

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\
 Data File : BG044217.D
 Acq On : 27 Jan 2020 16:11
 Operator : CG/JU
 Sample : PB126367TB
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB126367TB

Quant Time: Jan 28 00:39:27 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

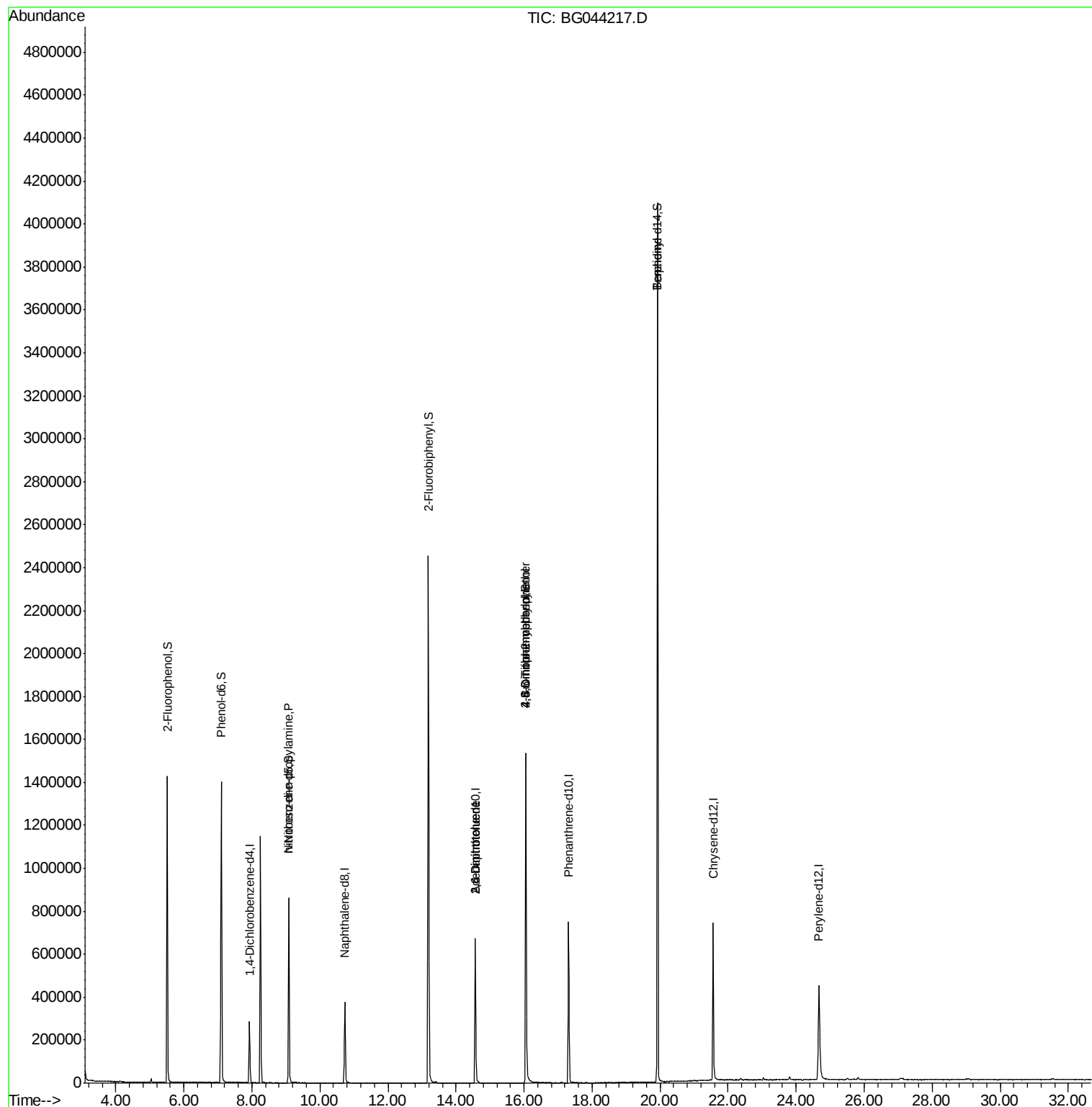
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	87826	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	382550	20.00	ng	-0.03
39) Acenaphthene-d10	14.57	164	264462	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	519870	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	458825	20.00	ng	-0.03
87) Perylene-d12	24.67	264	511568	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	696443	145.60	ng	-0.03
7) Phenol-d6	7.10	99	933115	139.56	ng	-0.02
23) Nitrobenzene-d5	9.08	82	561131	78.47	ng	-0.04
42) 2,4,6-Tribromophenol	16.06	330	343756	124.21	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1399277	95.86	ng	-0.03
79) Terphenyl-d14	19.92	244	1952214	110.65	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.08	70	73248	14.711	ng	# 76
51) 2,6-Dinitrotoluene	14.57	165	33990	8.009	ng	# 26
57) 2,4-Dinitrotoluene	14.57	165	33990	5.886	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.05	198	960	4.715	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	23946	4.095	ng	# 1
77) Benzidine	19.92	184	32183	2.791	ng	# 90

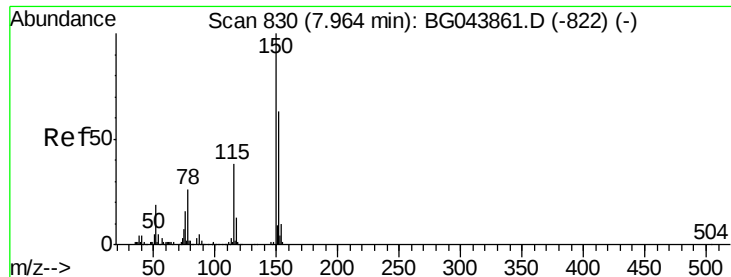
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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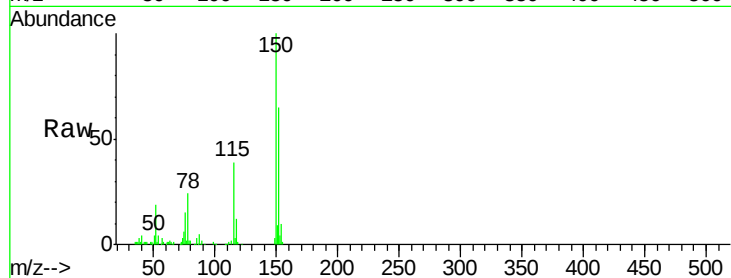


