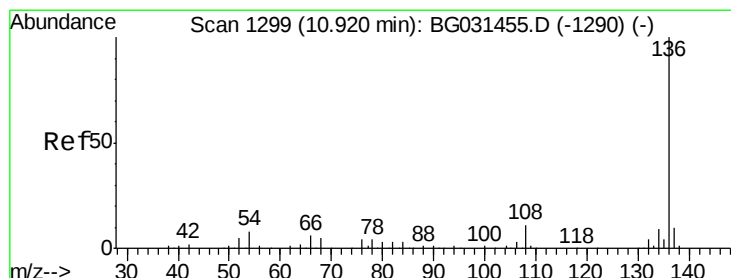
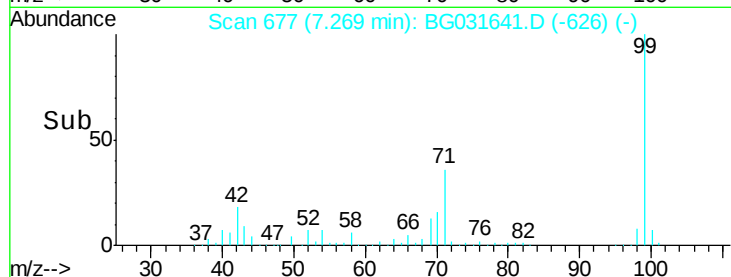
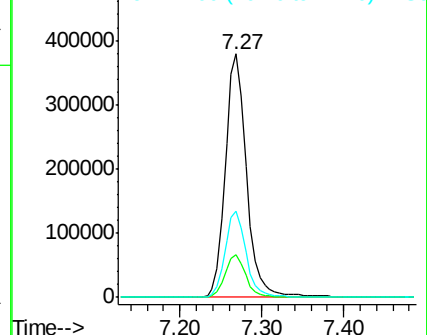
99 100

42 17.7 14.1 21.1

71 35.6 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: 10.92 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BG031641.D

Acq: 18 Dec 2017 19:35

Tgt Ion: 136 Resp: 303498

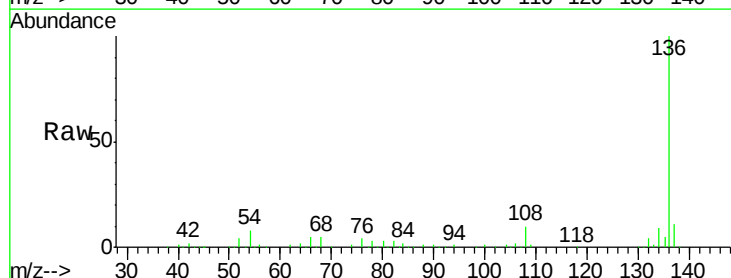
Ion Ratio Lower Upper

136 100

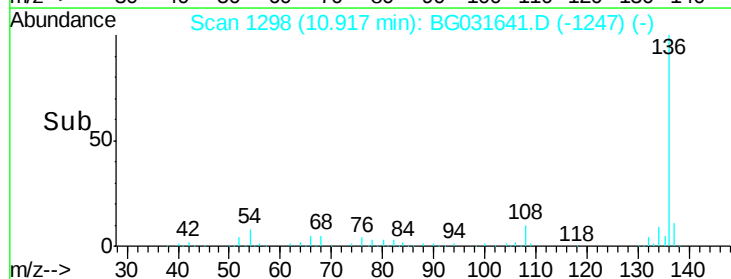
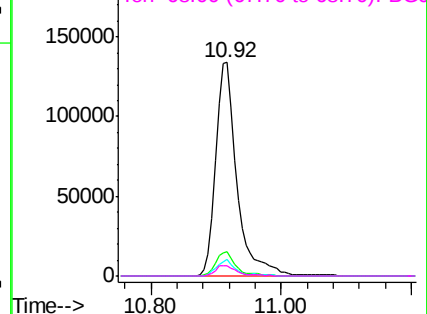
137 11.5 9.2 13.8

