

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\
 Data File : BG046497.D
 Acq On : 1 Sep 2020 23:31
 Operator : CG/JU
 Sample : L3851-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 11995

Quant Time: Sep 02 00:30:14 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 31 16:05:33 2020
 Response via : Initial Calibration

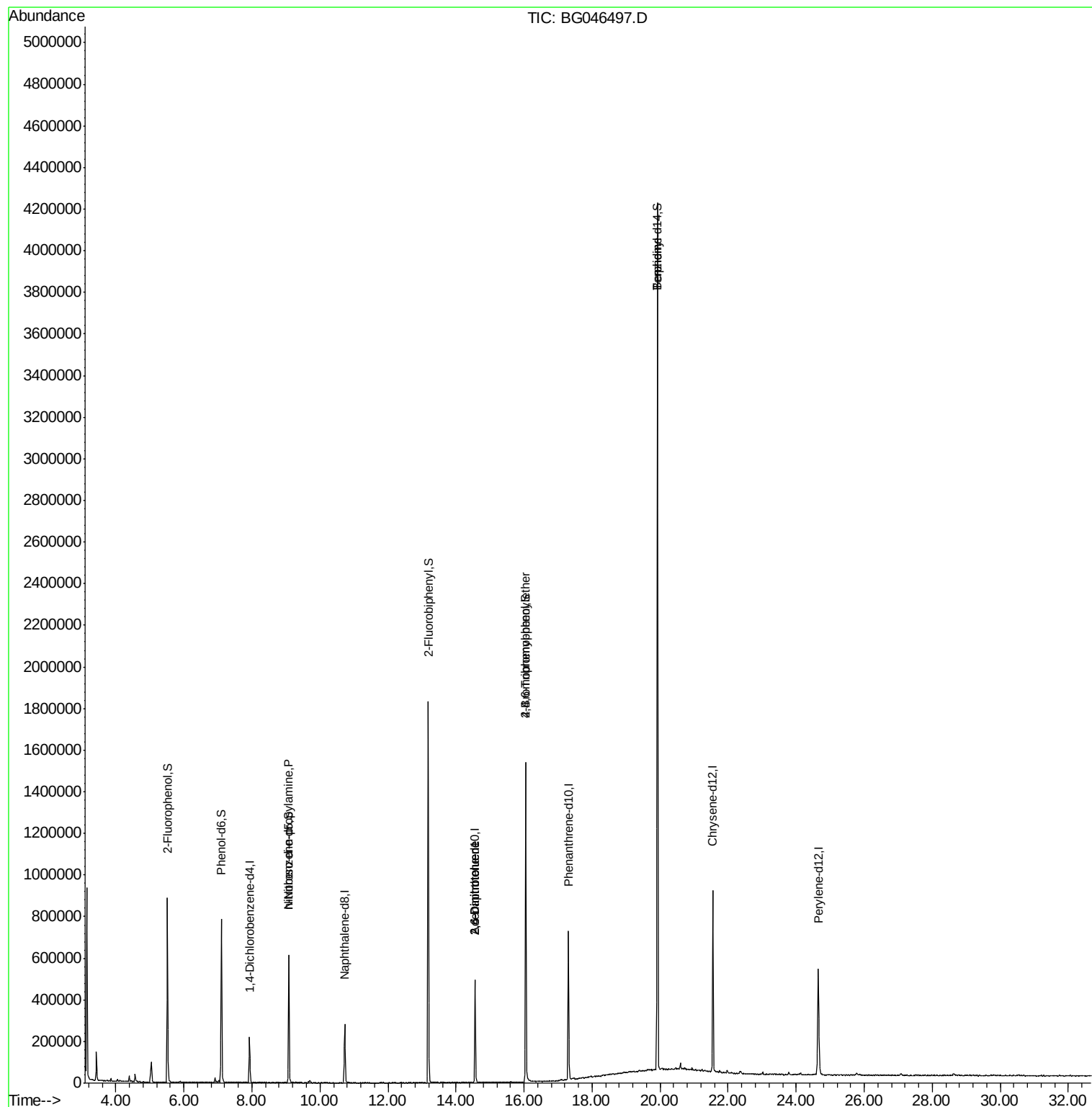
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	66554	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	264818	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	179281	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	474771	20.00	ng	0.00
76) Chrysene-d12	21.55	240	536914	20.00	ng	0.00
86) Perylene-d12	24.65	264	556362	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	412409	109.75	ng	0.00
7) Phenol-d6	7.10	99	483683	90.80	ng	0.00
23) Nitrobenzene-d5	9.08	82	399076	86.13	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	316048	130.11	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1023592	87.16	ng	0.00
79) Terphenyl-d14	19.92	244	1880211	74.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.09	70	51044	16.020	ng	# 74
51) 2,6-Dinitrotoluene	14.56	165	24121	7.889	ng	# 34
57) 2,4-Dinitrotoluene	14.56	165	24121	5.533	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	24891	4.494	ng	# 1
77) Benzidine	19.92	184	29885	2.395	ng	# 88

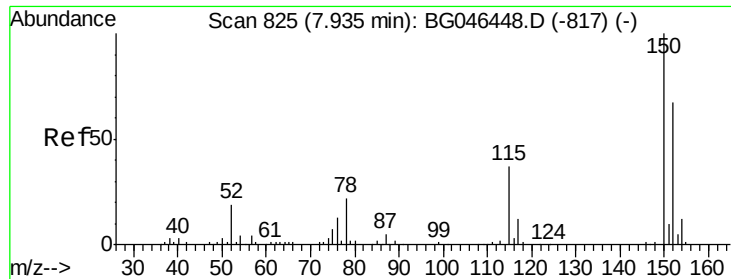
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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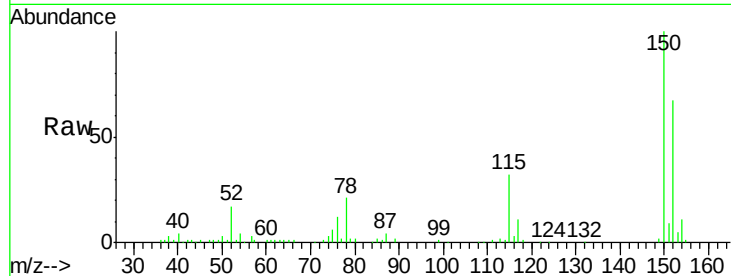


