

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG012720\
 Data File : BG044218.D
 Acq On : 27 Jan 2020 16:51
 Operator : CG/JU
 Sample : L1245-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 20200063-AMENDED-COMP-1

Quant Time: Jan 28 00:39:37 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

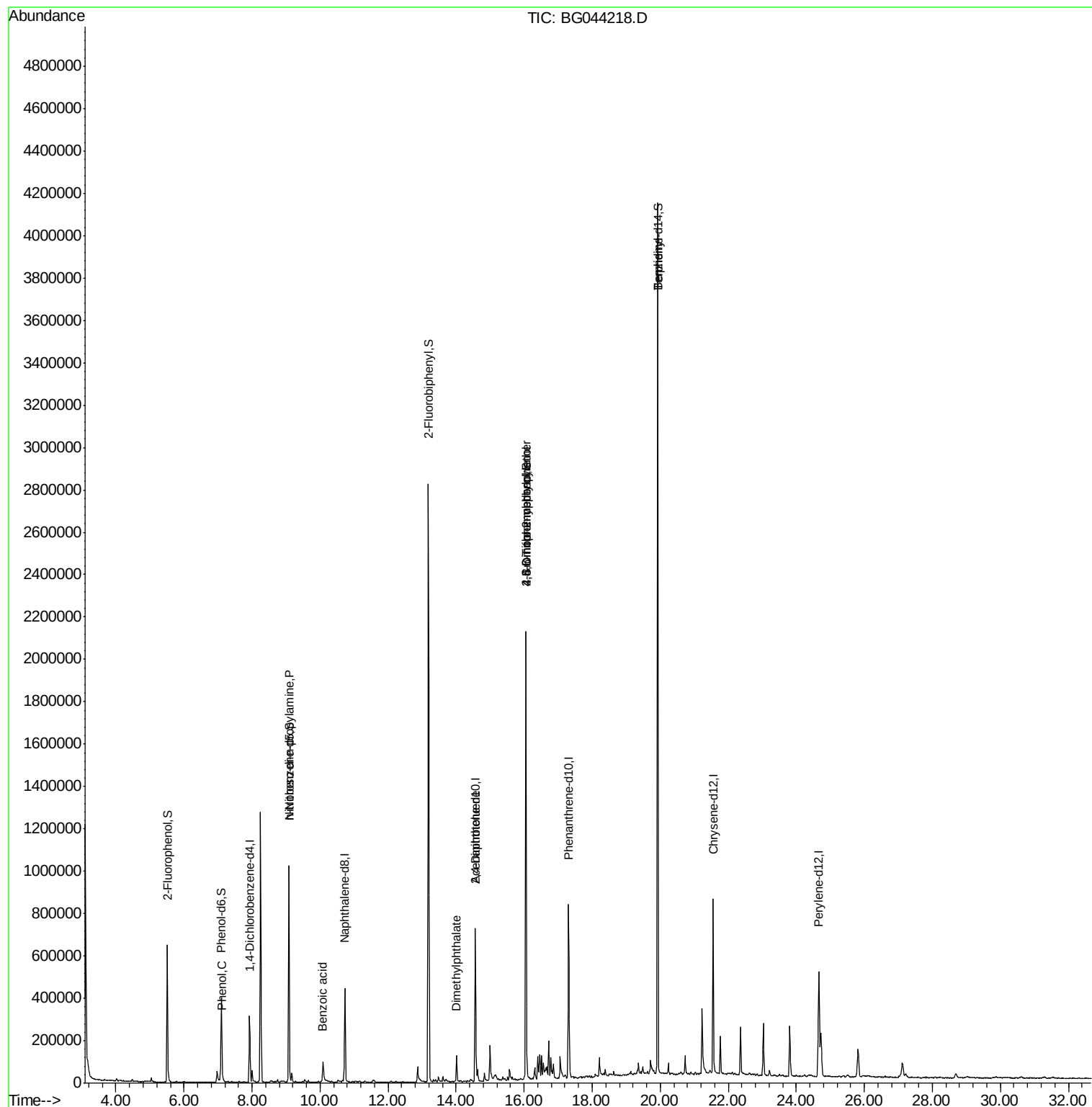
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	93980	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	407999	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	271999	20.00	ng	-0.04
64) Phenanthrene-d10	17.31	188	522287	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	465516	20.00	ng	-0.04
87) Perylene-d12	24.66	264	526496	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	335878	65.62	ng	-0.03
7) Phenol-d6	7.10	99	266983	37.32	ng	-0.02
23) Nitrobenzene-d5	9.09	82	661702	86.76	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	418753	147.12	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1516542	101.02	ng	-0.04
79) Terphenyl-d14	19.93	244	1929016	106.49	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	16009	2.172	ng	90
19) n-Nitroso-di-n-propylamine	9.09	70	86005	16.142	ng	# 78
32) Benzoic acid	10.06	122	2189	6.696	ng	# 87
50) Dimethylphthalate	14.02	163	88021	4.558	ng	# 97
57) 2,4-Dinitrotoluene	14.56	165	34842	5.866	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1230	4.805	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	29072	4.949	ng	# 1
77) Benzidine	19.93	184	33326	2.848	ng	# 92

