

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081020\
 Data File : BG046210.D
 Acq On : 10 Aug 2020 17:23
 Operator : CG/JU
 Sample : L3614-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 0495-MODIFIED-ELUTRIATE

Quant Time: Aug 10 18:02:58 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 18:43:49 2020
 Response via : Initial Calibration

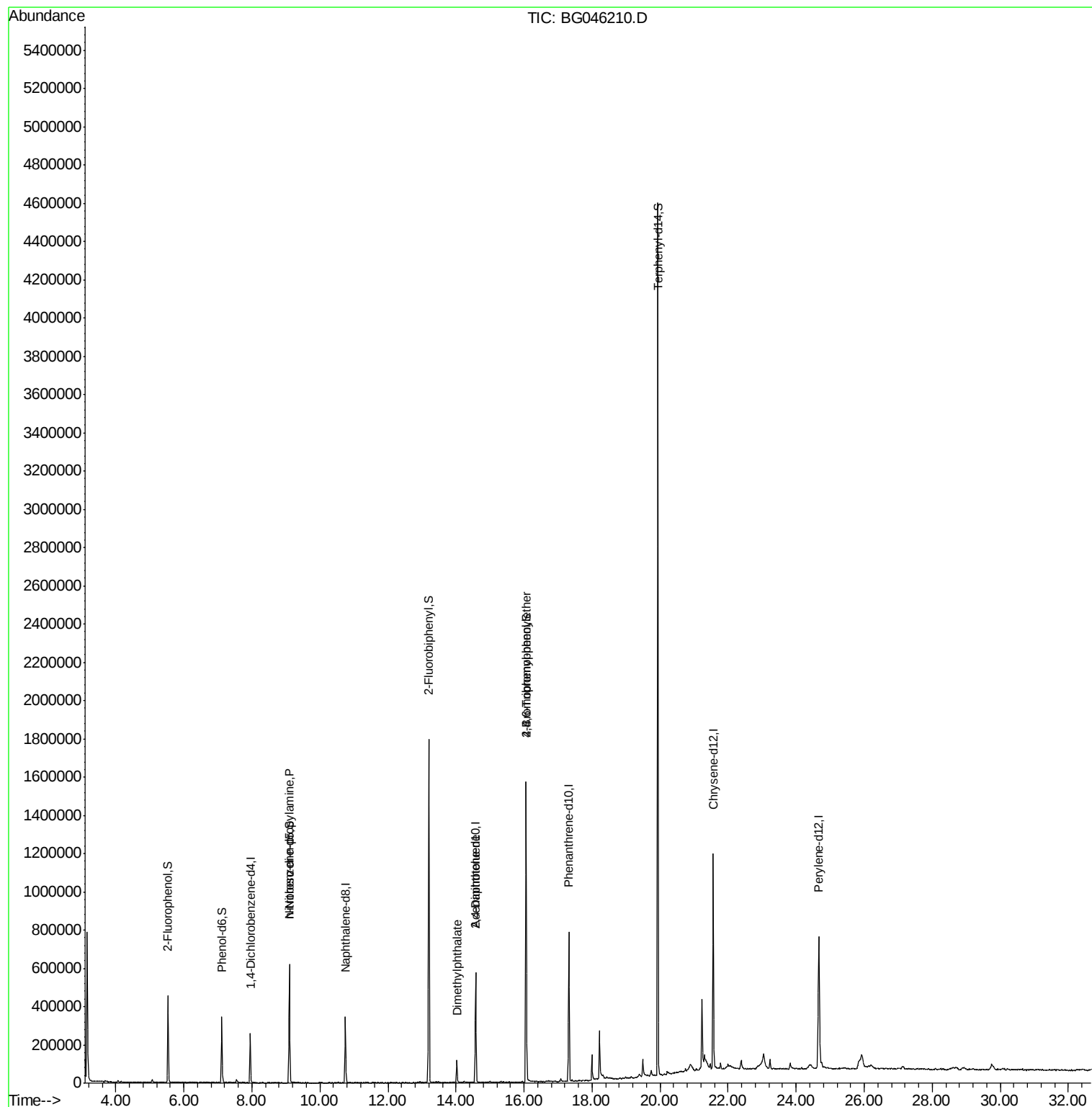
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	79172	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	310161	20.00	ng	0.00
39) Acenaphthene-d10	14.58	164	206217	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	521639	20.00	ng	-0.01
76) Chrysene-d12	21.56	240	697384	20.00	ng	-0.01
86) Perylene-d12	24.67	264	745468	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	215550	47.33	ng	0.00
7) Phenol-d6	7.11	99	218569	35.21	ng	0.00
23) Nitrobenzene-d5	9.10	82	384735	67.16	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	378007	119.34	ng	0.00
45) 2-Fluorobiphenyl	13.20	172	1005344	70.82	ng	0.00
79) Terphenyl-d14	19.94	244	2038279	59.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	48819	12.085	ng	# 72
50) Dimethylphthalate	14.03	163	86753	5.481	ng	# 96
57) 2,4-Dinitrotoluene	14.58	165	27253	5.381	ng	# 27
67) 4-Bromophenyl-phenylether	16.06	248	23029	3.573	ng	# 1

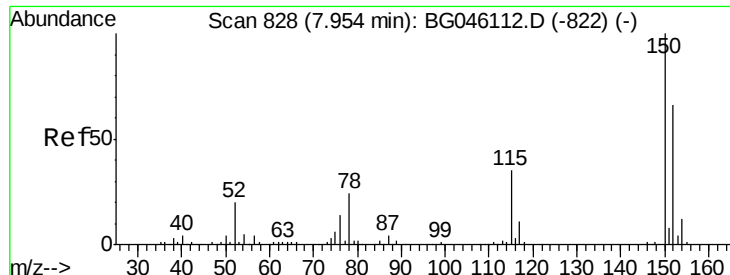
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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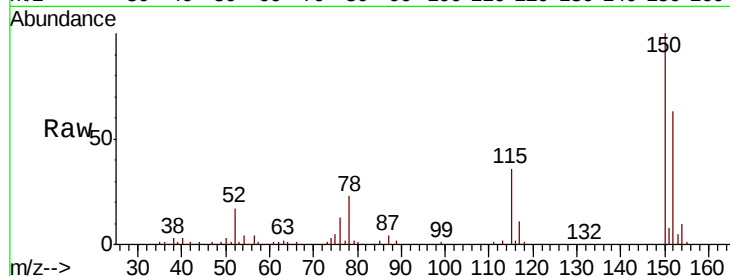


