

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
 Data File : BG045812.D
 Acq On : 19 Jun 2020 12:45
 Operator : CG/JU
 Sample : L3033-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW003-200616

Quant Time: Jun 19 14:55:00 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 15 18:34:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	47505	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	183281	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	127397	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	292953	20.00	ng	0.00
76) Chrysene-d12	21.57	240	295422	20.00	ng	0.00
86) Perylene-d12	24.70	264	321524	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	127871	45.47	ng	0.00
7) Phenol-d6	7.14	99	114594	26.79	ng	-0.02
23) Nitrobenzene-d5	9.08	82	325259	81.07	ng	0.00
42) 2,4,6-Tribromophenol	16.07	330	251603	130.81	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	755230	87.12	ng	0.00
79) Terphenyl-d14	19.93	244	1404306	96.34	ng	0.00

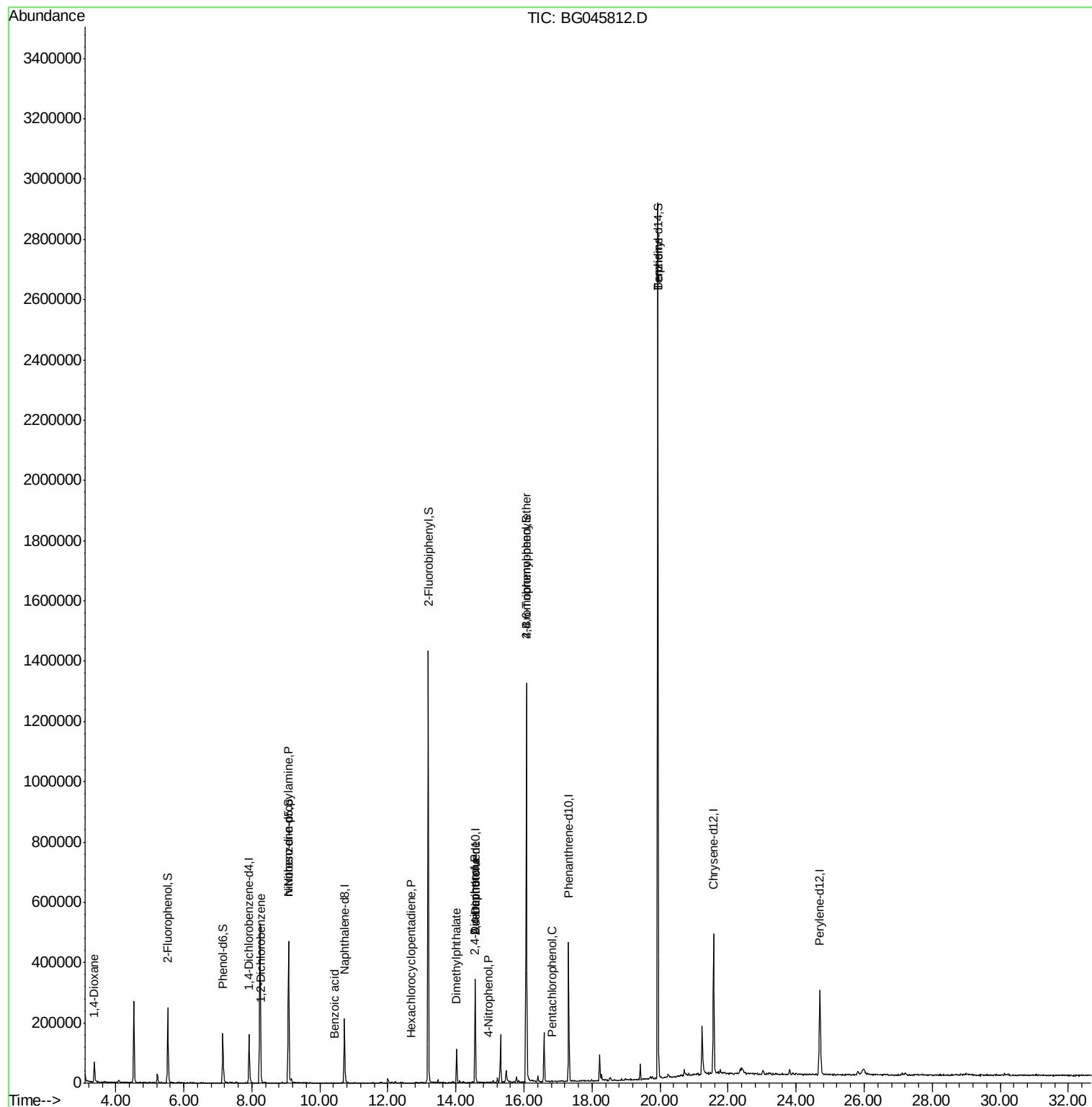
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.37	88	51498	39.982	ng	98
14) 1,2-Dichlorobenzene	8.27	146	8454	2.465	ng	96
19) n-Nitroso-di-n-propylamine	9.08	70	43731	15.550	ng	# 82
32) Benzoic acid	10.43	122	54	9.003	ng	# 1
41) Hexachlorocyclopentadiene	12.67	237	61	8.443	ng	# 27
50) Dimethylphthalate	14.02	163	75989	7.614	ng	96
54) 2,4-Dinitrophenol	14.55	184	57	9.866	ng	# 1
56) 4-Nitrophenol	14.95	139	567	4.309	ng	# 13
57) 2,4-Dinitrotoluene	14.56	165	16581	5.163	ng	# 25
67) 4-Bromophenyl-phenylether	16.07	248	17976	4.722	ng	# 1
70) Pentachlorophenol	16.84	266	71	7.665	ng	# 17
77) Benzidine	19.93	184	25355	3.301	ng	# 86

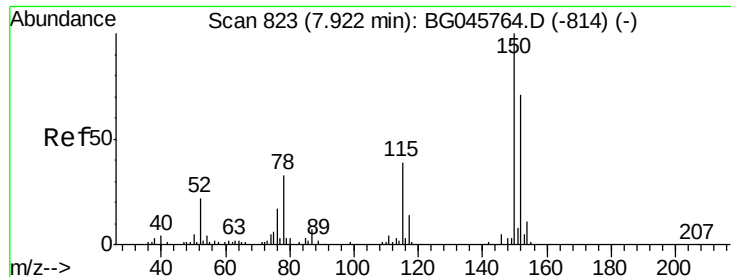
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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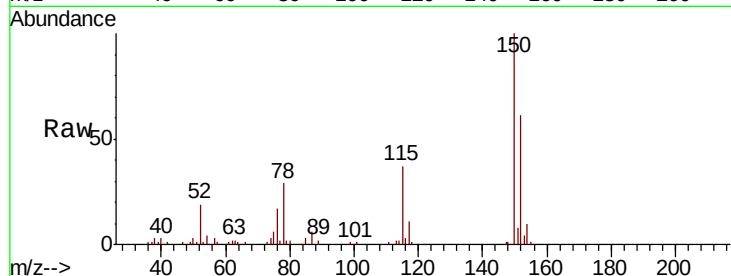


#1

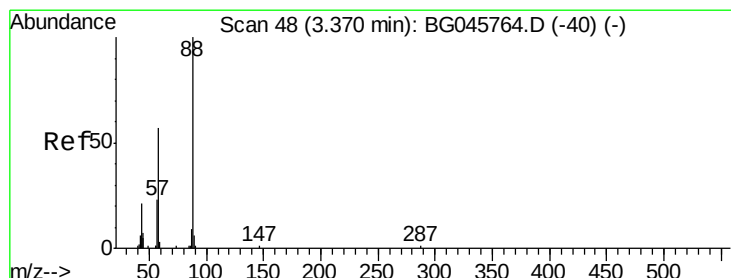
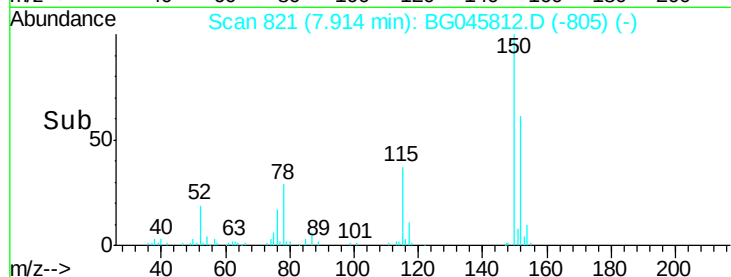
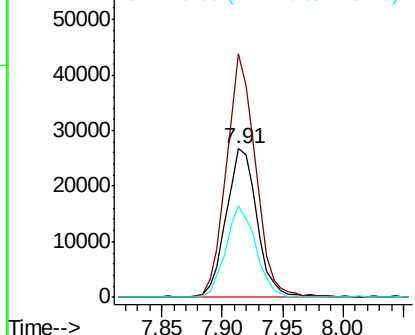
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.91 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG045812.D
Acq: 19 Jun 2020 12:45

Instrument :
BNA_G
ClientSampleId :
LF001MW003-200616

Tot Ion:152 Resp: 47505
Ion Ratio Lower Upper
152 100
150 163.8 113.1 169.7
115 61.2 43.8 65.6