#1

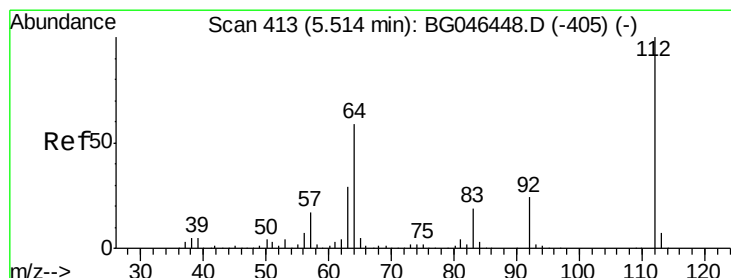
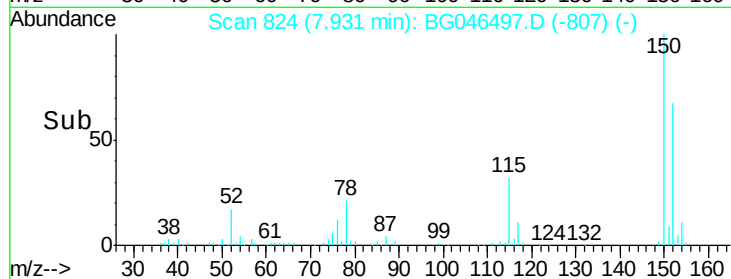
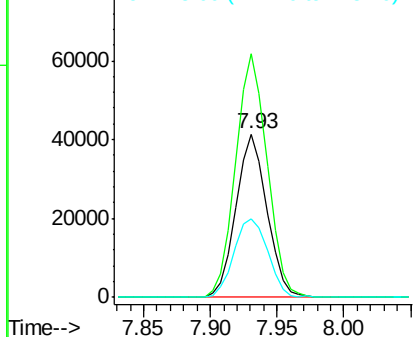
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Instrument :
BNA_G
ClientSampleId :
11995

Tot Ion:152 Resp: 66554
Ion Ratio Lower Upper
152 100
150 149.0 119.5 179.3
115 48.2 44.3 66.5



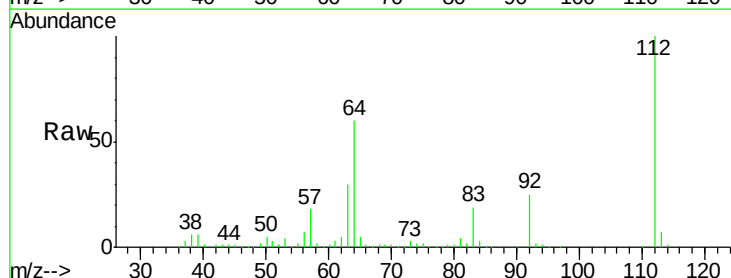
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



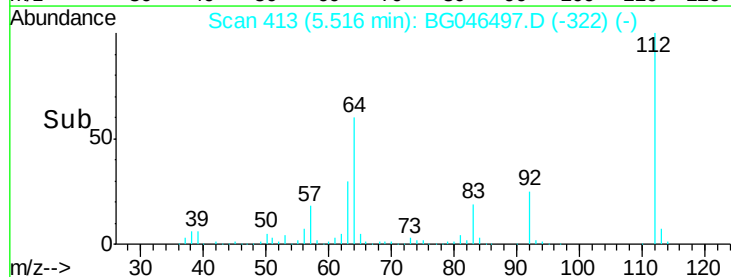
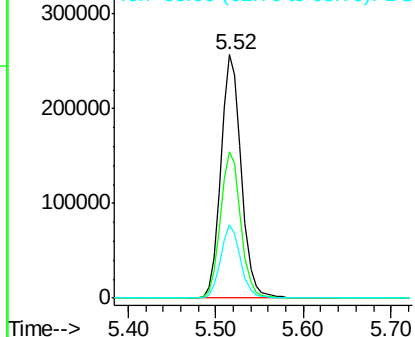
#5

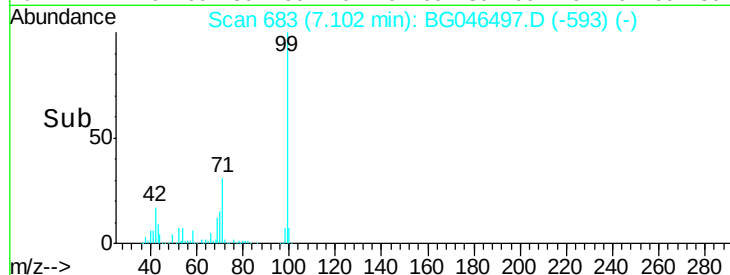
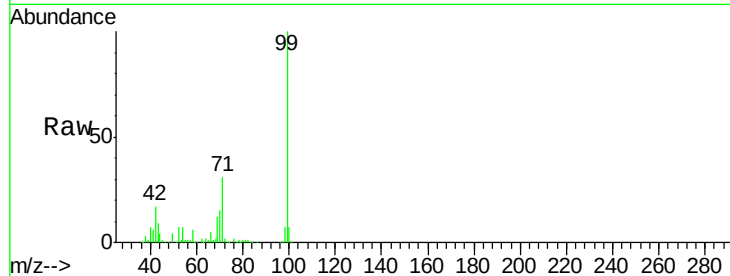
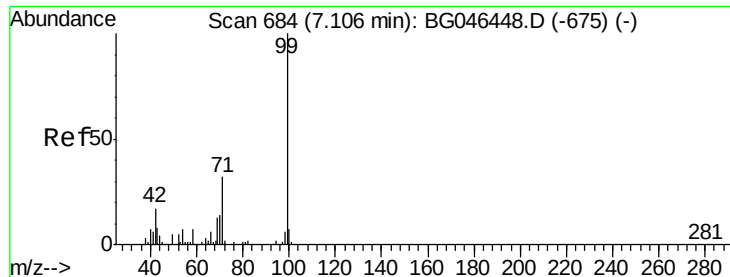
2-Fluorophenol
Concen: 109.753 ng
RT: 5.52 min Scan# 413
Delta R.T. 0.00 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Tgt Ion:112 Resp: 412409
Ion Ratio Lower Upper
112 100
64 60.2 47.0 70.6
63 30.2 23.5 35.3



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: 90.802 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046497.D

Acq: 1 Sep 2020 23:31

Instrument :

BNA_G

ClientSampleId :

