

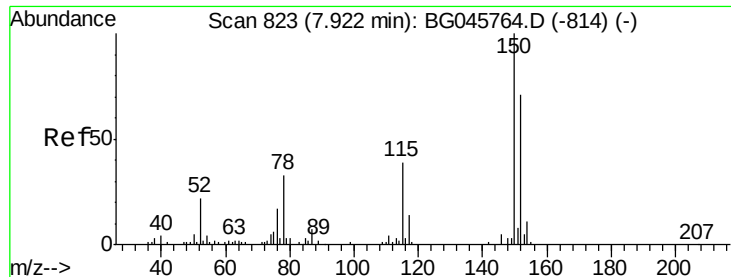
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045914.D
 Acq On : 2 Jul 2020 14:43
 Operator : CG/JU
 Sample : L3153-44
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP2-L

Quant Time: Jul 02 15:25:56 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 14:02:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	51982	20.00	ng	0.00
21) Naphthalene-d8	10.66	136	197213	20.00	ng	0.00
39) Acenaphthene-d10	14.51	164	141344	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	332876	20.00	ng	0.00
76) Chrysene-d12	21.51	240	340068	20.00	ng	0.00
86) Perylene-d12	24.59	264	351384	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	353121	114.75	ng	0.00
7) Phenol-d6	7.07	99	439941	93.99	ng	0.00
23) Nitrobenzene-d5	9.02	82	416783	96.55	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	304809	142.84	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	970880	100.94	ng	0.00
79) Terphenyl-d14	19.89	244	1740353	103.71	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.18	79	7838	2.164	ng	# 59
19) n-Nitroso-di-n-propylamine	9.02	70	59502	19.336	ng	# 79
50) Dimethylphthalate	13.96	163	91401	8.255	ng	# 97
57) 2,4-Dinitrotoluene	14.51	165	18393	5.162	ng	# 23
67) 4-Bromophenyl-phenylether	16.01	248	20745	4.796	ng	# 1
77) Benzidine	19.89	184	32836	3.714	ng	# 91

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

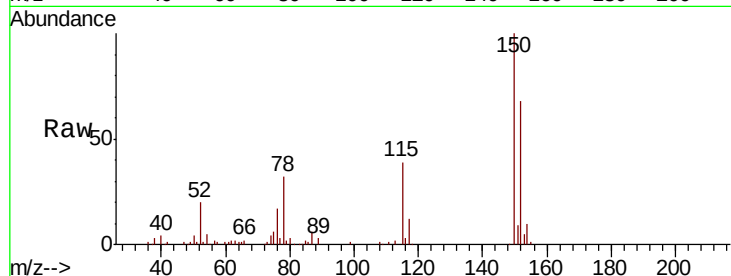


#1

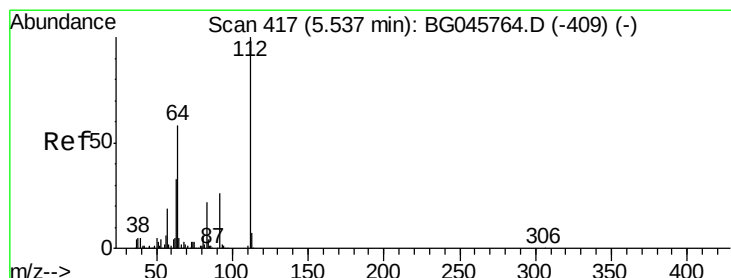
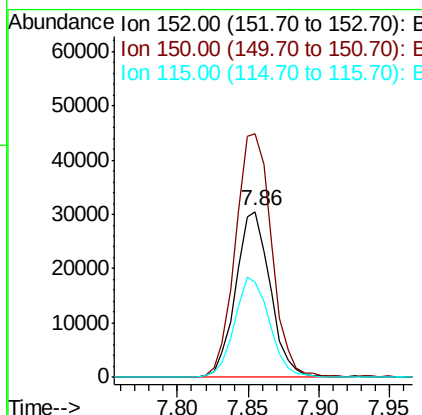
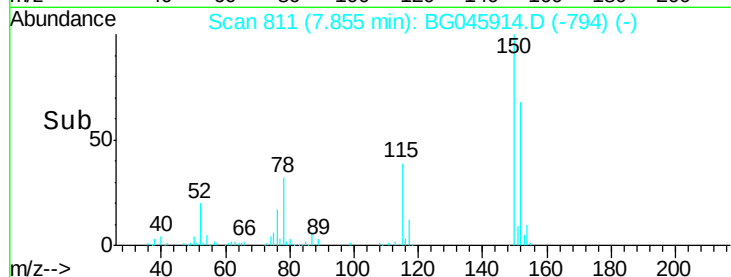
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.86 min Scan# 811
Delta R.T. -0.00 min
Lab File: BG045914.D
Acq: 2 Jul 2020 14:43

Instrument :
BNA_G
ClientSampleId :
SP2-L

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.8	124.5	186.7
115	57.0	45.8	68.8



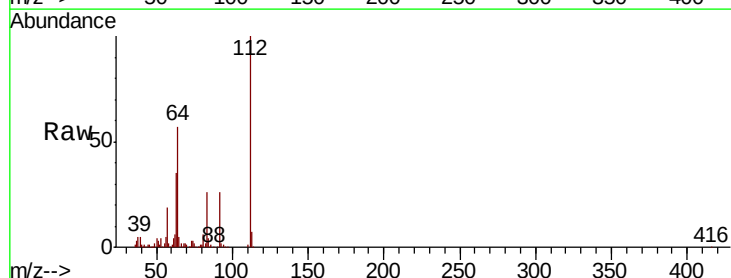
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



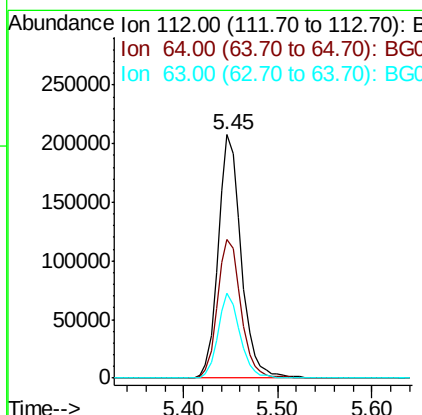
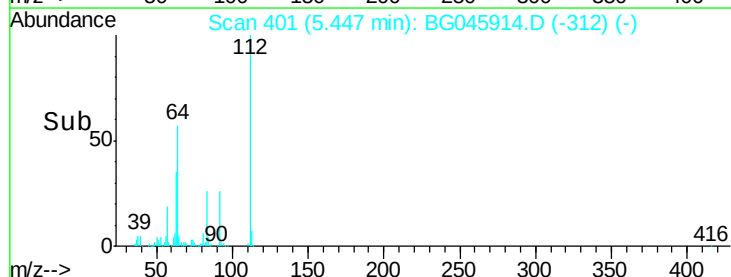
#5