#1

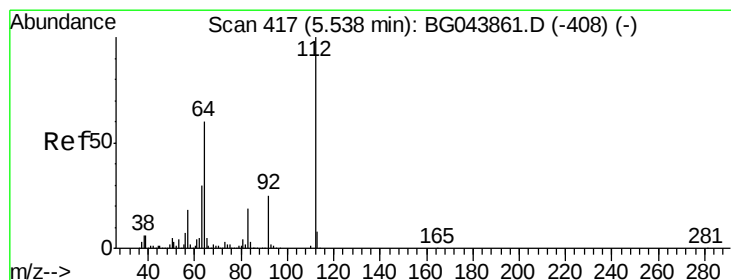
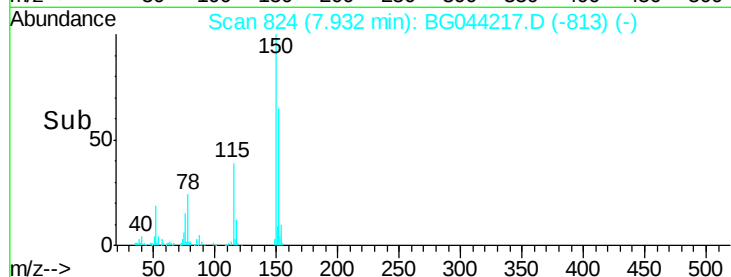
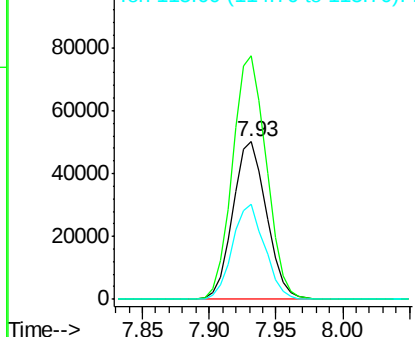
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044217.D
Acq: 27 Jan 2020 16:11

Instrument :
BNA_G
ClientSampleId :
PB126367TB

Tot Ion:152 Resp: 87826
Ion Ratio Lower Upper
152 100
150 154.6 127.0 190.4
115 60.1 47.8 71.8



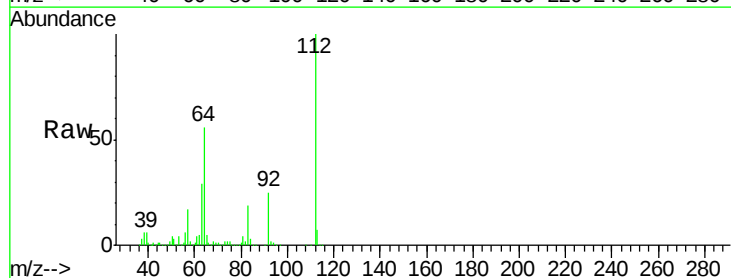
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



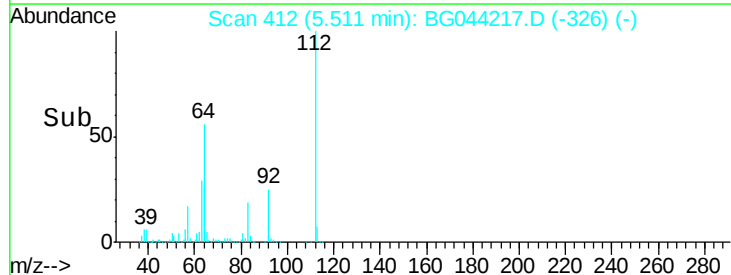
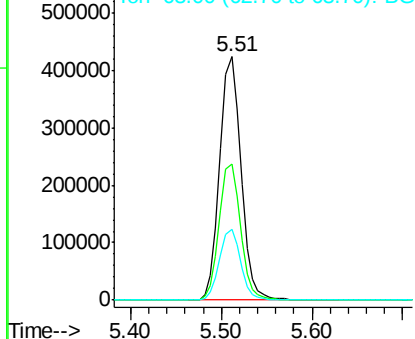
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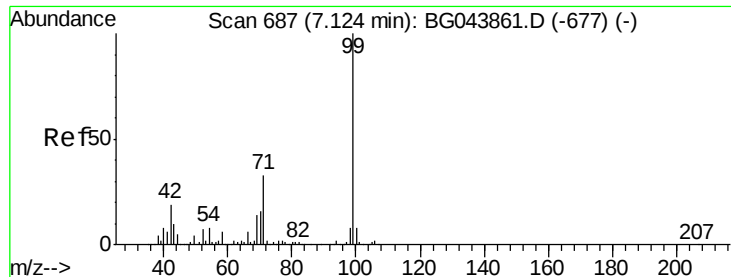
2-Fluorophenol
Concen: 145.601 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044217.D
Acq: 27 Jan 2020 16:11

Tgt Ion:112 Resp: 696443
Ion Ratio Lower Upper
112 100
64 55.8 47.8 71.6
63 29.1 24.3 36.5



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: 139.560 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044217.D

Acq: 27 Jan 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB126367TB

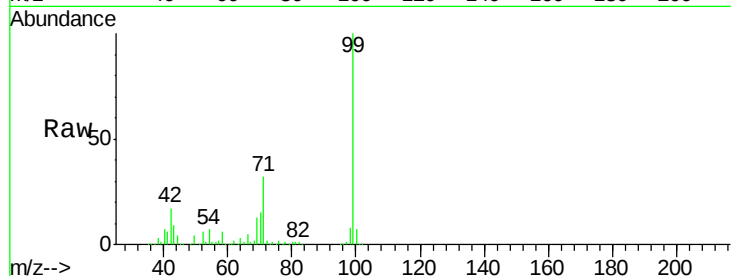
Tot Ion: 99 Resp: 933115

Ion Ratio Lower Upper

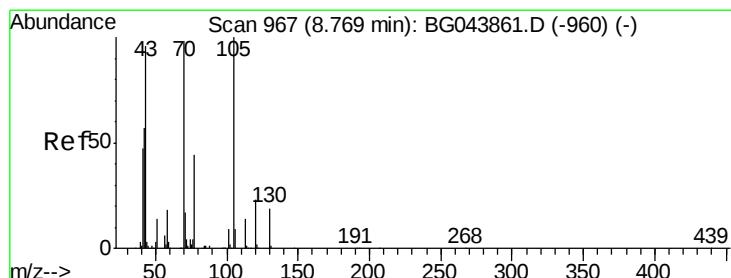
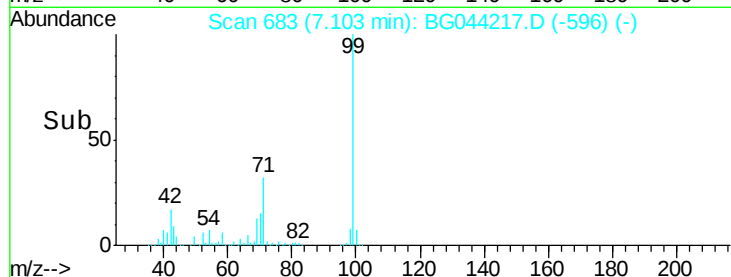
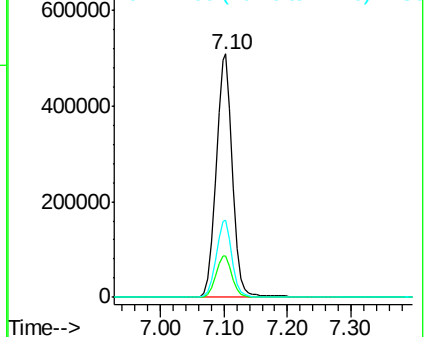
99 100

