

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061920\
 Data File : BG045813.D
 Acq On : 19 Jun 2020 13:25
 Operator : CG/JU
 Sample : L3033-09
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LF017MW005-200616

Quant Time: Jun 19 14:55:12 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

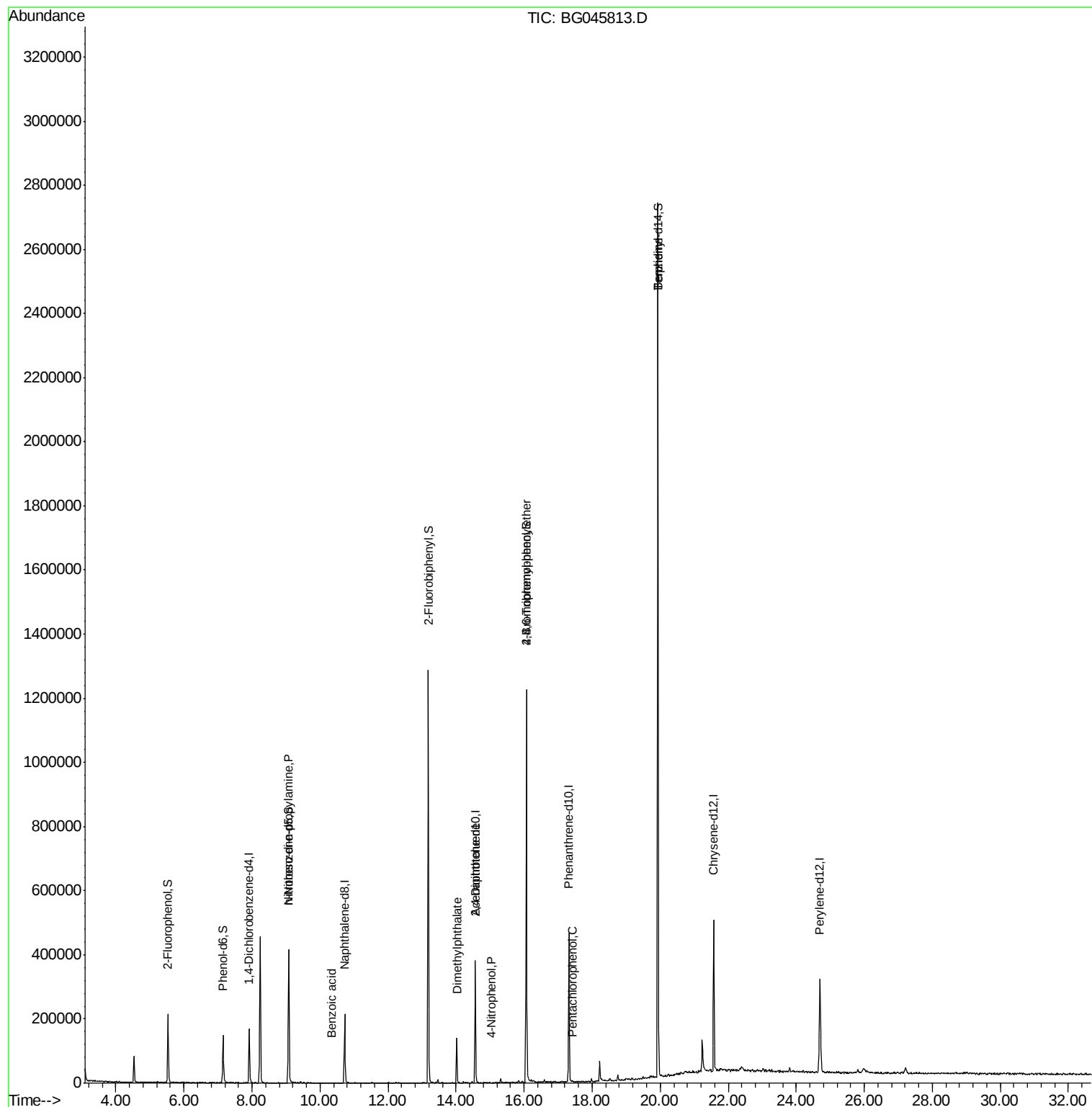
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	51265	20.00	ng	0.00
21) Naphthalene-d8	10.72	136	198815	20.00	ng	0.00
39) Acenaphthene-d10	14.57	164	139018	20.00	ng	0.00
64) Phenanthrene-d10	17.32	188	312069	20.00	ng	0.00
76) Chrysene-d12	21.57	240	302827	20.00	ng	0.00
86) Perylene-d12	24.69	264	330790	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	109269	36.01	ng	-0.01
7) Phenol-d6	7.15	99	106296	23.03	ng	-0.02
23) Nitrobenzene-d5	9.08	82	285506	65.60	ng	0.00
42) 2,4,6-Tribromophenol	16.06	330	248708	118.50	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	720860	76.20	ng	0.00
79) Terphenyl-d14	19.94	244	1331566	89.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.07	70	41407	13.644	ng	# 81
32) Benzoic acid	10.34	122	53	9.000	ng	# 1
50) Dimethylphthalate	14.02	163	97613	8.963	ng	# 99
56) 4-Nitrophenol	15.05	139	54	4.002	ng	# 1
57) 2,4-Dinitrotoluene	14.57	165	17030	4.859	ng	# 24
67) 4-Bromophenyl-phenylether	16.06	248	16559	4.084	ng	# 1
70) Pentachlorophenol	17.42	266	57	7.657	ng	# 17
77) Benzidine	19.94	184	24923	3.166	ng	# 91

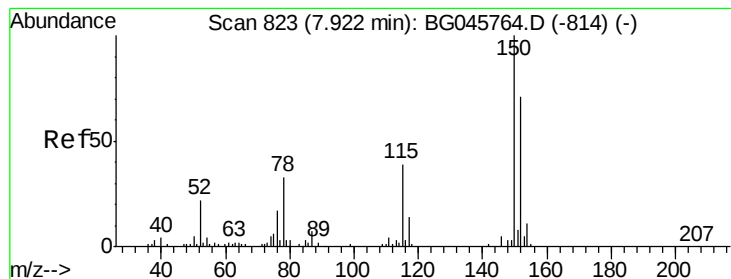
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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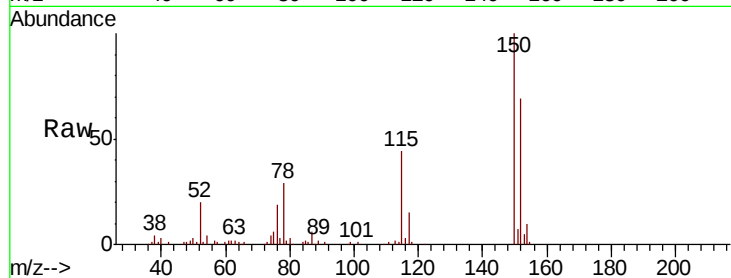


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

Instrument :
BNA_G
ClientSampleId :
LF017MW005-200616

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.7	113.1	169.7
115	63.5	43.8	65.6