11995

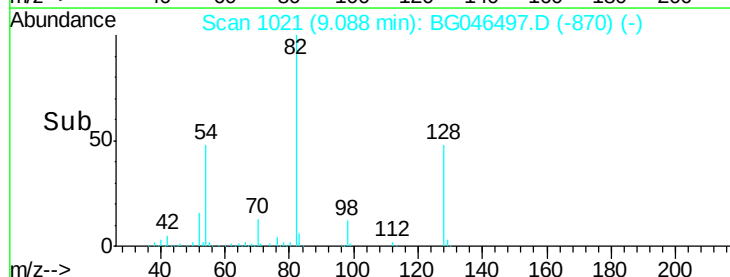
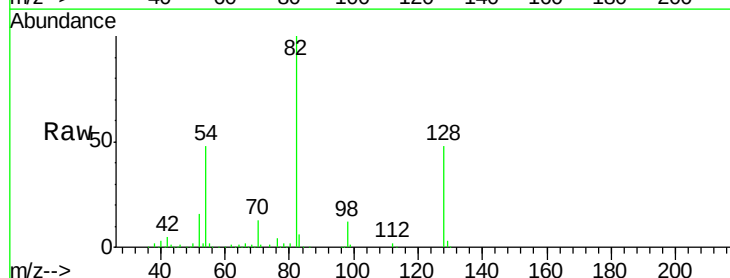
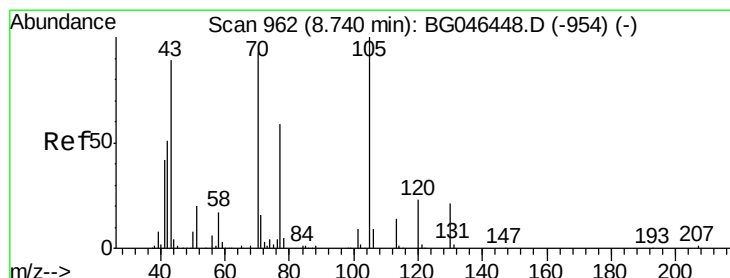
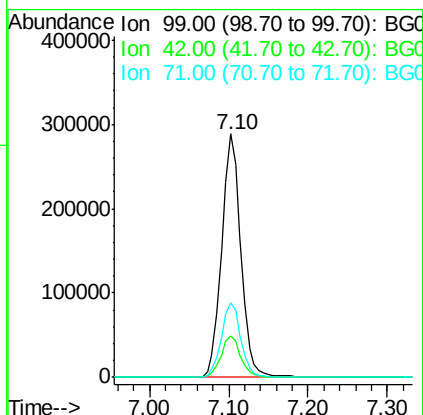
Tot Ion: 99 Resp: 483683

Ion Ratio Lower Upper

99 100

42 17.0 13.3 19.9

71 30.9 25.3 37.9



#19

n-Nitroso-di-n-propylamine

Concen: 16.020 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG046497.D

Acq: 1 Sep 2020 23:31

Tgt Ion: 70 Resp: 51044

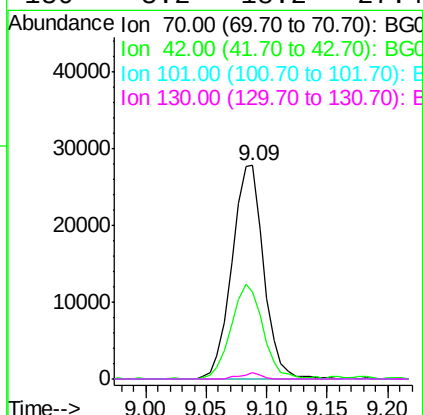
Ion Ratio Lower Upper

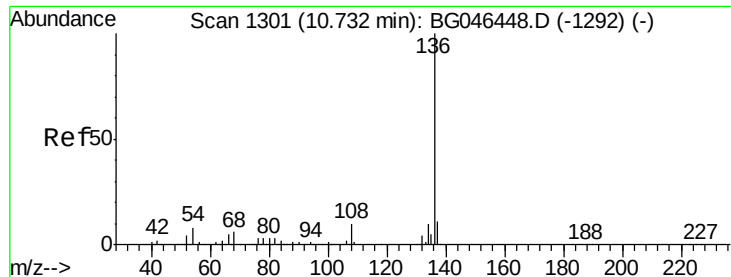
70 100

42 40.9 44.2 66.2#

101 0.0 7.8 11.8#

130 3.2 18.2 27.4#

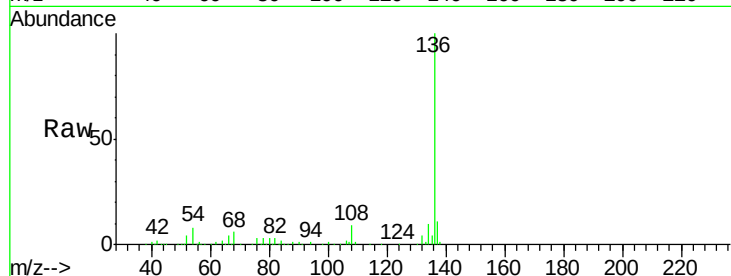




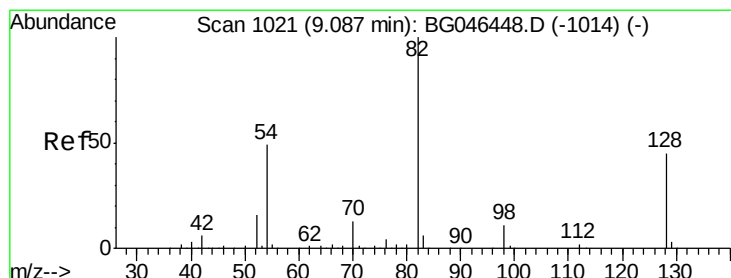
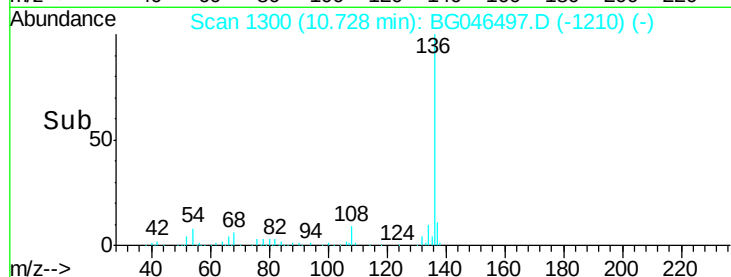
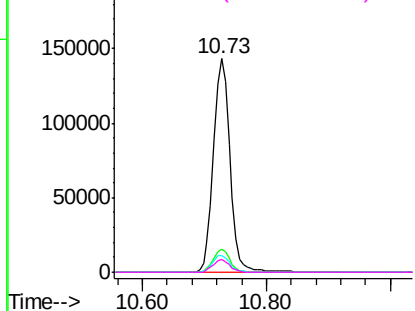
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Instrument :
BNA_G
ClientSampleId :
11995

