

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG020320\
 Data File : BG044278.D
 Acq On : 3 Feb 2020 18:41
 Operator : CG/JU
 Sample : L1346-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 04 00:30:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 30 16:05:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	71471	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	309210	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	246581	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	549603	20.00	ng	0.00
76) Chrysene-d12	21.55	240	496271	20.00	ng	0.00
87) Perylene-d12	24.65	264	544712	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	696040	171.87	ng	0.00
7) Phenol-d6	7.09	99	967300	177.87	ng	0.00
23) Nitrobenzene-d5	9.07	82	588872	107.52	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	457682	158.11	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1404324	95.37	ng	0.00
79) Terphenyl-d14	19.92	244	2182440	90.45	ng	0.00

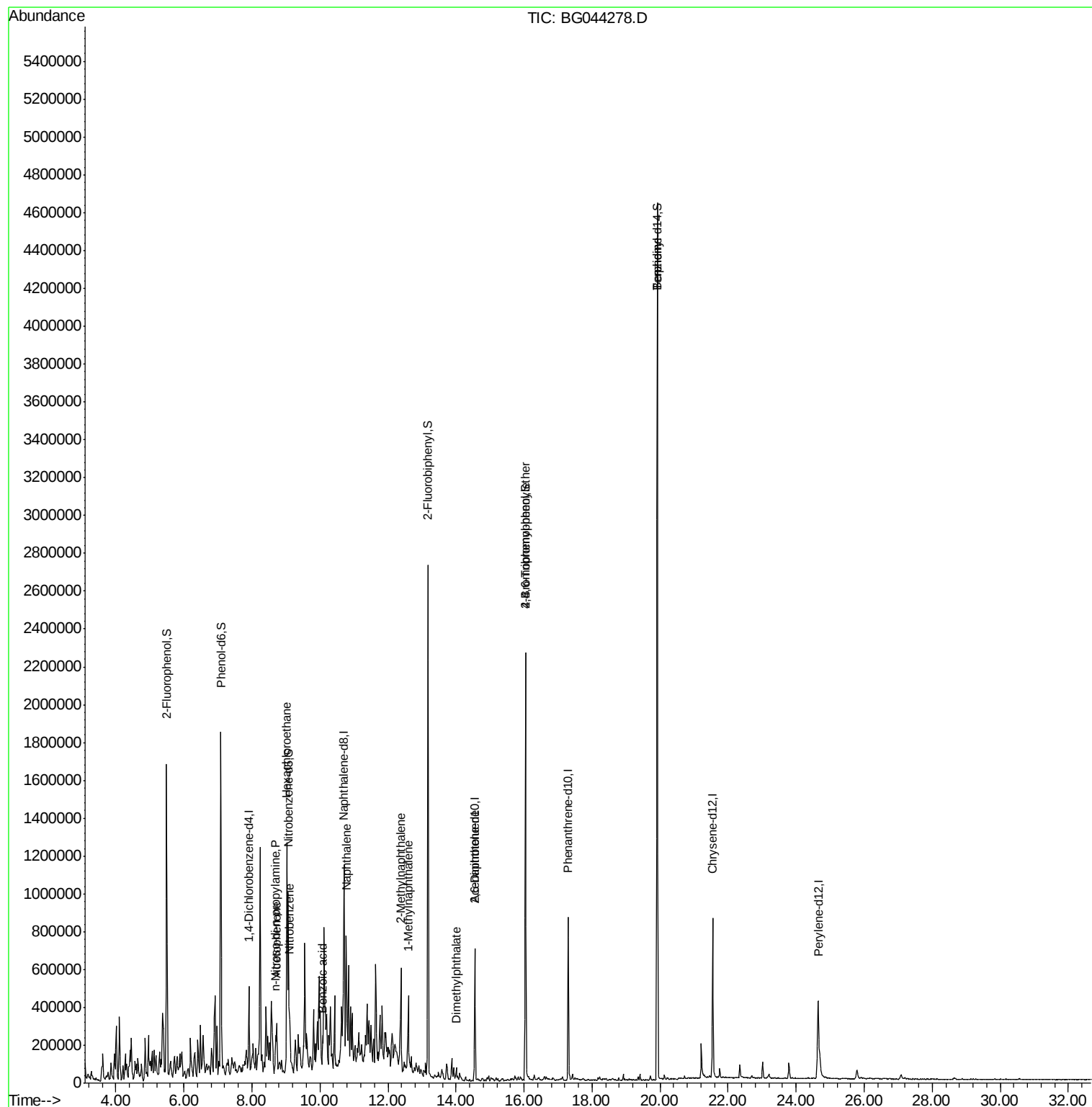
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.03	117	120397	60.959	ng	# 1
19) n-Nitroso-di-n-propylamine	8.70	70	12661	3.493	ng	# 72
22) Acetophenone	8.73	105	181411	24.117	ng	# 58
24) Nitrobenzene	9.11	77	13479	2.521	ng	# 26
31) Naphthalene	10.77	128	117702	7.846	ng	# 82
32) Benzoic acid	10.06	122	130	14.206	ng	# 1
37) 2-Methylnaphthalene	12.38	142	242986	21.815	ng	100
38) 1-Methylnaphthalene	12.60	142	182880	17.415	ng	98
50) Dimethylphthalate	14.01	163	48961	2.762	ng	98
51) 2,6-Dinitrotoluene	14.55	165	33851	8.565	ng	# 30
67) 4-Bromophenyl-phenylether	16.05	248	32537	5.434	ng	# 1
77) Benzidine	19.91	184	39011	2.834	ng	# 88

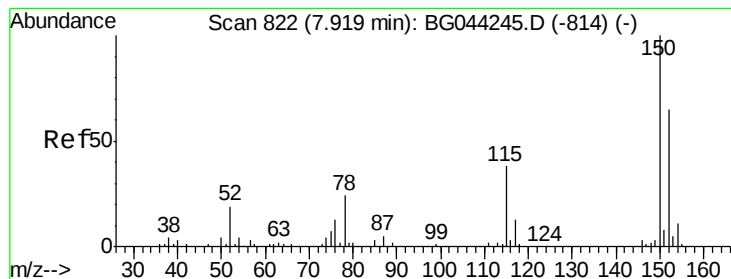
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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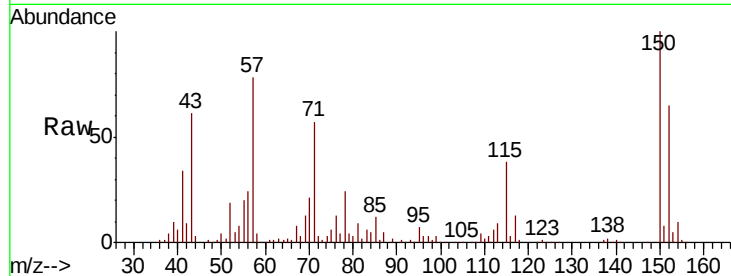




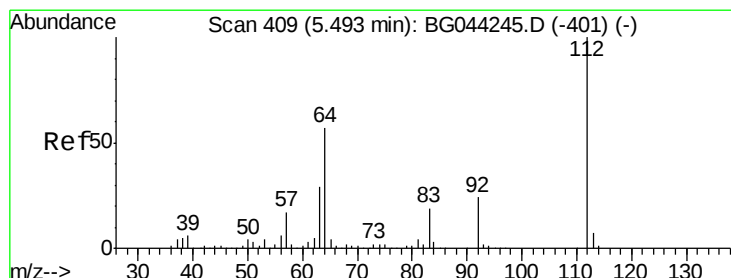
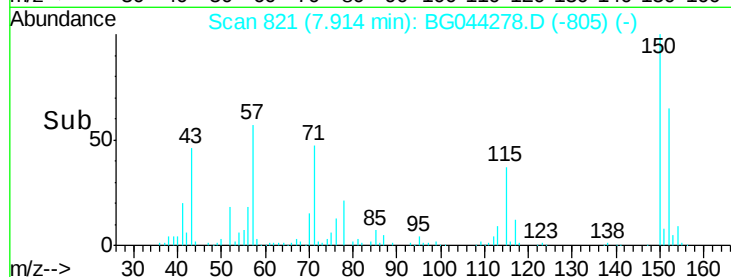
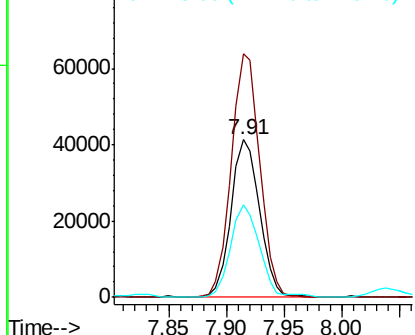
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.91 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: BG044278.D
 Acq: 3 Feb 2020 18:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 71471
 Ion Ratio Lower Upper
 152 100
 150 154.6 122.6 183.8
 115 59.1 46.0 69.0