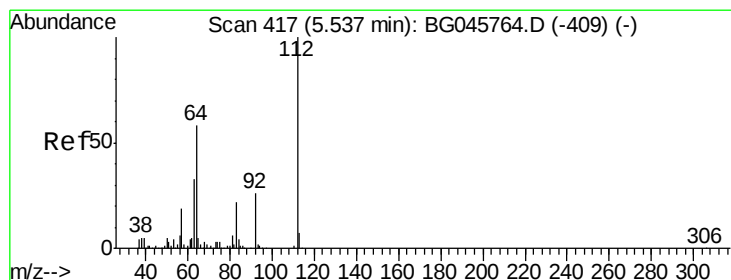
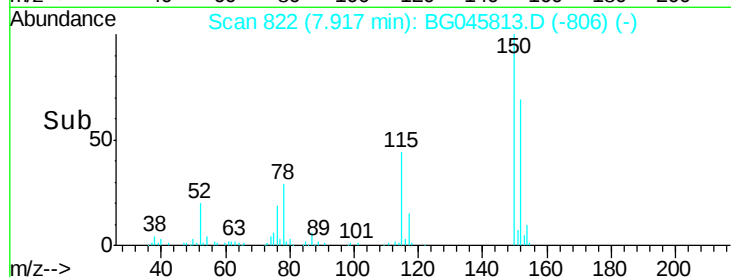
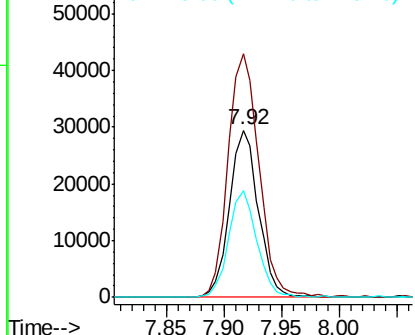


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

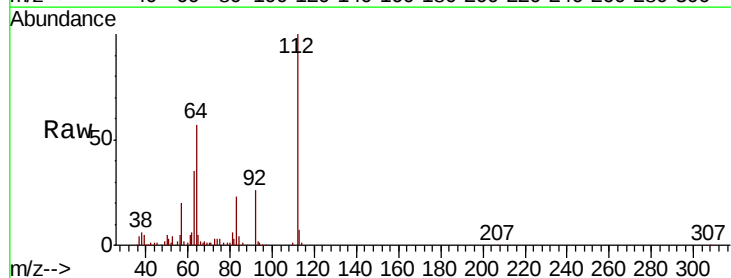
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 36.005 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	46.6	69.8
63	34.7	26.3	39.5

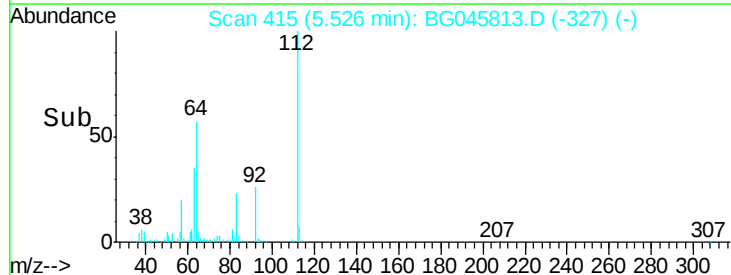
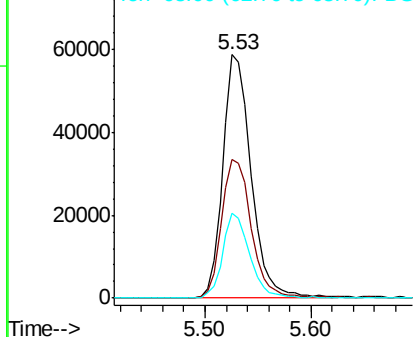


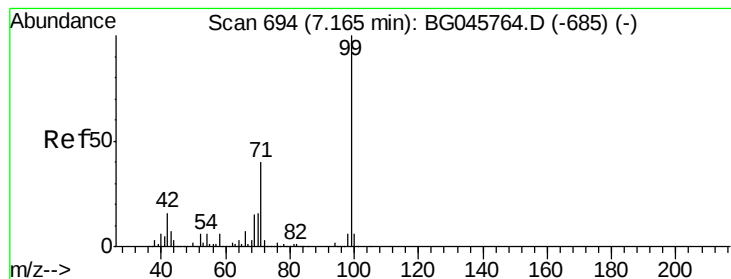
Abundance

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: 23.027 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.02 min

Lab File: BG045813.D

Acq: 19 Jun 2020 13:25

Instrument :

BNA_G

ClientSampleId :

LF017MW005-200616

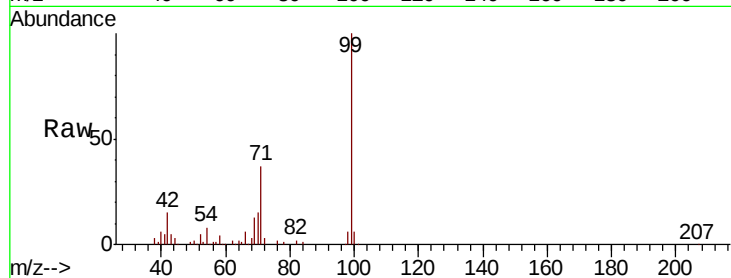
Tot Ion: 99 Resp: 106296

Ion Ratio Lower Upper

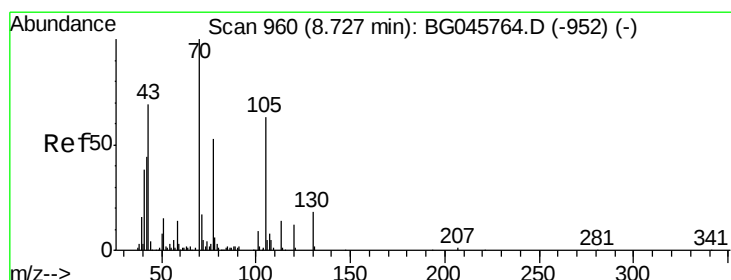
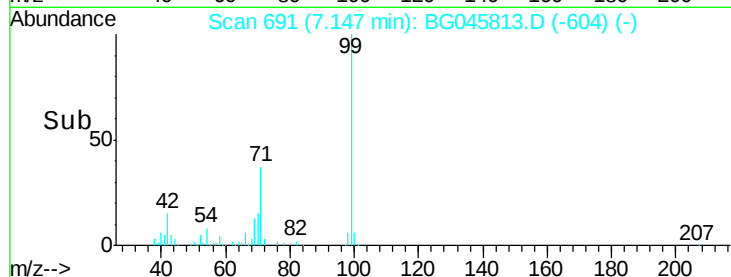
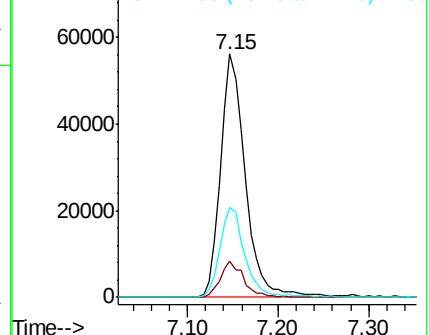
99 100

