

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG071320\
 Data File : BG046018.D
 Acq On : 13 Jul 2020 10:50
 Operator : CG/JU
 Sample : L3203-11
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RO-20

Quant Time: Jul 13 11:33:43 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:58:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.00	152	151581	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	604430	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	367995	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	801366	20.00	ng	0.00
76) Chrysene-d12	21.62	240	792433	20.00	ng	0.00
86) Perylene-d12	24.78	264	741230	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	1214972	129.98	ng	0.00
7) Phenol-d6	7.17	99	1541086	114.52	ng	0.00
23) Nitrobenzene-d5	9.16	82	1253449	119.36	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	580032	169.83	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	2449200	103.81	ng	0.00
79) Terphenyl-d14	19.98	244	3418019	95.99	ng	0.00

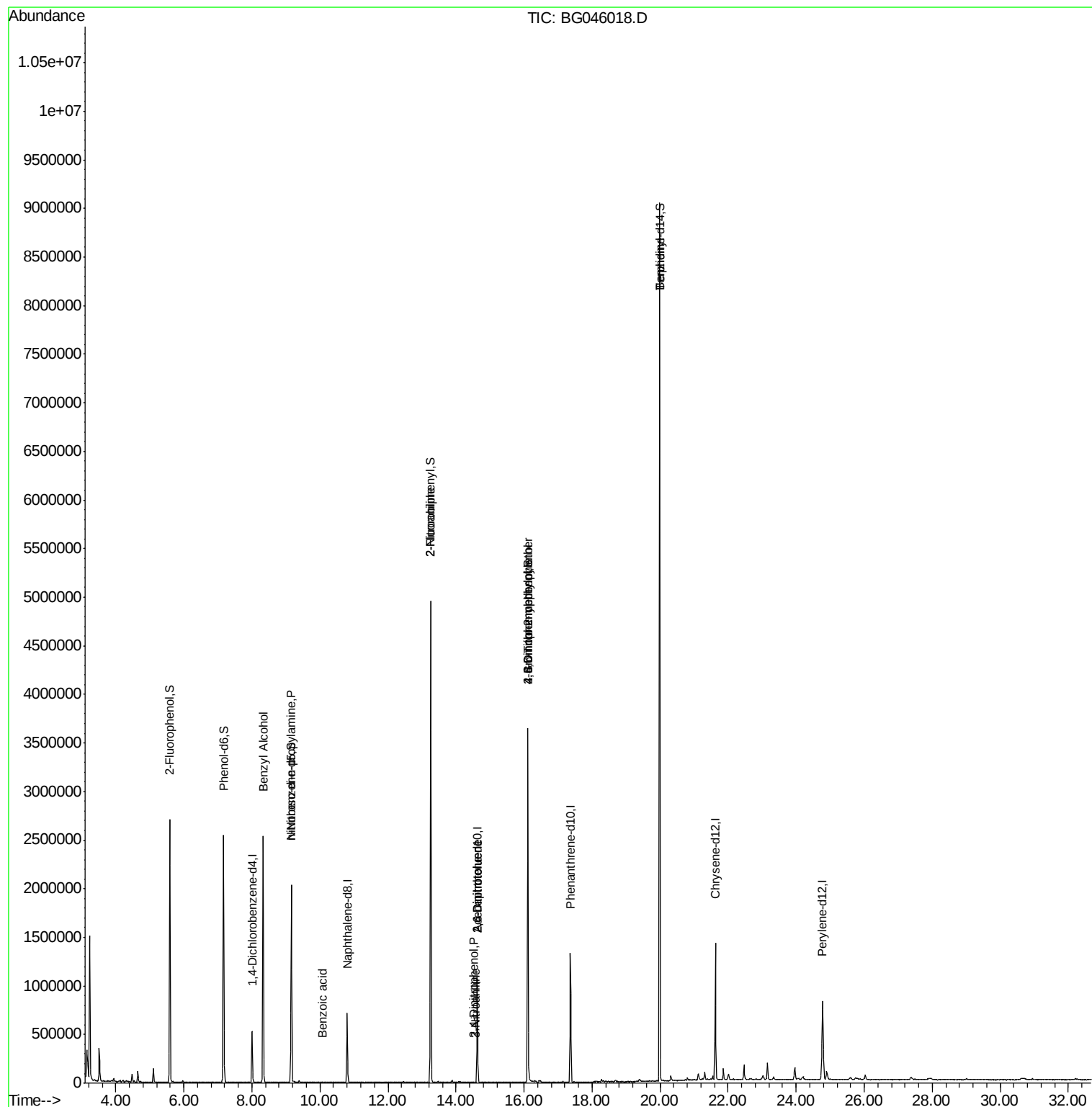
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	8.33	79	23448	2.222	ng	# 52
19) n-Nitroso-di-n-propylamine	9.16	70	169889	17.970	ng	# 80
32) Benzoic acid	10.09	122	97	6.522	ng	# 18
48) 2-Nitroaniline	13.25	65	5116	4.147	ng	# 1
51) 2,6-Dinitrotoluene	14.63	165	46947	12.160	ng	# 19
53) 3-Nitroaniline	14.57	138	54	2.991	ng	# 1
54) 2,4-Dinitrophenol	14.53	184	67	6.144	ng	# 17
57) 2,4-Dinitrotoluene	14.63	165	46947	10.759	ng	# 20
65) 4,6-Dinitro-2-methylphenol	16.11	198	2310	7.509	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	41883	4.680	ng	# 1
77) Benzidine	19.98	184	84767	3.741	ng	# 91

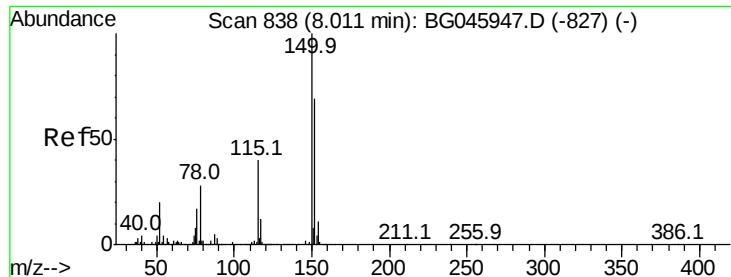
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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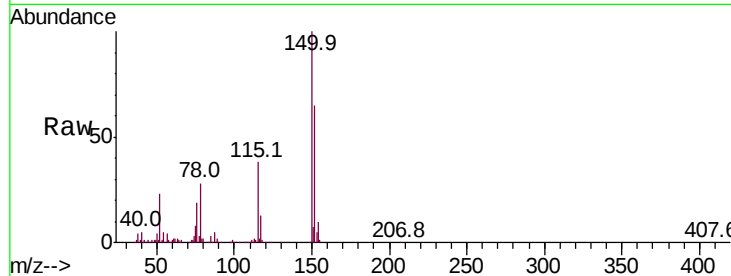


#1

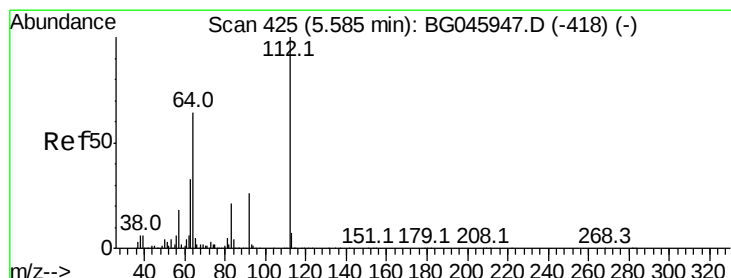
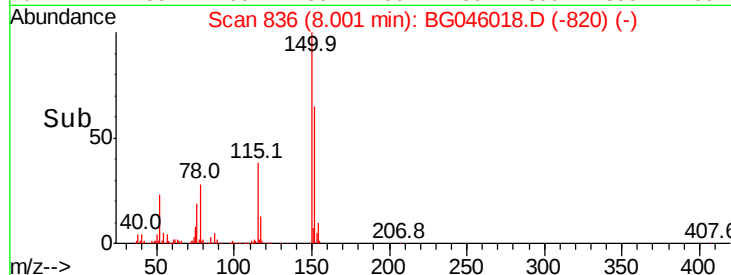
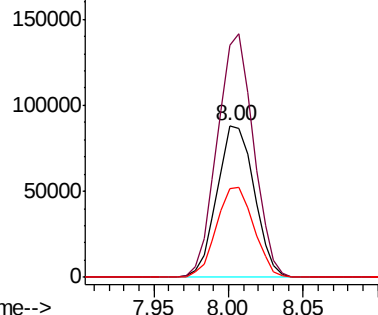
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 836
Delta R.T. -0.00 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Instrument :
BNA_G
ClientSampleId :
RO-20