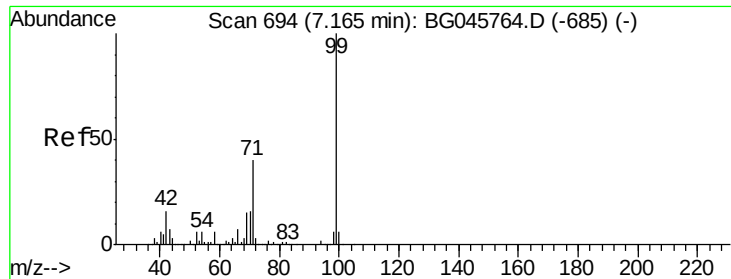
2-Fluorophenol
Concen: 114.752 ng
RT: 5.45 min Scan# 401
Delta R.T. -0.01 min
Lab File: BG045914.D
Acq: 2 Jul 2020 14:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.0	44.9	67.3
63	34.8	26.9	40.3



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 93.989 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

Instrument :

BNA_G

ClientSampleId :

SP2-L

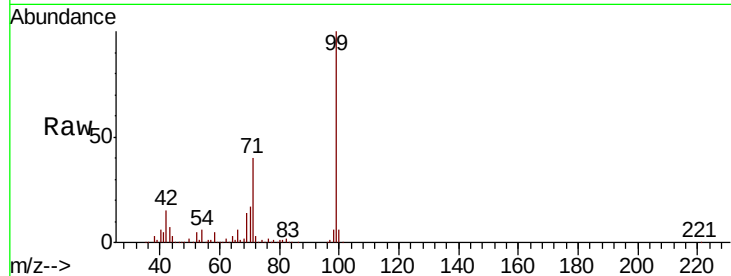
Tot Ion: 99 Resp: 439941

Ion Ratio Lower Upper

99 100

42 14.8 11.8 17.8

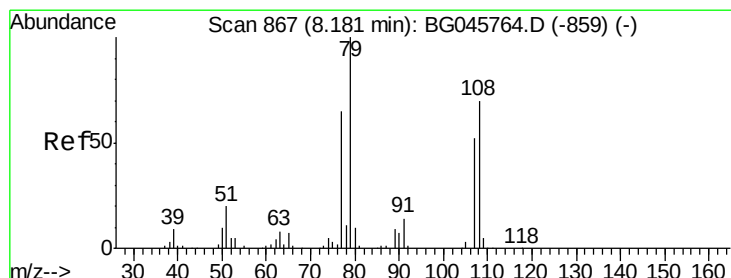
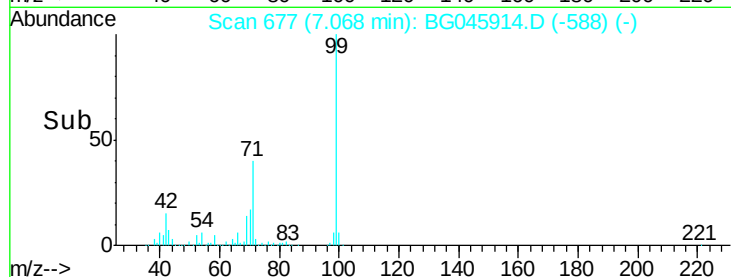
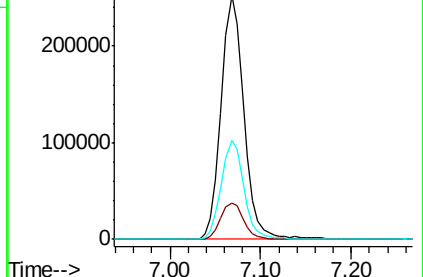
71 40.5 31.0 46.6



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



#15

Benzyl Alcohol

Concen: 2.164 ng

RT: 8.18 min Scan# 867

Delta R.T. 0.07 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

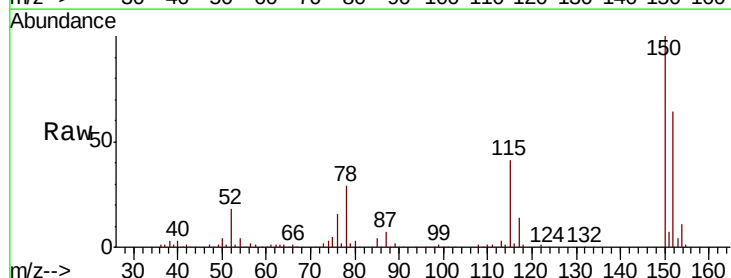
Tgt Ion: 79 Resp: 7838

Ion Ratio Lower Upper

79 100

108 23.8 50.7 76.1#

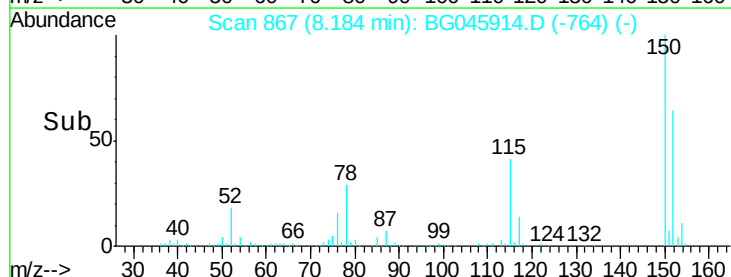
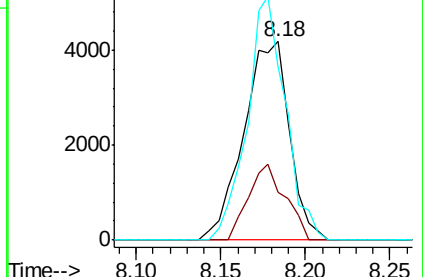
77 87.0 50.4 75.6#