42 15.0 12.4 18.6

71 37.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.644 ng

RT: 9.07 min Scan# 1019

Delta R.T. 0.35 min

Lab File: BG045813.D

Acq: 19 Jun 2020 13:25

Tgt Ion: 70 Resp: 41407

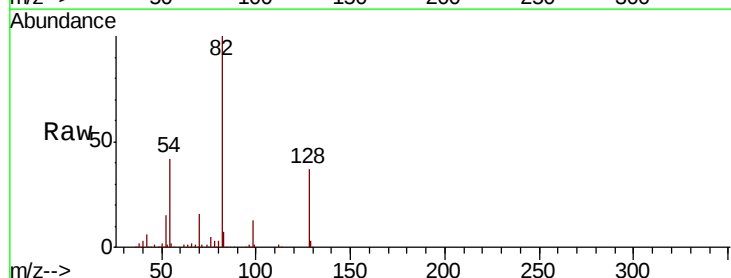
Ion Ratio Lower Upper

70 100

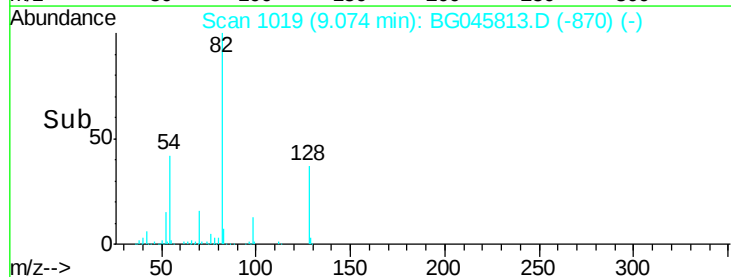
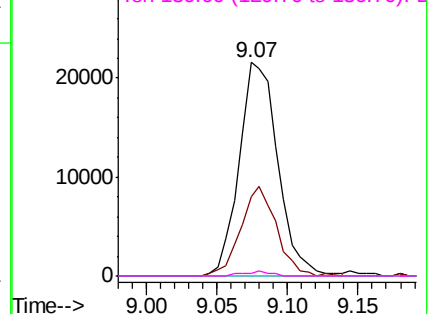
42 37.2 35.1 52.7

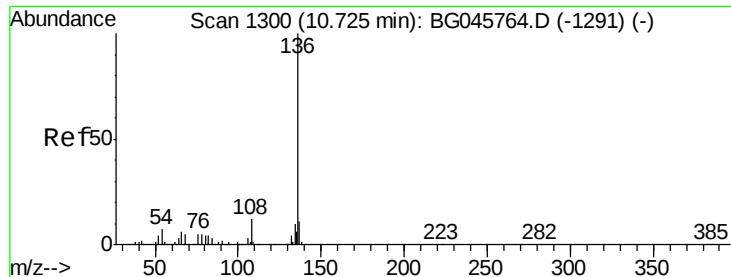
101 0.0 7.4 11.0#

130 1.2 14.6 21.8#



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

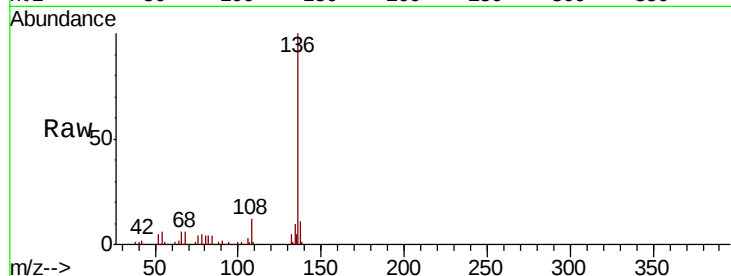




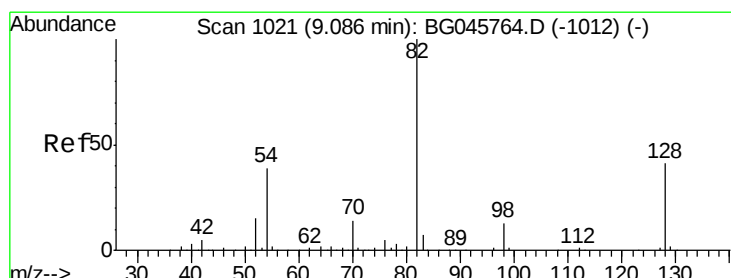
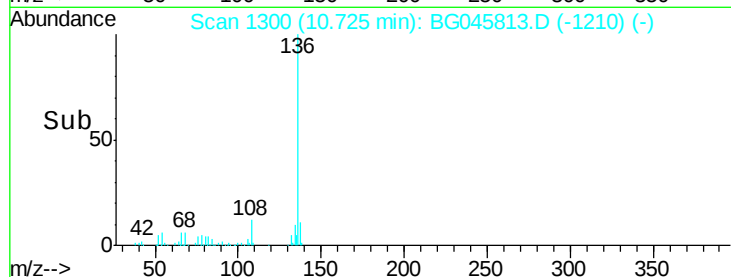
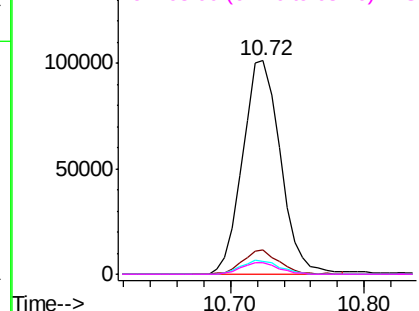
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.72 min Scan# 1300
Delta R.T. 0.00 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

Instrument :
BNA_G
ClientSampleId :
LF017MW005-200616

Tot Ion:136	Resp:	198815
Ion Ratio	Lower	Upper
136 100		
137 11.3	8.7	13.1
54 6.3	5.8	8.6
68 5.6	4.0	6.0

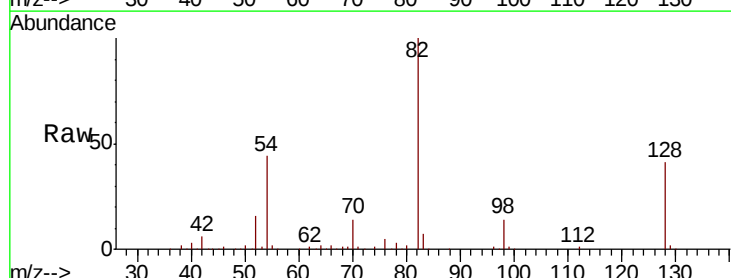


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

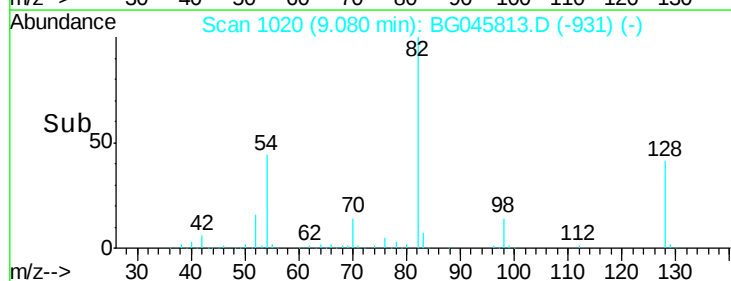
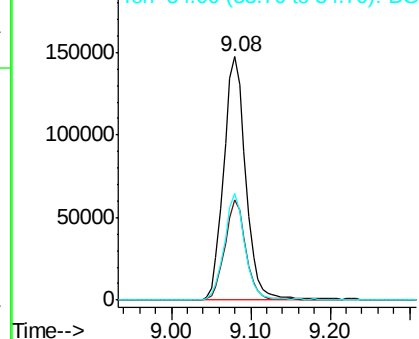


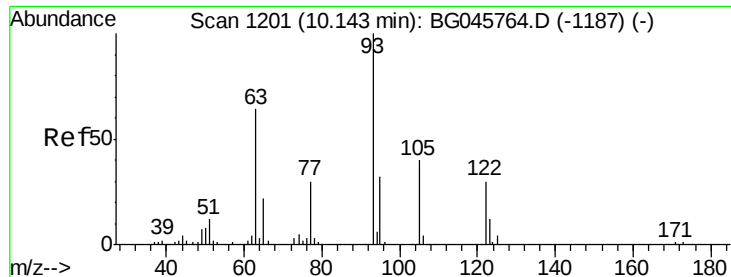
#23
Nitrobenzene-d5
Concen: 65.603 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

Tgt Ion: 82	Resp: 285506
Ion Ratio	Lower Upper
82 100	
128 41.4	32.5 48.7
54 43.6	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

