

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG071420\
 Data File : BG046045.D
 Acq On : 14 Jul 2020 23:10
 Operator : CG/JU
 Sample : L3283-06
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 T-1

Quant Time: Jul 15 00:38:36 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	117924	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	460874	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	274912	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	588411	20.00	ng	0.00
76) Chrysene-d12	21.62	240	594391	20.00	ng	0.00
86) Perylene-d12	24.77	264	602011	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	10217	1.41	ng	0.00
7) Phenol-d6	7.16	99	31255	2.99	ng	0.00
23) Nitrobenzene-d5	9.15	82	544510	68.00	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	227	0.09	ng	0.00
45) 2-Fluorobiphenyl	13.25	172	1020769	57.92	ng	0.00
79) Terphenyl-d14	19.98	244	1383609	51.80	ng	0.00

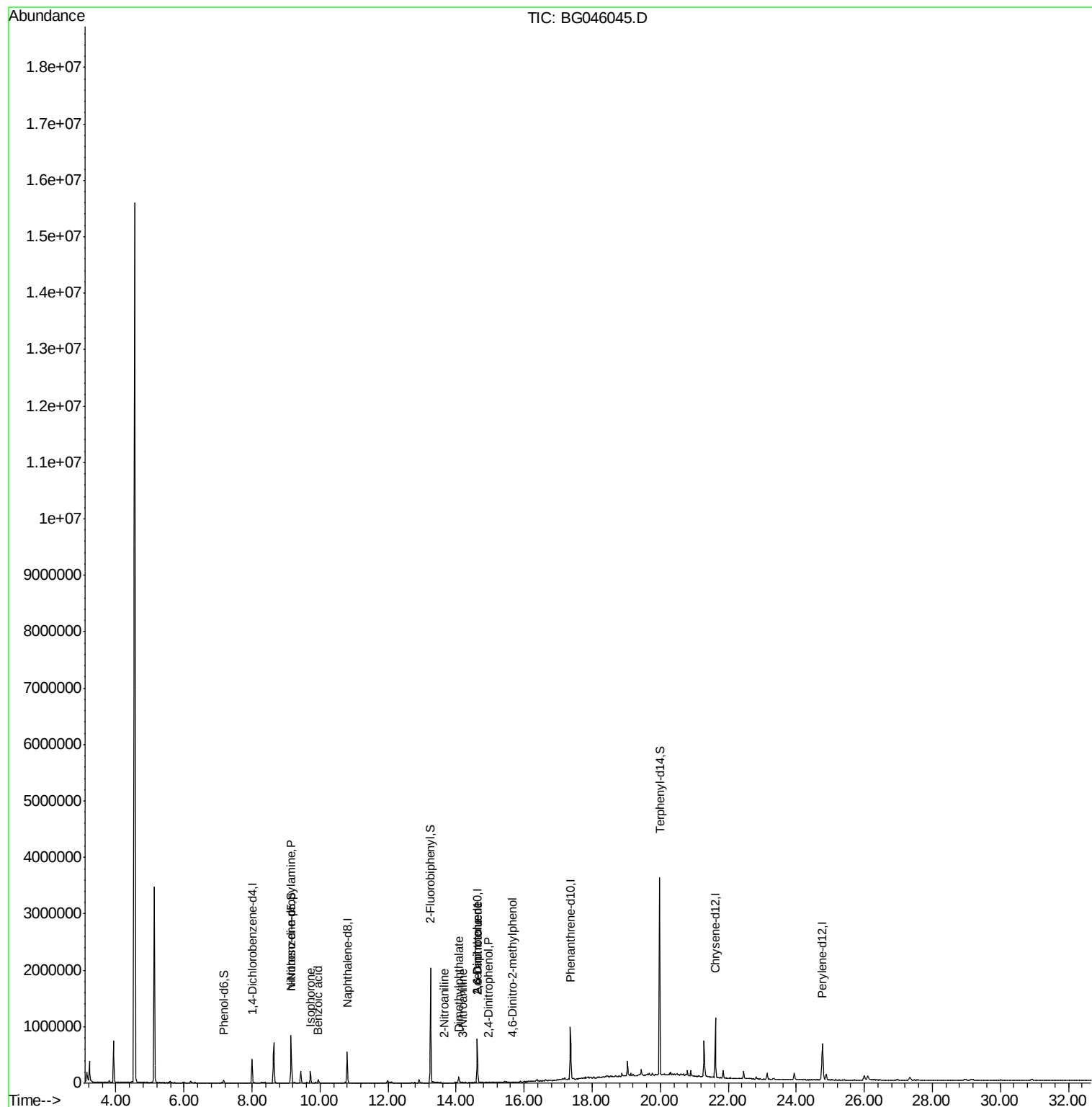
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.16	70	70072	9.527	ng	# 77
25) Isophorone	9.72	82	167062	8.547	ng	# 98
32) Benzoic acid	9.94	122	630	6.635	ng	# 24
48) 2-Nitroaniline	13.67	65	65	3.383	ng	# 7
50) Dimethylphthalate	14.08	163	64810	3.141	ng	# 96
51) 2,6-Dinitrotoluene	14.62	165	35600	12.293	ng	# 19
53) 3-Nitroaniline	14.20	138	84	3.000	ng	# 1
54) 2,4-Dinitrophenol	14.95	184	55	6.147	ng	# 10
57) 2,4-Dinitrotoluene	14.62	165	35600	10.862	ng	# 21
65) 4,6-Dinitro-2-methylphenol	15.66	198	68	6.819	ng	# 1

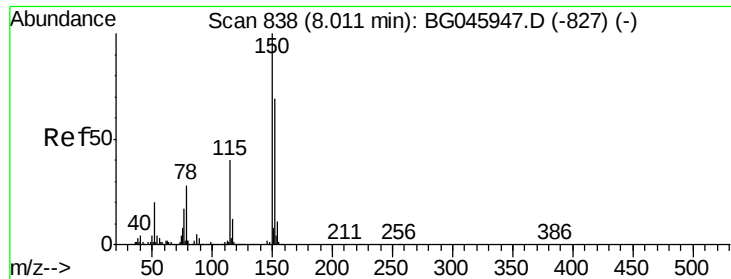
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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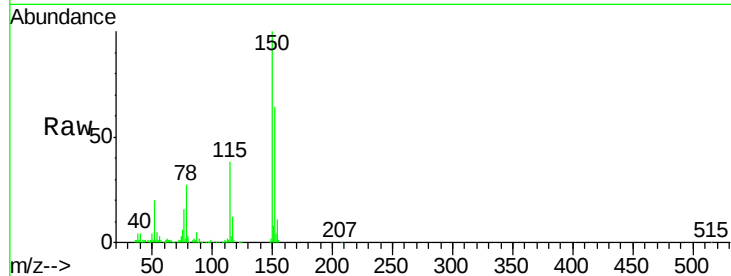


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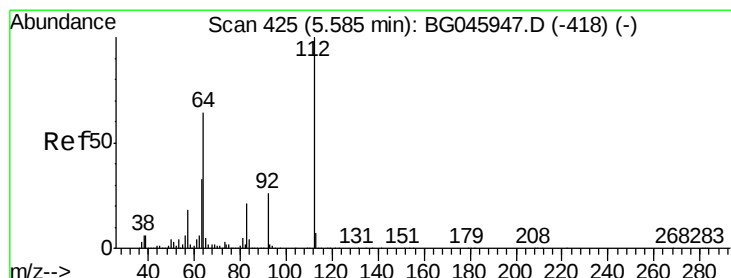
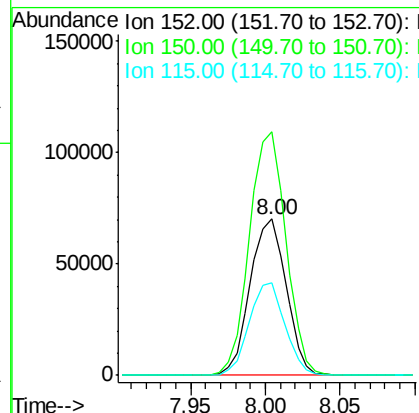
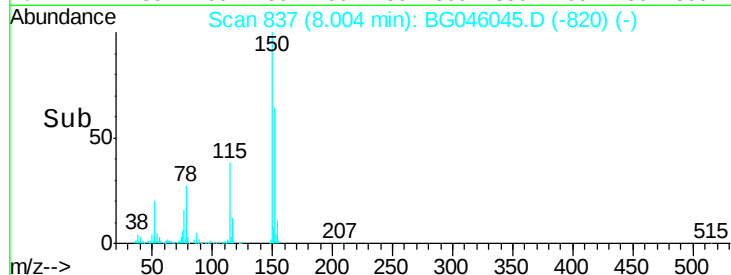
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.00 min Scan# 837
Delta R.T. -0.00 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