42 17.2 14.9 22.3

71 31.7 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 14.711 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.31 min

Lab File: BG044217.D

Acq: 27 Jan 2020 16:11

Tgt Ion: 70 Resp: 73248

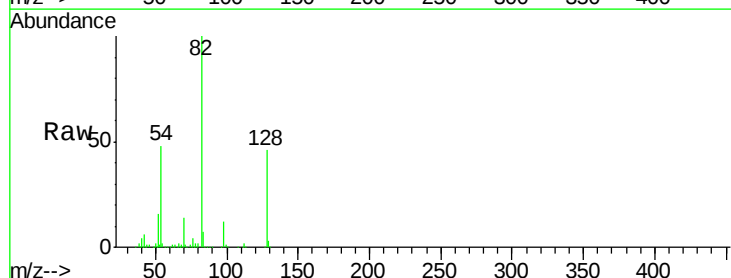
Ion Ratio Lower Upper

70 100

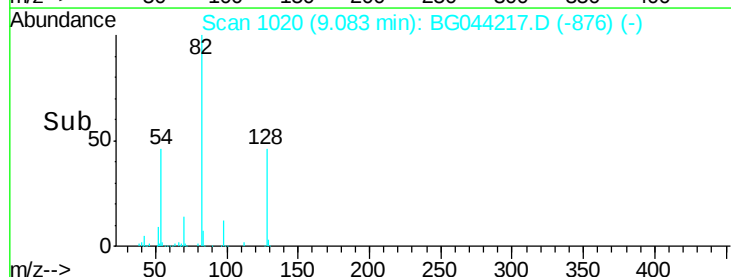
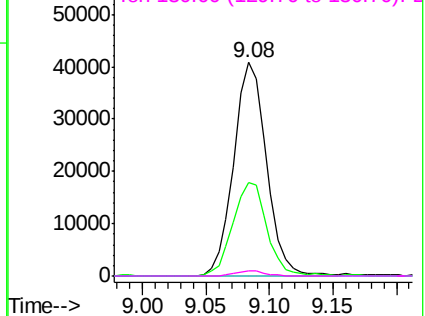
42 43.8 47.0 70.4#

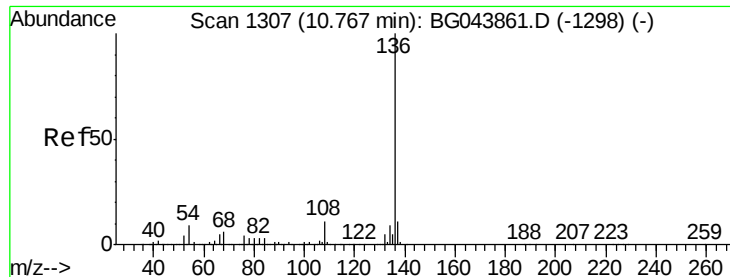
101 0.0 7.2 10.8#

130 2.3 15.6 23.4#



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

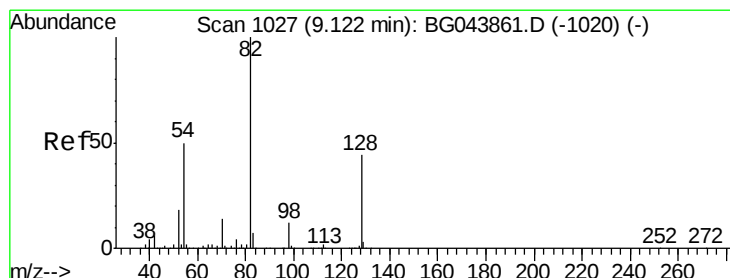
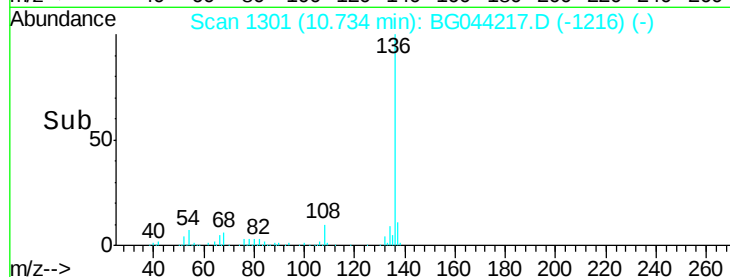
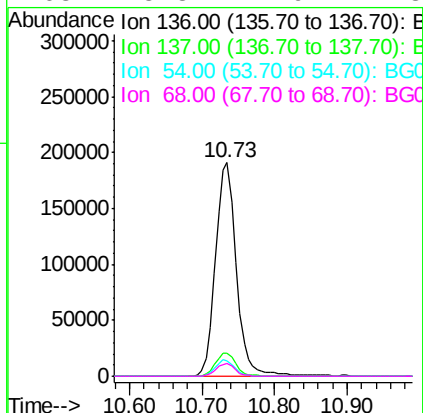
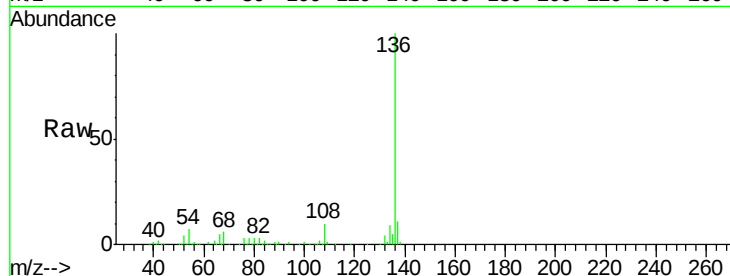




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.03 min
Lab File: BG044217.D
Acq: 27 Jan 2020 16:11