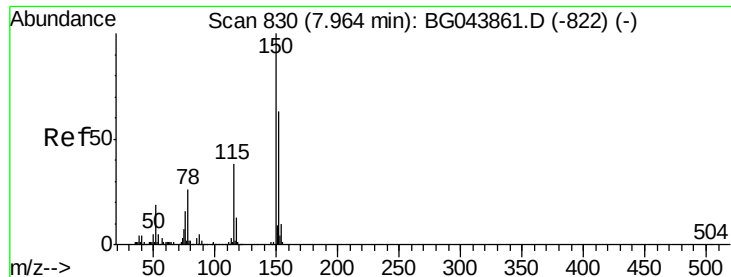
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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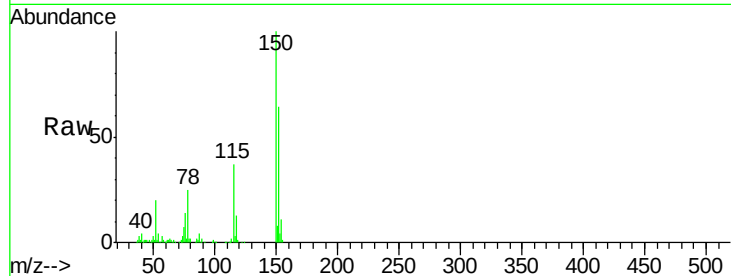


#1

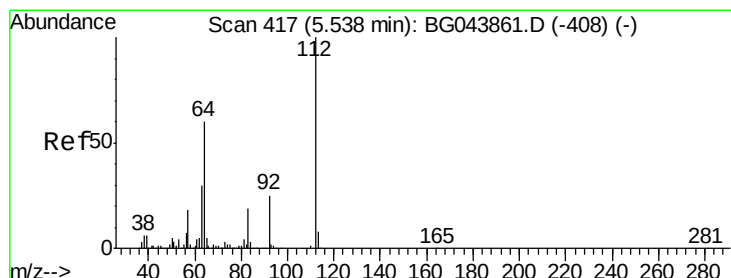
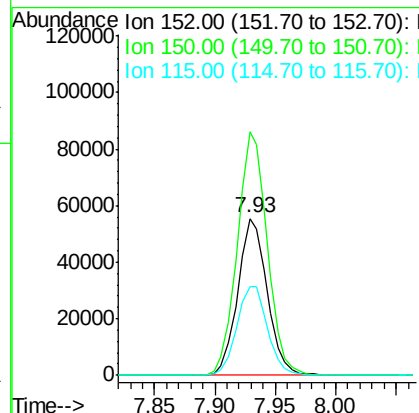
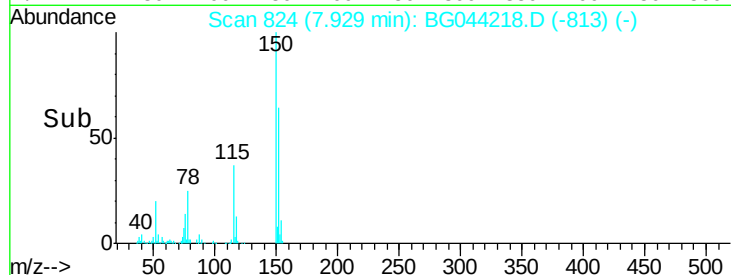
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

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BNA_G
ClientSampleId :
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Tot Ion	152	Resp	93980
Ion Ratio	Lower	Upper	
152	100		
150	155.5	127.0	190.4
115	57.0	47.8	71.8



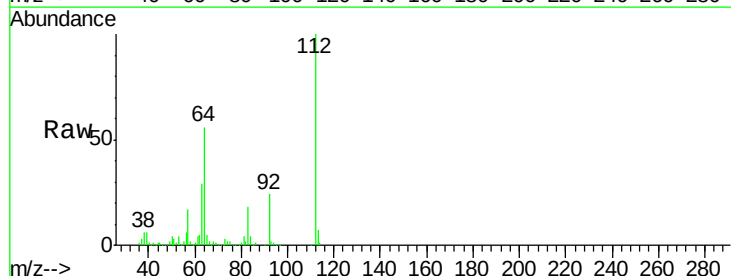
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



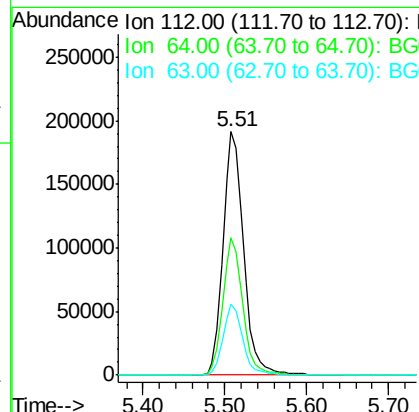
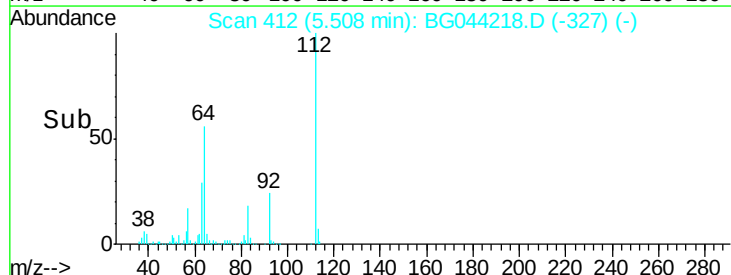
#5