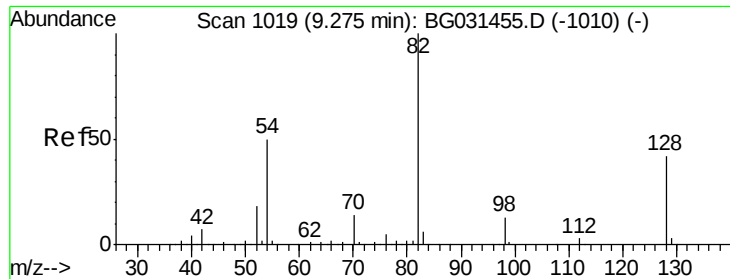
54 7.9 10.3 15.5#

68 5.0 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

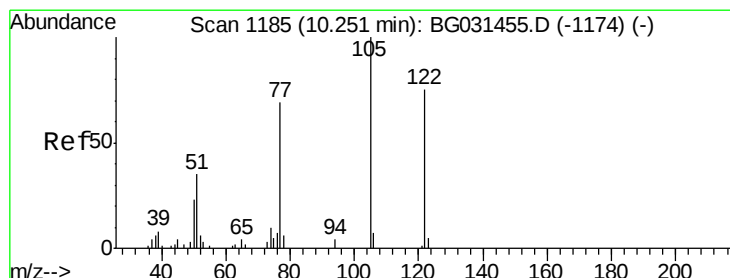
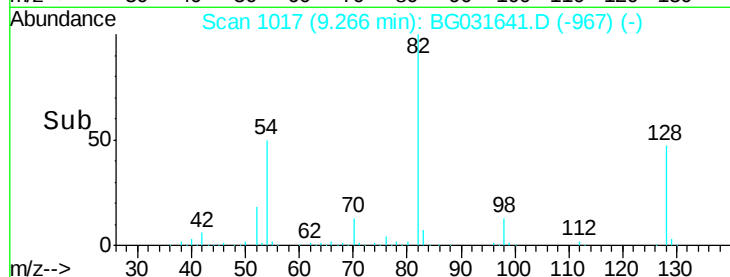
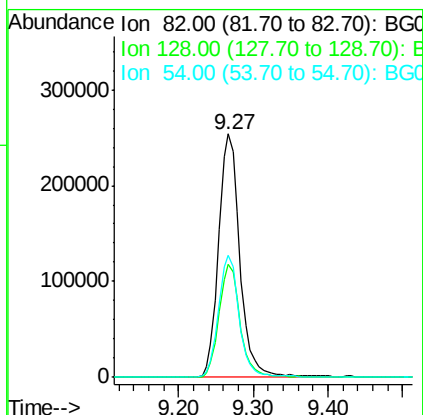
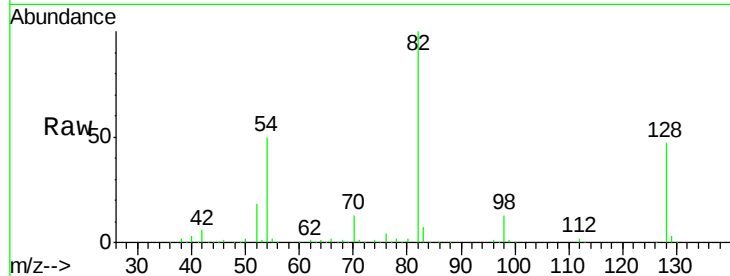




#23
 Nitrobenzene-d5
 Concen: 102.304 ng
 RT: 9.27 min Scan# 1017
 Delta R.T. -0.01 min
 Lab File: BG031641.D
 Acq: 18 Dec 2017 19:35

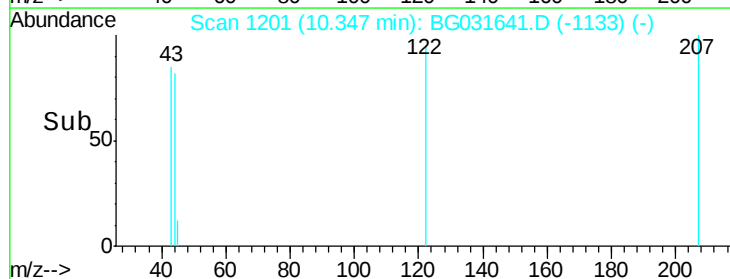
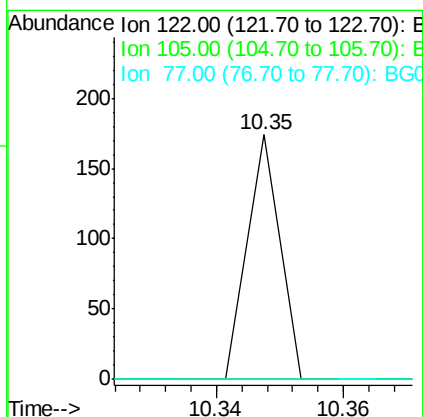
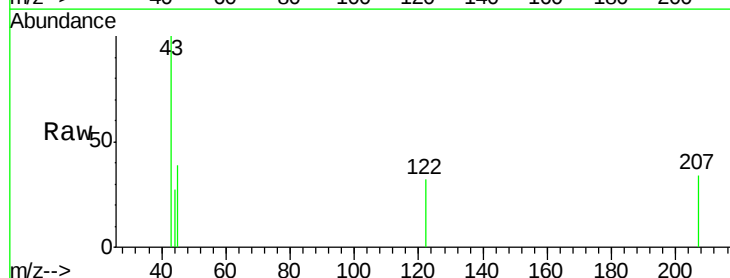
Instrument :
 BNA_G
 ClientSampleId :