#1

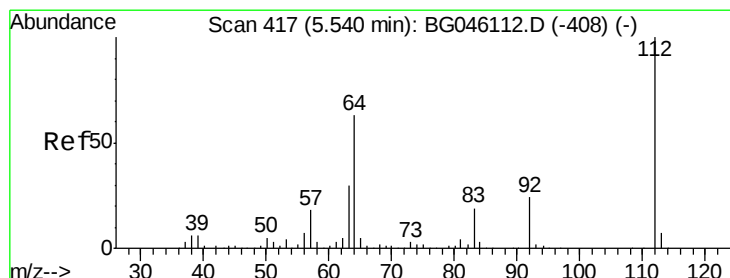
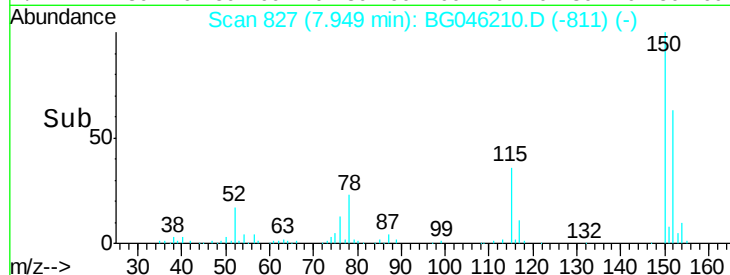
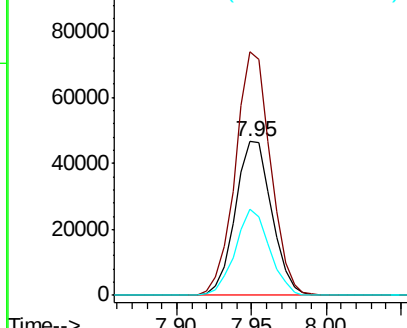
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BG046210.D
Acq: 10 Aug 2020 17:23

Instrument :
BNA_G
ClientSampleId :
0495-MODIFIED-ELUTRIATE

Tot Ion:152 Resp: 79172
Ion Ratio Lower Upper
152 100
150 158.7 122.1 183.1
115 56.3 43.2 64.8



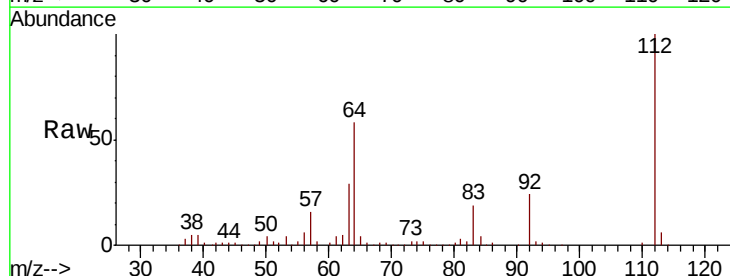
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



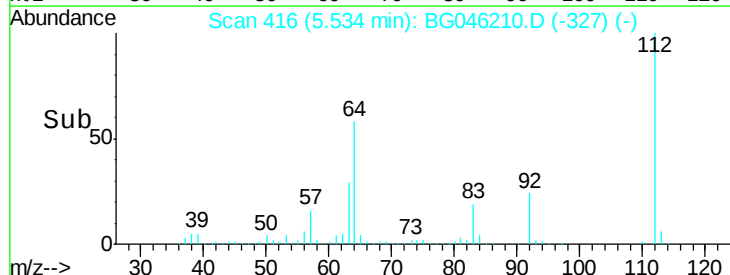
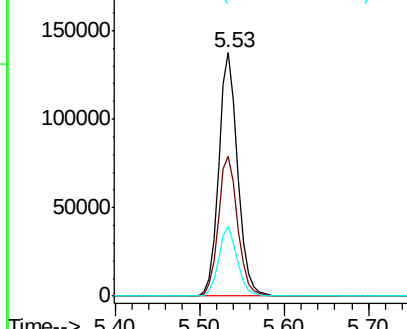
#5

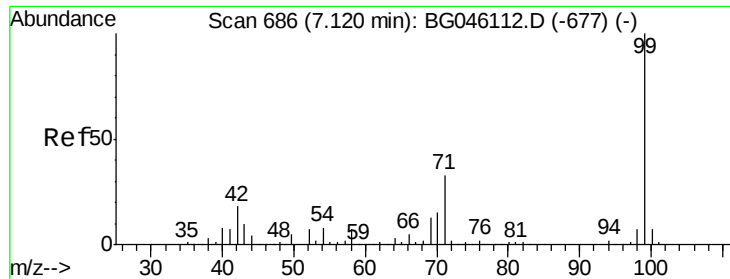
2-Fluorophenol
Concen: 47.328 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG046210.D
Acq: 10 Aug 2020 17:23

Tgt Ion:112 Resp: 215550
Ion Ratio Lower Upper
112 100
64 57.6 50.2 75.2
63 28.7 24.2 36.4



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: 35.213 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

Instrument :

BNA_G

ClientSampleId :