Tot Ion:152 Resp: 151581
Ion Ratio Lower Upper
152 100
150 152.9 116.7 175.1
115 58.2 47.4 71.0



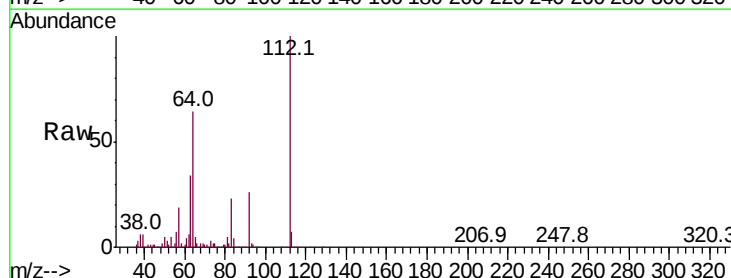
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



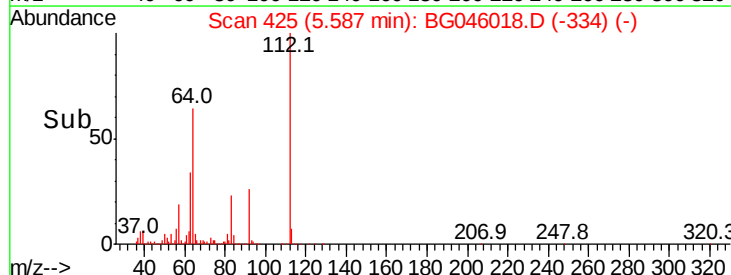
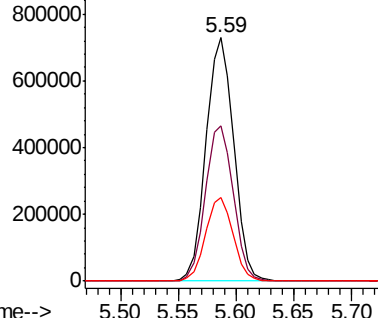
#5

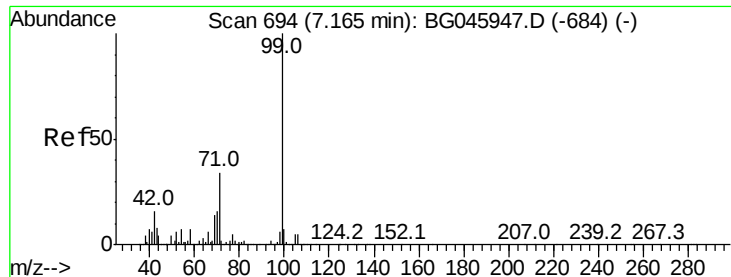
2-Fluorophenol
Concen: 129.982 ng
RT: 5.59 min Scan# 425
Delta R.T. 0.00 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Tgt Ion:112 Resp: 1214972
Ion Ratio Lower Upper
112 100
64 63.7 51.4 77.2
63 34.3 26.6 40.0



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





#7

Phenol-d6

Concen: 114.517 ng

RT: 7.17 min Scan# 694

Delta R.T. 0.00 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

Instrument :

BNA_G

ClientSampleId :

RO-20

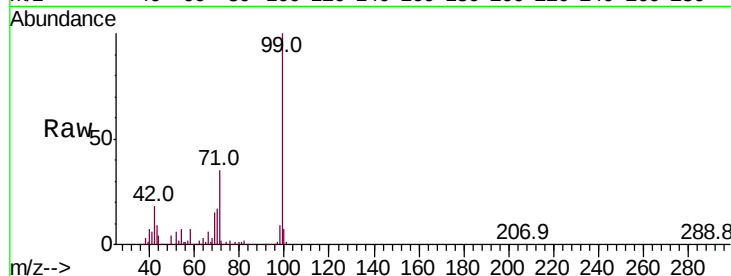
Tot Ion: 99 Resp: 1541086

Ion Ratio Lower Upper

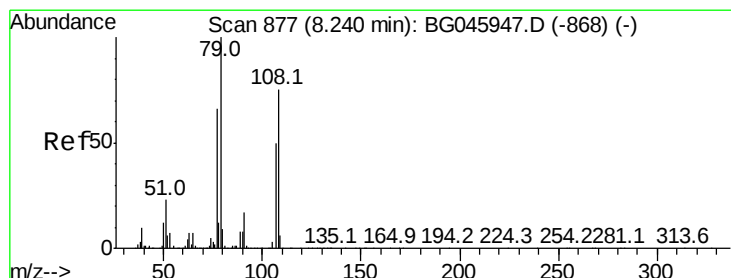
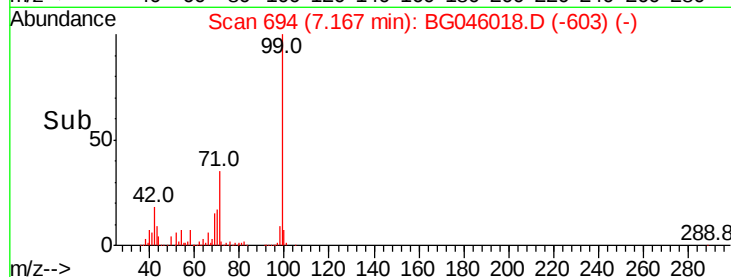
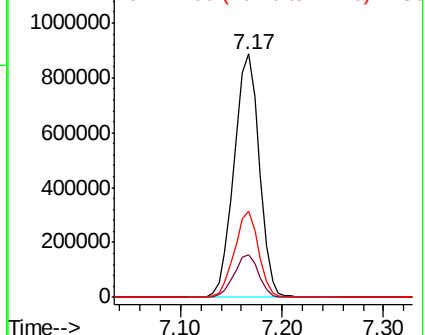
99 100

42 17.6 13.0 19.4

71 35.2 27.5 41.3



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



#15

Benzyl Alcohol

Concen: 2.222 ng

RT: 8.33 min Scan# 892

Delta R.T. 0.10 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

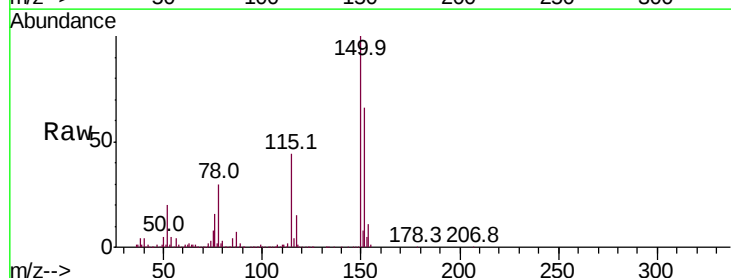
Tgt Ion: 79 Resp: 23448

Ion Ratio Lower Upper

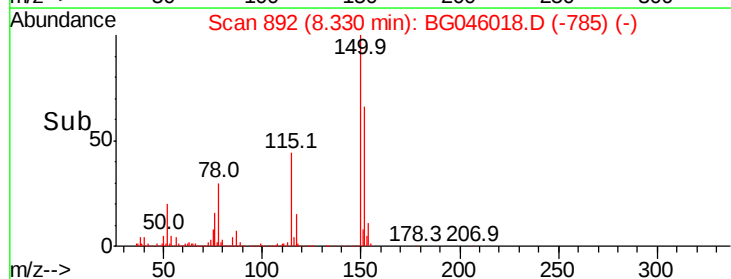
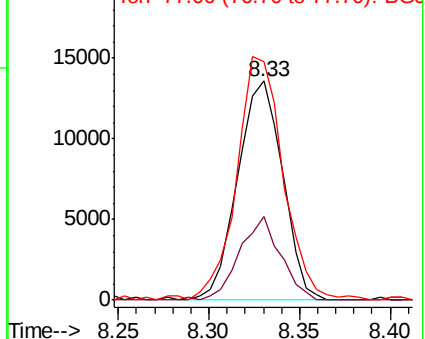
79 100