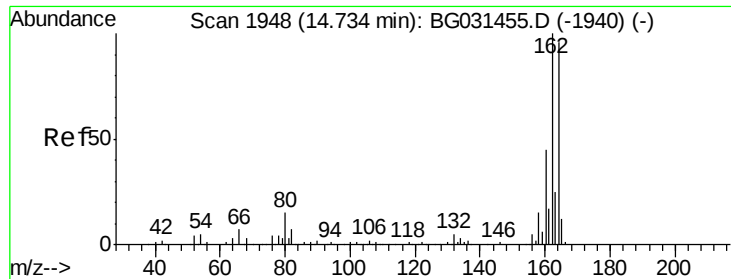
Tot Ion: 82 Resp: 503744
 Ion Ratio Lower Upper
 82 100
 128 46.6 29.7 44.5#
 54 50.1 43.1 64.7



#32
 Benzoic acid
 Concen: 6.982 ng
 RT: 10.35 min Scan# 1201
 Delta R.T. 0.10 min
 Lab File: BG031641.D
 Acq: 18 Dec 2017 19:35

Tgt Ion: 122 Resp: 61
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.5 163.5#
 77 0.0 85.7 125.7#

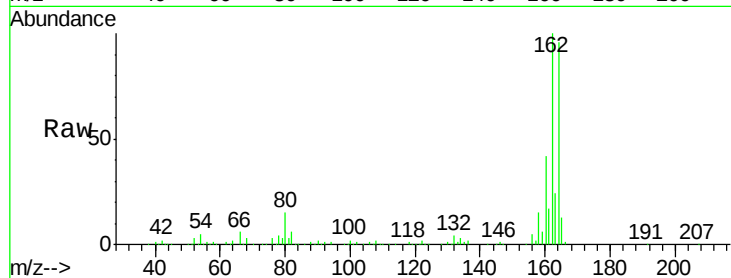




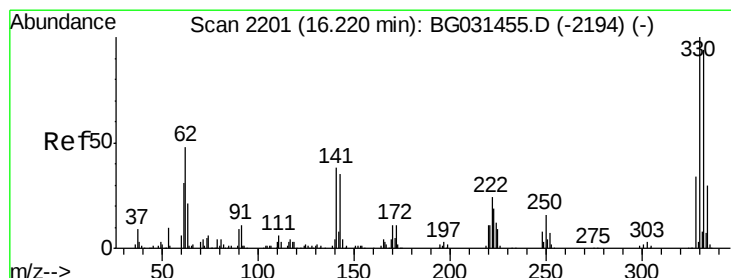
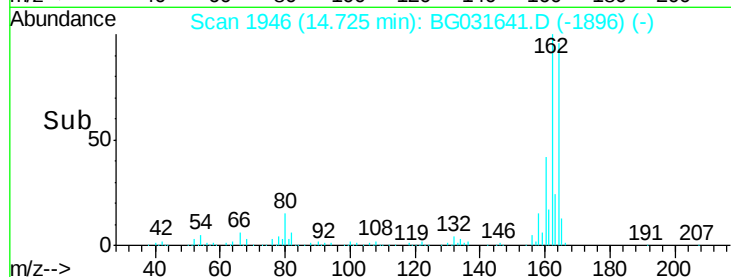
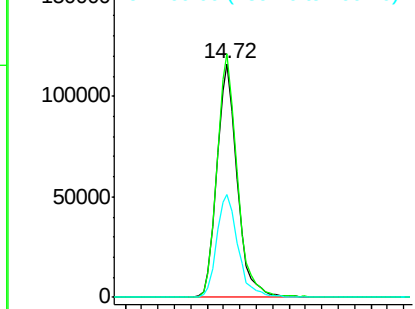
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.72 min Scan# 1946
Delta R.T. -0.01 min
Lab File: BG031641.D
Acq: 18 Dec 2017 19:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 201611
Ion Ratio Lower Upper
164 100
162 104.2 78.8 118.2
160 43.9 35.4 53.0

