

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\
 Data File : BG046491.D
 Acq On : 1 Sep 2020 19:28
 Operator : CG/JU
 Sample : L3506-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-083120

Quant Time: Sep 02 00:28:20 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

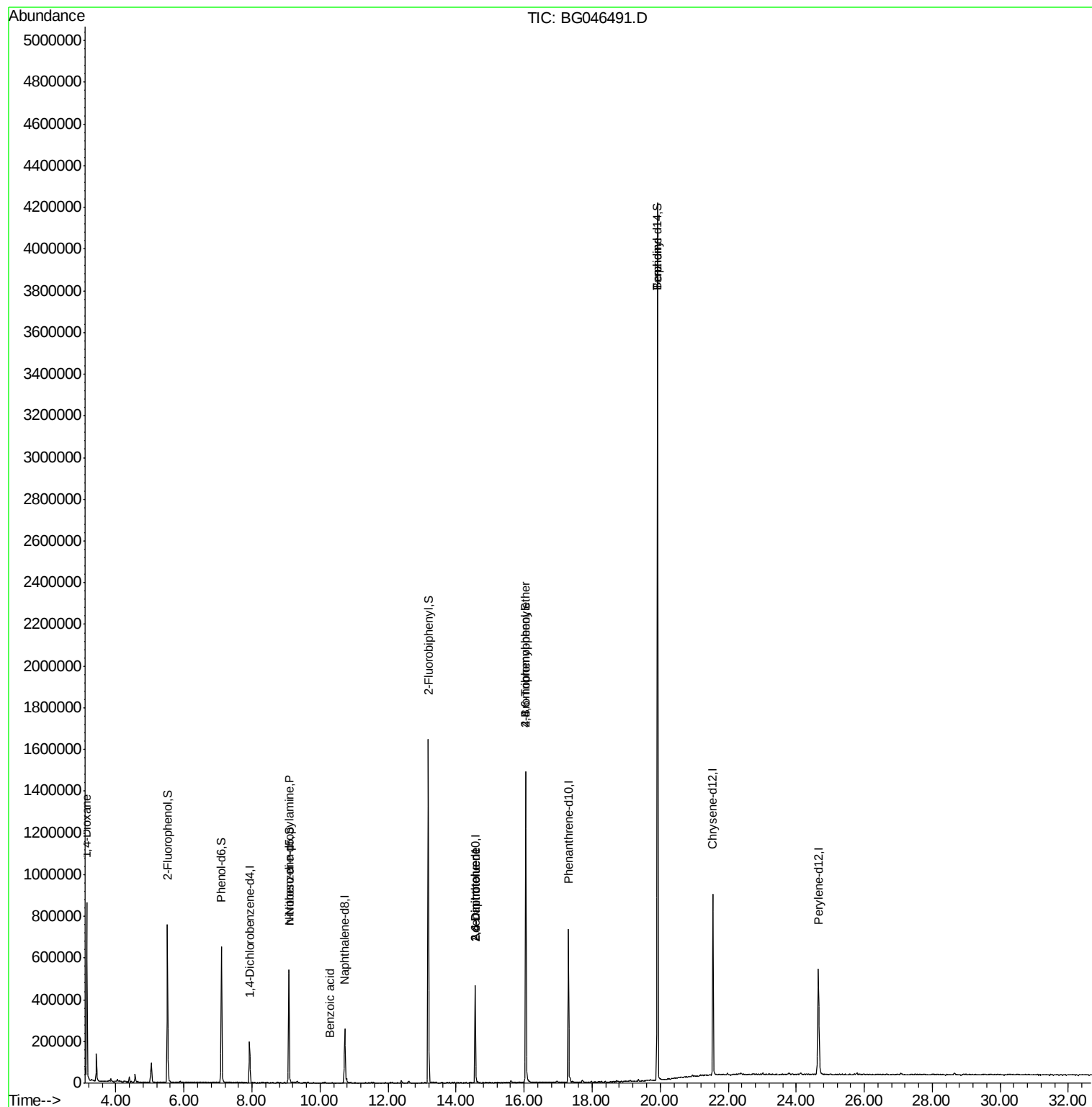
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	61823	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	238985	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	172260	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	495026	20.00	ng	0.00
76) Chrysene-d12	21.55	240	551797	20.00	ng	0.00
86) Perylene-d12	24.65	264	558091	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	358117	102.60	ng	0.00
7) Phenol-d6	7.10	99	420959	85.07	ng	0.00
23) Nitrobenzene-d5	9.09	82	349265	83.53	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	307171	131.61	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	910354	80.68	ng	0.00
79) Terphenyl-d14	19.92	244	1868407	72.06	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.15	88	7493	5.160	ng	# 1
19) n-Nitroso-di-n-propylamine	9.09	70	44293	14.965	ng	# 80
32) Benzoic acid	10.29	122	58	4.500	ng	# 1
51) 2,6-Dinitrotoluene	14.56	165	22469	7.649	ng	# 34
57) 2,4-Dinitrotoluene	14.56	165	22469	5.364	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	23731	4.109	ng	# 1
77) Benzidine	19.92	184	29347	2.289	ng	95

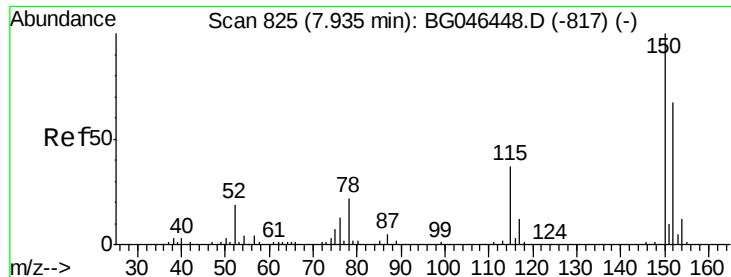
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090120\
Data File : BG046491.D
Acq On : 1 Sep 2020 19:28
Operator : CG/JU
Sample : L3506-15
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
OR-02-083120

Quant Time: Sep 02 00:28:20 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