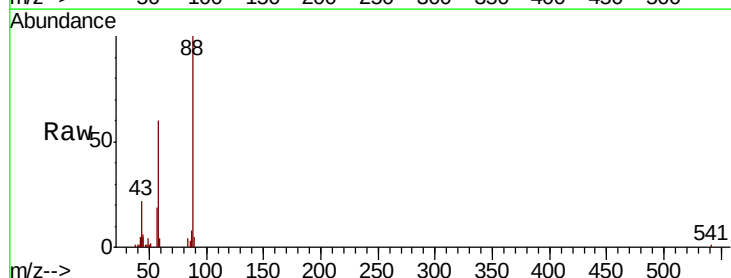
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



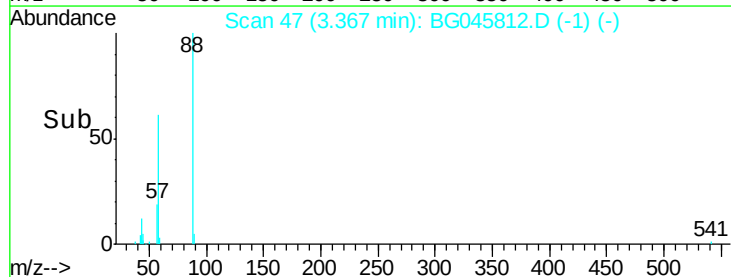
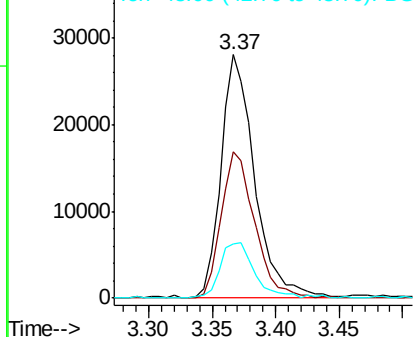
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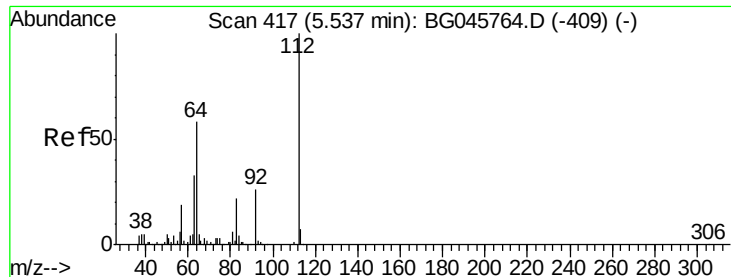
1,4-Dioxane
Concen: 39.982 ng
RT: 3.37 min Scan# 47
Delta R.T. -0.00 min
Lab File: BG045812.D
Acq: 19 Jun 2020 12:45

Tgt Ion: 88 Resp: 51498
Ion Ratio Lower Upper
88 100
58 59.7 46.1 69.1
43 23.4 19.2 28.8



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: 45.470 ng

RT: 5.53 min Scan# 415

Delta R.T. -0.01 min

Lab File: BG045812.D

Acq: 19 Jun 2020 12:45

Instrument :

BNA_G

ClientSampleId :

LF001MW003-200616

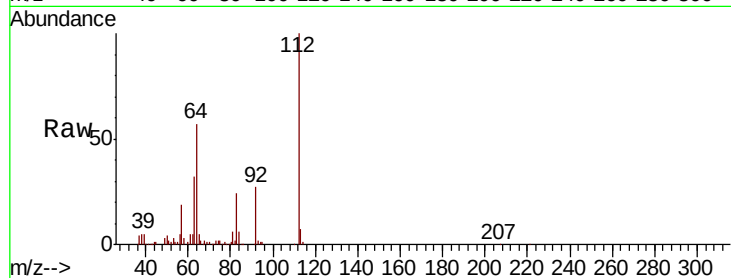
Tot Ion:112 Resp: 127871

Ion Ratio Lower Upper

112 100

64 57.3 46.6 69.8

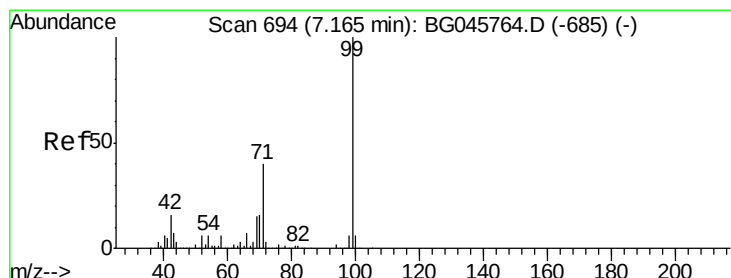
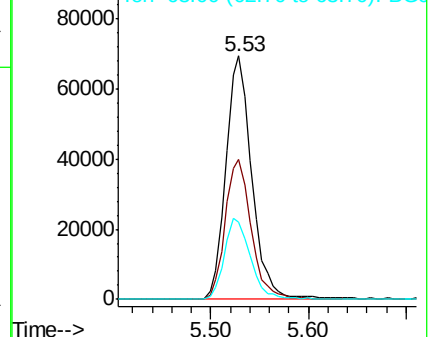
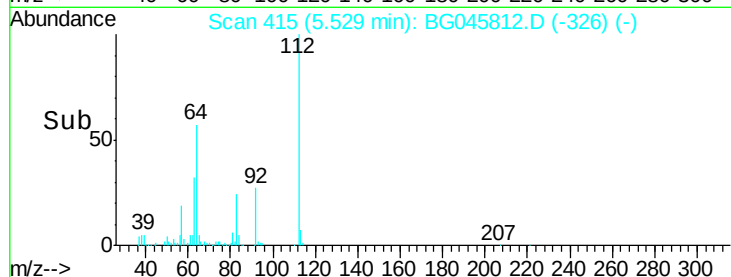
63 31.8 26.3 39.5



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: 26.789 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.02 min

Lab File: BG045812.D

Acq: 19 Jun 2020 12:45

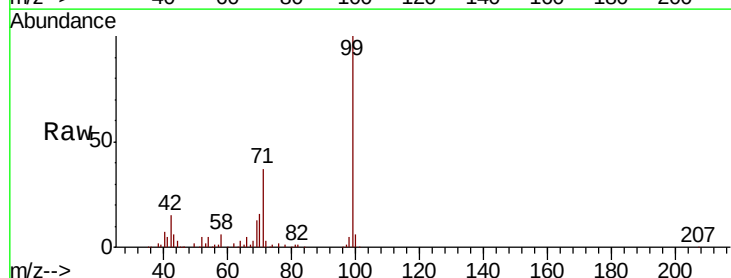
Tgt Ion: 99 Resp: 114594

Ion Ratio Lower Upper

99 100

42 15.4 12.4 18.6

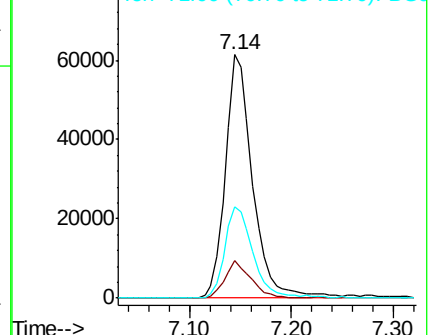
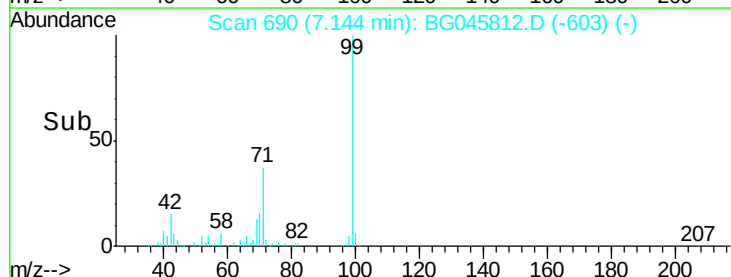
71 37.3 32.1 48.1