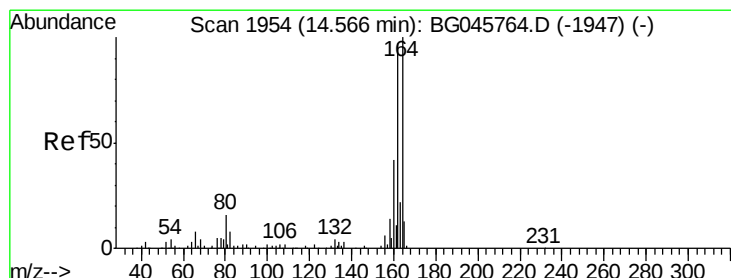
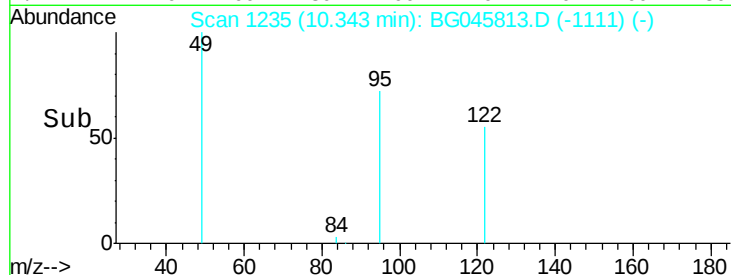
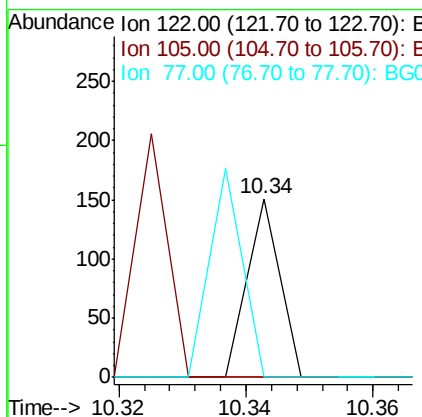
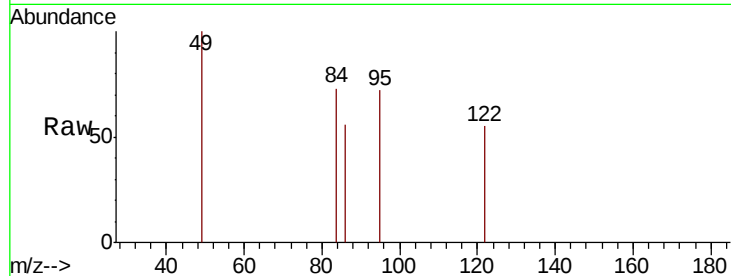




#32
Benzoic acid
Concen: 9.000 ng
RT: 10.34 min Scan# 1235
Delta R.T. 0.20 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

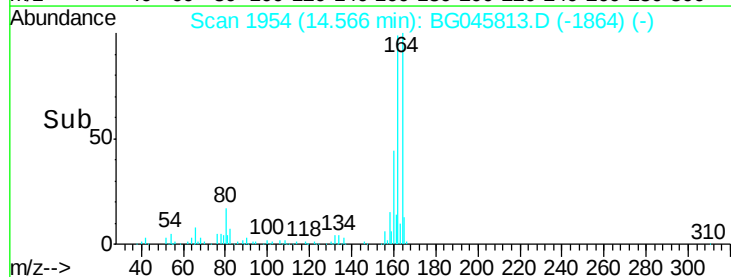
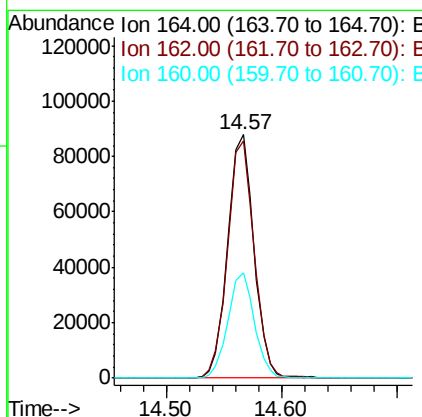
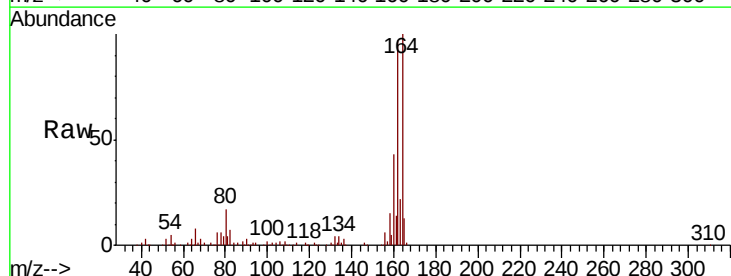
Instrument :
BNA_G
ClientSampleId :
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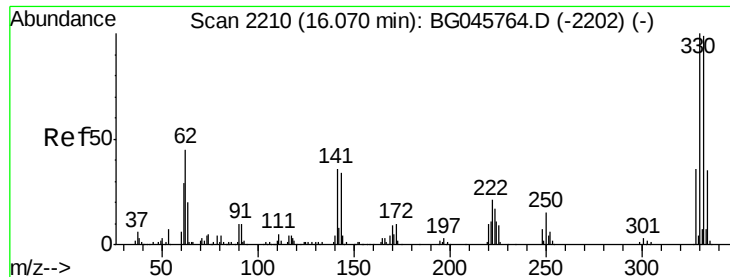
Tot Ion:122 Resp: 53
Ion Ratio Lower Upper
122 100
105 0.0 112.9 152.9#
77 0.0 79.2 119.2#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.57 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

Tgt Ion:164 Resp: 139018
Ion Ratio Lower Upper
164 100
162 97.3 77.4 116.0
160 43.1 33.3 49.9





#42

2,4,6-Tribromophenol

Concen: 118.499 ng

RT: 16.06 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BG045813.D

Acq: 19 Jun 2020 13:25

Instrument :

BNA_G

ClientSampleId :

LF017MW005-200616

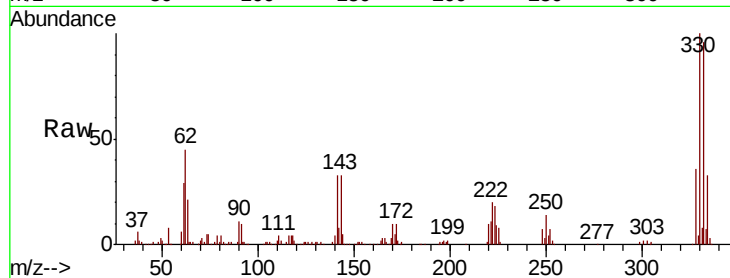
Tot Ion:330 Resp: 248708

Ion Ratio Lower Upper

330 100

332 96.8 78.6 117.8

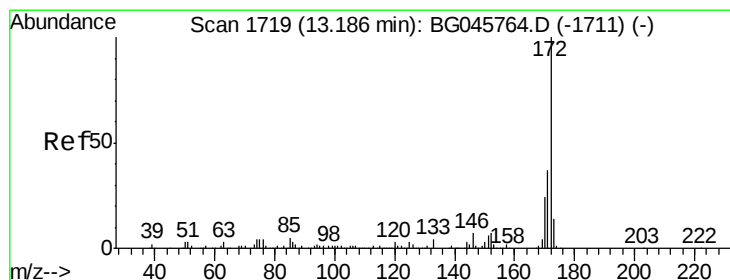
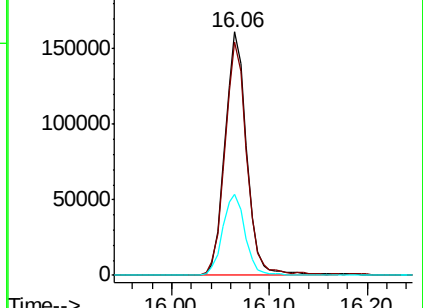
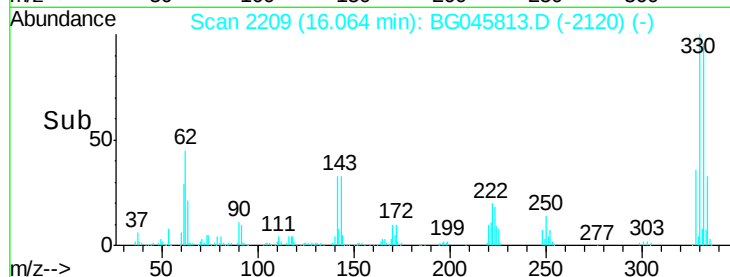
141 34.4 28.2 42.4