Instrument :
BNA_G
ClientSampleId :
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Tot Ion	152	Resp	117924
Ion	Ratio	Lower	Upper
152	100		
150	155.7	116.7	175.1
115	58.8	47.4	71.0



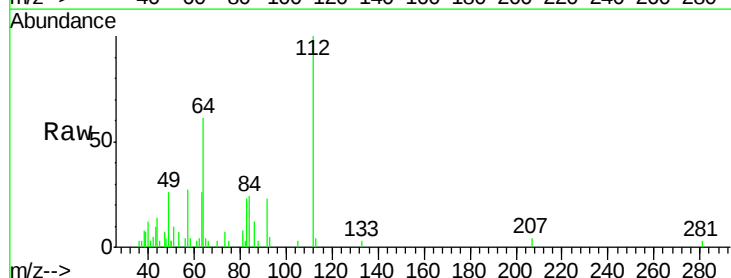
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



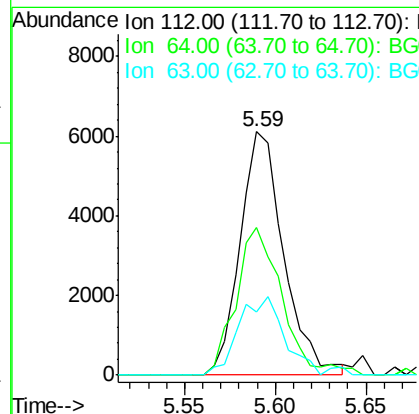
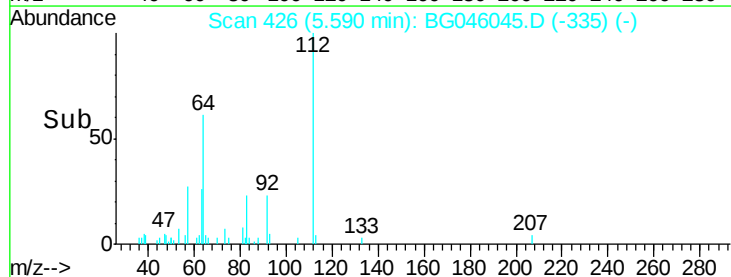
#5

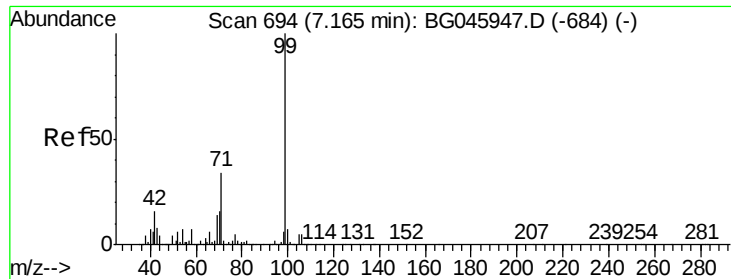
2-Fluorophenol
Concen: 1.405 ng
RT: 5.59 min Scan# 426
Delta R.T. 0.00 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

Tgt Ion	112	Resp	10217
Ion	Ratio	Lower	Upper
112	100		
64	60.8	51.4	77.2
63	25.8	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: 2.985 ng

RT: 7.16 min Scan# 694

Delta R.T. -0.00 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

Instrument :

BNA_G

ClientSampleId :

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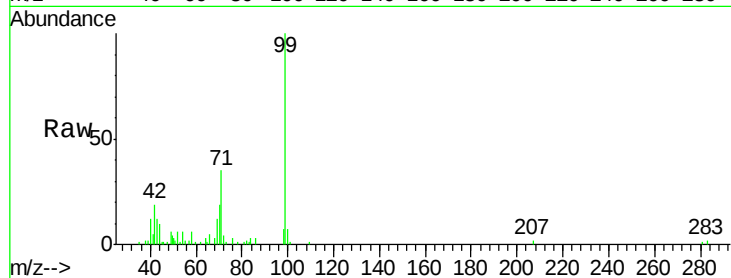
Tot Ion: 99 Resp: 31255

Ion Ratio Lower Upper

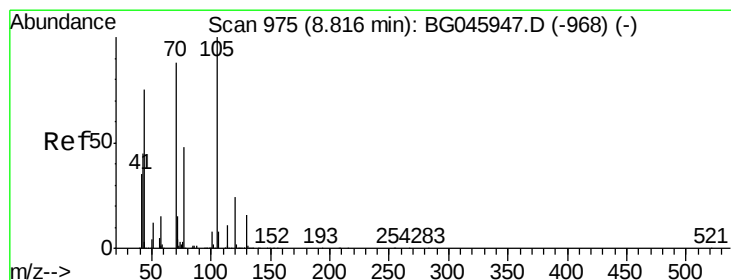
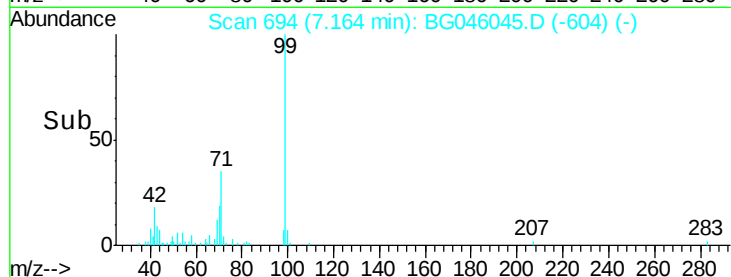
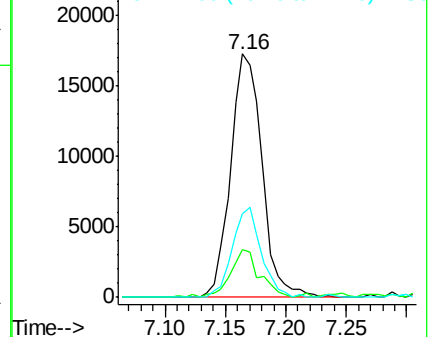
99 100

42 19.4 13.0 19.4

71 34.6 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: 9.527 ng

RT: 9.16 min Scan# 1033

Delta R.T. 0.35 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

Tgt Ion: 70 Resp: 70072

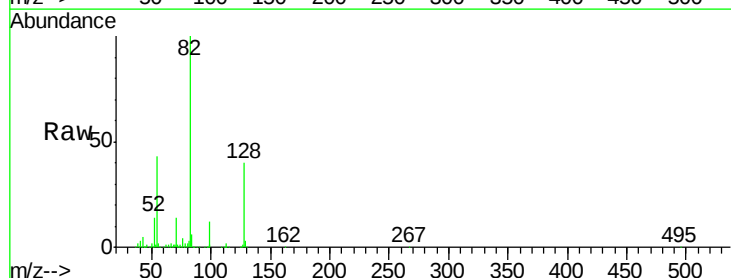
Ion Ratio Lower Upper

70 100

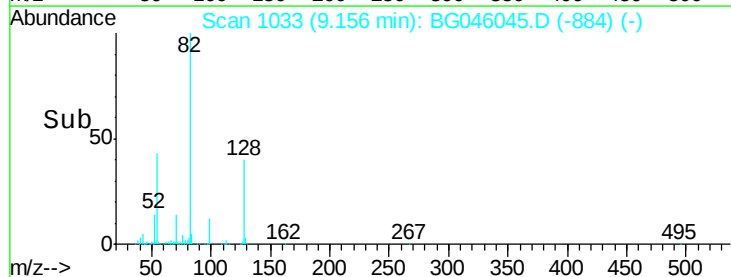
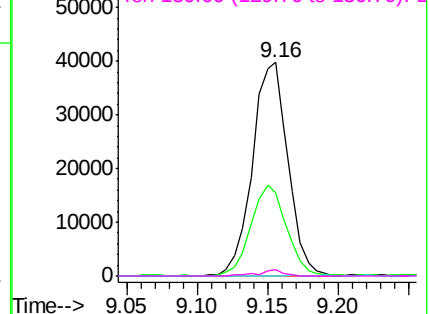
42 39.0 41.4 62.0#

