

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\
 Data File : BG046525.D
 Acq On : 3 Sep 2020 20:51
 Operator : CG/JU
 Sample : L3877-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Sep 04 01:23:48 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	83522	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	324942	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	208127	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	479395	20.00	ng	0.00
76) Chrysene-d12	21.55	240	507803	20.00	ng	0.00
86) Perylene-d12	24.65	264	496713	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	518247	109.90	ng	0.00
7) Phenol-d6	7.11	99	605787	90.62	ng	0.00
23) Nitrobenzene-d5	9.09	82	506010	89.00	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	325474	115.42	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1197754	87.85	ng	0.00
79) Terphenyl-d14	19.92	244	1859103	77.91	ng	0.00

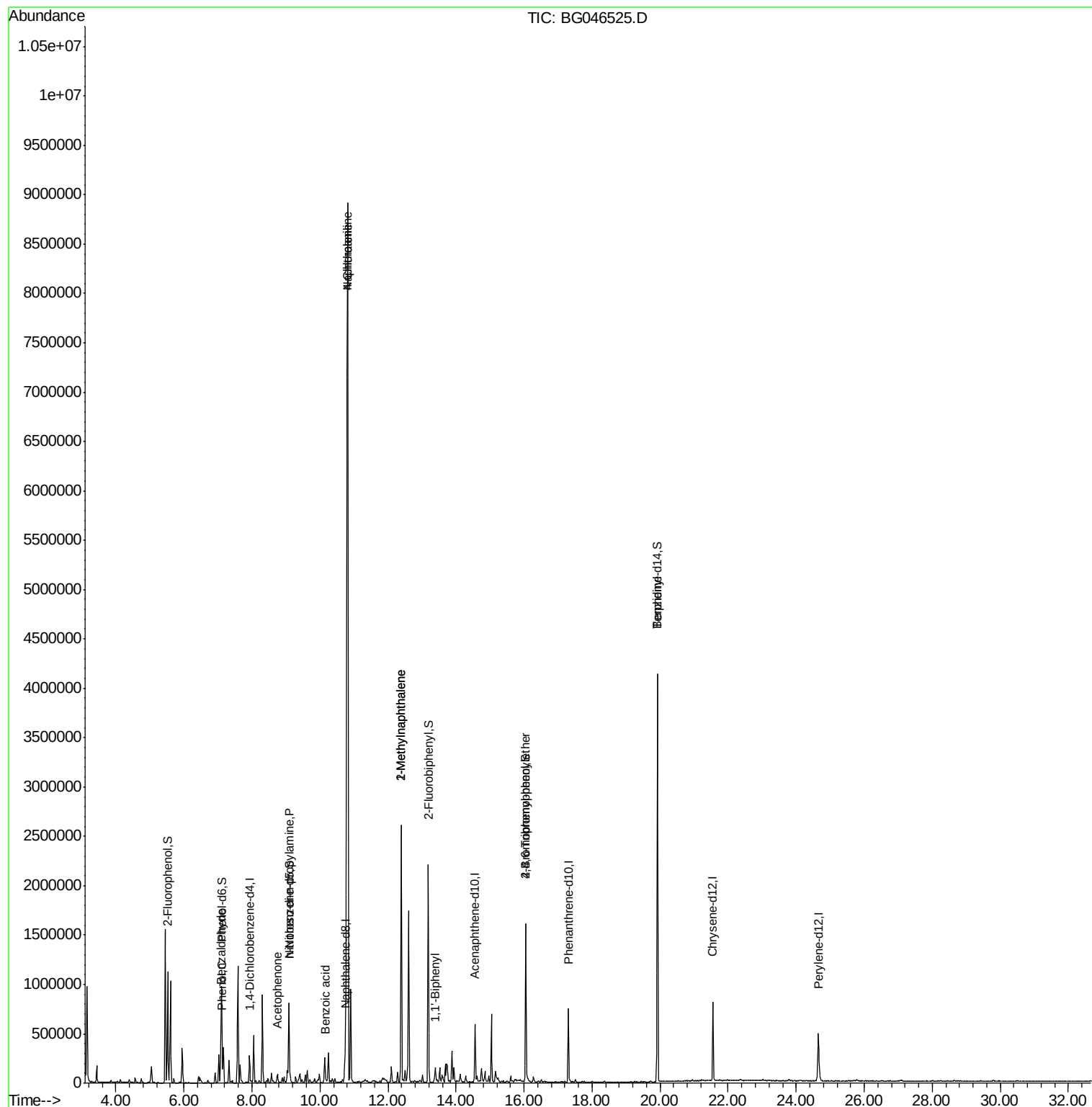
Target Compounds				Qvalue		
9) Benzaldehyde	7.08	77	17599	4.699	ng	# 1
10) Phenol	7.13	94	52575	8.539	ng	94
19) n-Nitroso-di-n-propylamine	9.09	70	66164	16.547	ng	# 76
22) Acetophenone	8.75	105	54871	6.937	ng	# 92
31) Naphthalene	10.82	128	7479190	471.406	ng	# 54
32) Benzoic acid	10.17	122	9162	8.008	ng	# 33
33) 4-Chloroaniline	10.82	127	1894141	270.743	ng	# 38
37) 2-Methylnaphthalene	12.39	142	1317134	105.262	ng	97
38) 1-Methylnaphthalene	12.39	142	1317134	111.126	ng	98
46) 1,1'-Biphenyl	13.39	154	78769	5.440	ng	98
67) 4-Bromophenyl-phenylether	16.05	248	25438	4.548	ng	# 1
77) Benzidine	19.92	184	29824	2.528	ng	# 95

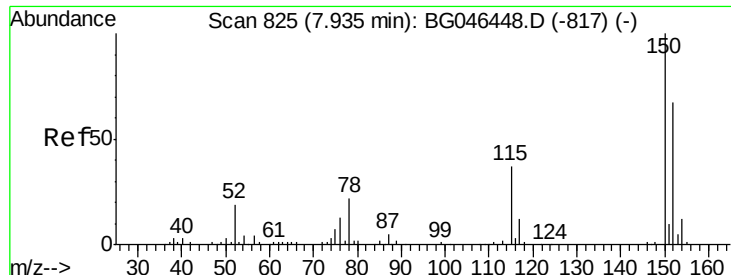
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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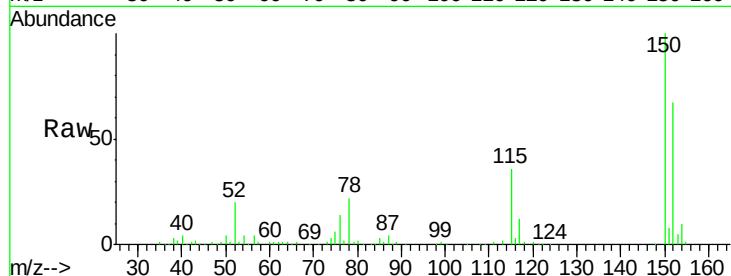


#1

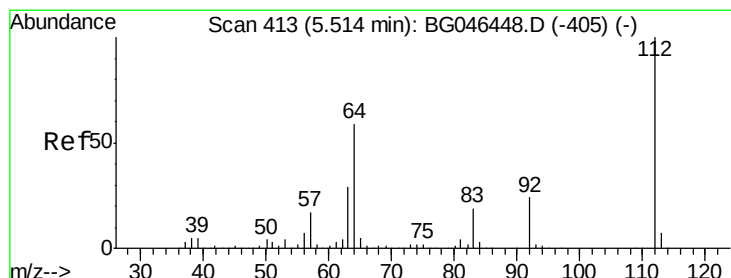
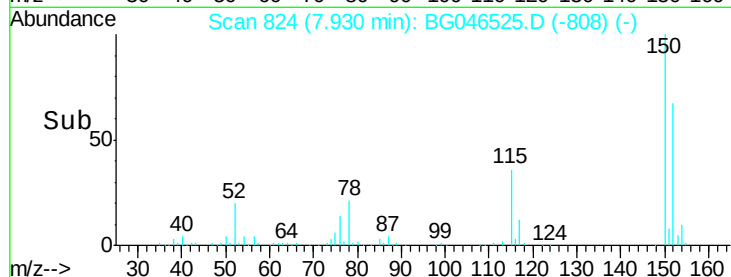
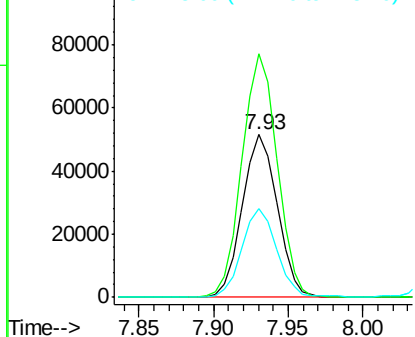
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