Tot Ion:136 Resp: 264818
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.7 6.1 9.1
68 5.8 4.8 7.2

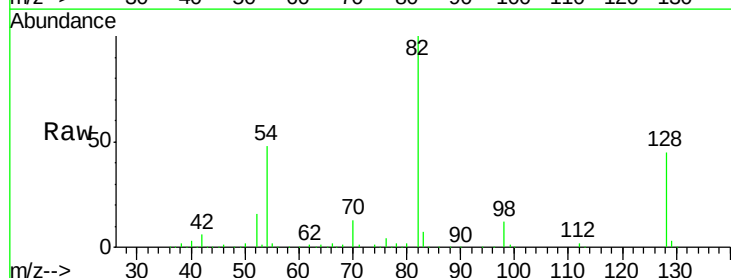


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

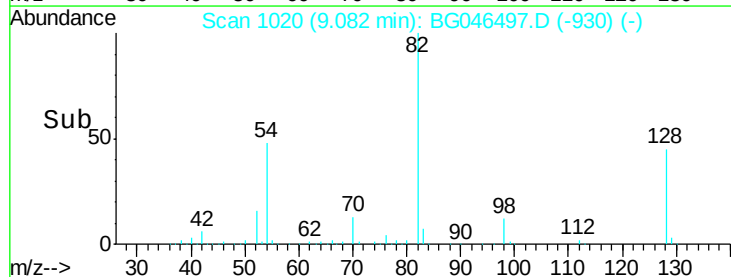
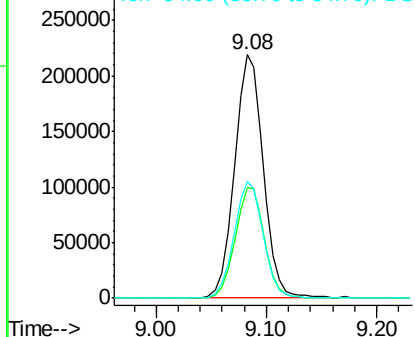


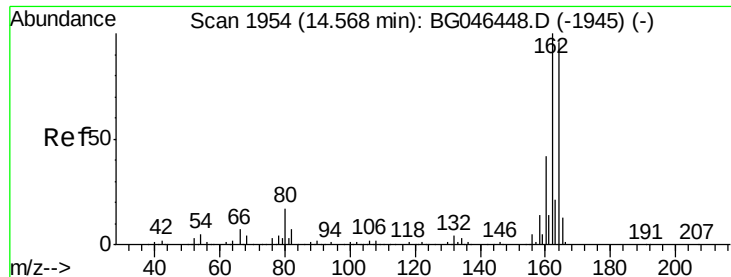
#23
Nitrobenzene-d5
Concen: 86.132 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Tgt Ion: 82 Resp: 399076
Ion Ratio Lower Upper
82 100
128 45.2 35.7 53.5
54 48.1 39.4 59.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG046497.D

Acq: 1 Sep 2020 23:31

Instrument :

BNA_G

ClientSampleId :

11995

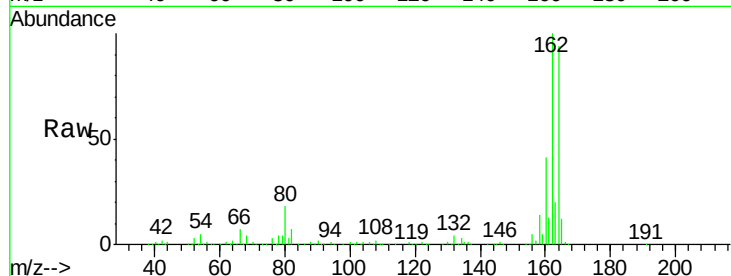
Tot Ion:164 Resp: 179281

Ion Ratio Lower Upper

164 100

162 106.1 83.3 124.9

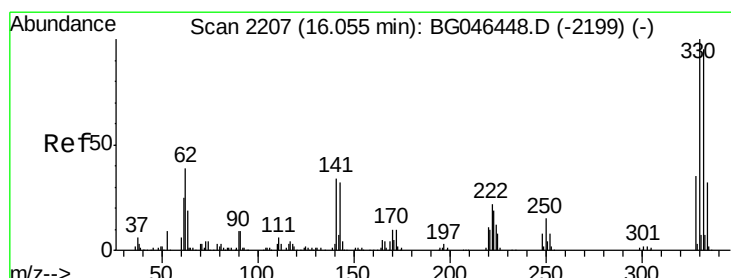
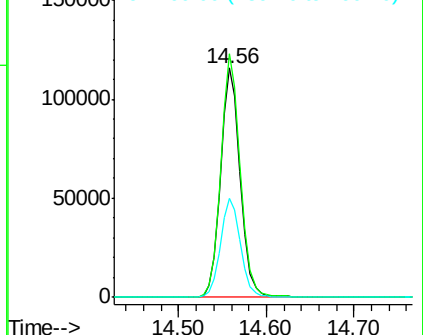
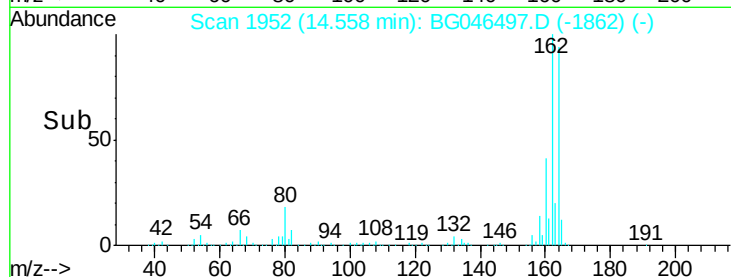
160 43.3 35.0 52.6



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: 130.107 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046497.D