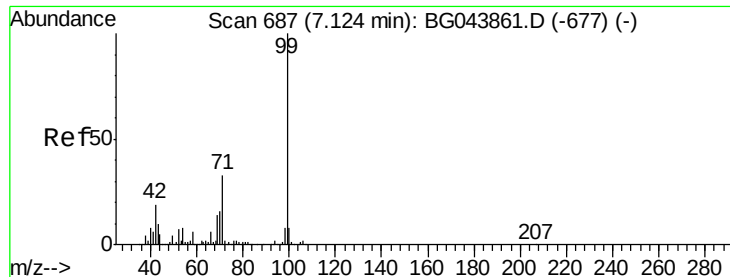
2-Fluorophenol
Concen: 65.622 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

Tgt Ion	112	Resp	335878
Ion Ratio	Lower	Upper	
112	100		
64	56.2	47.8	71.6
63	29.2	24.3	36.5



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: 37.316 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

Instrument :

BNA_G

ClientSampleId :

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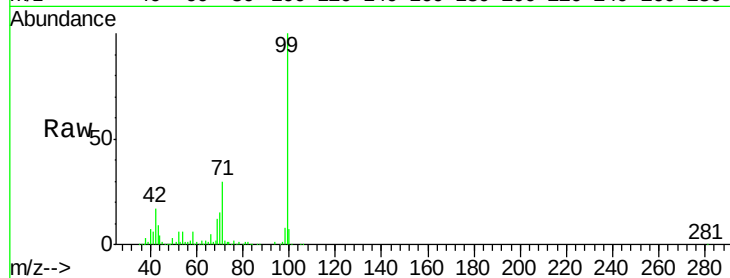
Tot Ion: 99 Resp: 266983

Ion Ratio Lower Upper

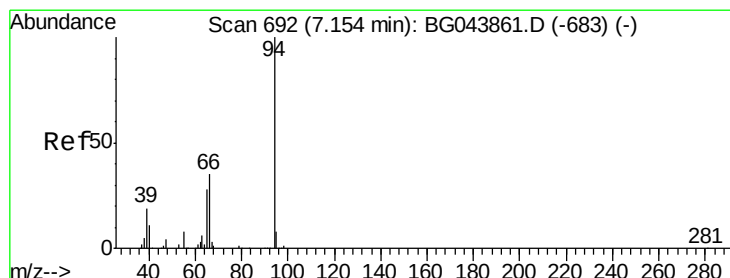
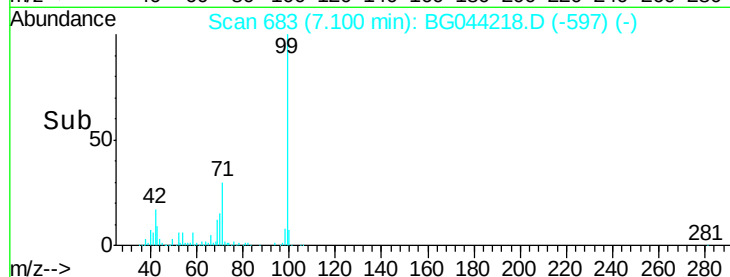
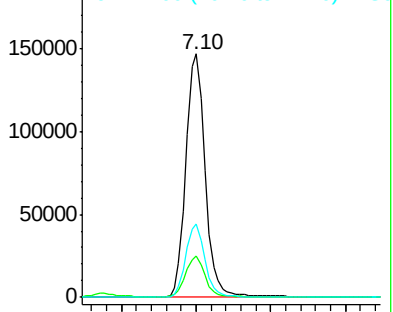
99 100

42 16.8 14.9 22.3

71 30.1 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



#10

Phenol

Concen: 2.172 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

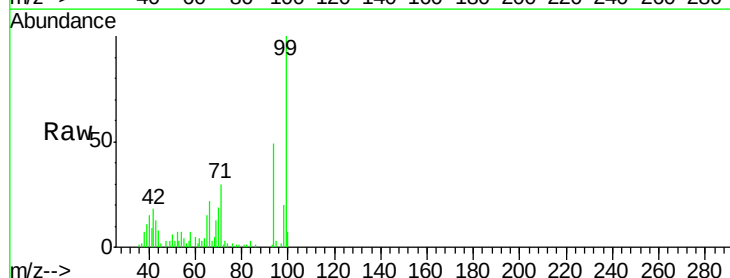
Tgt Ion: 94 Resp: 16009

Ion Ratio Lower Upper

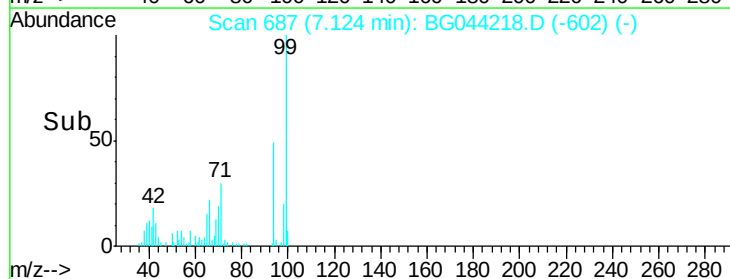
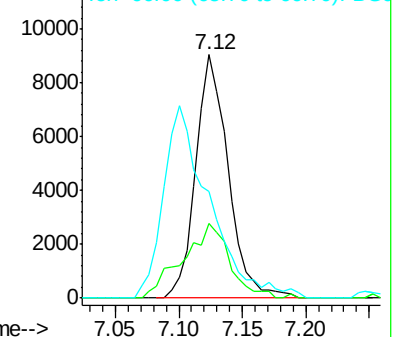
94 100