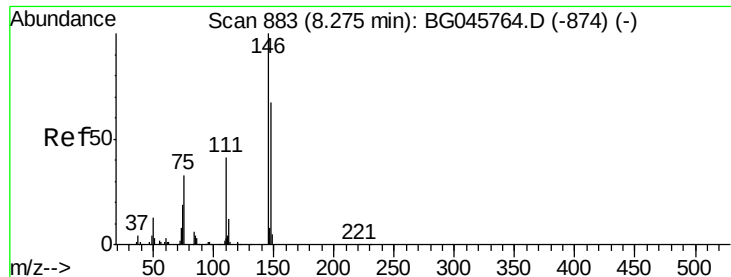


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC

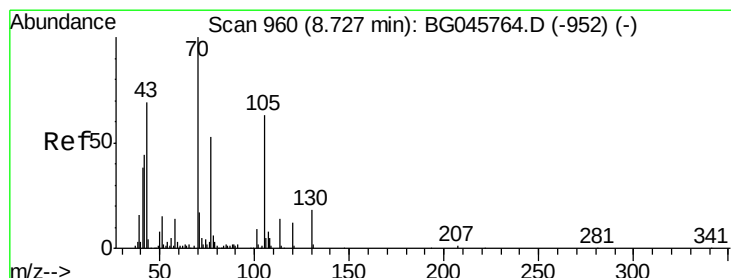
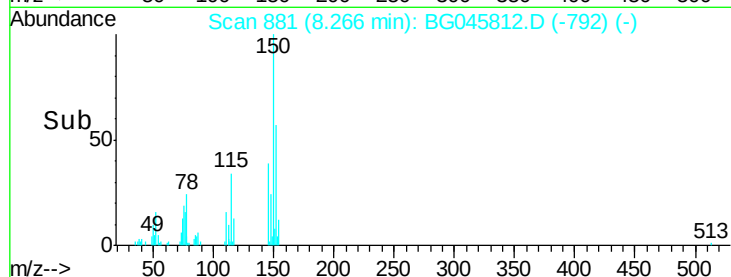
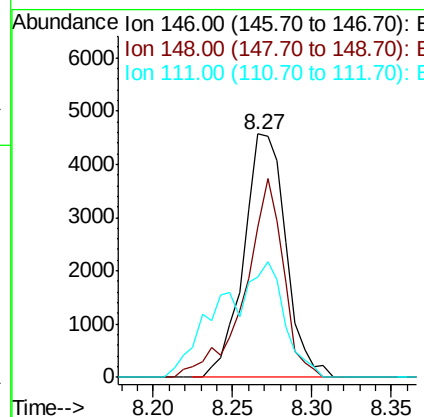
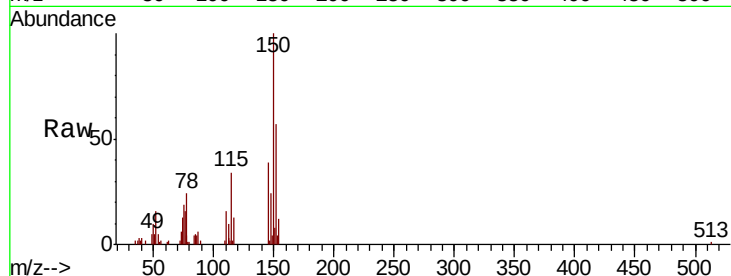




#14
 1,2-Dichlorobenzene
 Concen: 2.465 ng
 RT: 8.27 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: BG045812.D
 Acq: 19 Jun 2020 12:45

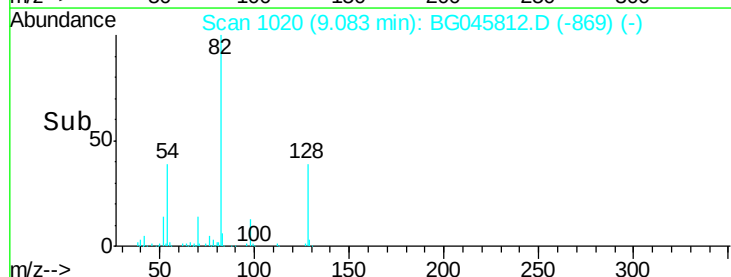
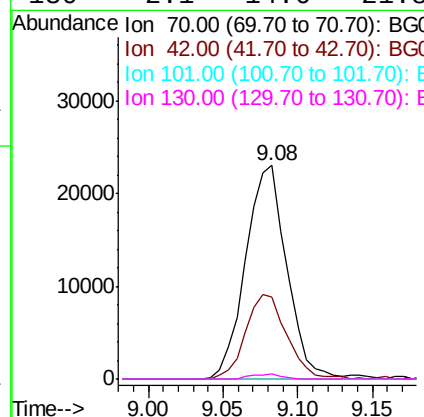
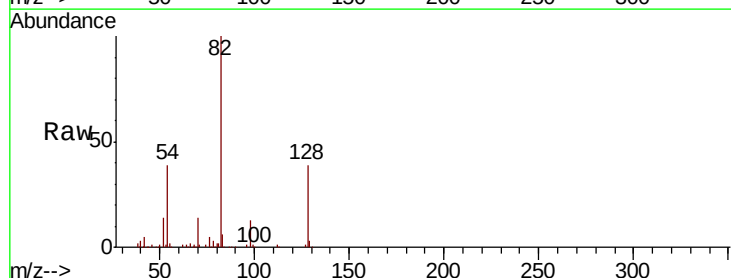
Instrument :
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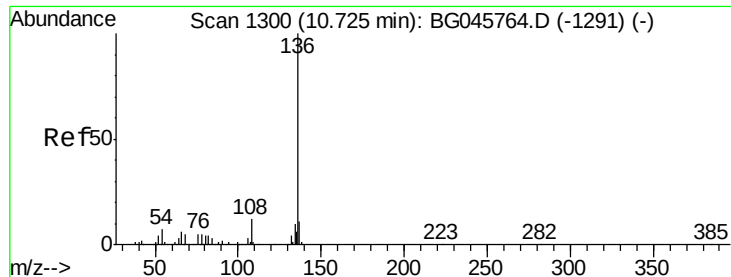
Tot Ion	Ratio	Lower	Upper
146	100		
148	61.9	54.1	81.1
111	41.3	32.9	49.3



#19
 n-Nitroso-di-n-propylamine
 Concen: 15.550 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. 0.36 min
 Lab File: BG045812.D
 Acq: 19 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
70	100		
42	38.1	35.1	52.7
101	0.0	7.4	11.0#
130	2.1	14.6	21.8#

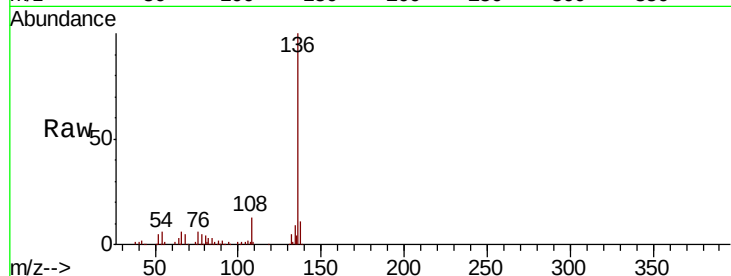




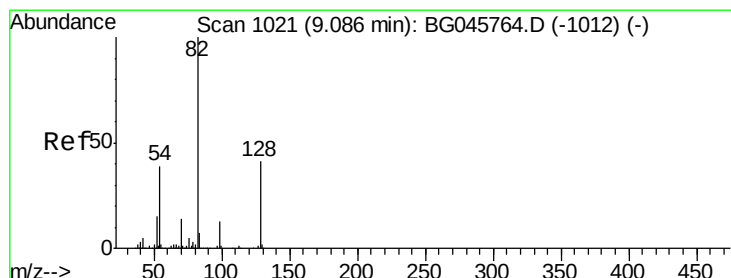
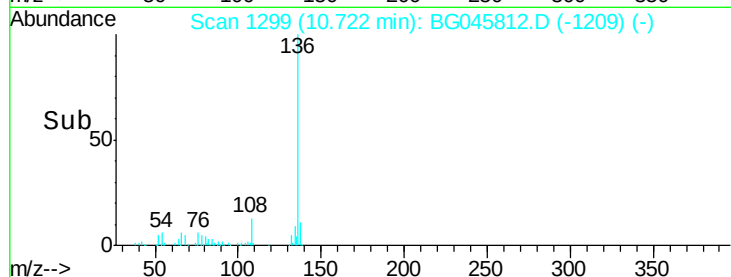
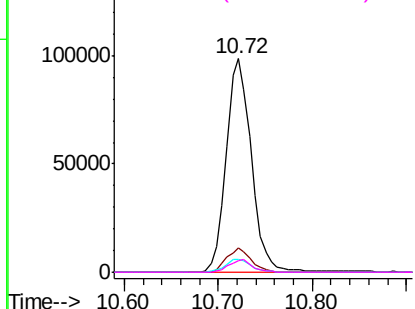
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BG045812.D
Acq: 19 Jun 2020 12:45

Instrument :
BNA_G
ClientSampleId :
LF001MW003-200616

Tot Ion:136	Resp:	183281
Ion Ratio	Lower	Upper
136 100		
137 11.4	8.7	13.1
54 6.2	5.8	8.6
68 5.5	4.0	6.0

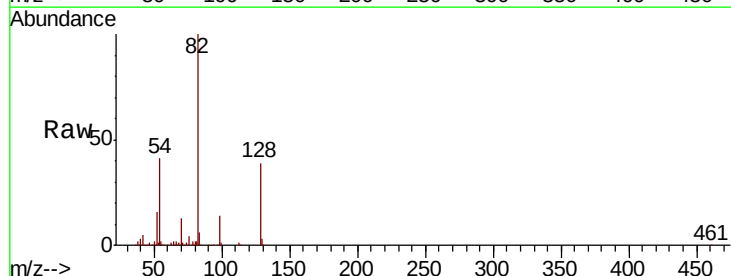


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

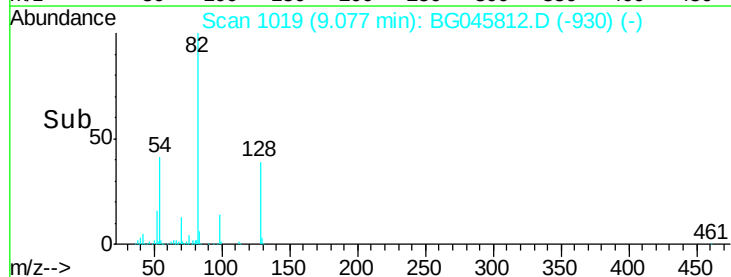
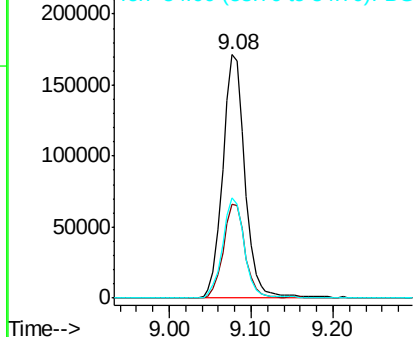