Instrument :
BNA_G
ClientSampled :
TP-1

Tot Ion:152 Resp: 83522
Ion Ratio Lower Upper
152 100
150 149.9 119.5 179.3
115 54.7 44.3 66.5



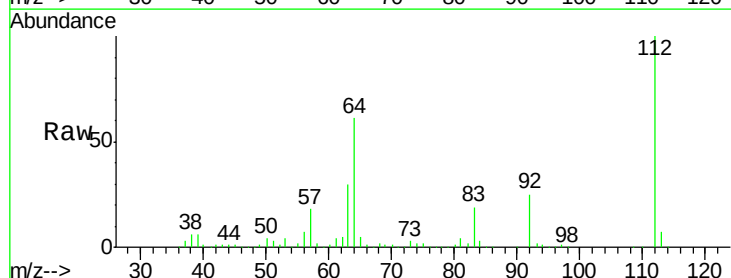
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



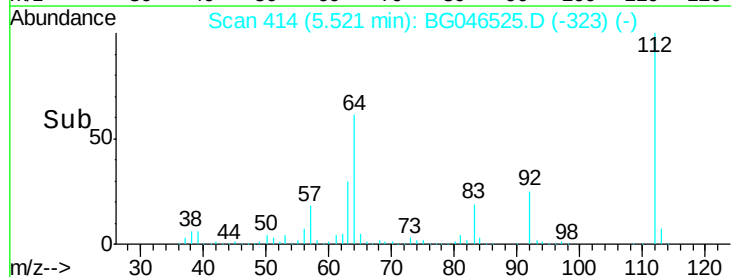
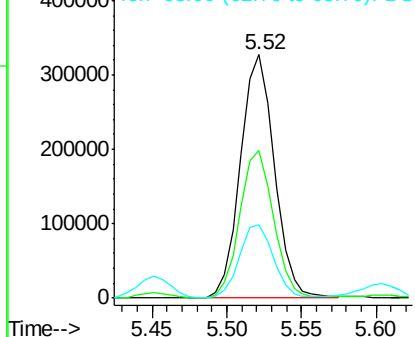
#5

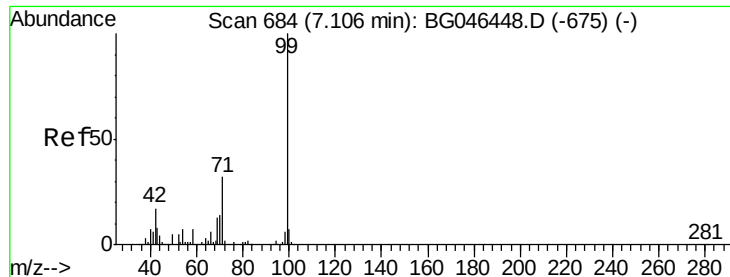
2-Fluorophenol
Concen: 109.901 ng
RT: 5.52 min Scan# 414
Delta R.T. 0.01 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

Tgt Ion:112 Resp: 518247
Ion Ratio Lower Upper
112 100
64 60.8 47.0 70.6
63 30.0 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: 90.621 ng

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TP-1

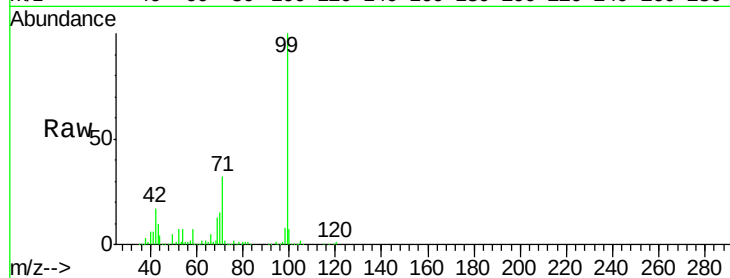
Tot Ion: 99 Resp: 605787

Ion Ratio Lower Upper

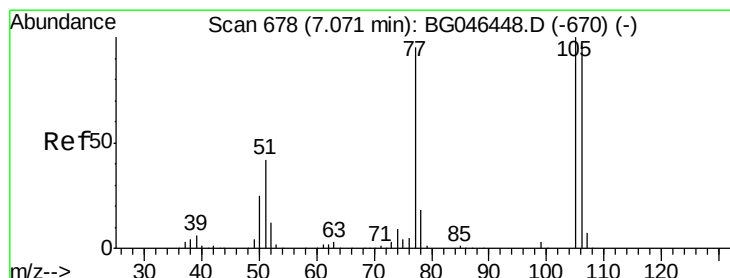
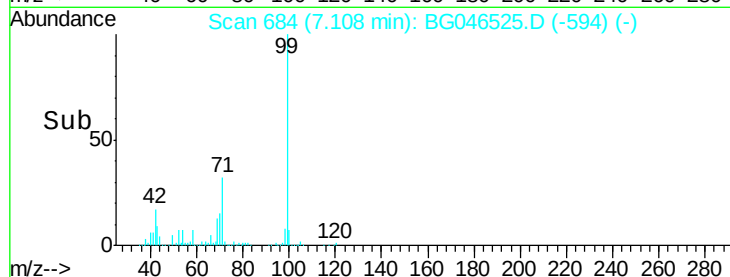
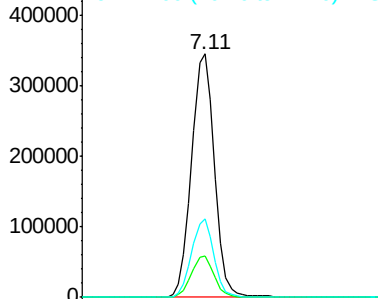
99 100

42 16.7 13.3 19.9

71 32.2 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



#9

Benzaldehyde

Concen: 4.699 ng

RT: 7.08 min Scan# 680

Delta R.T. 0.02 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

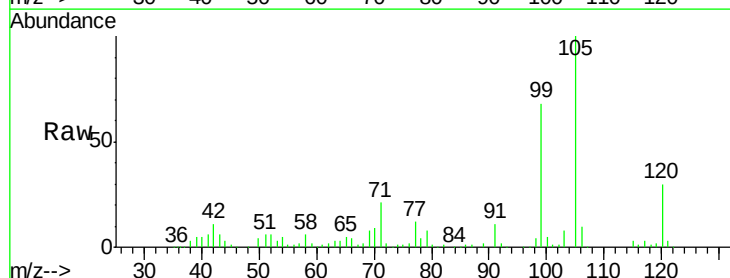
Tgt Ion: 77 Resp: 17599

Ion Ratio Lower Upper

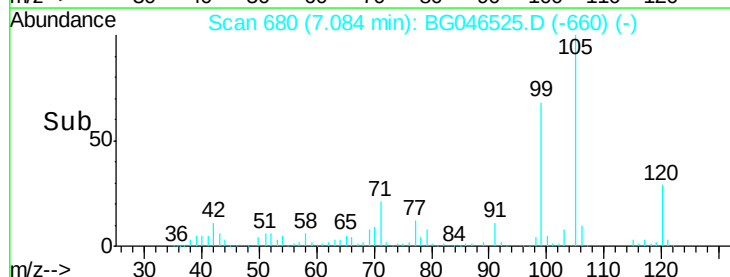
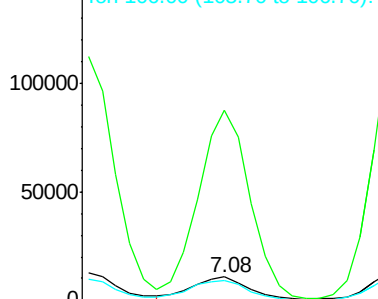
77 100

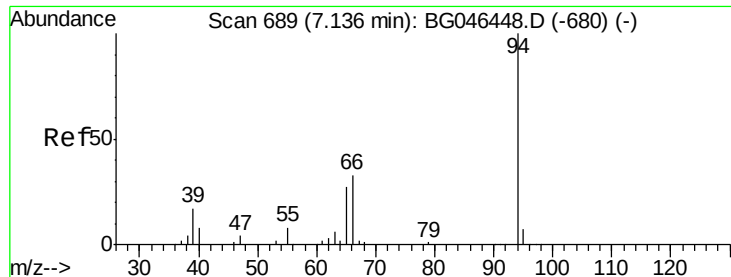
105 824.8 85.6 125.6#

106 83.3 80.8 120.8



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC





#10

Phenol

Concen: 8.539 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.00 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

Instrument :

BNA_G

ClientSampled :