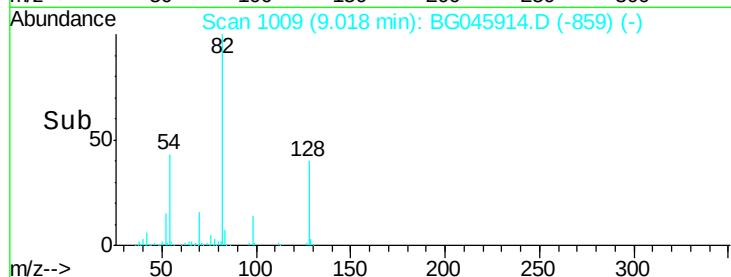
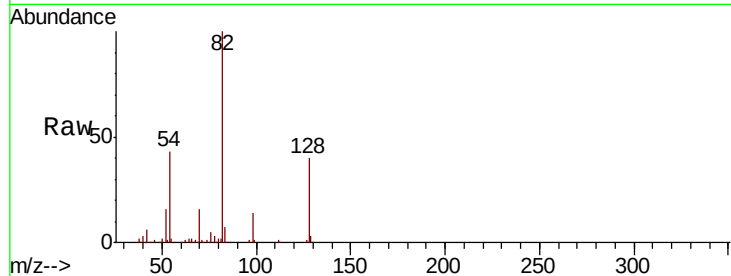
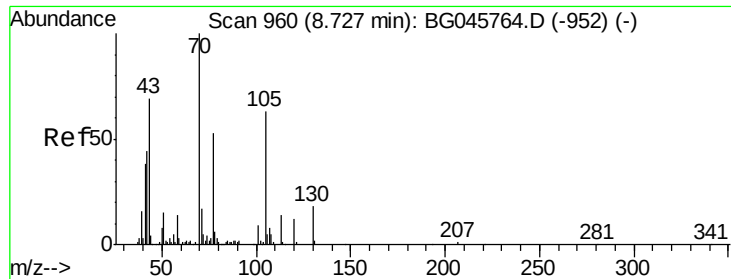


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

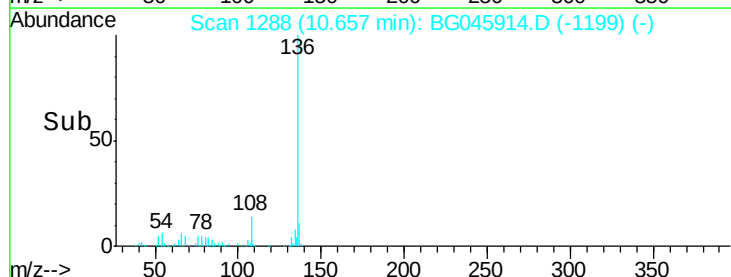
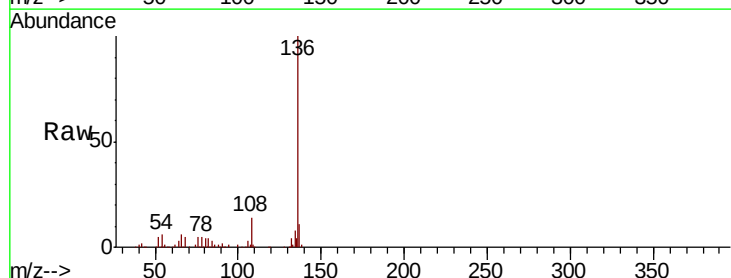
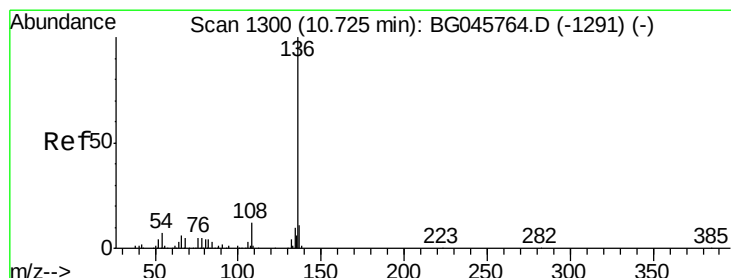
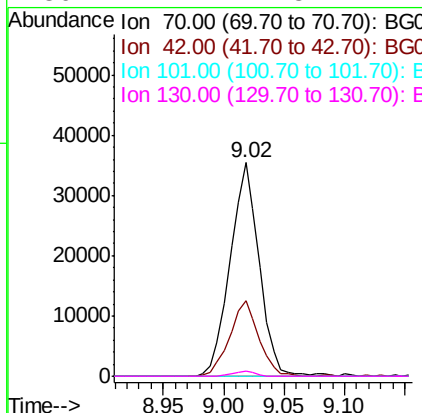




#19
n-Nitroso-di-n-propylamine
Concen: 19.336 ng
RT: 9.02 min Scan# 1009
Delta R.T. 0.35 min
Lab File: BG045914.D
Acq: 2 Jul 2020 14:43

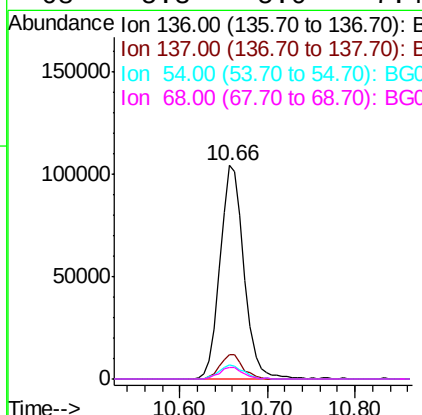
Instrument :
BNA_G
ClientSampleId :
SP2-L

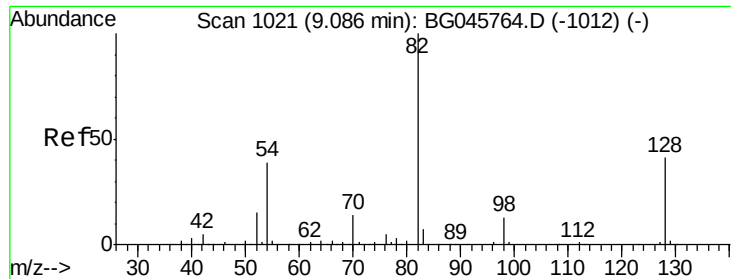
Tot Ion	Ratio	Lower	Upper
70	100		
42	35.5	35.6	53.4#
101	0.0	6.6	10.0#
130	2.1	14.8	22.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.66 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG045914.D
Acq: 2 Jul 2020 14:43

