

Data Path : Z:\svoasrv\HPCHEM1\BNA G\Data\BG090220\
 Data File : BG046505.D
 Acq On : 2 Sep 2020 16:09
 Operator : CG/JU
 Sample : L3828-05
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW

Quant Time: Sep 02 16:44:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

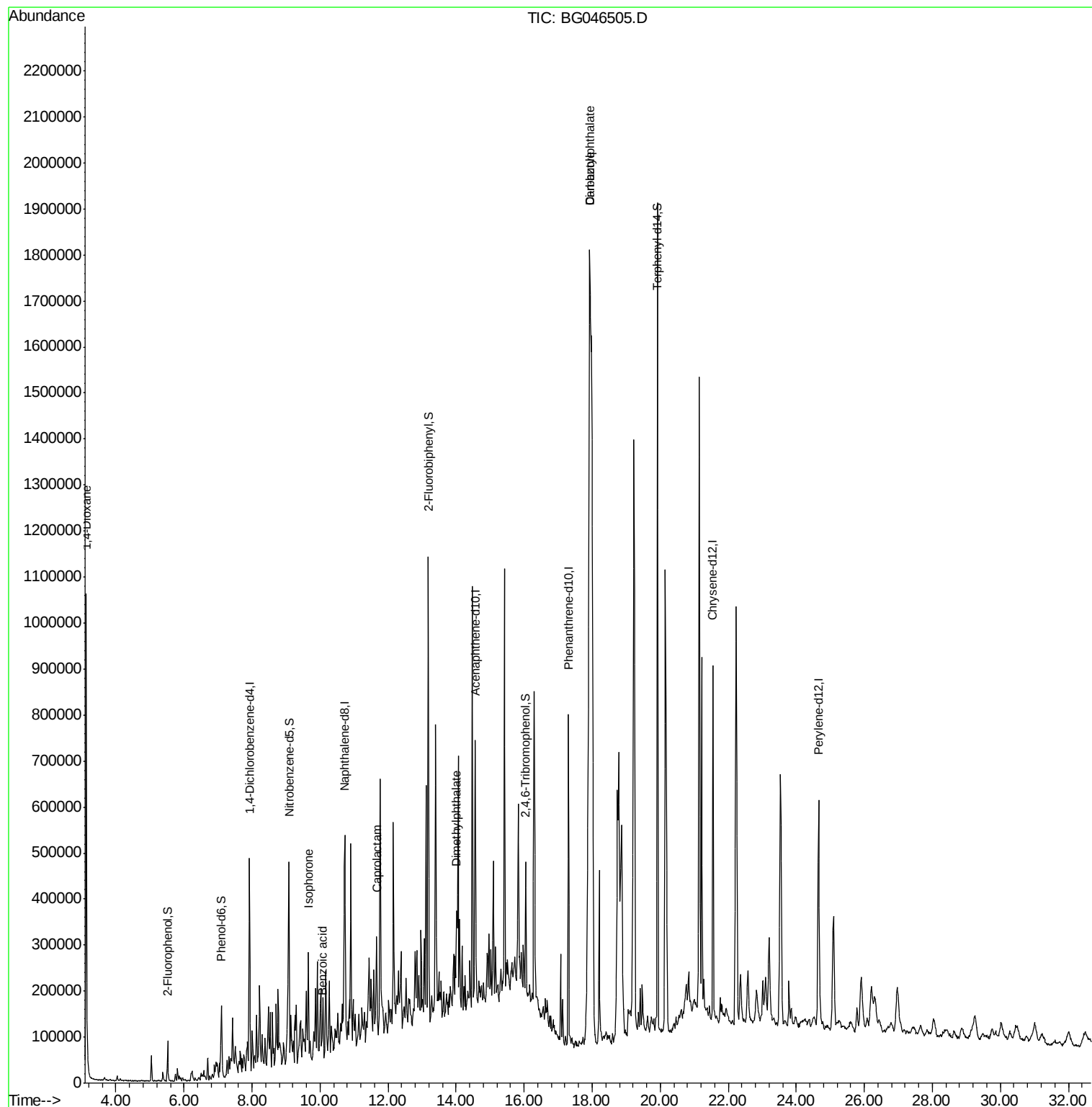
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	70341	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	271781	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	180414	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	459779	20.00	ng	0.00
76) Chrysene-d12	21.55	240	494129	20.00	ng	0.00
86) Perylene-d12	24.66	264	518343	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	41381	10.42	ng	0.00
7) Phenol-d6	7.10	99	51632	9.17	ng	0.00
23) Nitrobenzene-d5	9.09	82	253071	53.22	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	43353	17.74	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	541314	45.80	ng	0.00
79) Terphenyl-d14	19.92	244	787242	33.91	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.13	88	8368	5.065	ng	# 1
25) Isophorone	9.66	82	21725	2.492	ng	# 1
32) Benzoic acid	10.06	122	134	4.533	ng	# 53
35) Caprolactam	11.67	113	4731	2.785	ng	# 1
50) Dimethylphthalate	14.01	163	127016	9.100	ng	# 98
73) Carbazole	17.93	167	490897	22.612	ng	# 58
74) Di-n-butylphthalate	17.93	149	837864	33.564	ng	# 66

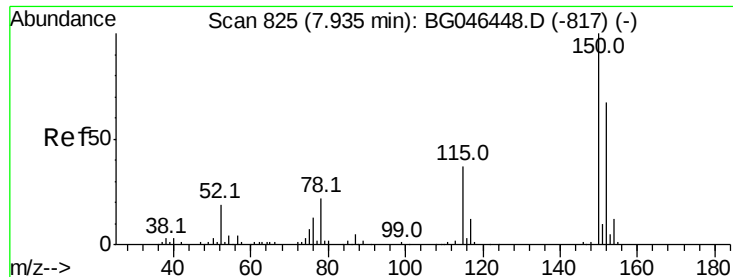
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.93 min Scan# 825

Delta R.T. -0.00 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

Instrument :

BNA_G

ClientSampleId :