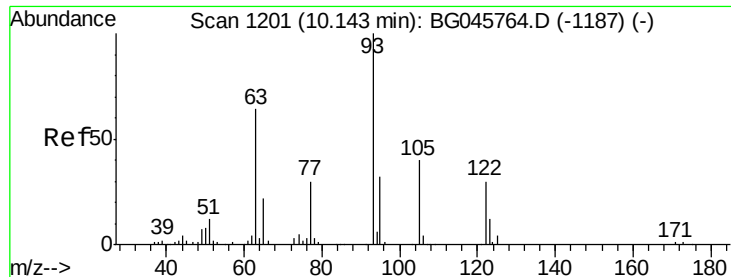
#23
Nitrobenzene-d5
Concen: 81.072 ng
RT: 9.08 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG045812.D
Acq: 19 Jun 2020 12:45

Tgt Ion: 82	Resp: 325259
Ion Ratio	Lower Upper
82 100	
128 38.8	32.5 48.7
54 41.1	31.2 46.8



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

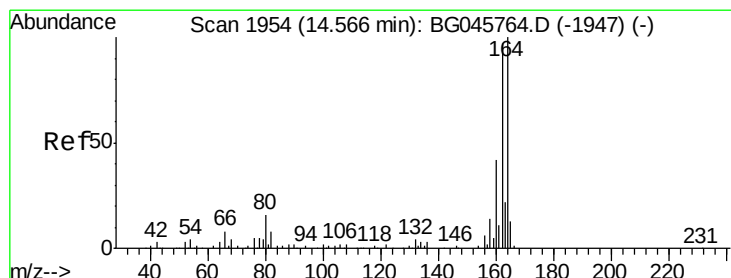
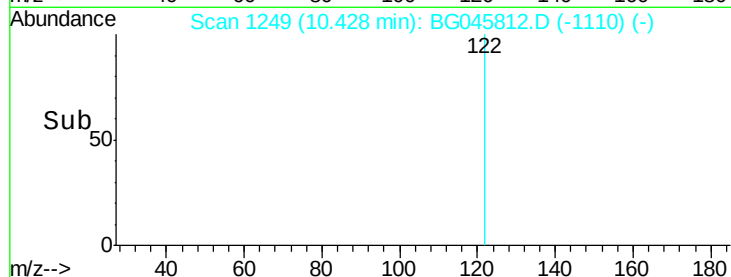
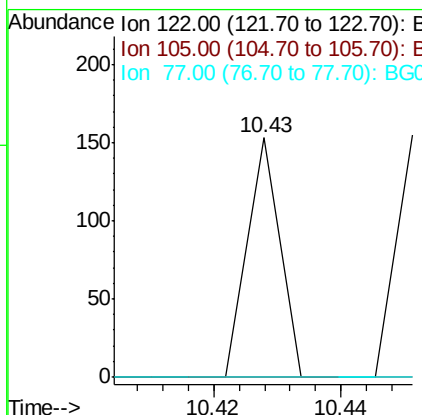
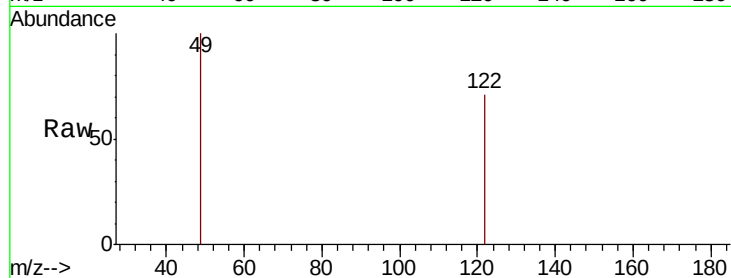




#32
Benzoic acid
Concen: 9.003 ng
RT: 10.43 min Scan# 1249
Delta R.T. 0.29 min
Lab File: BG045812.D
Acq: 19 Jun 2020 12:45

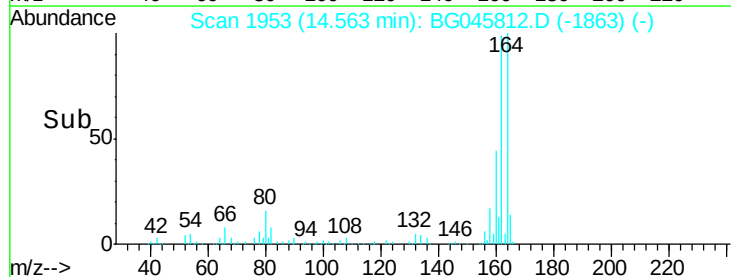
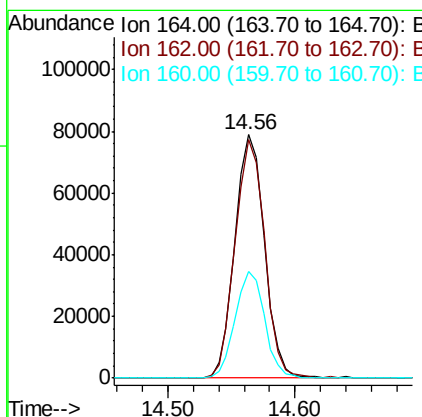
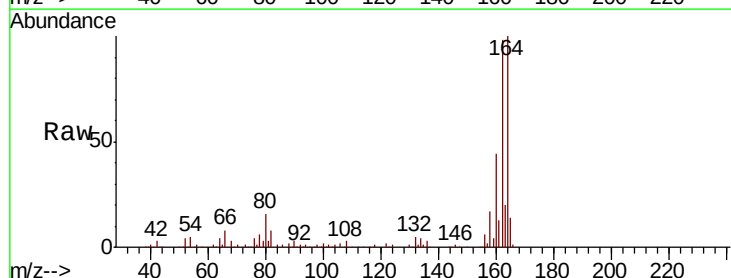
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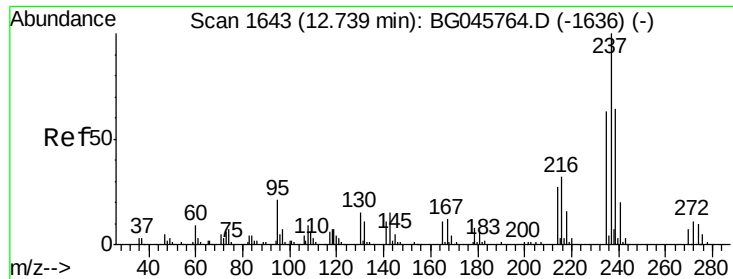
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	112.9	152.9#
77	0.0	79.2	119.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.56 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BG045812.D
Acq: 19 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.8	77.4	116.0
160	43.6	33.3	49.9





#41

Hexachlorocyclopentadiene

Concen: 8.443 ng

RT: 12.67 min Scan# 1631

Delta R.T. -0.07 min

Lab File: BG045812.D

Acq: 19 Jun 2020 12:45

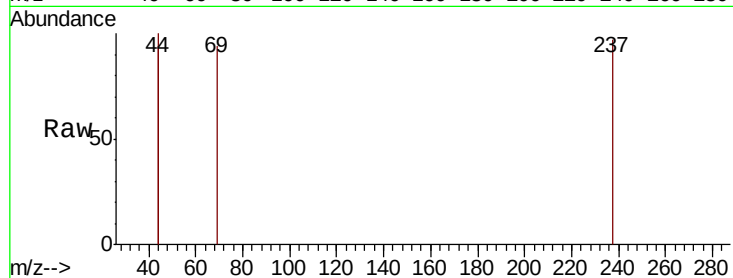
Instrument :