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.2	12.4
54	6.4	4.6	7.0
68	5.3	5.0	7.4

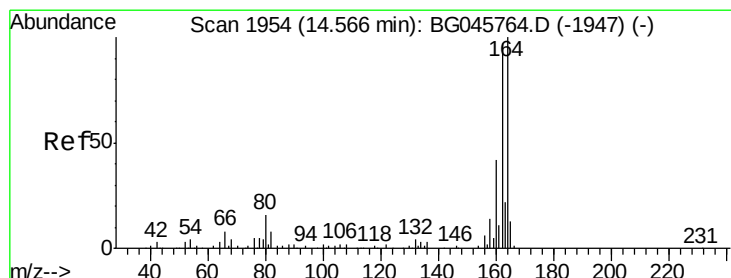
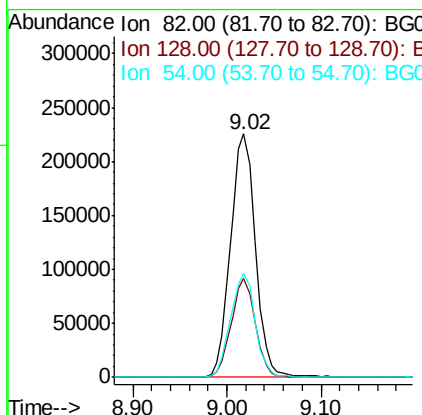
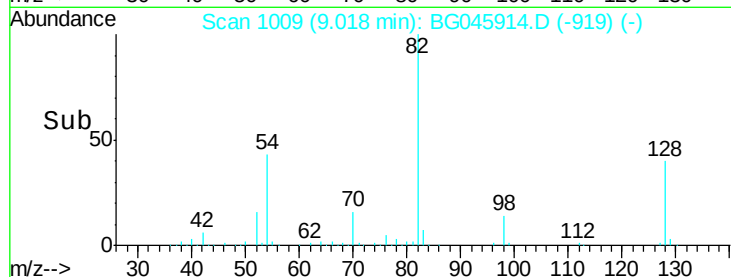
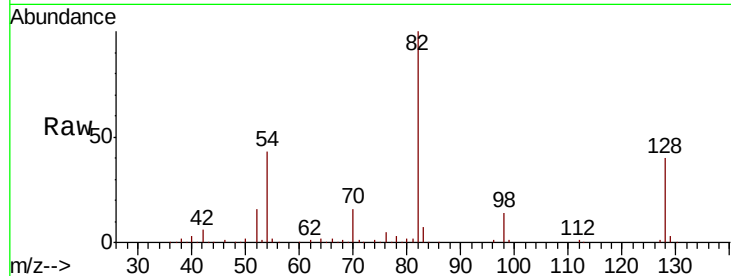




#23
 Nitrobenzene-d5
 Concen: 96.546 ng
 RT: 9.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BG045914.D
 Acq: 2 Jul 2020 14:43

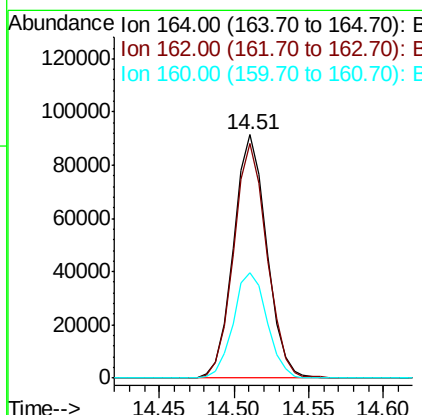
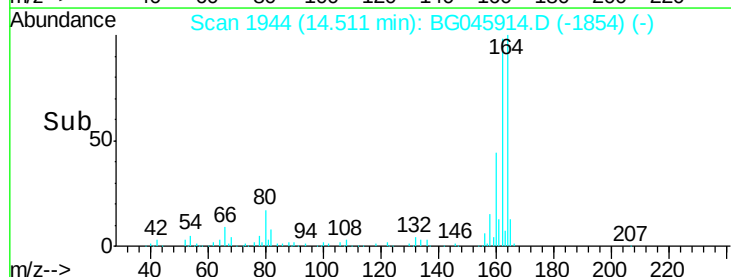
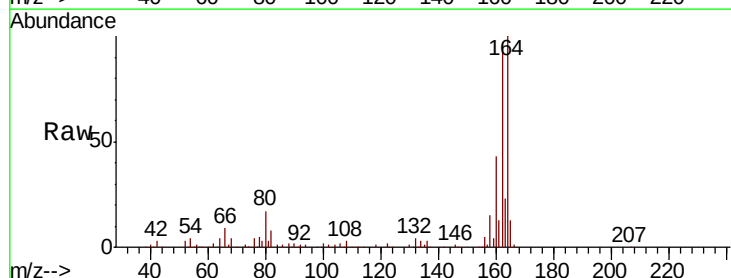
Instrument :
 BNA_G
 ClientSampled :
 SP2-L

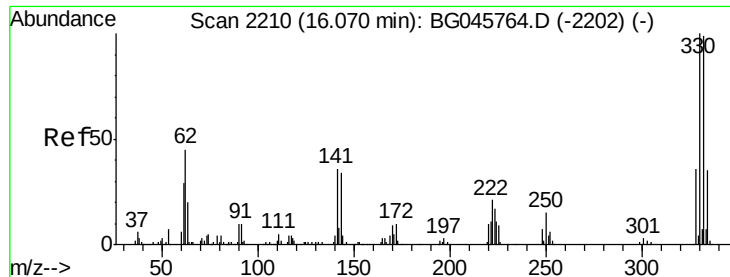
Tot Ion: 82 Resp: 416783
 Ion Ratio Lower Upper
 82 100
 128 40.4 29.9 44.9
 54 42.8 33.3 49.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.51 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: BG045914.D
 Acq: 2 Jul 2020 14:43

Tgt Ion: 164 Resp: 141344
 Ion Ratio Lower Upper
 164 100
 162 96.5 78.8 118.2
 160 43.0 33.8 50.6





#42

2,4,6-Tribromophenol

Concen: 142.839 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.00 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

Instrument :

BNA_G

ClientSampleId :