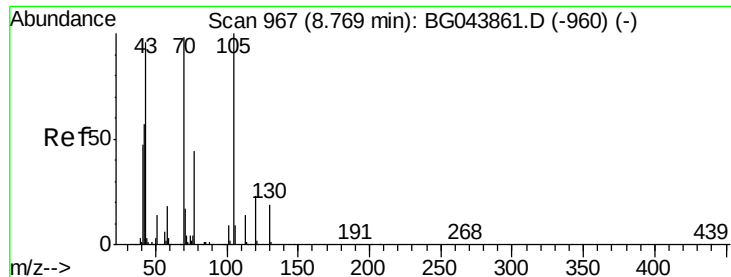
65 30.8 8.1 48.1

66 43.7 15.6 55.6



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

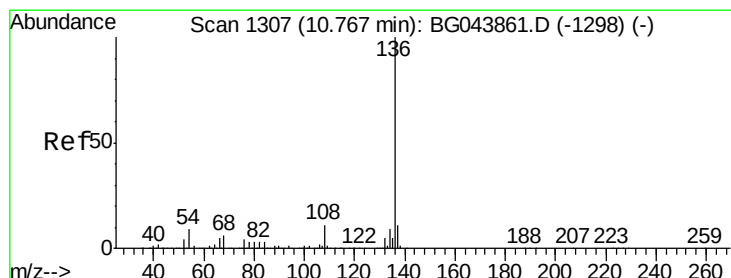
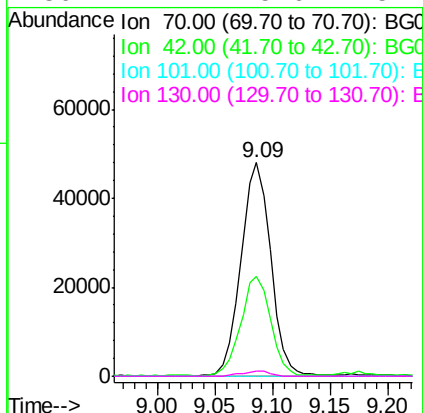
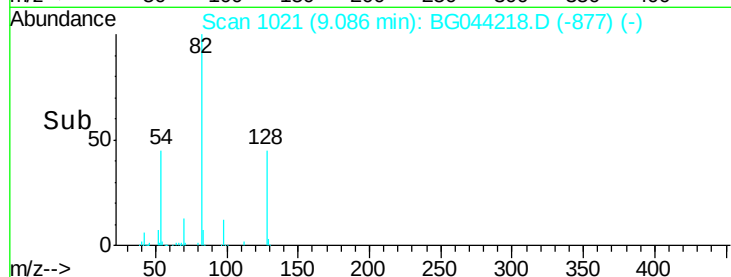
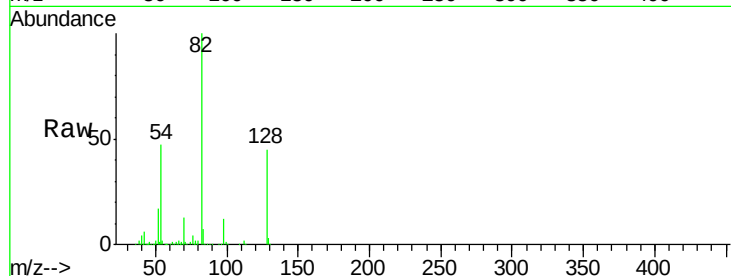




#19
n-Nitroso-di-n-propylamine
Concen: 16.142 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.32 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