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: 76.202 ng

RT: 13.19 min Scan# 1719

Delta R.T. 0.00 min

Lab File: BG045813.D

Acq: 19 Jun 2020 13:25

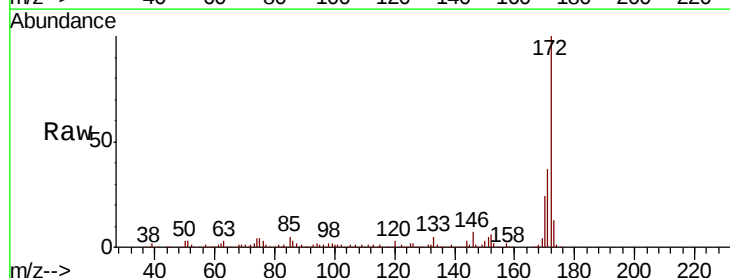
Tgt Ion:172 Resp: 720860

Ion Ratio Lower Upper

172 100

171 36.6 29.9 44.9

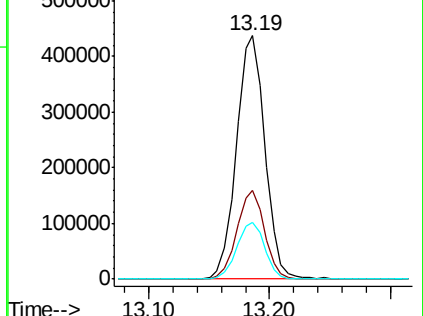
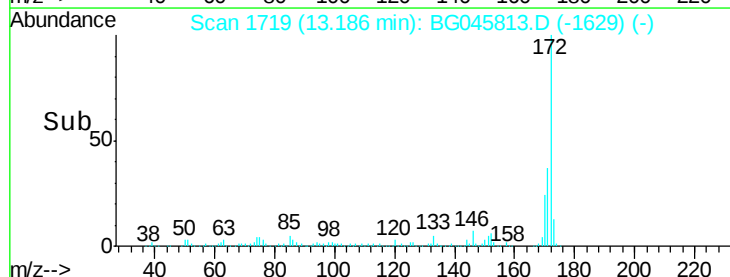
170 23.6 19.3 28.9

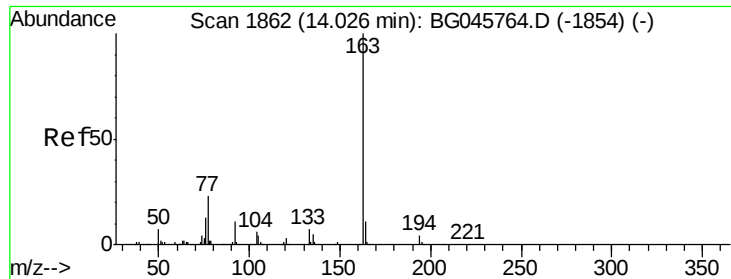


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

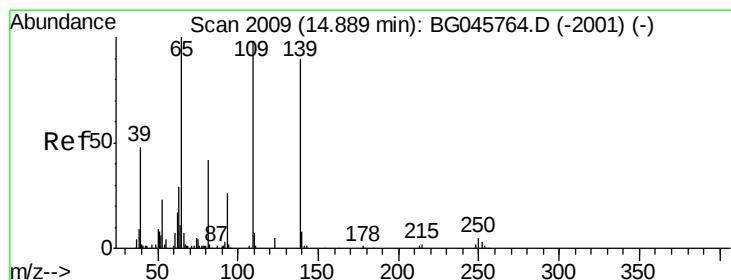
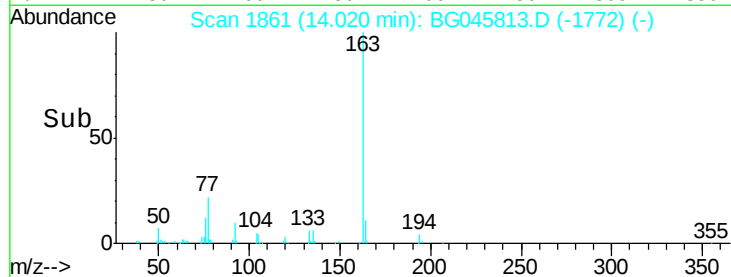
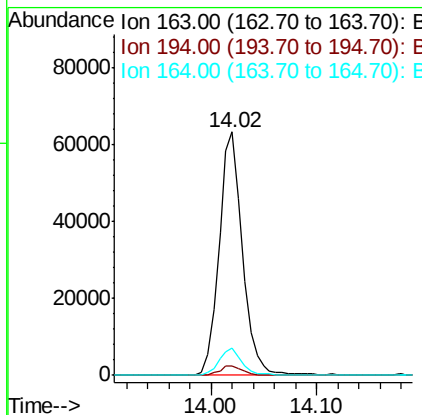
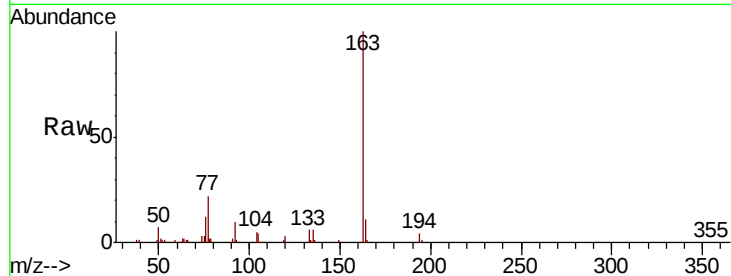




#50
Dimethylphthalate
Concen: 8.963 ng
RT: 14.02 min Scan# 1861
Delta R.T. -0.01 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