GW

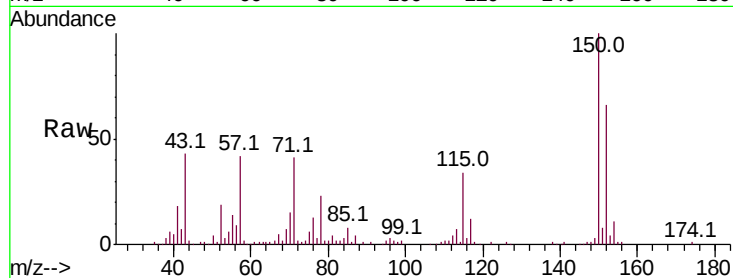
Tot Ion:152 Resp: 70341

Ion Ratio Lower Upper

152 100

150 152.4 119.5 179.3

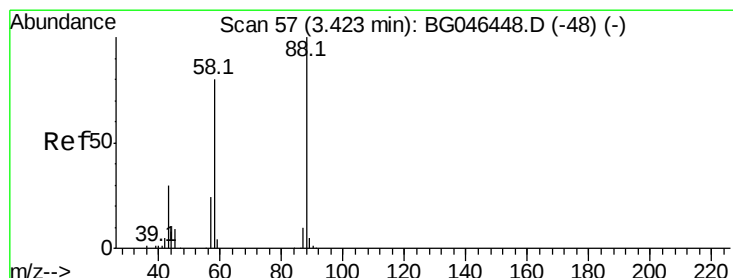
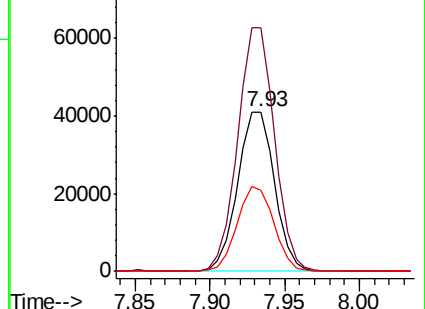
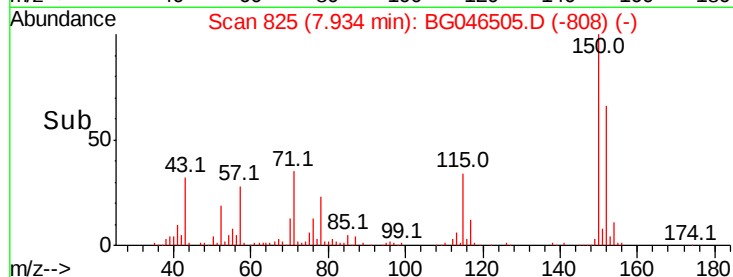
115 51.2 44.3 66.5



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



#2

1,4-Dioxane

Concen: 5.065 ng

RT: 3.13 min Scan# 7

Delta R.T. -0.29 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

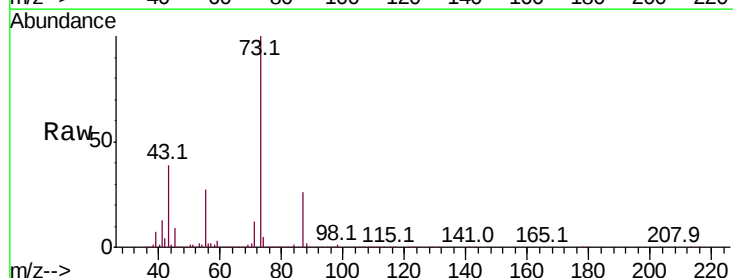
Tgt Ion: 88 Resp: 8368

Ion Ratio Lower Upper

88 100

58 36.1 61.4 92.2#

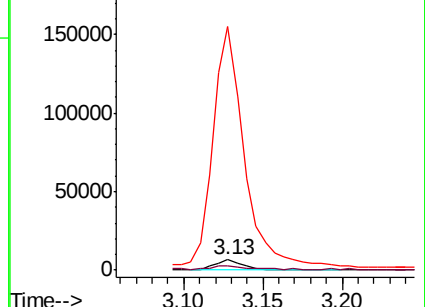
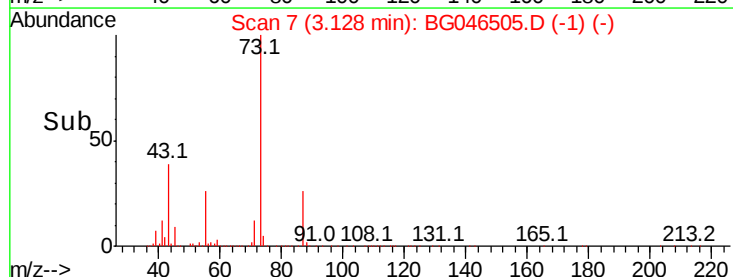
43 2504.3 21.6 32.4#

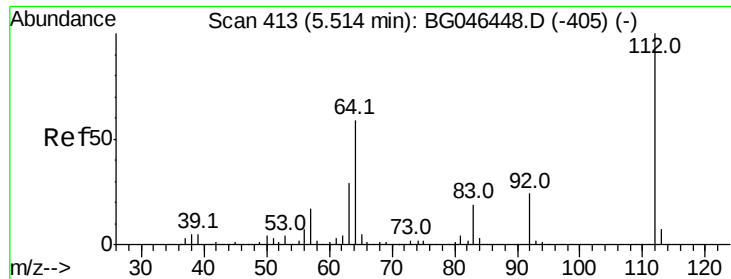


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 10.420 ng

RT: 5.52 min Scan# 414

Delta R.T. 0.01 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

Instrument :

BNA_G

ClientSampleId :

GW

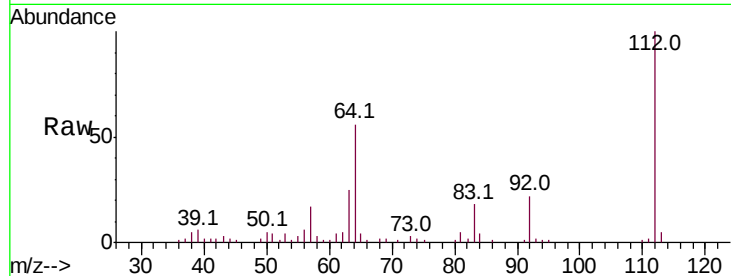
Tot Ion:112 Resp: 41381

Ion Ratio Lower Upper

112 100

64 56.0 47.0 70.6

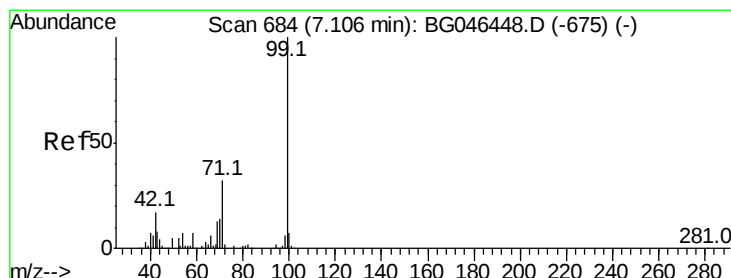
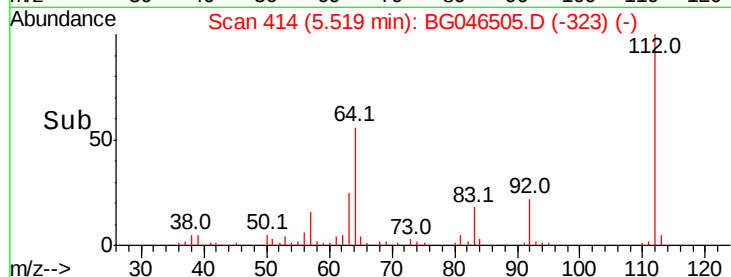
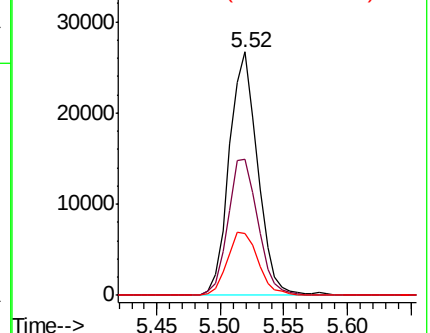
63 25.2 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 9.171 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.01 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