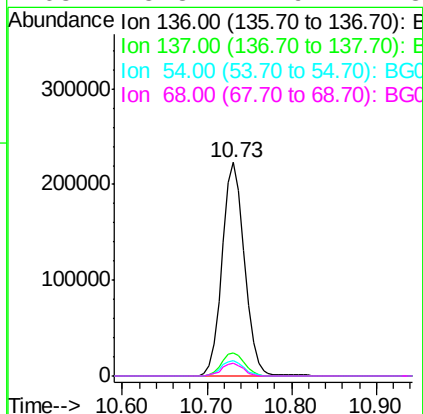
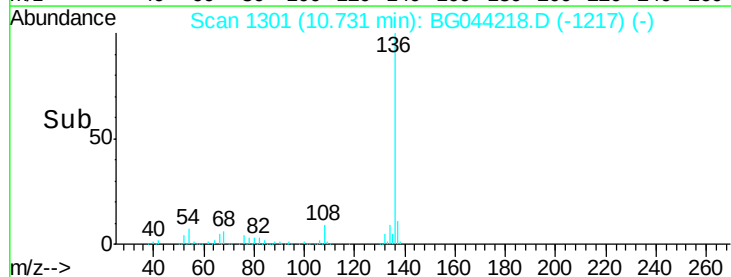
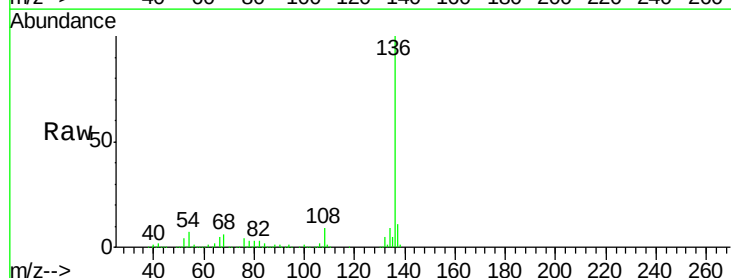
Instrument :
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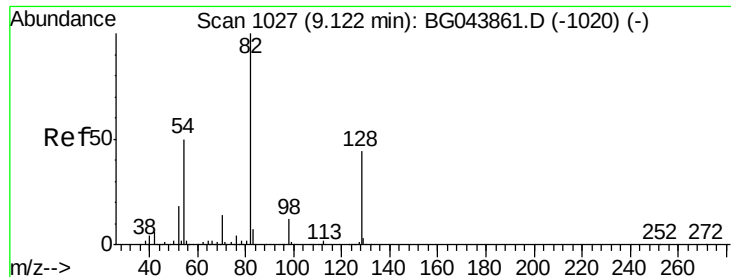
Tot Ion: 70 Resp: 86005
Ion Ratio Lower Upper
70 100
42 46.7 47.0 70.4#
101 0.0 7.2 10.8#
130 2.4 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

Tgt Ion: 136 Resp: 407999
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 7.5 7.0 10.4
68 5.8 4.9 7.3

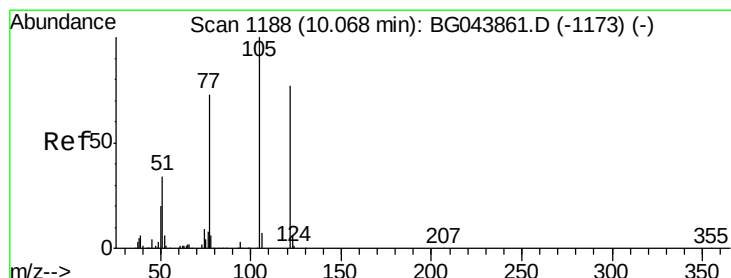
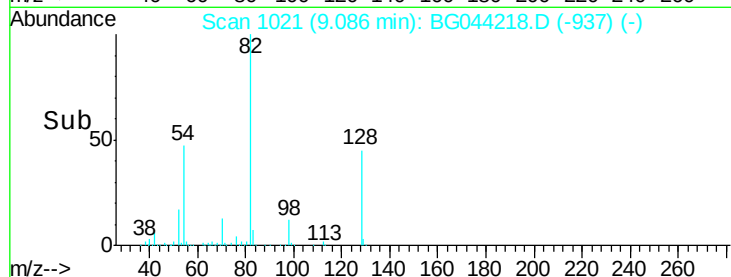
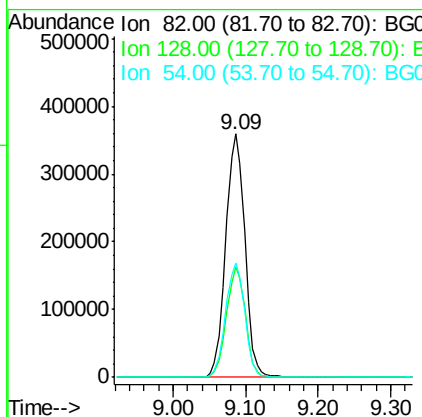
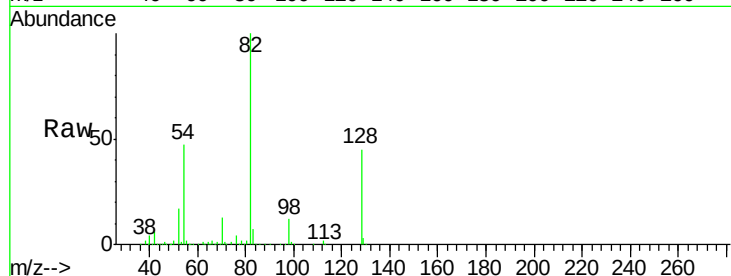




#23
Nitrobenzene-d5
Concen: 86.761 ng
RT: 9.09 min Scan# 1021
Delta R.T. -0.04 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