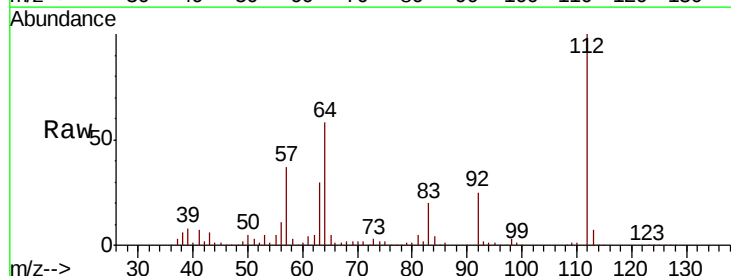


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

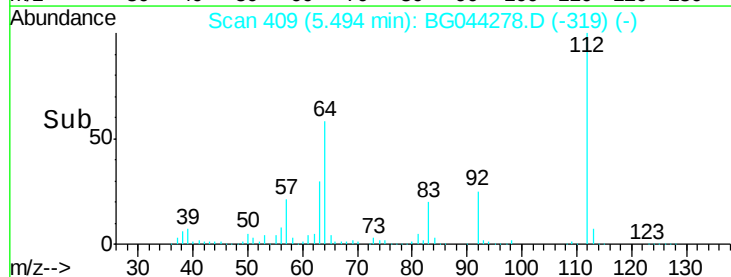
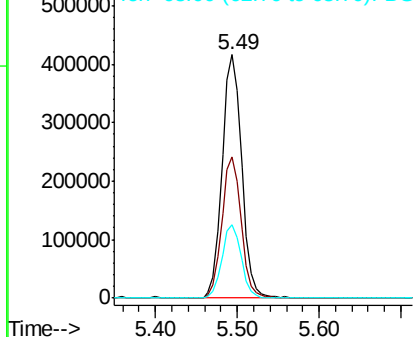


#5
 2-Fluorophenol
 Concen: 171.874 ng
 RT: 5.49 min Scan# 409
 Delta R.T. 0.00 min
 Lab File: BG044278.D
 Acq: 3 Feb 2020 18:41

Tgt Ion:112 Resp: 696040
 Ion Ratio Lower Upper
 112 100
 64 58.2 45.4 68.2
 63 30.0 22.9 34.3



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: 177.873 ng

RT: 7.09 min Scan# 680

Delta R.T. 0.00 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

Instrument :

BNA_G

ClientSampleId :

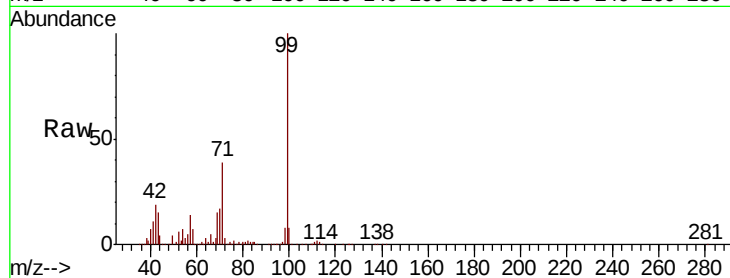
Tot Ion: 99 Resp: 967300

Ion Ratio Lower Upper

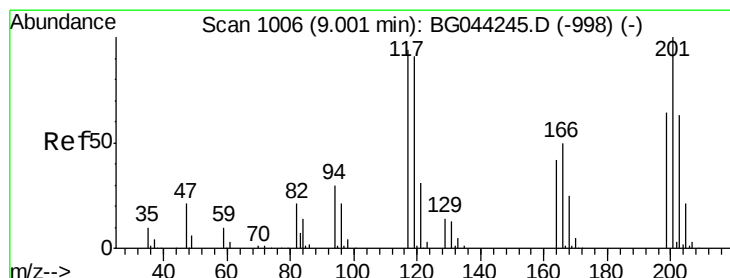
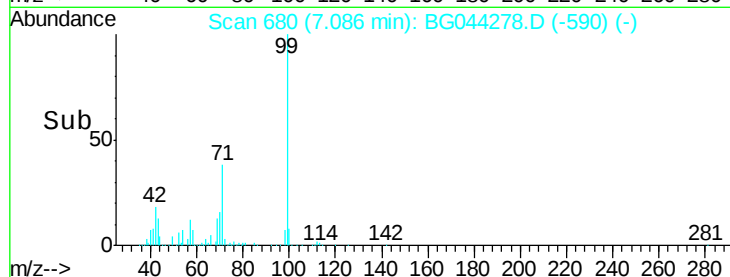
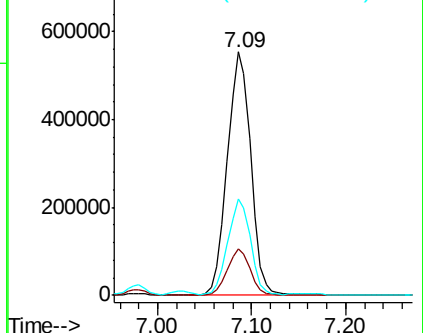
99 100

42 19.0 13.8 20.6

71 39.4 25.5 38.3#



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



#18

Hexachloroethane

Concen: 60.959 ng

RT: 9.03 min Scan# 1011

Delta R.T. 0.03 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

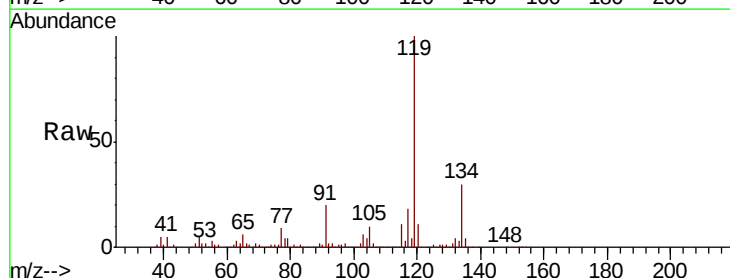
Tgt Ion: 117 Resp: 120397

Ion Ratio Lower Upper

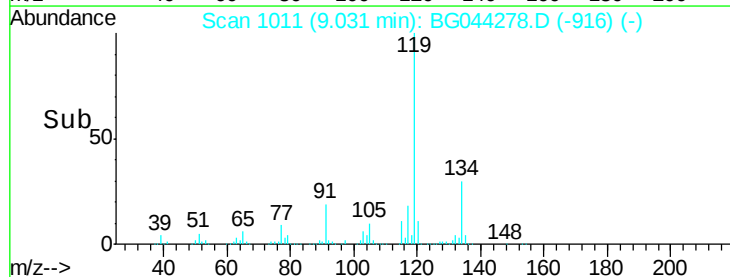
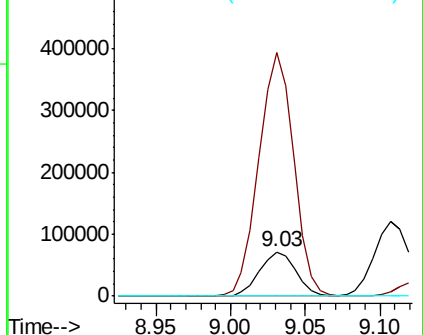
117 100

119 553.4 77.5 116.3#

201 0.0 84.9 127.3#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

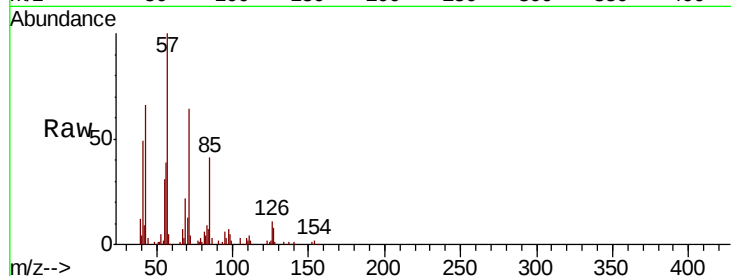




#19
n-Nitroso-di-n-propylamine
Concen: 3.493 ng
RT: 8.70 min Scan# 954
Delta R.T. -0.03 min
Lab File: BG044278.D
Acq: 3 Feb 2020 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	72.7	46.2	69.2#	
101	0.0	8.4	12.6#	
130	0.0	17.8	26.8#	