SP2-L

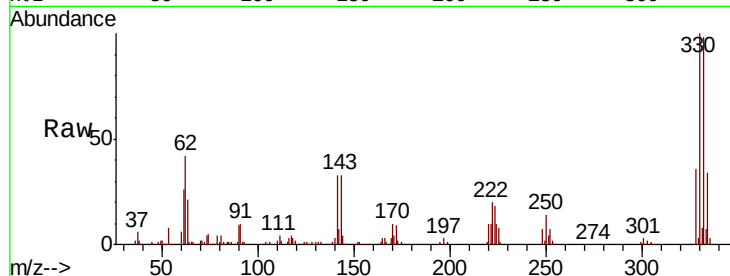
Tot Ion:330 Resp: 304809

Ion Ratio Lower Upper

330 100

332 98.8 79.4 119.0

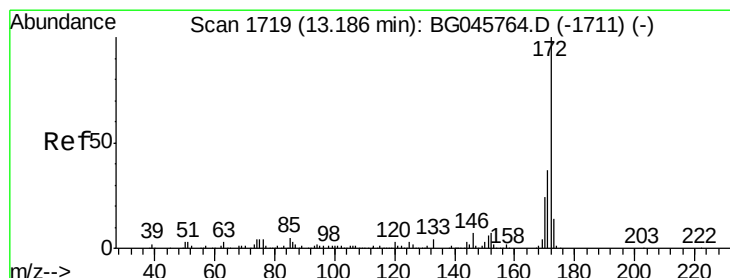
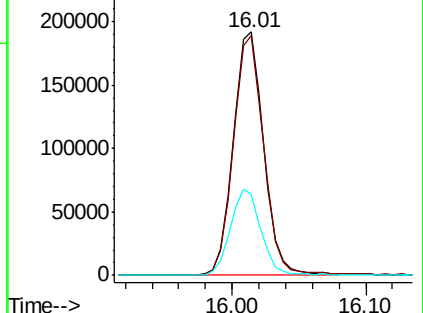
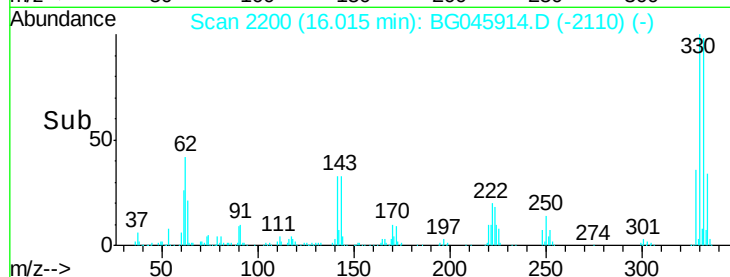
141 35.8 28.2 42.2



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: 100.943 ng

RT: 13.13 min Scan# 1709

Delta R.T. -0.00 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

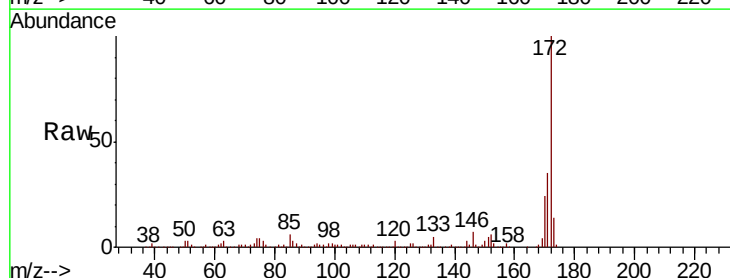
Tgt Ion:172 Resp: 970880

Ion Ratio Lower Upper

172 100

171 35.4 28.5 42.7

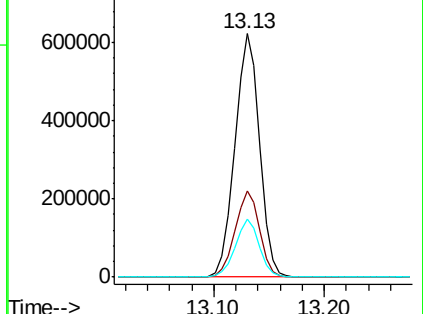
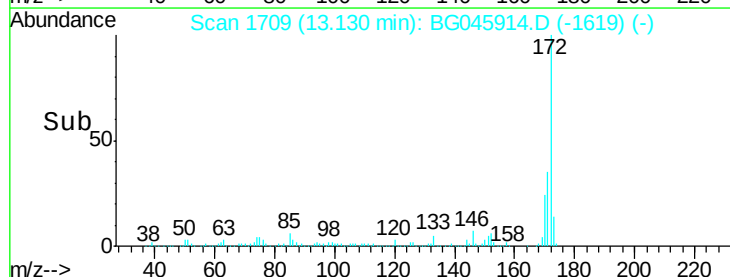
170 23.7 18.9 28.3

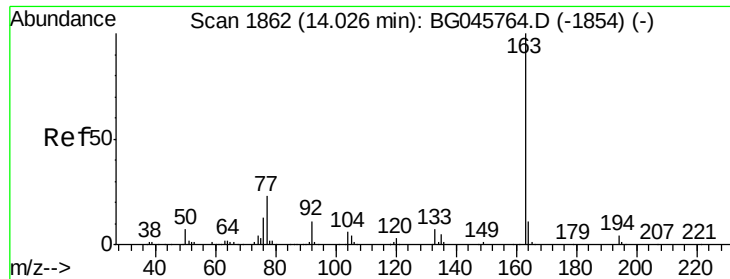


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.255 ng

RT: 13.96 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

Instrument :

BNA_G

ClientSampleId :