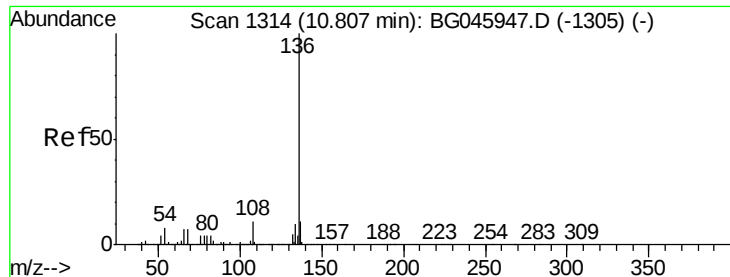
101 0.0 7.1 10.7#

130 2.7 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

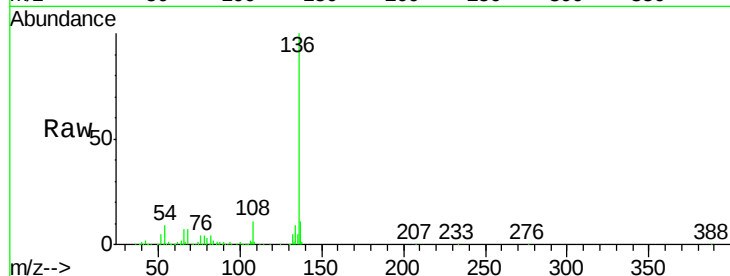




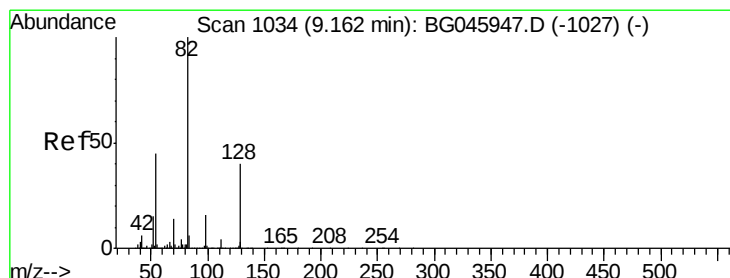
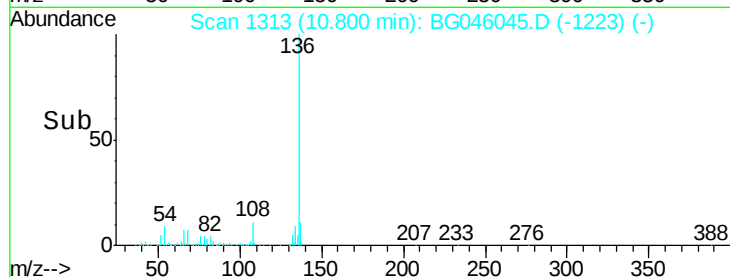
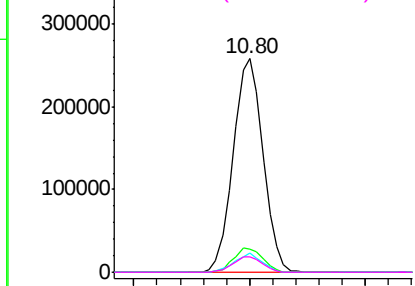
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

Instrument :
BNA_G
ClientSampleId :
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Tot Ion:136	Resp:	460874	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	9.2	13.8	
54 8.8	6.2	9.4	
68 7.0	5.8	8.8	

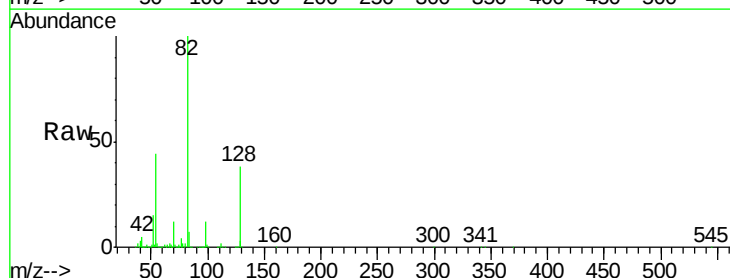


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

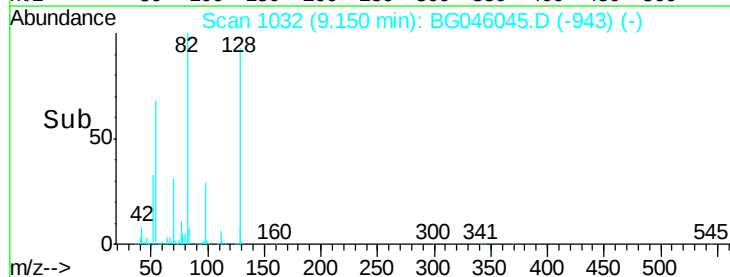
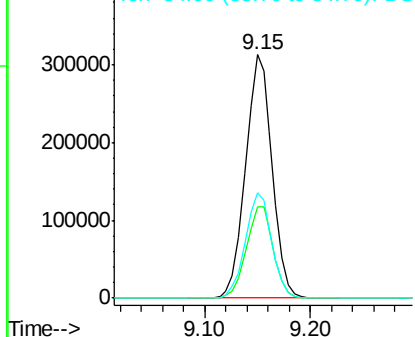


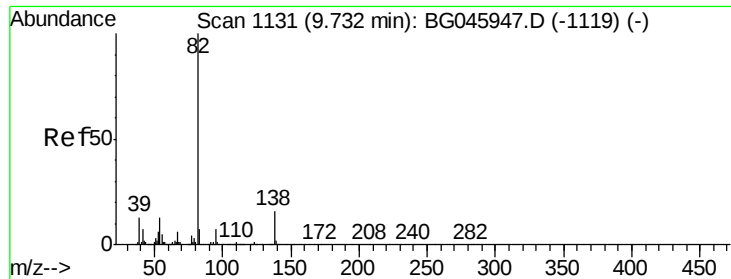
#23
Nitrobenzene-d5
Concen: 68.003 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

Tgt Ion: 82	Resp: 544510
Ion Ratio	Lower Upper
82 100	
128 37.6	32.2 48.4
54 43.5	35.8 53.6



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





#25

Isophorone

Concen: 8.547 ng

RT: 9.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

Instrument :

BNA_G

ClientSampleId :

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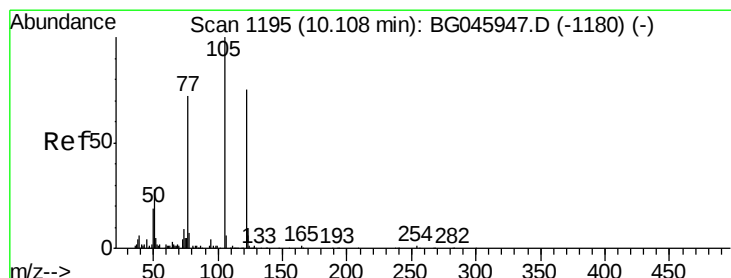
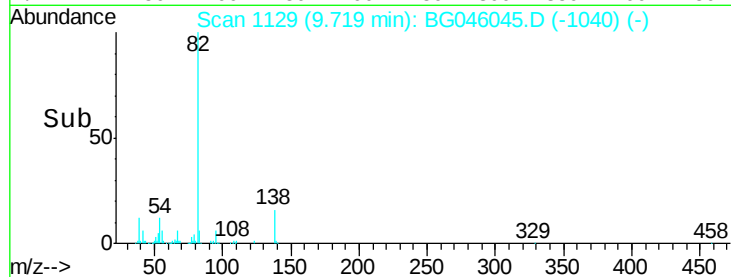
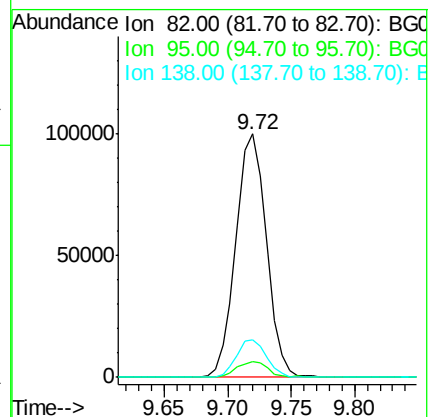
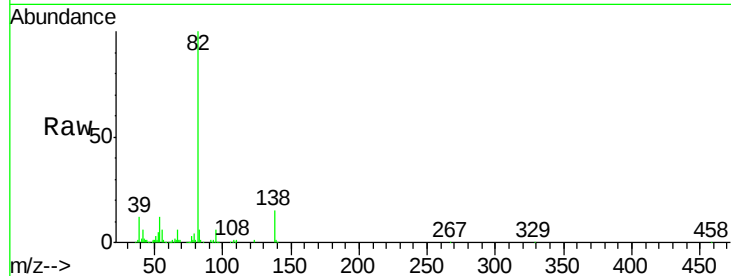
Tot Ion: 82 Resp: 167062