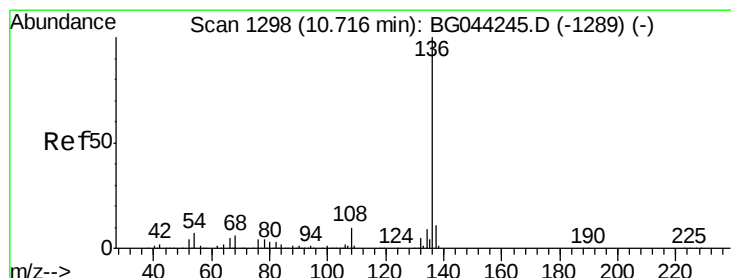
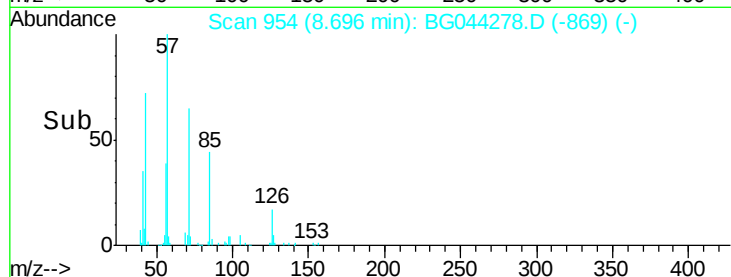
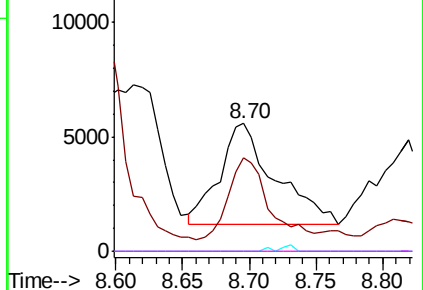
Abundance

Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

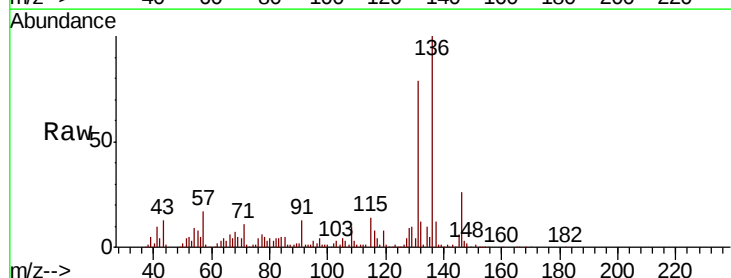
Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1298
Delta R.T. 0.00 min
Lab File: BG044278.D
Acq: 3 Feb 2020 18:41

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	12.1	8.8	13.2	
54	8.6	5.8	8.8	
68	7.2	4.6	6.8#	



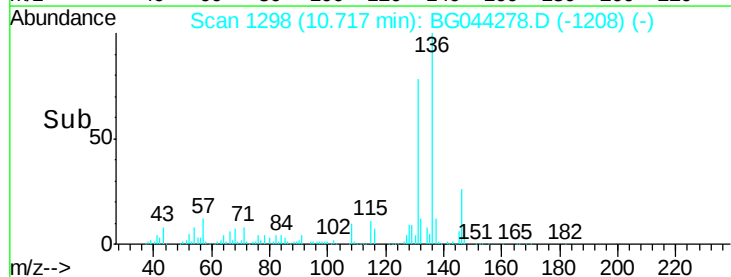
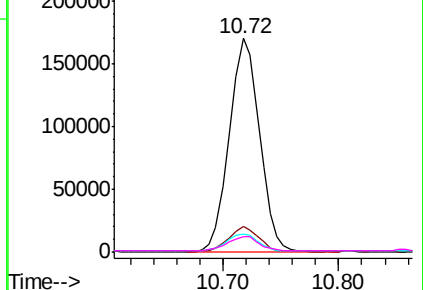
Abundance

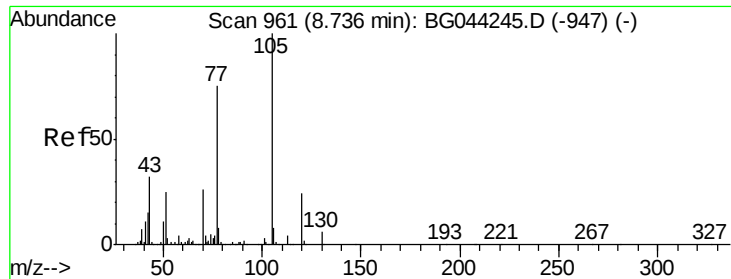
Ion 136.00 (135.70 to 136.70): BGC

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





#22

Acetophenone

Concen: 24.117 ng

RT: 8.73 min Scan# 959

Delta R.T. -0.01 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:105 Resp: 181411

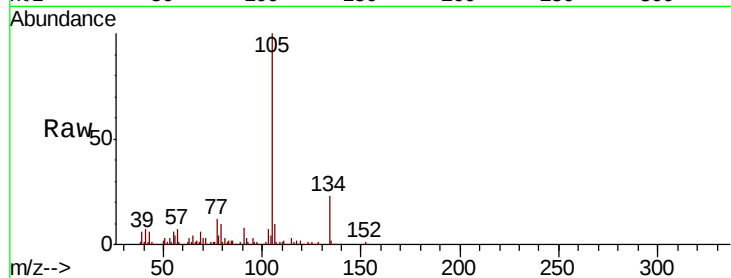
Ion Ratio Lower Upper

105 100

71 3.3 3.4 5.0#

51 3.4 20.2 30.4#

120 0.3 19.1 28.7#

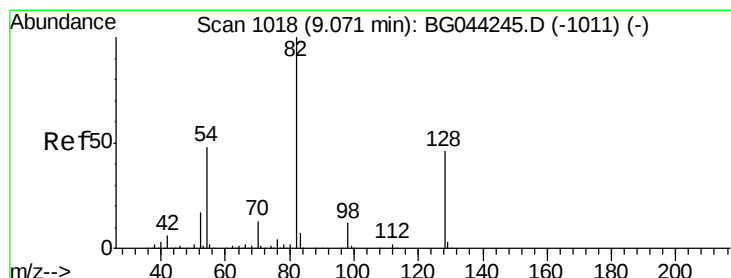
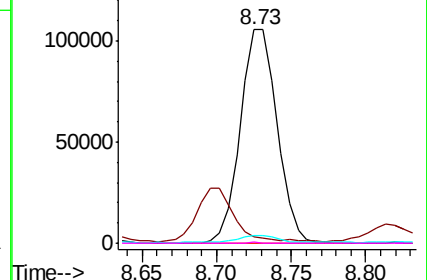
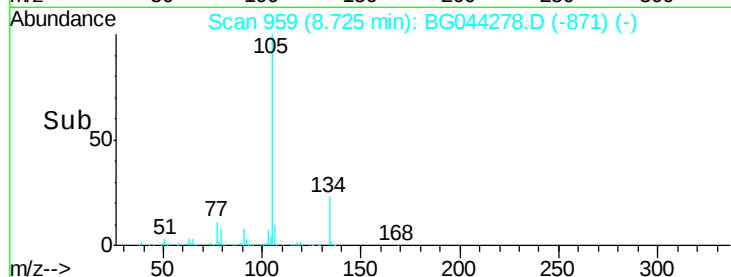


Abundance Ion 105.00 (104.70 to 105.70): E

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: 107.518 ng

RT: 9.07 min Scan# 1018

Delta R.T. 0.00 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

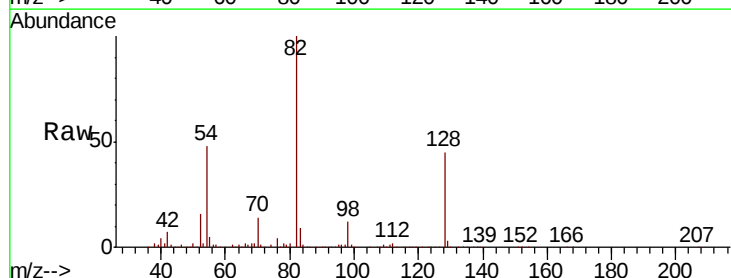
Tgt Ion: 82 Resp: 588872

Ion Ratio Lower Upper

82 100

128 45.4 36.5 54.7

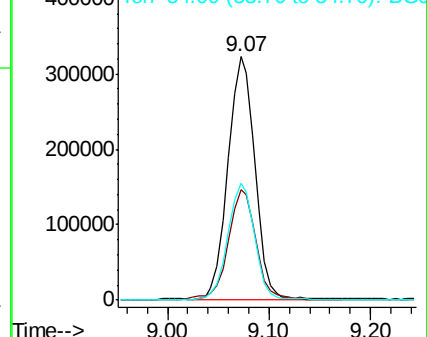
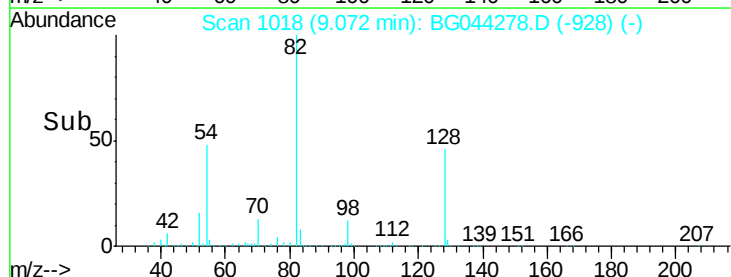
54 48.0 38.6 58.0