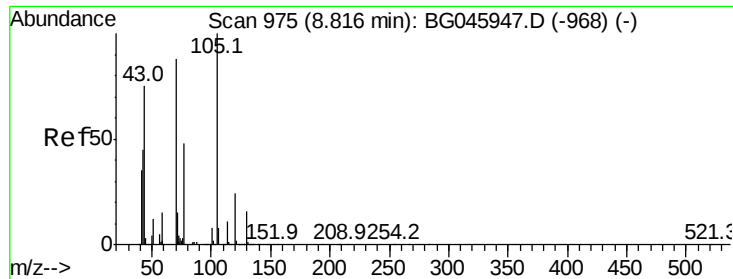
108 38.1 60.2 90.4#

77 108.8 52.9 79.3#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

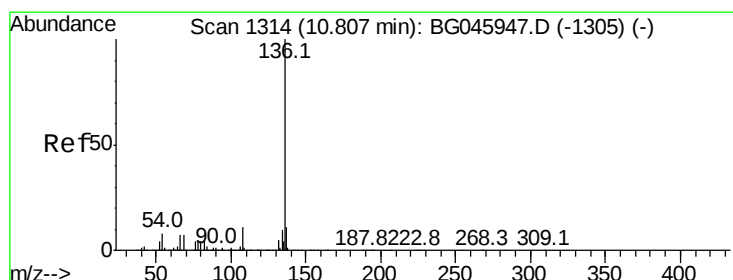
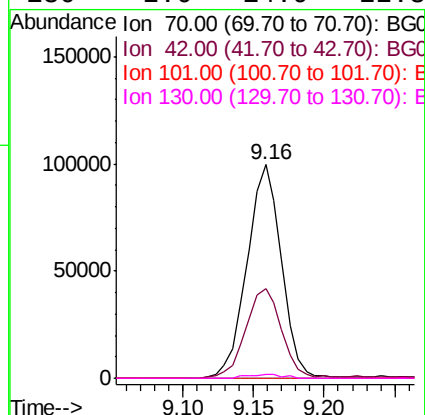
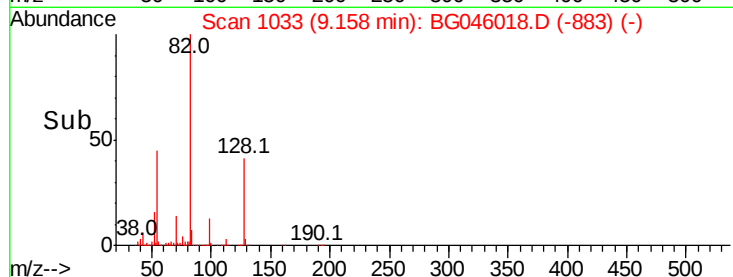
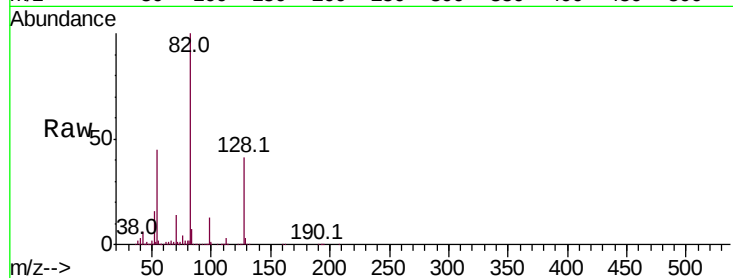




#19
n-Nitroso-di-n-propylamine
Concen: 17.970 ng
RT: 9.16 min Scan# 1033
Delta R.T. 0.35 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

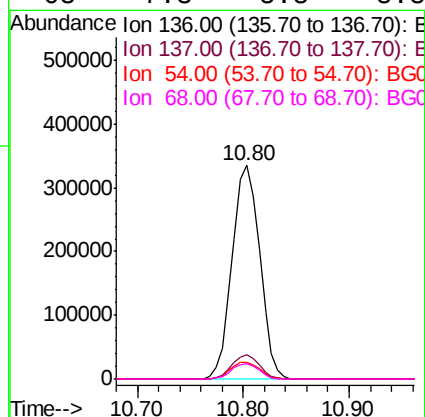
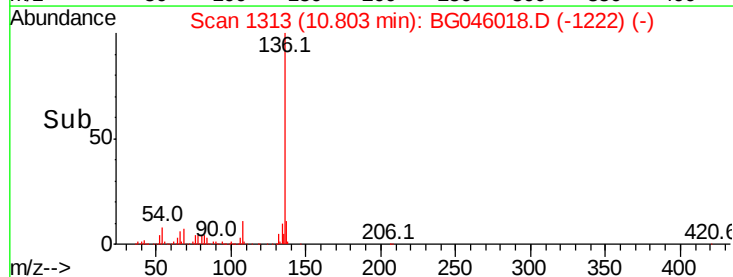
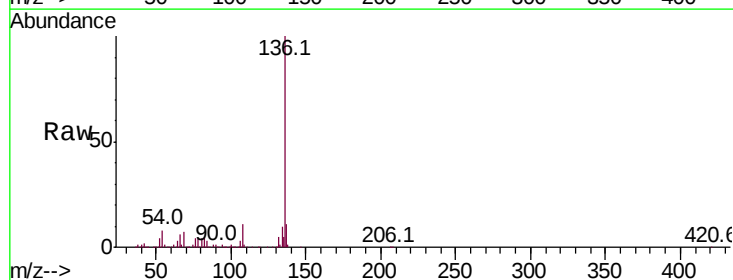
Instrument :
BNA_G
ClientSampleId :
RO-20

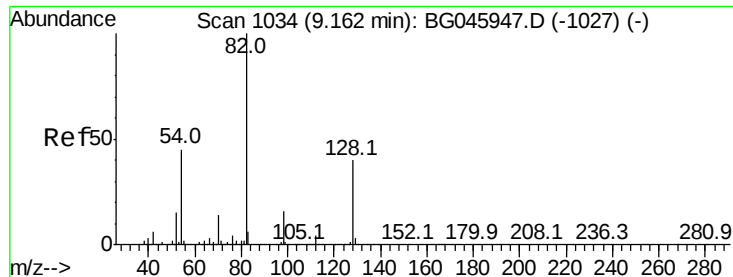
Tot Ion: 70 Resp: 169889
Ion Ratio Lower Upper
70 100
42 42.2 41.4 62.0
101 0.0 7.1 10.7#
130 2.0 14.9 22.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Tgt Ion: 136 Resp: 604430
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 7.9 6.2 9.4
68 7.3 5.8 8.8





#23

Nitrobenzene-d5

Concen: 119.362 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

Instrument :

BNA_G

ClientSampleId :

RO-20

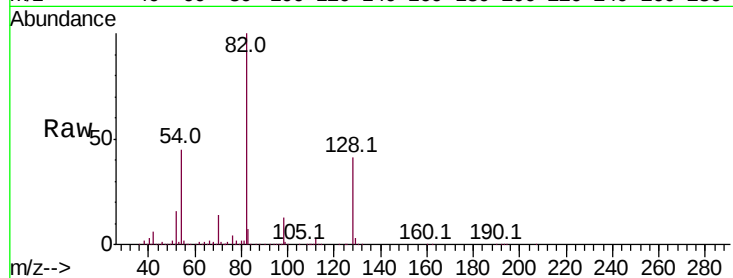
Tot Ion: 82 Resp: 1253449

Ion Ratio Lower Upper

82 100

128 41.1 32.2 48.4

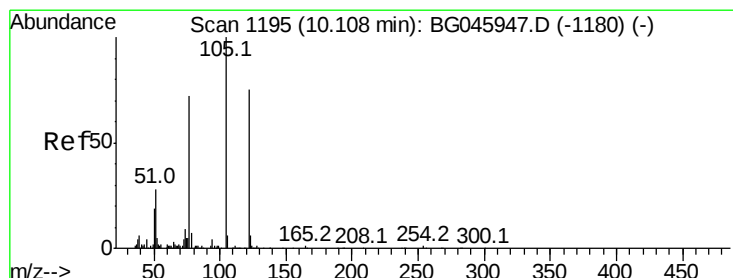
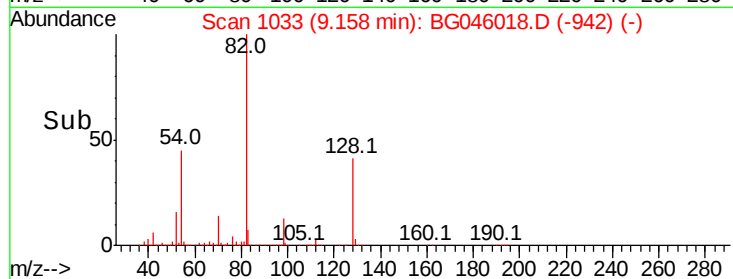
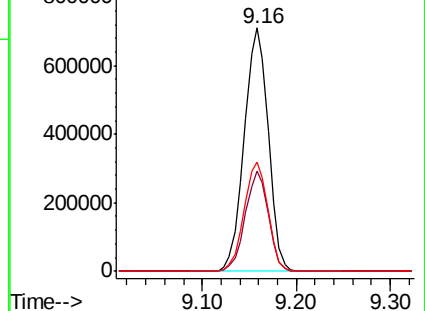
54 44.7 35.8 53.6