0495-MODIFIED-ELUTRIATE

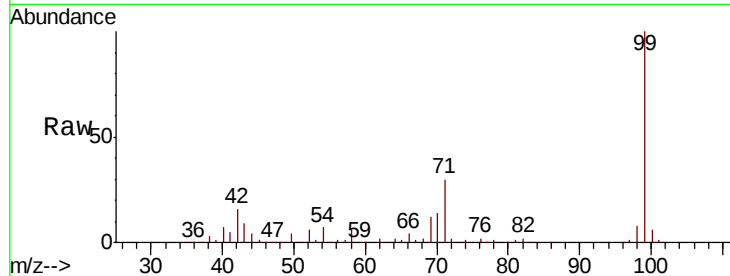
Tot Ion: 99 Resp: 218569

Ion Ratio Lower Upper

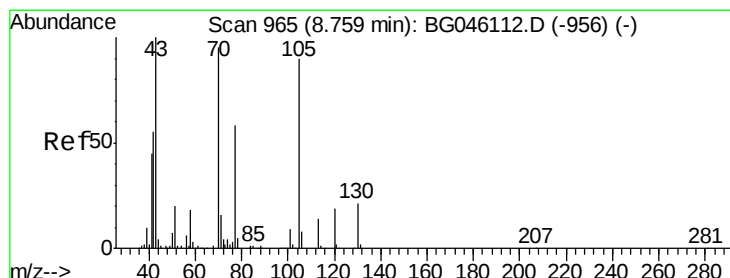
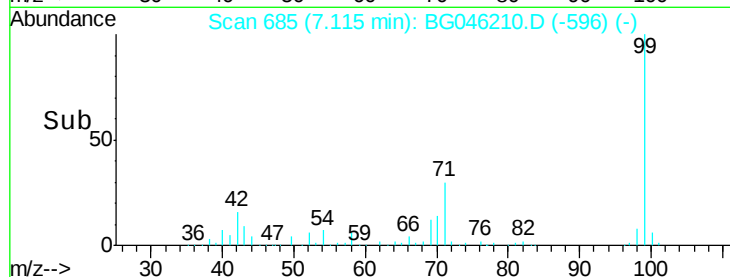
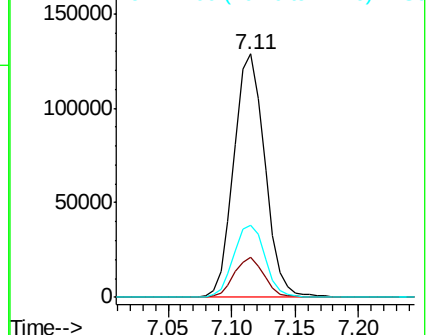
99 100

42 16.2 14.7 22.1

71 29.8 26.5 39.7



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: 12.085 ng

RT: 9.10 min Scan# 1023

Delta R.T. 0.34 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

Tgt Ion: 70 Resp: 48819

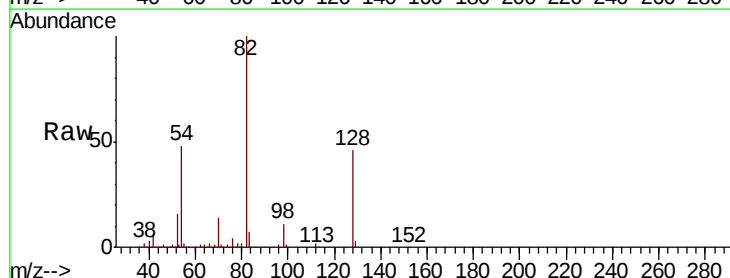
Ion Ratio Lower Upper

70 100

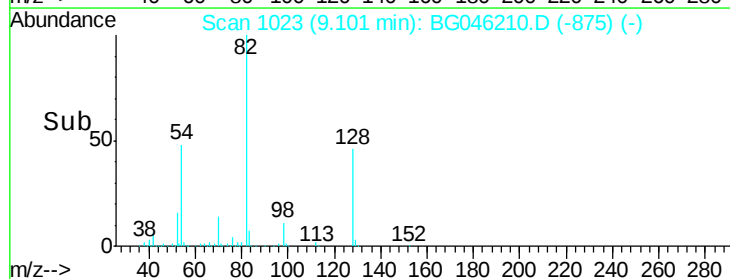
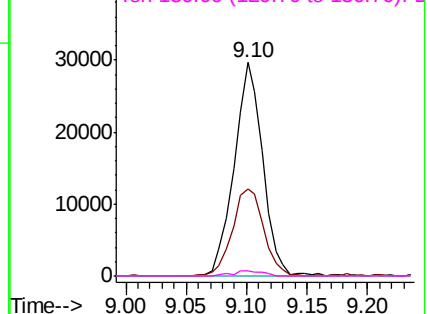
42 41.0 46.5 69.7#