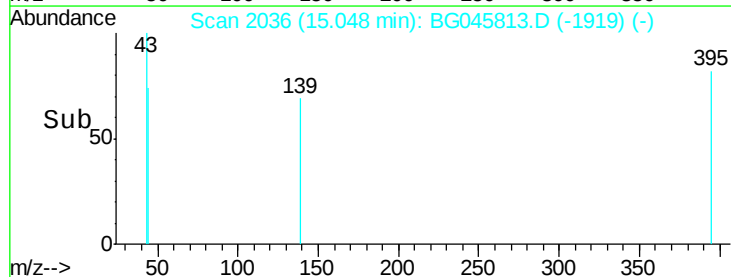
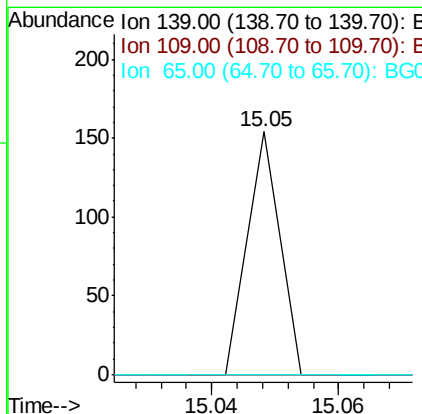
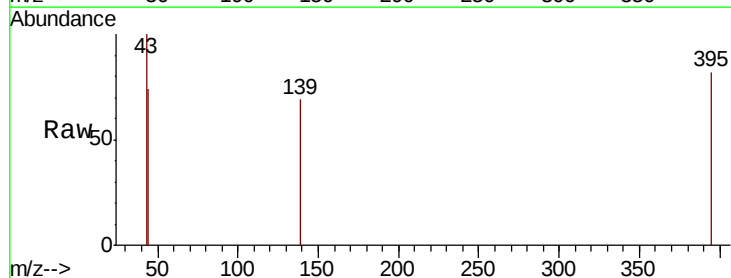
Instrument :
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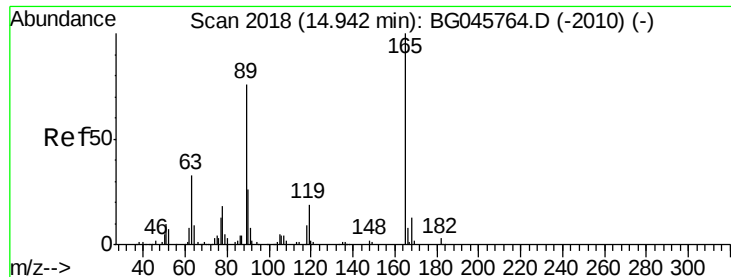
Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.8	3.4	5.0	
164	11.5	8.9	13.3	



#56
4-Nitrophenol
Concen: 4.002 ng
RT: 15.05 min Scan# 2036
Delta R.T. 0.16 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

Tgt Ion	Ion	Ratio	Lower	Upper
139	100			
109	0.0	88.9	128.9#	
65	0.0	92.3	132.3#	

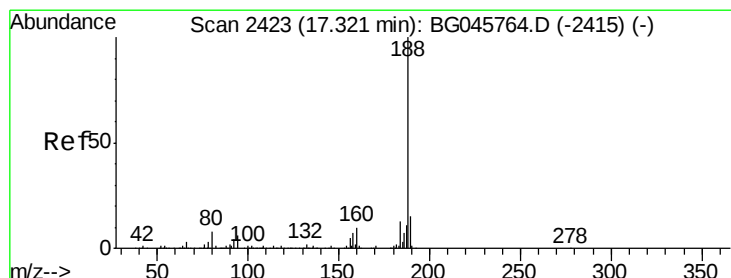
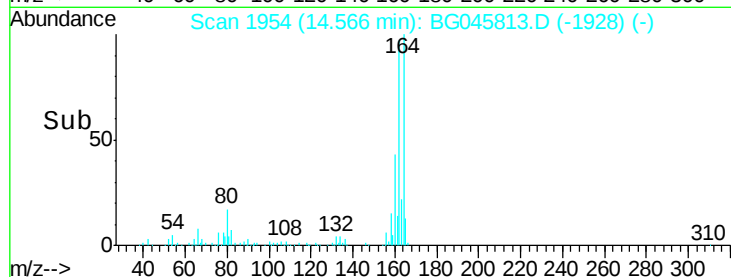
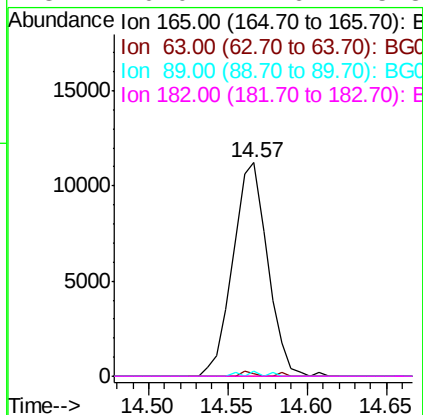
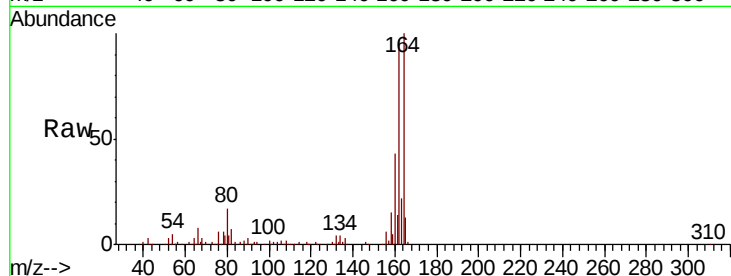




#57
 2,4-Dinitrotoluene
 Concen: 4.859 ng
 RT: 14.57 min Scan# 1954
 Delta R.T. -0.38 min
 Lab File: BG045813.D
 Acq: 19 Jun 2020 13:25

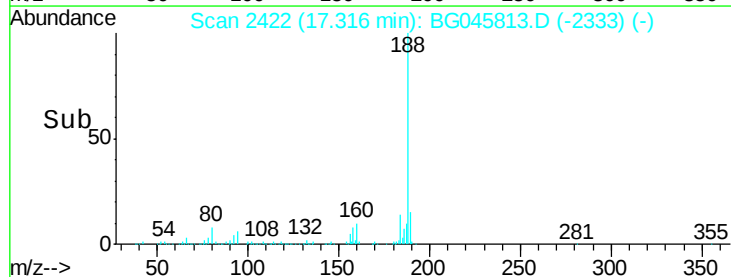
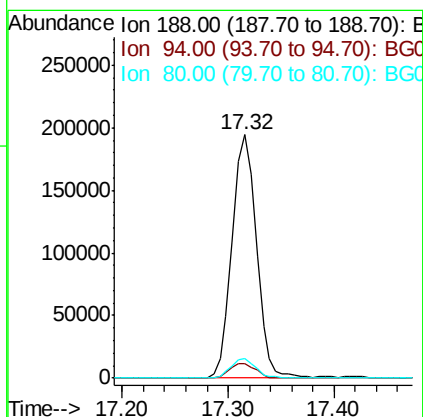
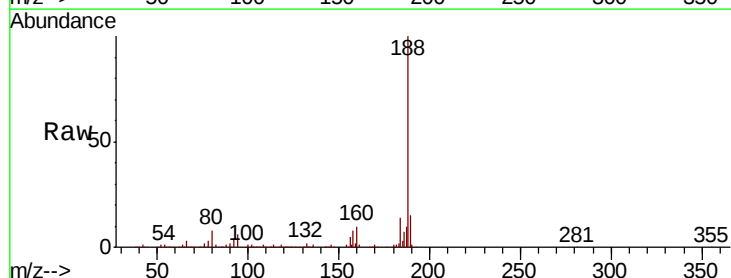
Instrument :
 BNA_G
 ClientSampleId :
 LF017MW005-200616

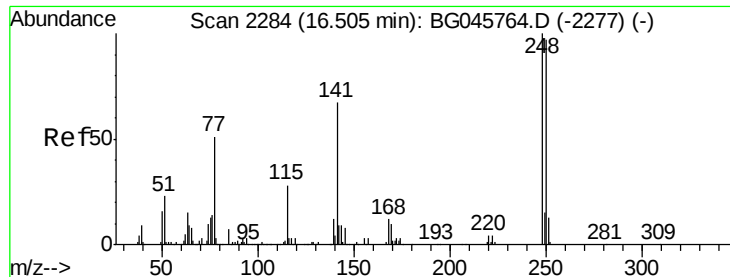
Tot Ion:165	Resp:	17030
Ion Ratio	Lower	Upper
165	100	
63	1.4	33.8 50.8#
89	2.3	60.4 90.6#
182	0.0	2.6 3.8#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2422
 Delta R.T. -0.01 min
 Lab File: BG045813.D
 Acq: 19 Jun 2020 13:25