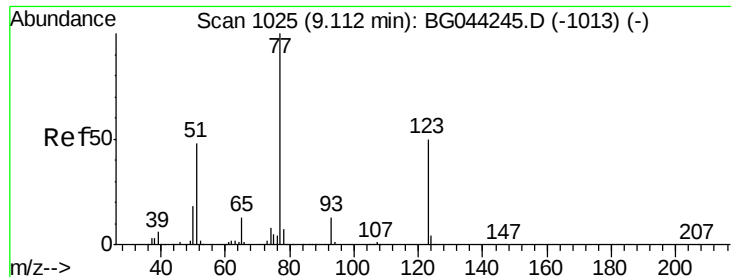


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC





#24

Nitrobenzene

Concen: 2.521 ng

RT: 9.11 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

Instrument :

BNA_G

ClientSampled :

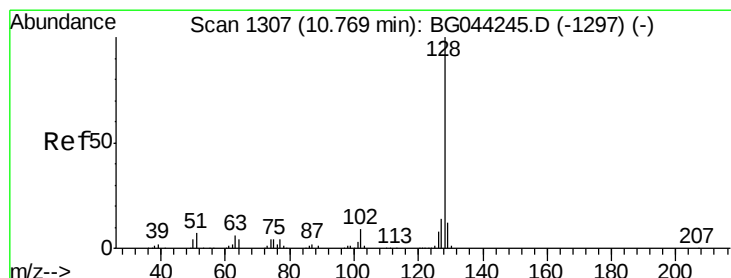
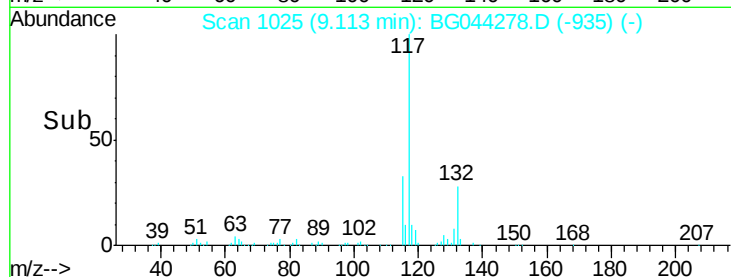
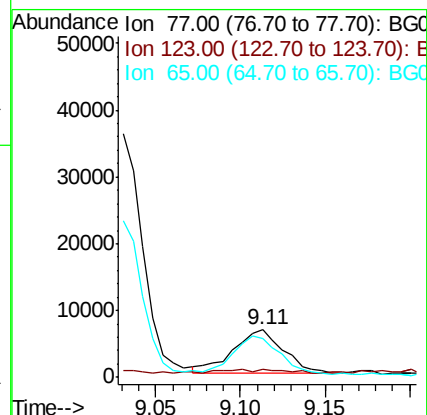
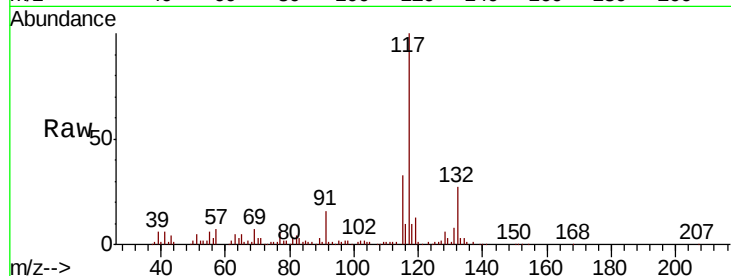
Tot Ion: 77 Resp: 13479

Ion Ratio Lower Upper

77 100

123 16.8 39.9 59.9#

65 80.9 10.4 15.6#



#31

Naphthalene

Concen: 7.846 ng

RT: 10.77 min Scan# 1307

Delta R.T. 0.00 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

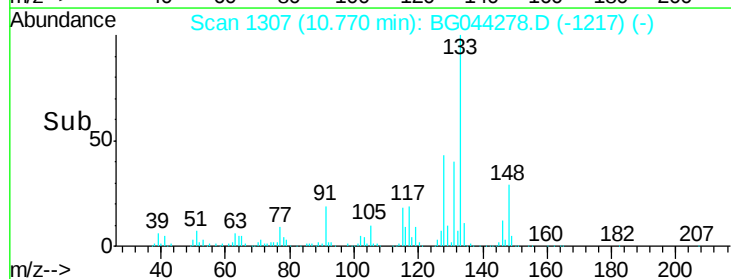
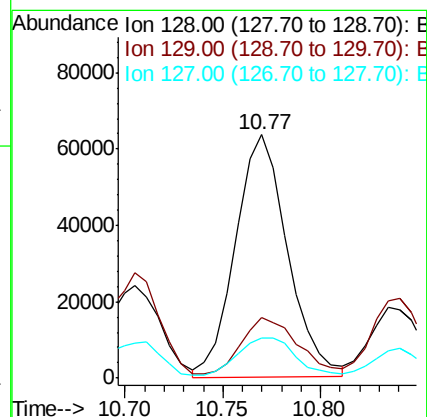
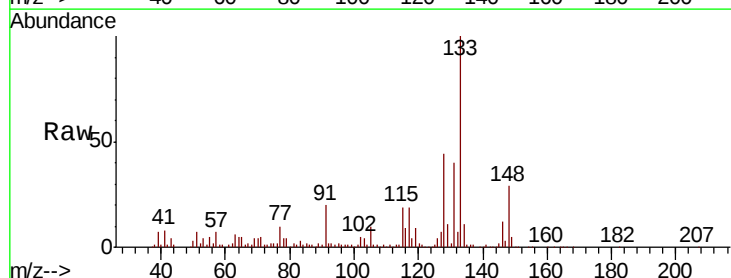
Tgt Ion: 128 Resp: 117702

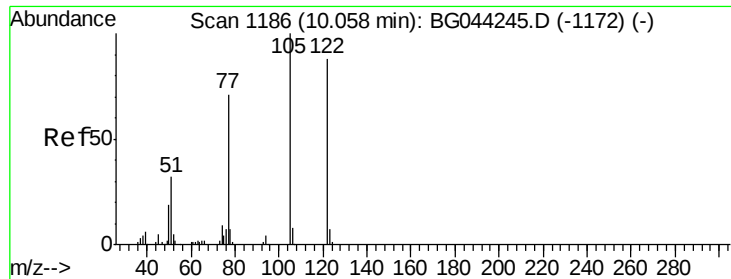
Ion Ratio Lower Upper

128 100

129 24.8 9.3 13.9#

127 16.7 11.6 17.4

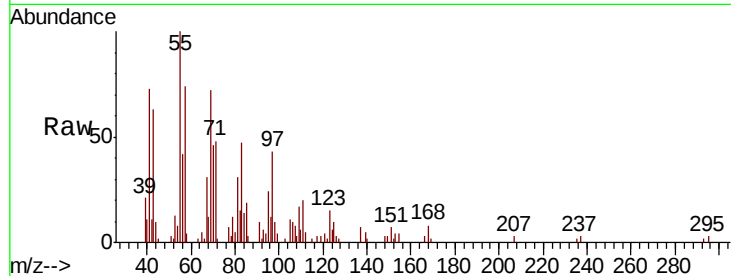




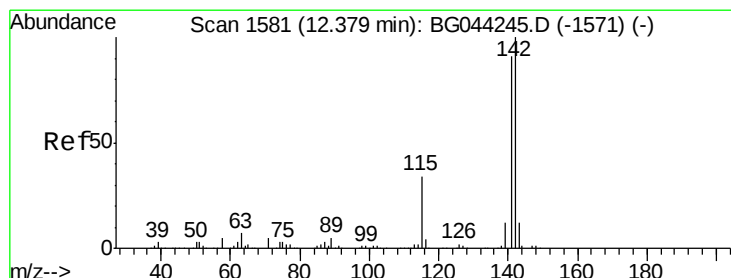
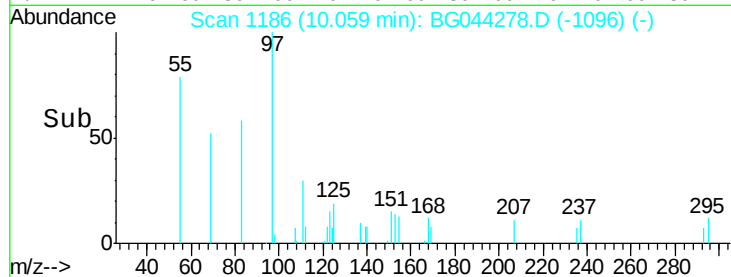
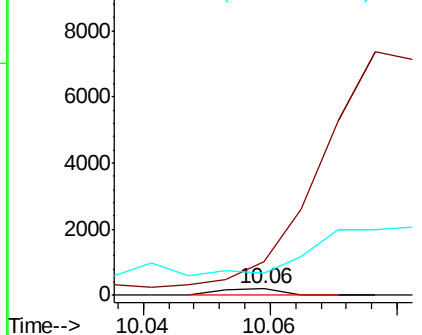
#32
Benzoic acid
Concen: 14.206 ng
RT: 10.06 min Scan# 1186
Delta R.T. 0.00 min
Lab File: BG044278.D
Acq: 3 Feb 2020 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:122 Resp: 130
Ion Ratio Lower Upper
122 100
105 501.5 93.5 133.5#
77 335.5 61.0 101.0#