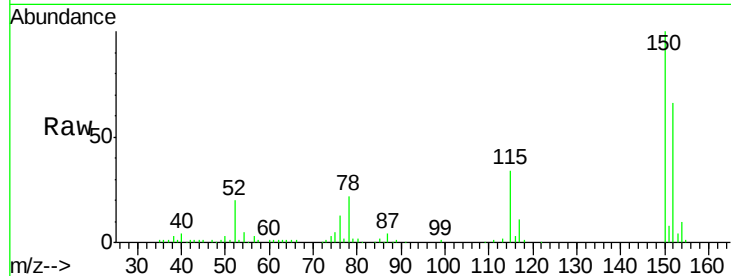


#1

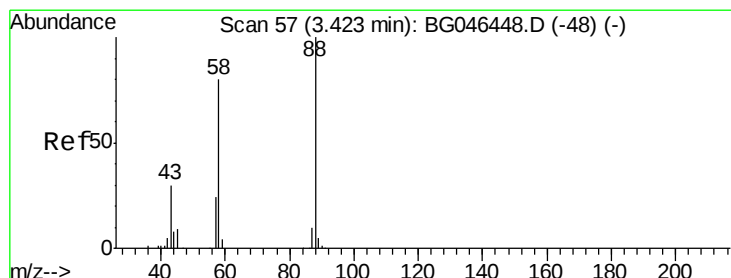
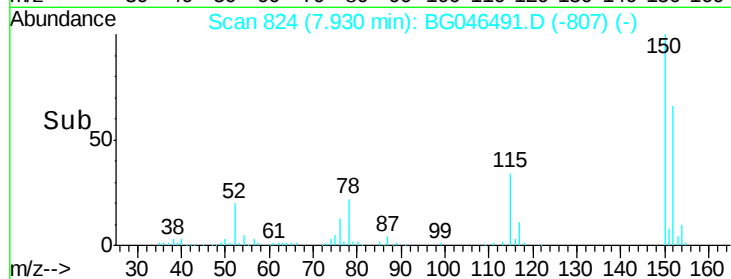
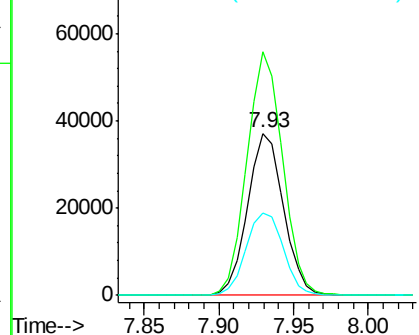
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046491.D
Acq: 1 Sep 2020 19:28

Instrument :
BNA_G
ClientSampleId :
OR-02-083120

Tot Ion:152 Resp: 61823
Ion Ratio Lower Upper
152 100
150 150.5 119.5 179.3
115 50.9 44.3 66.5



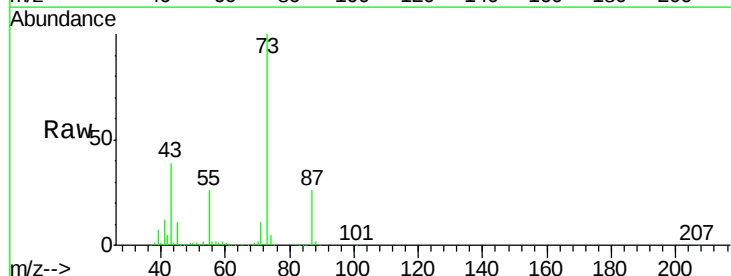
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



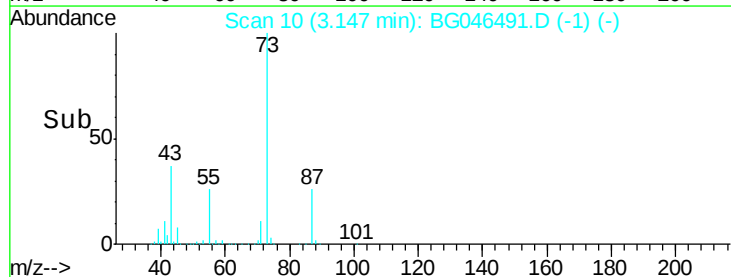
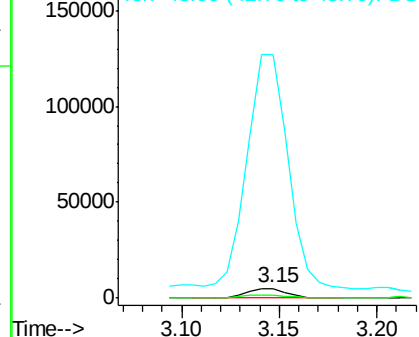
#2

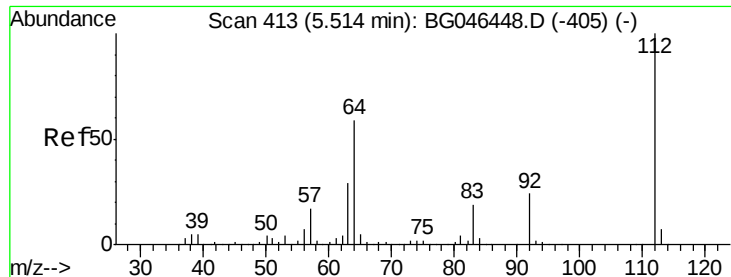
1,4-Dioxane
Concen: 5.160 ng
RT: 3.15 min Scan# 10
Delta R.T. -0.27 min
Lab File: BG046491.D
Acq: 1 Sep 2020 19:28

Tgt Ion: 88 Resp: 7493
Ion Ratio Lower Upper
88 100
58 28.2 61.4 92.2#
43 2381.2 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: 102.598 ng

RT: 5.51 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046491.D

Acq: 1 Sep 2020 19:28

Instrument :

BNA_G

ClientSampleId :

OR-02-083120

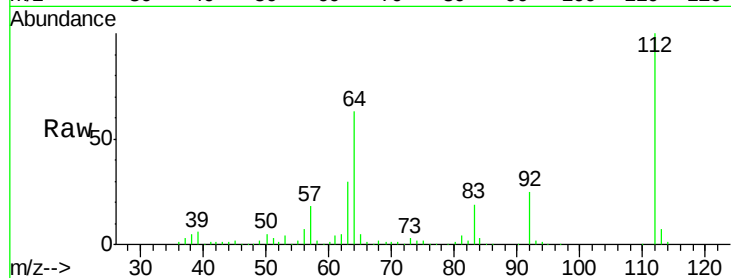
Tot Ion:112 Resp: 358117

Ion Ratio Lower Upper

112 100

64 62.6 47.0 70.6

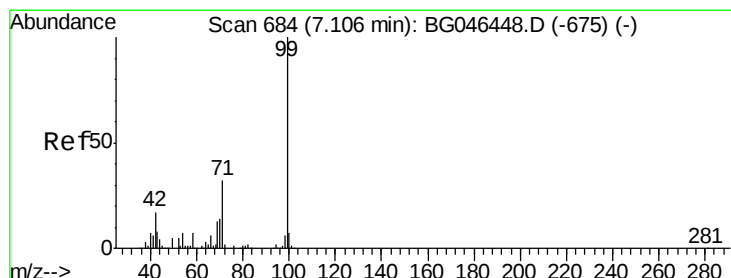
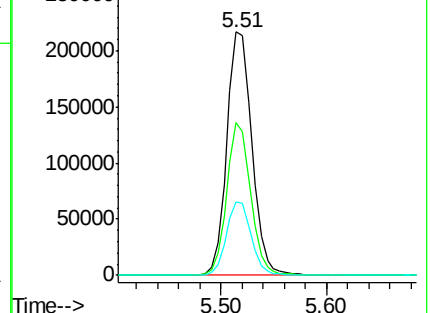
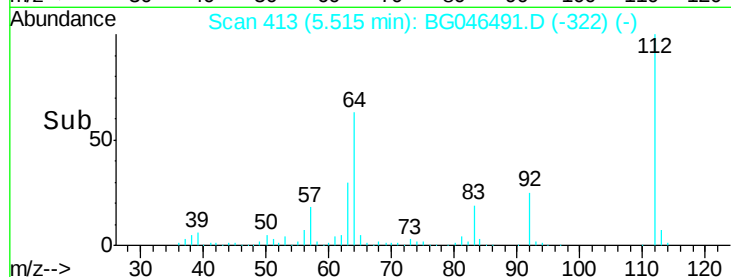
63 30.3 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 85.074 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046491.D