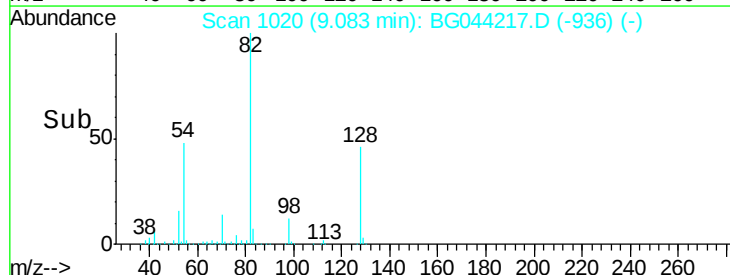
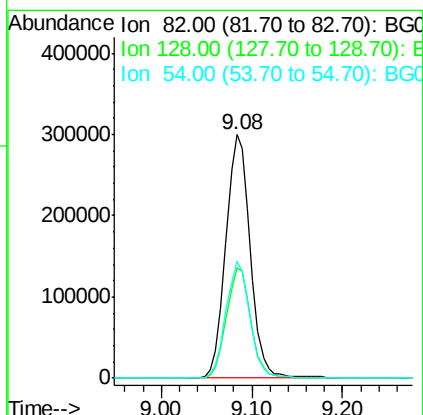
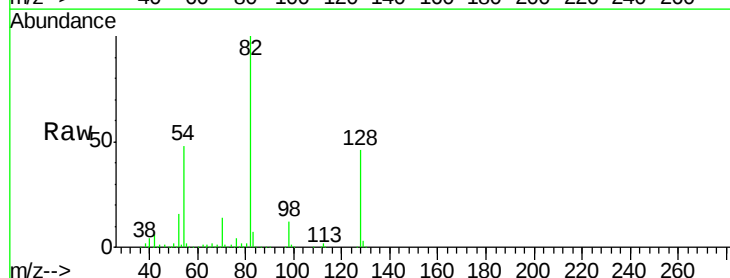
Instrument :
BNA_G
ClientSampleId :
PB126367TB

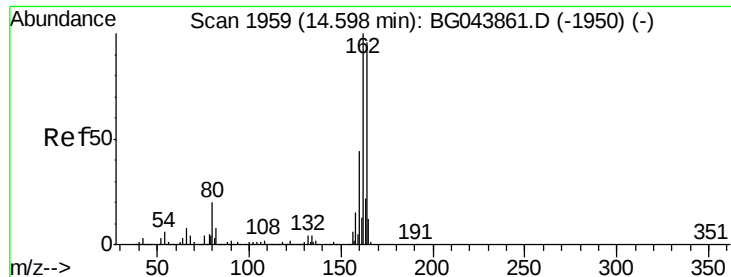
Tot Ion:136	Resp:	382550	
Ion Ratio	Lower	Upper	
136 100			
137 10.6	8.8	13.2	
54 7.2	7.0	10.4	
68 5.8	4.9	7.3	



#23
Nitrobenzene-d5
Concen: 78.469 ng
RT: 9.08 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BG044217.D
Acq: 27 Jan 2020 16:11

Tgt Ion	82	Resp: Lower	561131 Upper
	Ratio 100		
128	45.6	35.1	52.7
54	47.9	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044217.D

Acq: 27 Jan 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB126367TB

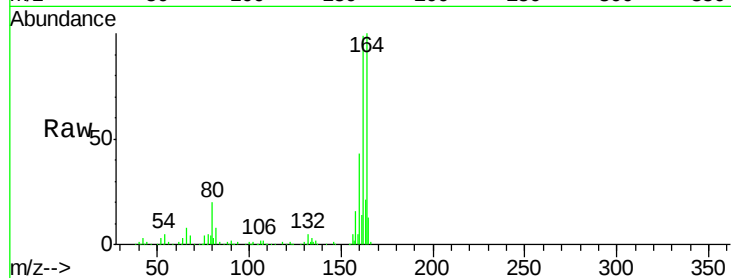
Tot Ion:164 Resp: 264462

Ion Ratio Lower Upper

164 100

162 99.2 83.0 124.4

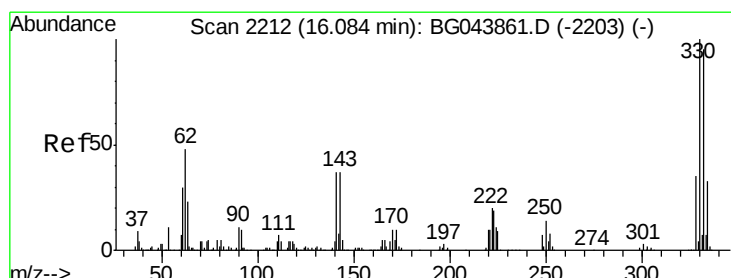
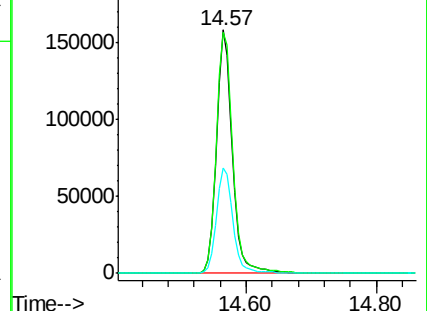
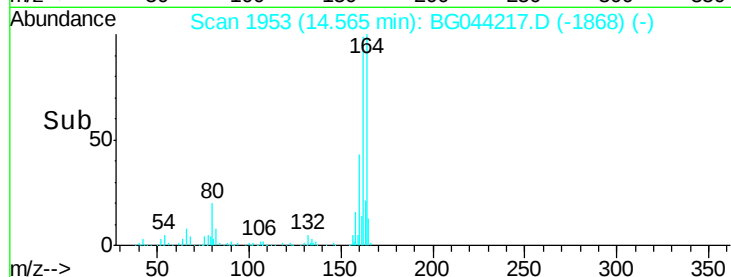
160 43.4 36.1 54.1



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: 124.210 ng

RT: 16.06 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044217.D

Acq: 27 Jan 2020 16:11

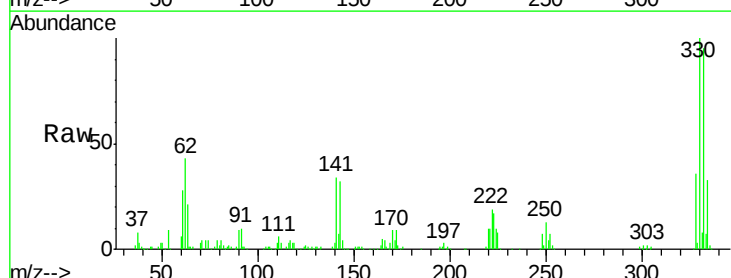
Tgt Ion:330 Resp: 343756

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

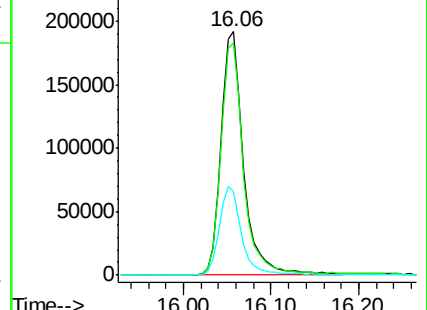
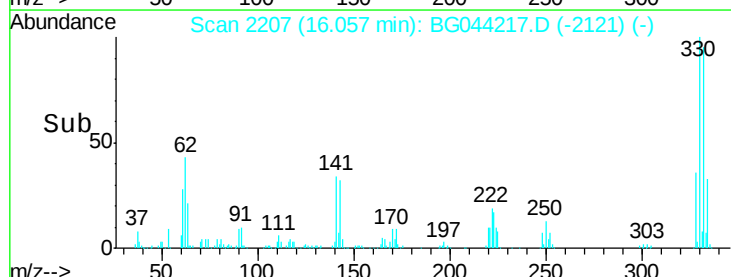
141 36.2 33.1 49.7