TP-1

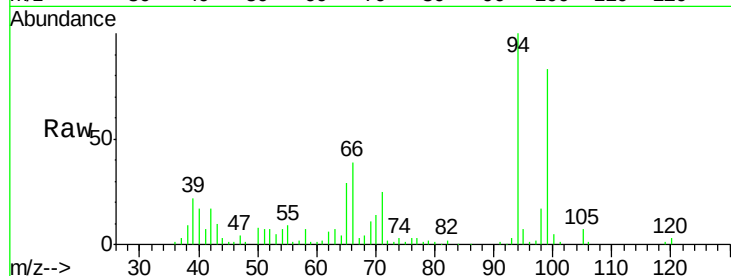
Tot Ion: 94 Resp: 52575

Ion Ratio Lower Upper

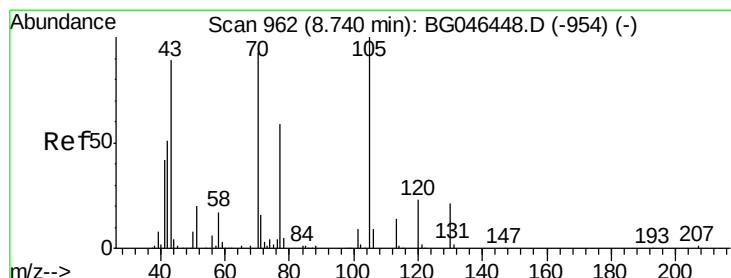
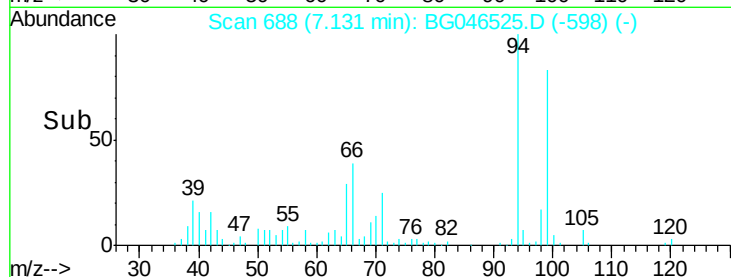
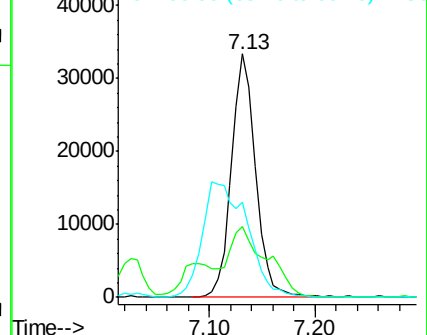
94 100

65 29.0 7.5 47.5

66 39.1 14.1 54.1



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.547 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

Tgt Ion: 70 Resp: 66164

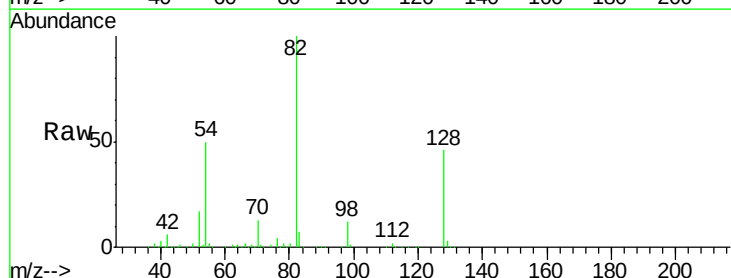
Ion Ratio Lower Upper

70 100

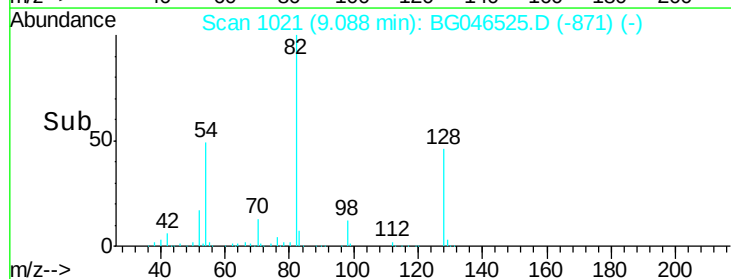
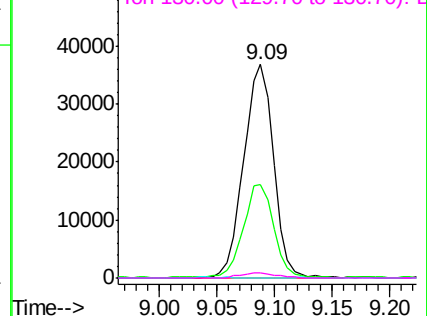
42 43.5 44.2 66.2#

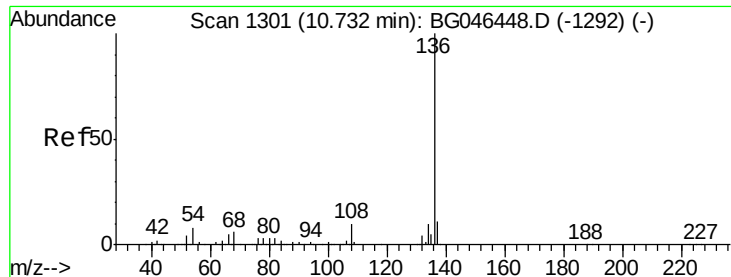
101 0.0 7.8 11.8#

130 2.2 18.2 27.4#



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

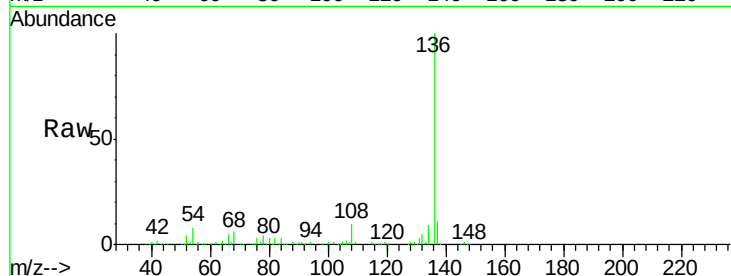




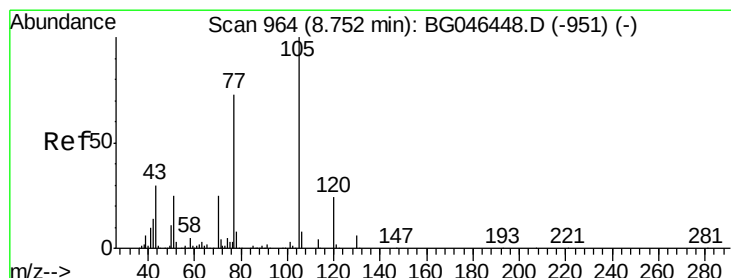
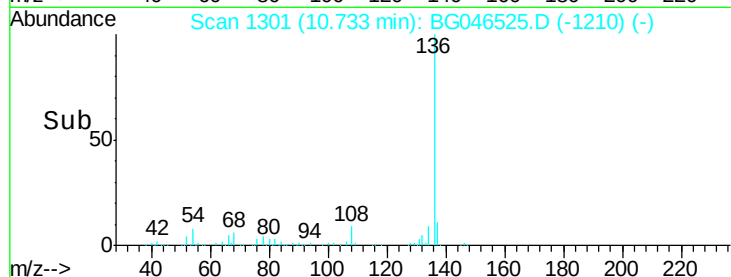
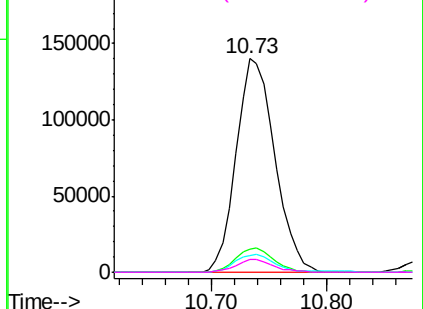
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. 0.01 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

Instrument :
BNA_G
ClientSampleId :
TP-1

Tot Ion:136	Resp:	324942	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	8.8	13.2	
54 8.1	6.1	9.1	
68 5.7	4.8	7.2	

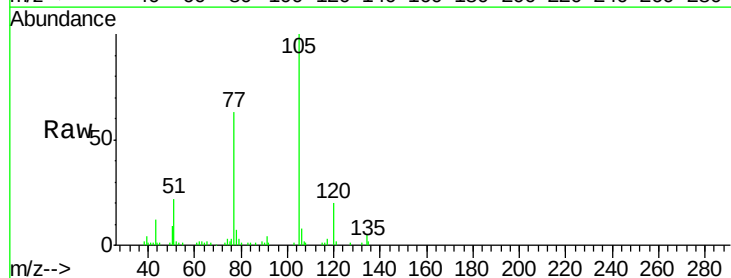


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

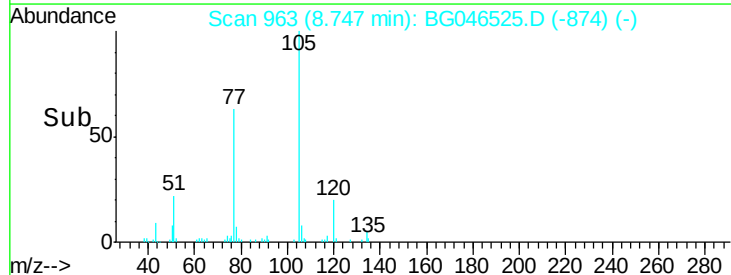
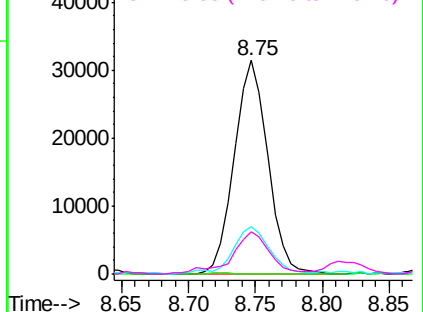