Acq: 1 Sep 2020 19:28

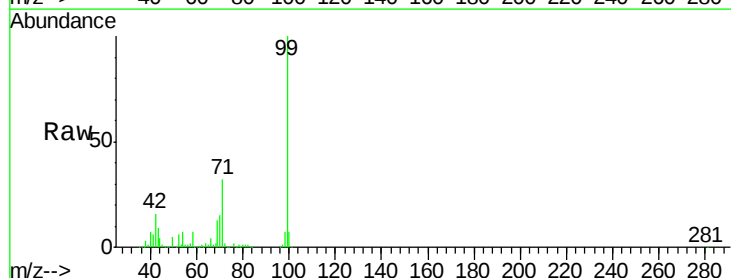
Tgt Ion: 99 Resp: 420959

Ion Ratio Lower Upper

99 100

42 16.4 13.3 19.9

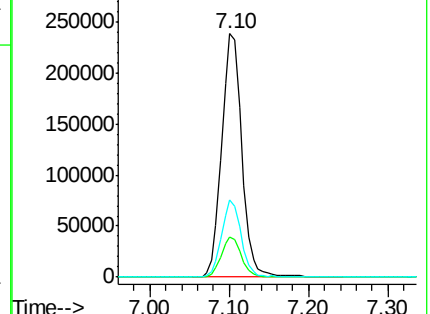
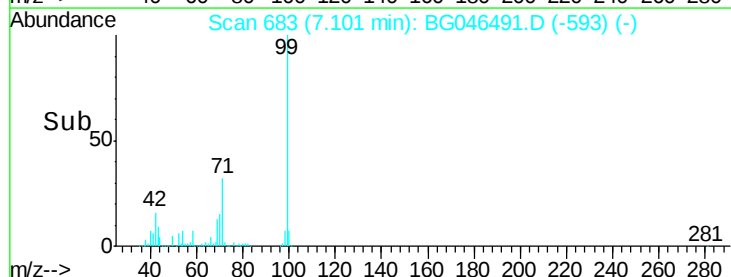
71 31.5 25.3 37.9

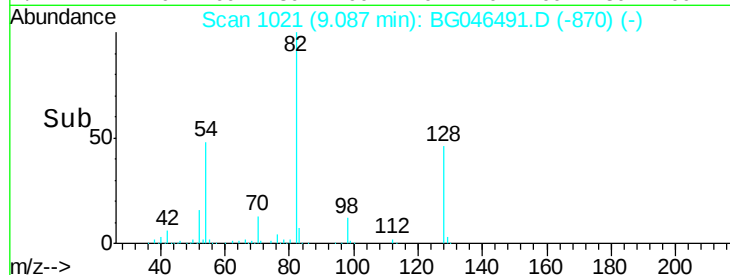
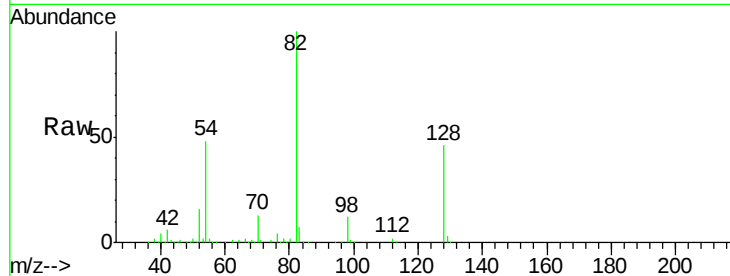
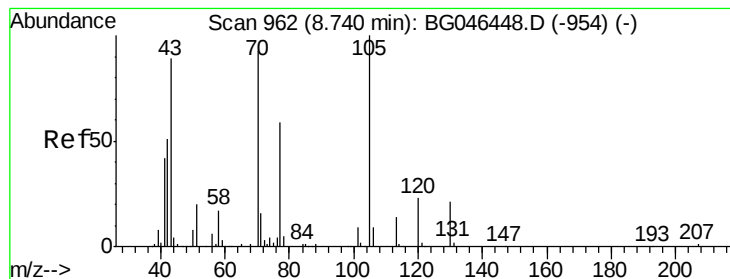


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 14.965 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG046491.D

Acq: 1 Sep 2020 19:28

Instrument :

BNA_G

ClientSampleId :

OR-02-083120

Tot Ion: 70 Resp: 44293

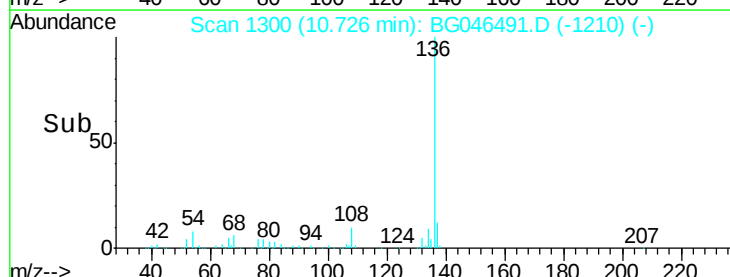
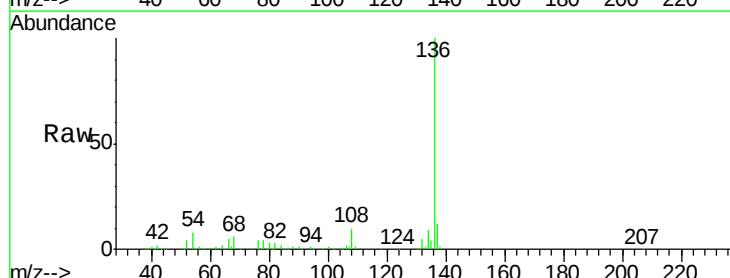
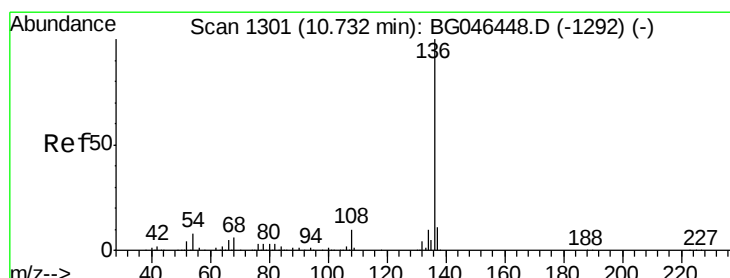
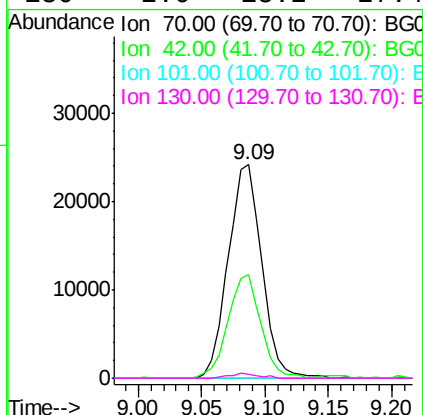
Ion Ratio Lower Upper