Tgt Ion:188	Resp:	312069
Ion Ratio	Lower	Upper
188	100	
94	6.0	5.1 7.7
80	8.0	6.2 9.4

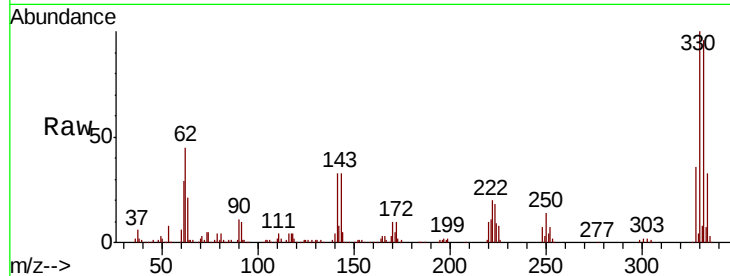




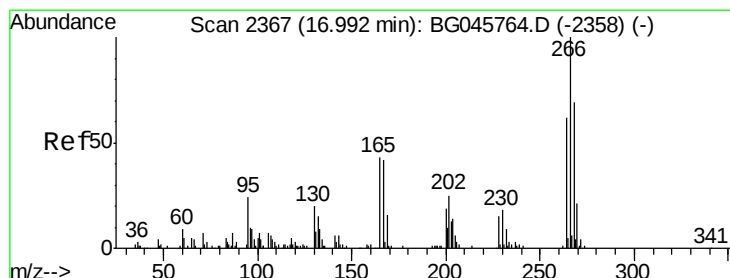
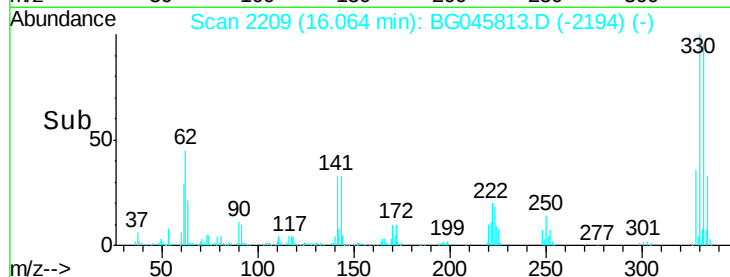
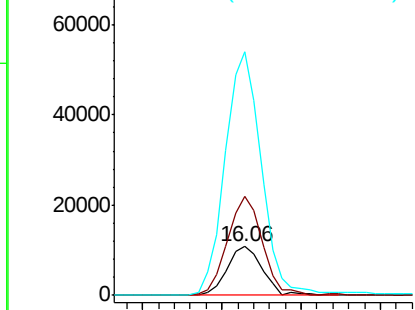
#67
4-Bromophenyl-phenylether
Concen: 4.084 ng
RT: 16.06 min Scan# 2209
Delta R.T. -0.44 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

Instrument :
BNA_G
ClientSampleId :
LF017MW005-200616

Tot Ion:248 Resp: 16559
Ion Ratio Lower Upper
248 100
250 203.6 78.0 117.0#
141 500.9 53.9 80.9#

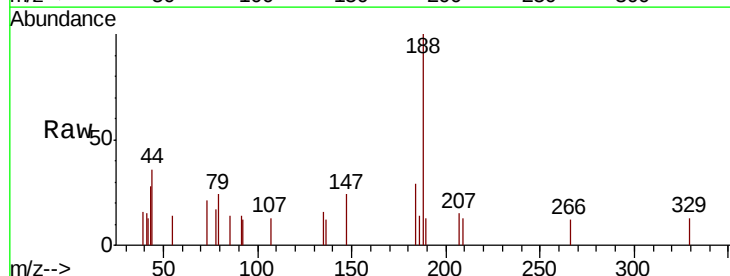


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

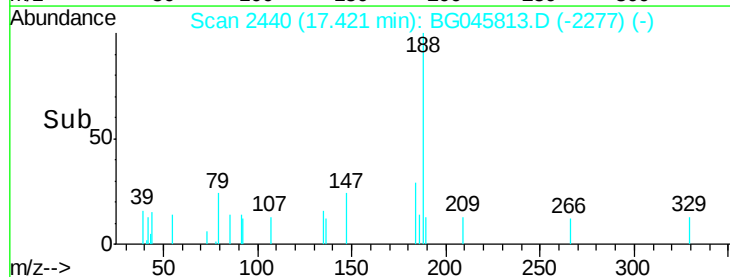
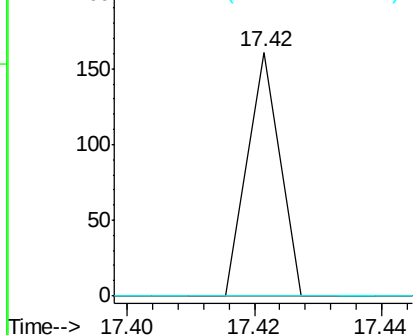


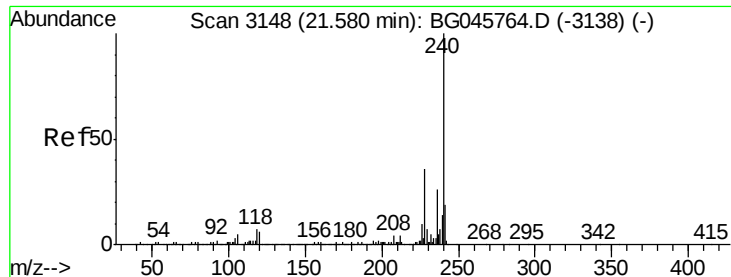
#70
Pentachlorophenol
Concen: 7.657 ng
RT: 17.42 min Scan# 2440
Delta R.T. 0.43 min
Lab File: BG045813.D
Acq: 19 Jun 2020 13:25

Tgt Ion:266 Resp: 57
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# 3147

Delta R.T. -0.01 min

Lab File: BG045813.D

Acq: 19 Jun 2020 13:25

Instrument :

BNA_G

ClientSampleId :