Ion Ratio Lower Upper

82 100

95 6.3 5.8 8.6

138 15.4 12.9 19.3



#32

Benzoic acid

Concen: 6.635 ng

RT: 9.94 min Scan# 1167

Delta R.T. -0.16 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

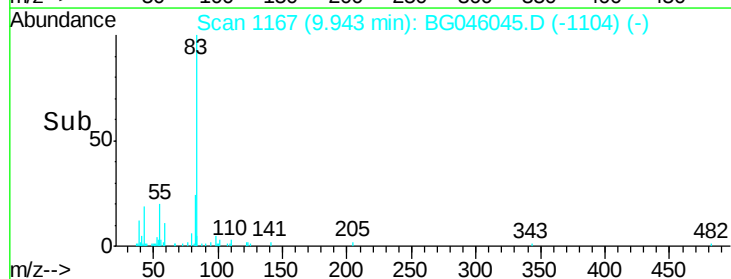
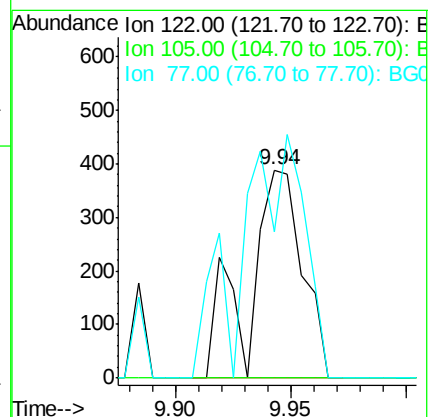
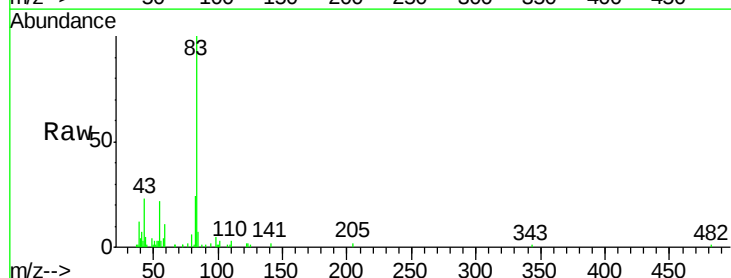
Tgt Ion: 122 Resp: 630

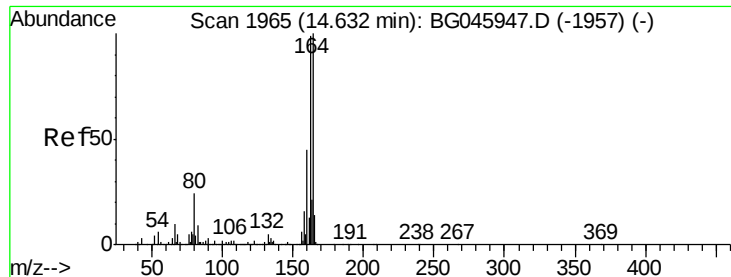
Ion Ratio Lower Upper

122 100

105 0.0 110.8 150.8#

77 70.4 76.4 116.4#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.62 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

Instrument :

BNA_G

ClientSampleId :

T-1

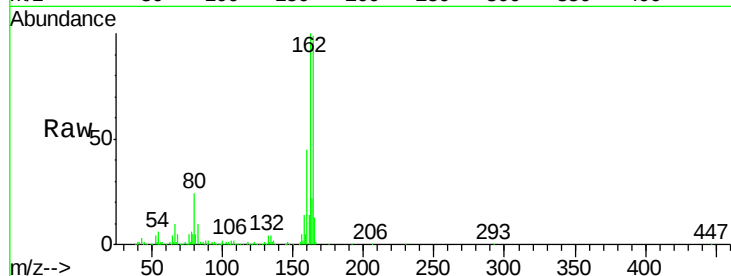
Tot Ion:164 Resp: 274912

Ion Ratio Lower Upper

164 100

162 101.0 79.3 118.9

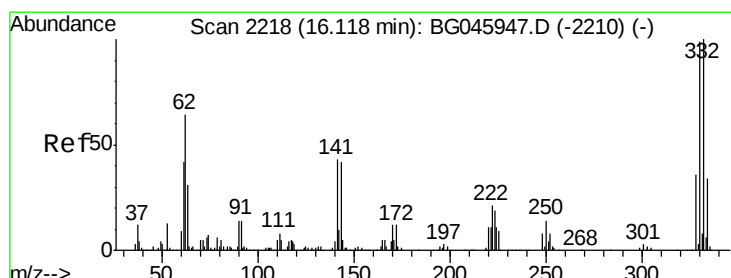
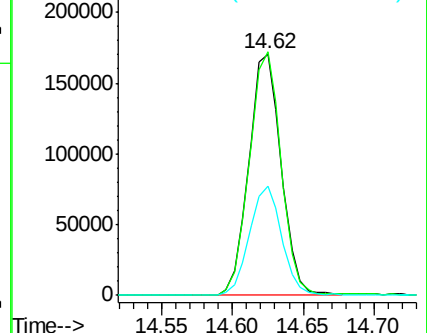
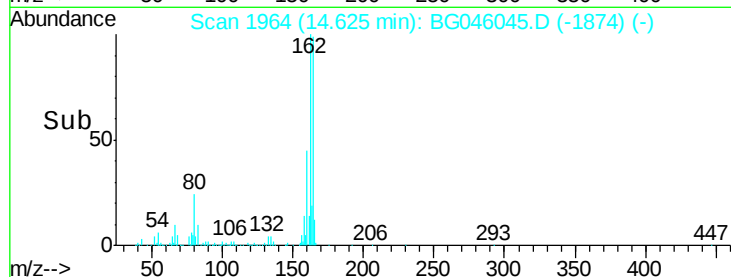
160 45.5 35.7 53.5



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: 0.089 ng

RT: 16.10 min Scan# 2216

Delta R.T. -0.01 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

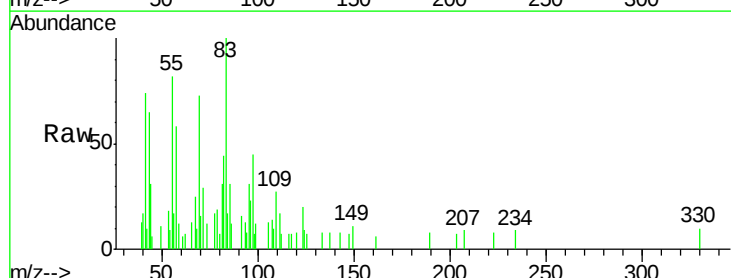
Tgt Ion:330 Resp: 227

Ion Ratio Lower Upper

330 100

332 0.0 78.3 117.5#

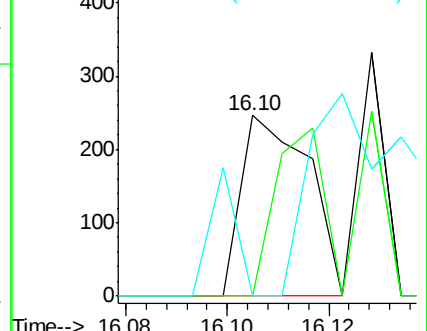
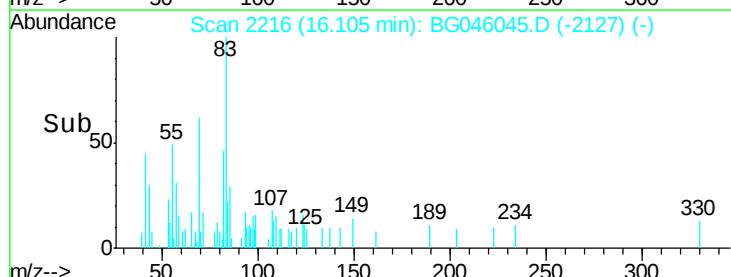
141 27.3 36.6 54.8#