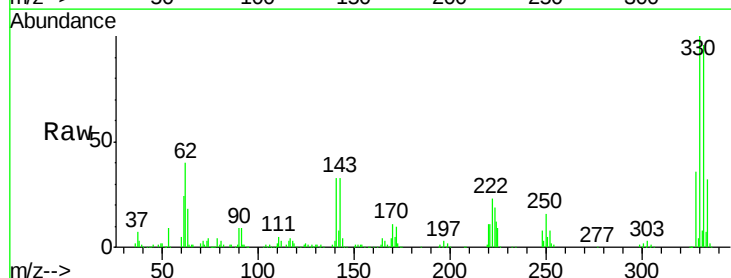


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

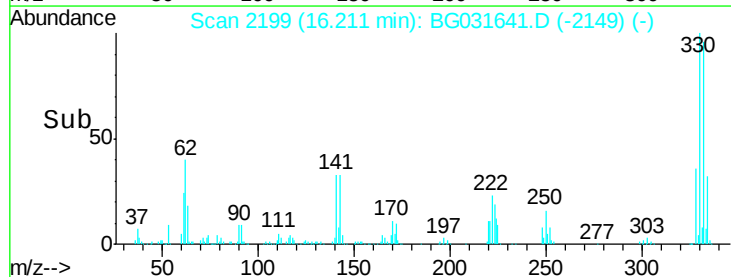
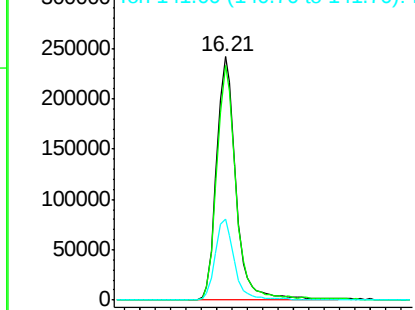


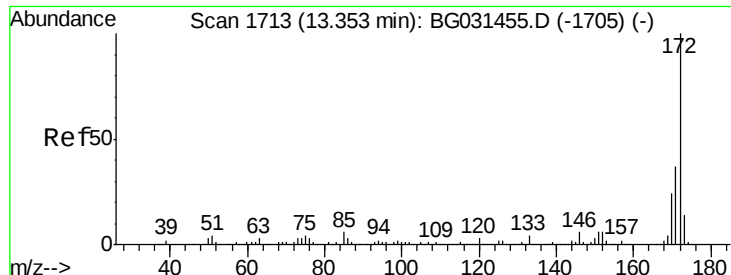
#41
2,4,6-Tribromophenol
Concen: 178.134 ng
RT: 16.21 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BG031641.D
Acq: 18 Dec 2017 19:35

Tgt Ion:330 Resp: 420744
Ion Ratio Lower Upper
330 100
332 95.9 77.0 115.6
141 33.2 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