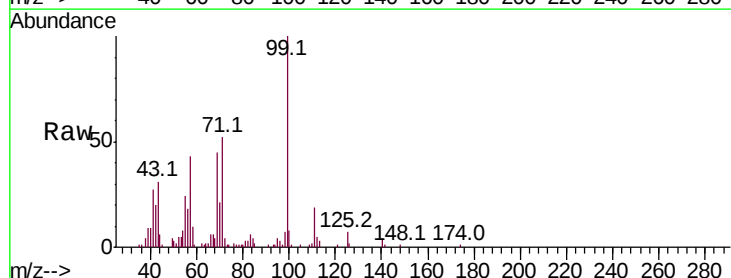
Tgt Ion: 99 Resp: 51632

Ion Ratio Lower Upper

99 100

42 19.7 13.3 19.9

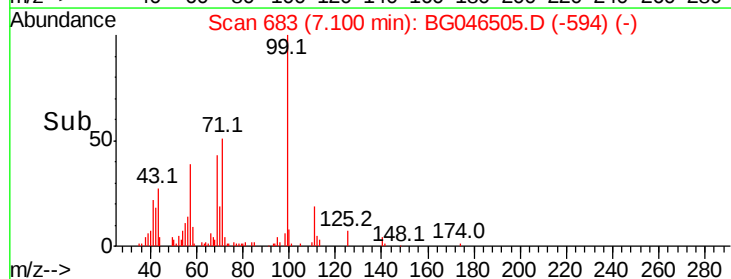
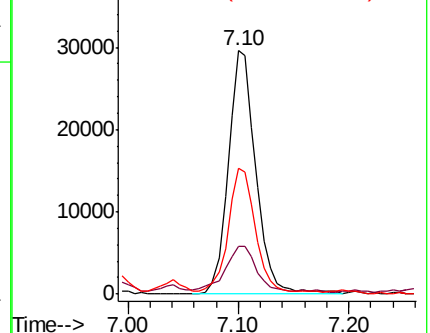
71 51.9 25.3 37.9#

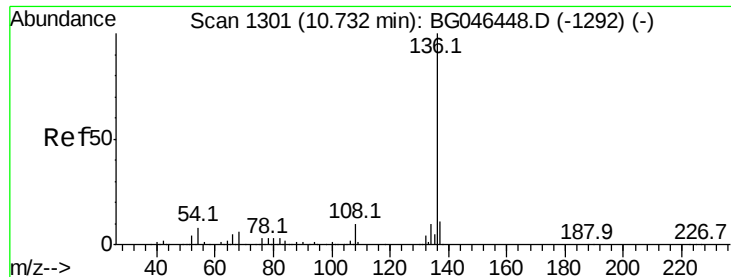


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.72 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

Instrument :

BNA_G

ClientSampleId :

GW

Tot Ion:136 Resp: 271781

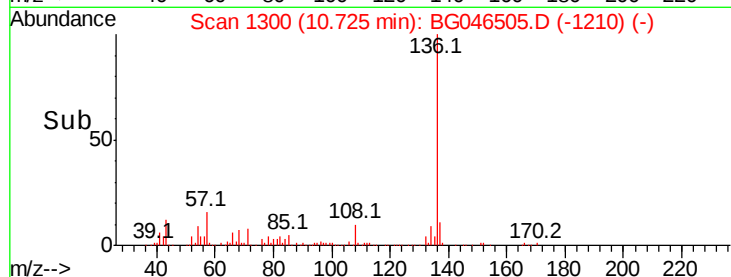
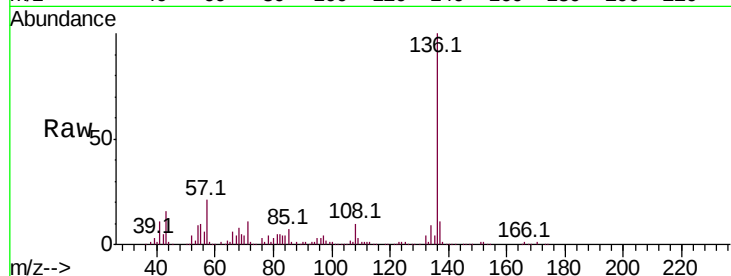
Ion Ratio Lower Upper

136 100

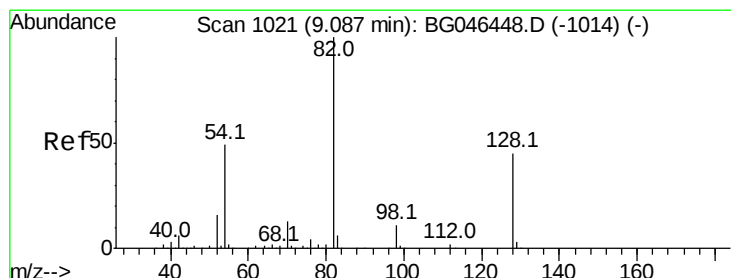
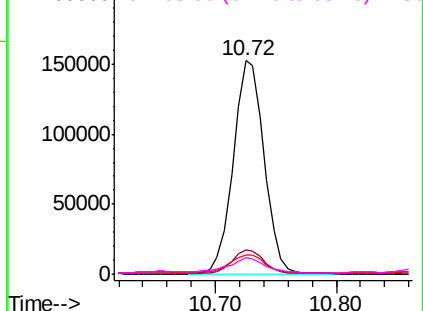
137 11.2 8.8 13.2

54 8.9 6.1 9.1

68 7.6 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: 53.220 ng

RT: 9.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

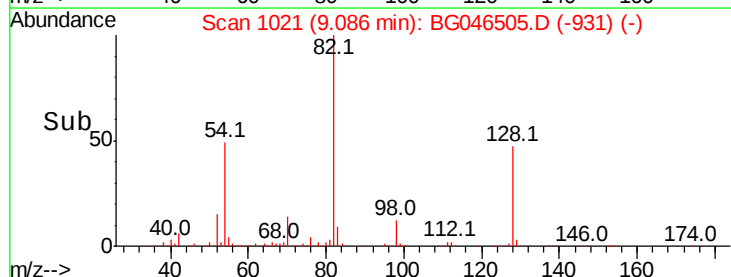
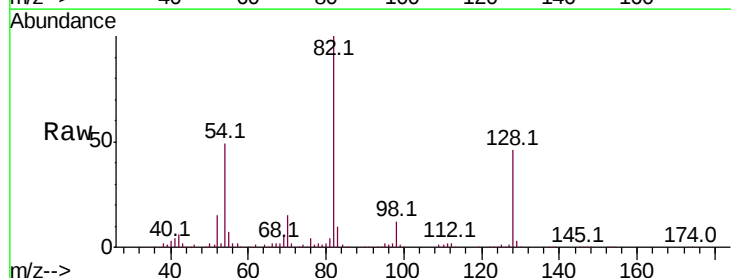
Tgt Ion: 82 Resp: 253071