70 100

42 48.5 44.2 66.2

101 0.0 7.8 11.8#

130 2.0 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: BG046491.D

Acq: 1 Sep 2020 19:28

Tgt Ion:136 Resp: 238985

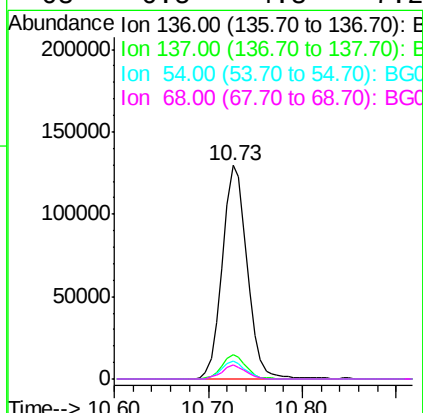
Ion Ratio Lower Upper

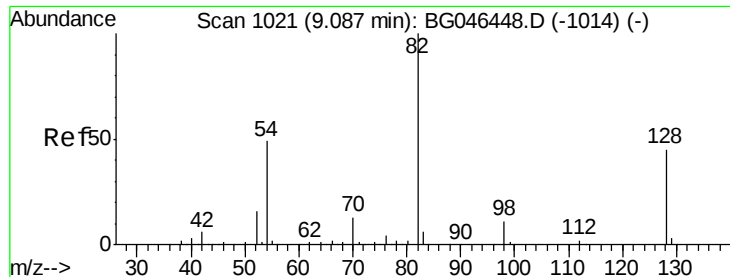
136 100

137 11.5 8.8 13.2

54 8.5 6.1 9.1

68 6.5 4.8 7.2

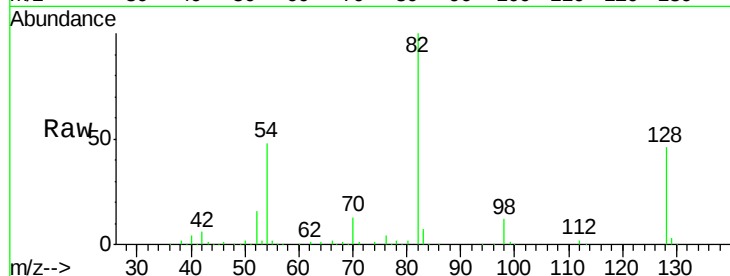




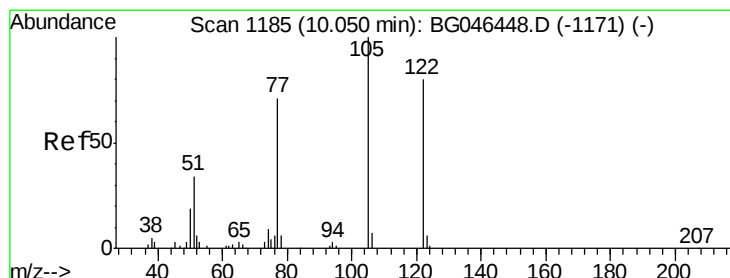
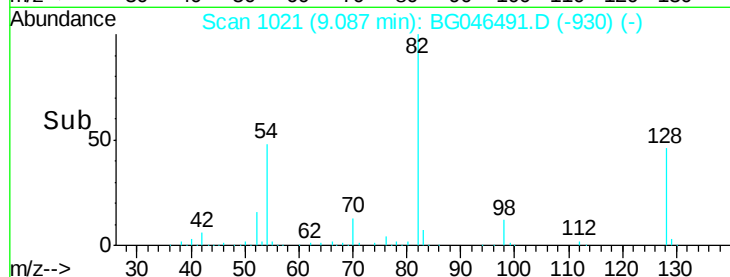
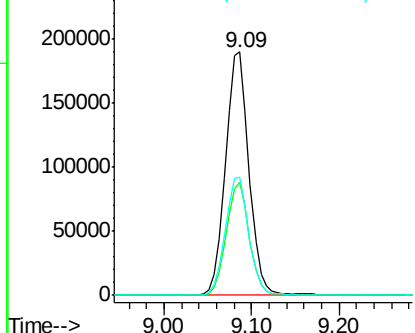
#23
Nitrobenzene-d5
Concen: 83.529 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG046491.D
Acq: 1 Sep 2020 19:28

Instrument :
BNA_G
ClientSampleId :
OR-02-083120

Tot Ion	82	Resp	349265
Ion Ratio	100	Lower	Upper
128	46.4	35.7	53.5
54	48.3	39.4	59.0

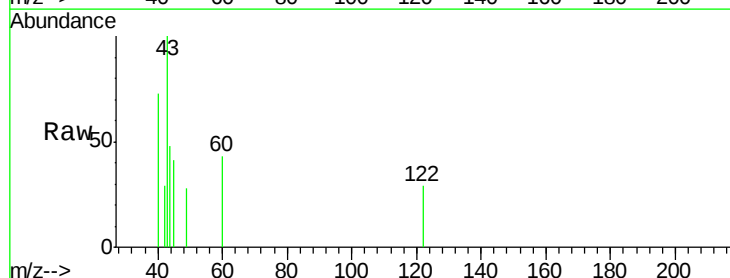


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

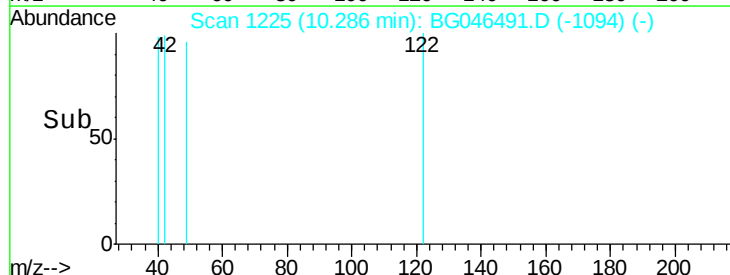
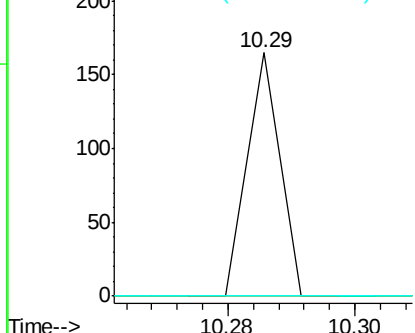


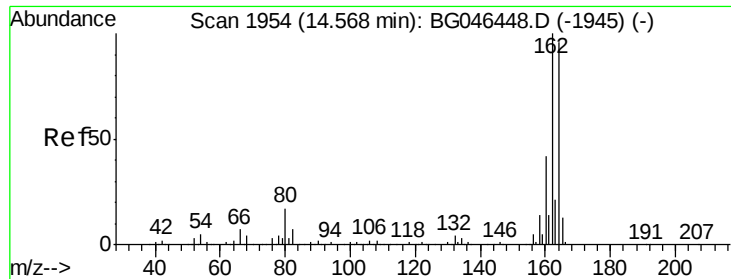
#32
Benzoic acid
Concen: 4.500 ng
RT: 10.29 min Scan# 1225
Delta R.T. 0.24 min
Lab File: BG046491.D
Acq: 1 Sep 2020 19:28

Tgt Ion	122	Resp	58
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	102.5	142.5#
77	0.0	68.2	108.2#



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: 14.56 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BG046491.D