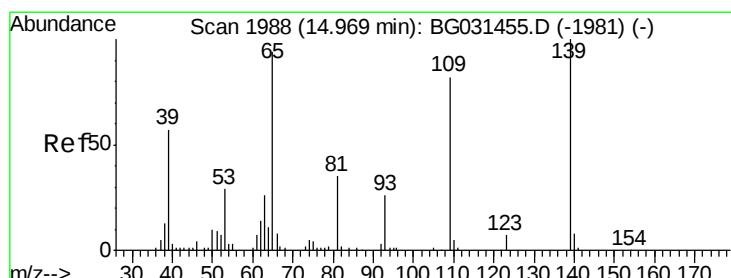
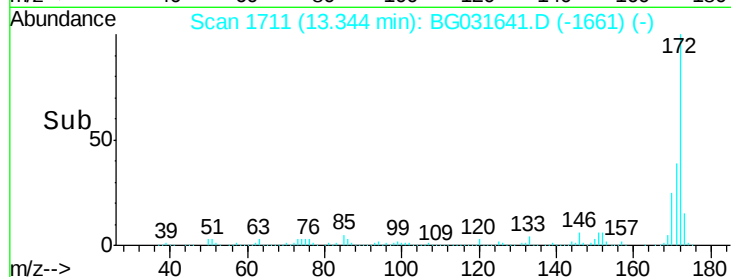
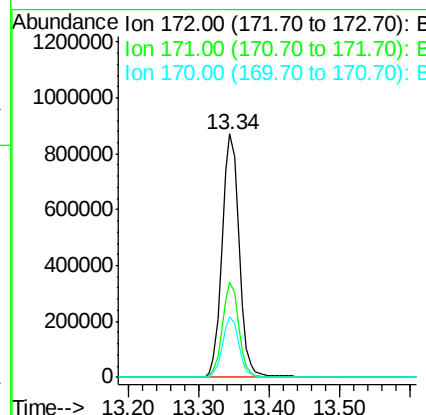
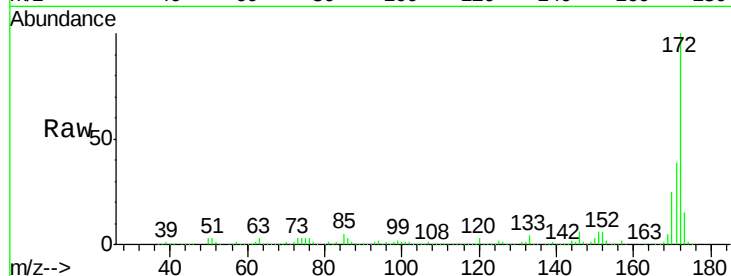


#44
 2-Fluorobiphenyl
 Concen: 107.017 ng
 RT: 13.34 min Scan# 1711
 Delta R.T. -0.01 min
 Lab File: BG031641.D
 Acq: 18 Dec 2017 19:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1469873

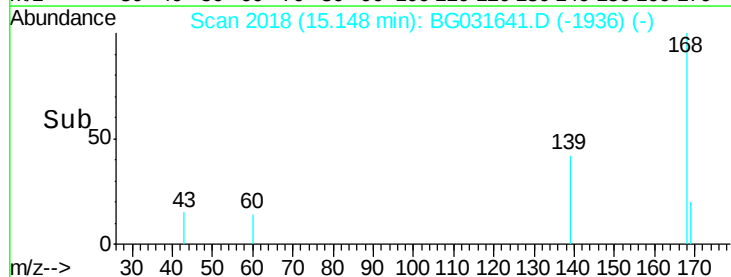
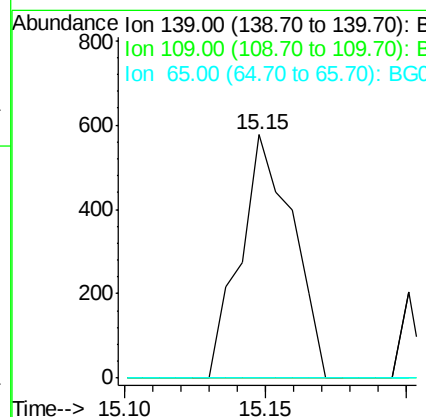
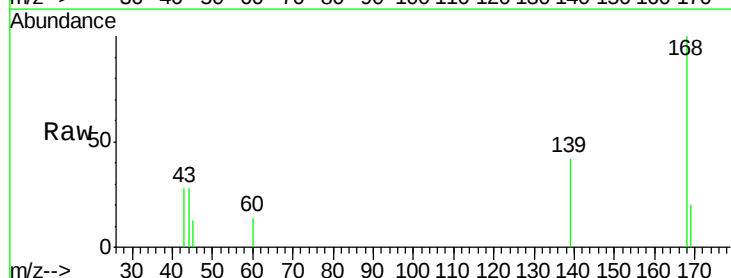
Ion	Ratio	Lower	Upper
172	100		
171	38.8	30.0	45.0
170	25.0	19.5	29.3