BNA_G

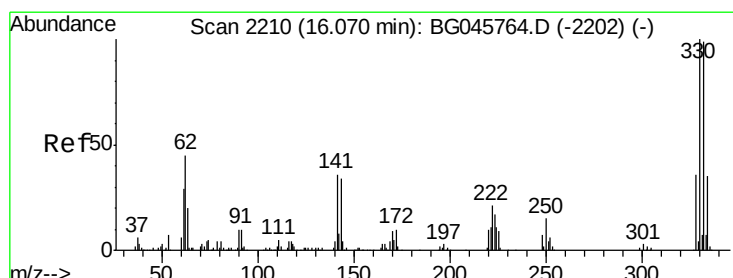
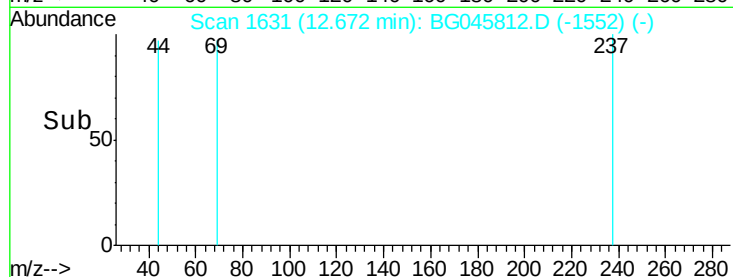
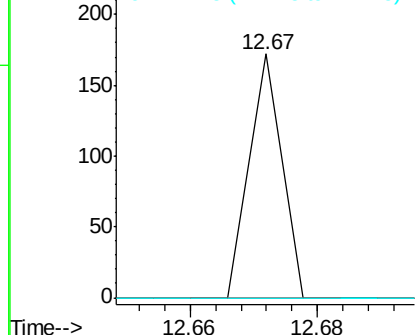
ClientSampleId :

LF001MW003-200616

Tot Ion:237	Resp:	61
Ion Ratio	Lower	Upper
237	100	
235	0.0	42.9 82.9#
272	0.0	0.0 30.9



Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 130.814 ng

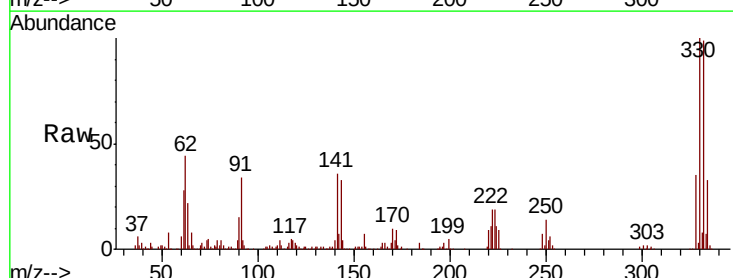
RT: 16.07 min Scan# 2209

Delta R.T. -0.00 min

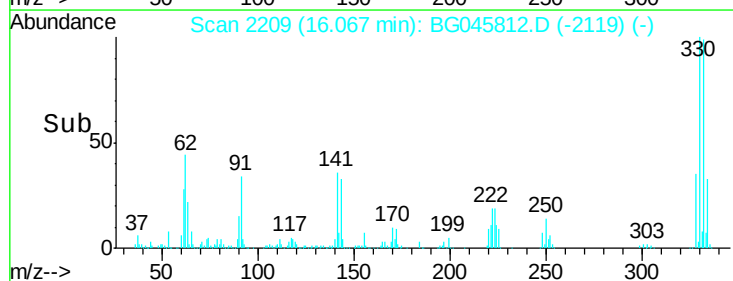
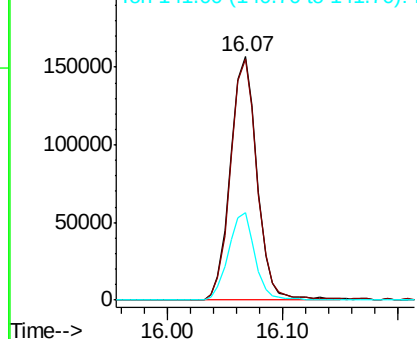
Lab File: BG045812.D

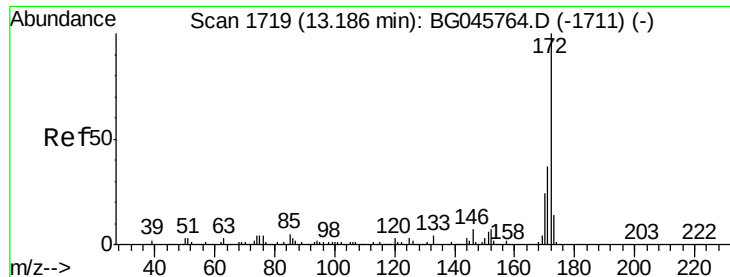
Acq: 19 Jun 2020 12:45

Tgt Ion:330	Resp:	251603
Ion Ratio	Lower	Upper
330	100	
332	98.5	78.6 117.8
141	35.2	28.2 42.4



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

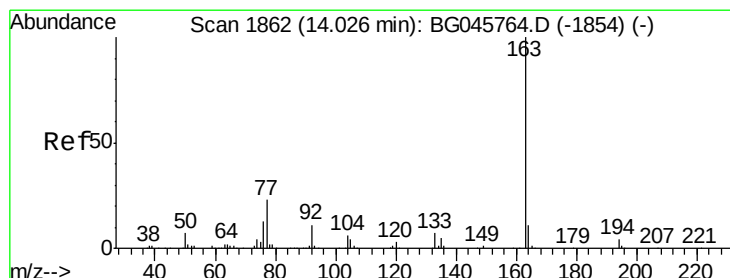
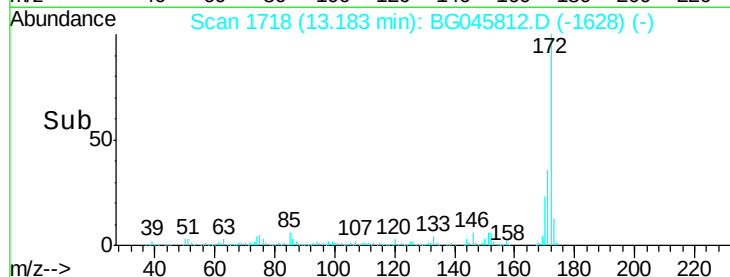
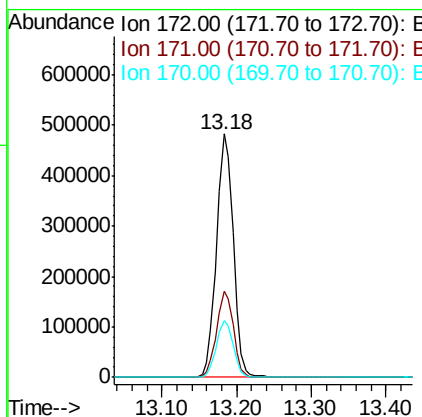
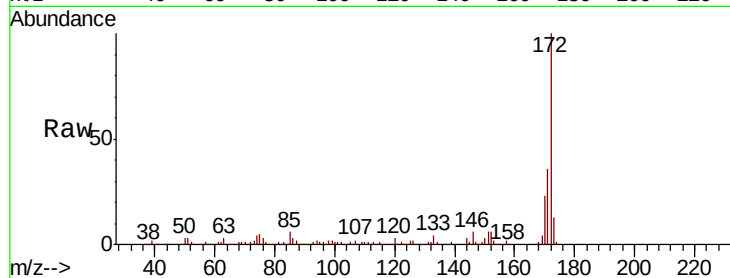




#45
2-Fluorobiphenyl
Concen: 87.118 ng
RT: 13.18 min Scan# 1718
Delta R.T. -0.00 min
Lab File: BG045812.D
Acq: 19 Jun 2020 12:45

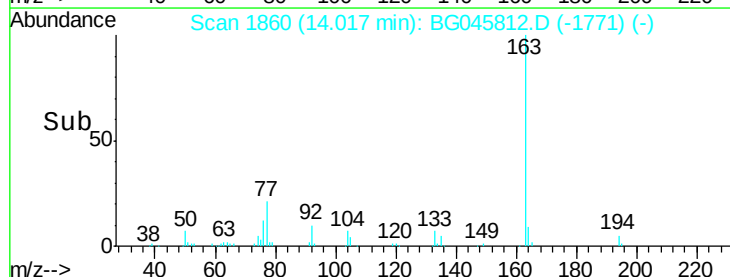
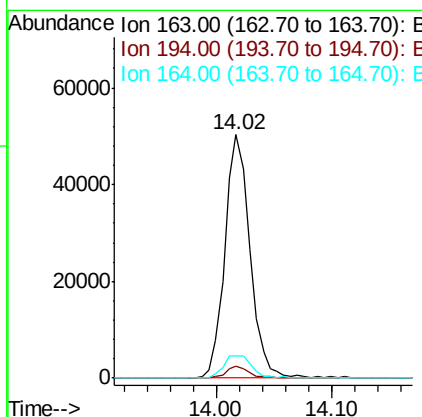
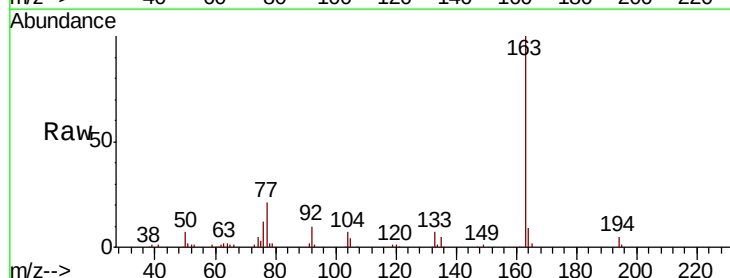
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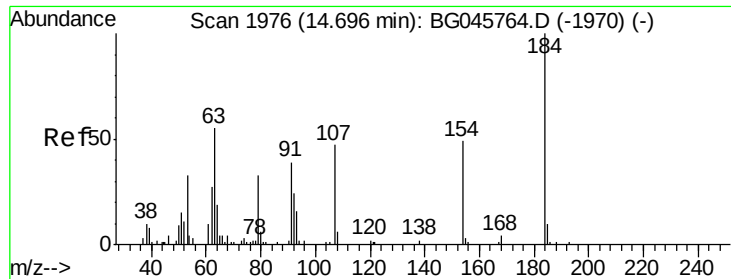
Tot Ion:172 Resp: 755230
Ion Ratio Lower Upper
172 100
171 35.6 29.9 44.9
170 23.3 19.3 28.9