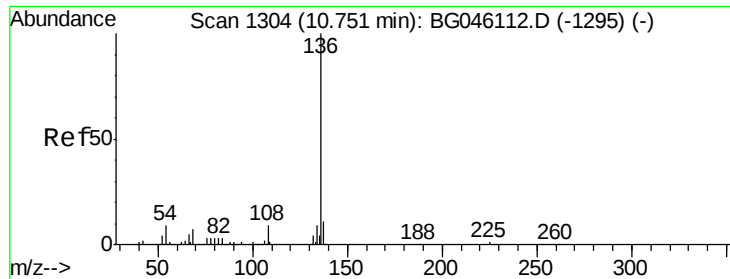
101 0.0 7.6 11.4#

130 2.2 17.3 25.9#



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

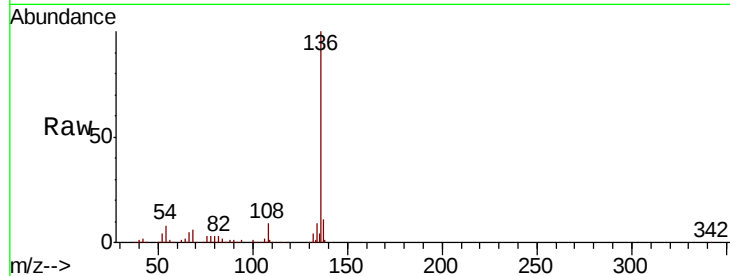




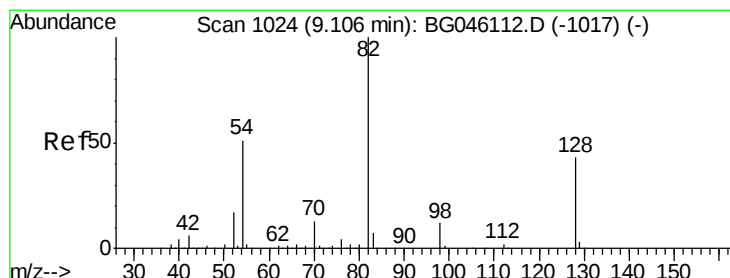
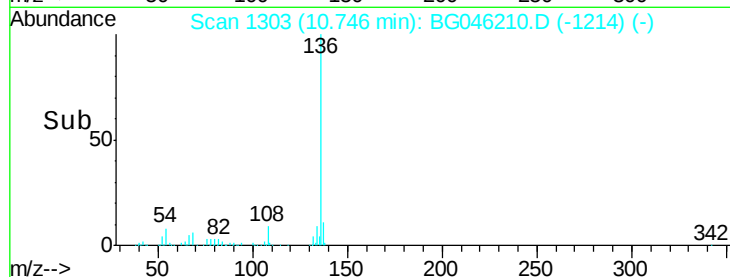
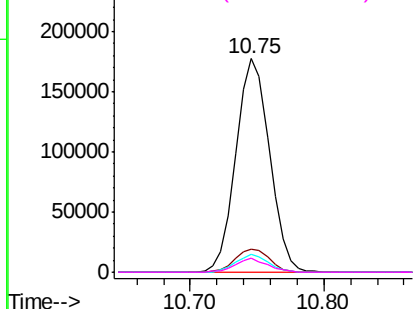
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG046210.D
Acq: 10 Aug 2020 17:23

Instrument :
BNA_G
ClientSampleId :
0495-MODIFIED-ELUTRIATE

Tot Ion:136	Resp:	310161
Ion	Ratio	Lower Upper
136	100	
137	10.7	8.8 13.2
54	8.1	7.0 10.4
68	6.3	5.3 7.9

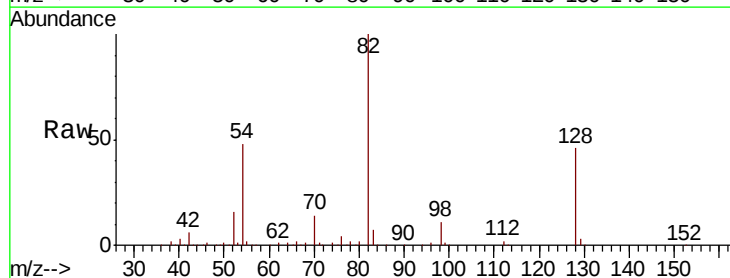


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

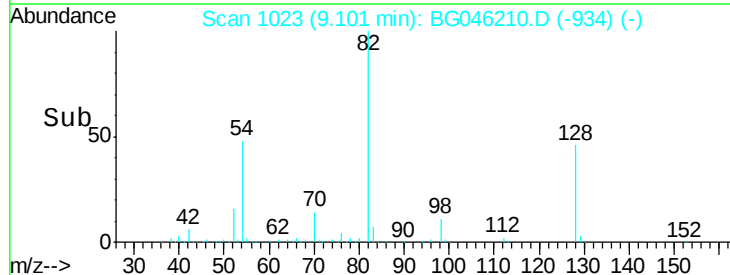
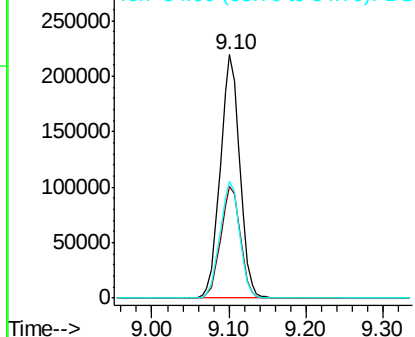


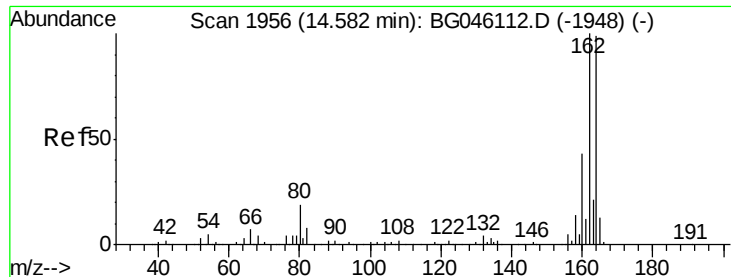
#23
Nitrobenzene-d5
Concen: 67.161 ng
RT: 9.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BG046210.D
Acq: 10 Aug 2020 17:23

Tgt Ion: 82	Resp:	384735
Ion	Ratio	Lower Upper
82	100	
128	46.0	34.4 51.6
54	47.8	40.8 61.2



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

Instrument :

BNA_G

ClientSampleId :

0495-MODIFIED-ELUTRIATE

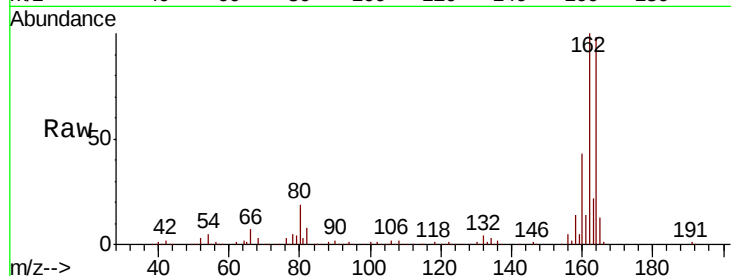
Tot Ion:164 Resp: 206217

Ion Ratio Lower Upper

164 100

162 101.6 80.6 121.0

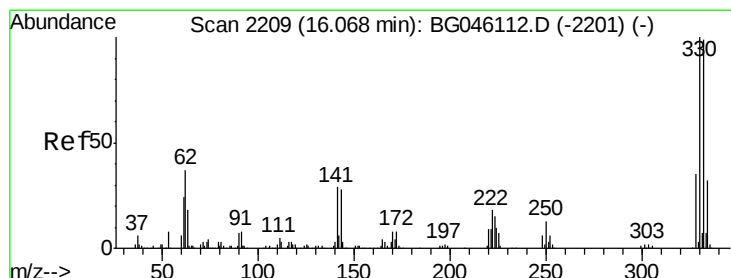
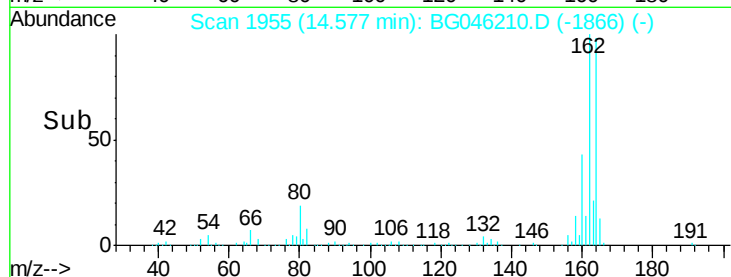
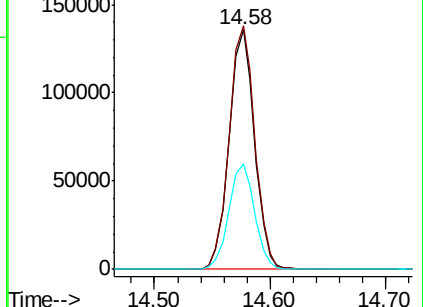
160 44.0 34.9 52.3