Ion Ratio Lower Upper

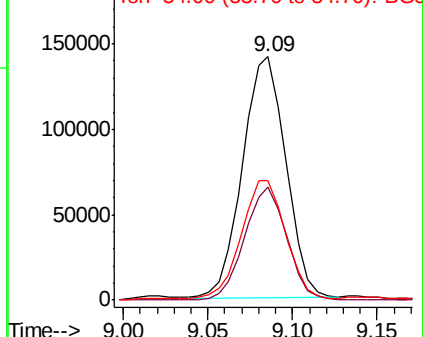
82 100

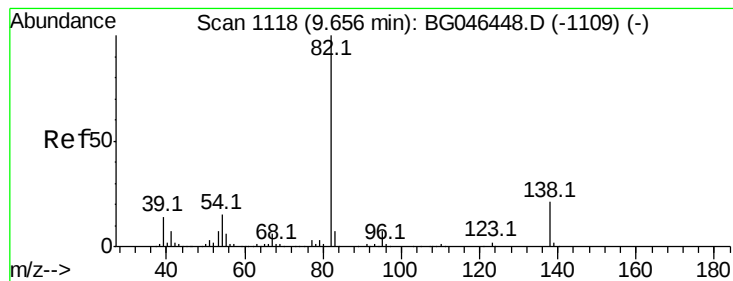
128 46.4 35.7 53.5

54 48.9 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





#25

Isophorone

Concen: 2.492 ng

RT: 9.66 min Scan# 1118

Delta R.T. 0.01 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

Instrument :

BNA_G

ClientSampled :

GW

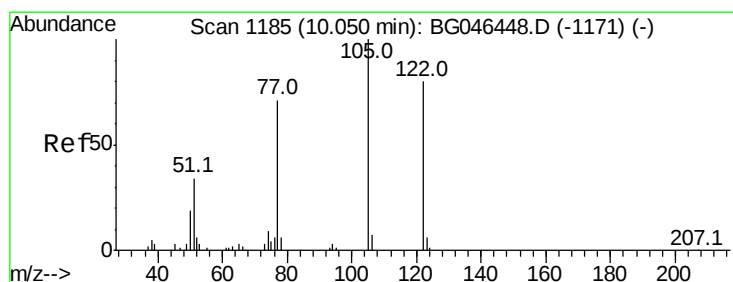
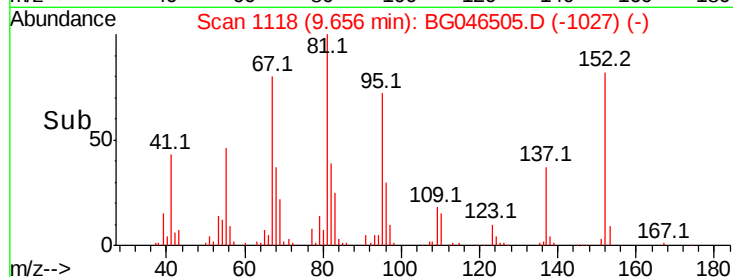
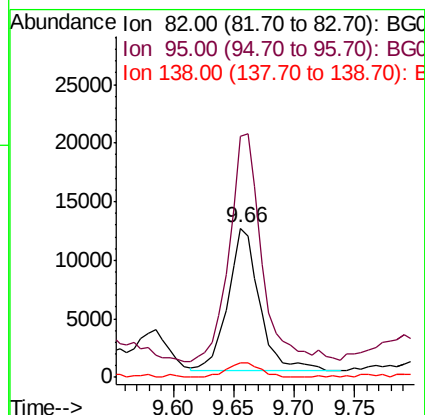
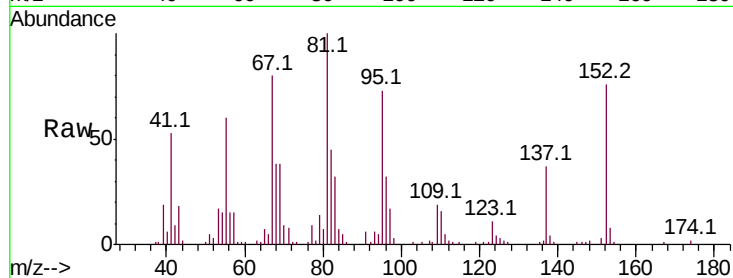
Tot Ion: 82 Resp: 21725

Ion Ratio Lower Upper

82 100

95 161.9 5.8 8.6#

138 9.4 16.4 24.6#



#32

Benzoic acid

Concen: 4.533 ng

RT: 10.06 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

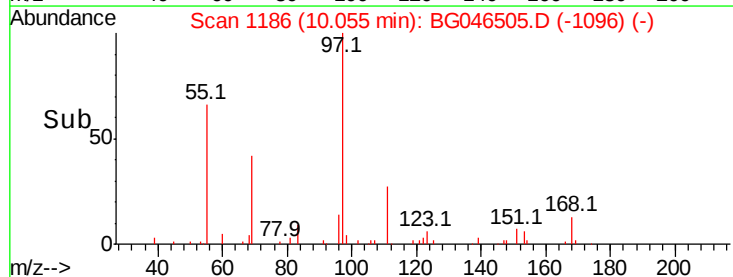
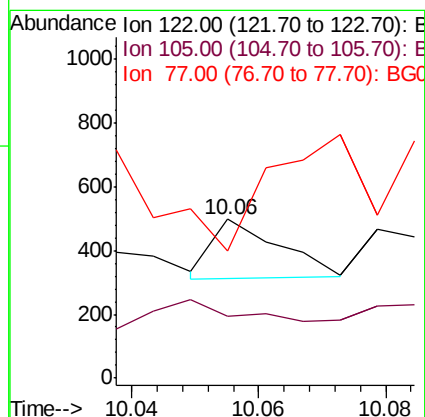
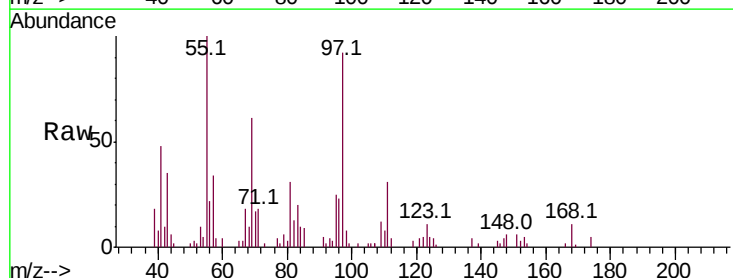
Tgt Ion: 122 Resp: 134

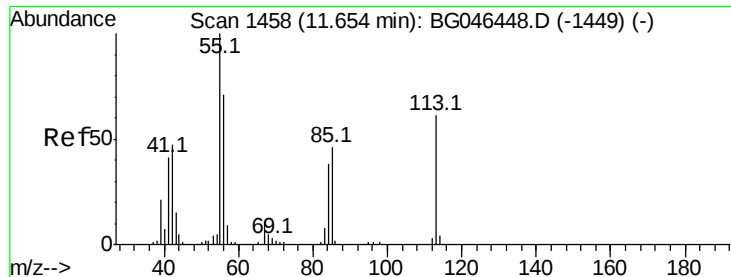
Ion Ratio Lower Upper

122 100

105 38.8 102.5 142.5#

77 80.3 68.2 108.2





#35

Caprolactam

Concen: 2.785 ng

RT: 11.67 min Scan# 1460

Delta R.T. 0.01 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

Instrument :

BNA_G

ClientSampleId :