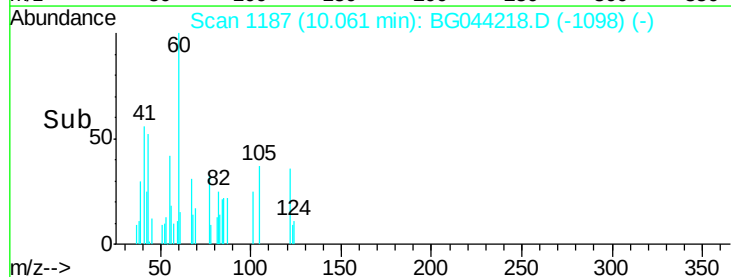
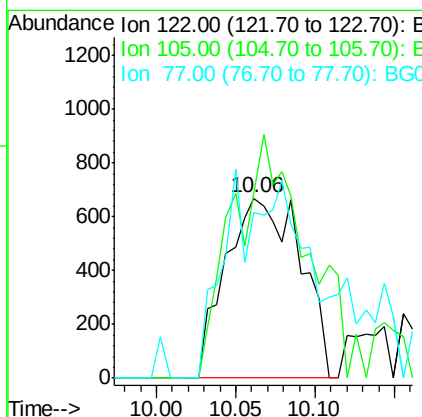
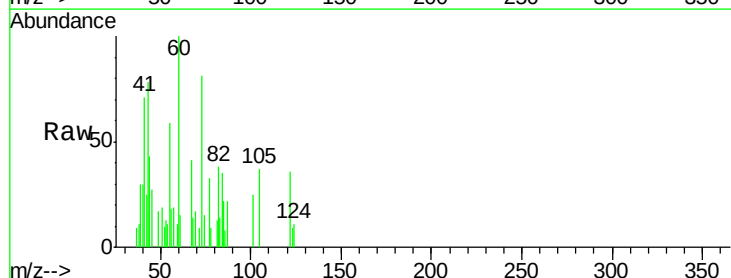
Instrument :
BNA_G
ClientSampleId :
20200063-AMENDED-COMP-1

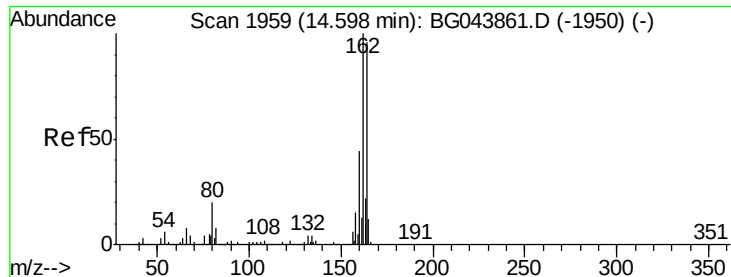
Tot Ion: 82 Resp: 661702
Ion Ratio Lower Upper
82 100
128 45.4 35.1 52.7
54 46.9 40.1 60.1



#32
Benzoic acid
Concen: 6.696 ng
RT: 10.06 min Scan# 1187
Delta R.T. -0.01 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

Tgt Ion: 122 Resp: 2189
Ion Ratio Lower Upper
122 100
105 102.8 106.4 146.4#
77 92.2 74.6 114.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.04 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

Instrument :

BNA_G

ClientSampleId :

20200063-AMENDED-COMP-1

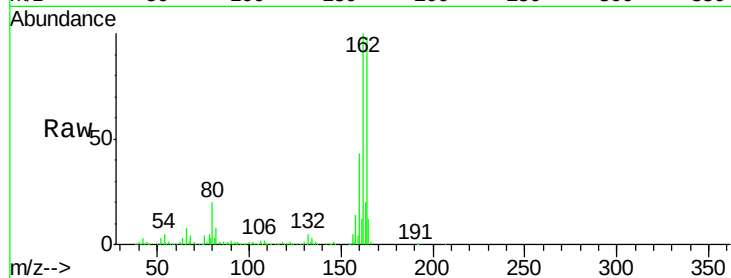
Tot Ion:164 Resp: 271999

Ion Ratio Lower Upper

164 100

162 102.0 83.0 124.4

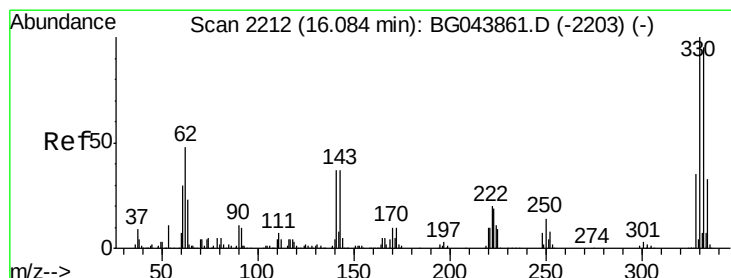
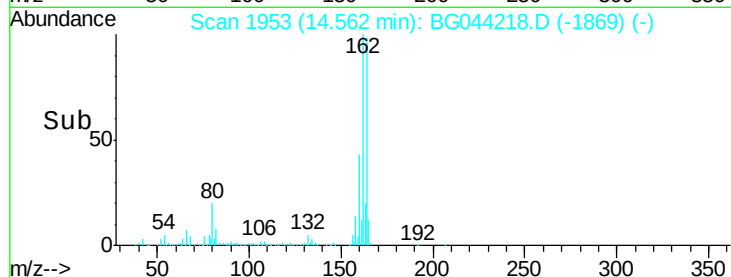
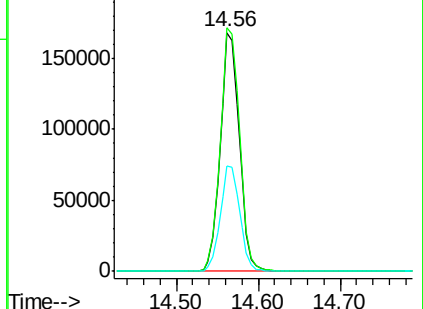
160 44.1 36.1 54.1