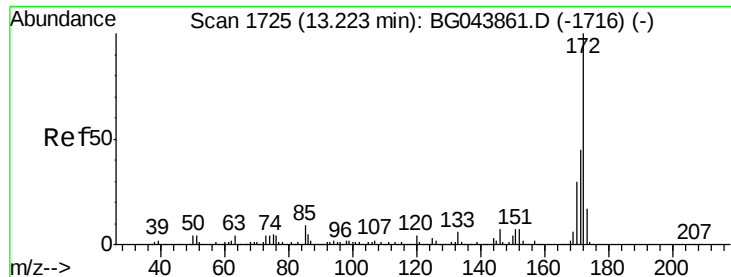


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

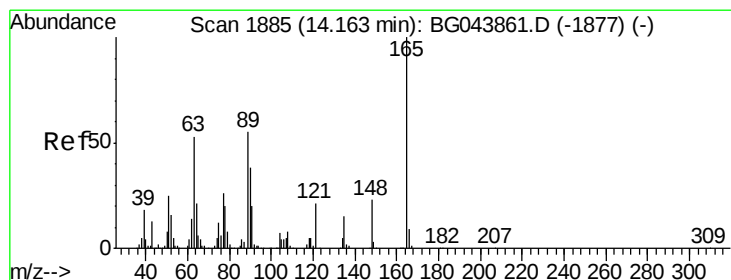
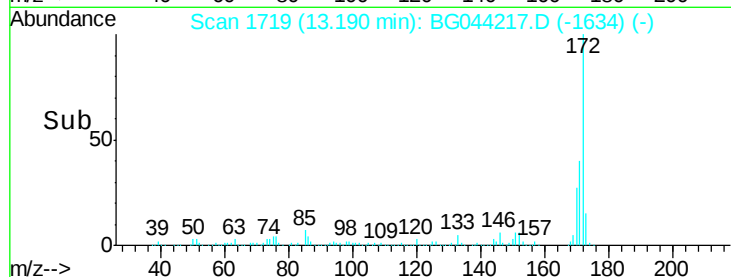
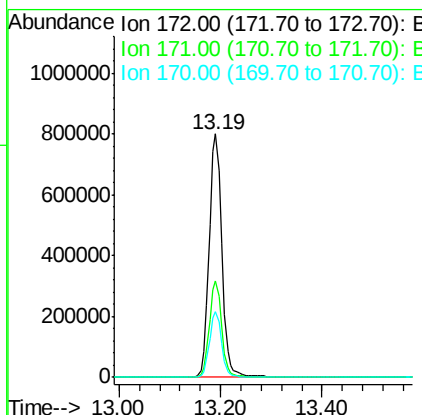
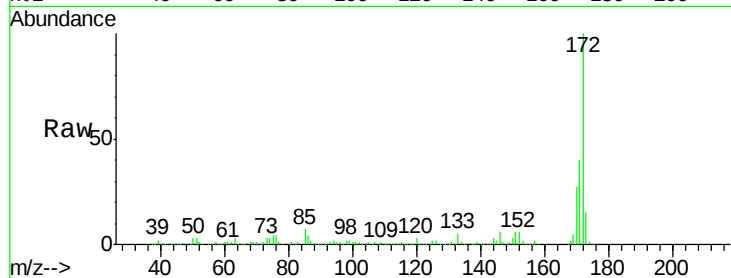




#45
 2-Fluorobiphenyl
 Concen: 95.861 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044217.D
 Acq: 27 Jan 2020 16:11

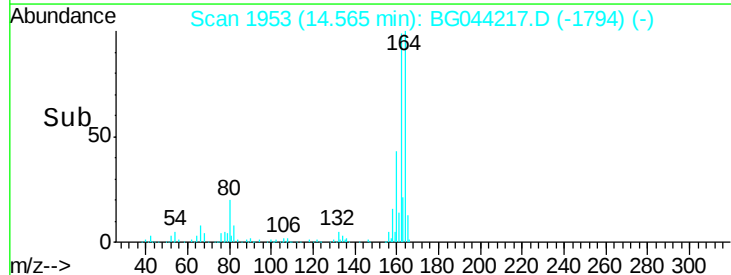
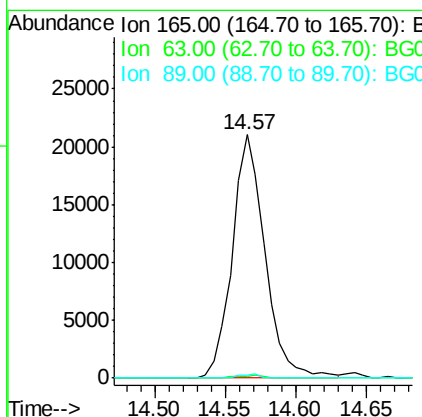
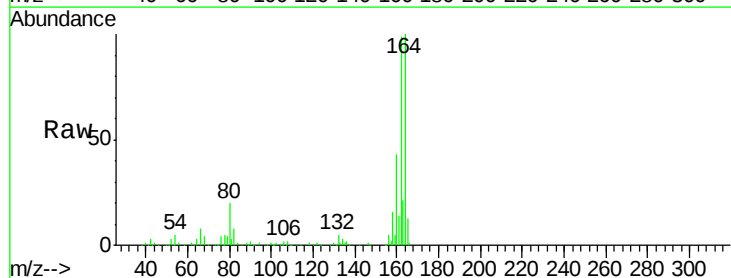
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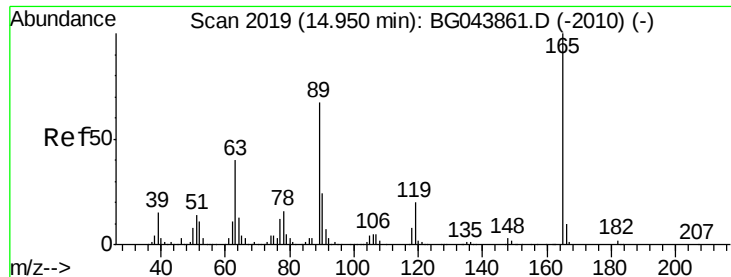
Tot Ion:172 Resp: 1399277
 Ion Ratio Lower Upper
 172 100
 171 39.6 35.8 53.8
 170 27.1 24.2 36.4



#51
 2,6-Dinitrotoluene
 Concen: 8.009 ng
 RT: 14.57 min Scan# 1953
 Delta R.T. 0.40 min
 Lab File: BG044217.D
 Acq: 27 Jan 2020 16:11

Tgt Ion:165 Resp: 33990
 Ion Ratio Lower Upper
 165 100
 63 0.7 43.1 64.7#
 89 1.2 43.8 65.6#