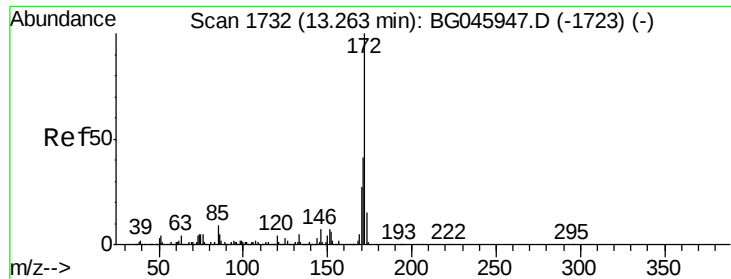


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

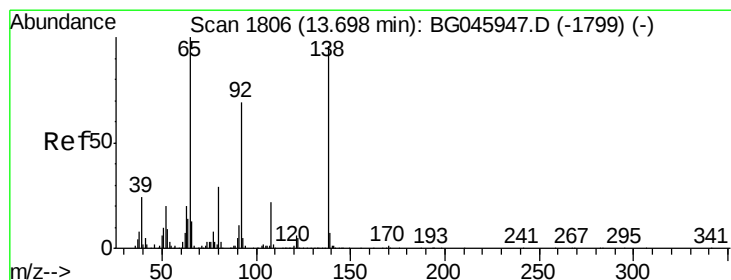
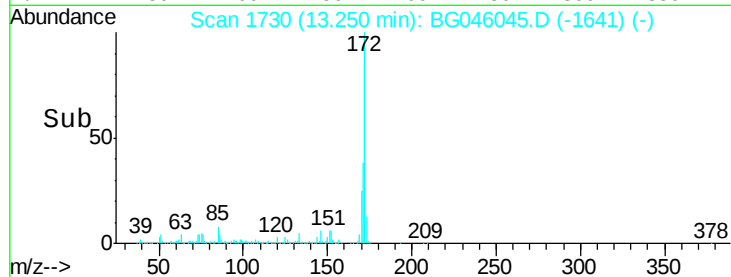
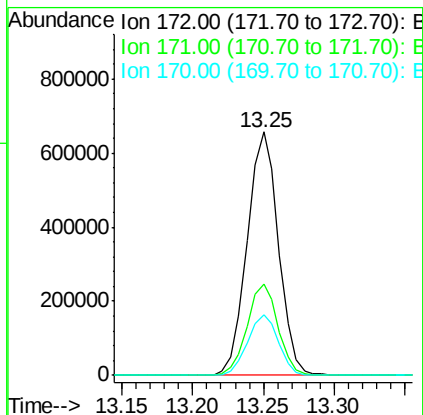
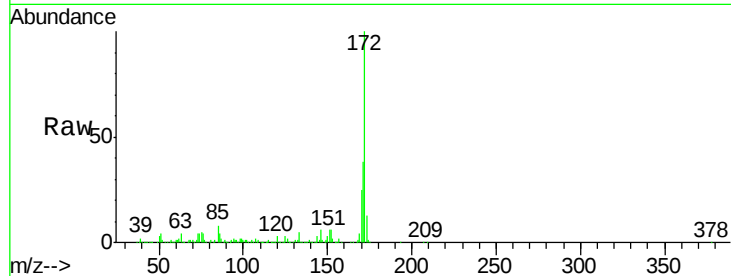




#45
2-Fluorobiphenyl
Concen: 57.917 ng
RT: 13.25 min Scan# 1730
Delta R.T. -0.01 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

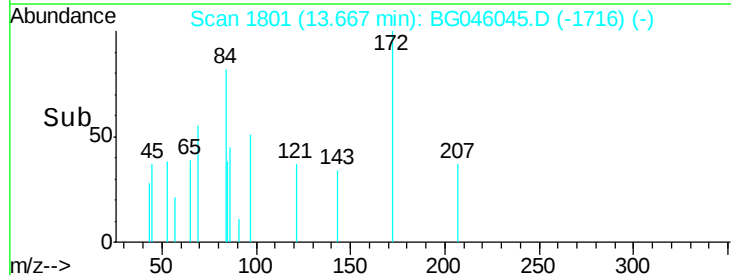
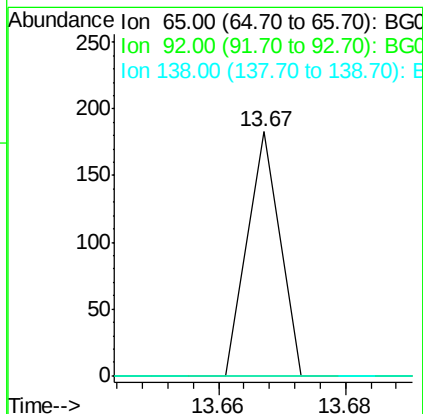
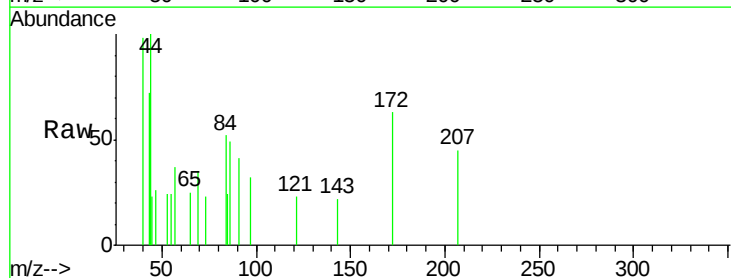
Instrument :
BNA_G
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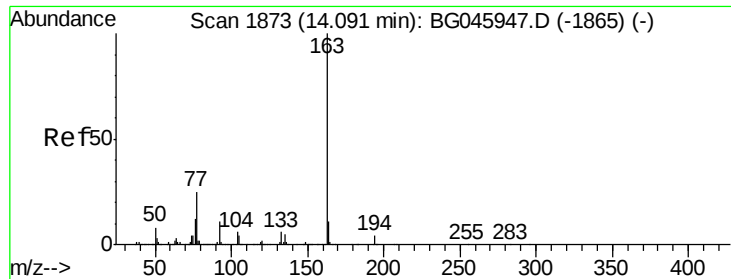
Tot Ion:172 Resp: 1020769
Ion Ratio Lower Upper
172 100
171 37.6 32.9 49.3
170 24.9 21.8 32.6



#48
2-Nitroaniline
Concen: 3.383 ng
RT: 13.67 min Scan# 1801
Delta R.T. -0.03 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

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

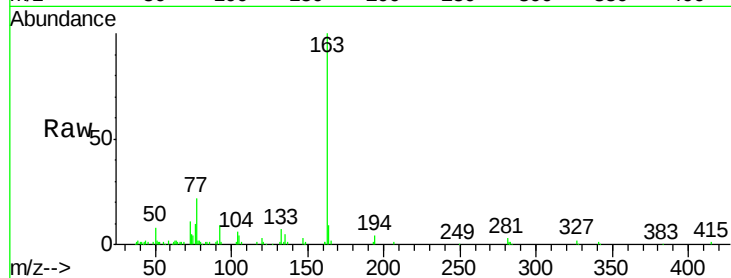




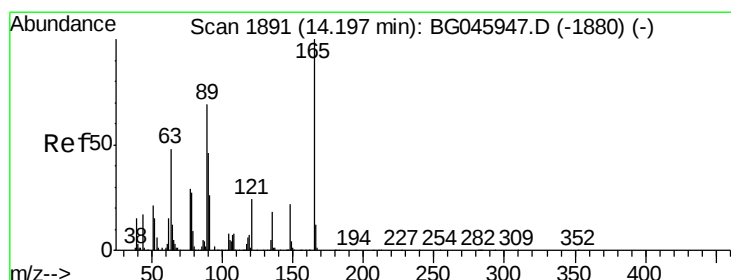
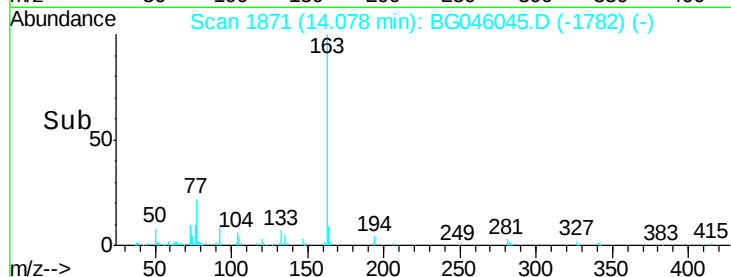
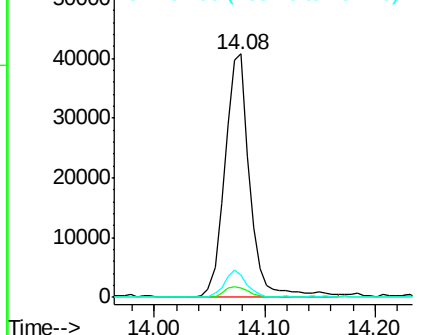
#50
Dimethylphthalate
Concen: 3.141 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