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: 147.116 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

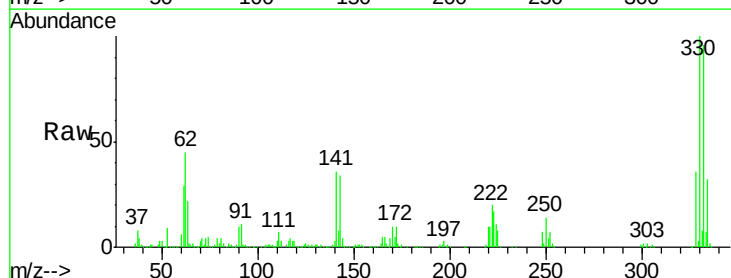
Tgt Ion:330 Resp: 418753

Ion Ratio Lower Upper

330 100

332 95.8 77.2 115.8

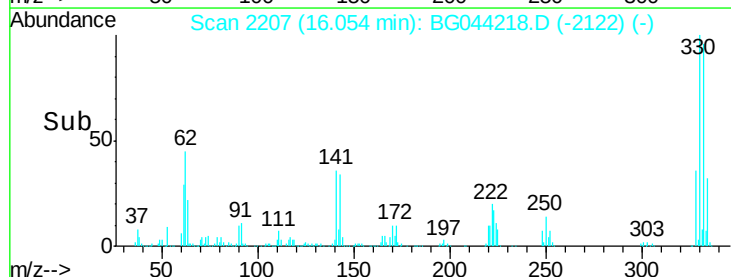
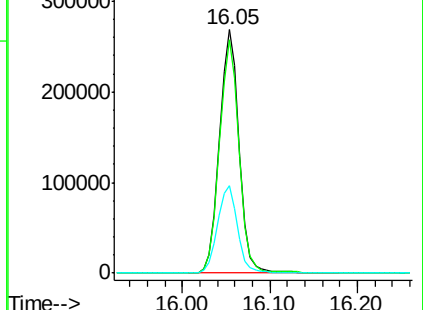
141 36.6 33.1 49.7

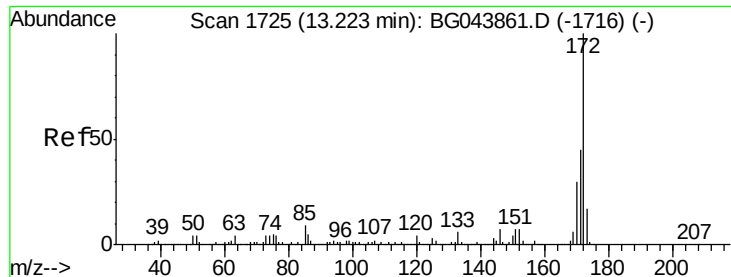


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

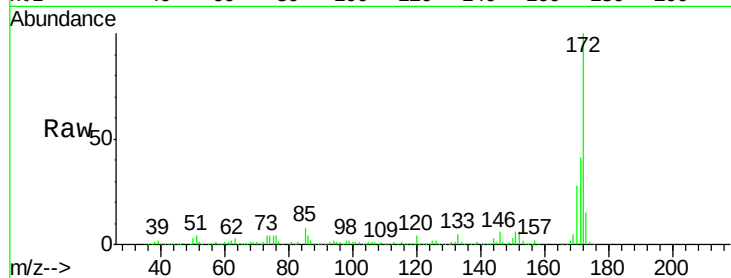




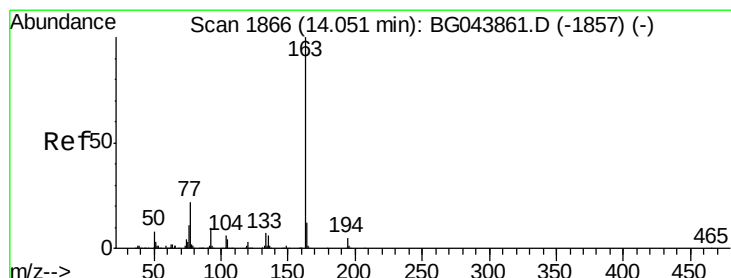
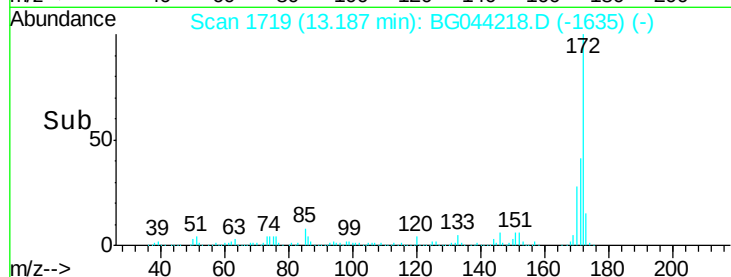
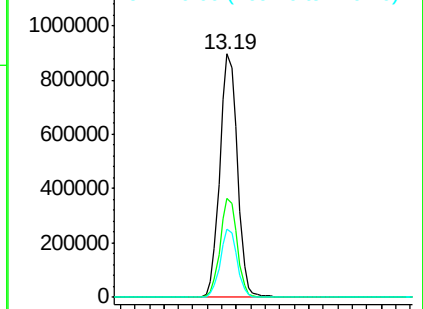
#45
2-Fluorobiphenyl
Concen: 101.016 ng
RT: 13.19 min Scan# 1719
Delta R.T. -0.04 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