Acq: 1 Sep 2020 23:31

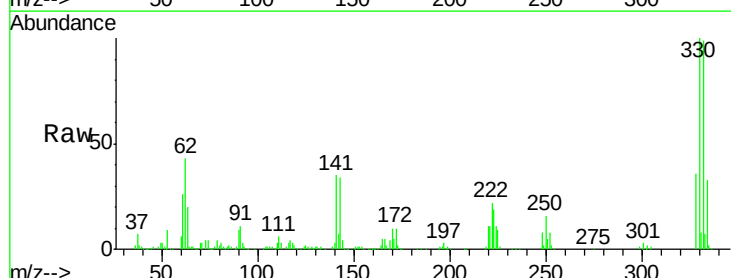
Tgt Ion:330 Resp: 316048

Ion Ratio Lower Upper

330 100

332 97.7 76.1 114.1

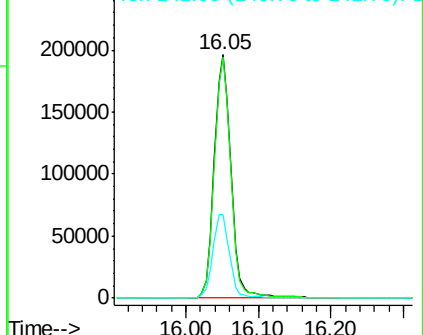
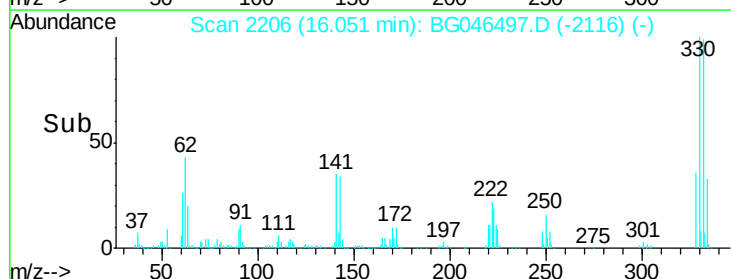
141 34.2 26.1 39.1

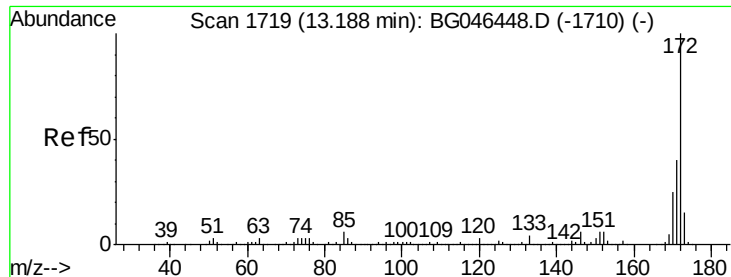


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

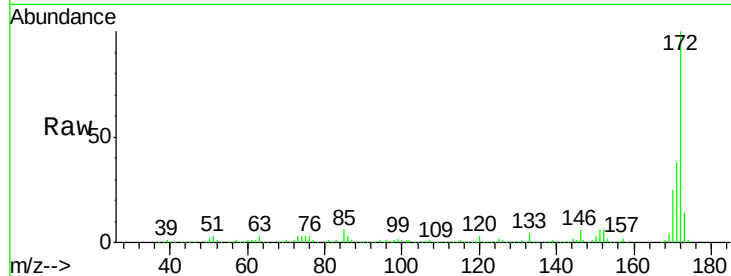




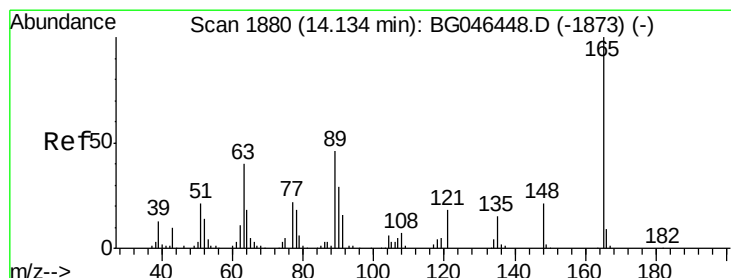
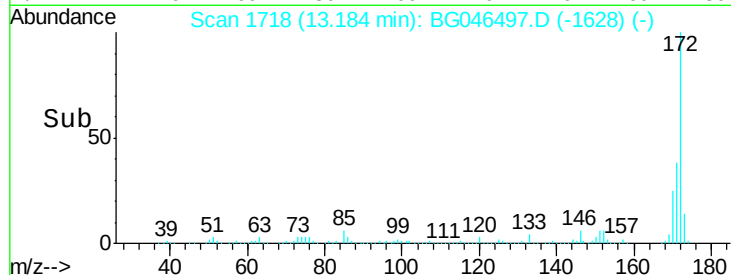
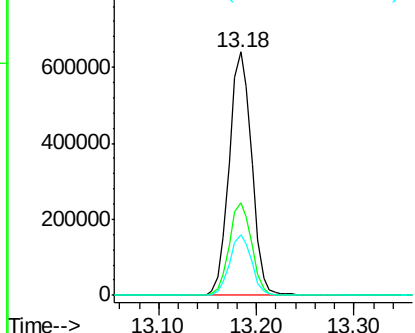
#45
2-Fluorobiphenyl
Concen: 87.158 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Instrument :
BNA_G
ClientSampleId :
11995

Tot Ion:172 Resp: 1023592
Ion Ratio Lower Upper
172 100
171 38.2 31.8 47.6
170 24.8 20.3 30.5

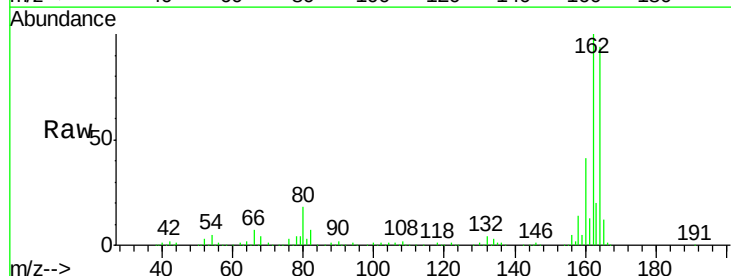


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

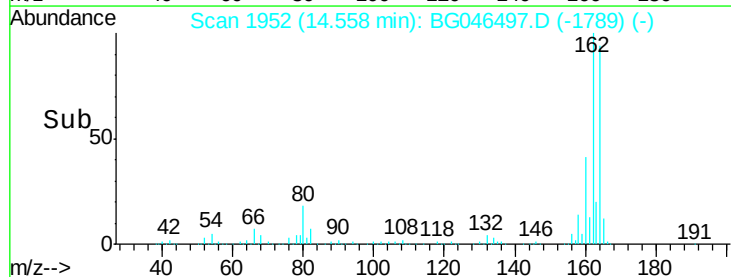
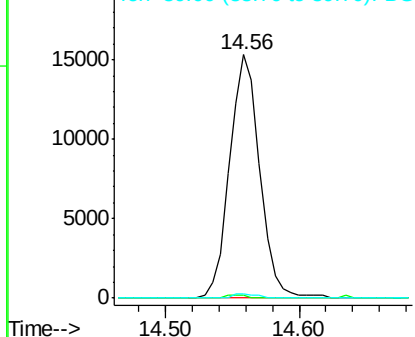