Instrument :
BNA_G
ClientSampled :
T-1

Tot Ion:163 Resp: 64810
Ion Ratio Lower Upper
163 100
194 3.7 3.6 5.4
164 9.3 8.9 13.3

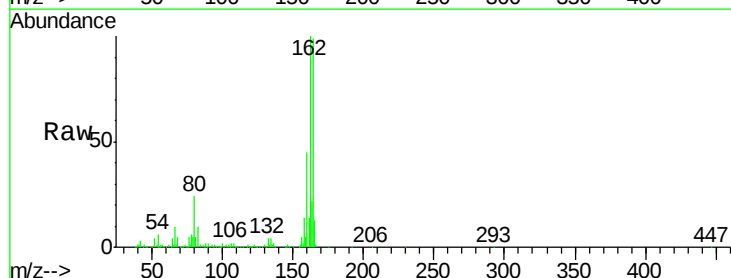


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

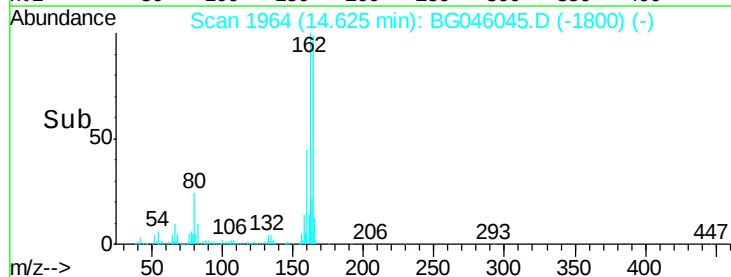
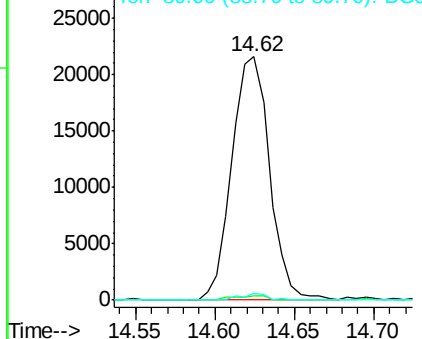


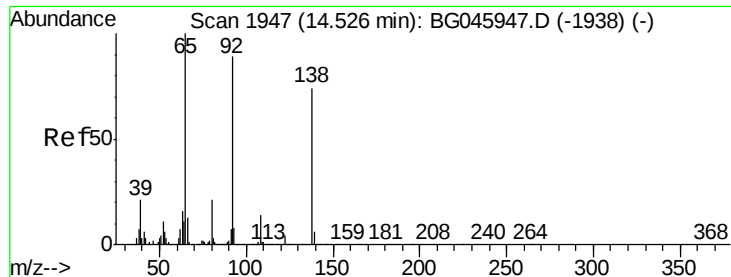
#51
2,6-Dinitrotoluene
Concen: 12.293 ng
RT: 14.62 min Scan# 1964
Delta R.T. 0.43 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

Tgt Ion:165 Resp: 35600
Ion Ratio Lower Upper
165 100
63 2.0 51.0 76.4#
89 2.6 55.7 83.5#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG0
Ion 89.00 (88.70 to 89.70): BG0

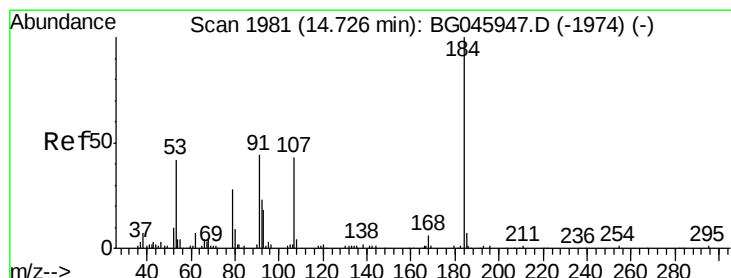
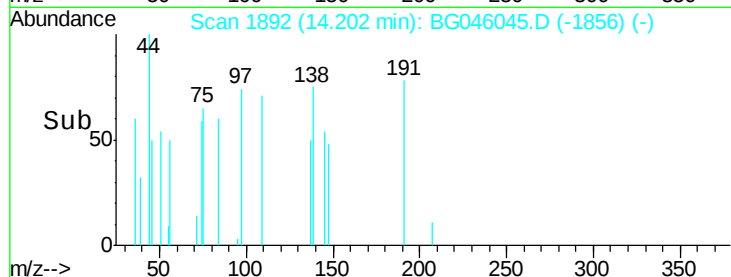
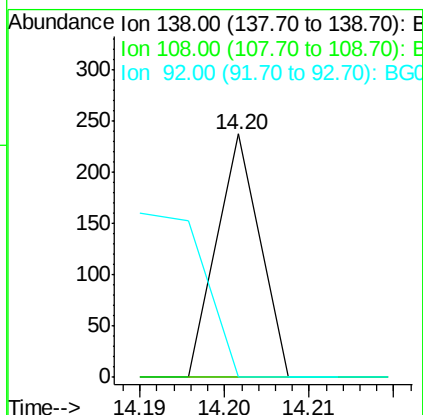
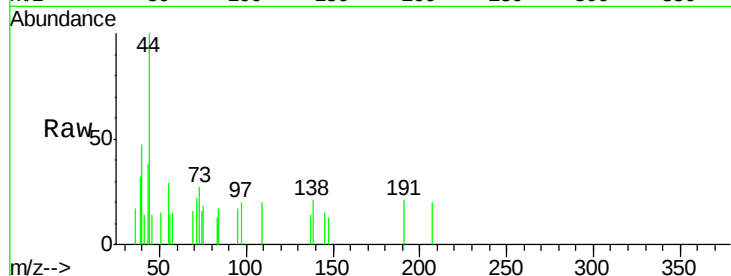




#53
3-Nitroaniline
Concen: 3.000 ng
RT: 14.20 min Scan# 1892
Delta R.T. -0.32 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

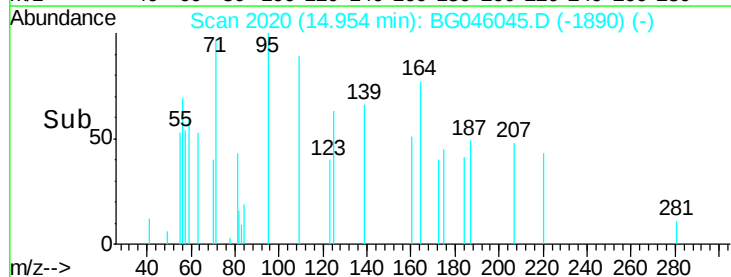
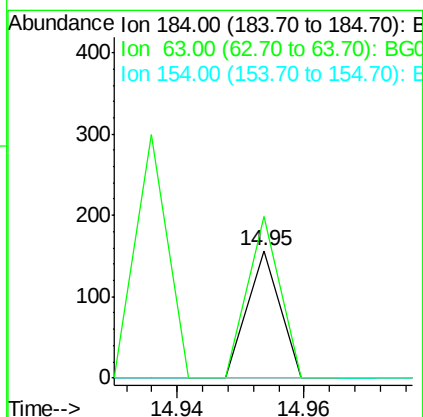
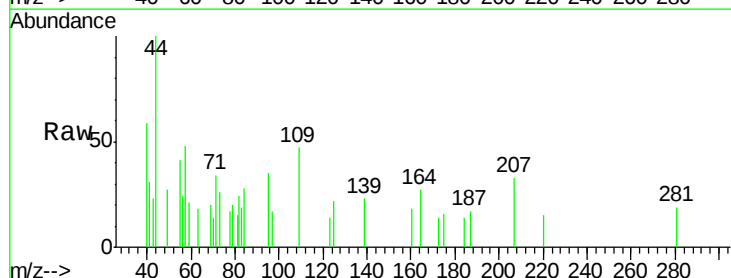
Instrument :
BNA_G
ClientSampled :
T-1