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: 119.341 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

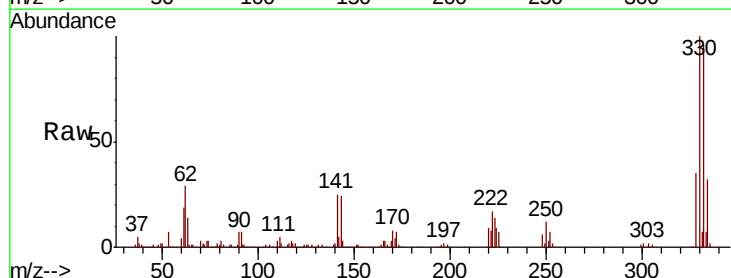
Tgt Ion:330 Resp: 378007

Ion Ratio Lower Upper

330 100

332 96.1 77.4 116.2

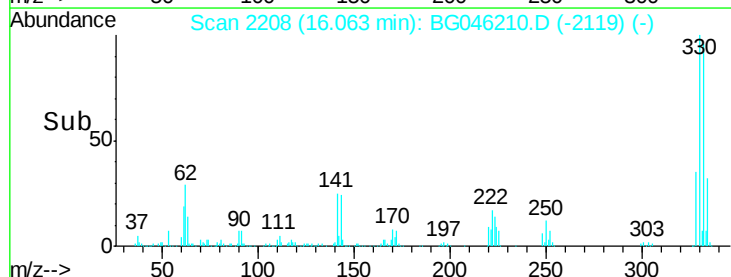
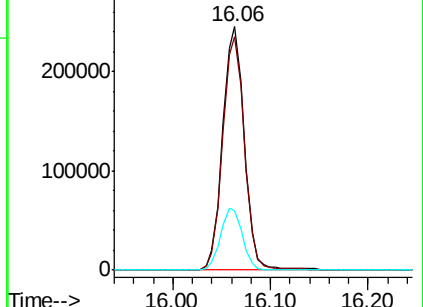
141 25.7 23.4 35.0

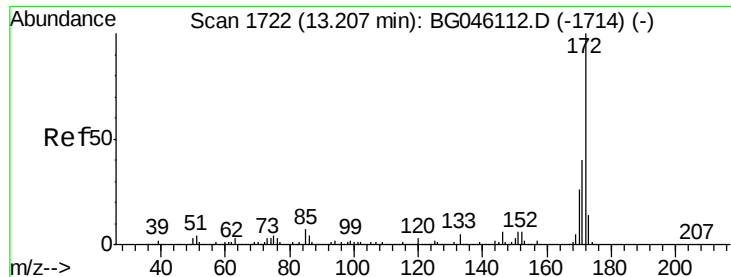


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

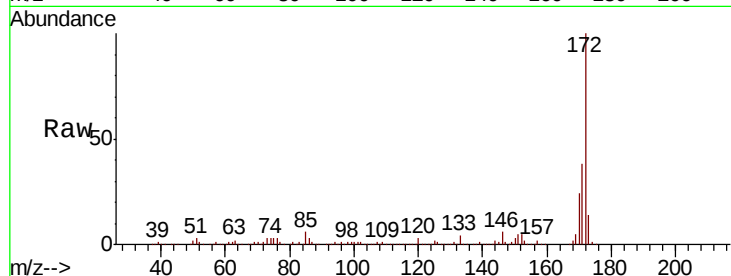




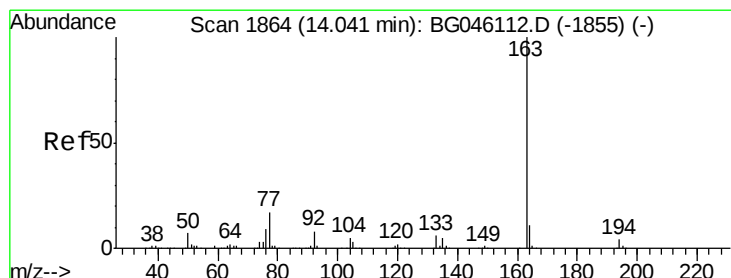
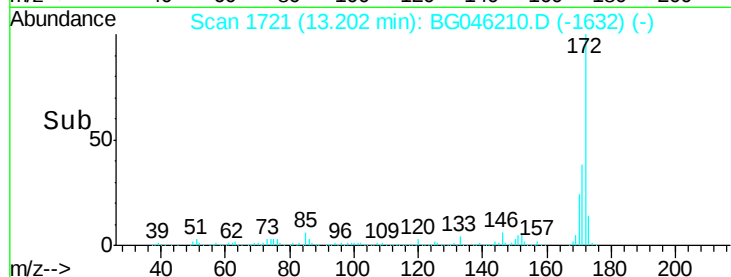
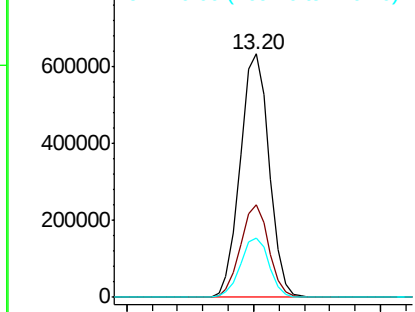
#45
2-Fluorobiphenyl
Concen: 70.818 ng
RT: 13.20 min Scan# 1721
Delta R.T. -0.01 min
Lab File: BG046210.D
Acq: 10 Aug 2020 17:23

