

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071020\
 Data File : BG046011.D
 Acq On : 10 Jul 2020 17:50
 Operator : CG/JU
 Sample : L3217-13
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 E3-41-VAT

Quant Time: Jul 11 00:54:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG070620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 07 09:58:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.01	152	153785	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	657778	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	408749	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	809280	20.00	ng	0.00
76) Chrysene-d12	21.63	240	689386	20.00	ng	0.00
86) Perylene-d12	24.79	264	700314	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	1119273	118.03	ng	0.00
7) Phenol-d6	7.16	99	1764574	129.24	ng	0.00
23) Nitrobenzene-d5	9.16	82	1171082	102.47	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	543130	143.17	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	2205799	84.18	ng	0.00
79) Terphenyl-d14	19.99	244	2518390	81.30	ng	0.00

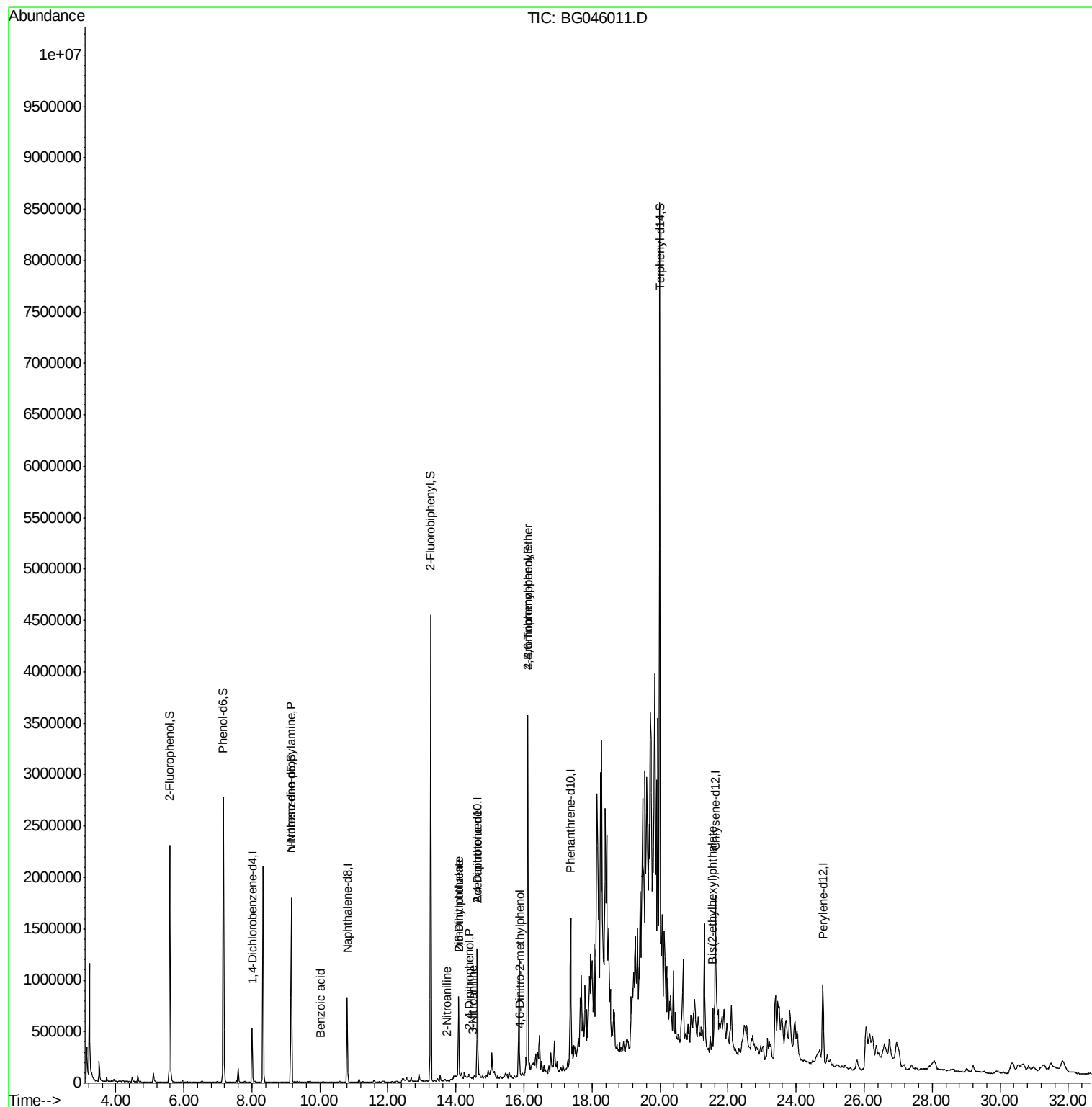
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	158758	16.552	ng	# 77
32) Benzoic acid	10.03	122	165	6.530	ng	# 32
48) 2-Nitroaniline	13.74	65	189	3.396	ng	# 56
50) Dimethylphthalate	14.08	163	491181	16.012	ng	# 99
51) 2,6-Dinitrotoluene	14.08	165	6200	4.363	ng	# 4
53) 3-Nitroaniline	14.51	138	76	2.994	ng	# 1
54) 2,4-Dinitrophenol	14.39	184	67	6.141	ng	# 13
57) 2,4-Dinitrotoluene	14.63	165	54194	11.026	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.89	198	78	6.814	ng	# 1
67) 4-Bromophenyl-phenylether	16.11	248	40478	4.478	ng	# 1
84) Bis(2-ethylhexyl)phthalate	21.55	149	181716	5.629	ng	# 93

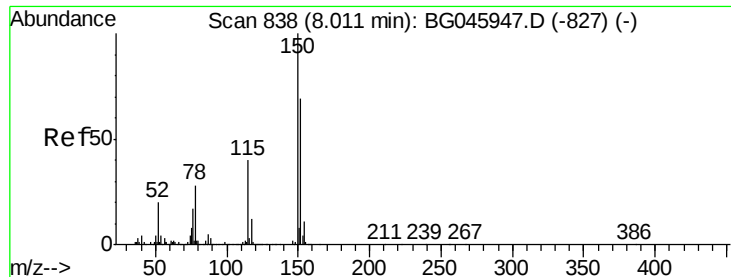
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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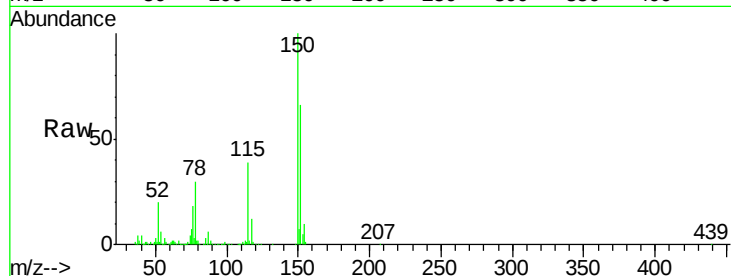


#1

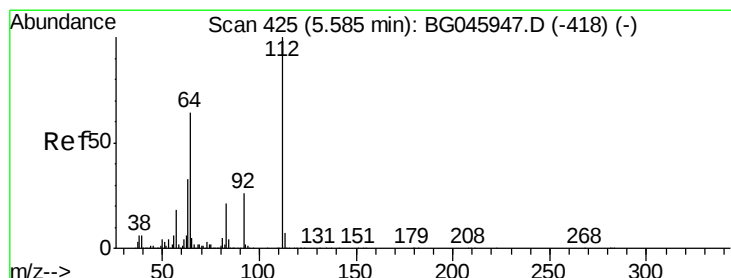
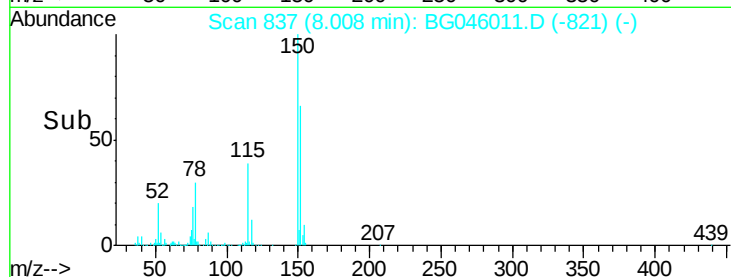
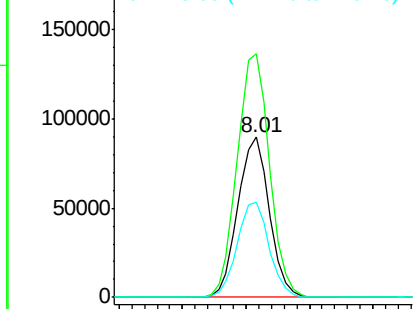
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.01 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