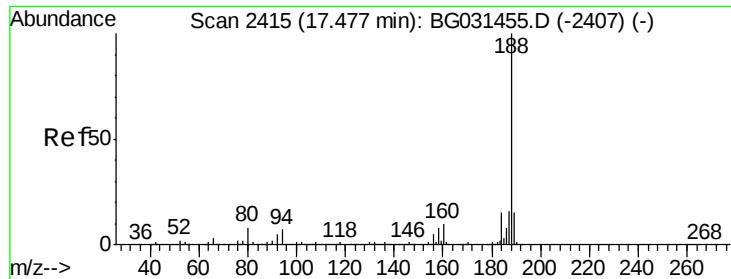


#55
 4-Nitrophenol
 Concen: 3.832 ng
 RT: 15.15 min Scan# 2018
 Delta R.T. 0.18 min
 Lab File: BG031641.D
 Acq: 18 Dec 2017 19:35

Tgt Ion:139 Resp: 744

Ion	Ratio	Lower	Upper
139	100		
109	0.0	62.2	102.2#
65	0.0	97.2	137.2#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.47 min Scan# 2413

Delta R.T. -0.01 min

Lab File: BG031641.D

Acq: 18 Dec 2017 19:35

Instrument :

BNA_G

ClientSampleId :

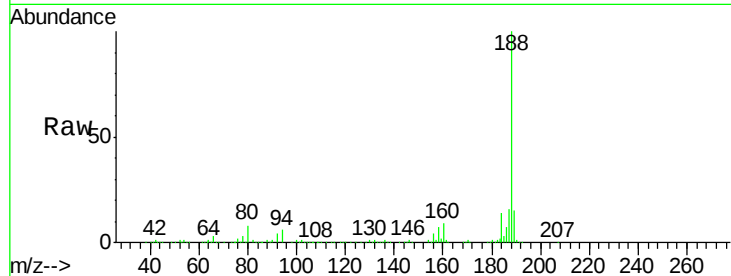
Tot Ion:188 Resp: 532368

Ion Ratio Lower Upper

188 100

94 6.0 6.9 10.3#

80 7.5 7.7 11.5#

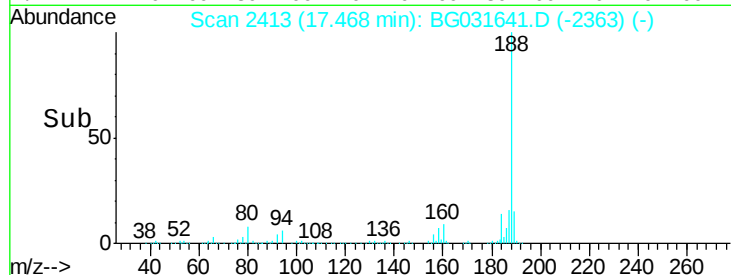


Abundance Ion 188.00 (187.70 to 188.70): E

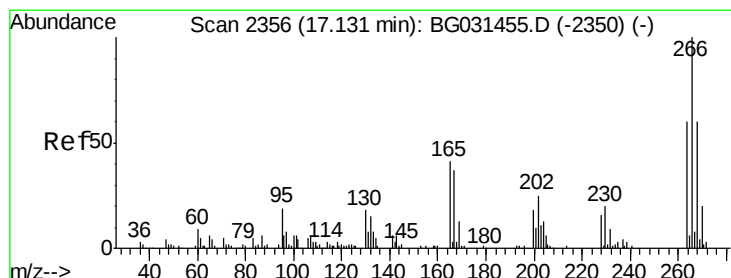
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#69