LF017MW005-200616

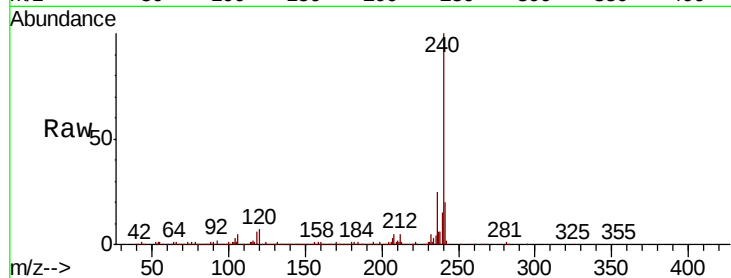
Tot Ion:240 Resp: 302827

Ion Ratio Lower Upper

240 100

120 6.5 5.0 7.4

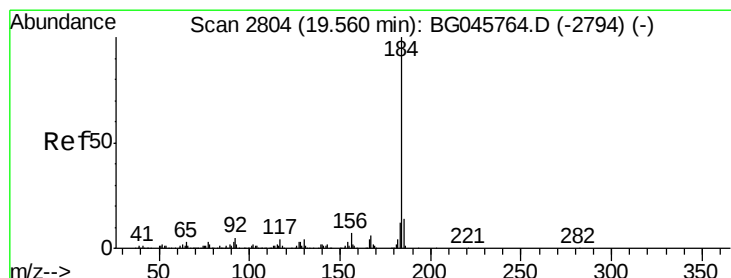
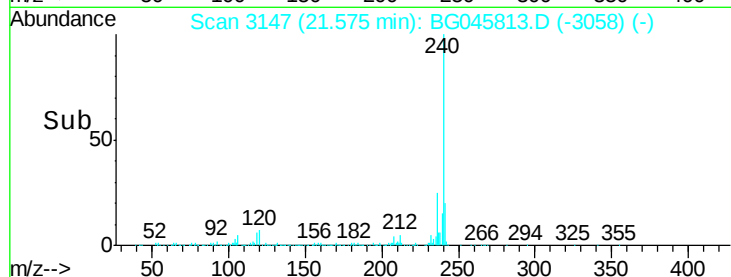
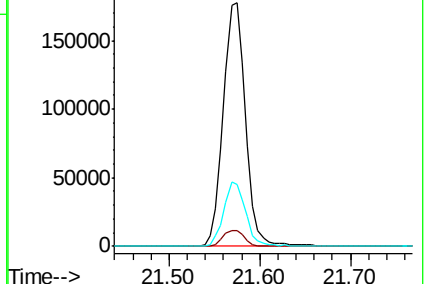
236 25.5 20.6 30.8



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



#77

Benzidine

Concen: 3.166 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG045813.D

Acq: 19 Jun 2020 13:25

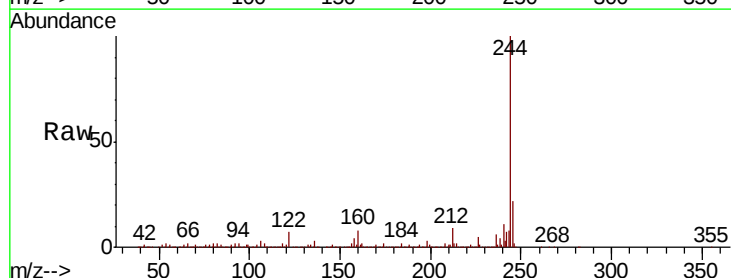
Tgt Ion:184 Resp: 24923

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

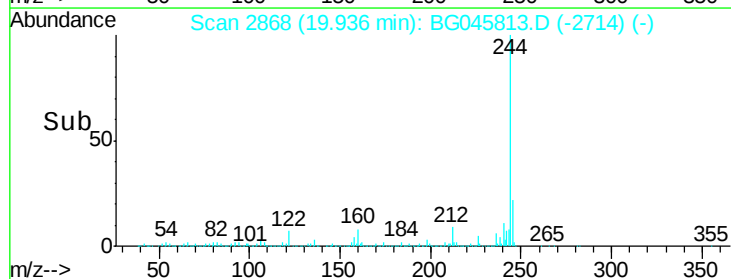
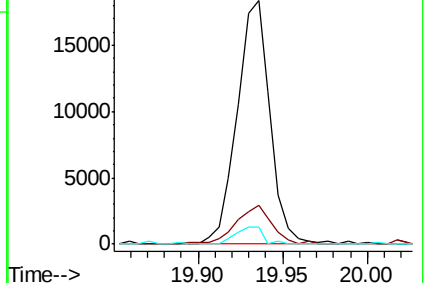
183 6.9 9.7 14.5#

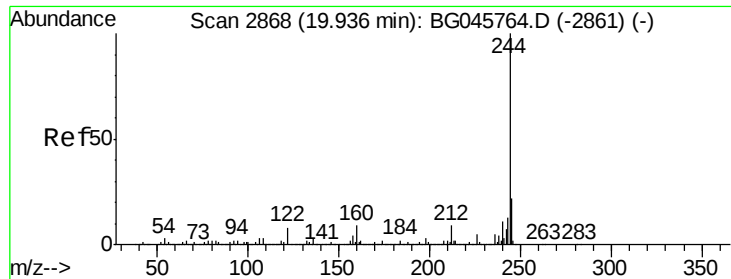


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 89.112 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.00 min

Lab File: BG045813.D

Acq: 19 Jun 2020 13:25

Instrument :

BNA_G

ClientSampleId :

LF017MW005-200616

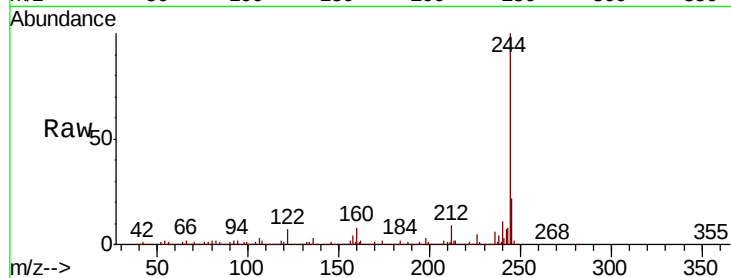
Tot Ion:244 Resp: 1331566

Ion Ratio Lower Upper

244 100

212 8.6 7.2 10.8

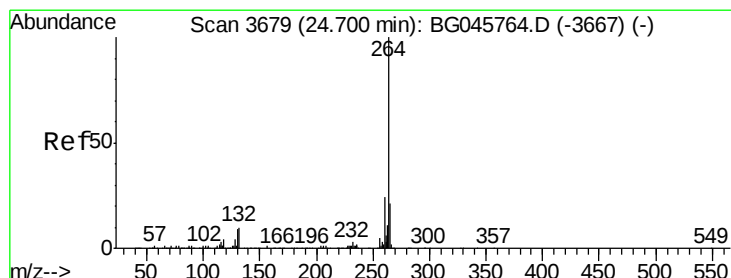
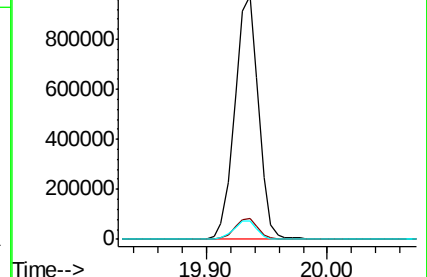
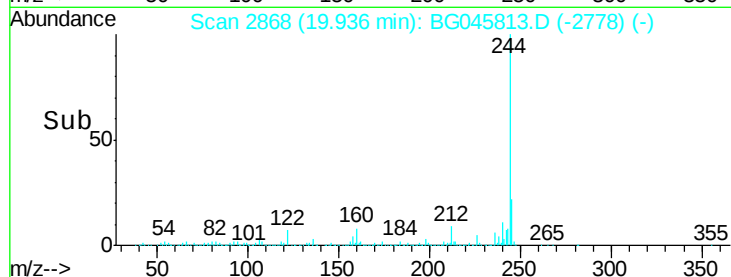
122 7.5 6.4 9.6



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: 24.69 min Scan# 3678

Delta R.T. -0.01 min

Lab File: BG045813.D

Acq: 19 Jun 2020 13:25

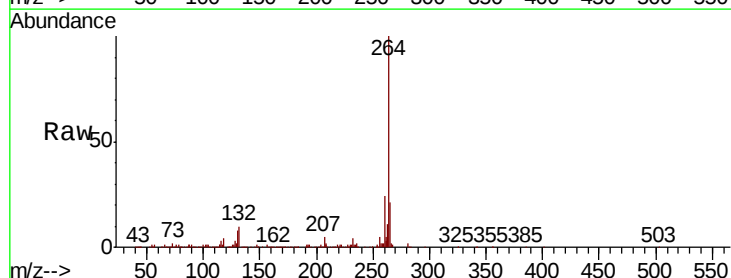
Tgt Ion:264 Resp: 330790

Ion Ratio Lower Upper

264 100

260 23.6 19.0 28.4

265 21.4 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