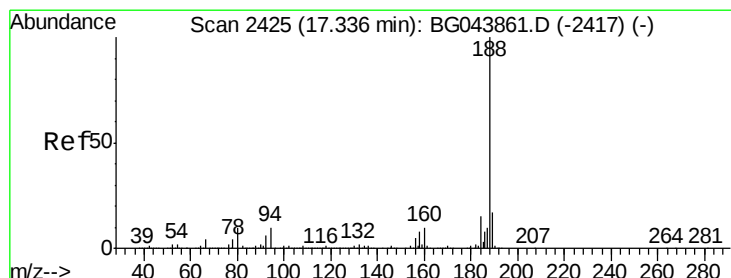
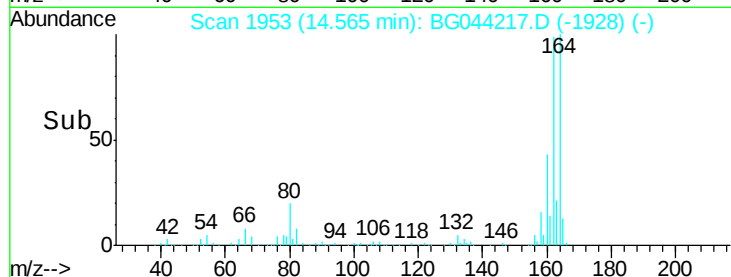
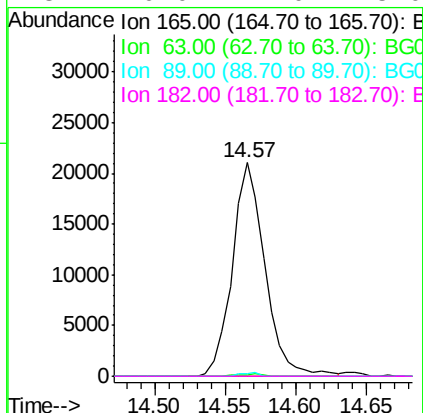
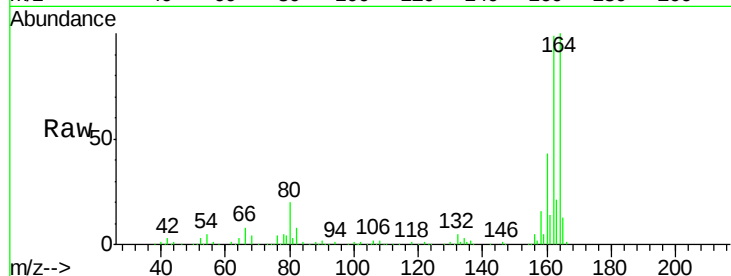




#57
 2,4-Dinitrotoluene
 Concen: 5.886 ng
 RT: 14.57 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044217.D
 Acq: 27 Jan 2020 16:11

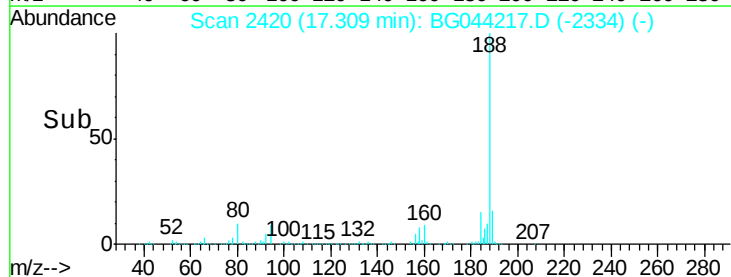
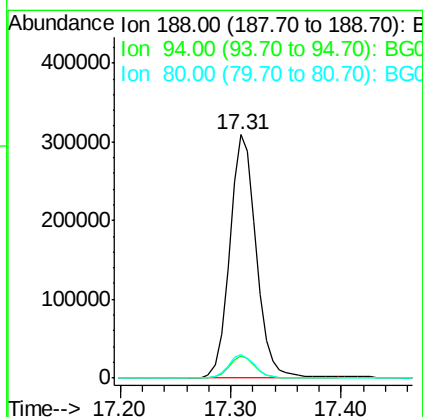
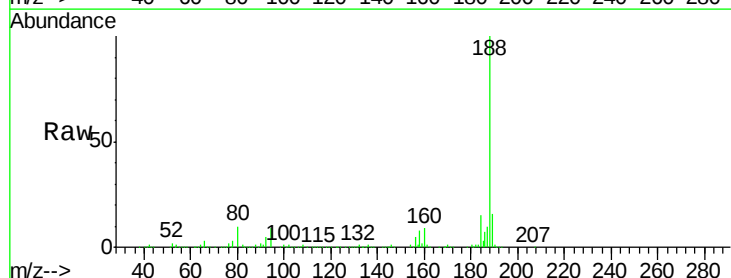
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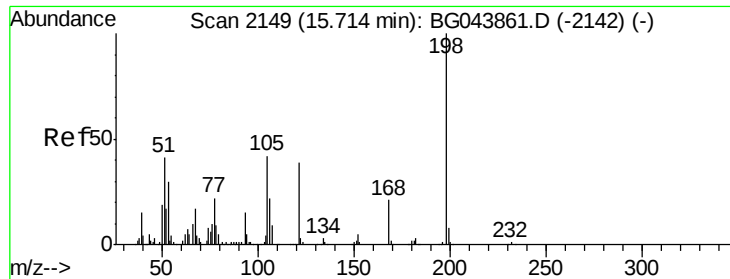
Tot Ion:165 Resp: 33990
 Ion Ratio Lower Upper
 165 100
 63 0.7 31.9 47.9#
 89 1.2 53.8 80.6#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044217.D
 Acq: 27 Jan 2020 16:11

Tgt Ion:188 Resp: 519870
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.9 11.9
 80 9.8 8.2 12.4