Pentachlorophenol

Concen: 5.715 ng

RT: 17.27 min Scan# 2379

Delta R.T. 0.14 min

Lab File: BG031641.D

Acq: 18 Dec 2017 19:35

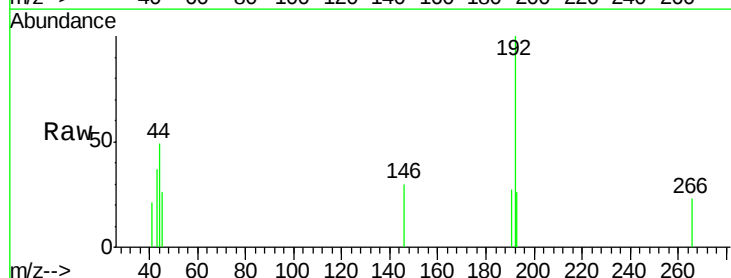
Tgt Ion:266 Resp: 176

Ion Ratio Lower Upper

266 100

268 0.0 51.1 76.7#

264 0.0 49.6 74.4#

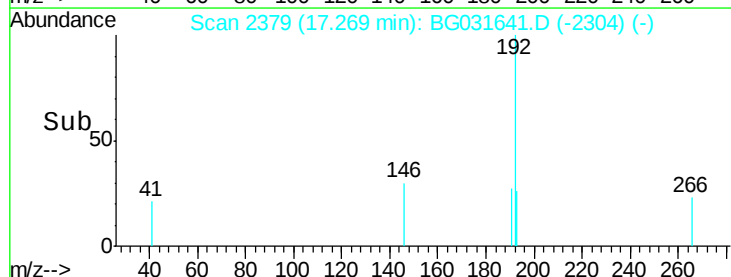


Abundance Ion 265.70 (265.40 to 266.40): E

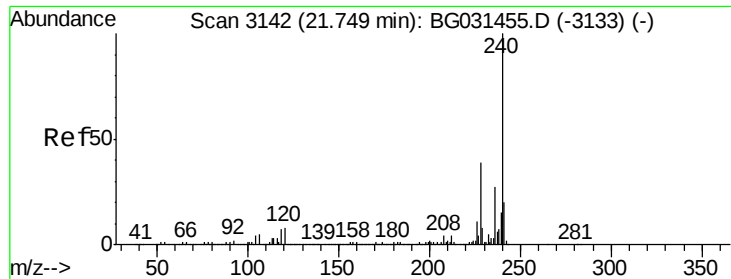
Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E

Time-->



Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.73 min Scan# 3139

Delta R.T. -0.01 min

Lab File: BG031641.D

Acq: 18 Dec 2017 19:35

Instrument :

BNA_G

ClientSampleId :

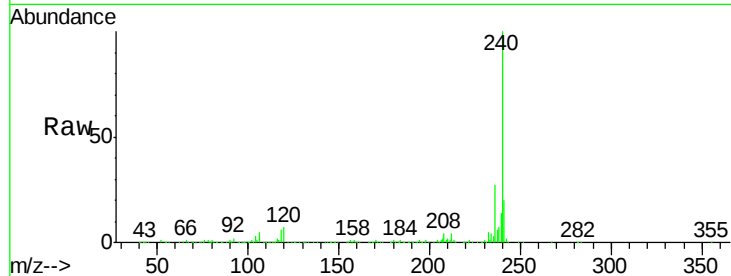
Tot Ion:240 Resp: 560255

Ion Ratio Lower Upper

240 100

120 7.4 6.8 10.2

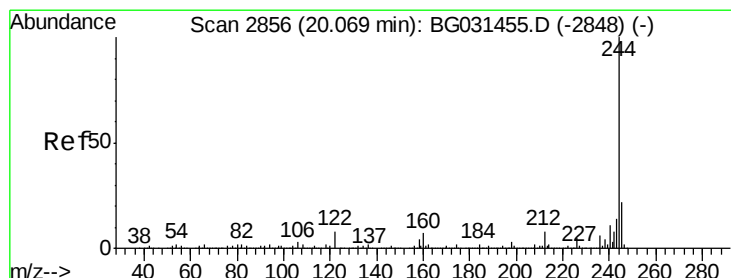
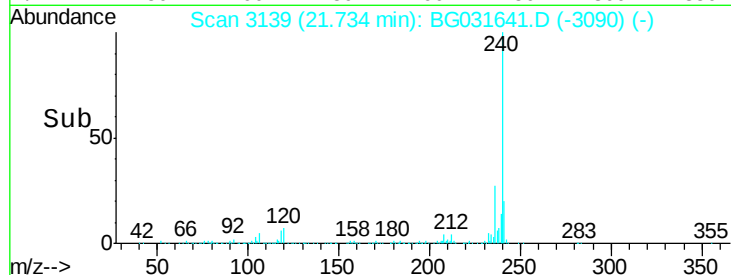
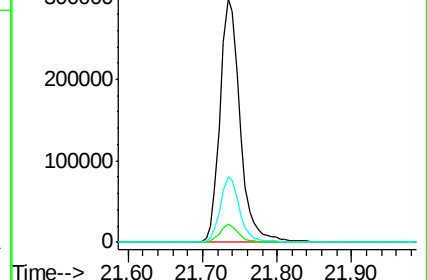
236 27.1 20.9 31.3