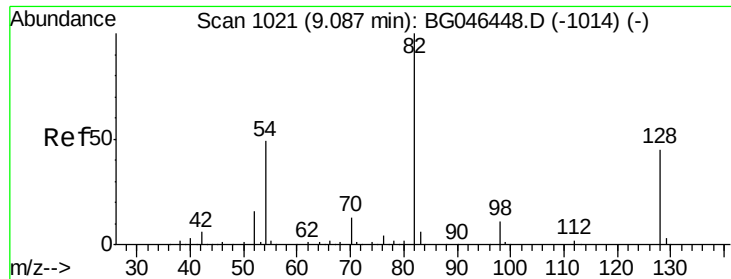
#22
Acetophenone
Concen: 6.937 ng
RT: 8.75 min Scan# 963
Delta R.T. -0.00 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

Tgt	Ion:105	Resp:	54871
Ion	Ratio	Lower	Upper
105	100		
71	0.0	3.3	4.9#
51	22.3	20.6	31.0
120	20.0	19.0	28.6



Abundance Ion 105.00 (104.70 to 105.70): E
Ion 71.00 (70.70 to 71.70): BGC
Ion 51.00 (50.70 to 51.70): BGC
Ion 120.00 (119.70 to 120.70): E

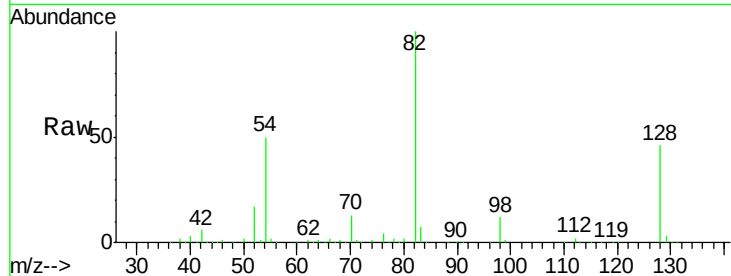




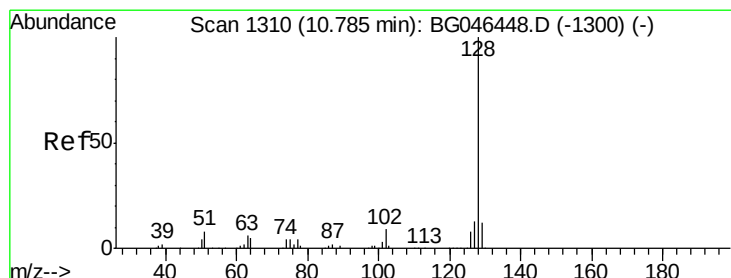
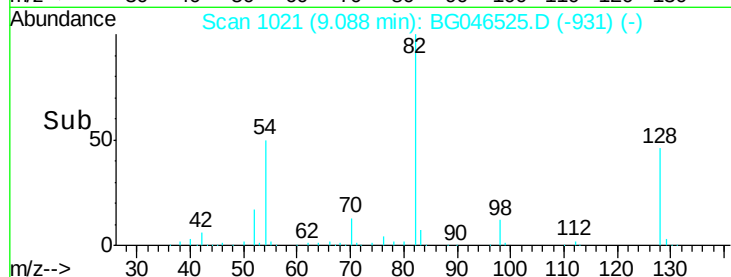
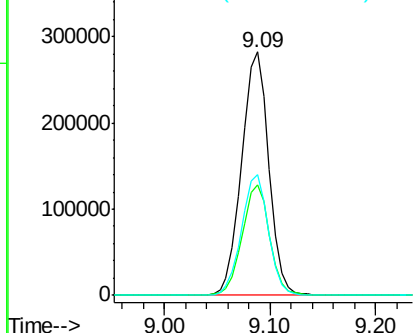
#23
Nitrobenzene-d5
Concen: 89.004 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

Instrument :
BNA_G
ClientSampled :
TP-1

Tot Ion: 82 Resp: 506010
Ion Ratio Lower Upper
82 100
128 45.6 35.7 53.5
54 49.6 39.4 59.0

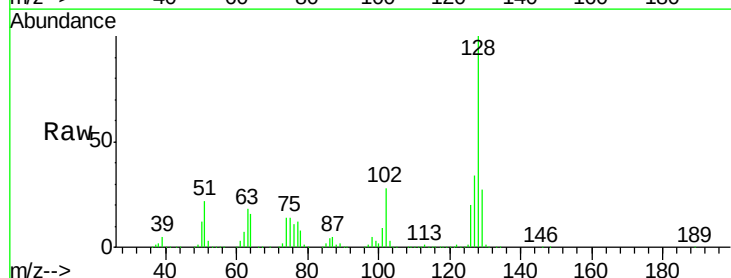


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

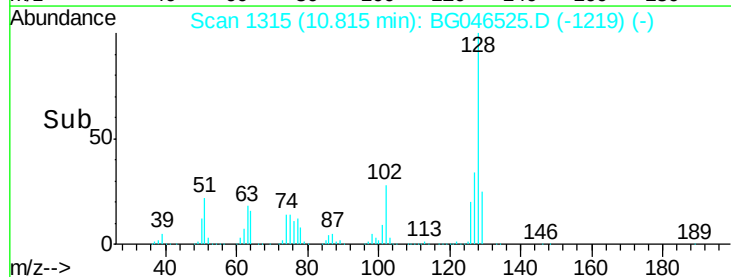
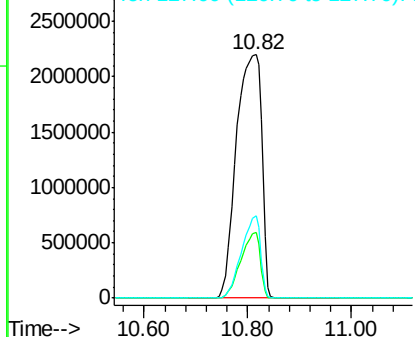


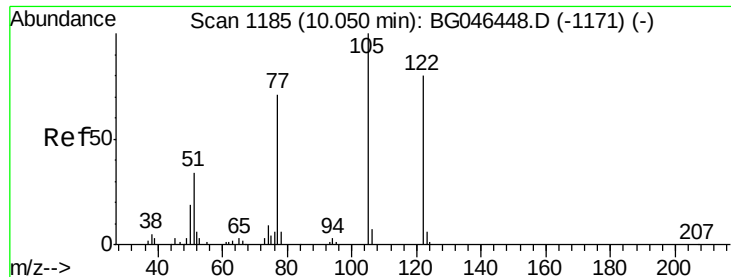
#31
Naphthalene
Concen: 471.406 ng
RT: 10.82 min Scan# 1315
Delta R.T. 0.04 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

Tgt Ion: 128 Resp: 7479190
Ion Ratio Lower Upper
128 100
129 26.8 9.2 13.8#
127 33.9 10.7 16.1#



Abundance Ion 128.00 (127.70 to 128.70): BGC
Ion 129.00 (128.70 to 129.70): BGC
Ion 127.00 (126.70 to 127.70): BGC