Instrument :
BNA_G
ClientSampleId :
E3-41-VAT

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	116.7	175.1
115	59.6	47.4	71.0



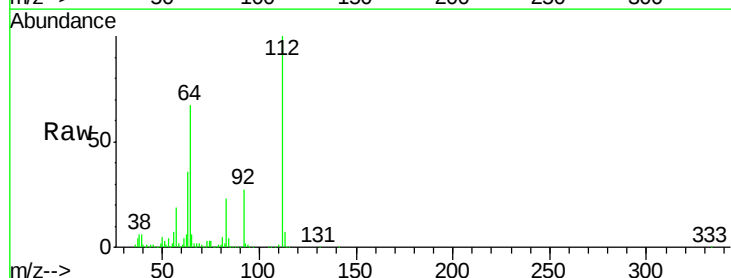
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



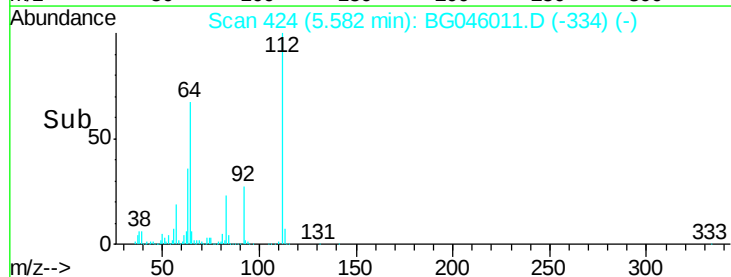
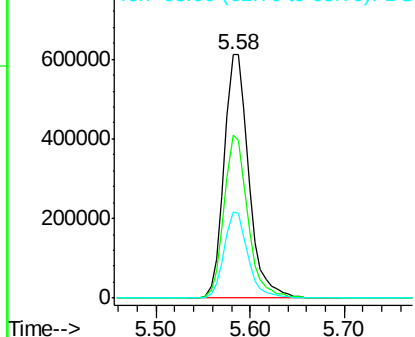
#5

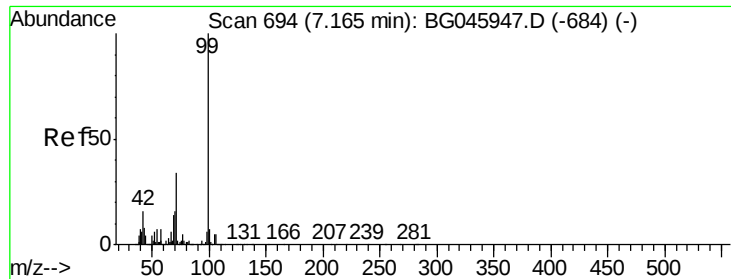
2-Fluorophenol
Concen: 118.028 ng
RT: 5.58 min Scan# 424
Delta R.T. -0.00 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	51.4	77.2
63	35.6	26.6	40.0



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: 129.244 ng

RT: 7.16 min Scan# 693

Delta R.T. -0.00 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

Instrument :

BNA_G

ClientSampleId :

E3-41-VAT

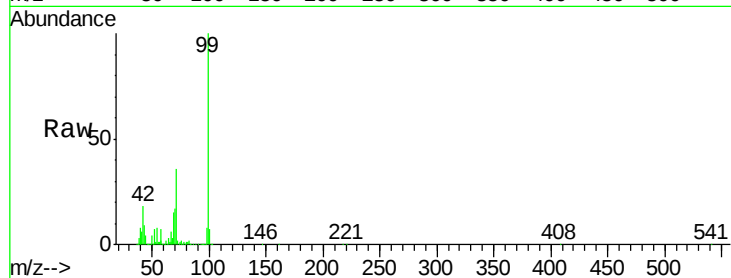
Tot Ion: 99 Resp: 1764574

Ion Ratio Lower Upper

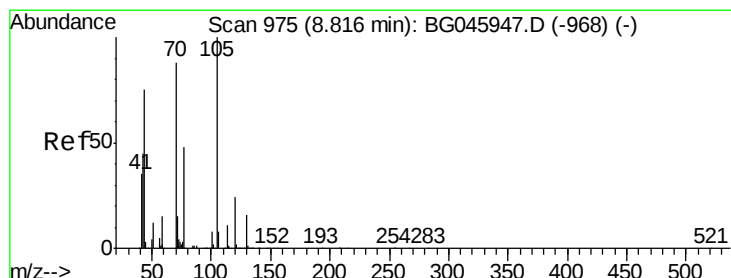
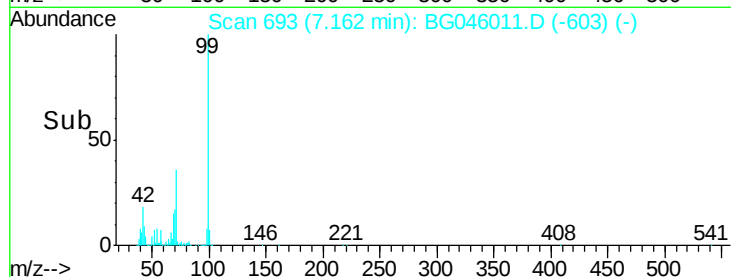
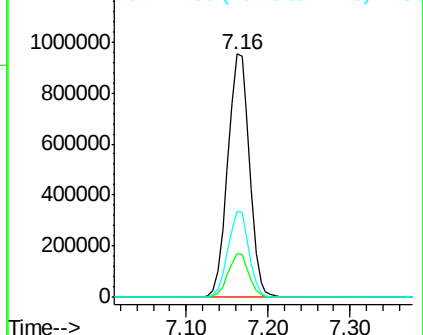
99 100

42 18.0 13.0 19.4

71 35.6 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.552 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.34 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

Tgt Ion: 70 Resp: 158758

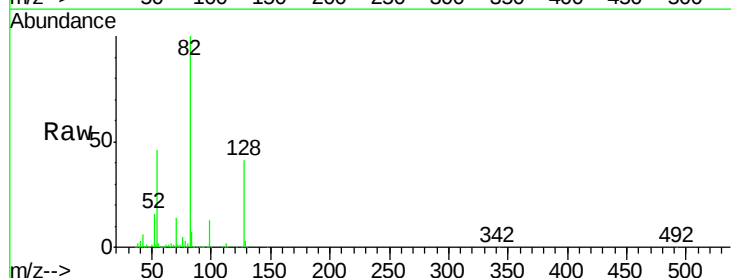
Ion Ratio Lower Upper

70 100

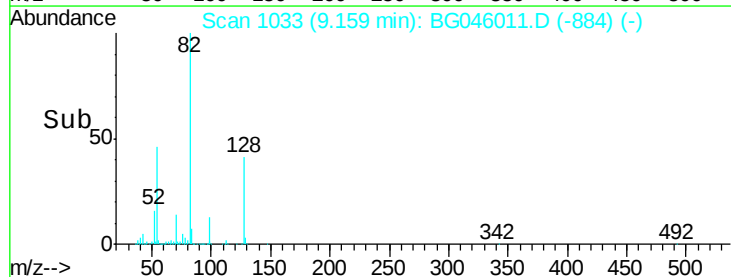
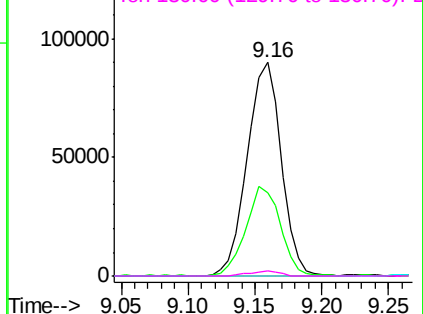
42 39.1 41.4 62.0#