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



#78

Terphenyl-d14

Concen: 102.503 ng

RT: 20.06 min Scan# 2854

Delta R.T. -0.01 min

Lab File: BG031641.D

Acq: 18 Dec 2017 19:35

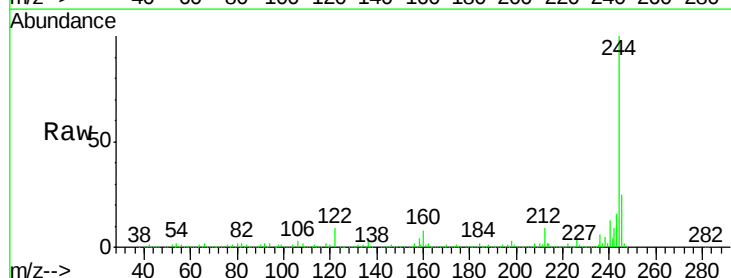
Tgt Ion:244 Resp: 2524113

Ion Ratio Lower Upper

244 100

212 9.1 5.8 8.8#

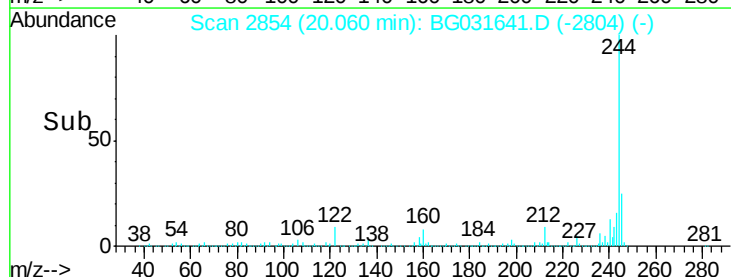
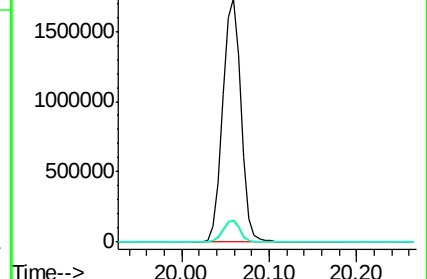
122 8.7 7.0 10.4

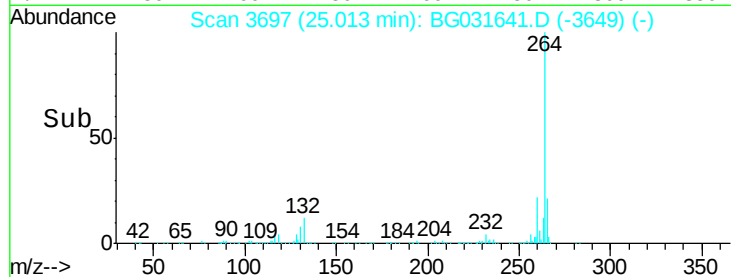
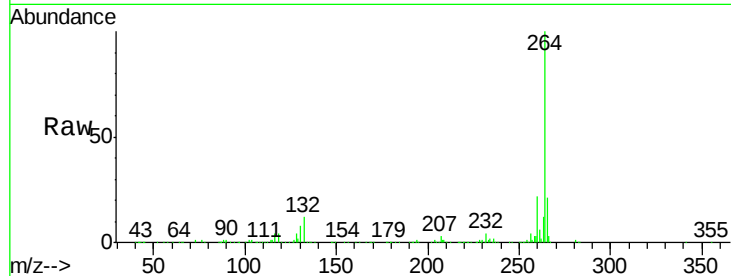
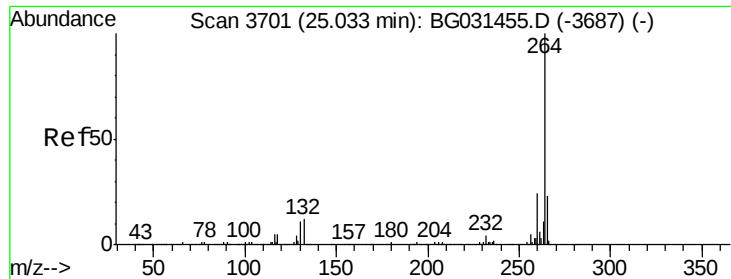


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3697

Delta R.T. -0.02 min

Lab File: BG031641.D

Acq: 18 Dec 2017 19:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:264 Resp: 477913

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 20.5 17.7 26.5