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#32

Benzoic acid

Concen: 6.522 ng

RT: 10.09 min Scan# 1191

Delta R.T. -0.02 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

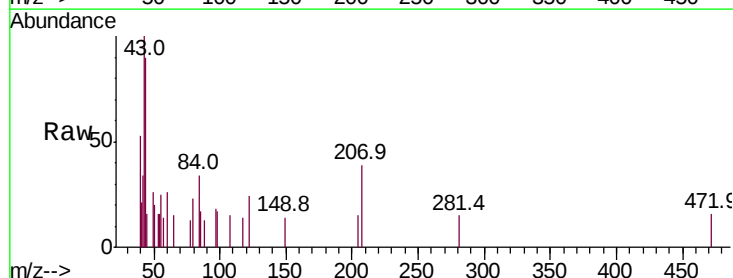
Tgt Ion: 122 Resp: 97

Ion Ratio Lower Upper

122 100

105 0.0 110.8 150.8#

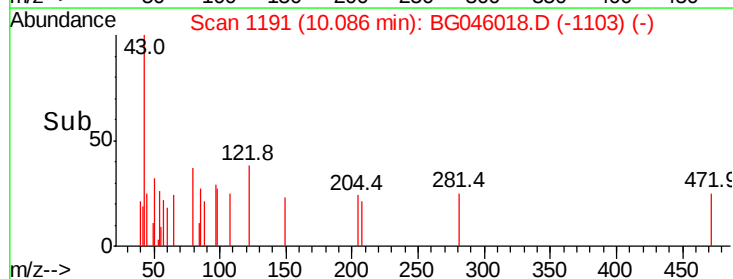
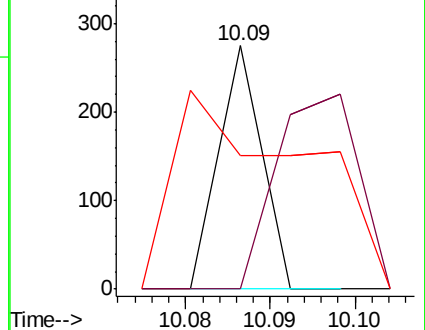
77 54.9 76.4 116.4#

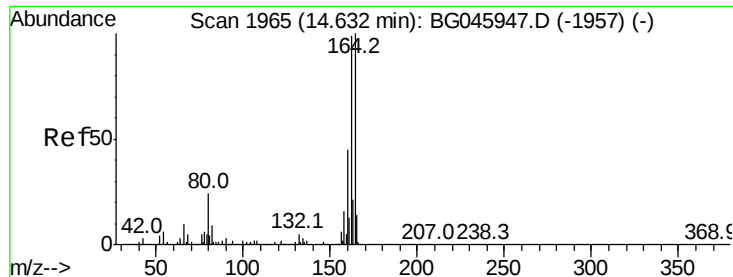


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.00 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

Instrument :

BNA_G

ClientSampleId :

RO-20

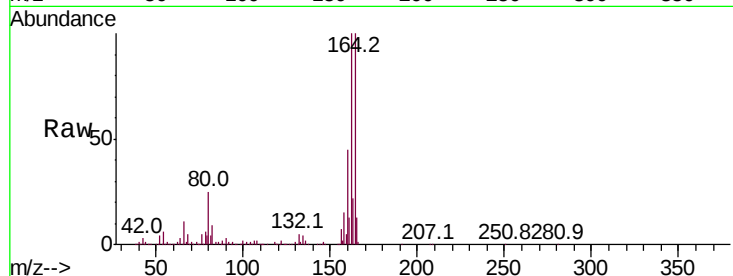
Tot Ion:164 Resp: 367995

Ion Ratio Lower Upper

164 100

162 99.8 79.3 118.9

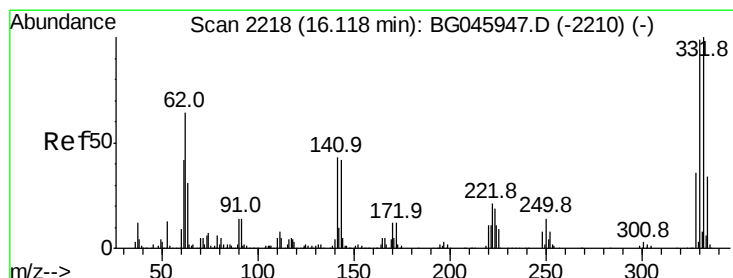
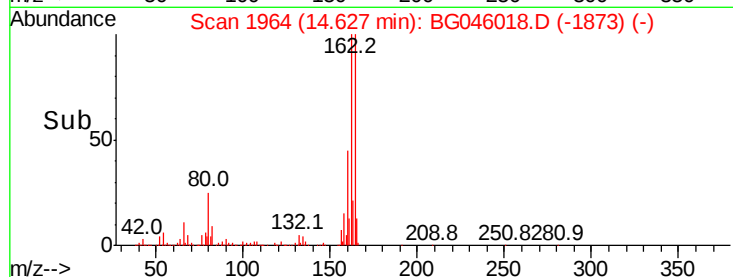
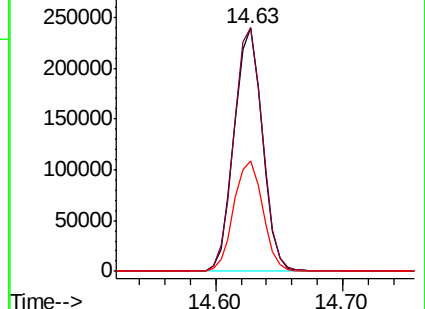
160 45.3 35.7 53.5



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



#42

2,4,6-Tribromophenol

Concen: 169.830 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

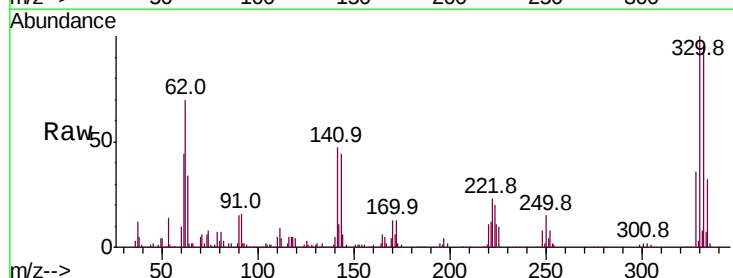
Tgt Ion:330 Resp: 580032

Ion Ratio Lower Upper

330 100

332 96.4 78.3 117.5

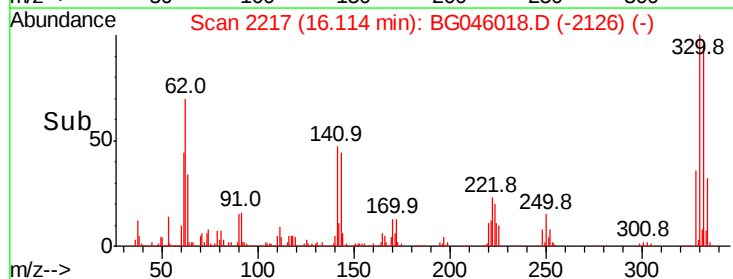
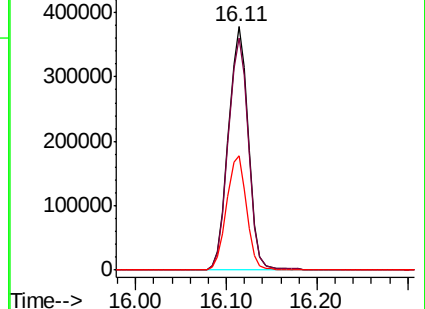
141 47.1 36.6 54.8