#50
Dimethylphthalate
Concen: 7.614 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BG045812.D
Acq: 19 Jun 2020 12:45

Tgt Ion:163 Resp: 75989
Ion Ratio Lower Upper
163 100
194 4.7 3.4 5.0
164 9.2 8.9 13.3

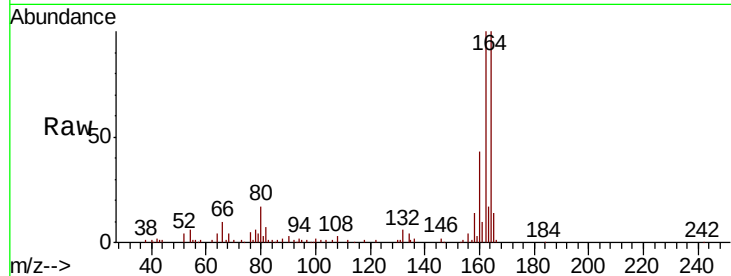




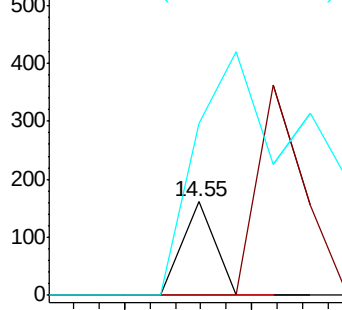
#54
 2,4-Dinitrophenol
 Concen: 9.866 ng
 RT: 14.55 min Scan# 1951
 Delta R.T. -0.14 min
 Lab File: BG045812.D
 Acq: 19 Jun 2020 12:45

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW003-200616

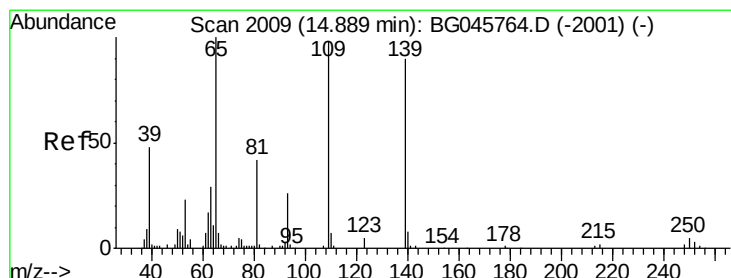
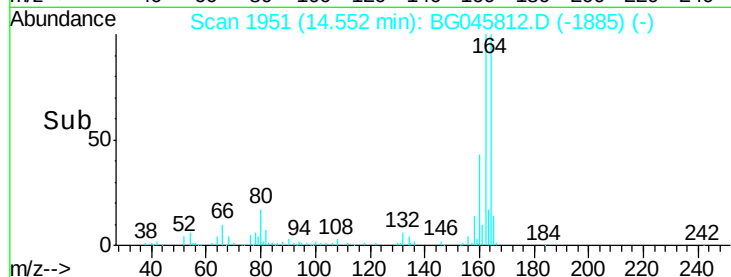
Tot Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 46.6 70.0#
 154 183.9 58.6 87.8#



Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 154.00 (153.70 to 154.70): E

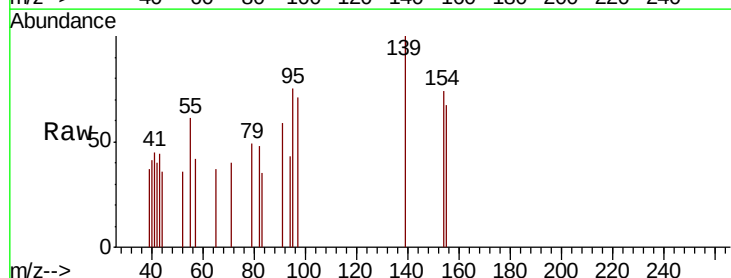


Time-->

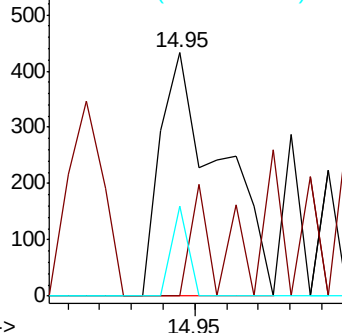


#56
 4-Nitrophenol
 Concen: 4.309 ng
 RT: 14.95 min Scan# 2018
 Delta R.T. 0.06 min
 Lab File: BG045812.D
 Acq: 19 Jun 2020 12:45

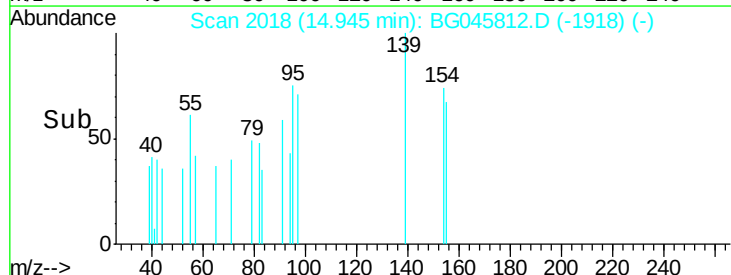
Tgt Ion:139 Resp: 567
 Ion Ratio Lower Upper
 139 100
 109 0.0 88.9 128.9#
 65 36.7 92.3 132.3#

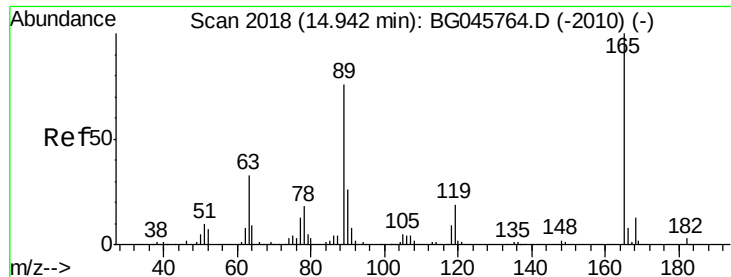


Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BGC



Time-->

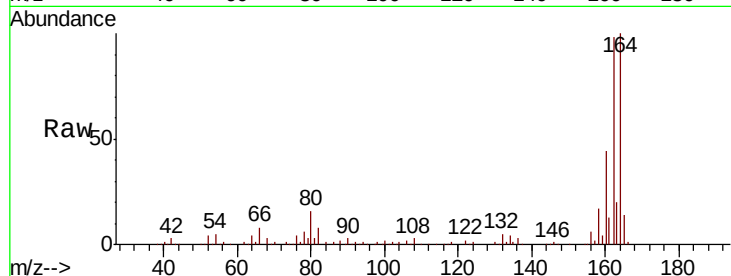




#57
 2,4-Dinitrotoluene
 Concen: 5.163 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.38 min
 Lab File: BG045812.D
 Acq: 19 Jun 2020 12:45

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW003-200616

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.4	33.8	50.8#
89	1.8	60.4	90.6#
182	0.0	2.6	3.8#

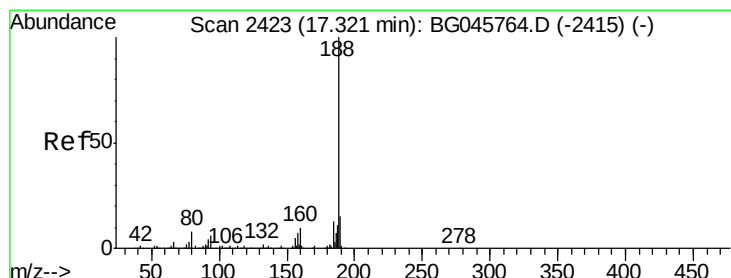
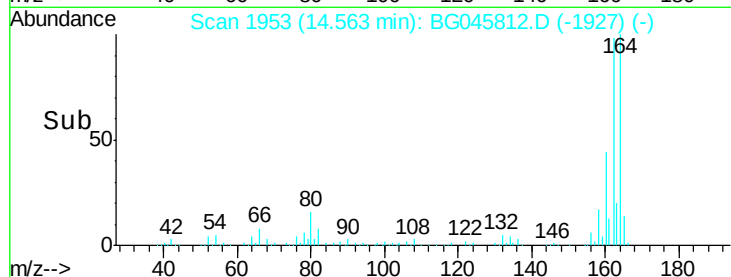
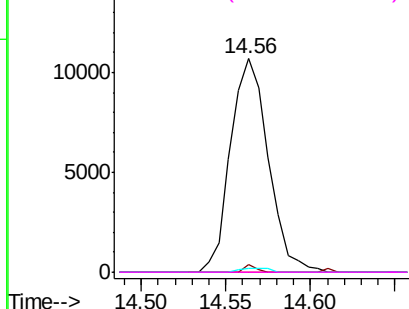