GW

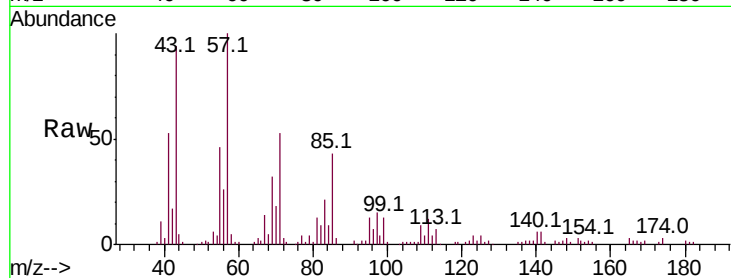
Tot Ion:113 Resp: 4731

Ion Ratio Lower Upper

113 100

55 706.1 144.2 184.2#

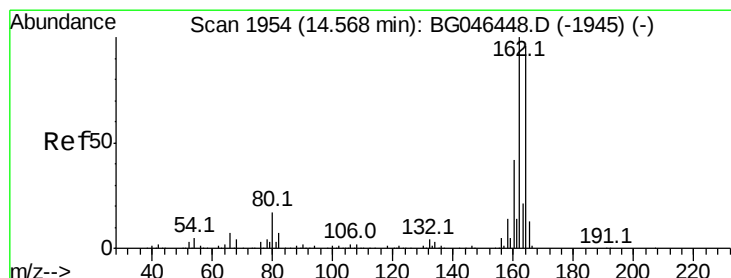
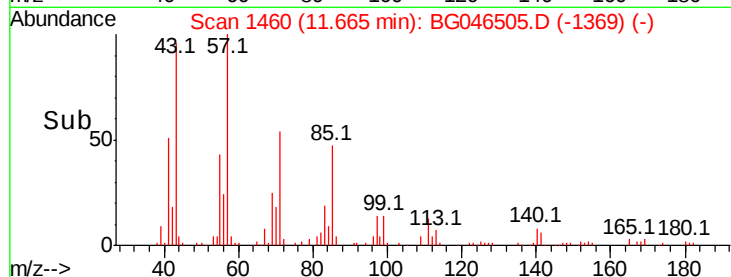
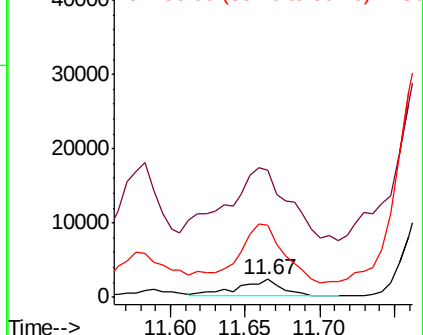
56 401.4 97.0 137.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BG0

Ion 56.00 (55.70 to 56.70): BG0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BG046505.D

Acq: 2 Sep 2020 16:09

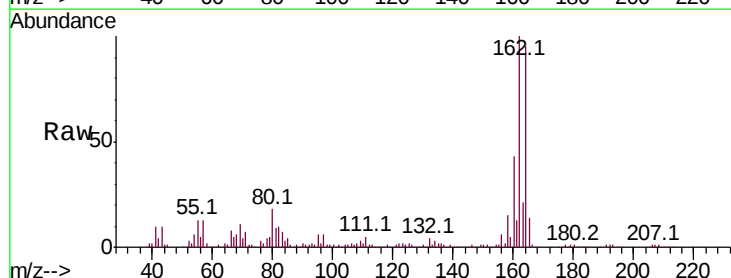
Tgt Ion:164 Resp: 180414

Ion Ratio Lower Upper

164 100

162 105.2 83.3 124.9

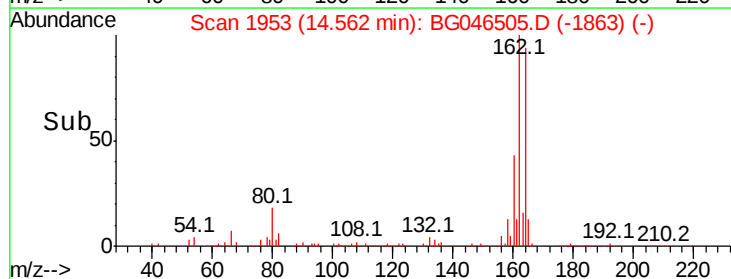
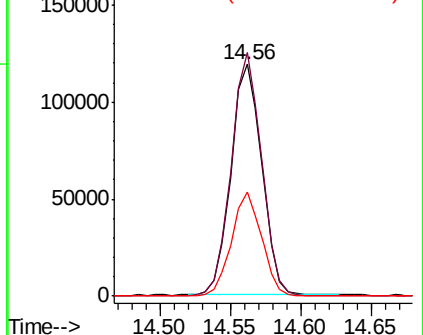
160 44.7 35.0 52.6

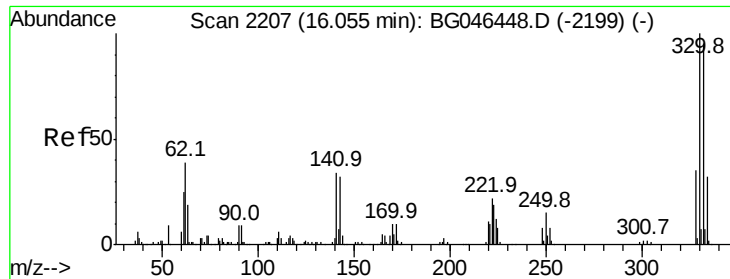


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

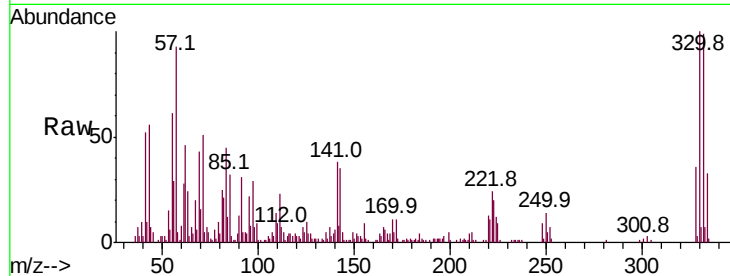




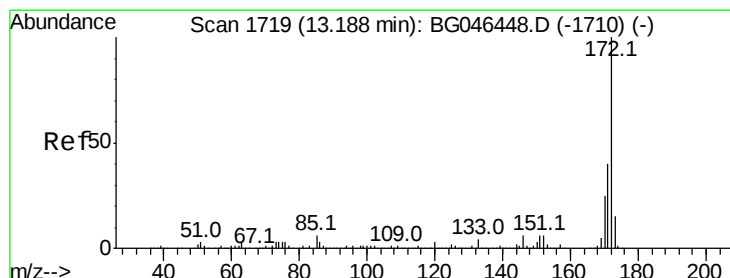
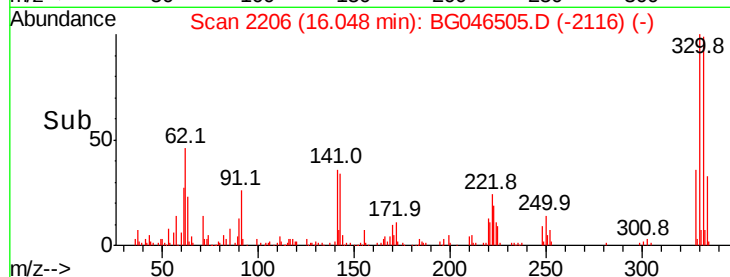
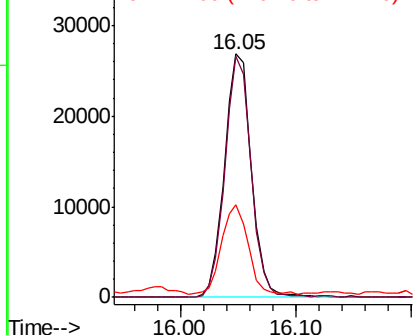
#42
 2,4,6-Tribromophenol
 Concen: 17.735 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BG046505.D
 Acq: 2 Sep 2020 16:09