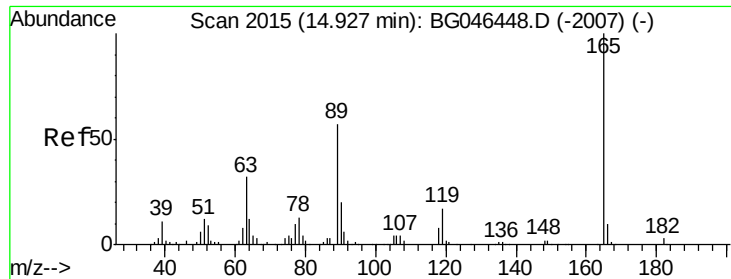
#51
2,6-Dinitrotoluene
Concen: 7.889 ng
RT: 14.56 min Scan# 1952
Delta R.T. 0.43 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Tgt Ion:165 Resp: 24121
Ion Ratio Lower Upper
165 100
63 1.2 34.2 51.4#
89 1.9 37.0 55.4#



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

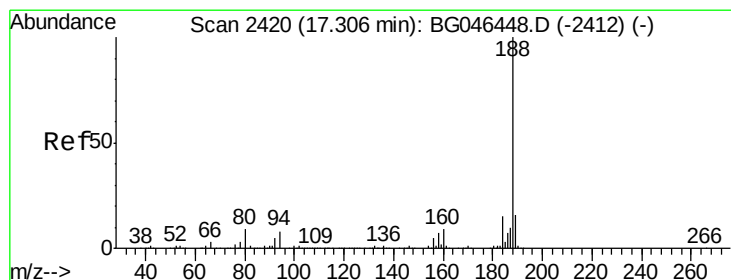
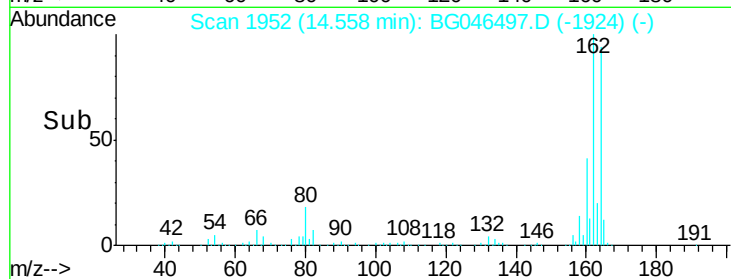
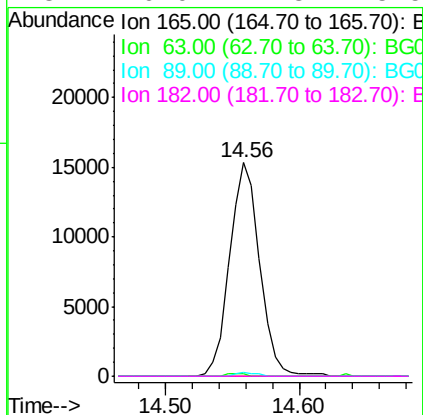
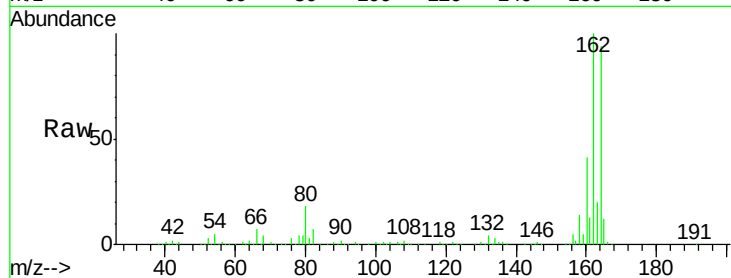




#57
 2,4-Dinitrotoluene
 Concen: 5.533 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.37 min
 Lab File: BG046497.D
 Acq: 1 Sep 2020 23:31

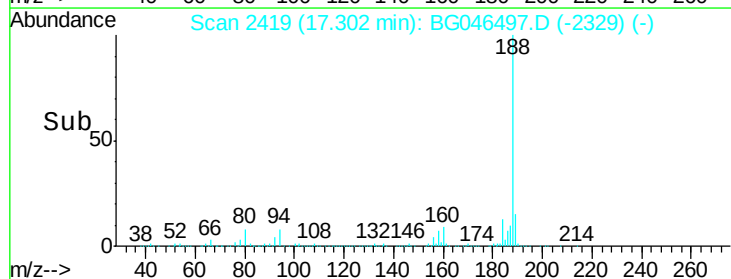
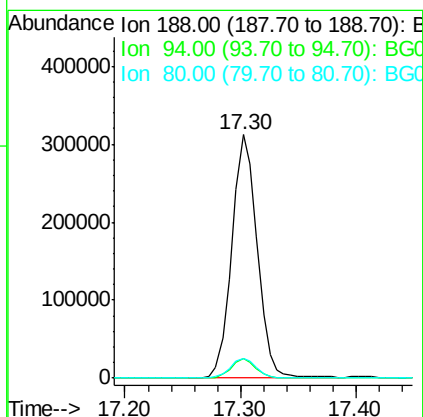
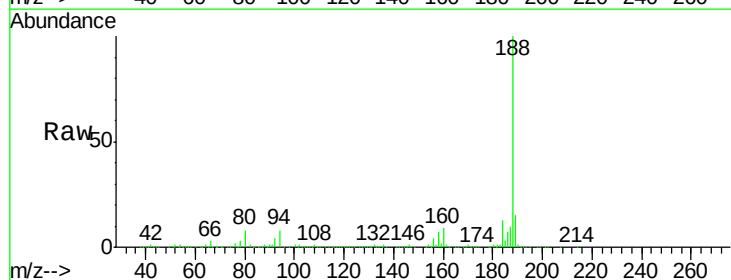
Instrument :
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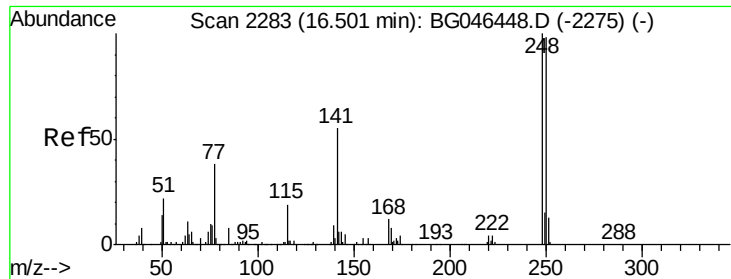
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	25.4	38.0#
89	1.9	45.9	68.9#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046497.D
 Acq: 1 Sep 2020 23:31