SP2-L

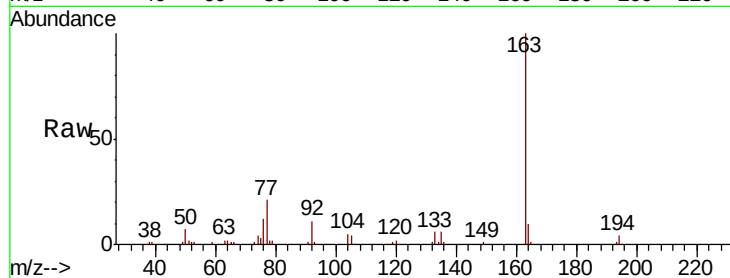
Tot Ion:163 Resp: 91401

Ion Ratio Lower Upper

163 100

194 4.1 3.5 5.3

164 9.7 8.7 13.1

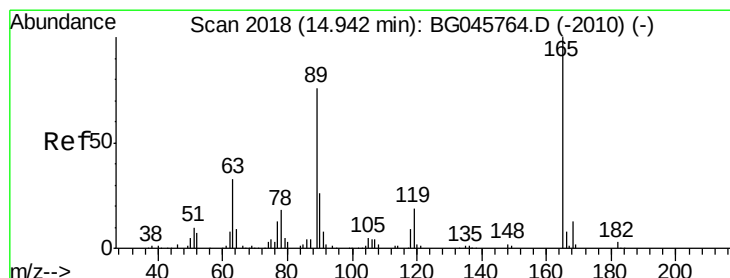
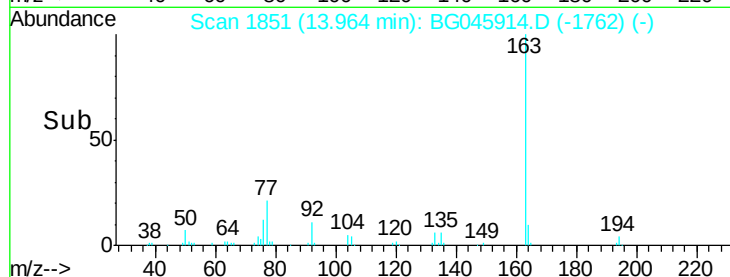


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



#57

2,4-Dinitrotoluene

Concen: 5.162 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.38 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

Tgt Ion:165 Resp: 18393

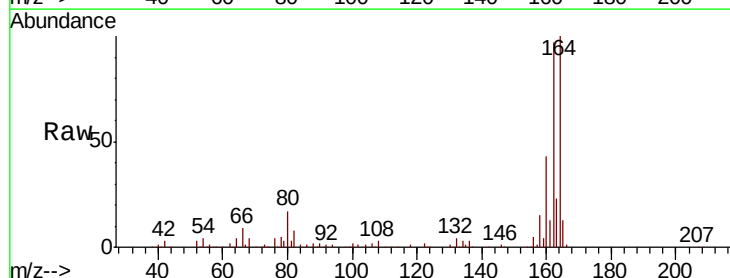
Ion Ratio Lower Upper

165 100

63 1.7 34.5 51.7#

89 2.3 60.8 91.2#

182 0.0 2.3 3.5#



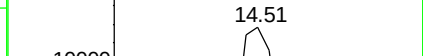
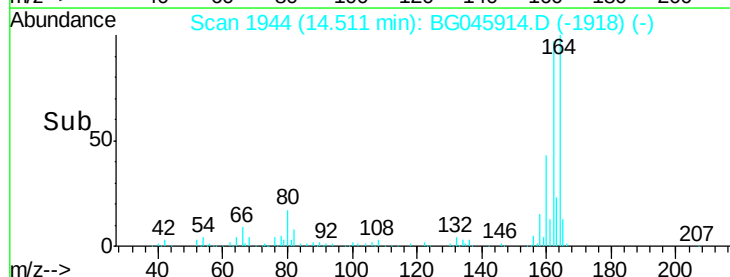
Abundance Ion 165.00 (164.70 to 165.70): E

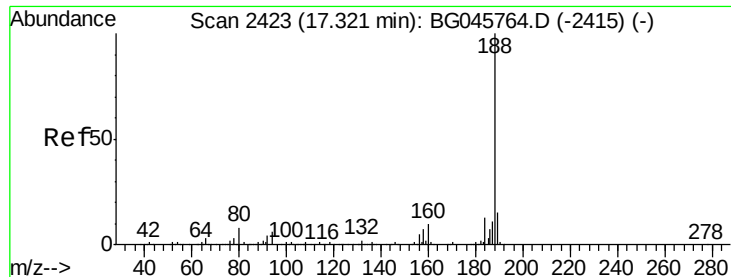
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

Time-->





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.26 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

Instrument :

BNA_G

ClientSampleId :

SP2-L

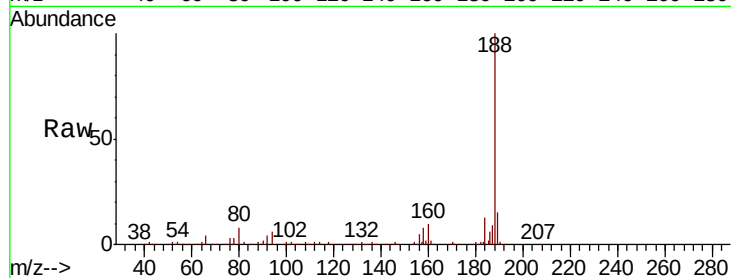
Tot Ion:188 Resp: 332876

Ion Ratio Lower Upper

188 100

94 6.4 5.5 8.3

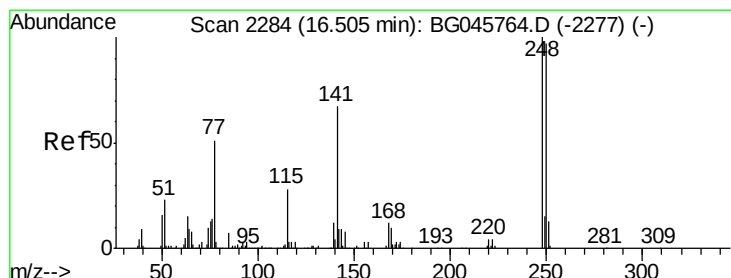
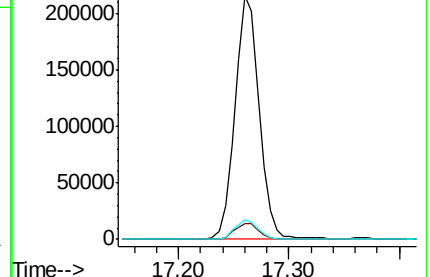
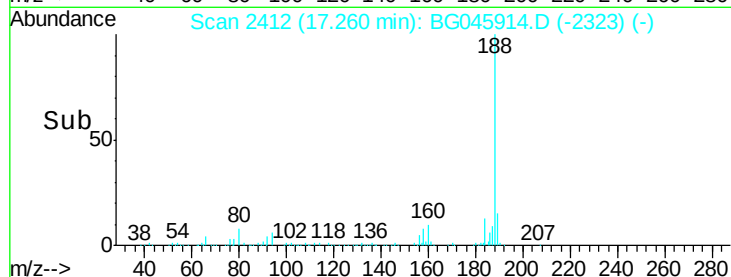
80 8.0 6.1 9.1