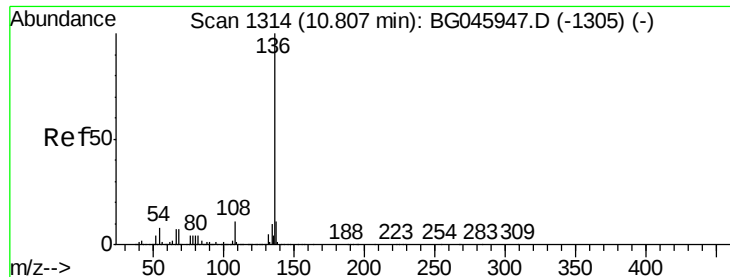
101 0.0 7.1 10.7#

130 2.1 14.9 22.3#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

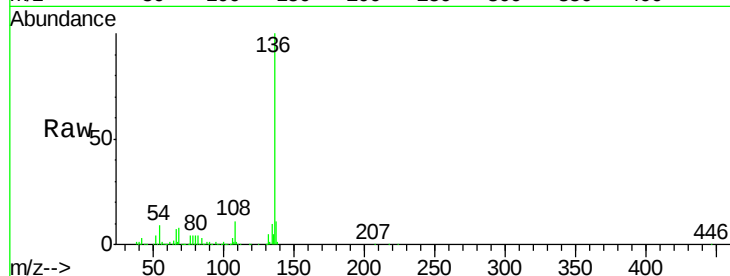




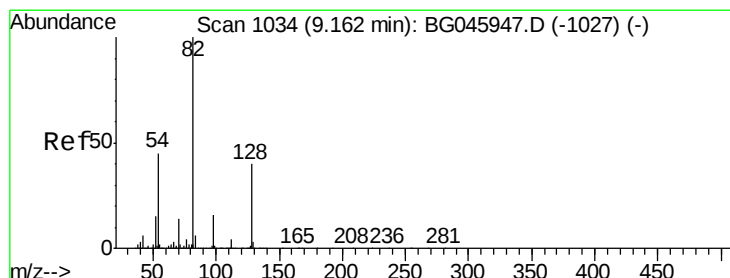
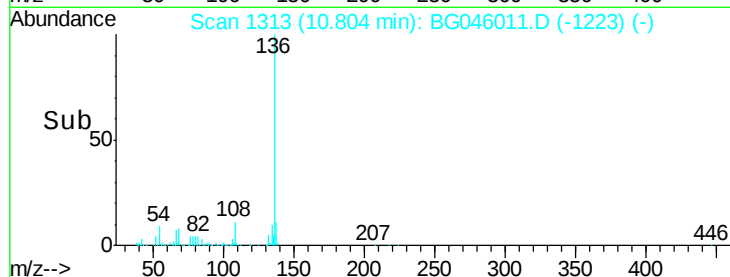
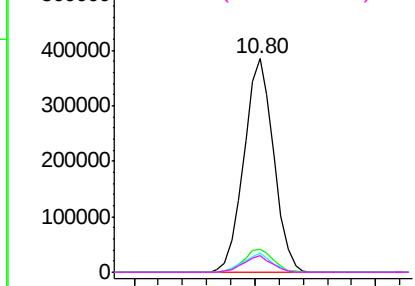
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

Instrument :
BNA_G
ClientSampleId :
E3-41-VAT

Tot Ion:136	Resp: 657778
Ion Ratio	Lower Upper
136 100	
137 10.6	9.2 13.8
54 8.9	6.2 9.4
68 7.6	5.8 8.8

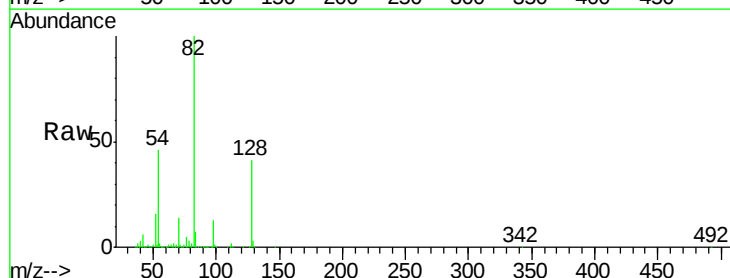


Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
500000
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

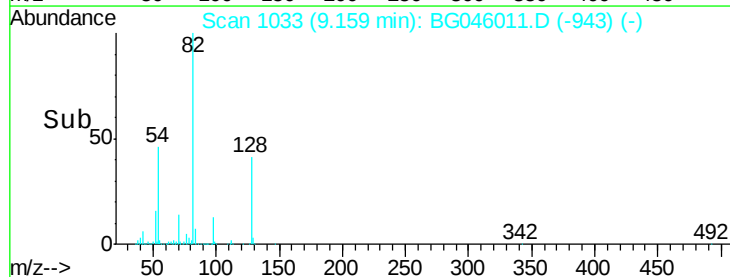
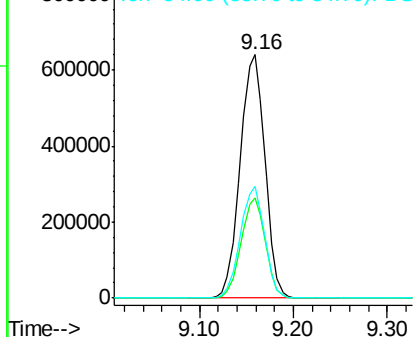


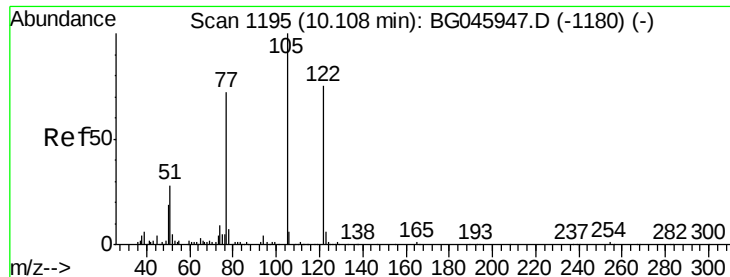
#23
Nitrobenzene-d5
Concen: 102.474 ng
RT: 9.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

Tgt Ion: 82	Resp: 1171082
Ion Ratio	Lower Upper
82 100	
128 41.4	32.2 48.4
54 45.7	35.8 53.6



Abundance Ion 82.00 (81.70 to 82.70): BGC
800000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 6.530 ng

RT: 10.03 min Scan# 1182

Delta R.T. -0.07 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

Instrument :

BNA_G

ClientSampleId :

E3-41-VAT

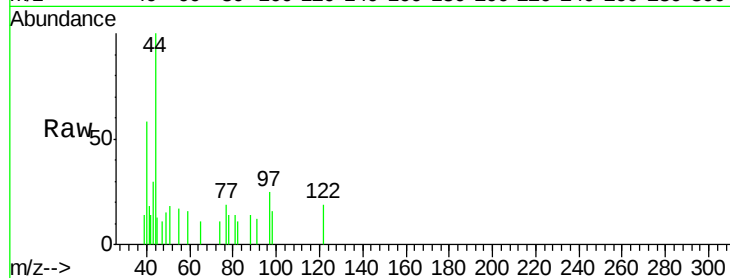
Tot Ion:122 Resp: 165

Ion Ratio Lower Upper

122 100

105 0.0 110.8 150.8#

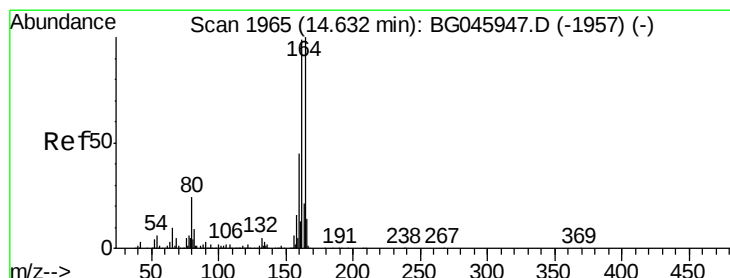
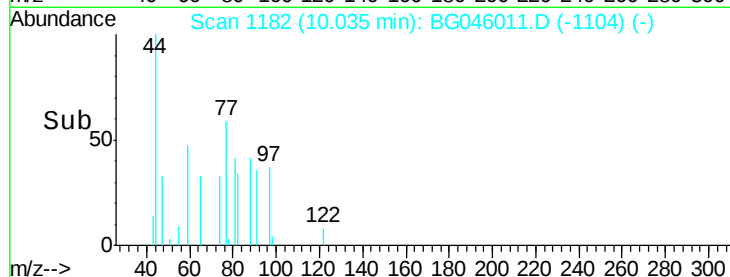
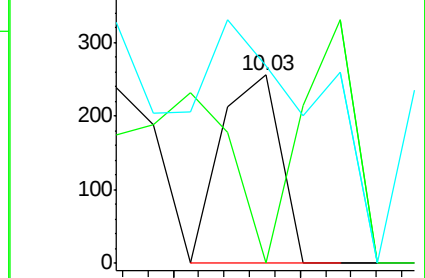
77 104.7 76.4 116.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): B



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.63 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