Acq: 1 Sep 2020 19:28

Instrument :

BNA_G

ClientSampleId :

OR-02-083120

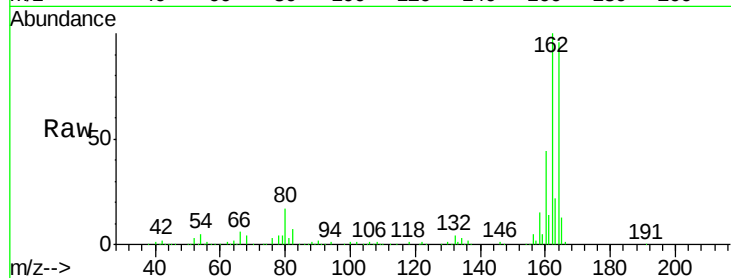
Tot Ion:164 Resp: 172260

Ion Ratio Lower Upper

164 100

162 103.7 83.3 124.9

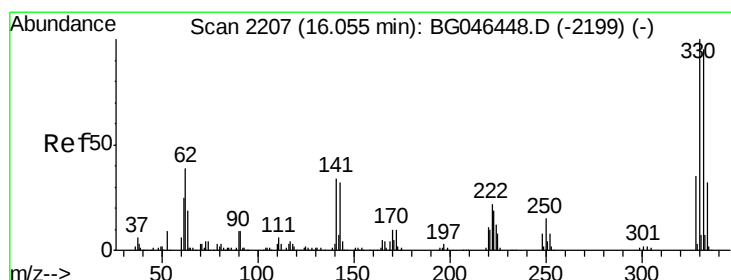
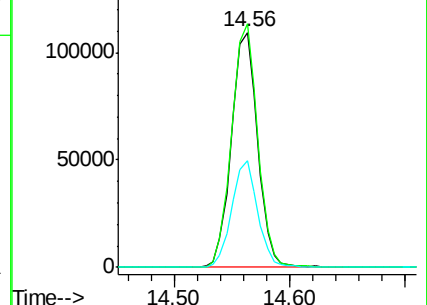
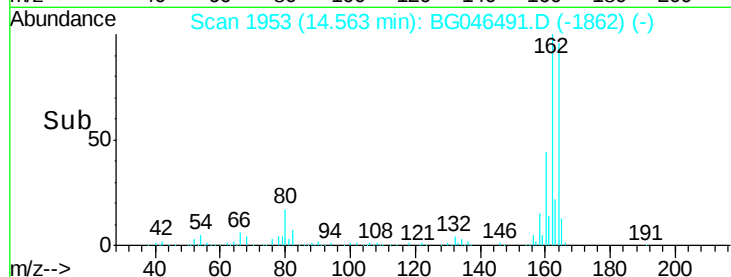
160 45.2 35.0 52.6



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: 131.607 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046491.D

Acq: 1 Sep 2020 19:28

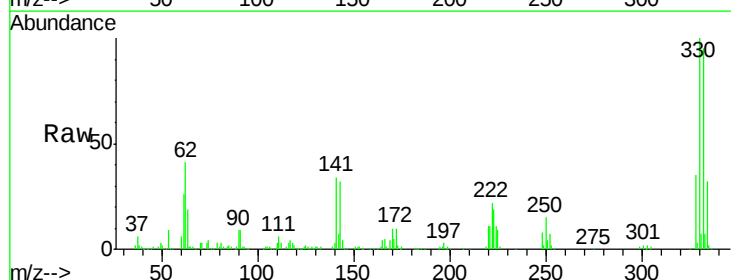
Tgt Ion:330 Resp: 307171

Ion Ratio Lower Upper

330 100

332 95.7 76.1 114.1

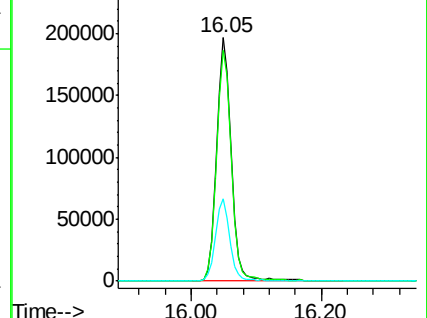
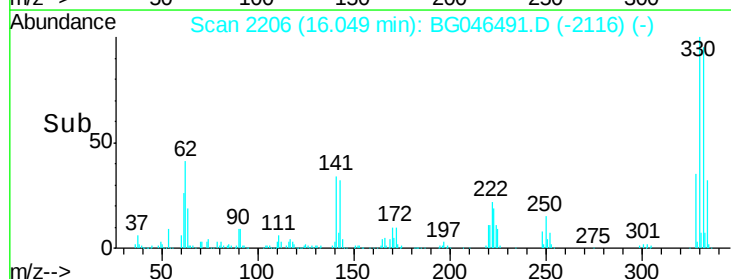
141 33.2 26.1 39.1

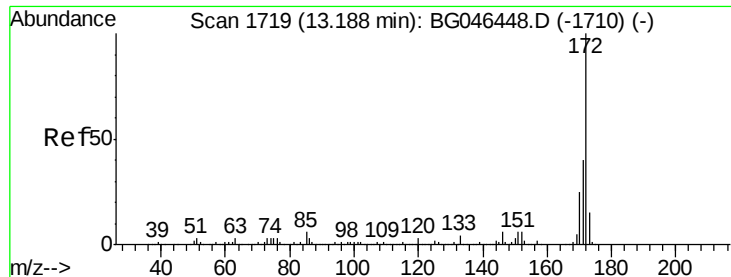


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

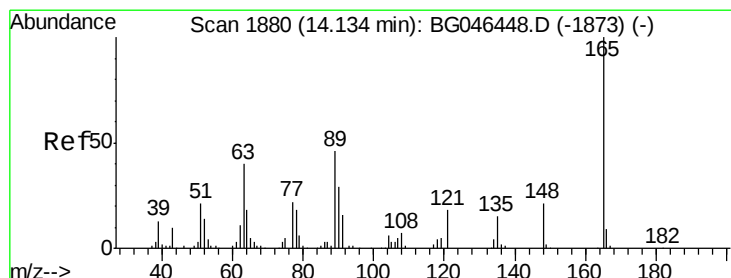
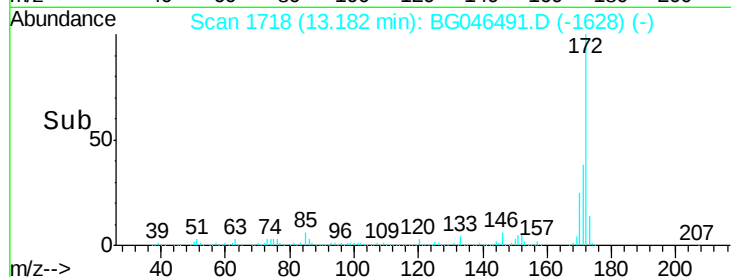
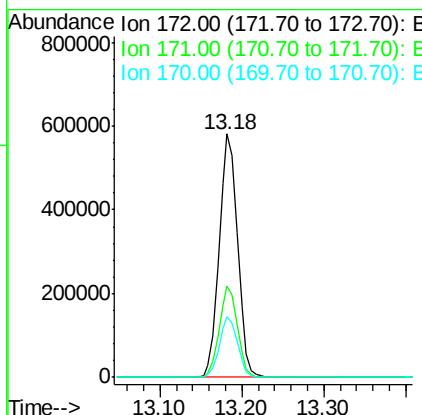
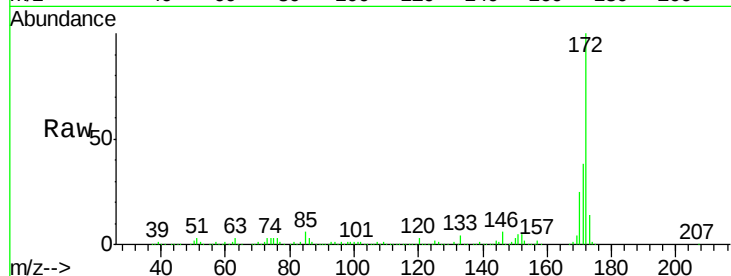