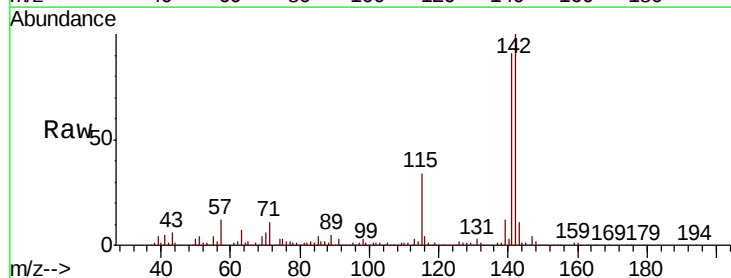


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

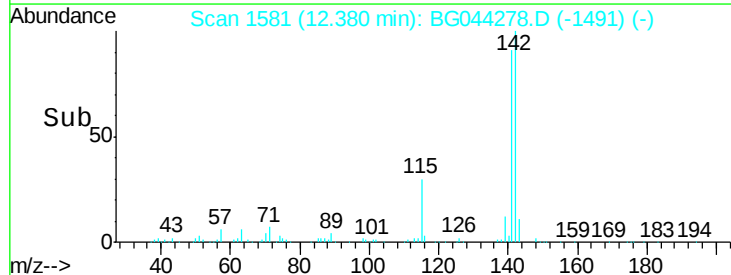
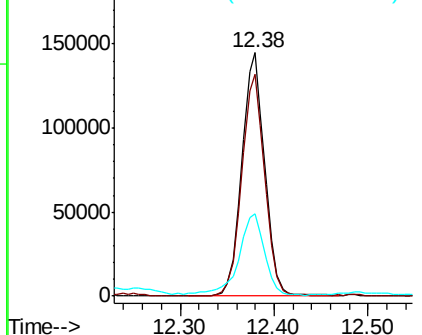


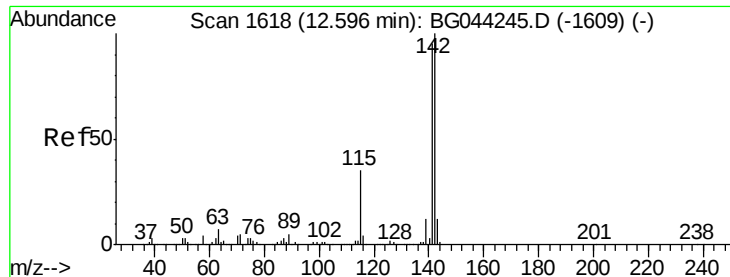
#37
2-Methylnaphthalene
Concen: 21.815 ng
RT: 12.38 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BG044278.D
Acq: 3 Feb 2020 18:41

Tgt Ion:142 Resp: 242986
Ion Ratio Lower Upper
142 100
141 91.3 73.2 109.8
115 33.6 27.1 40.7



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

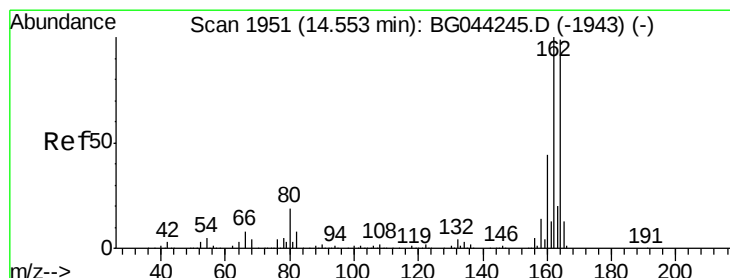
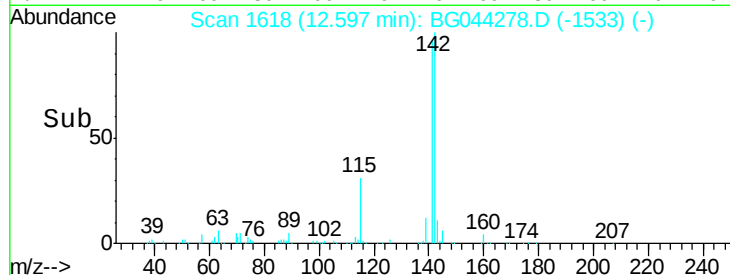
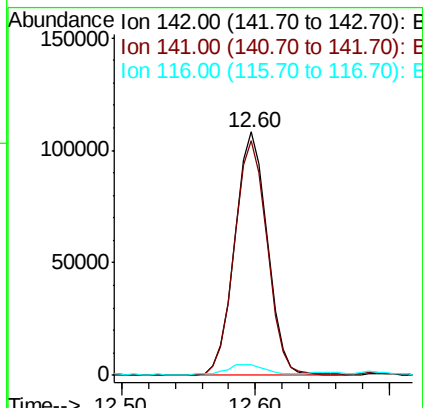
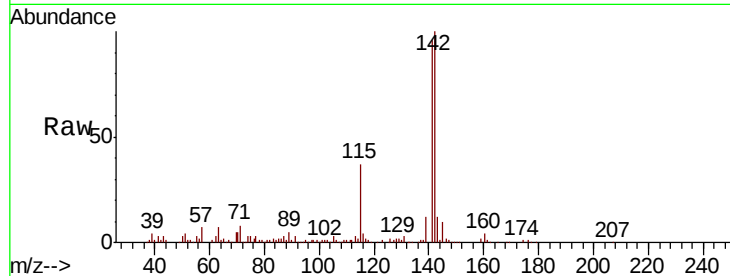




#38
1-Methylnaphthalene
Concen: 17.415 ng
RT: 12.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BG044278.D
Acq: 3 Feb 2020 18:41

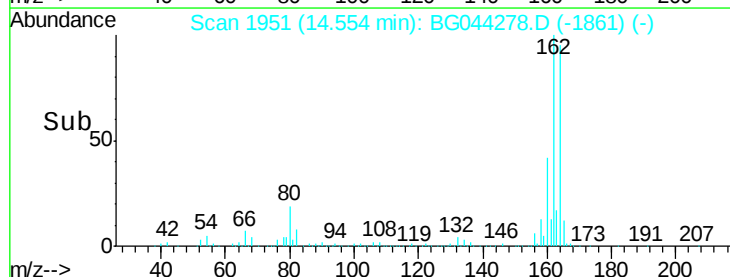
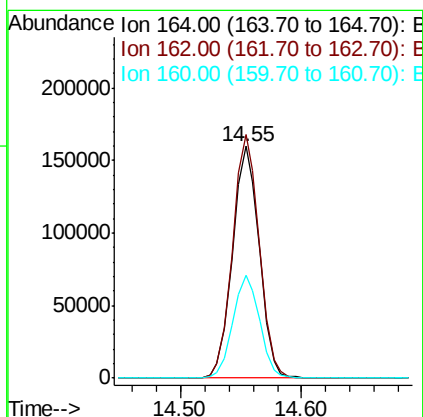
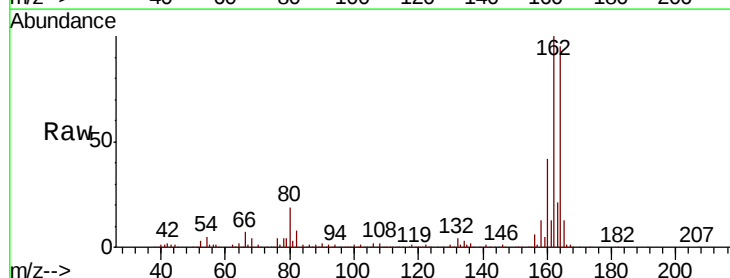
Instrument :
BNA_G
ClientSampled :

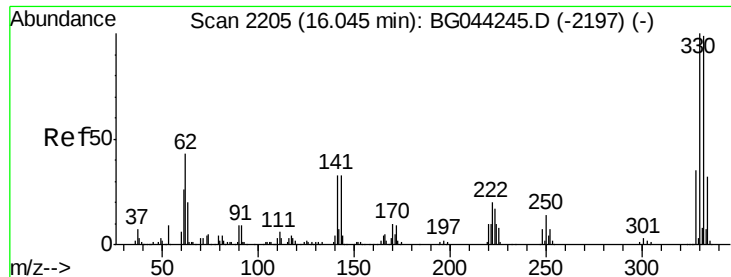
Tot Ion	Ratio	Lower	Upper
142	100		
141	96.4	75.8	113.6
116	4.4	3.1	4.7