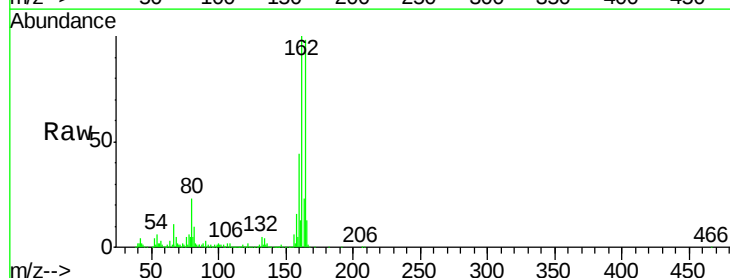
Tgt Ion:164 Resp: 408749

Ion Ratio Lower Upper

164 100

162 101.8 79.3 118.9

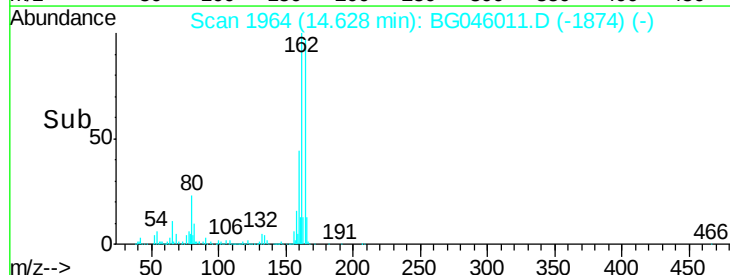
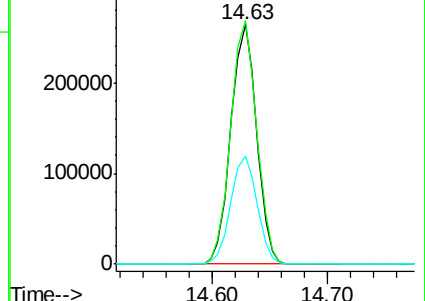
160 45.2 35.7 53.5

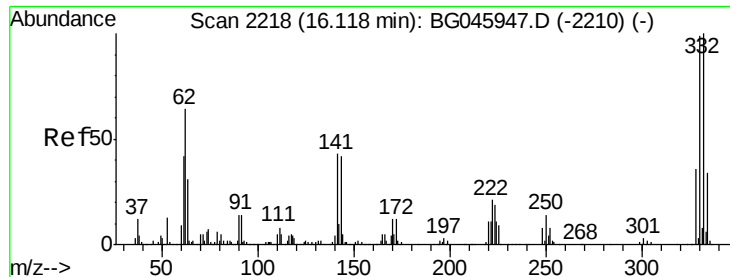


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 143.169 ng

RT: 16.11 min Scan# 2217

Delta R.T. -0.00 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

Instrument :

BNA_G

ClientSampleId :

E3-41-VAT

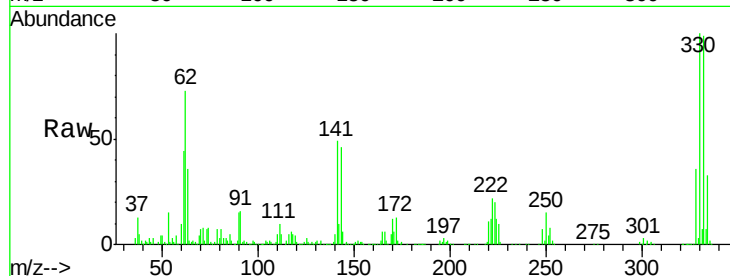
Tot Ion:330 Resp: 543130

Ion Ratio Lower Upper

330 100

332 96.9 78.3 117.5

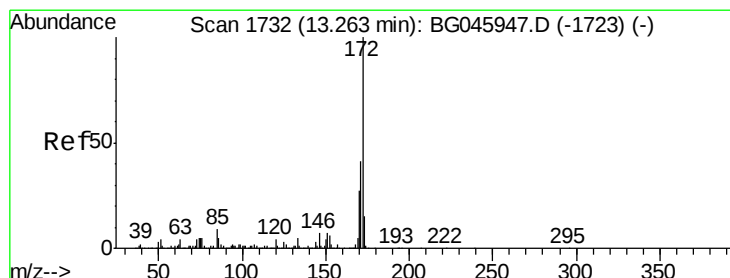
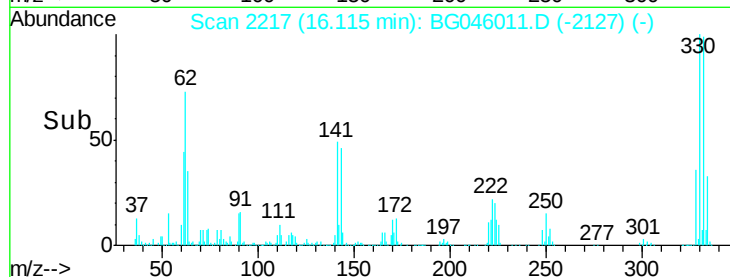
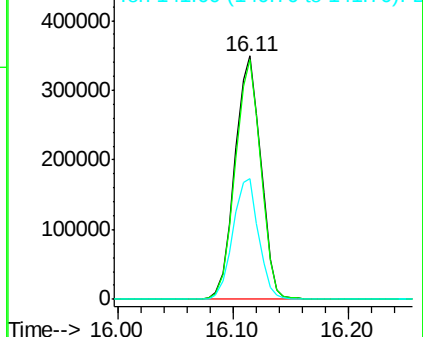
141 49.3 36.6 54.8



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: 84.175 ng

RT: 13.25 min Scan# 1730

Delta R.T. -0.01 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

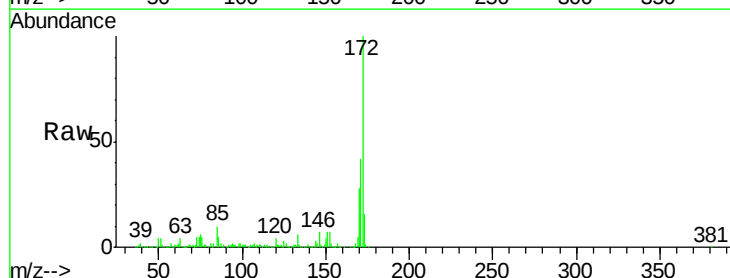
Tgt Ion:172 Resp: 2205799

Ion Ratio Lower Upper

172 100

171 41.9 32.9 49.3

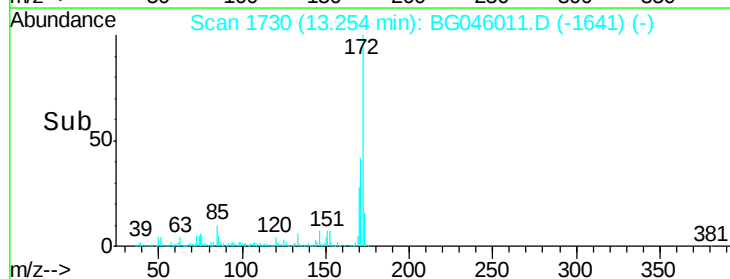
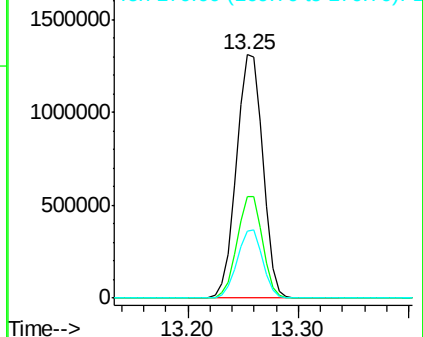
170 27.8 21.8 32.6