Instrument :
 BNA_G
 ClientSampleId :
 GW

Tot Ion:330 Resp: 43353
 Ion Ratio Lower Upper
 330 100
 332 95.8 76.1 114.1
 141 35.9 26.1 39.1

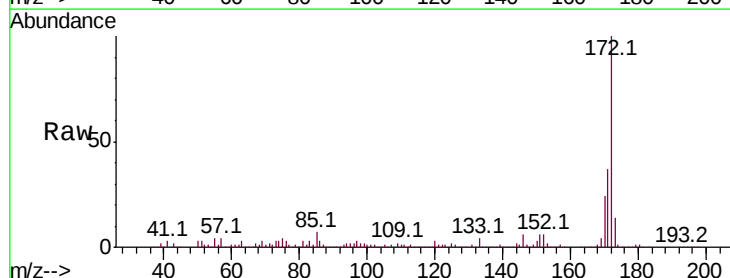


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

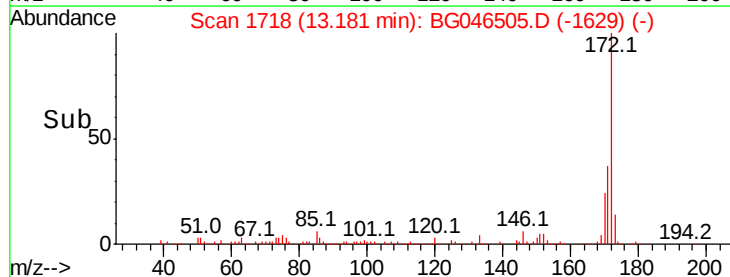
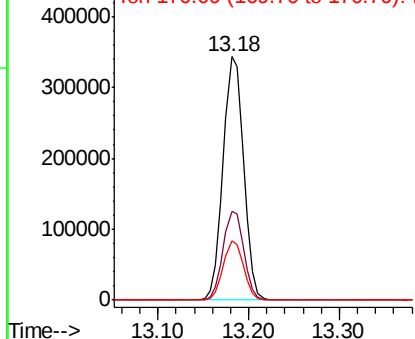


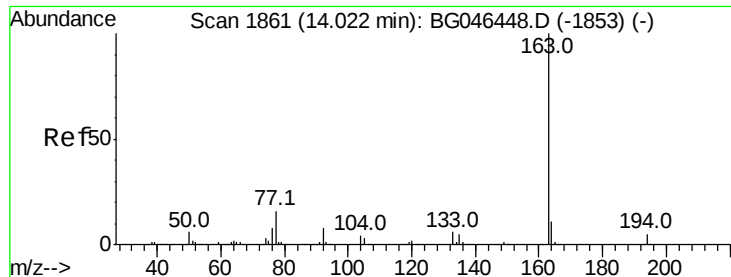
#45
 2-Fluorobiphenyl
 Concen: 45.803 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.01 min
 Lab File: BG046505.D
 Acq: 2 Sep 2020 16:09

Tgt Ion:172 Resp: 541314
 Ion Ratio Lower Upper
 172 100
 171 36.5 31.8 47.6
 170 24.3 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

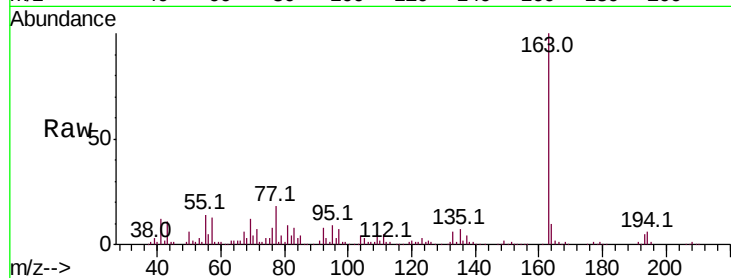




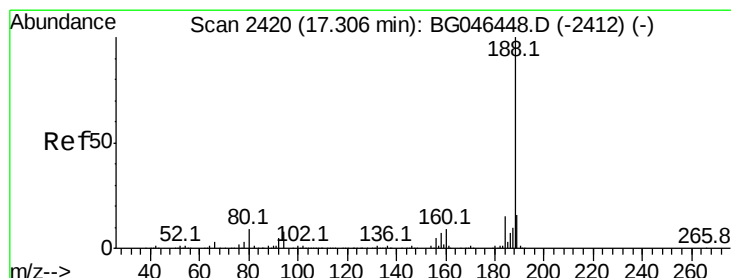
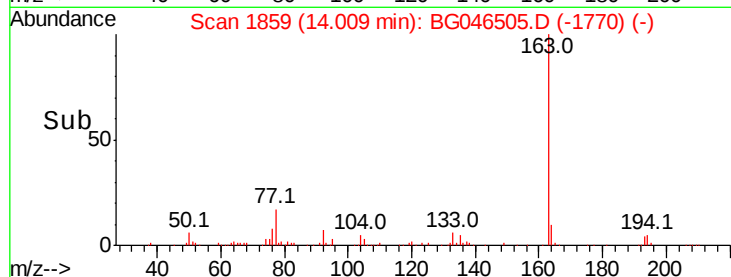
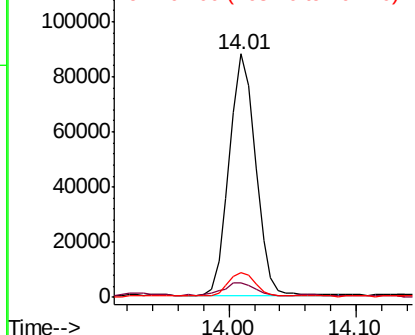
#50
Dimethylphthalate
Concen: 9.100 ng
RT: 14.01 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BG046505.D
Acq: 2 Sep 2020 16:09

Instrument :
BNA_G
ClientSampleId :
GW

Tot Ion:163 Resp: 127016
Ion Ratio Lower Upper
163 100
194 5.7 3.7 5.5#
164 10.1 8.6 12.8