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.55 min Scan# 1951
Delta R.T. 0.00 min
Lab File: BG044278.D
Acq: 3 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.0	80.7	121.1
160	44.6	35.3	52.9

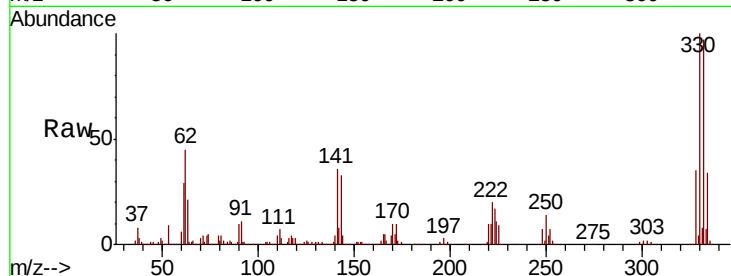




#42
 2,4,6-Tribromophenol
 Concen: 158.109 ng
 RT: 16.05 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: BG044278.D
 Acq: 3 Feb 2020 18:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.2	115.8
141	36.2	28.3	42.5

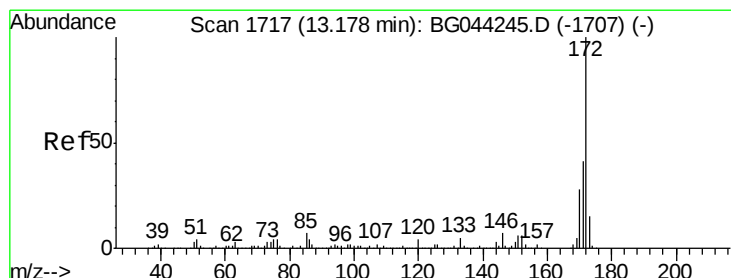
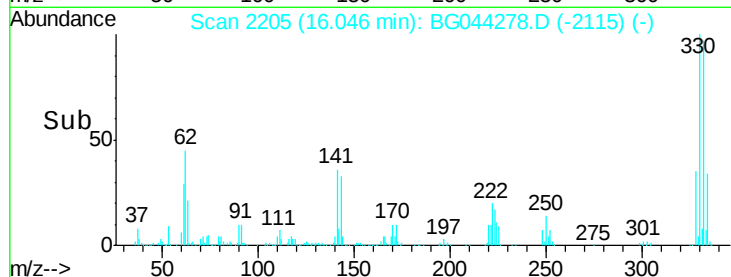
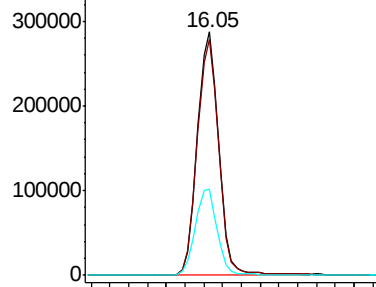


Abundance

Ion 329.80 (329.50 to 330.50): E

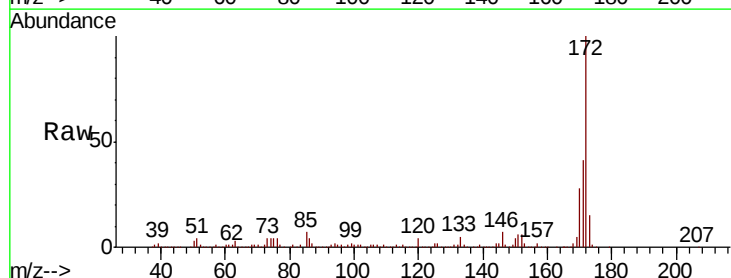
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 95.369 ng
 RT: 13.18 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: BG044278.D
 Acq: 3 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.9	32.9	49.3
170	28.1	22.0	33.0

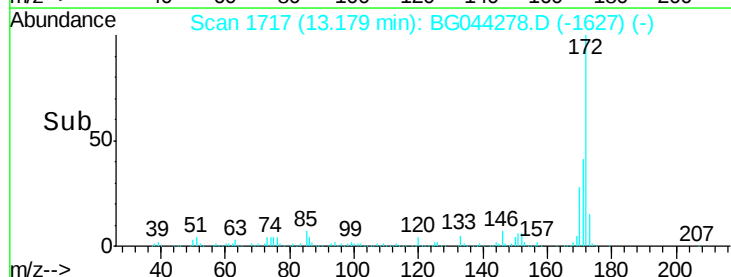
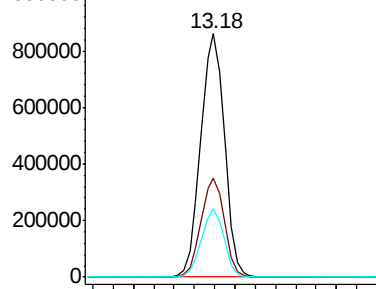


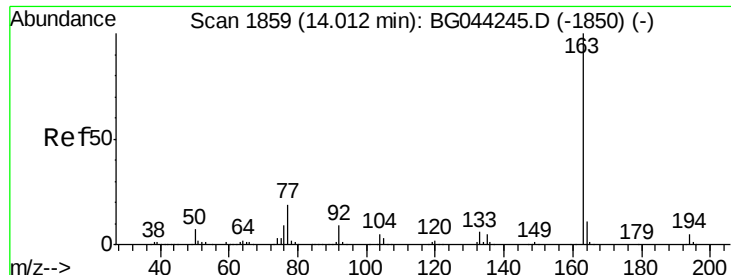
Abundance

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: 2.762 ng

RT: 14.01 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

Instrument :

BNA_G

ClientSampleId :

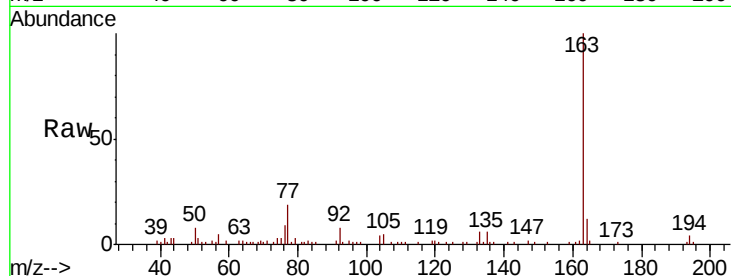
Tot Ion:163 Resp: 48961

Ion Ratio Lower Upper

163 100

194 3.9 3.6 5.4

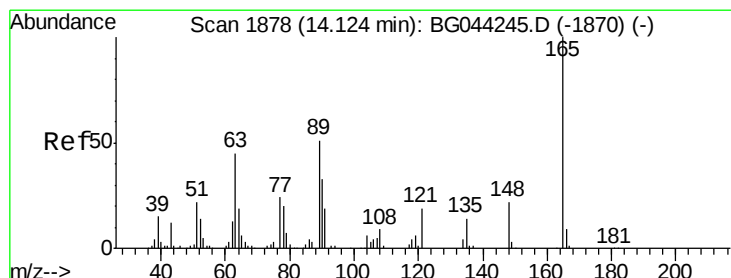
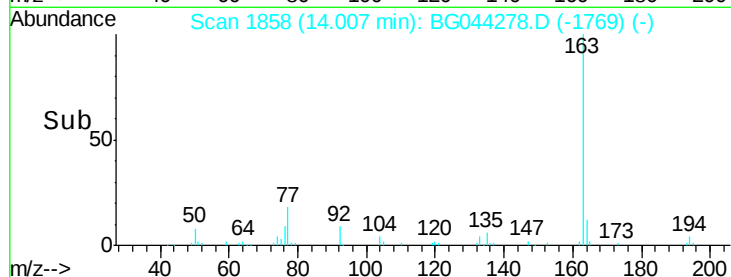
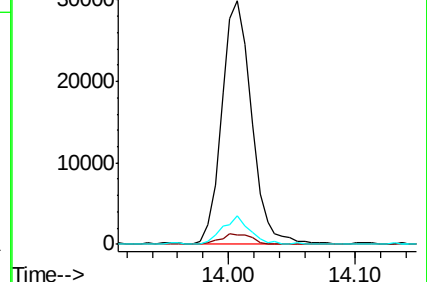
164 11.9 8.7 13.1