#45
 2-Fluorobiphenyl
 Concen: 80.675 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046491.D
 Acq: 1 Sep 2020 19:28

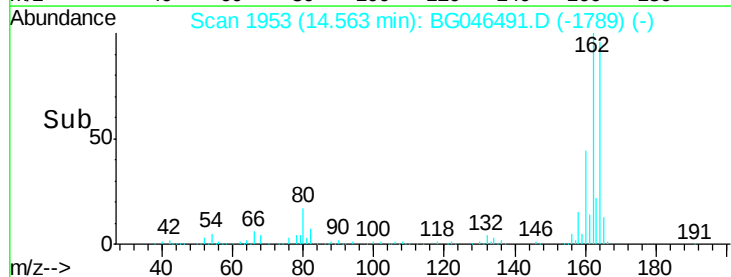
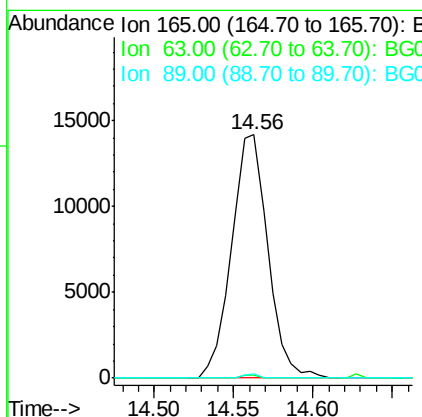
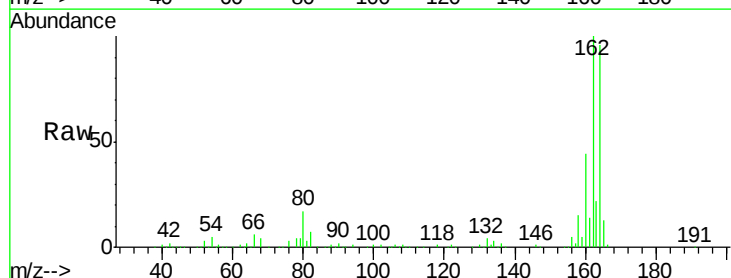
Instrument :
 BNA_G
 ClientSampleId :
 OR-02-083120

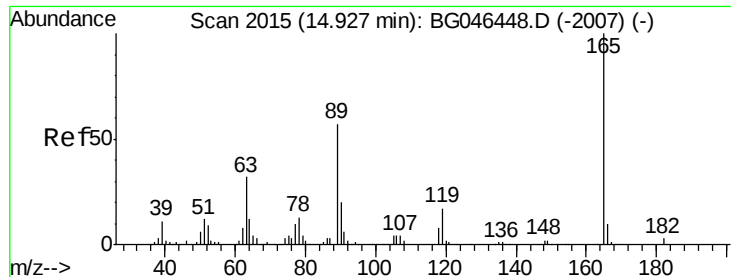
Tot Ion:172 Resp: 910354
 Ion Ratio Lower Upper
 172 100
 171 37.7 31.8 47.6
 170 24.8 20.3 30.5



#51
 2,6-Dinitrotoluene
 Concen: 7.649 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. 0.43 min
 Lab File: BG046491.D
 Acq: 1 Sep 2020 19:28

Tgt Ion:165 Resp: 22469
 Ion Ratio Lower Upper
 165 100
 63 1.4 34.2 51.4#
 89 1.9 37.0 55.4#

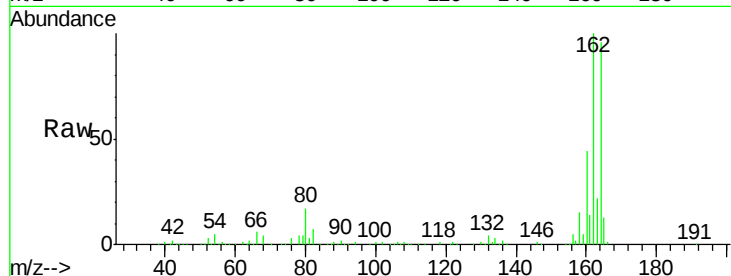




#57
 2,4-Dinitrotoluene
 Concen: 5.364 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.36 min
 Lab File: BG046491.D
 Acq: 1 Sep 2020 19:28

Instrument :
 BNA_G
 ClientSampleId :
 OR-02-083120

Tot Ion	165	Resp	22469
Ion Ratio	100	Lower	Upper
63	1.4	25.4	38.0#
89	1.9	45.9	68.9#
182	0.0	2.3	3.5#

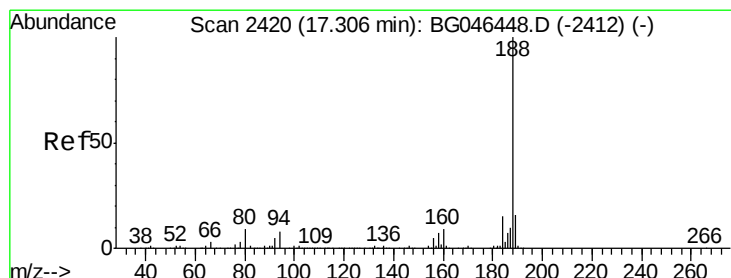
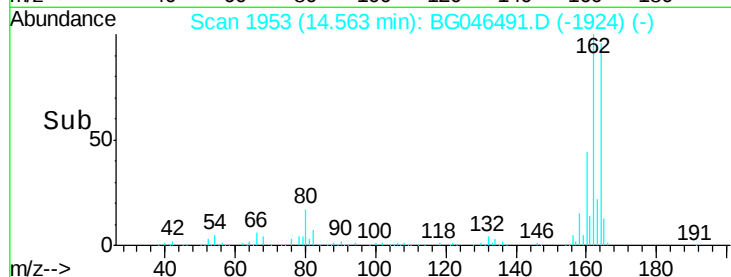
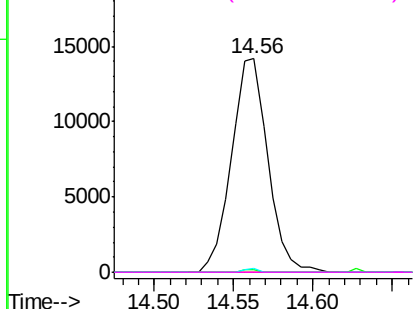