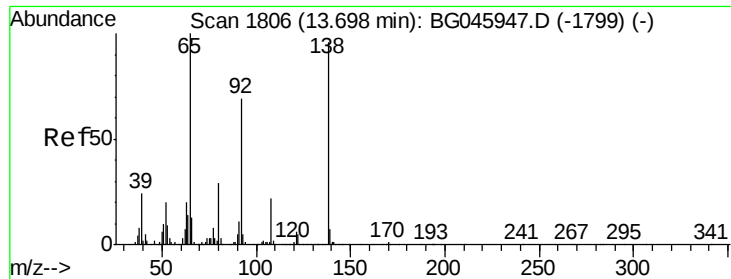


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

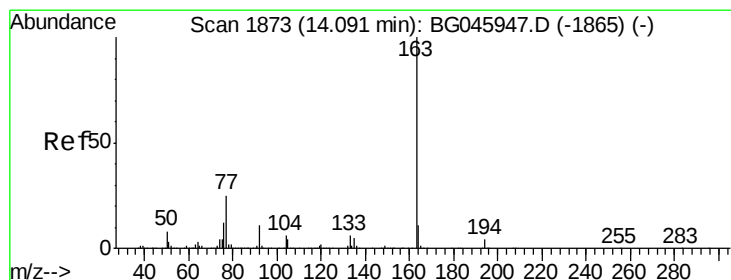
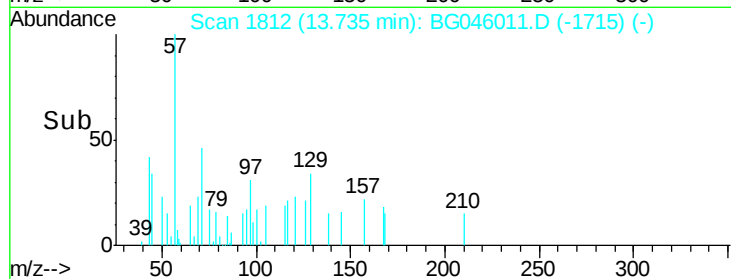
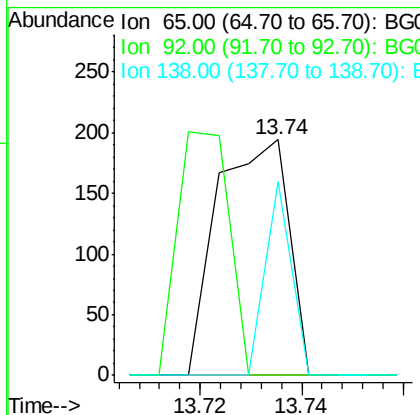
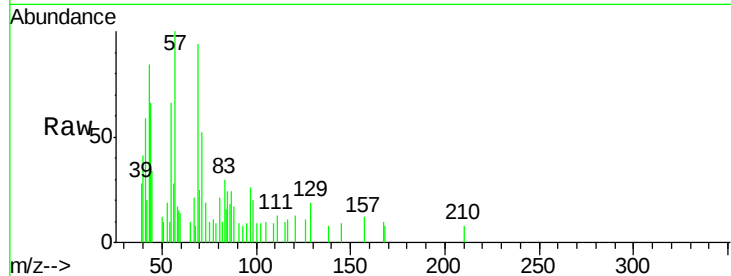




#48
2-Nitroaniline
Concen: 3.396 ng
RT: 13.74 min Scan# 1812
Delta R.T. 0.04 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

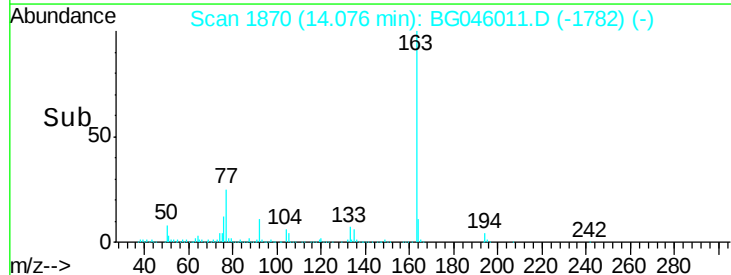
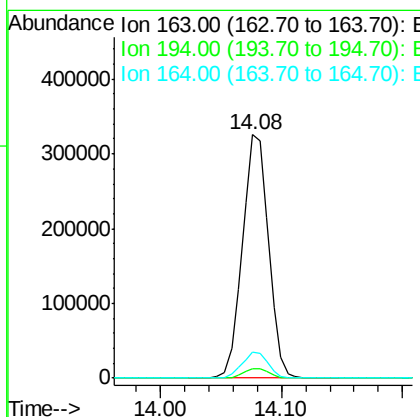
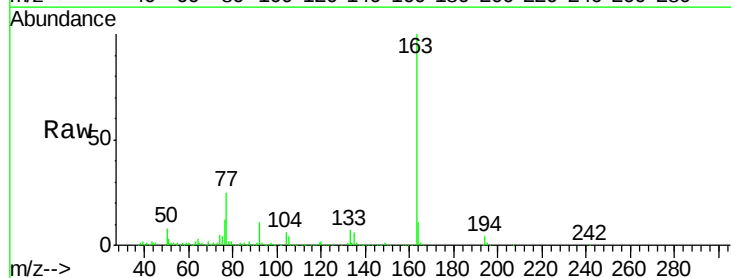
Instrument :
BNA_G
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E3-41-VAT

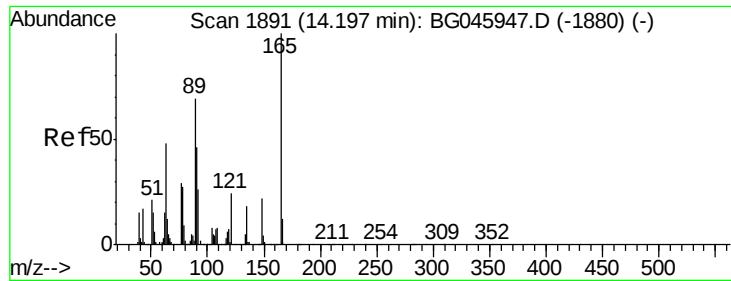
Tot Ion: 65 Resp: 189
Ion Ratio Lower Upper
65 100
92 0.0 55.4 83.0#
138 82.5 77.0 115.4



#50
Dimethylphthalate
Concen: 16.012 ng
RT: 14.08 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

Tgt Ion: 163 Resp: 491181
Ion Ratio Lower Upper
163 100
194 3.9 3.6 5.4
164 10.8 8.9 13.3





#51

2,6-Dinitrotoluene

Concen: 4.363 ng

RT: 14.08 min Scan# 1871

Delta R.T. -0.11 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

Instrument :

BNA_G

ClientSampleId :

E3-41-VAT

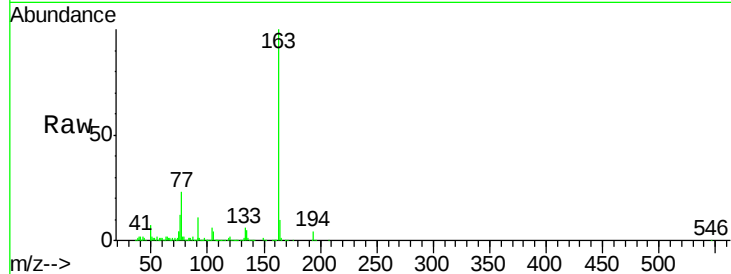
Tot Ion:165 Resp: 6200

Ion Ratio Lower Upper

165 100

63 166.8 51.0 76.4#

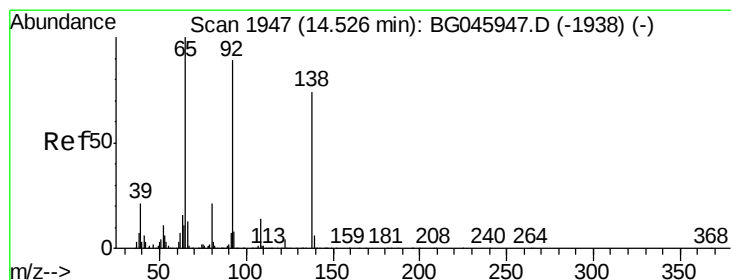
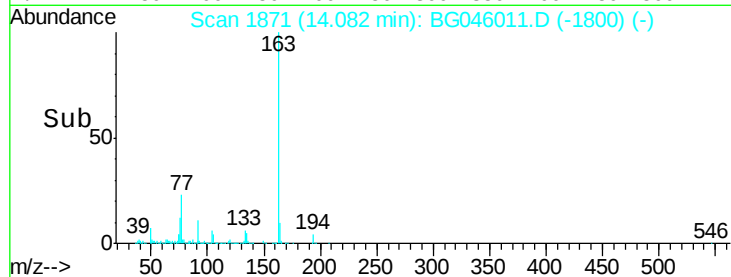
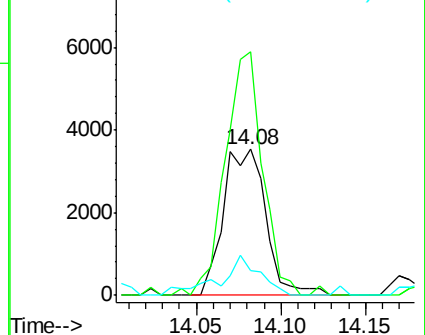
89 17.3 55.7 83.5#



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: 2.994 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.01 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