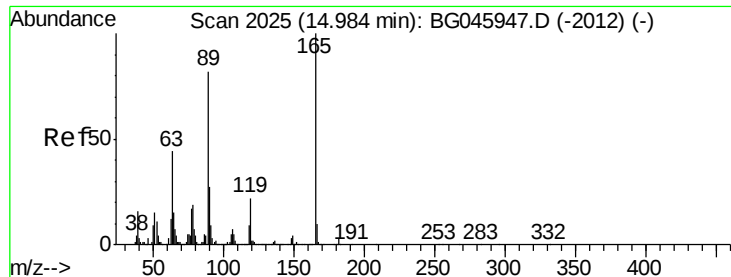
Tot Ion:138 Resp: 84
Ion Ratio Lower Upper
138 100
108 0.0 15.4 23.2#
92 0.0 95.9 143.9#



#54
2,4-Dinitrophenol
Concen: 6.147 ng
RT: 14.95 min Scan# 2020
Delta R.T. 0.23 min
Lab File: BG046045.D
Acq: 14 Jul 2020 23:10

Tgt Ion:184 Resp: 55
Ion Ratio Lower Upper
184 100
63 126.8 46.0 69.0#
154 0.0 58.2 87.2#

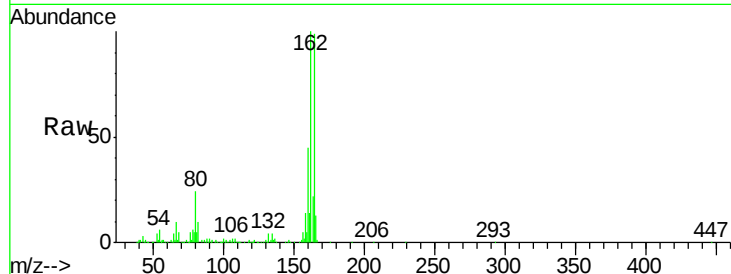




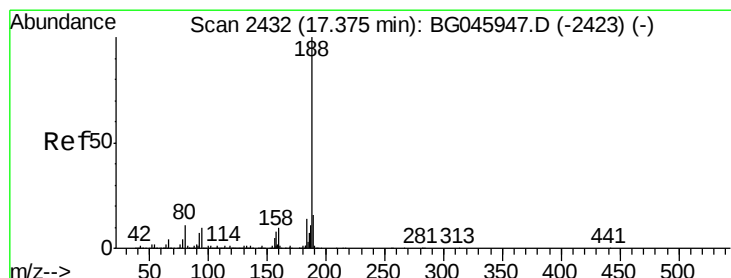
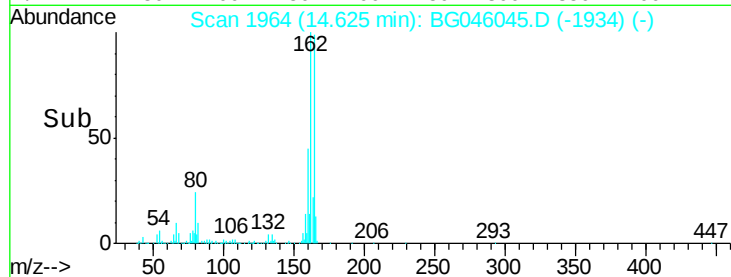
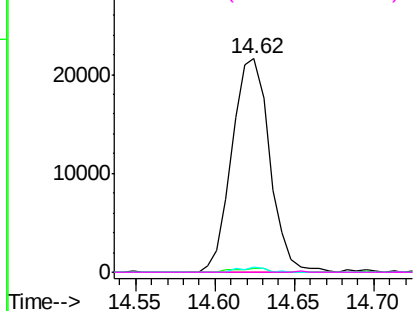
#57
 2,4-Dinitrotoluene
 Concen: 10.862 ng
 RT: 14.62 min Scan# 1964
 Delta R.T. -0.35 min
 Lab File: BG046045.D
 Acq: 14 Jul 2020 23:10

Instrument :
 BNA_G
 ClientSampleId :
 T-1

Tot Ion:165 Resp: 35600
 Ion Ratio Lower Upper
 165 100
 63 2.0 35.4 53.0#
 89 2.6 65.4 98.2#
 182 0.0 2.0 3.0#

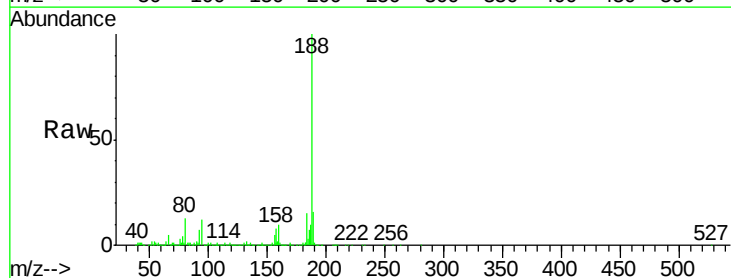


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

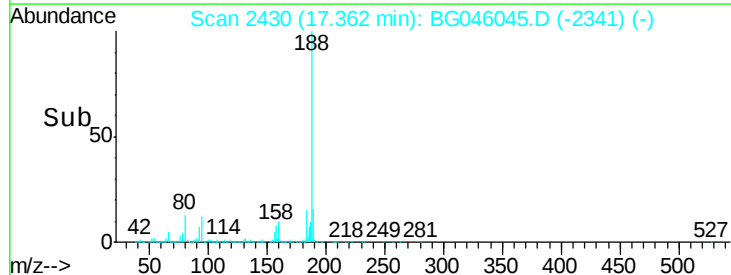
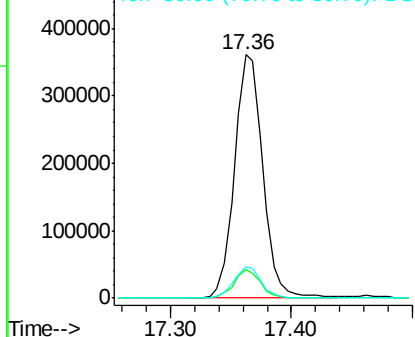


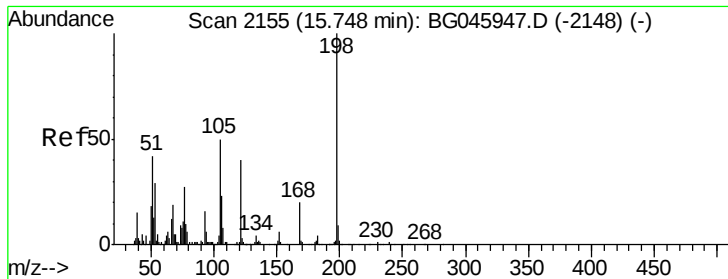
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.36 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BG046045.D
 Acq: 14 Jul 2020 23:10

Tgt Ion:188 Resp: 588411
 Ion Ratio Lower Upper
 188 100
 94 11.7 8.2 12.4
 80 13.0 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: 6.819 ng

RT: 15.66 min Scan# 2141

Delta R.T. -0.08 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

Instrument :

BNA_G

ClientSampled :