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	6.3	9.5
80	8.2	6.9	10.3

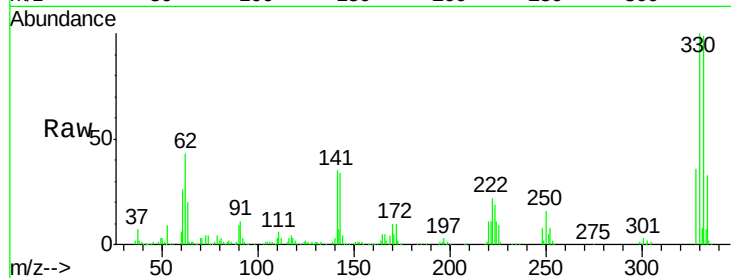




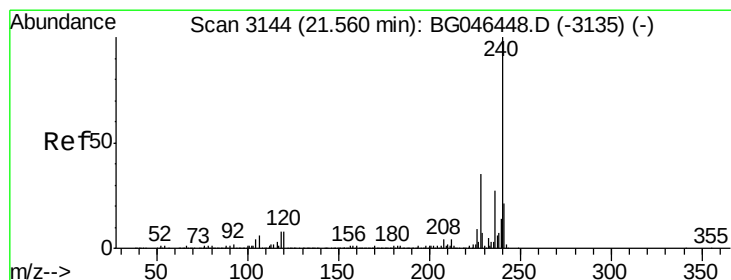
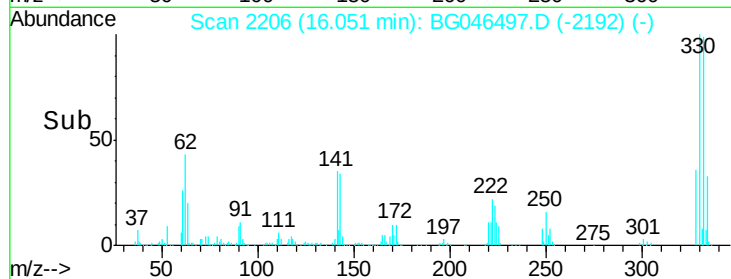
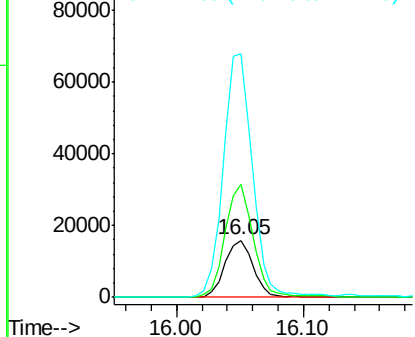
#67
4-Bromophenyl-phenylether
Concen: 4.494 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Instrument :
BNA_G
ClientSampleId :
11995

Tot Ion:248 Resp: 24891
Ion Ratio Lower Upper
248 100
250 197.5 78.6 118.0#
141 424.9 43.9 65.9#

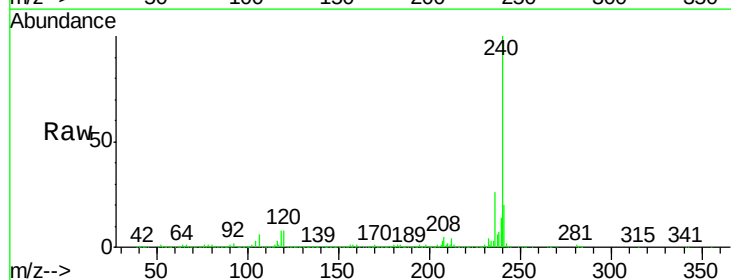


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

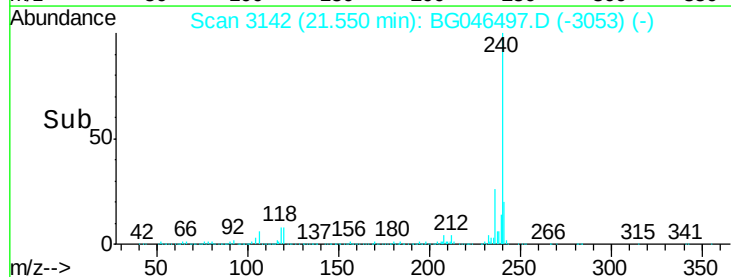
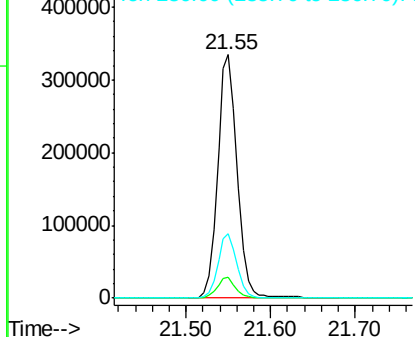


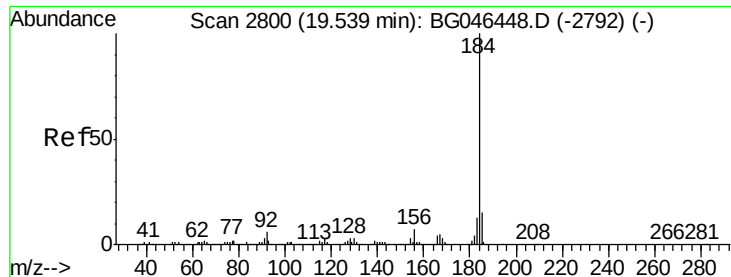
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Tgt Ion:240 Resp: 536914
Ion Ratio Lower Upper
240 100
120 8.3 6.6 10.0
236 26.2 21.4 32.2



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: 2.395 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.39 min

Lab File: BG046497.D

Acq: 1 Sep 2020 23:31

Instrument :