Instrument :
BNA_G
ClientSampleId :
0495-MODIFIED-ELUTRIATE

Tot Ion:172 Resp: 1005344
Ion Ratio Lower Upper
172 100
171 37.9 31.7 47.5
170 24.5 20.9 31.3

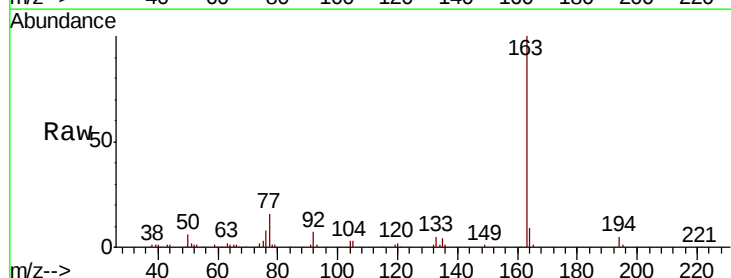


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

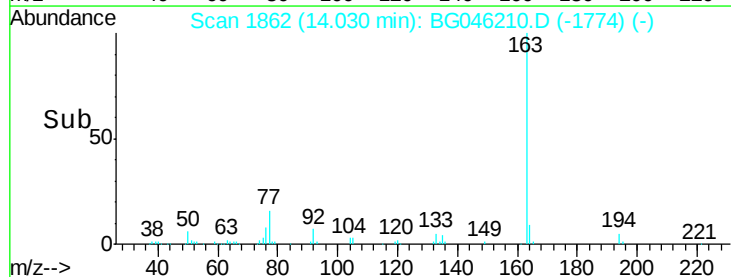
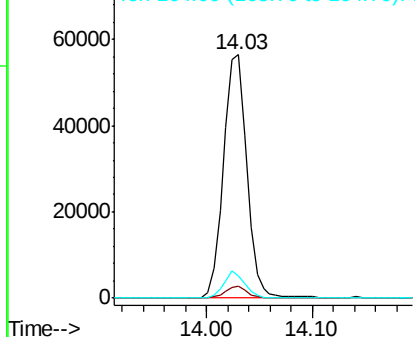


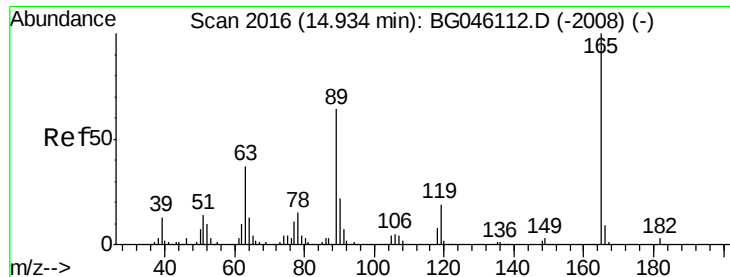
#50
Dimethylphthalate
Concen: 5.481 ng
RT: 14.03 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BG046210.D
Acq: 10 Aug 2020 17:23

Tgt Ion:163 Resp: 86753
Ion Ratio Lower Upper
163 100
194 4.7 3.5 5.3
164 9.1 8.8 13.2



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





#57

2,4-Dinitrotoluene

Concen: 5.381 ng

RT: 14.58 min Scan# 1955

Delta R.T. -0.36 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

Instrument :

BNA_G

ClientSampleId :

0495-MODIFIED-ELUTRIATE

Tot Ion:165 Resp: 27253

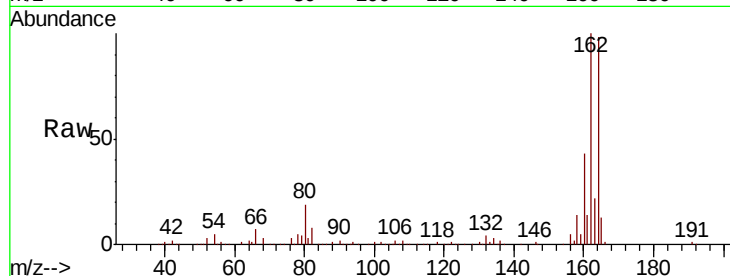
Ion Ratio Lower Upper

165 100

63 0.0 30.1 45.1#

89 0.0 51.4 77.2#

182 0.0 2.3 3.5#

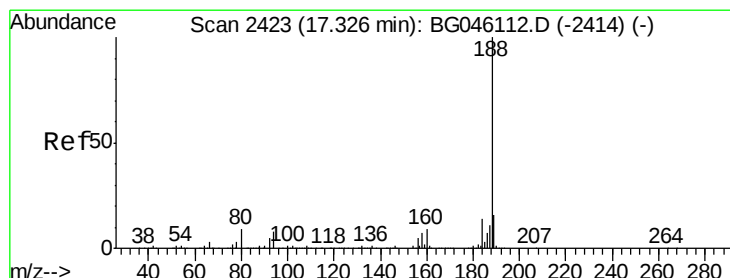
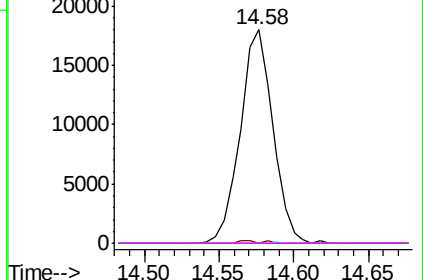
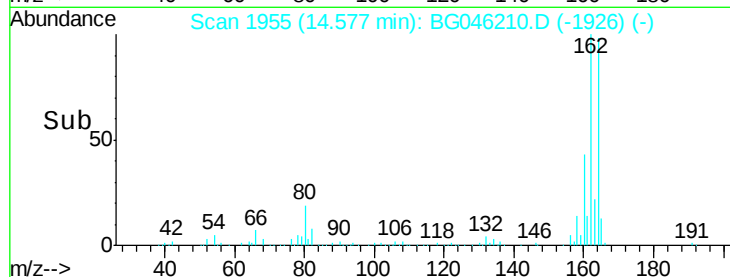