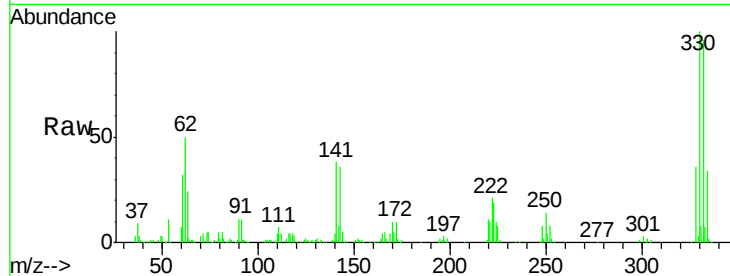




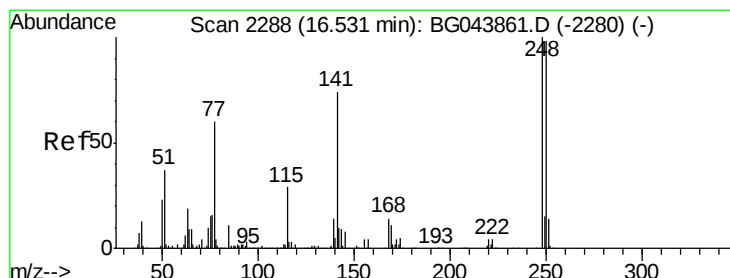
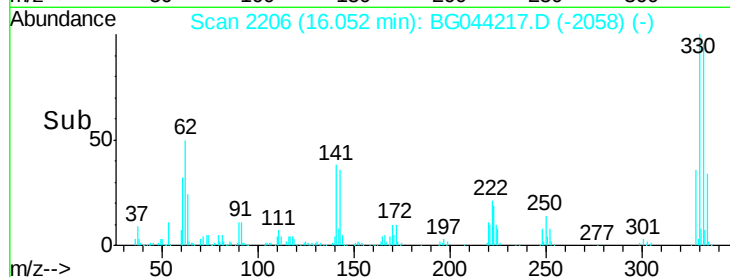
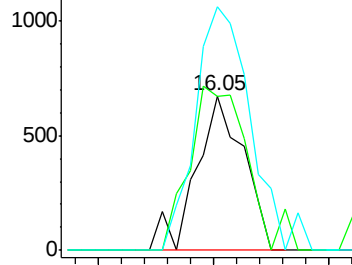
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.715 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.34 min
 Lab File: BG044217.D
 Acq: 27 Jan 2020 16:11

Instrument :
 BNA_G
 ClientSampleId :
 PB126367TB

Tot Ion:198 Resp: 960
 Ion Ratio Lower Upper
 198 100
 51 99.9 22.5 62.5#
 105 158.0 22.3 62.3#

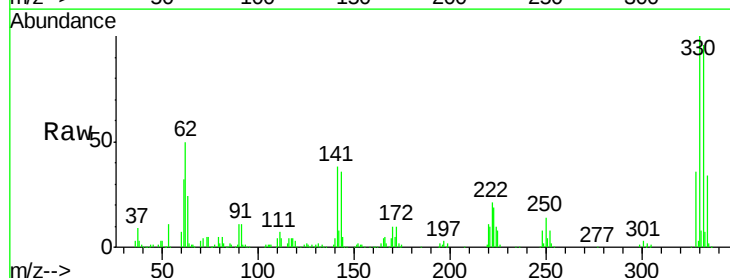


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

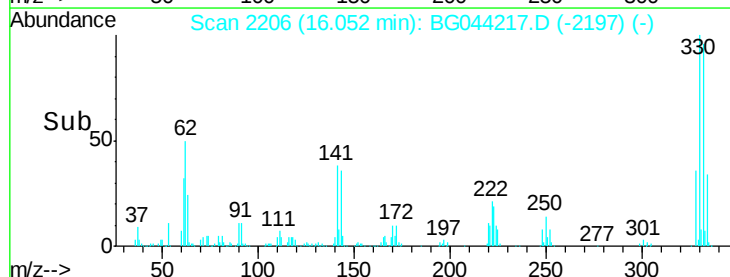
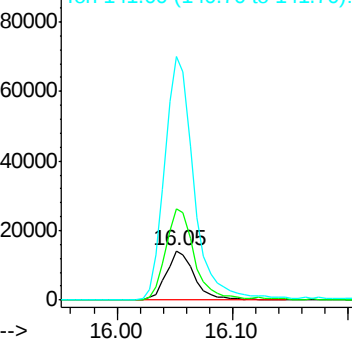


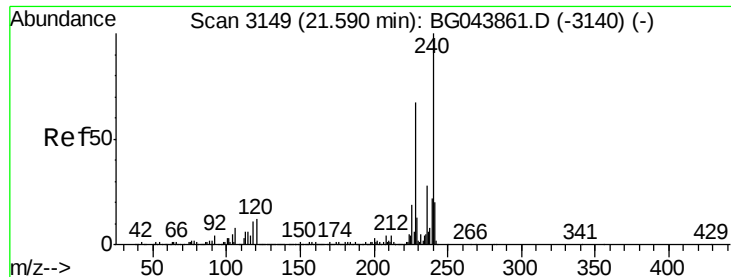
#67
 4-Bromophenyl-phenylether
 Concen: 4.095 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044217.D
 Acq: 27 Jan 2020 16:11

Tgt Ion:248 Resp: 23946
 Ion Ratio Lower Upper
 248 100
 250 186.1 78.2 117.2#
 141 496.2 59.3 88.9#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.56 min Scan# 3143

Delta R.T. -0.03 min

Lab File: BG044217.D

Acq: 27 Jan 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB126367TB

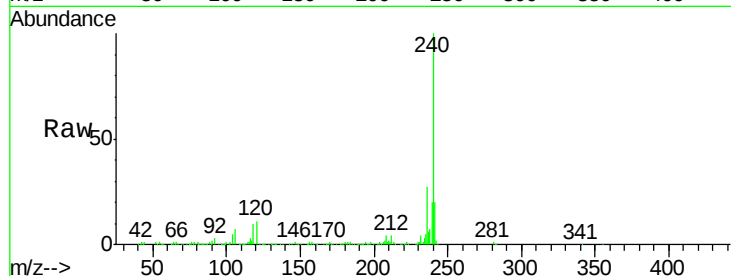
Tot Ion:240 Resp: 458825

Ion Ratio Lower Upper

240 100

120 10.6 9.6 14.4

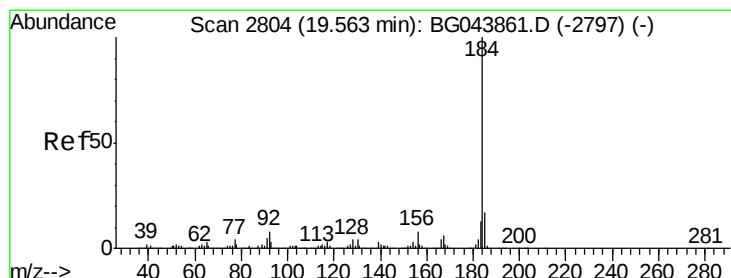
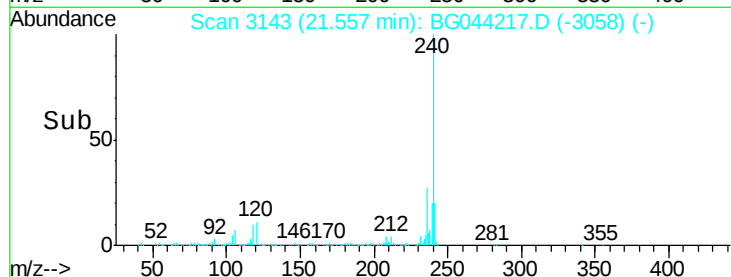
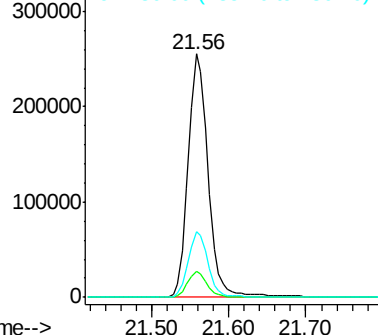
236 27.2 22.2 33.2