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

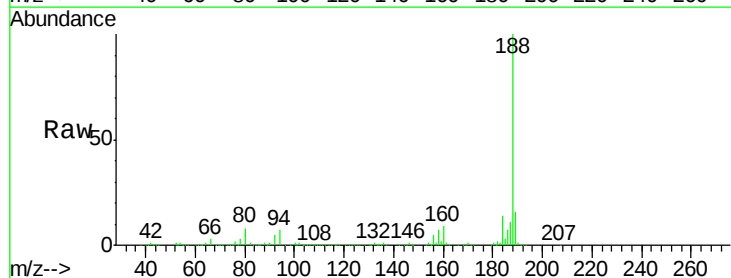
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. 0.00 min
 Lab File: BG046491.D
 Acq: 1 Sep 2020 19:28

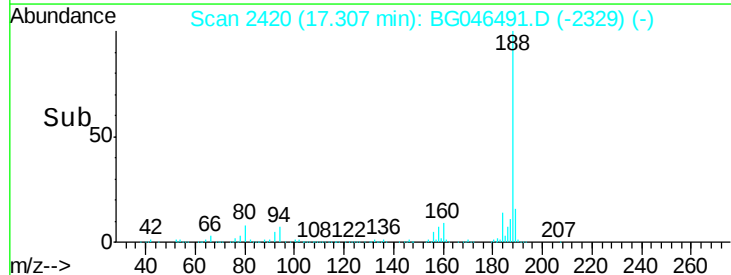
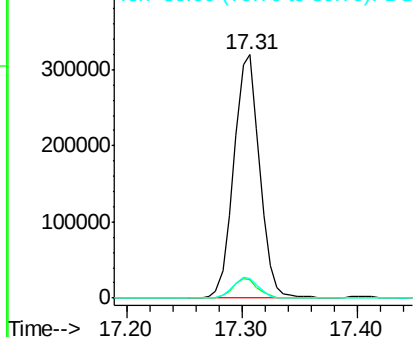
Tgt Ion	188	Resp	495026
Ion Ratio	100	Lower	Upper
94	7.4	6.3	9.5
80	8.2	6.9	10.3

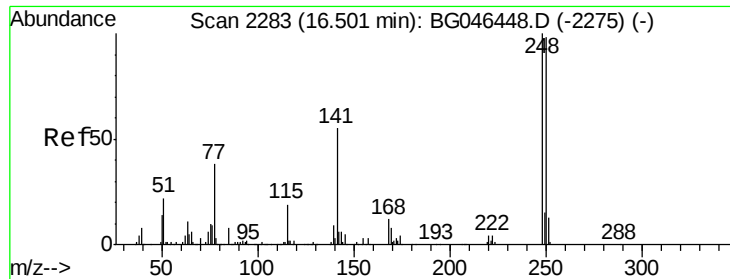


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

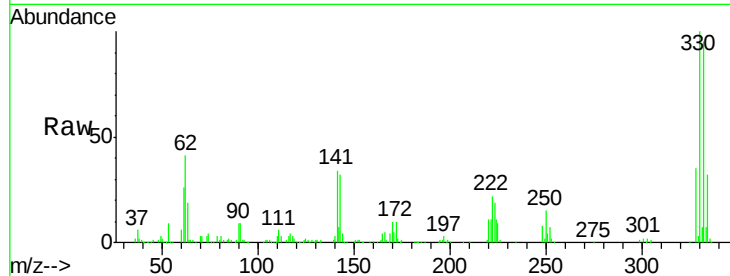




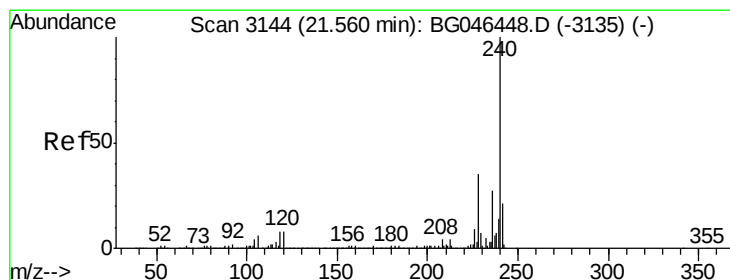
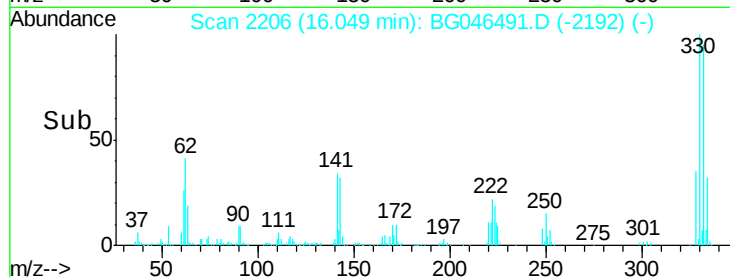
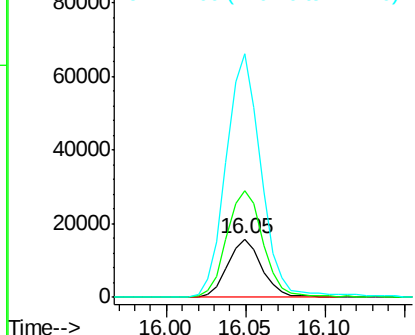
#67
4-Bromophenyl-phenylether
Concen: 4.109 ng
RT: 16.05 min Scan# 2206
Delta R.T. -0.45 min
Lab File: BG046491.D
Acq: 1 Sep 2020 19:28

Instrument :
BNA_G
ClientSampleId :
OR-02-083120

Tot Ion:248 Resp: 23731
Ion Ratio Lower Upper
248 100
250 181.9 78.6 118.0#
141 415.8 43.9 65.9#

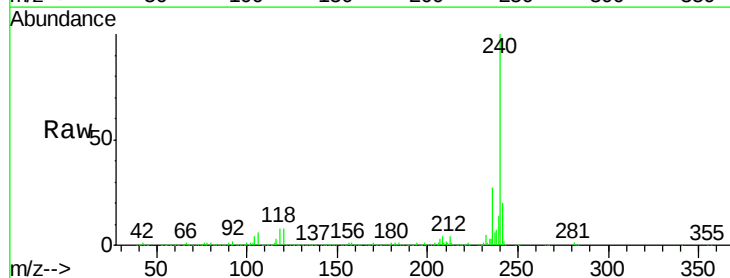


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

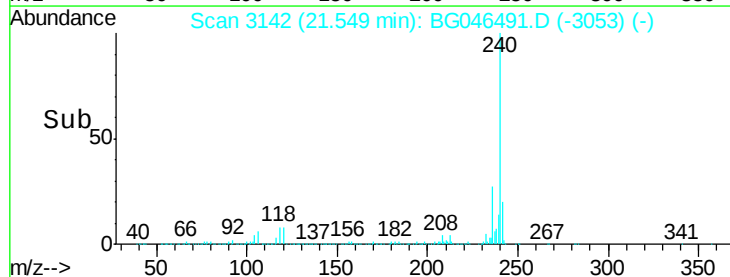
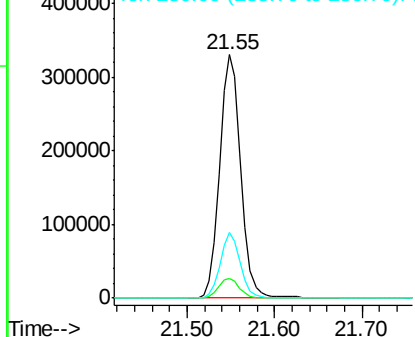