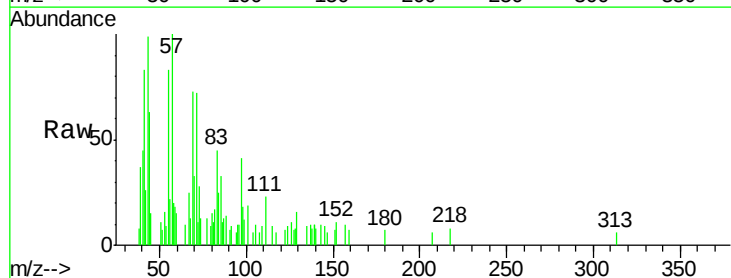
Tgt Ion:138 Resp: 76

Ion Ratio Lower Upper

138 100

108 71.0 15.4 23.2#

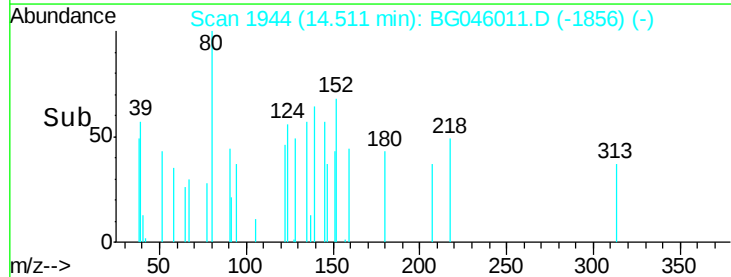
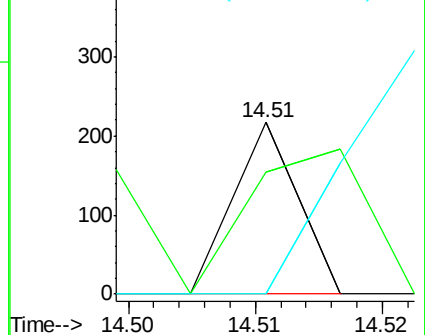
92 0.0 95.9 143.9#

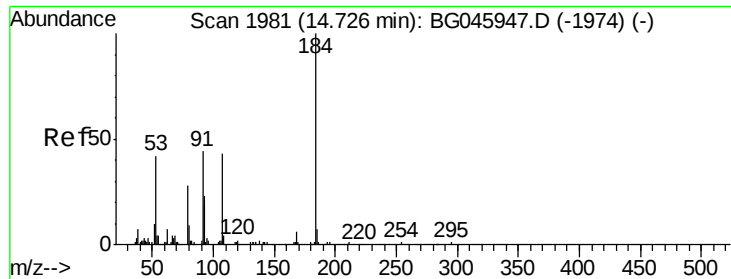


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BGC

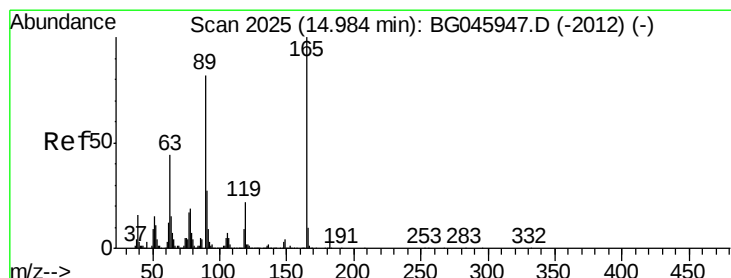
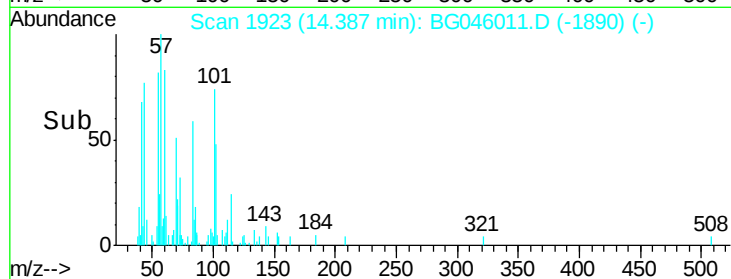
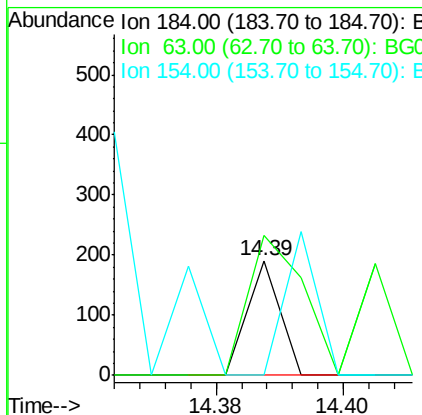
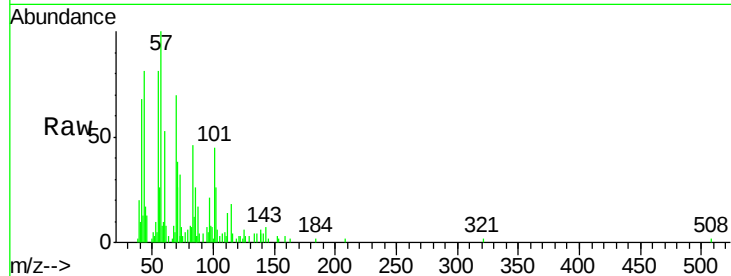




#54
2,4-Dinitrophenol
Concen: 6.141 ng
RT: 14.39 min Scan# 1923
Delta R.T. -0.34 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

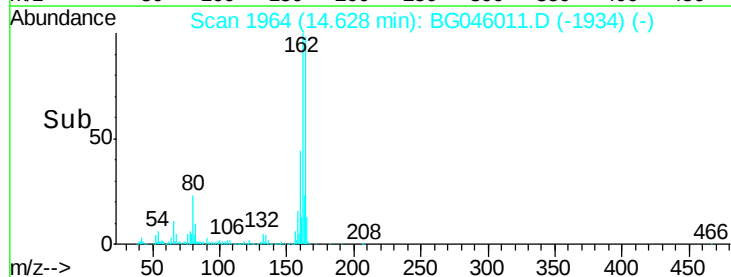
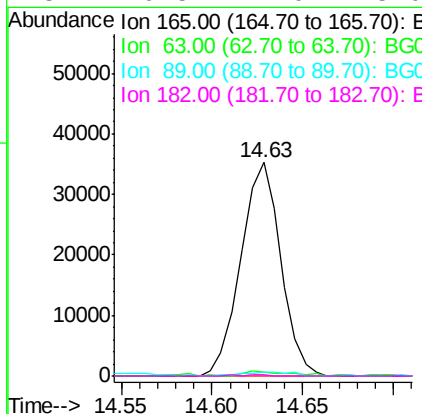
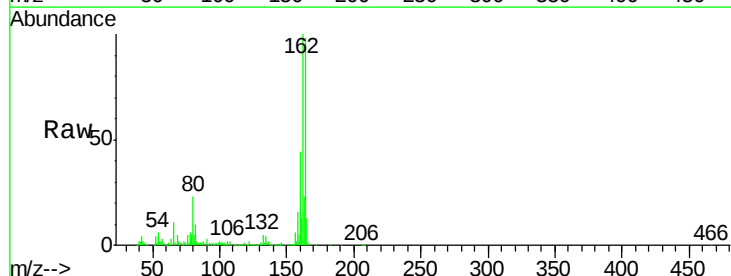
Instrument :
BNA_G
ClientSampled :
E3-41-VAT

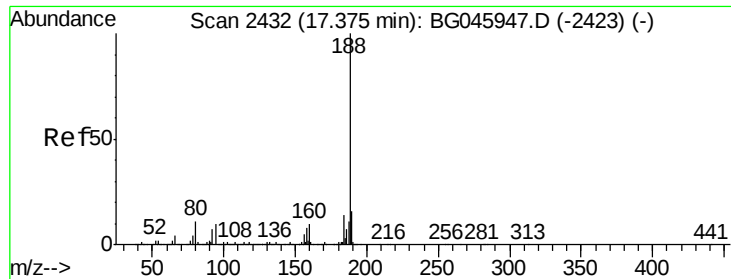
Tot Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 121.5 46.0 69.0#
154 0.0 58.2 87.2#



#57
2,4-Dinitrotoluene
Concen: 11.026 ng
RT: 14.63 min Scan# 1964
Delta R.T. -0.36 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

Tgt Ion:165 Resp: 54194
Ion Ratio Lower Upper
165 100
63 2.0 35.4 53.0#
89 2.0 65.4 98.2#
182 0.5 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.37 min Scan# 2431

Delta R.T. -0.00 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

Instrument :

BNA_G

ClientSampleId :