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: 2.791 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044217.D

Acq: 27 Jan 2020 16:11

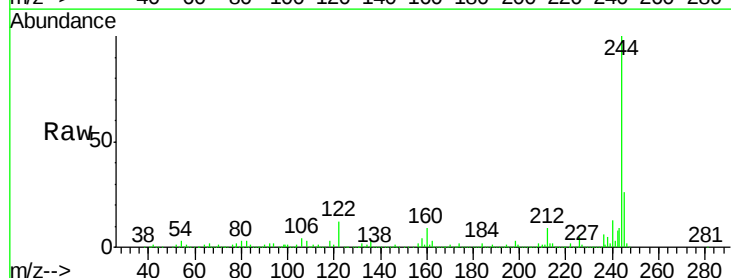
Tgt Ion:184 Resp: 32183

Ion Ratio Lower Upper

184 100

185 15.8 13.4 20.0

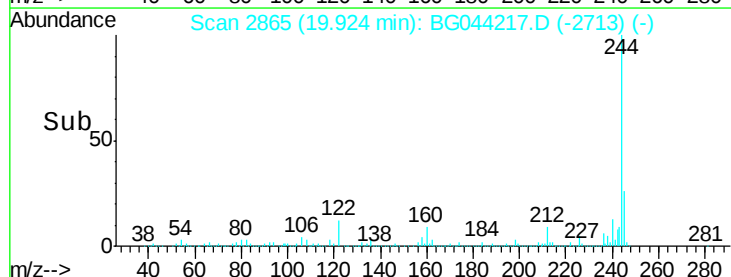
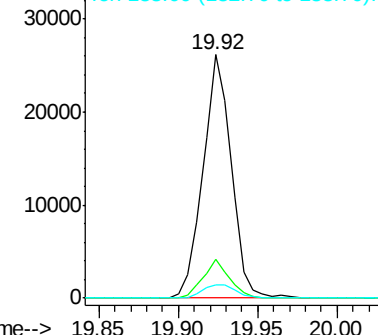
183 5.4 10.6 15.8#

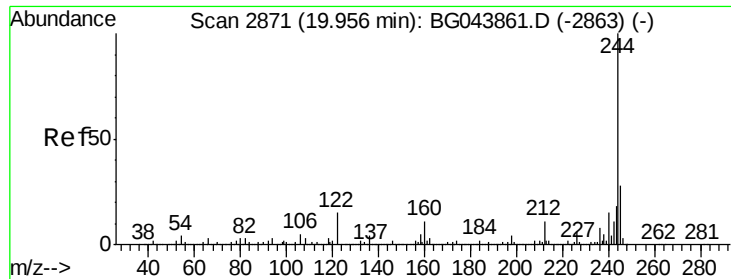


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 110.649 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044217.D

Acq: 27 Jan 2020 16:11

Instrument :

BNA_G

ClientSampleId :

PB126367TB

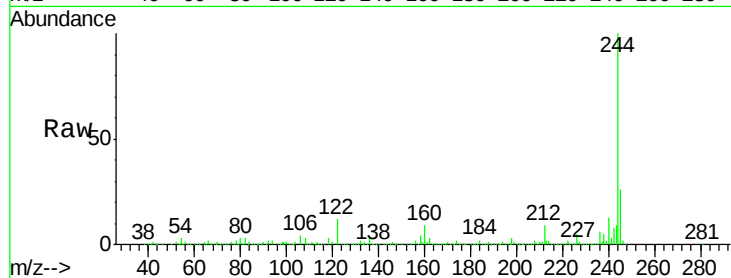
Tot Ion:244 Resp: 1952214

Ion Ratio Lower Upper

244 100

212 9.2 8.6 13.0

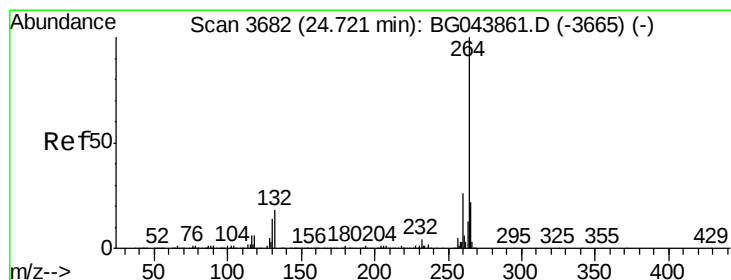
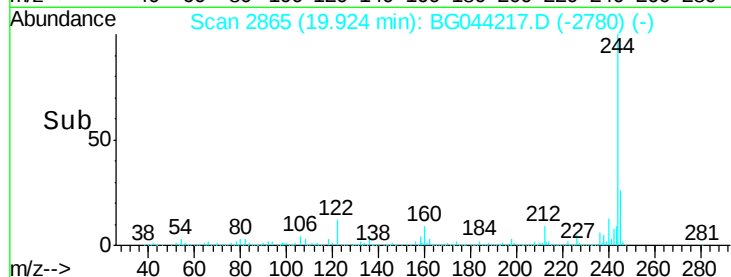
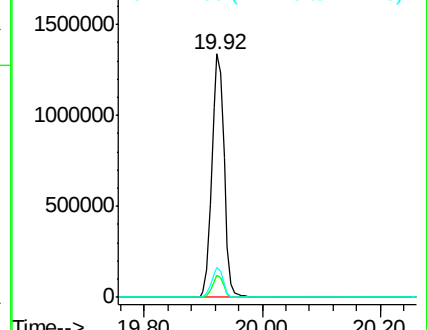
122 12.4 11.9 17.9



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: 24.67 min Scan# 3673

Delta R.T. -0.05 min

Lab File: BG044217.D

Acq: 27 Jan 2020 16:11

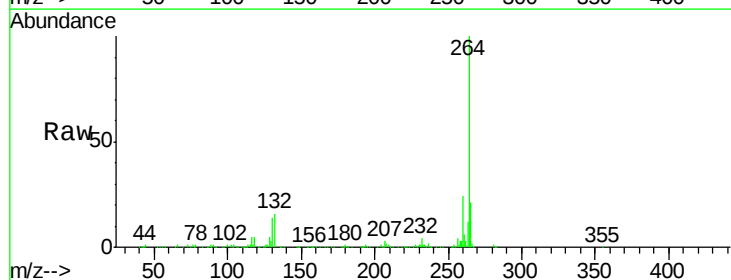
Tgt Ion:264 Resp: 511568

Ion Ratio Lower Upper

264 100

260 24.5 20.4 30.6

265 21.0 17.4 26.2



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