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



#67

4-Bromophenyl-phenylether

Concen: 4.796 ng

RT: 16.01 min Scan# 2199

Delta R.T. -0.45 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

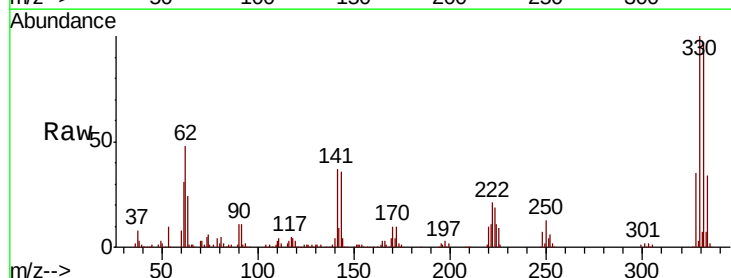
Tgt Ion:248 Resp: 20745

Ion Ratio Lower Upper

248 100

250 183.6 77.2 115.8#

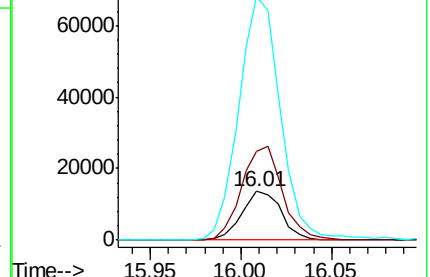
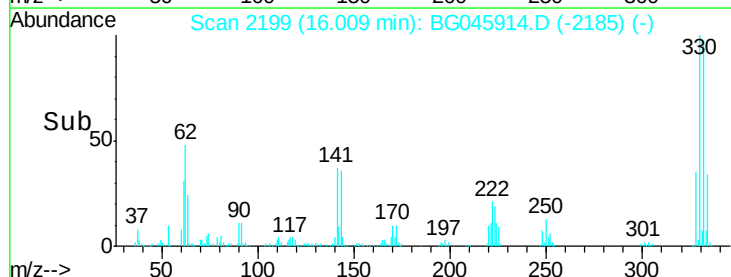
141 502.7 52.6 79.0#

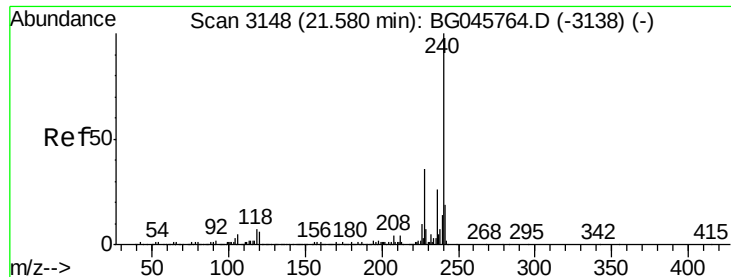


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

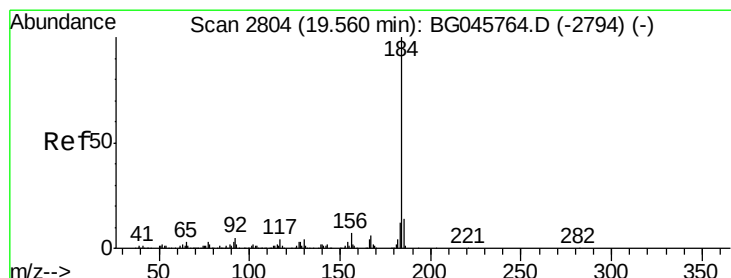
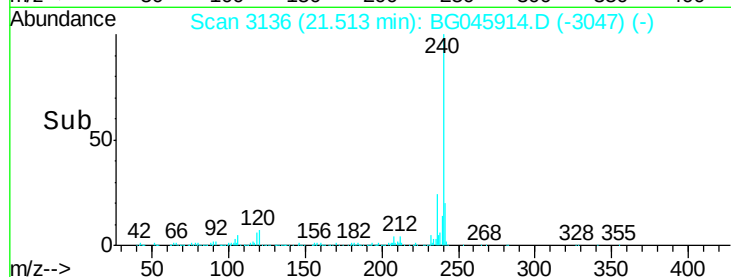
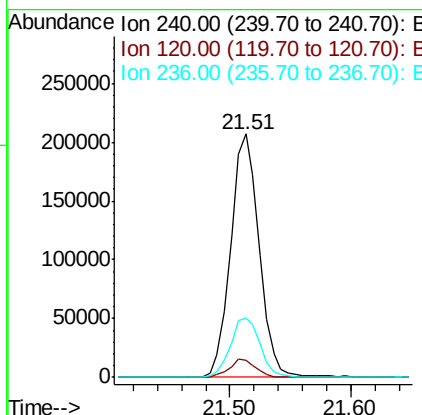
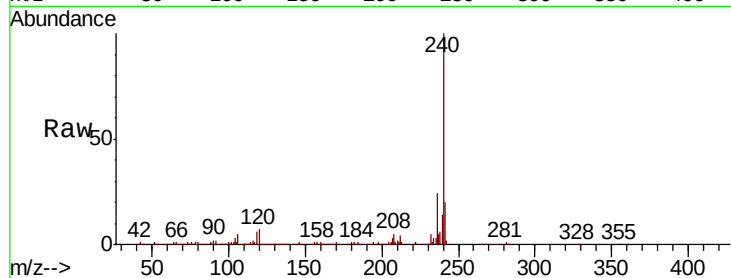




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.51 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BG045914.D
Acq: 2 Jul 2020 14:43