BNA_G

ClientSampleId :

11995

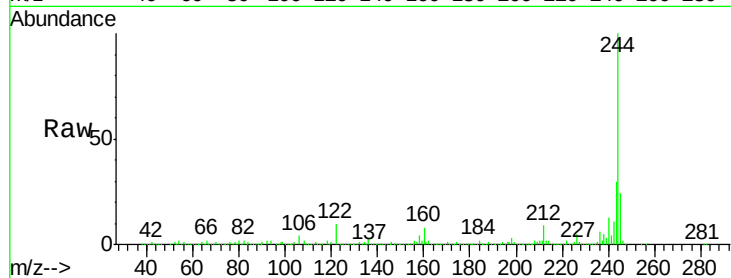
Tot Ion:184 Resp: 29885

Ion Ratio Lower Upper

184 100

185 19.4 11.8 17.8#

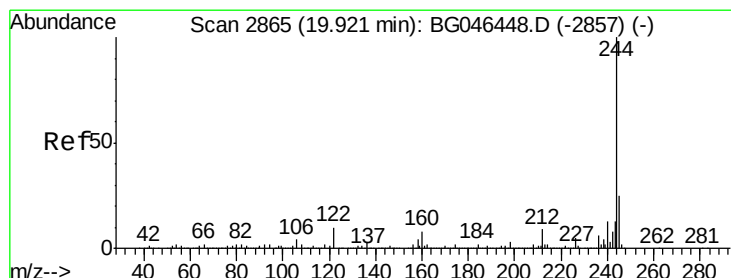
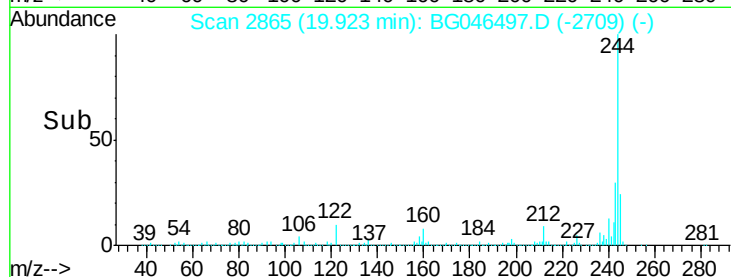
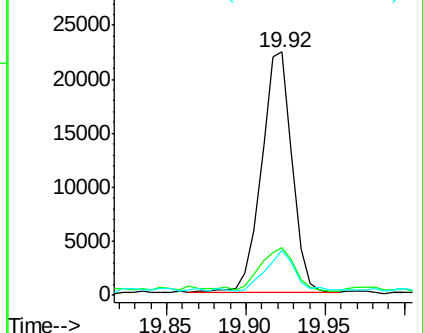
183 18.5 10.7 16.1#



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: 74.526 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046497.D

Acq: 1 Sep 2020 23:31

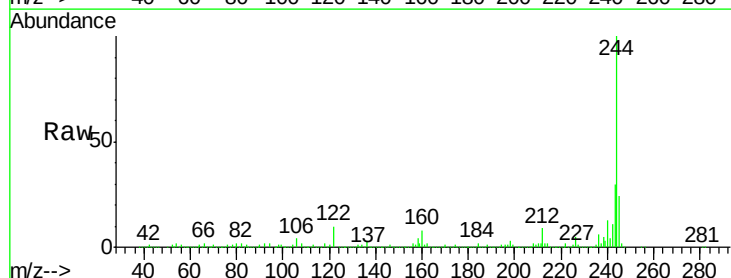
Tgt Ion:244 Resp: 1880211

Ion Ratio Lower Upper

244 100

212 9.0 6.9 10.3

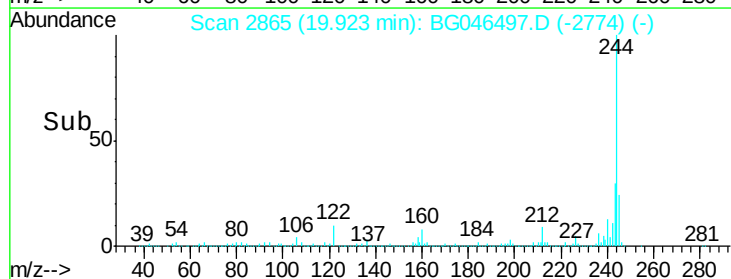
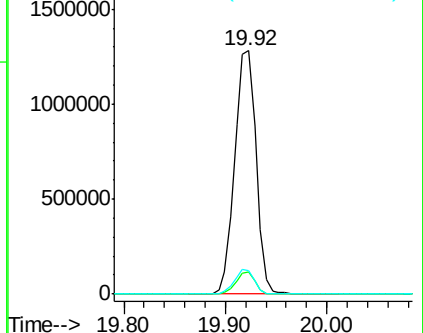
122 9.6 8.2 12.4

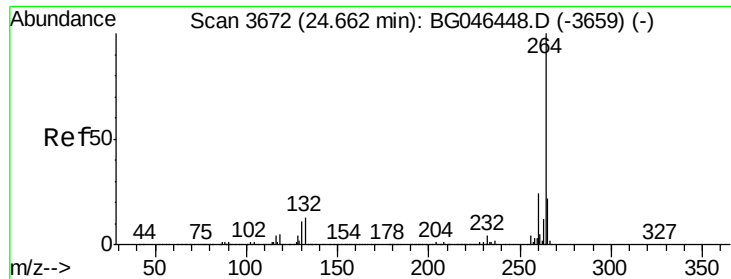


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

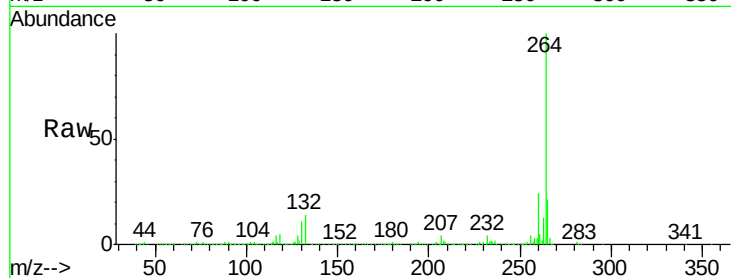




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.65 min Scan# 3670
Delta R.T. -0.00 min
Lab File: BG046497.D
Acq: 1 Sep 2020 23:31

Instrument :
BNA_G
ClientSampleId :
11995

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	21.2	17.9	26.9



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