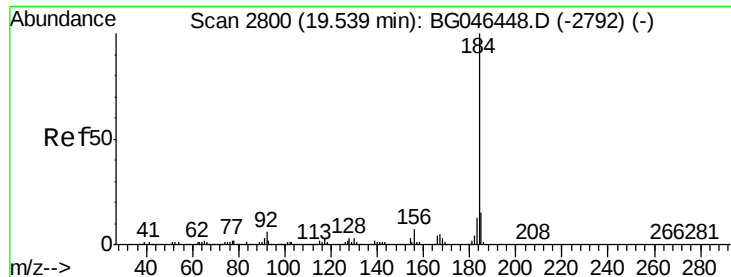
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.01 min
Lab File: BG046491.D
Acq: 1 Sep 2020 19:28

Tgt Ion:240 Resp: 551797
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 26.9 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: 2.289 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG046491.D

Acq: 1 Sep 2020 19:28

Instrument :

BNA_G

ClientSampleId :

OR-02-083120

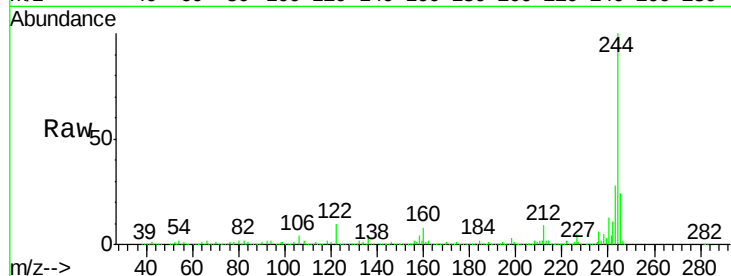
Tot Ion:184 Resp: 29347

Ion Ratio Lower Upper

184 100

185 17.7 11.8 17.8

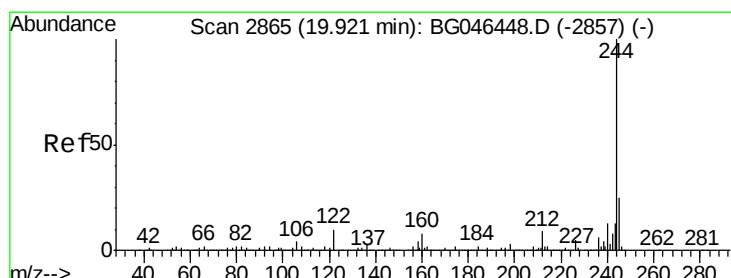
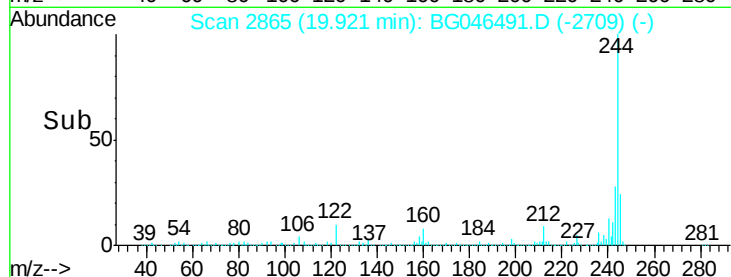
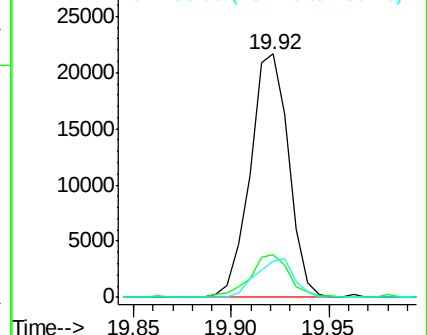
183 14.9 10.7 16.1



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: 72.061 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.00 min

Lab File: BG046491.D

Acq: 1 Sep 2020 19:28

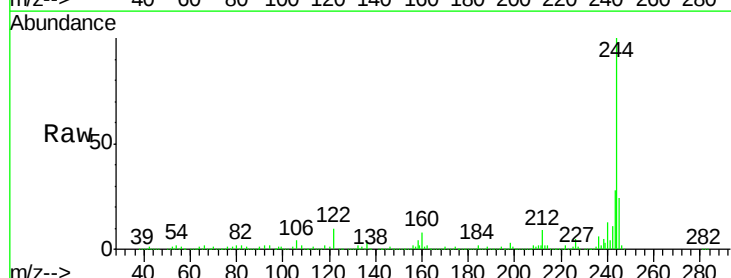
Tgt Ion:244 Resp: 1868407

Ion Ratio Lower Upper

244 100

212 8.9 6.9 10.3

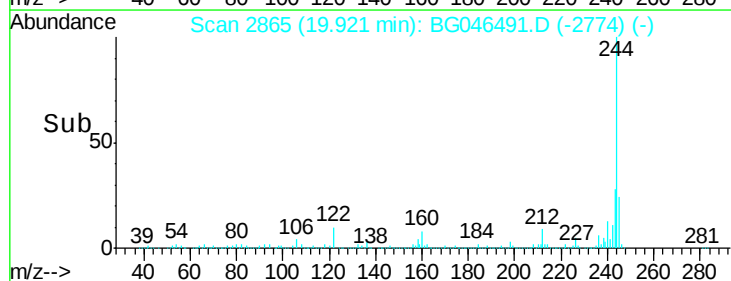
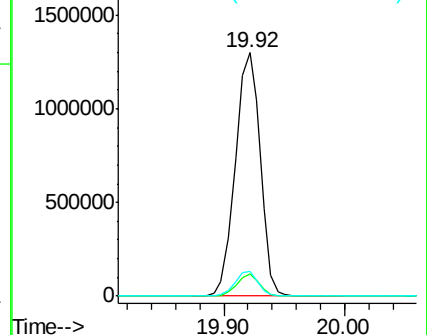
122 10.0 8.2 12.4

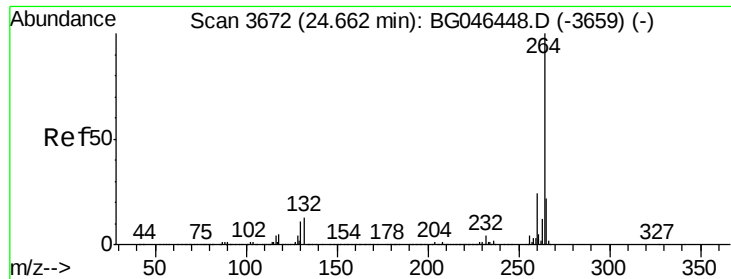


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG046491.D
Acq: 1 Sep 2020 19:28

Instrument :
BNA_G
ClientSampleId :
OR-02-083120

Tot Ion: 264 Resp: 558091

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.2	28.8
265	21.9	17.9	26.9