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



#51

2,6-Dinitrotoluene

Concen: 8.565 ng

RT: 14.55 min Scan# 1951

Delta R.T. 0.43 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

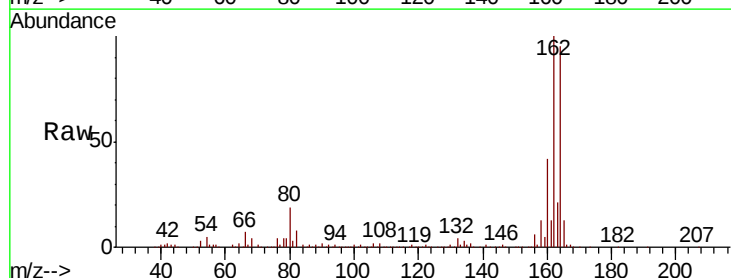
Tgt Ion:165 Resp: 33851

Ion Ratio Lower Upper

165 100

63 1.6 38.7 58.1#

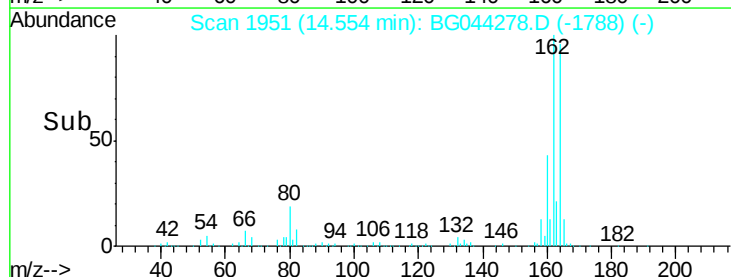
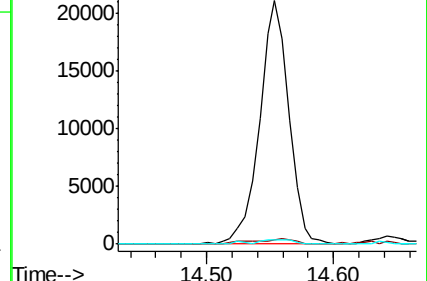
89 2.0 40.4 60.6#

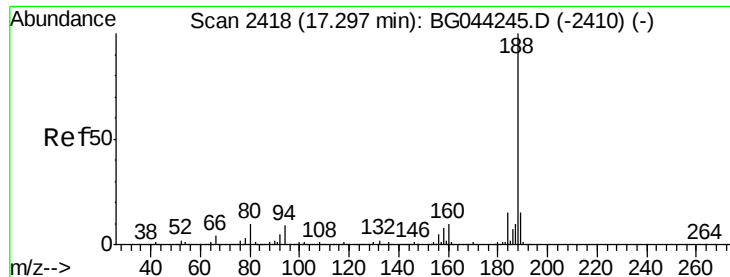


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 89.00 (88.70 to 89.70): BG0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.30 min Scan# 2418

Delta R.T. 0.00 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

Instrument :

BNA_G

ClientSampled :

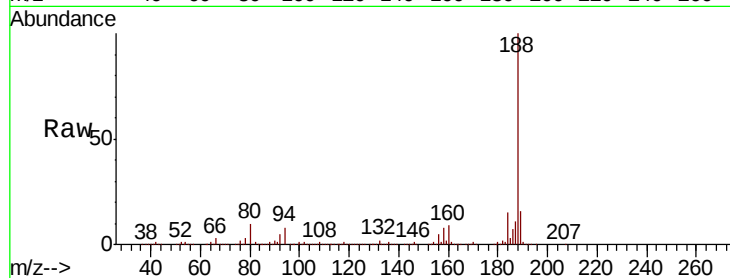
Tot Ion:188 Resp: 549603

Ion Ratio Lower Upper

188 100

94 8.5 7.4 11.2

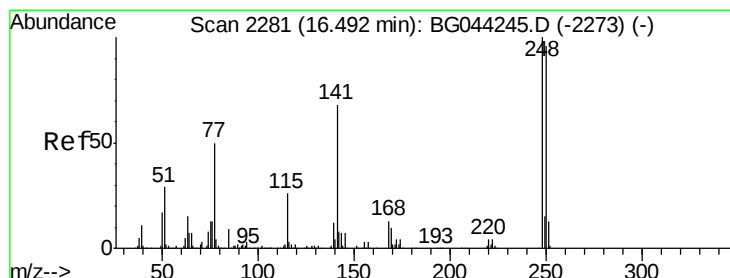
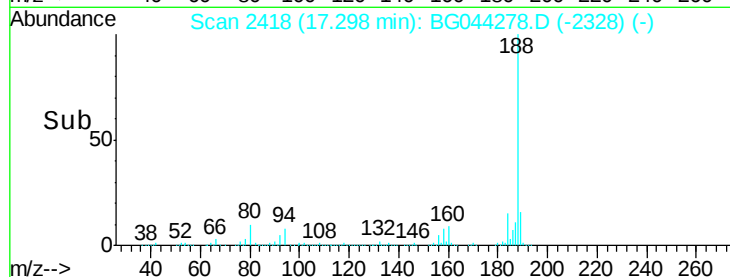
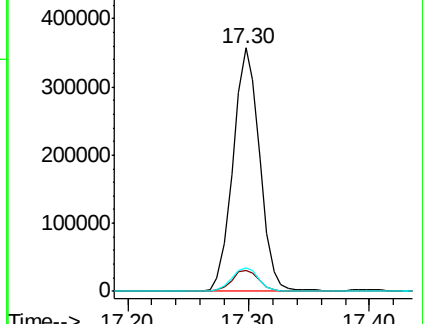
80 9.7 7.7 11.5



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: 5.434 ng

RT: 16.05 min Scan# 2205

Delta R.T. -0.45 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

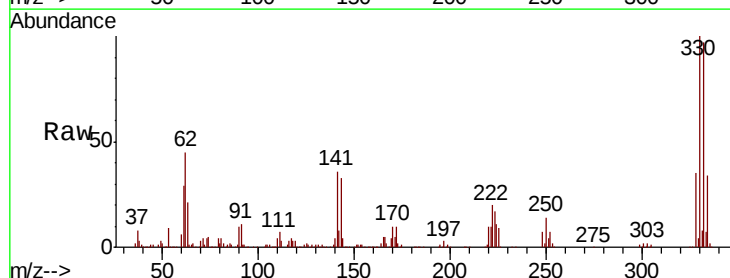
Tgt Ion:248 Resp: 32537

Ion Ratio Lower Upper

248 100

250 202.7 76.6 114.8#

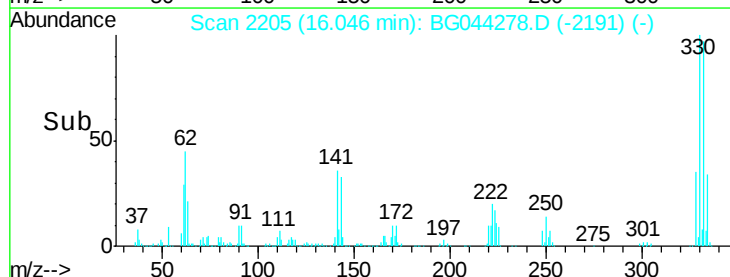
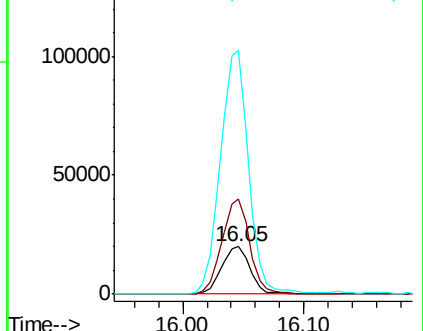
141 515.7 54.7 82.1#