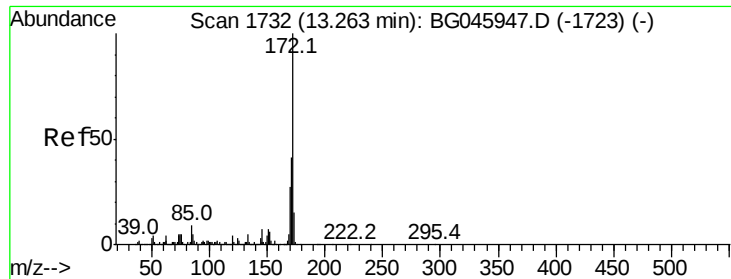


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

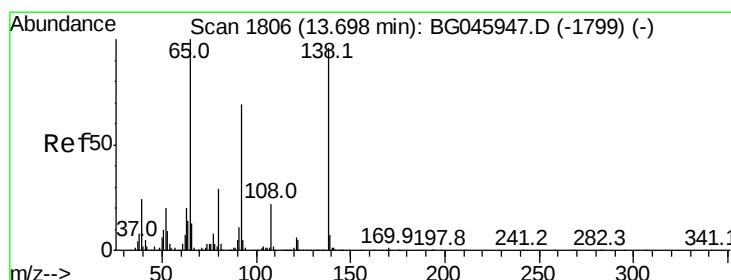
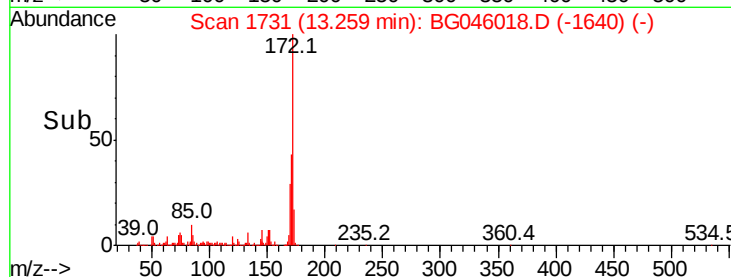
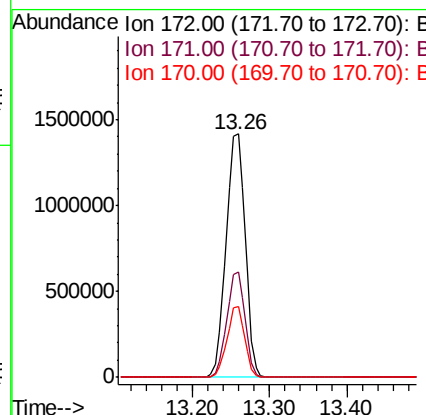
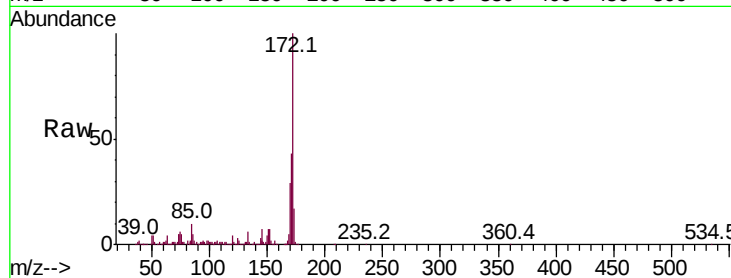




#45
2-Fluorobiphenyl
Concen: 103.815 ng
RT: 13.26 min Scan# 1731
Delta R.T. 0.00 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

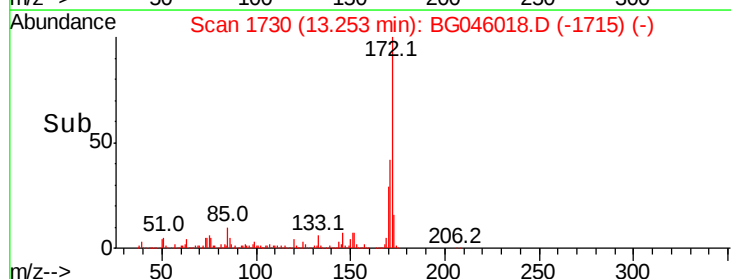
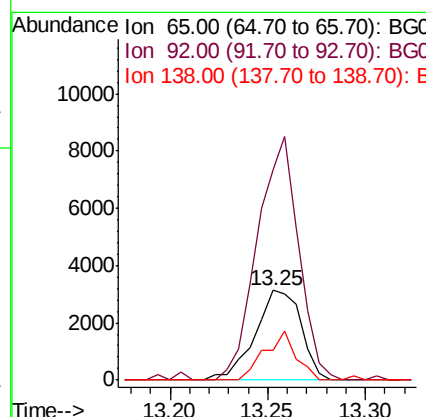
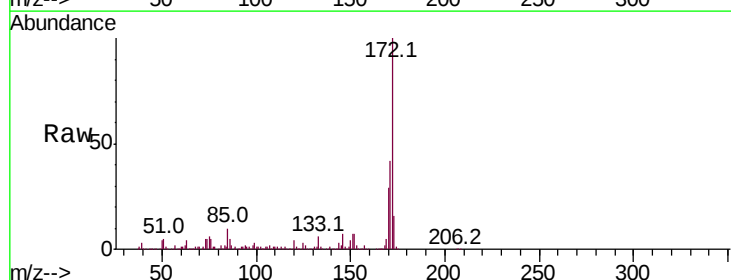
Instrument :
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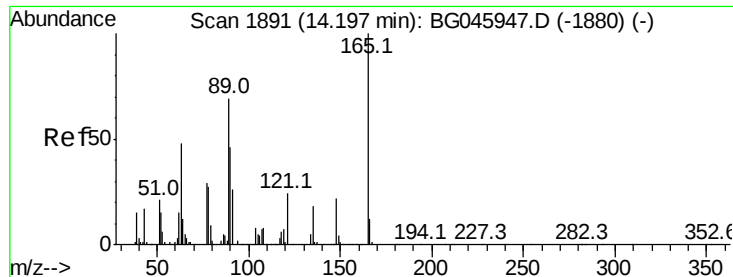
Tot Ion:172 Resp: 2449200
Ion Ratio Lower Upper
172 100
171 43.5 32.9 49.3
170 29.0 21.8 32.6



#48
2-Nitroaniline
Concen: 4.147 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.44 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Tgt Ion: 65 Resp: 5116
Ion Ratio Lower Upper
65 100
92 233.5 55.4 83.0#
138 33.7 77.0 115.4#





#51

2,6-Dinitrotoluene

Concen: 12.160 ng

RT: 14.63 min Scan# 1964

Delta R.T. 0.44 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

Instrument :

BNA_G

ClientSampleId :

RO-20

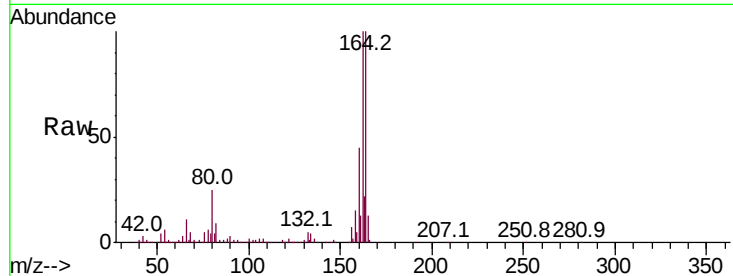
Tot Ion:165 Resp: 46947

Ion Ratio Lower Upper

165 100

63 1.8 51.0 76.4#

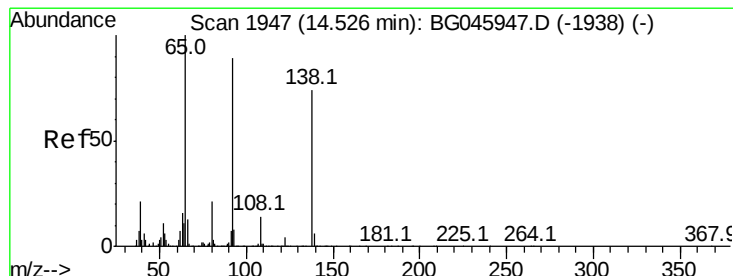
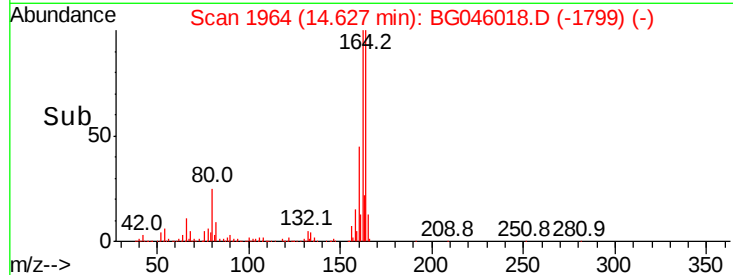
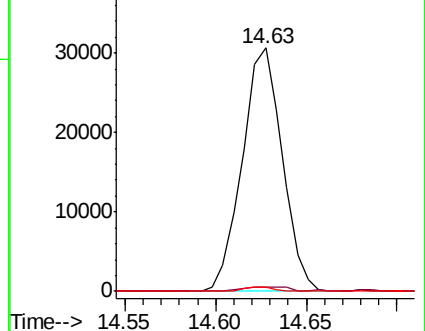
89 1.8 55.7 83.5#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC