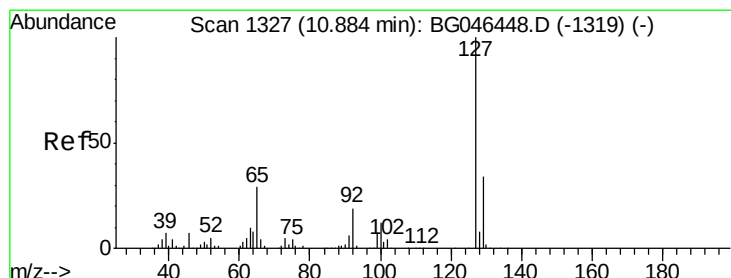
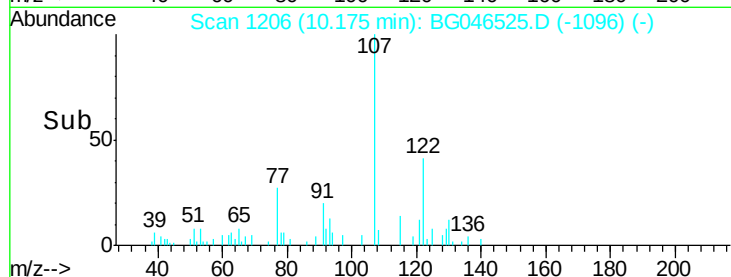
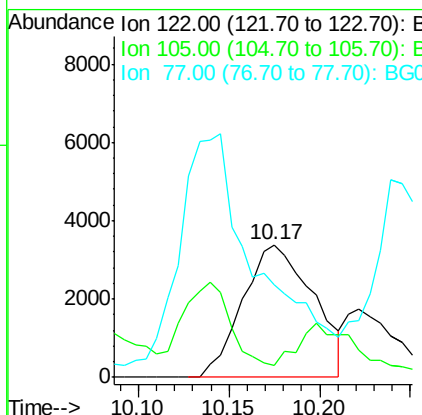
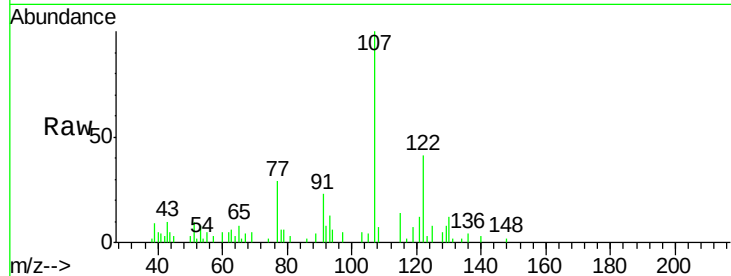




#32
Benzoic acid
Concen: 8.008 ng
RT: 10.17 min Scan# 1206
Delta R.T. 0.12 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

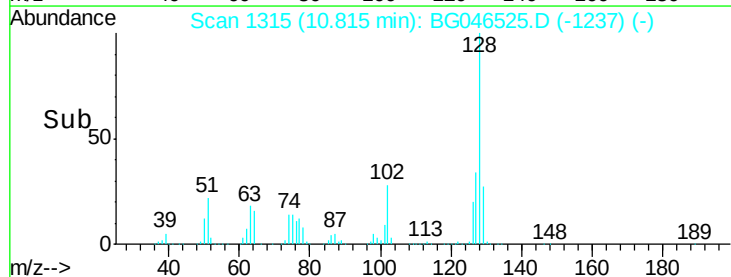
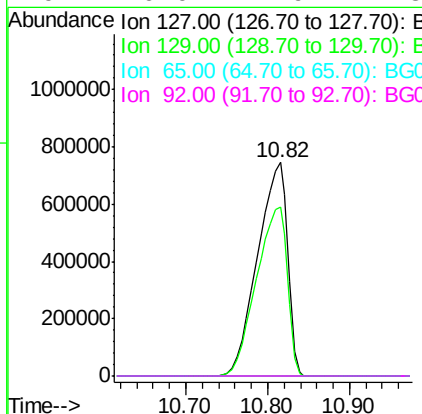
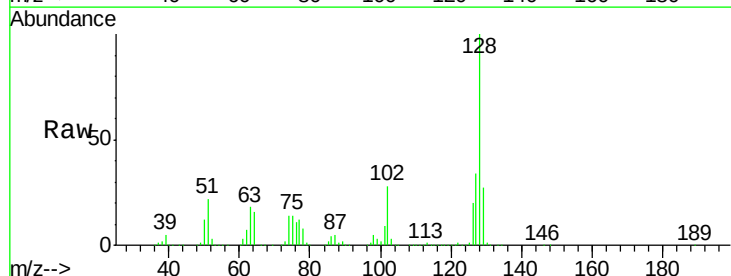
Instrument :
BNA_G
ClientSampled :
TP-1

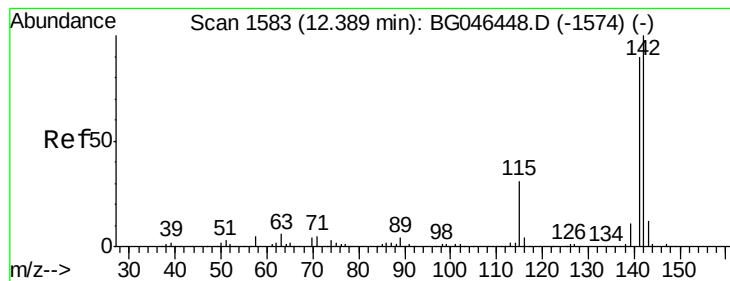
Tot Ion:122 Resp: 9162
Ion Ratio Lower Upper
122 100
105 9.4 102.5 142.5#
77 70.2 68.2 108.2



#33
4-Chloroaniline
Concen: 270.743 ng
RT: 10.82 min Scan# 1315
Delta R.T. -0.07 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

Tgt Ion:127 Resp: 1894141
Ion Ratio Lower Upper
127 100
129 79.2 27.0 40.4#
65 0.0 23.5 35.3#
92 0.0 14.9 22.3#





#37

2-Methylnaphthalene

Concen: 105.262 ng

RT: 12.39 min Scan# 1583

Delta R.T. 0.00 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TP-1

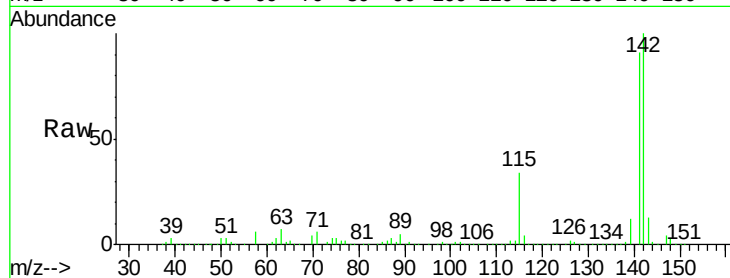
Tot Ion:142 Resp: 1317134

Ion Ratio Lower Upper

142 100

141 91.4 72.1 108.1

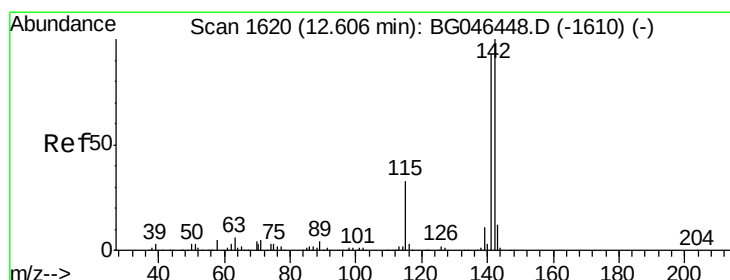
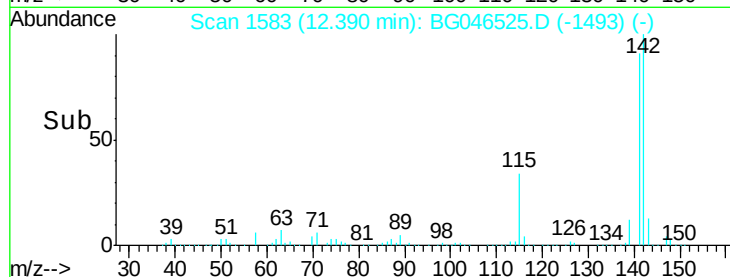
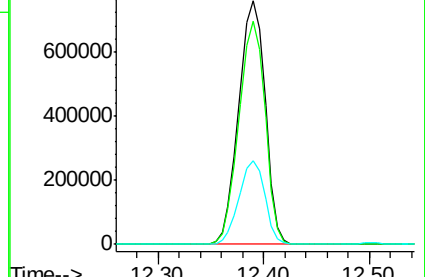
115 34.4 24.9 37.3



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 111.126 ng

RT: 12.39 min Scan# 1583

Delta R.T. -0.22 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

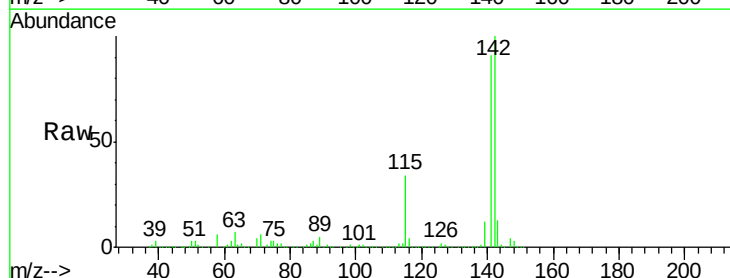
Tgt Ion:142 Resp: 1317134

Ion Ratio Lower Upper

142 100

141 91.4 74.7 112.1

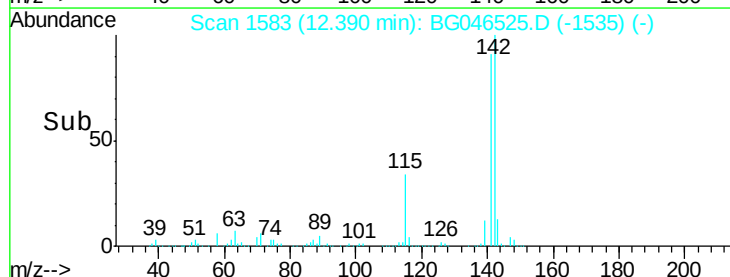
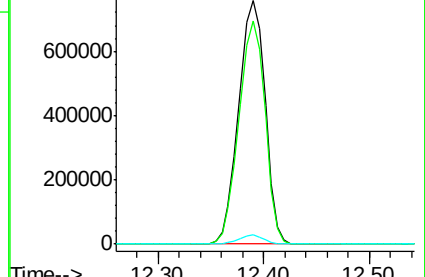
116 3.8 2.6 4.0