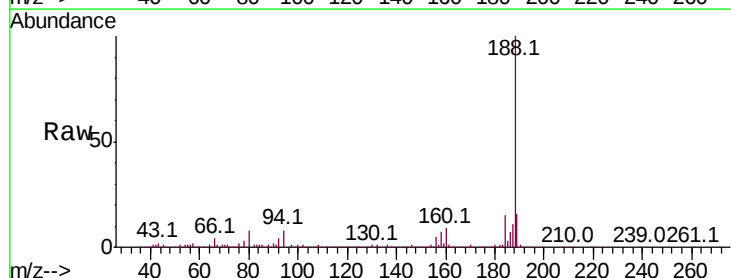


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

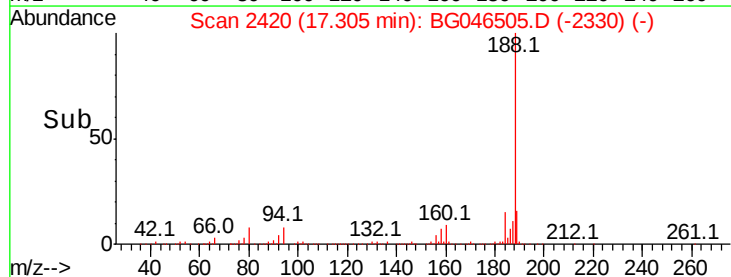
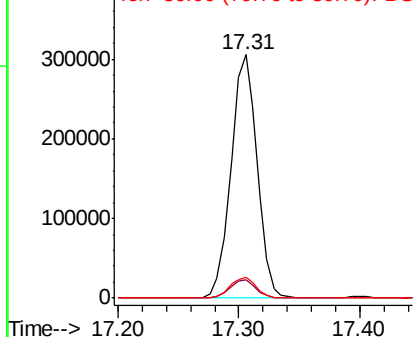


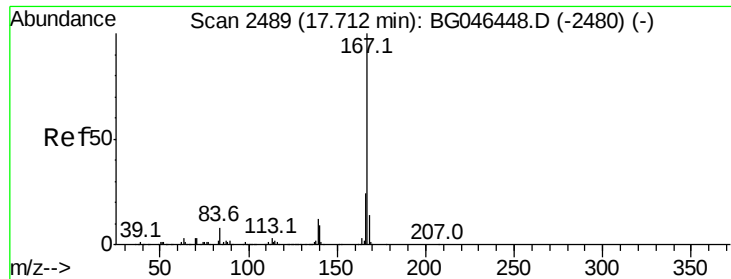
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.31 min Scan# 2420
Delta R.T. -0.00 min
Lab File: BG046505.D
Acq: 2 Sep 2020 16:09

Tgt Ion:188 Resp: 459779
Ion Ratio Lower Upper
188 100
94 7.7 6.3 9.5
80 8.4 6.9 10.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

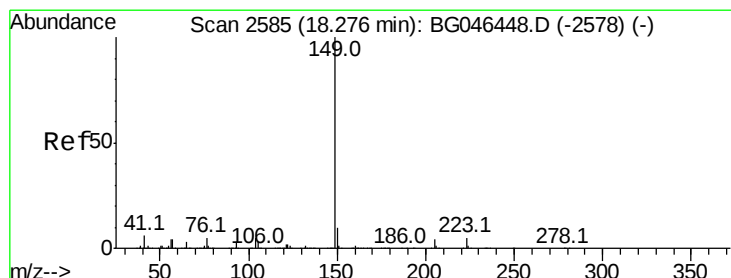
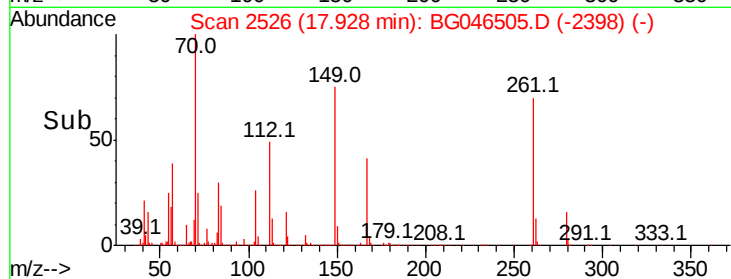
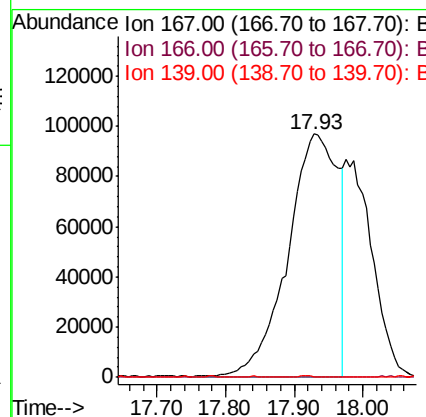
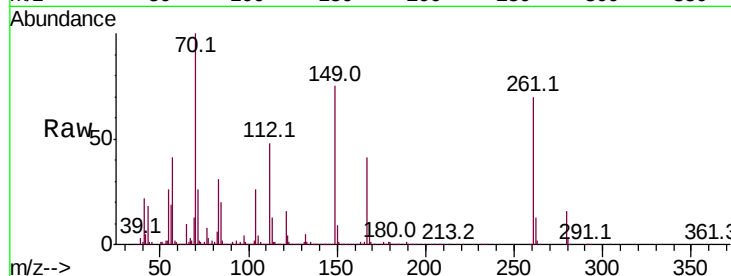




#73
 Carbazole
 Concen: 22.612 ng
 RT: 17.93 min Scan# 2526
 Delta R.T. 0.22 min
 Lab File: BG046505.D
 Acq: 2 Sep 2020 16:09

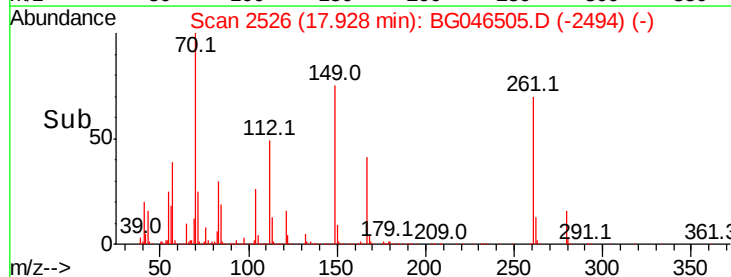
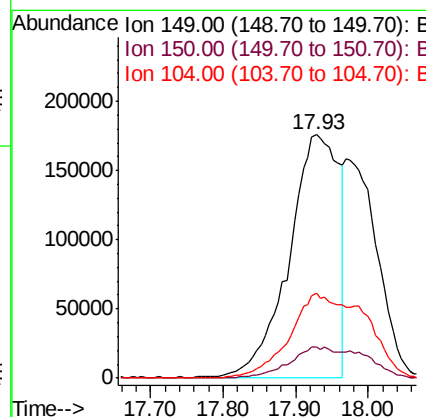
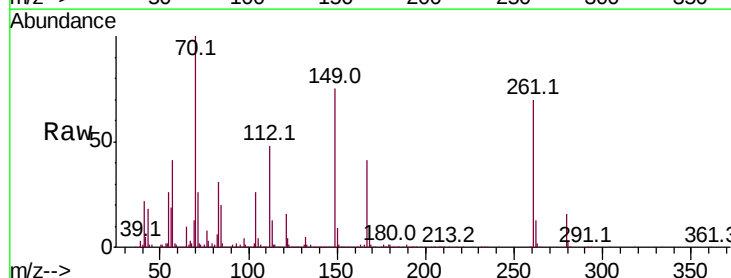
Instrument :
 BNA_G
 ClientSampleId :
 GW