E3-41-VAT

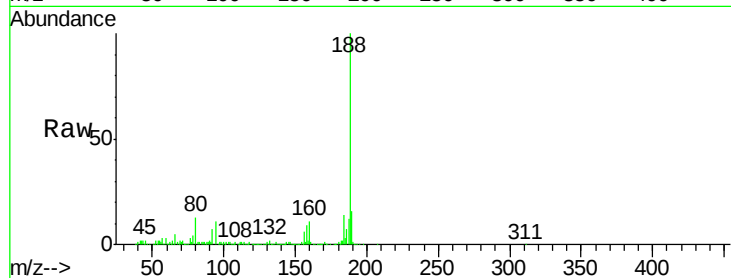
Tot Ion:188 Resp: 809280

Ion Ratio Lower Upper

188 100

94 11.4 8.2 12.4

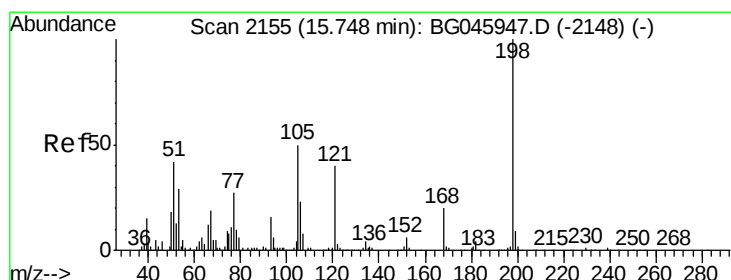
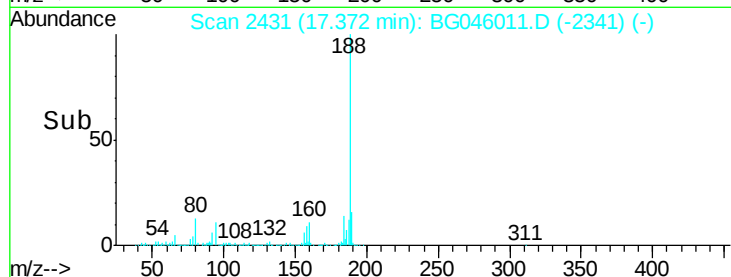
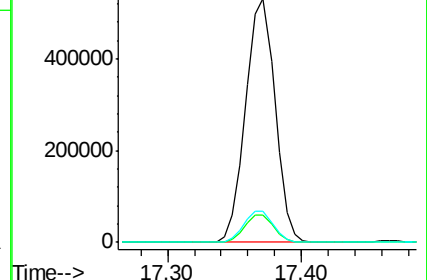
80 12.9 9.0 13.6



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: 6.814 ng

RT: 15.89 min Scan# 2179

Delta R.T. 0.14 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

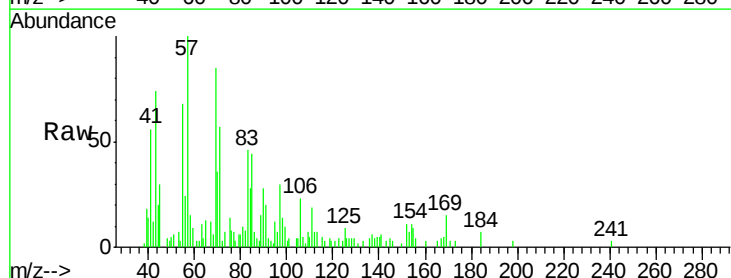
Tgt Ion:198 Resp: 78

Ion Ratio Lower Upper

198 100

51 185.0 24.5 64.5#

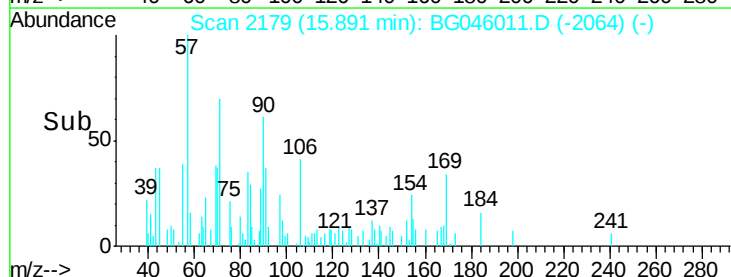
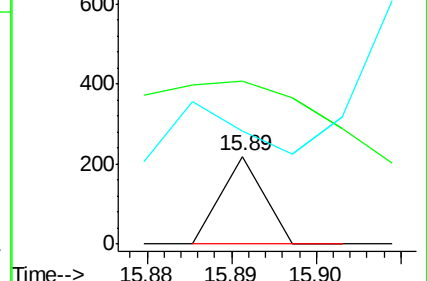
105 128.2 30.9 70.9#

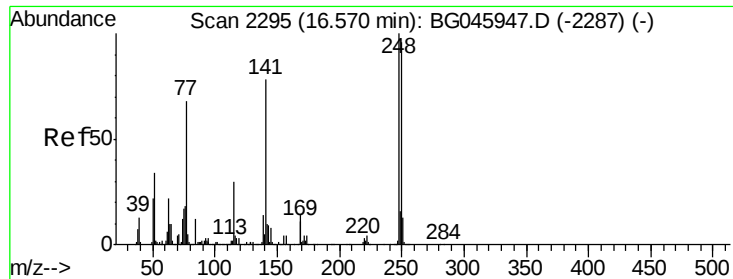


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

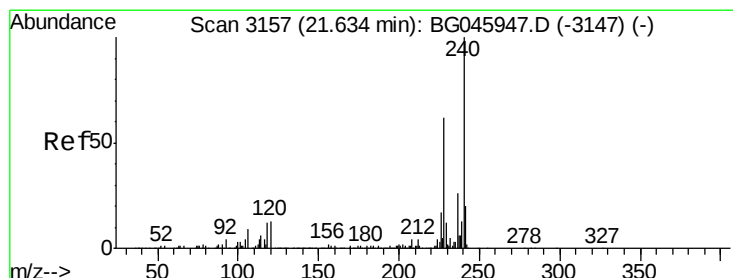
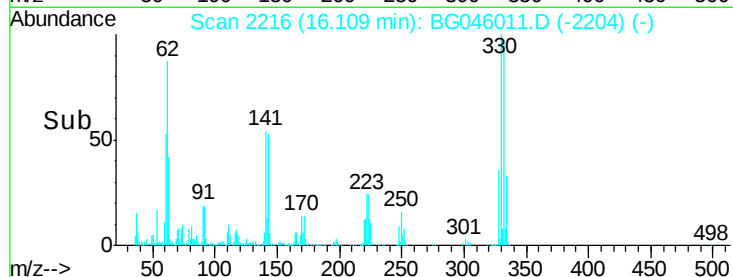
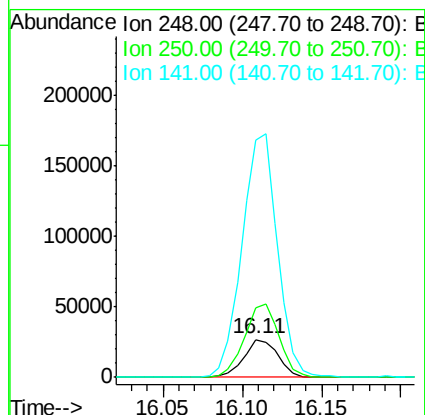
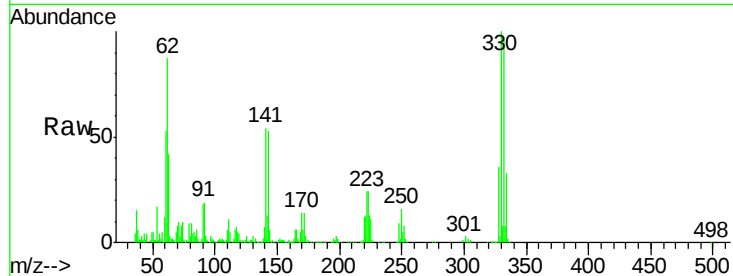




#67
4-Bromophenyl-phenylether
Concen: 4.478 ng
RT: 16.11 min Scan# 2216
Delta R.T. -0.46 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

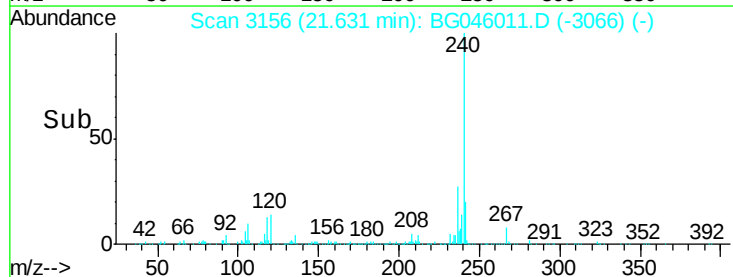
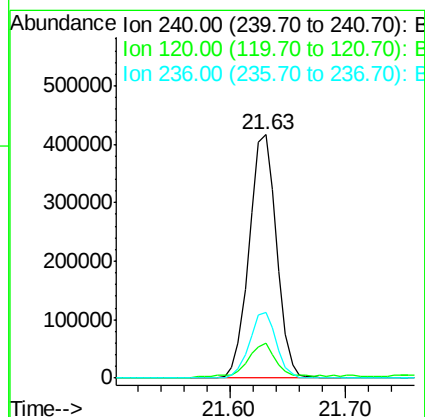
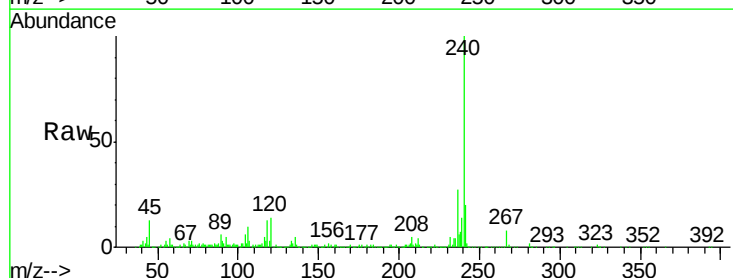
Instrument :
BNA_G
ClientSampleId :
E3-41-VAT