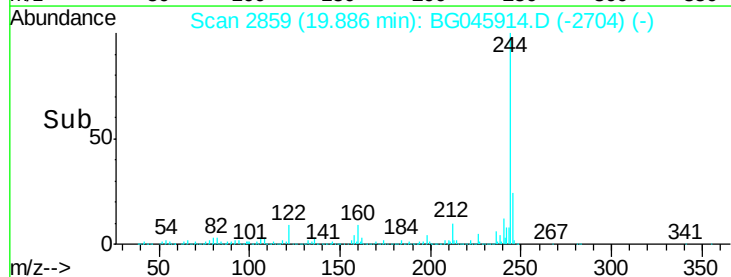
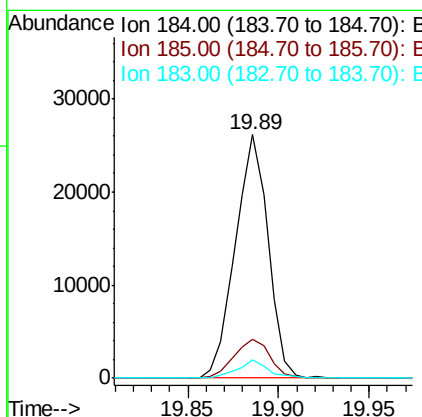
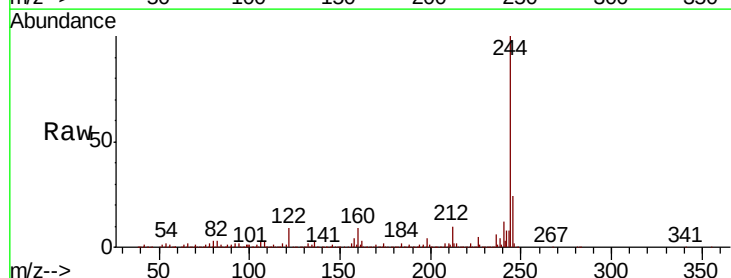
Instrument :
BNA_G
ClientSampled :
SP2-L

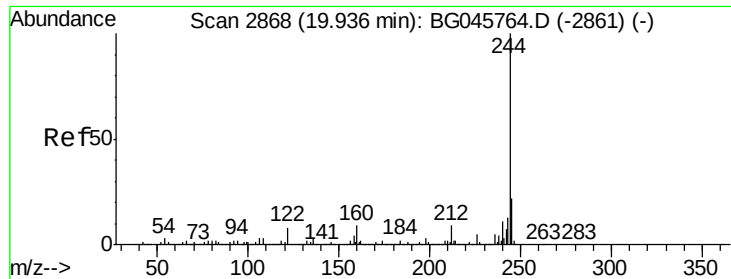
Tot Ion:240 Resp: 340068
Ion Ratio Lower Upper
240 100
120 7.1 5.2 7.8
236 24.3 20.8 31.2



#77
Benzidine
Concen: 3.714 ng
RT: 19.89 min Scan# 2859
Delta R.T. 0.38 min
Lab File: BG045914.D
Acq: 2 Jul 2020 14:43

Tgt Ion:184 Resp: 32836
Ion Ratio Lower Upper
184 100
185 15.8 11.1 16.7
183 7.6 10.6 15.8#





#79

Terphenyl-d14

Concen: 103.714 ng

RT: 19.89 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

Instrument :

BNA_G

ClientSampleId :

SP2-L

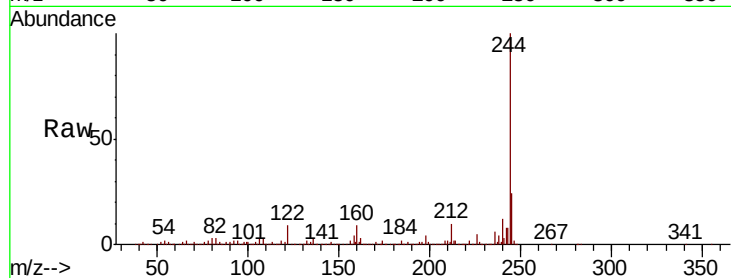
Tot Ion:244 Resp: 1740353

Ion Ratio Lower Upper

244 100

212 10.0 7.0 10.6

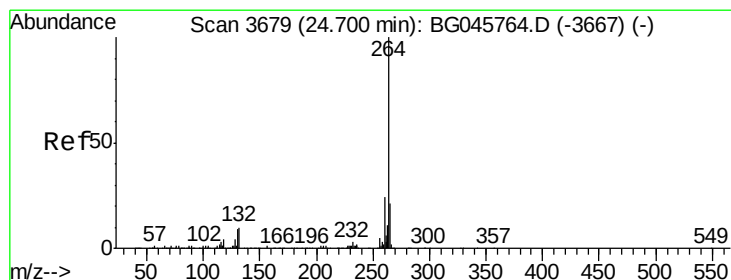
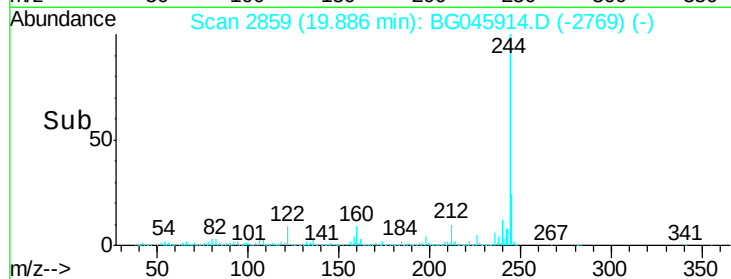
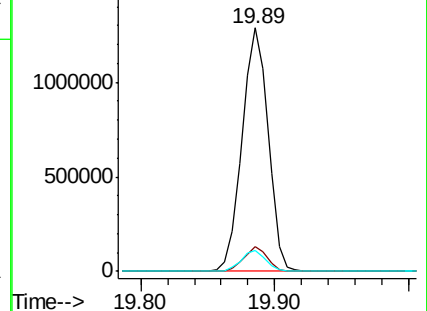
122 8.8 6.6 9.8



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: 24.59 min Scan# 3660

Delta R.T. -0.01 min

Lab File: BG045914.D

Acq: 2 Jul 2020 14:43

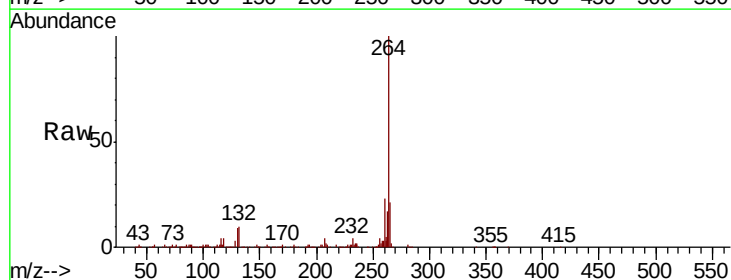
Tgt Ion:264 Resp: 351384

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.0 16.4 24.6



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