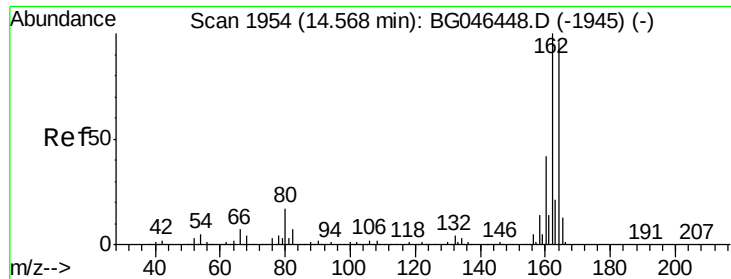


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

Instrument :

BNA_G

ClientSampleId :

TP-1

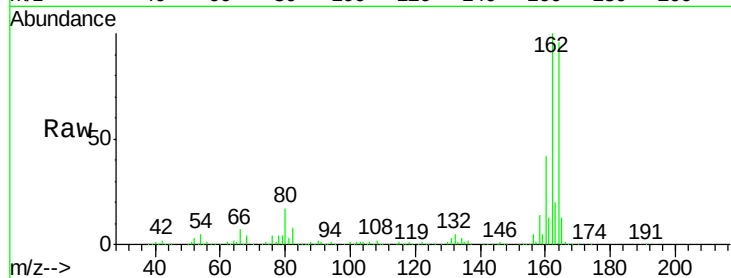
Tot Ion:164 Resp: 208127

Ion Ratio Lower Upper

164 100

162 103.8 83.3 124.9

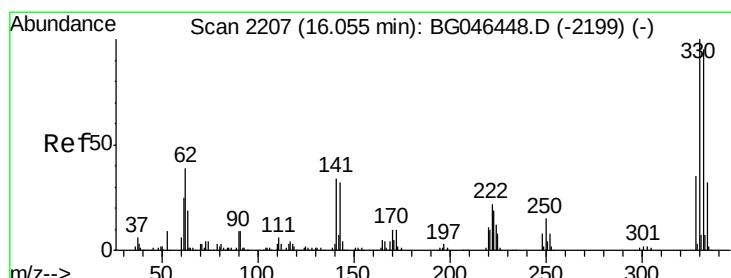
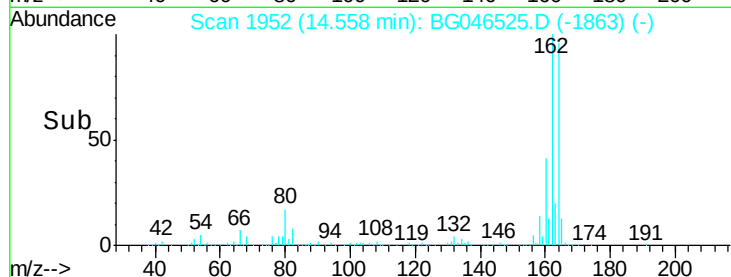
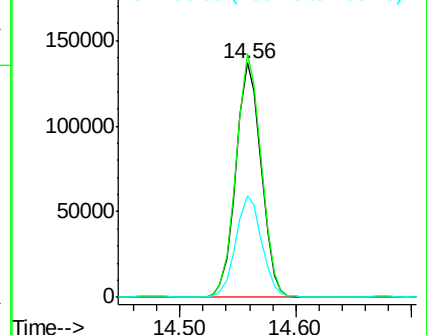
160 43.6 35.0 52.6



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: 115.417 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

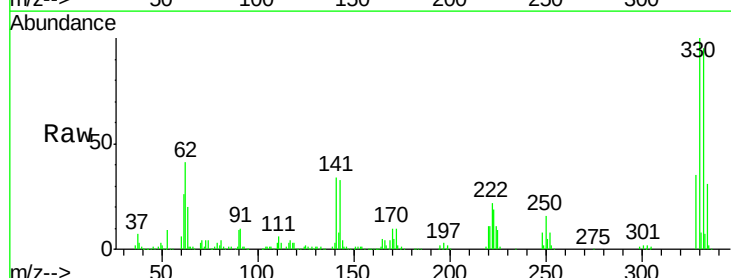
Tgt Ion:330 Resp: 325474

Ion Ratio Lower Upper

330 100

332 95.7 76.1 114.1

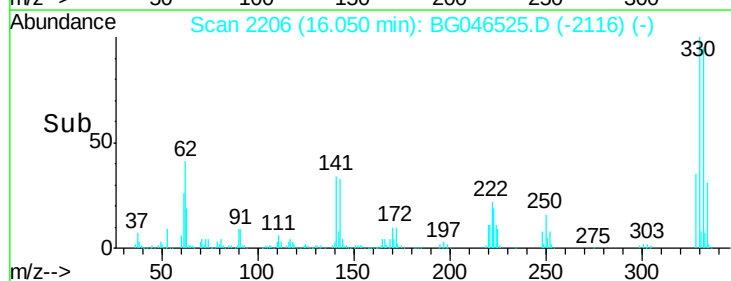
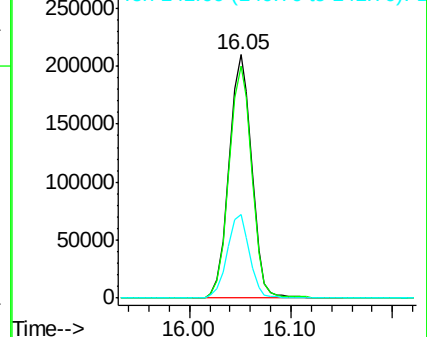
141 34.1 26.1 39.1

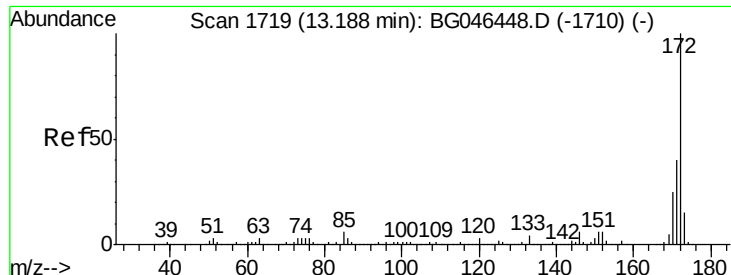


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



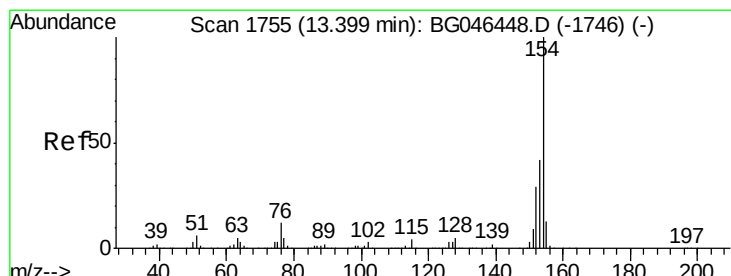
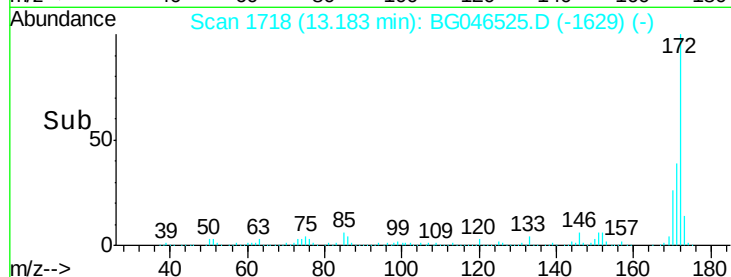
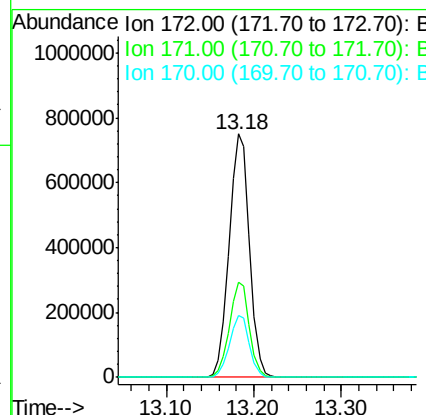
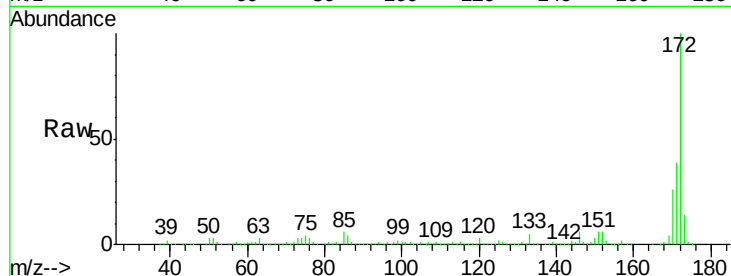