T-1

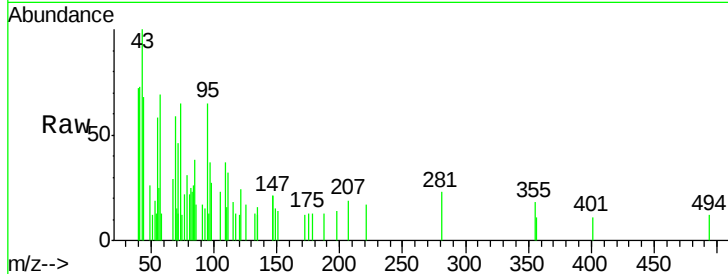
Tot Ion:198 Resp: 68

Ion Ratio Lower Upper

198 100

51 86.5 24.5 64.5#

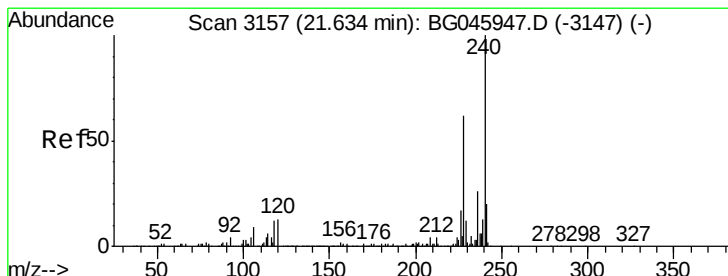
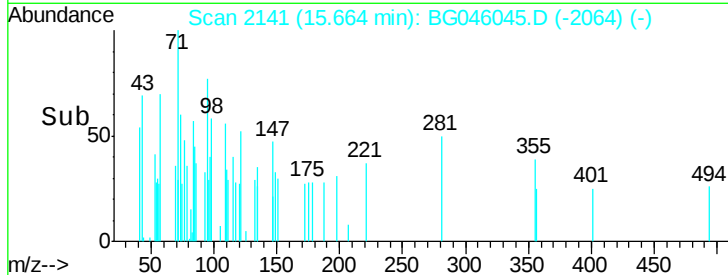
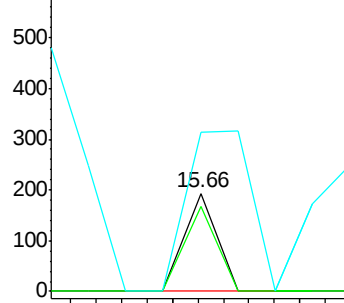
105 163.2 30.9 70.9#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG045947.D (-2148) (-)

Ion 105.00 (104.70 to 105.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.62 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

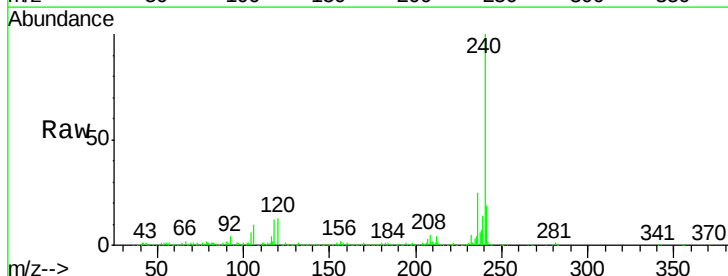
Tgt Ion:240 Resp: 594391

Ion Ratio Lower Upper

240 100

120 12.8 10.6 16.0

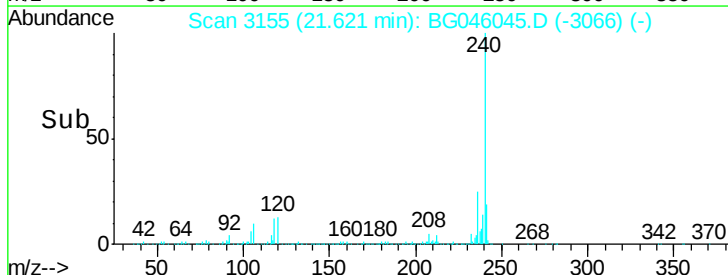
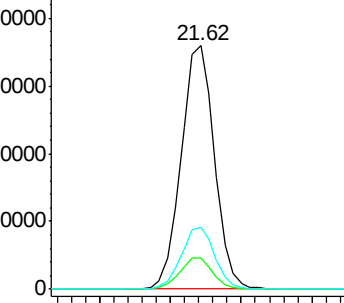
236 25.5 20.4 30.6

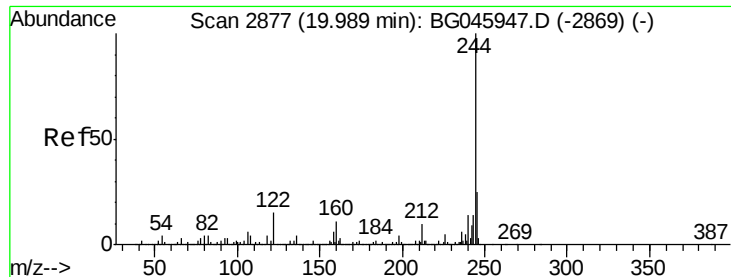


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 51.805 ng

RT: 19.98 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

Instrument :

BNA_G

ClientSampled :

T-1

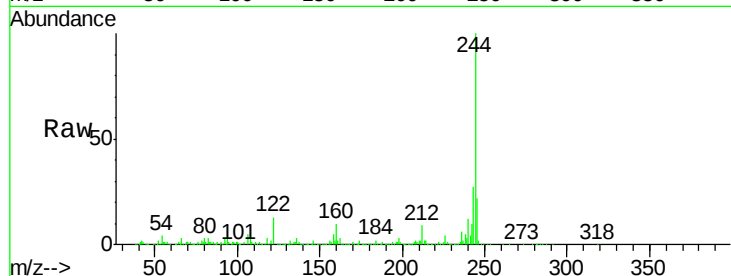
Tot Ion:244 Resp: 1383609

Ion Ratio Lower Upper

244 100

212 8.8 8.3 12.5

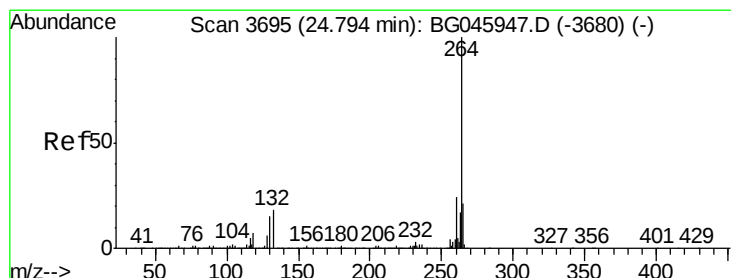
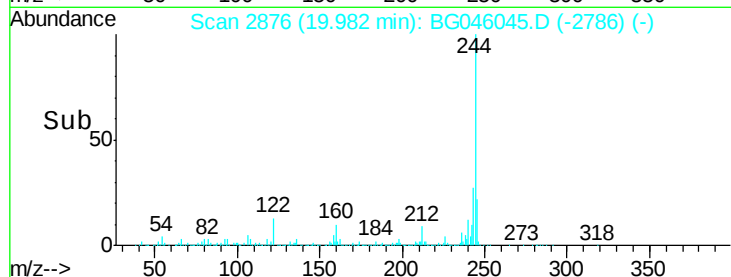
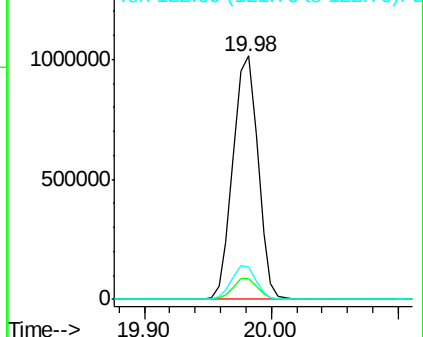
122 13.2 12.1 18.1



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

Perylene-d12

Concen: 20.000 ng

RT: 24.77 min Scan# 3691

Delta R.T. -0.01 min

Lab File: BG046045.D

Acq: 14 Jul 2020 23:10

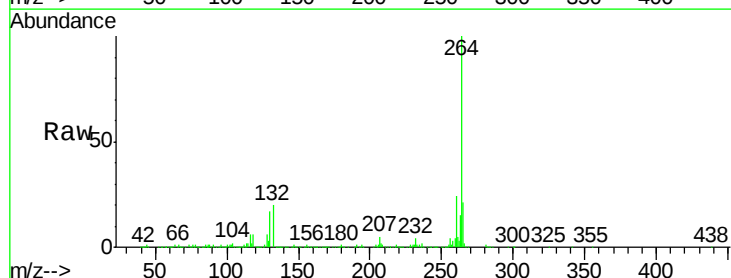
Tgt Ion:264 Resp: 602011

Ion Ratio Lower Upper

264 100

260 24.3 19.0 28.6

265 20.7 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