#53

3-Nitroaniline

Concen: 2.991 ng

RT: 14.57 min Scan# 1955

Delta R.T. 0.05 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

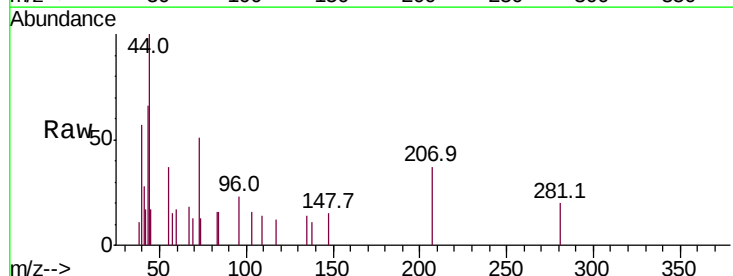
Tgt Ion:138 Resp: 54

Ion Ratio Lower Upper

138 100

108 0.0 15.4 23.2#

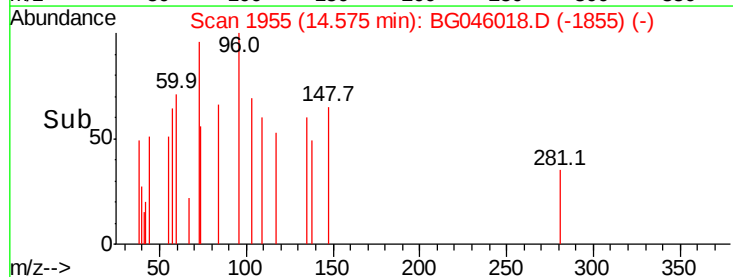
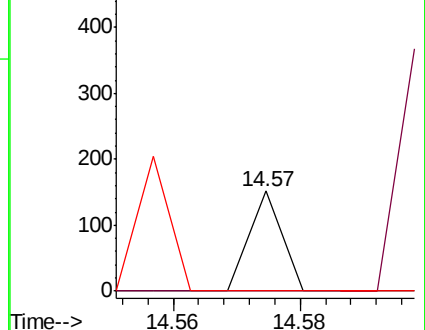
92 0.0 95.9 143.9#

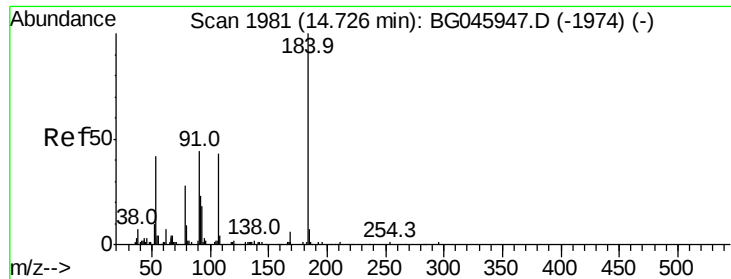


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

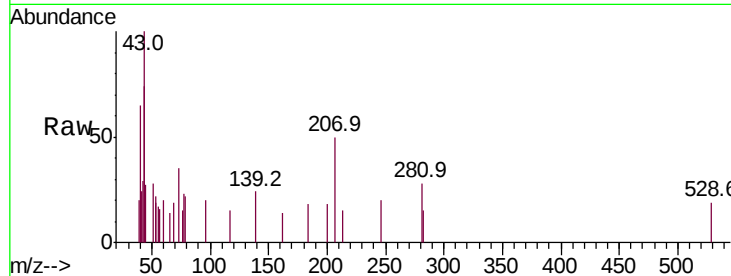




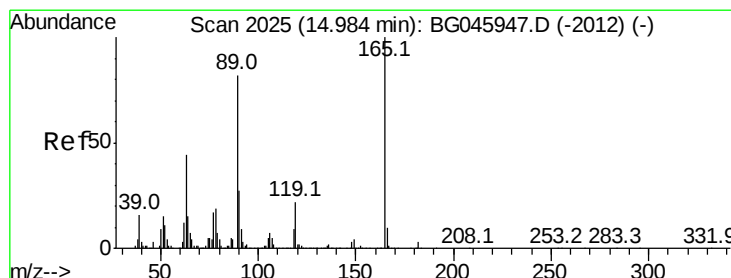
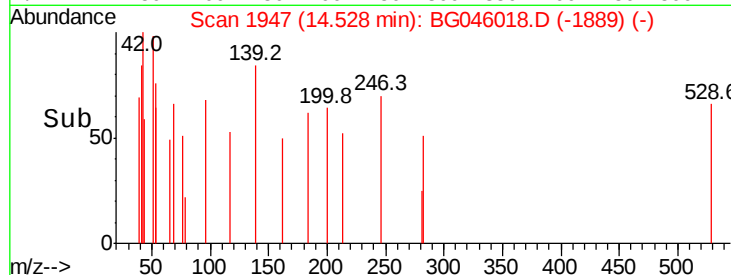
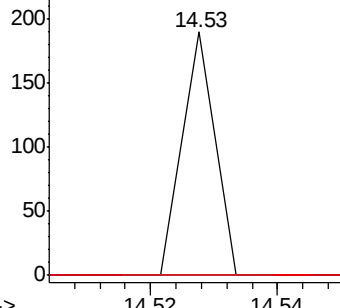
#54
2,4-Dinitrophenol
Concen: 6.144 ng
RT: 14.53 min Scan# 1947
Delta R.T. -0.19 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Instrument :
BNA_G
ClientSampleId :
RO-20

Tot Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 46.0 69.0#
154 0.0 58.2 87.2#

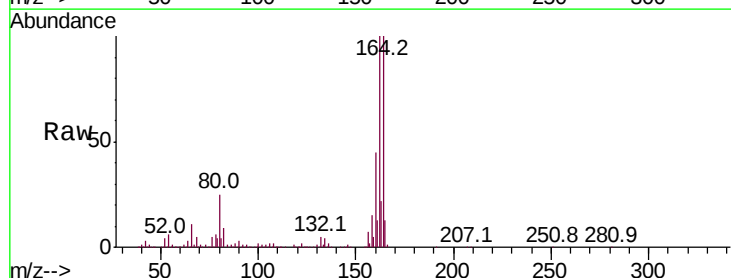


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 154.00 (153.70 to 154.70): E

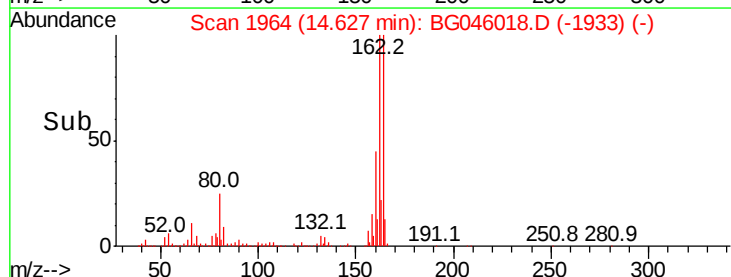
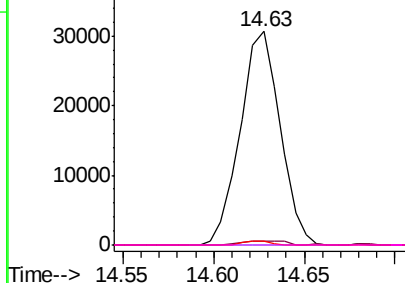


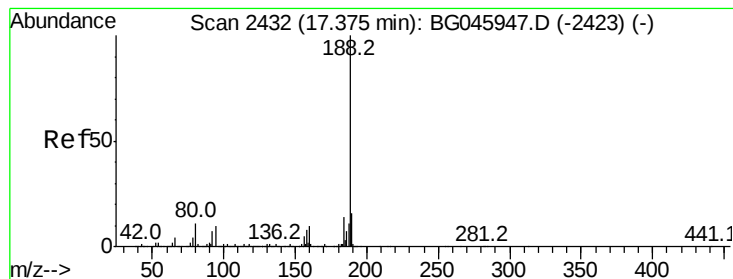
#57
2,4-Dinitrotoluene
Concen: 10.759 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.35 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Tgt Ion:165 Resp: 46947
Ion Ratio Lower Upper
165 100
63 1.8 35.4 53.0#
89 1.8 65.4 98.2#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG
Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

Instrument :

BNA_G

ClientSampleId :