#45
 2-Fluorobiphenyl
 Concen: 87.852 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046525.D
 Acq: 3 Sep 2020 20:51

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tot Ion:172 Resp: 1197754

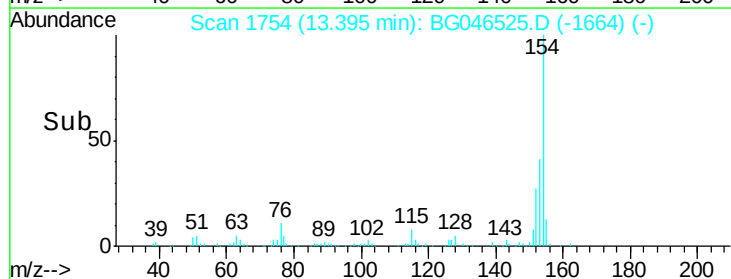
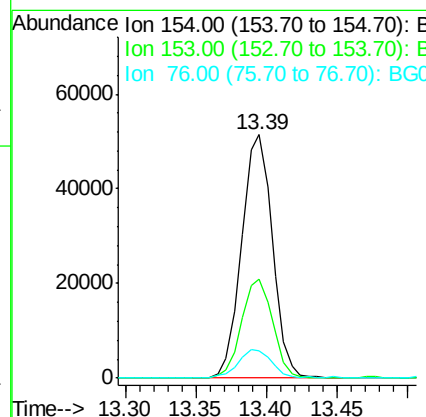
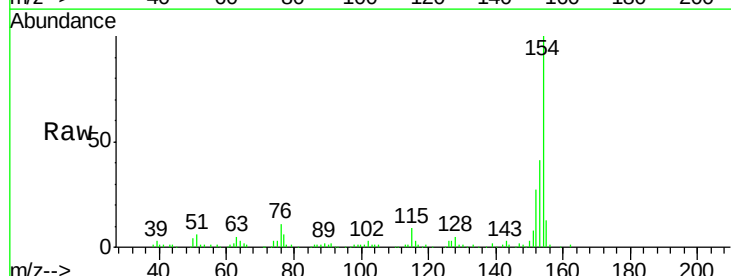
Ion	Ratio	Lower	Upper
172	100		
171	39.2	31.8	47.6
170	25.6	20.3	30.5

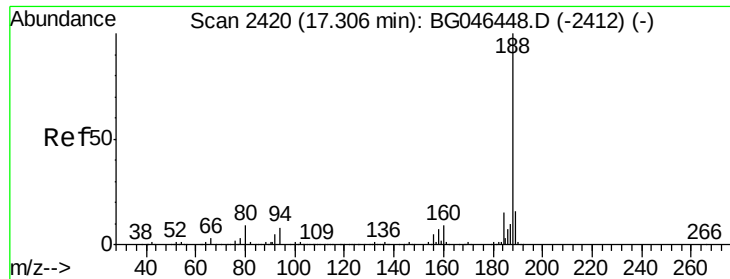


#46
 1,1'-Biphenyl
 Concen: 5.440 ng
 RT: 13.39 min Scan# 1754
 Delta R.T. 0.00 min
 Lab File: BG046525.D
 Acq: 3 Sep 2020 20:51

Tgt Ion:154 Resp: 78769

Ion	Ratio	Lower	Upper
154	100		
153	40.6	22.0	62.0
76	11.3	0.0	32.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2419

Delta R.T. -0.00 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

Instrument :

BNA_G

ClientSampled :

TP-1

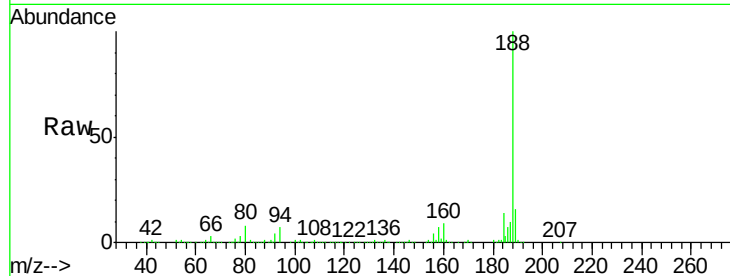
Tot Ion:188 Resp: 479395

Ion Ratio Lower Upper

188 100

94 7.4 6.3 9.5

80 8.3 6.9 10.3

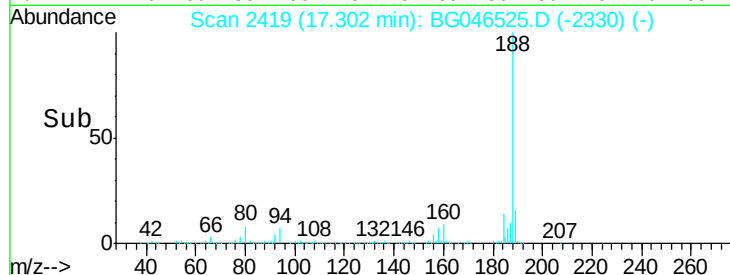


Abundance Ion 188.00 (187.70 to 188.70): E

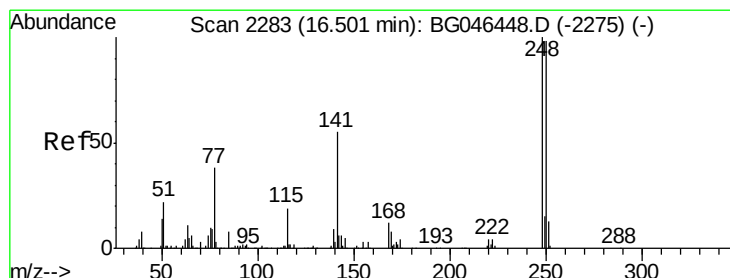
Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