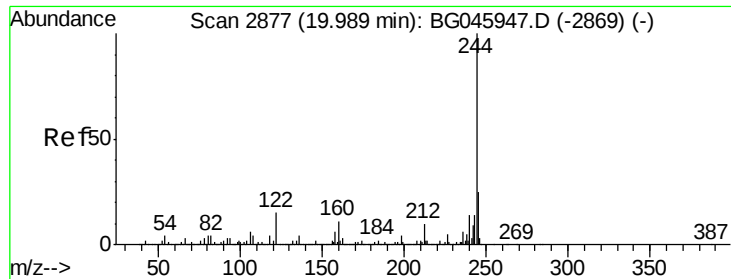
Tot Ion:248 Resp: 40478
Ion Ratio Lower Upper
248 100
250 181.9 76.6 114.8#
141 623.8 62.7 94.1#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. -0.00 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

Tgt Ion:240 Resp: 689386
Ion Ratio Lower Upper
240 100
120 14.2 10.6 16.0
236 26.7 20.4 30.6





#79

Terphenyl-d14

Concen: 81.300 ng

RT: 19.99 min Scan# 2877

Delta R.T. 0.00 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

Instrument :

BNA_G

ClientSampleId :

E3-41-VAT

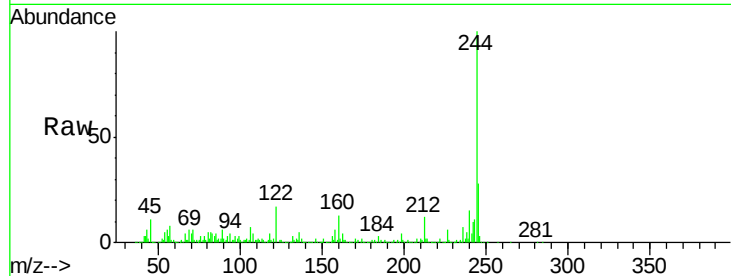
Tot Ion:244 Resp: 2518390

Ion Ratio Lower Upper

244 100

212 11.5 8.3 12.5

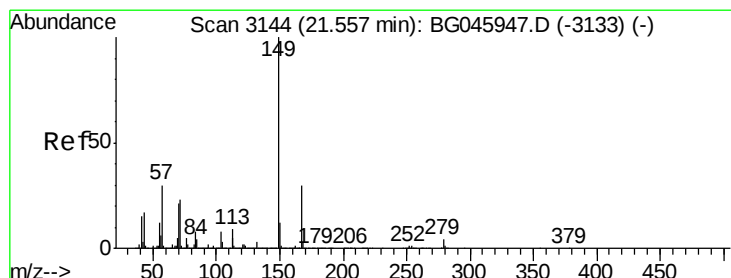
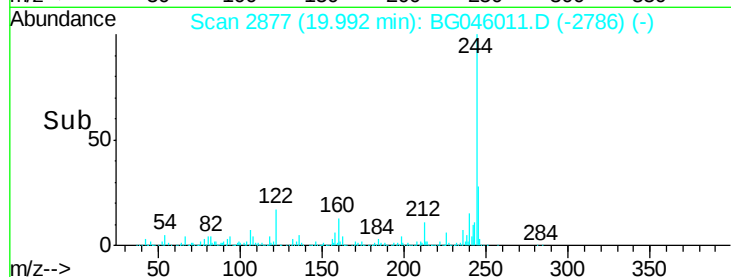
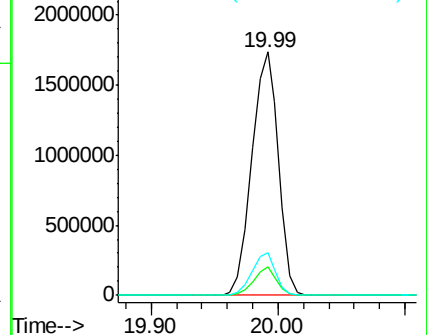
122 17.3 12.1 18.1



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.629 ng

RT: 21.55 min Scan# 3142

Delta R.T. -0.01 min

Lab File: BG046011.D

Acq: 10 Jul 2020 17:50

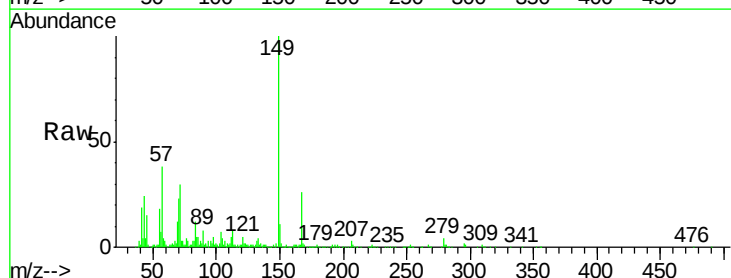
Tgt Ion:149 Resp: 181716

Ion Ratio Lower Upper

149 100

167 25.6 23.8 35.8

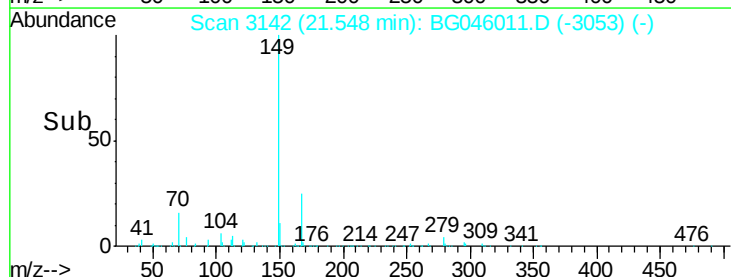
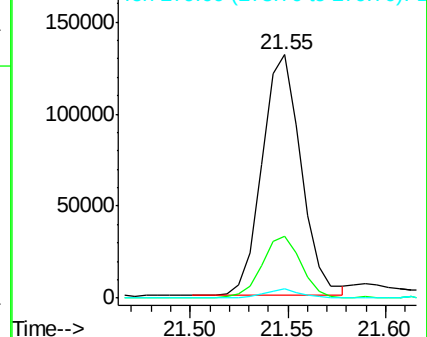
279 3.7 3.5 5.3

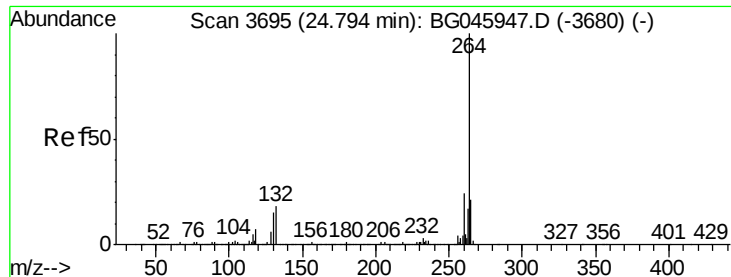


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

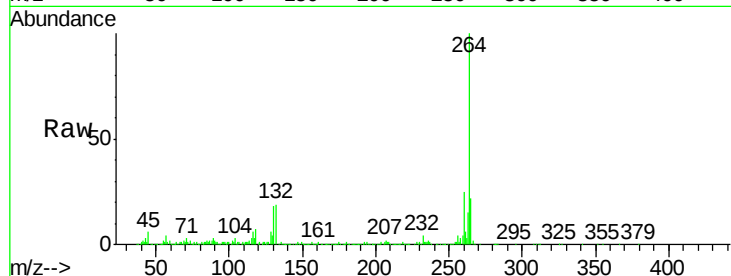




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.79 min Scan# 3693
Delta R.T. -0.01 min
Lab File: BG046011.D
Acq: 10 Jul 2020 17:50

Instrument :
BNA_G
ClientSampleId :
E3-41-VAT

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.0	28.6
265	22.4	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