RO-20

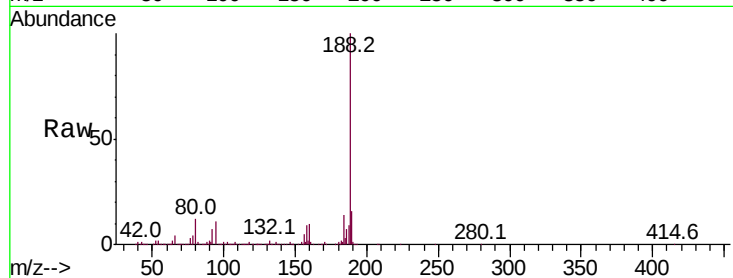
Tot Ion:188 Resp: 801366

Ion Ratio Lower Upper

188 100

94 10.6 8.2 12.4

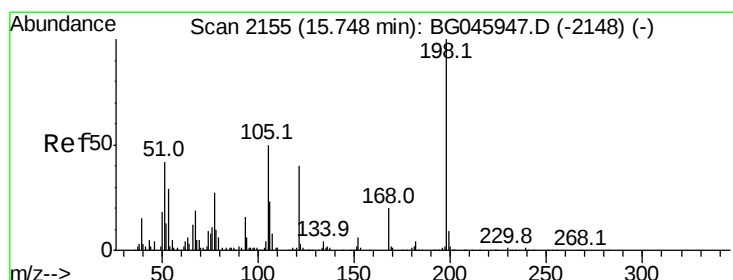
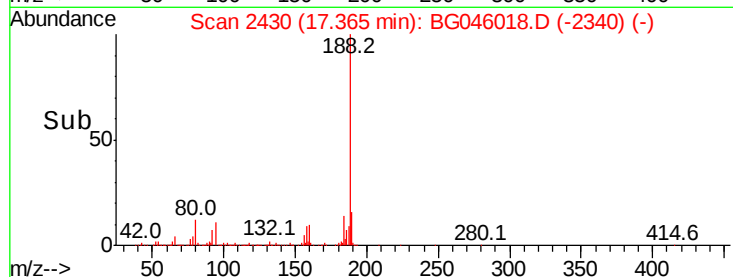
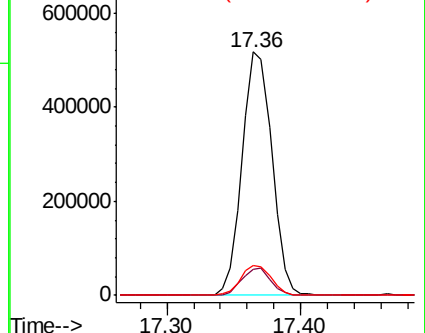
80 12.3 9.0 13.6



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



#65

4,6-Dinitro-2-methylphenol

Concen: 7.509 ng

RT: 16.11 min Scan# 2217

Delta R.T. 0.37 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

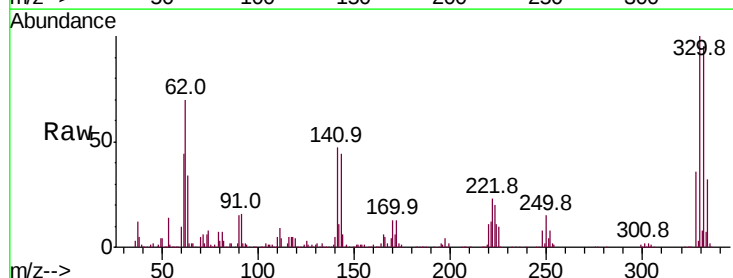
Tgt Ion:198 Resp: 2310

Ion Ratio Lower Upper

198 100

51 112.9 24.5 64.5#

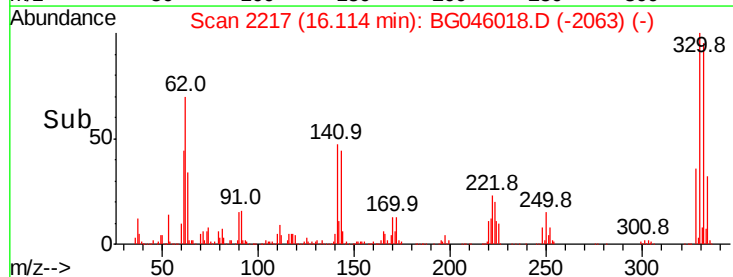
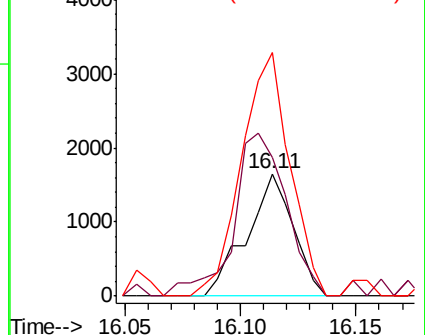
105 198.9 30.9 70.9#

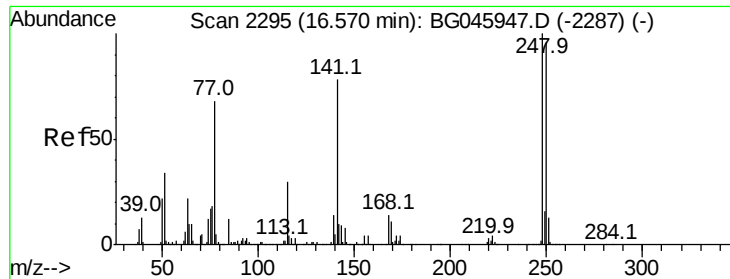


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

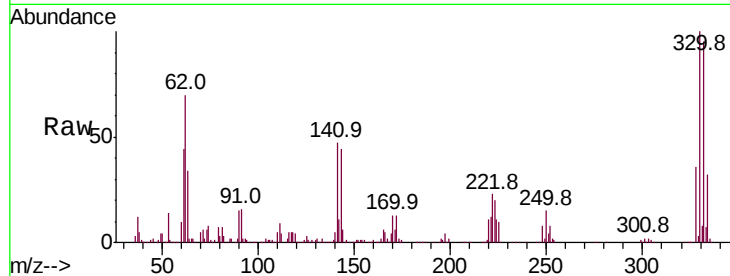




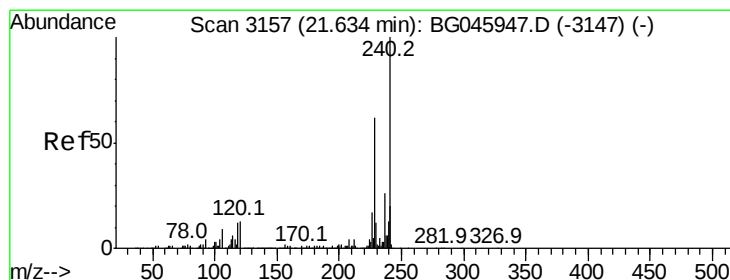
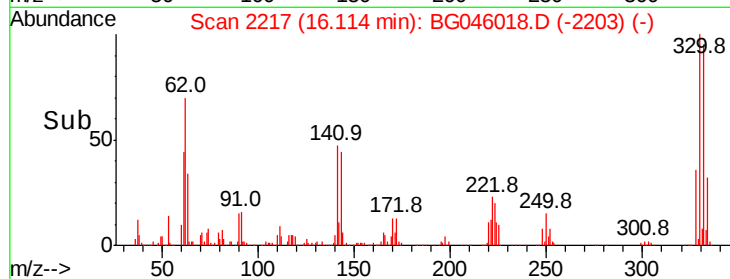
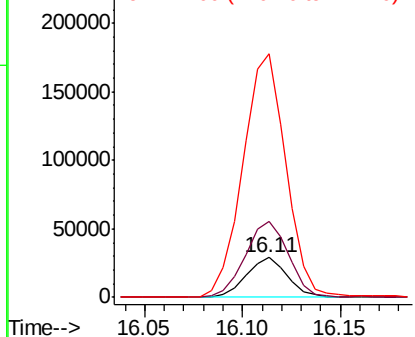
#67
4-Bromophenyl-phenylether
Concen: 4.680 ng
RT: 16.11 min Scan# 2217
Delta R.T. -0.45 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Instrument :
BNA_G
ClientSampleId :
RO-20

Tot Ion:248 Resp: 41883
Ion Ratio Lower Upper
248 100
250 190.5 76.6 114.8#
141 612.9 62.7 94.1#