Time-->



Time-->



#67

4-Bromophenyl-phenylether

Concen: 4.548 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046525.D

Acq: 3 Sep 2020 20:51

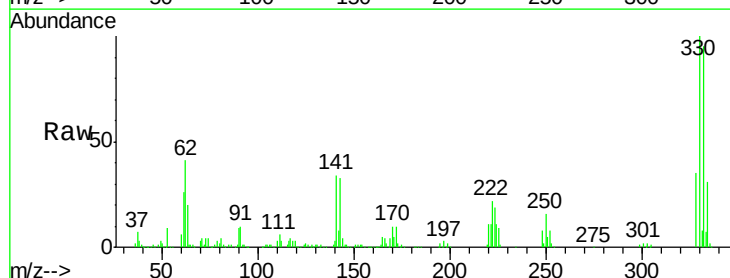
Tgt Ion:248 Resp: 25438

Ion Ratio Lower Upper

248 100

250 190.2 78.6 118.0#

141 421.0 43.9 65.9#

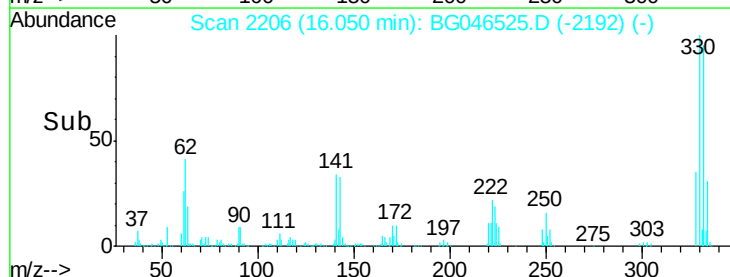


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

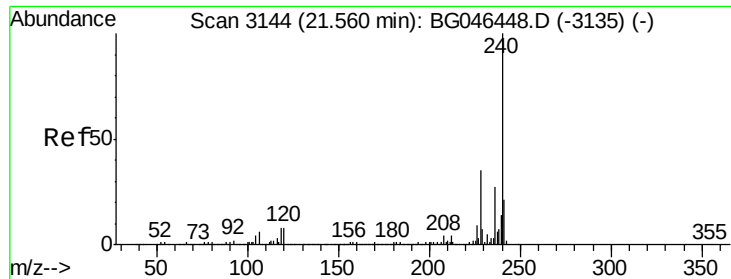
Ion 141.00 (140.70 to 141.70): E

Time-->



Time-->

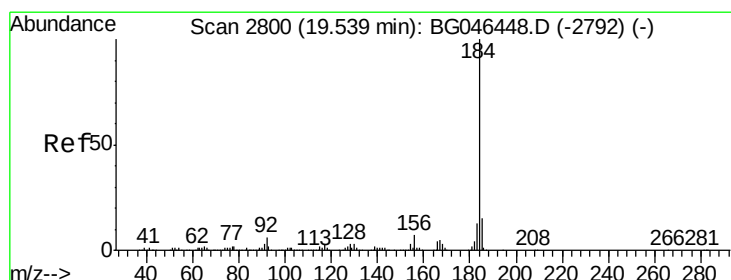
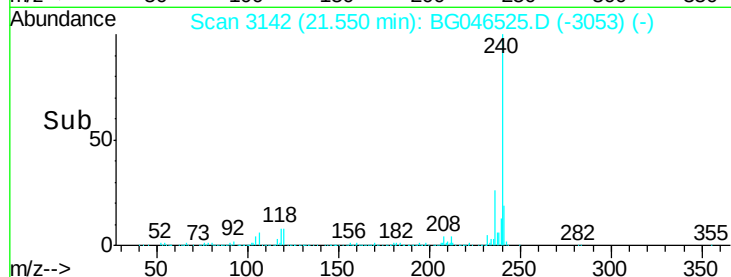
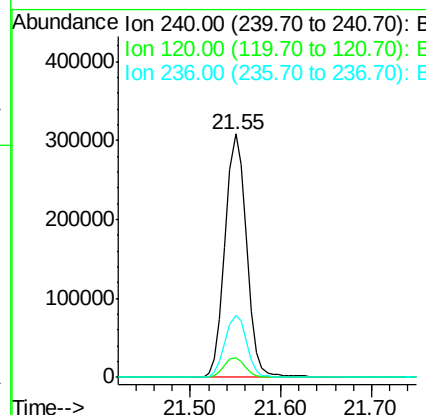
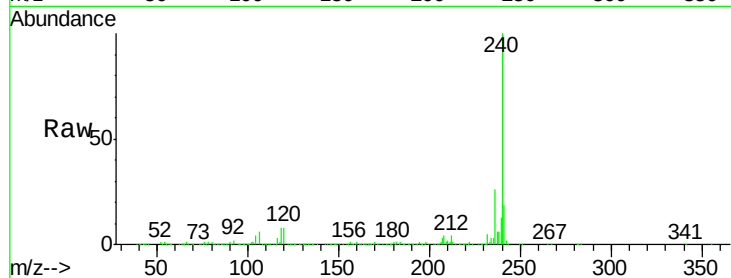
Time-->



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3142
Delta R.T. -0.00 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

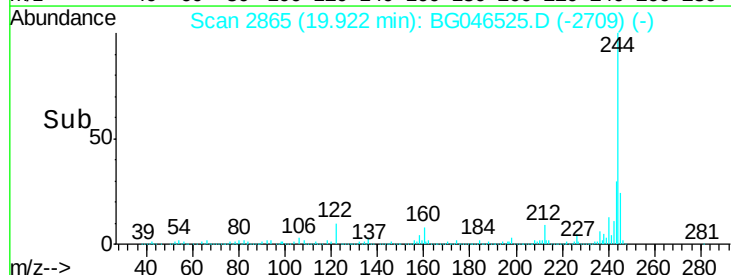
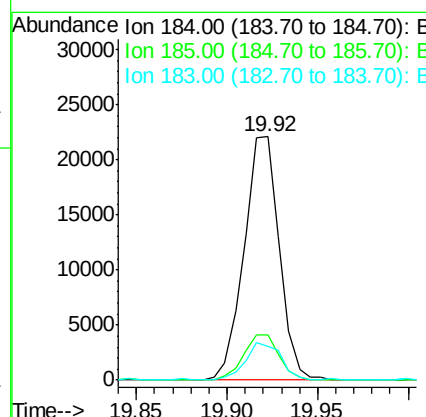
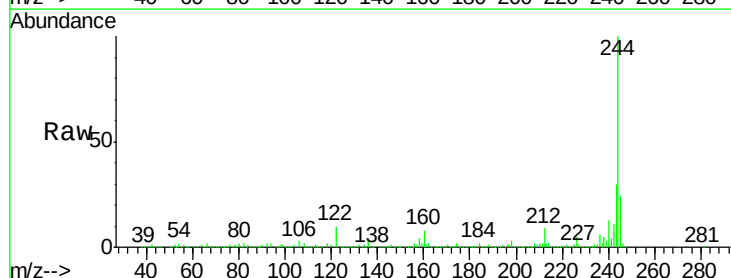
Instrument :
BNA_G
ClientSampleId :
TP-1

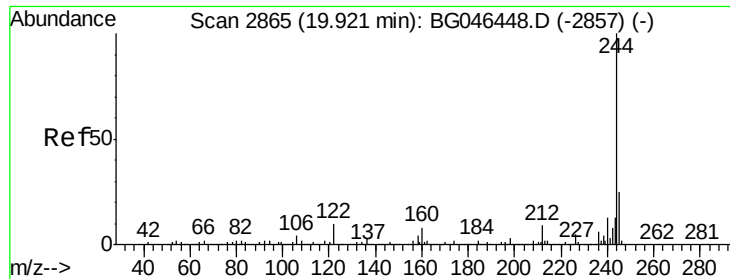
Tot Ion:240 Resp: 507803
Ion Ratio Lower Upper
240 100
120 8.2 6.6 10.0
236 25.6 21.4 32.2



#77
Benzidine
Concen: 2.528 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.39 min
Lab File: BG046525.D
Acq: 3 Sep 2020 20:51

Tgt Ion:184 Resp: 29824
Ion Ratio Lower Upper
184 100
185 18.6 11.8 17.8#
183 13.8 10.7 16.1

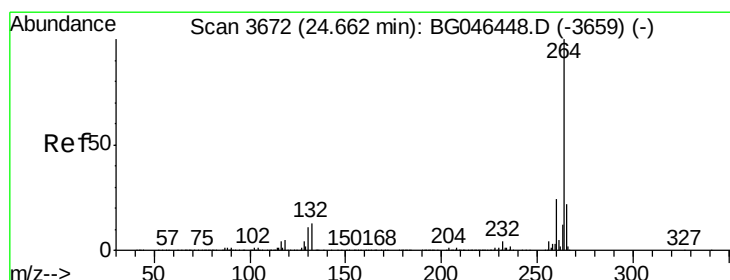
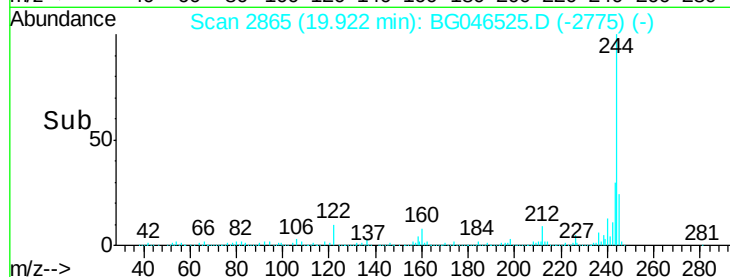
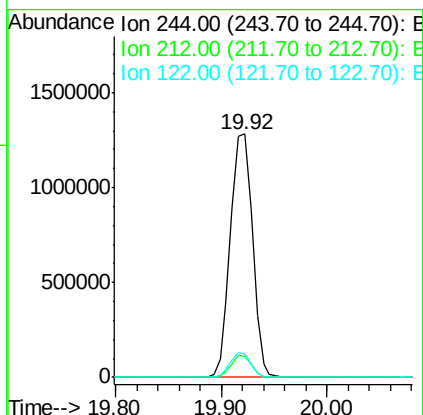
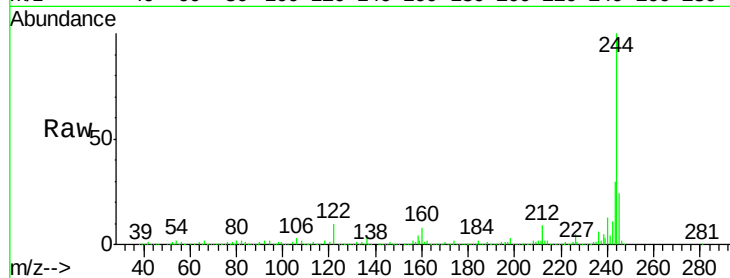




#79
 Terphenyl-d14
 Concen: 77.914 ng
 RT: 19.92 min Scan# 2865
 Delta R.T. 0.00 min
 Lab File: BG046525.D
 Acq: 3 Sep 2020 20:51

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Tot Ion:244 Resp: 1859103
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.9 10.3
 122 9.8 8.2 12.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.65 min Scan# 3670
 Delta R.T. -0.00 min
 Lab File: BG046525.D
 Acq: 3 Sep 2020 20:51

Tgt Ion:264 Resp: 496713
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.2 17.9 26.9