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

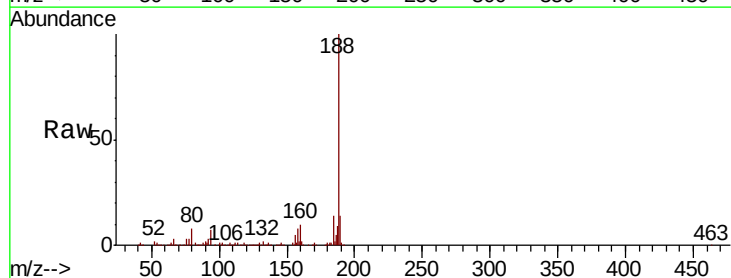
Ion 89.00 (88.70 to 89.70): BGC

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: BG045812.D
 Acq: 19 Jun 2020 12:45

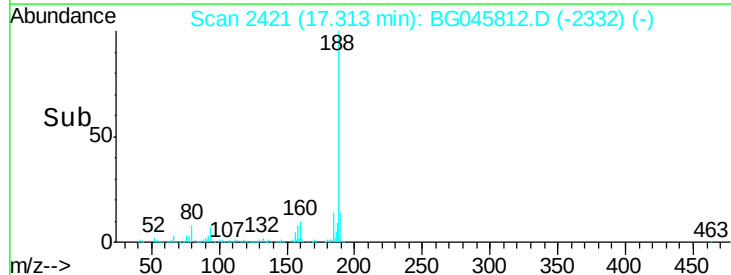
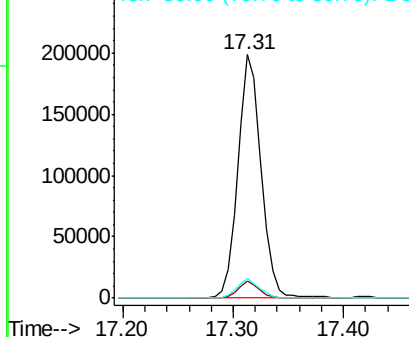
Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.8	5.1	7.7
80	7.9	6.2	9.4

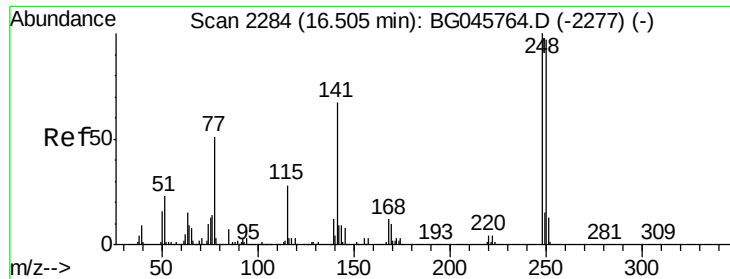


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

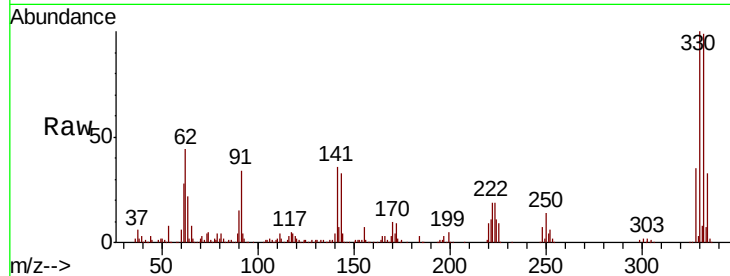




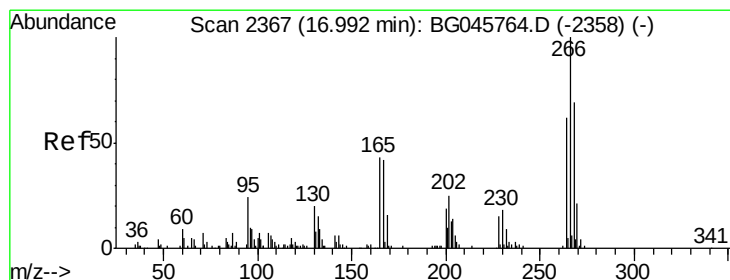
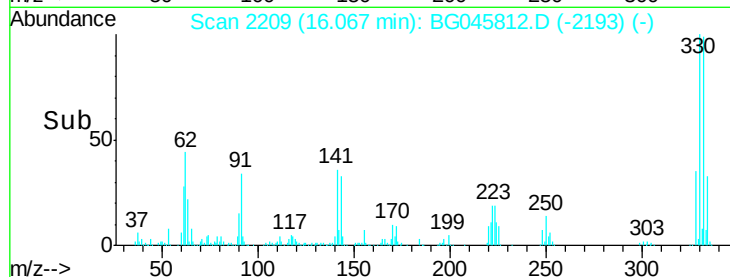
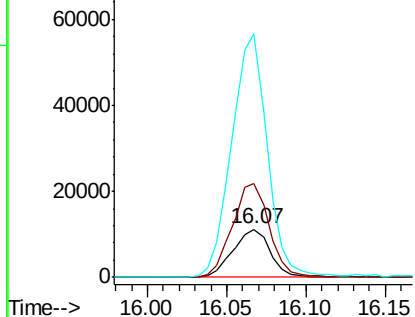
#67
 4-Bromophenyl-phenylether
 Concen: 4.722 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.44 min
 Lab File: BG045812.D
 Acq: 19 Jun 2020 12:45

Instrument :
 BNA_G
 ClientSampleId :
 LF001MW003-200616

Tot Ion:248 Resp: 17976
 Ion Ratio Lower Upper
 248 100
 250 195.1 78.0 117.0#
 141 505.8 53.9 80.9#

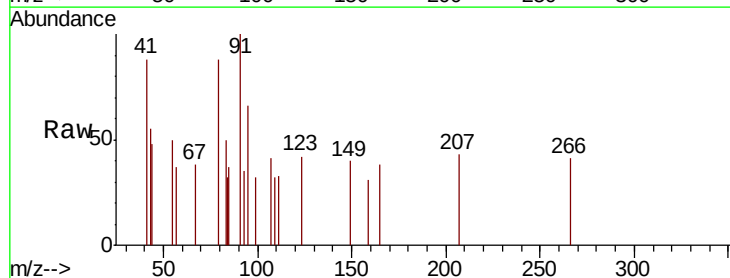


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

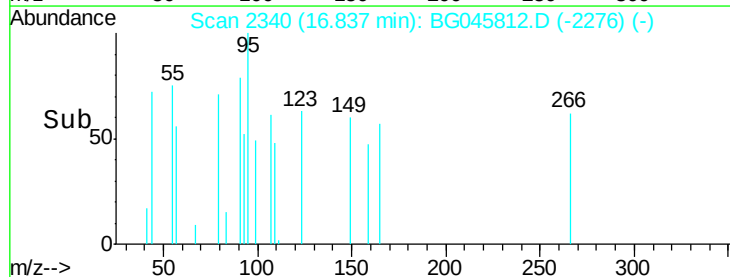
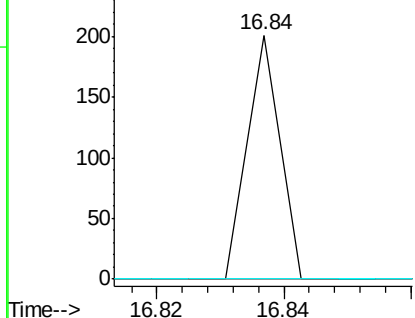


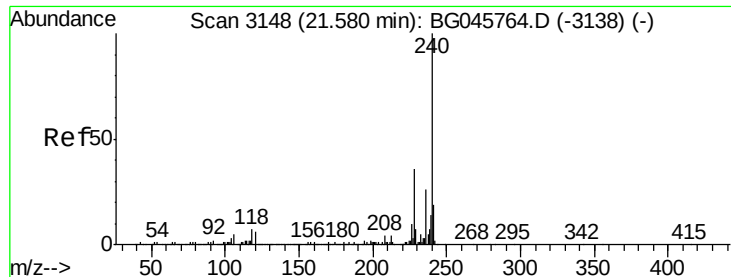
#70
 Pentachlorophenol
 Concen: 7.665 ng
 RT: 16.84 min Scan# 2340
 Delta R.T. -0.16 min
 Lab File: BG045812.D
 Acq: 19 Jun 2020 12:45

Tgt Ion:266 Resp: 71
 Ion Ratio Lower Upper
 266 100
 268 0.0 55.4 83.0#
 264 0.0 49.8 74.6#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.01 min

Lab File: BG045812.D

Acq: 19 Jun 2020 12:45

Instrument :

BNA_G

ClientSampleId :