Abundance Ion 165.00 (164.70 to 165.70): E

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# 2421

Delta R.T. -0.01 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

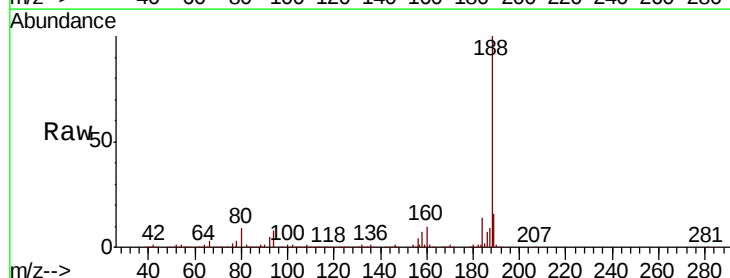
Tgt Ion:188 Resp: 521639

Ion Ratio Lower Upper

188 100

94 7.7 6.4 9.6

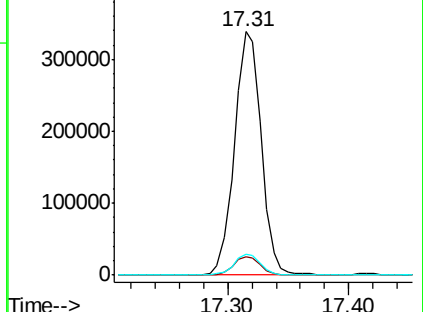
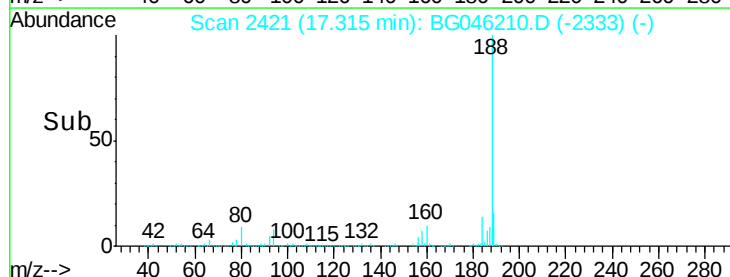
80 8.8 7.4 11.0

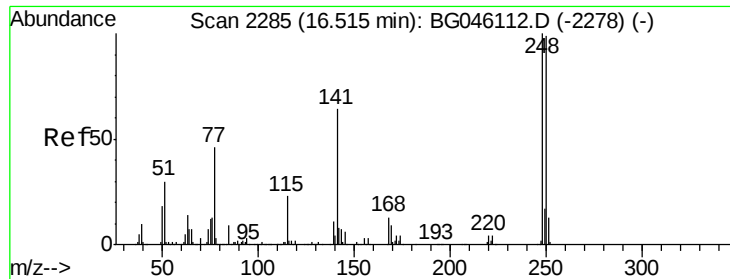


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#67

4-Bromophenyl-phenylether

Concen: 3.573 ng

RT: 16.06 min Scan# 2208

Delta R.T. -0.45 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

Instrument :

BNA_G

ClientSampleId :

0495-MODIFIED-ELUTRIATE

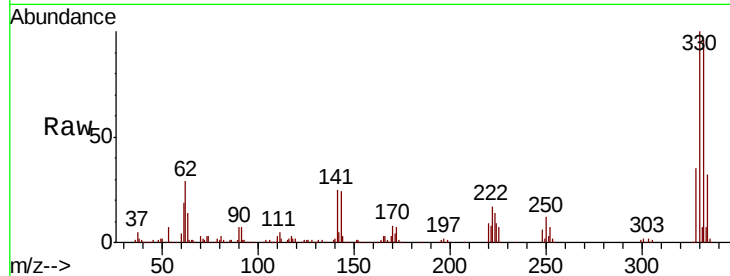
Tot Ion:248 Resp: 23029

Ion Ratio Lower Upper

248 100

250 194.3 79.4 119.0#

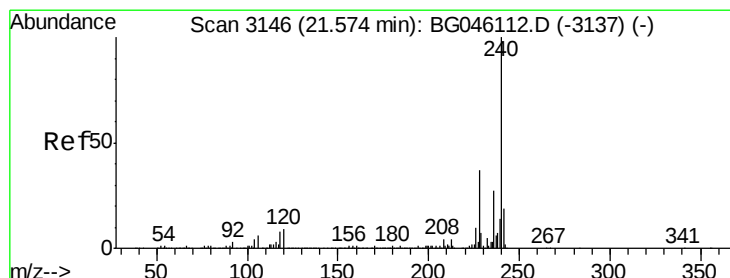
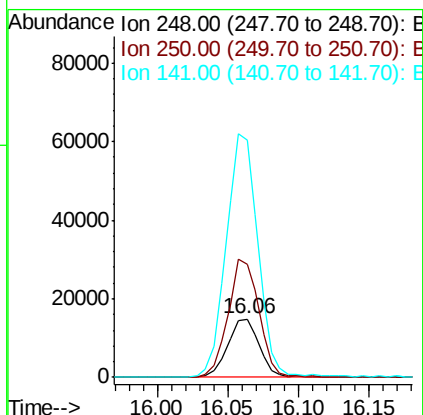
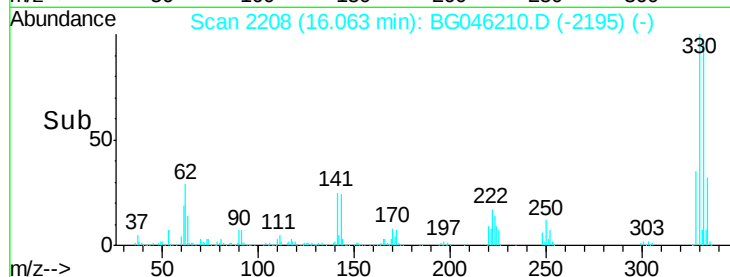
141 406.6 50.9 76.3#