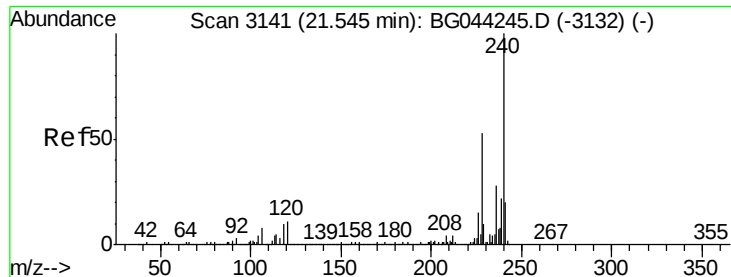


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

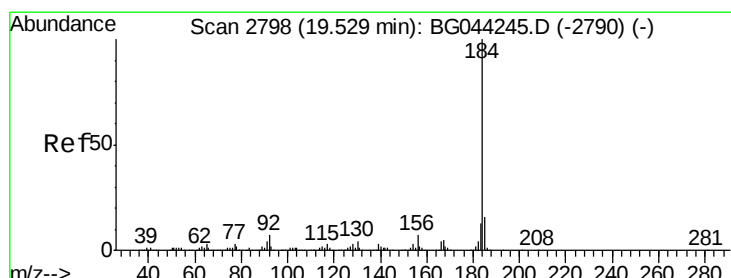
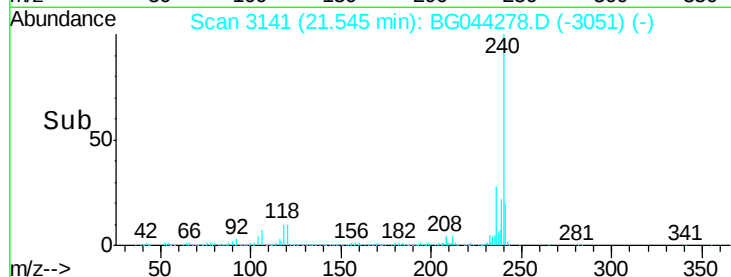
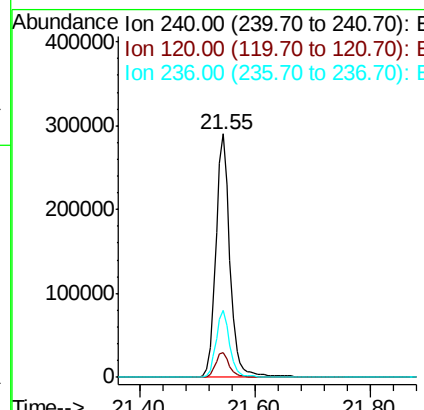
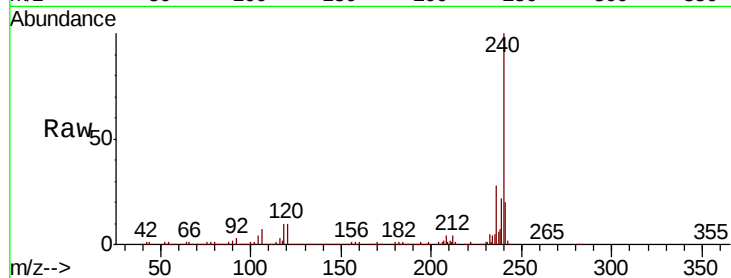




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3141
Delta R.T. 0.00 min
Lab File: BG044278.D
Acq: 3 Feb 2020 18:41

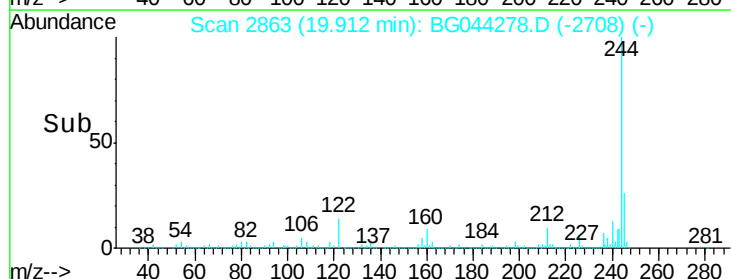
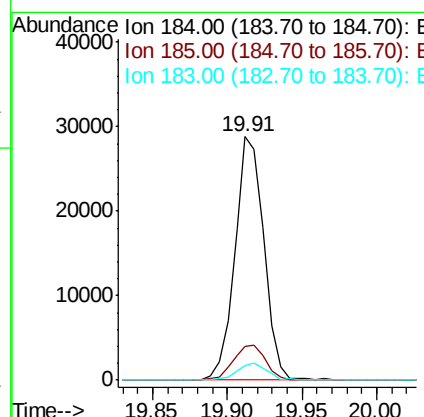
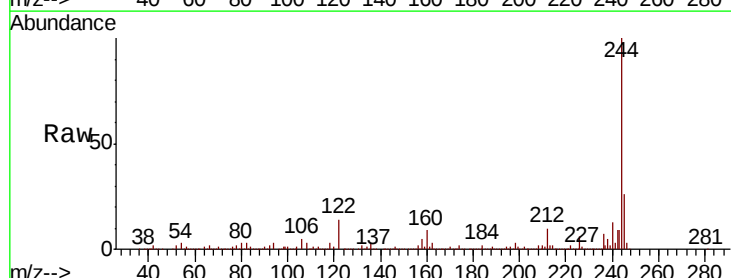
Instrument :
BNA_G
ClientSampleId :

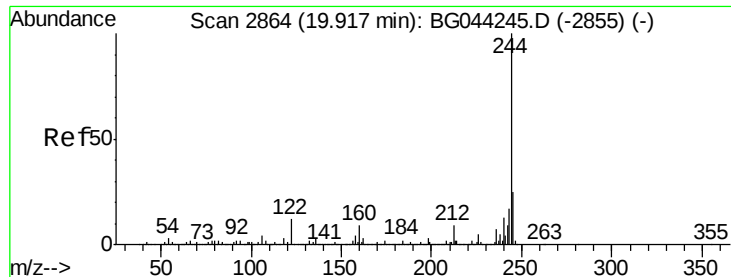
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	8.4	12.6
236	27.5	22.1	33.1



#77
Benzidine
Concen: 2.834 ng
RT: 19.91 min Scan# 2863
Delta R.T. 0.38 min
Lab File: BG044278.D
Acq: 3 Feb 2020 18:41

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.0	12.9	19.3
183	5.8	10.8	16.2#





#79

Terphenyl-d14

Concen: 90.455 ng

RT: 19.92 min Scan# 2864

Delta R.T. 0.00 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

Instrument :

BNA_G

ClientSampleId :

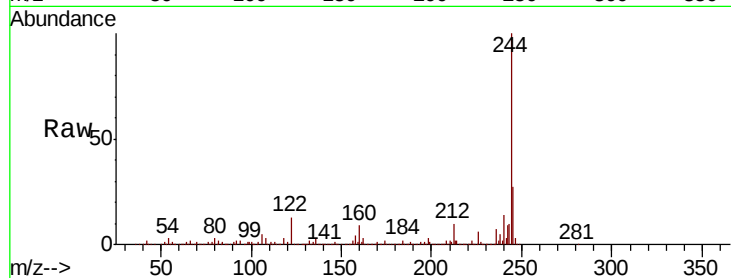
Tot Ion:244 Resp: 2182440

Ion	Ratio	Lower	Upper
244	100		
212	9.6	7.4	11.2
122	12.9	9.8	14.6

244 100

212 9.6 7.4 11.2

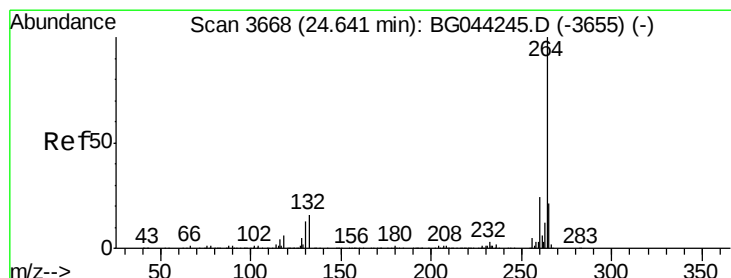
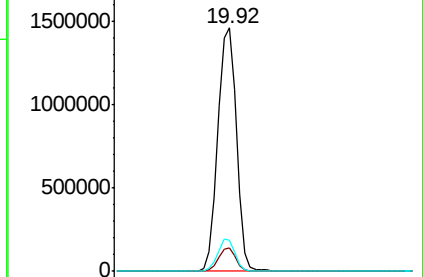
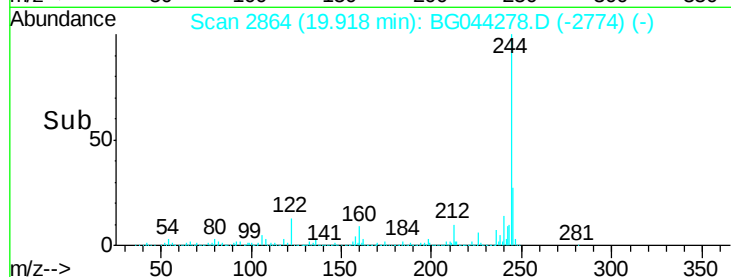
122 12.9 9.8 14.6



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3669

Delta R.T. 0.01 min

Lab File: BG044278.D

Acq: 3 Feb 2020 18:41

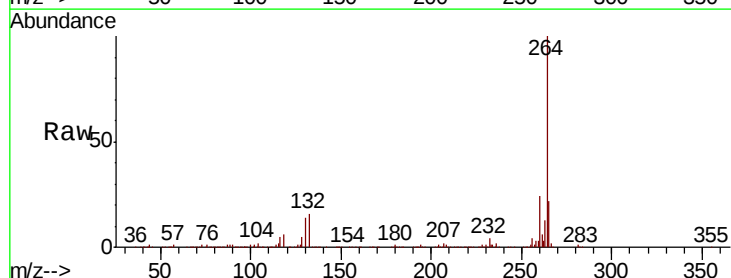
Tgt Ion:264 Resp: 544712

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.2
265	22.4	16.7	25.1

264 100

260 23.8 19.4 29.2

265 22.4 16.7 25.1



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