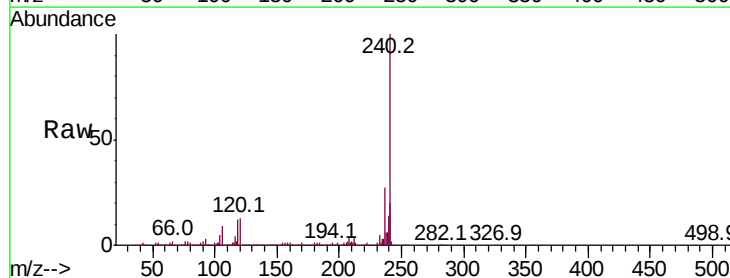


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

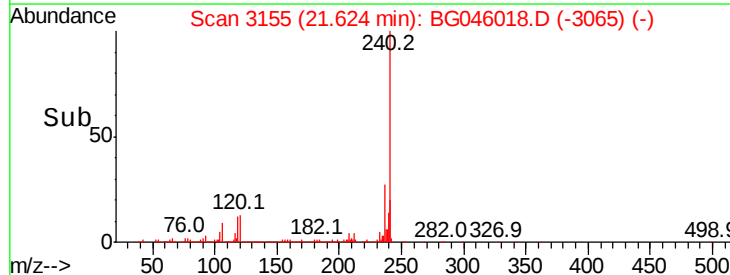
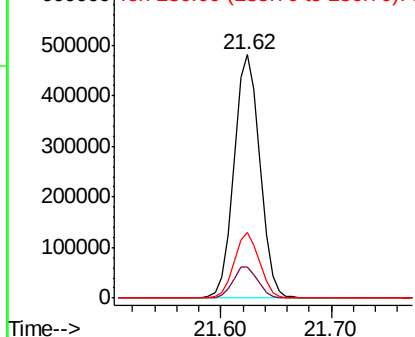


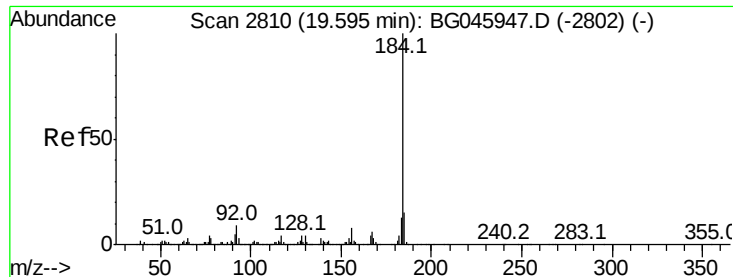
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.62 min Scan# 3155
Delta R.T. -0.00 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Tgt Ion:240 Resp: 792433
Ion Ratio Lower Upper
240 100
120 12.7 10.6 16.0
236 27.2 20.4 30.6



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





#77

Benzidine

Concen: 3.741 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.39 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

Instrument :

BNA_G

ClientSampleId :

RO-20

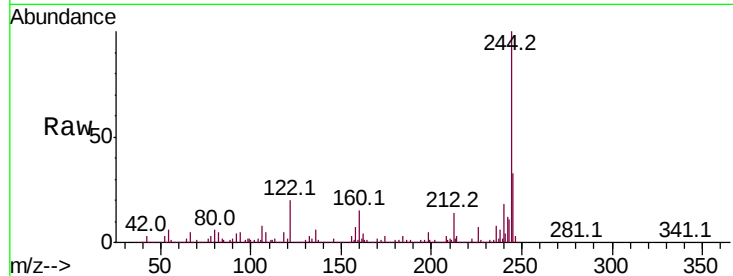
Tot Ion:184 Resp: 84767

Ion Ratio Lower Upper

184 100

185 15.8 11.6 17.4

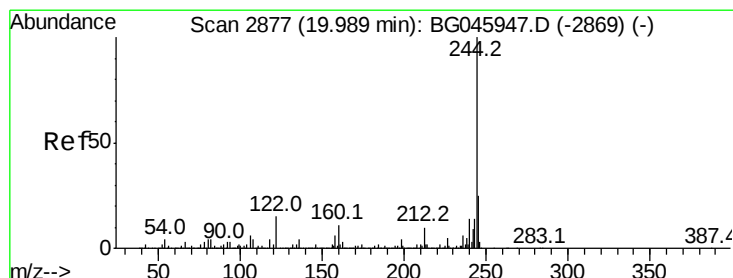
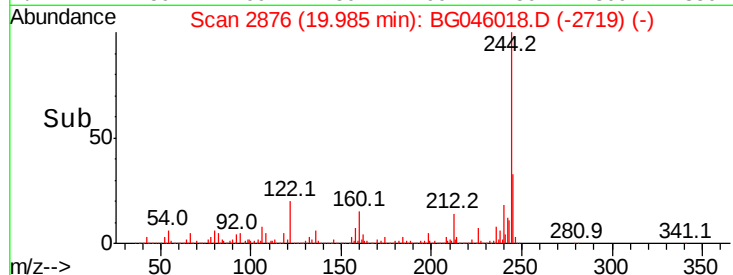
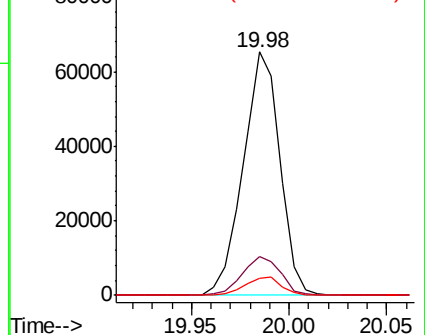
183 6.9 10.4 15.6#



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



#79

Terphenyl-d14

Concen: 95.994 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG046018.D

Acq: 13 Jul 2020 10:50

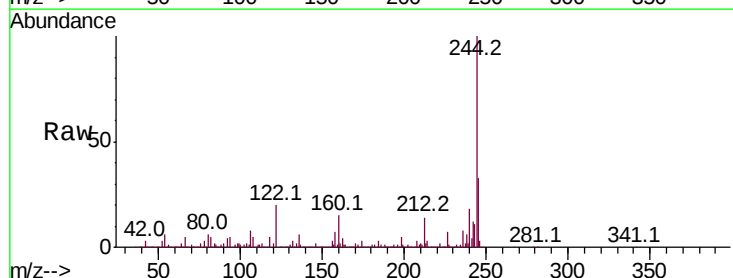
Tgt Ion:244 Resp: 3418019

Ion Ratio Lower Upper

244 100

212 13.5 8.3 12.5#

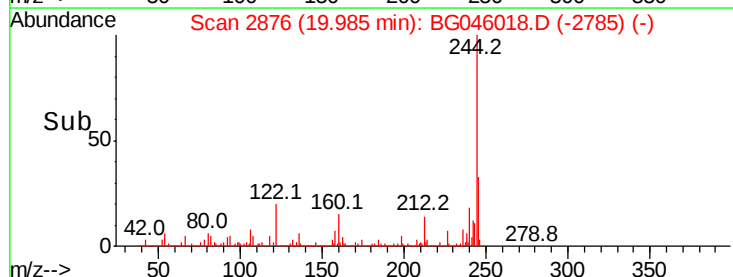
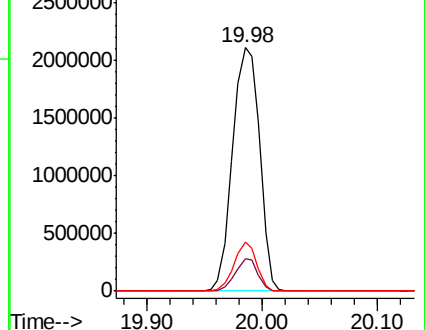
122 20.1 12.1 18.1#

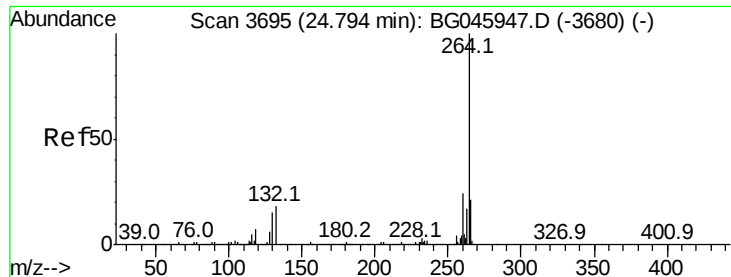


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

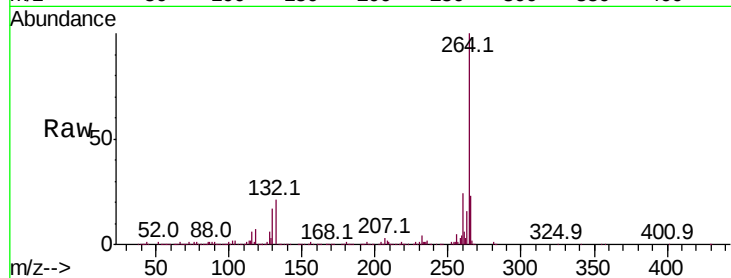




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.78 min Scan# 3692
Delta R.T. -0.00 min
Lab File: BG046018.D
Acq: 13 Jul 2020 10:50

Instrument :
BNA_G
ClientSampleId :
RO-20

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.0	28.6
265	23.4	16.9	25.3



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