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: 21.56 min Scan# 3144

Delta R.T. -0.01 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

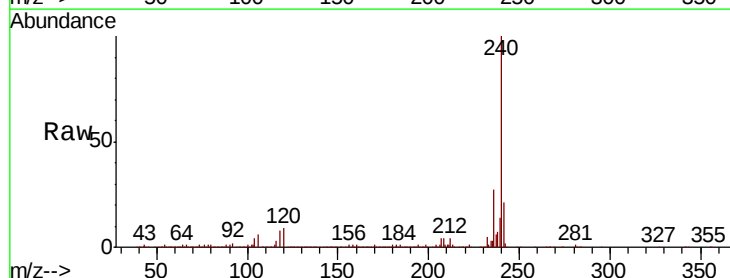
Tgt Ion:240 Resp: 697384

Ion Ratio Lower Upper

240 100

120 8.6 7.1 10.7

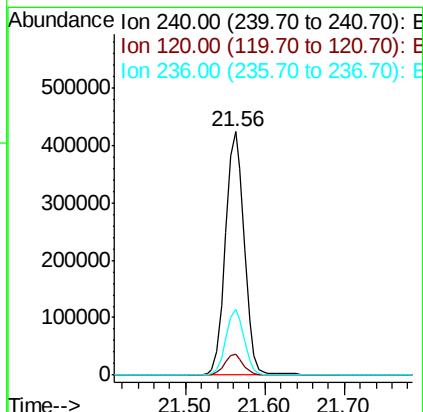
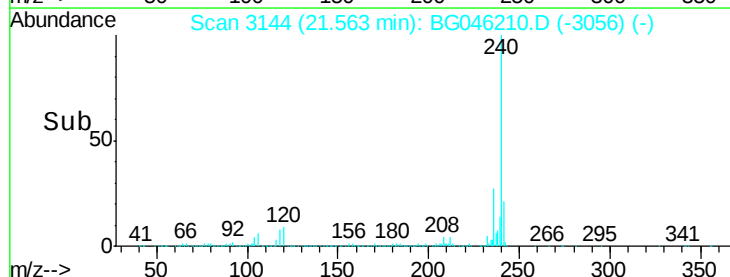
236 27.2 21.7 32.5

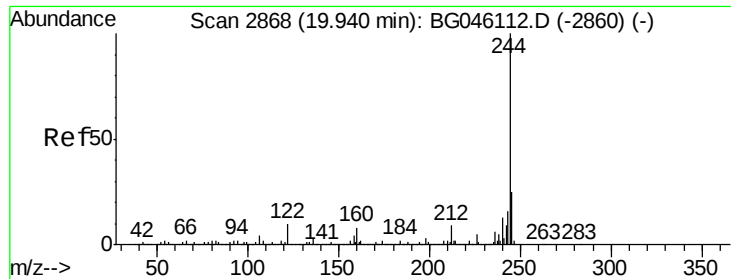


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 59.526 ng

RT: 19.94 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

Instrument :

BNA_G

ClientSampleId :

0495-MODIFIED-ELUTRIATE

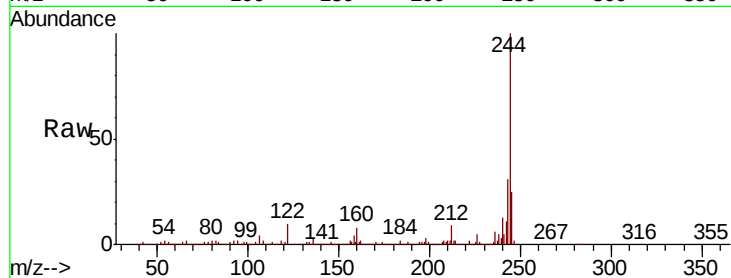
Tot Ion:244 Resp: 2038279

Ion Ratio Lower Upper

244 100

212 8.9 7.2 10.8

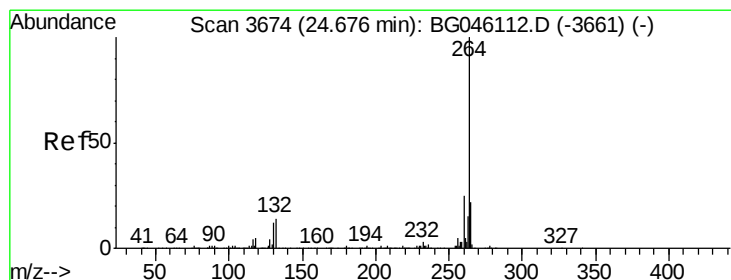
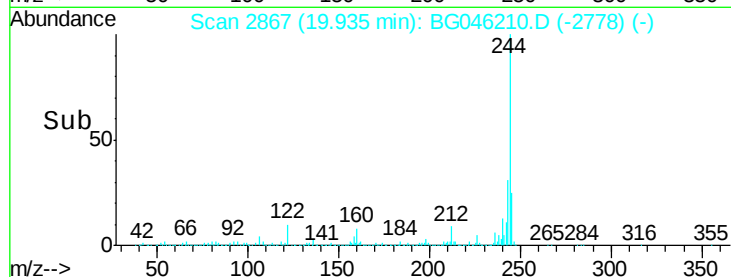
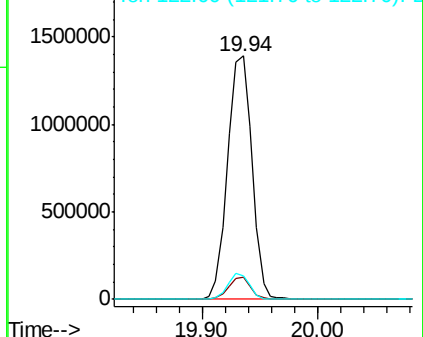
122 9.8 8.3 12.5



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: 24.67 min Scan# 3673

Delta R.T. -0.01 min

Lab File: BG046210.D

Acq: 10 Aug 2020 17:23

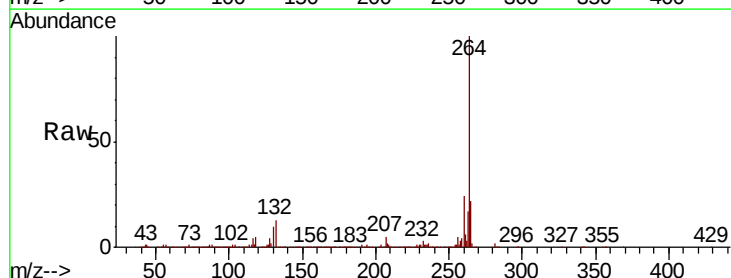
Tgt Ion:264 Resp: 745468

Ion Ratio Lower Upper

264 100

260 23.6 19.7 29.5

265 21.6 17.6 26.4



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