LF001MW003-200616

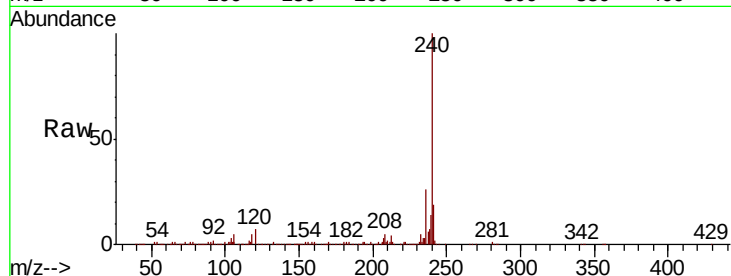
Tot Ion:240 Resp: 295422

Ion Ratio Lower Upper

240 100

120 6.8 5.0 7.4

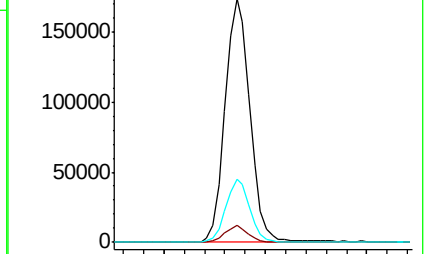
236 26.2 20.6 30.8



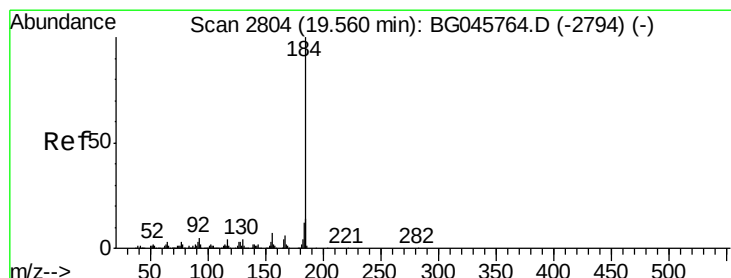
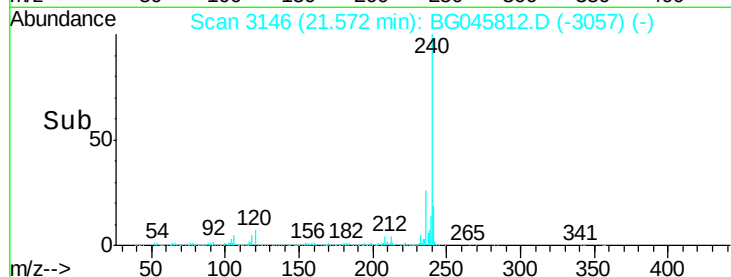
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Benzidine

Concen: 3.301 ng

RT: 19.93 min Scan# 2867

Delta R.T. 0.37 min

Lab File: BG045812.D

Acq: 19 Jun 2020 12:45

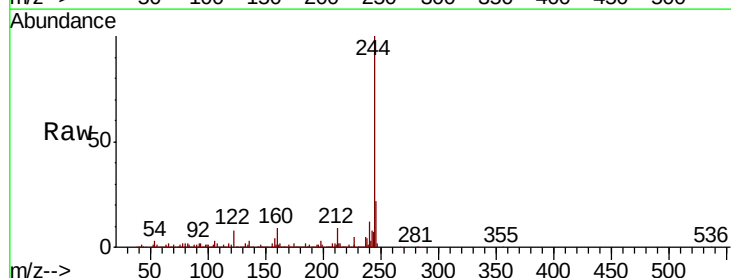
Tgt Ion:184 Resp: 25355

Ion Ratio Lower Upper

184 100

185 19.3 11.1 16.7#

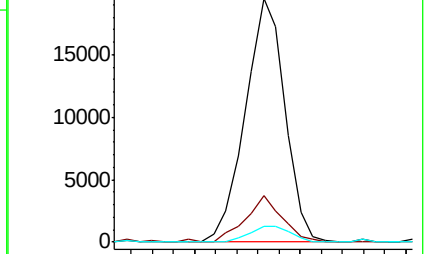
183 6.3 9.7 14.5#



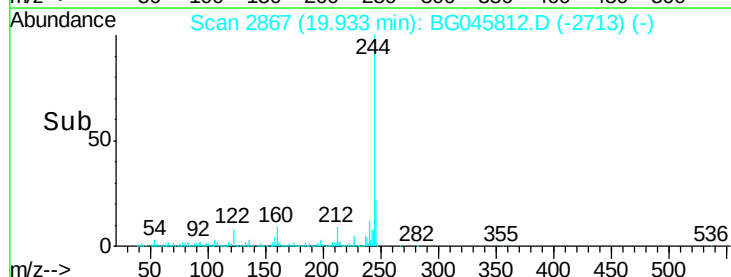
Abundance Ion 184.00 (183.70 to 184.70): E

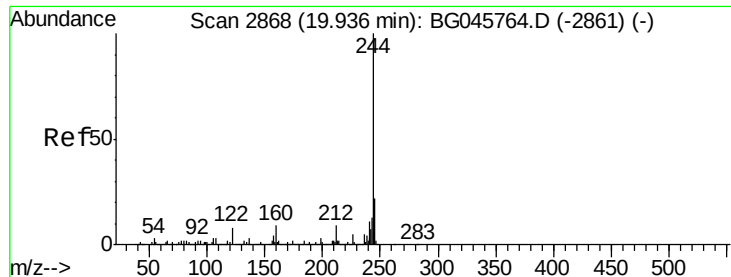
Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time-->





#79

Terphenyl-d14

Concen: 96.335 ng

RT: 19.93 min Scan# 2867

Delta R.T. -0.00 min

Lab File: BG045812.D

Acq: 19 Jun 2020 12:45

Instrument :

BNA_G

ClientSampleId :

LF001MW003-200616

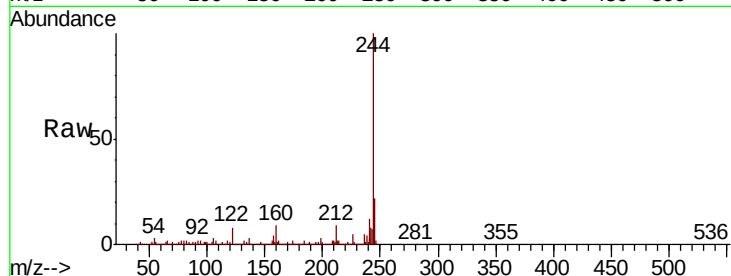
Tot Ion:244 Resp: 1404306

Ion Ratio Lower Upper

244 100

212 8.8 7.2 10.8

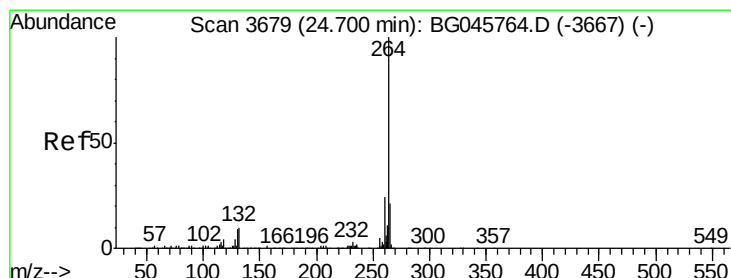
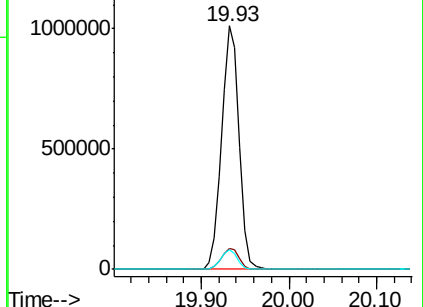
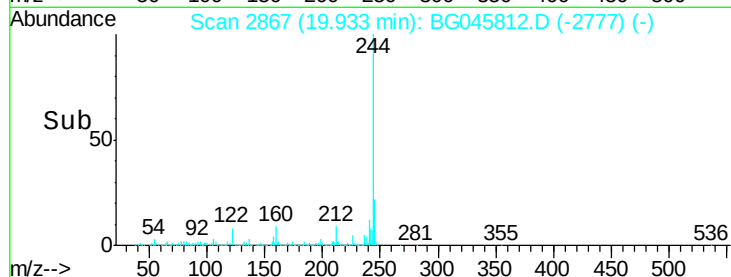
122 8.3 6.4 9.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.70 min Scan# 3678

Delta R.T. -0.00 min

Lab File: BG045812.D

Acq: 19 Jun 2020 12:45

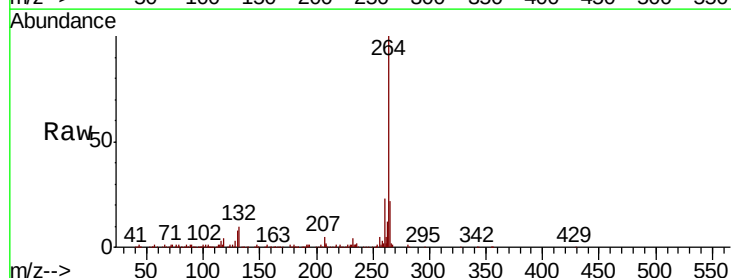
Tgt Ion:264 Resp: 321524

Ion Ratio Lower Upper

264 100

260 22.7 19.0 28.4

265 22.2 17.4 26.0



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