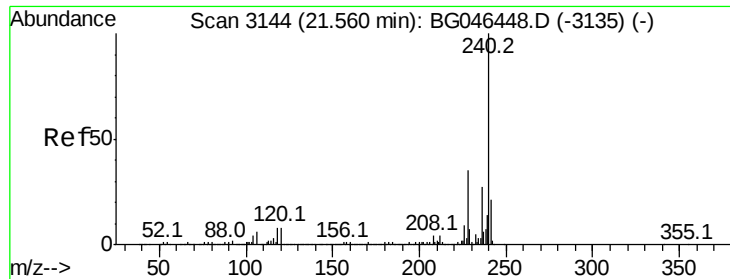
Tot Ion:167 Resp: 490897
 Ion Ratio Lower Upper
 167 100
 166 0.0 19.3 28.9#
 139 0.4 9.7 14.5#



#74
 Di-n-butylphthalate
 Concen: 33.564 ng
 RT: 17.93 min Scan# 2526
 Delta R.T. -0.34 min
 Lab File: BG046505.D
 Acq: 2 Sep 2020 16:09

Tgt Ion:149 Resp: 837864
 Ion Ratio Lower Upper
 149 100
 150 12.6 8.1 12.1#
 104 34.7 4.0 6.0#

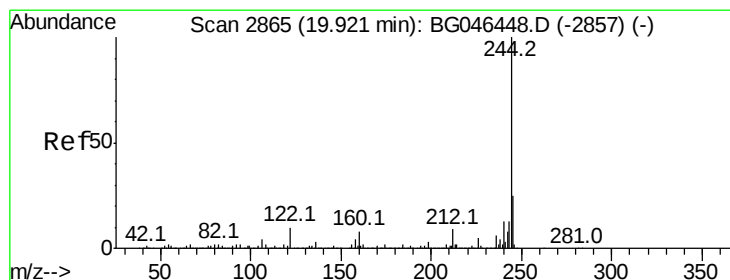
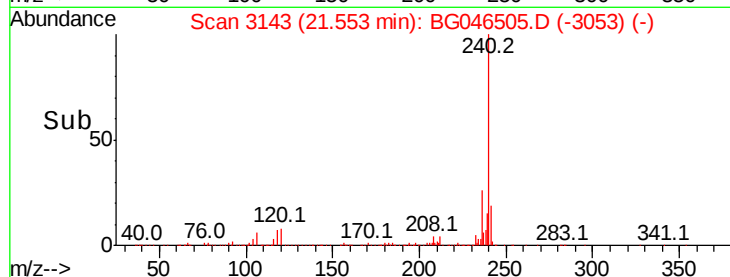
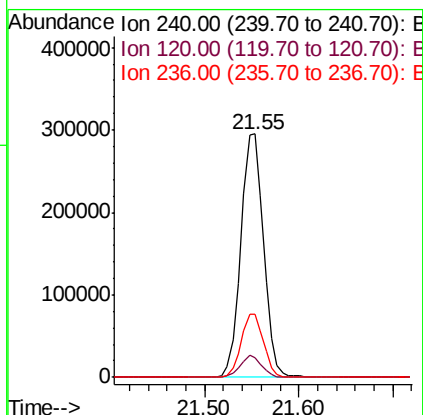
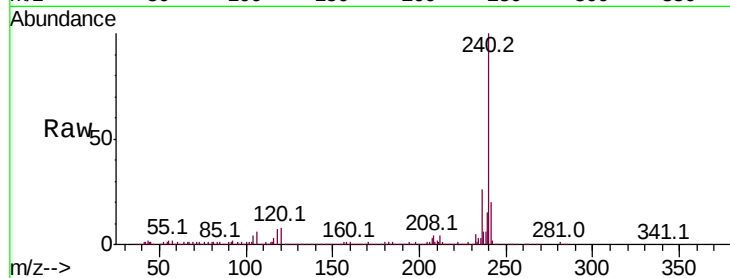




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.00 min
Lab File: BG046505.D
Acq: 2 Sep 2020 16:09

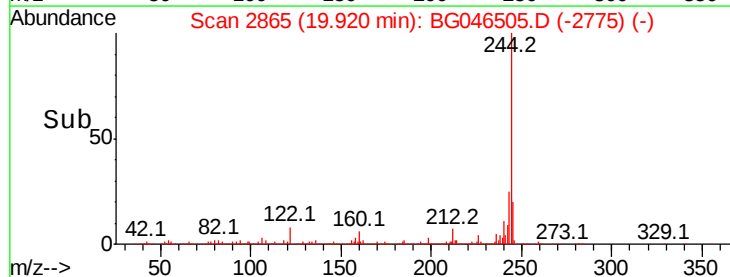
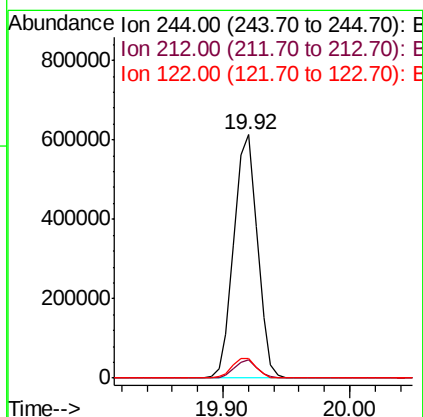
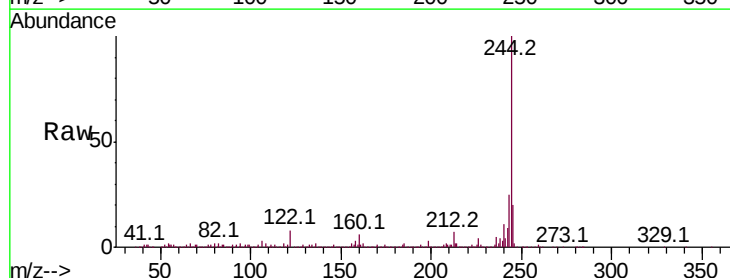
Instrument :
BNA_G
ClientSampleId :
GW

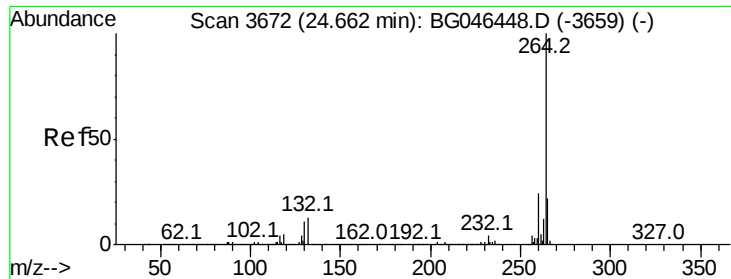
Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	6.6	10.0
236	25.9	21.4	32.2



#79
Terphenyl-d14
Concen: 33.906 ng
RT: 19.92 min Scan# 2865
Delta R.T. -0.00 min
Lab File: BG046505.D
Acq: 2 Sep 2020 16:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.9	10.3
122	8.0	8.2	12.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.66 min Scan# 3671
Delta R.T. -0.00 min
Lab File: BG046505.D
Acq: 2 Sep 2020 16:09

Instrument :
BNA_G
ClientSampleId :
GW

Tot Ion: 264 Resp: 518343

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.0	17.9	26.9