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Tot Ion:172 Resp: 1516542
Ion Ratio Lower Upper
172 100
171 40.5 35.8 53.8
170 27.9 24.2 36.4

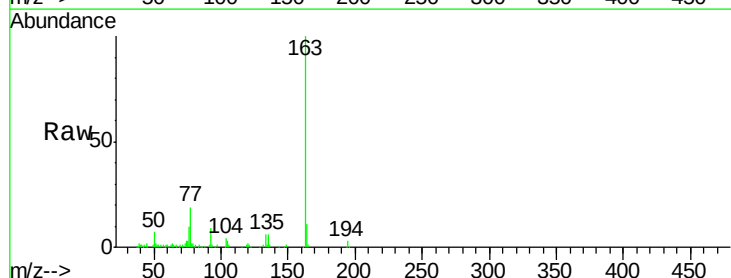


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

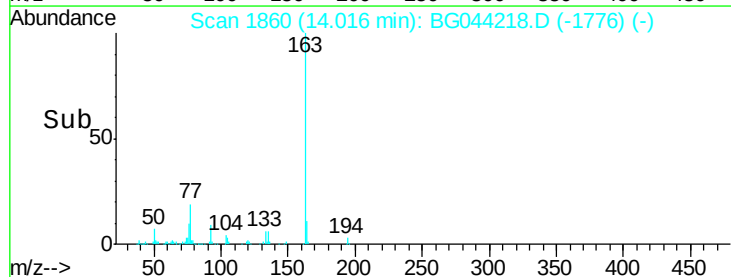
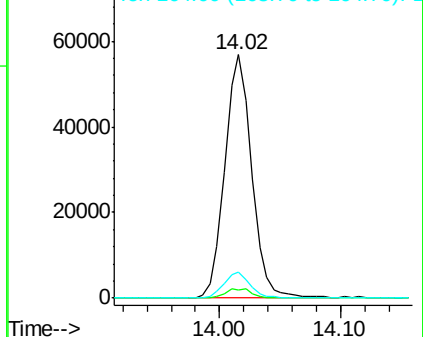


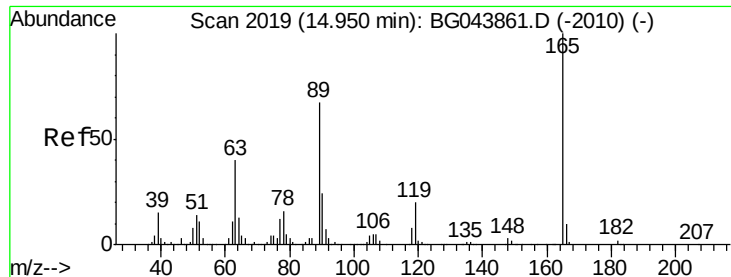
#50
Dimethylphthalate
Concen: 4.558 ng
RT: 14.02 min Scan# 1860
Delta R.T. -0.04 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

Tgt Ion:163 Resp: 88021
Ion Ratio Lower Upper
163 100
194 3.3 3.7 5.5#
164 10.7 9.3 13.9



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

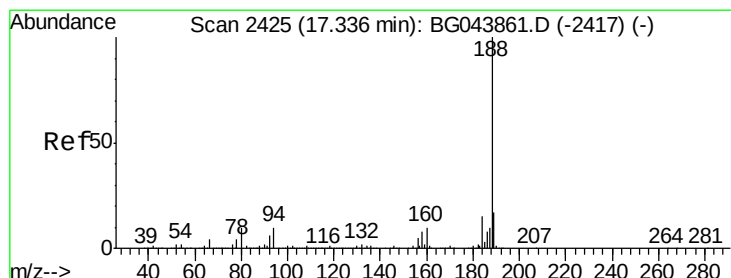
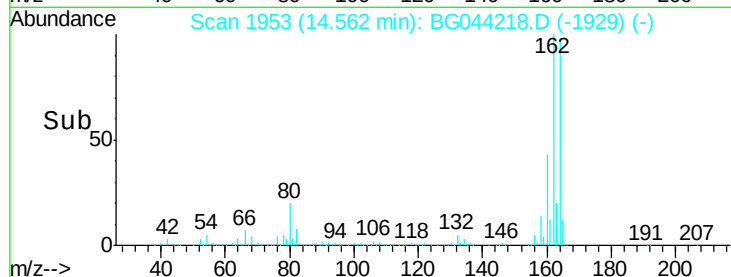
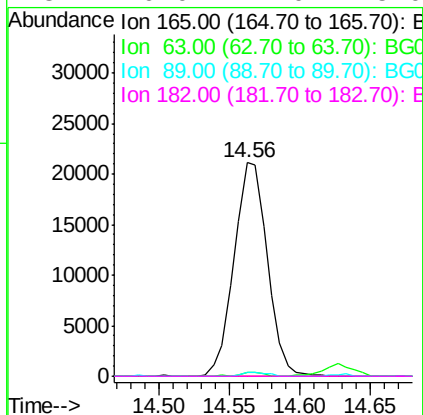
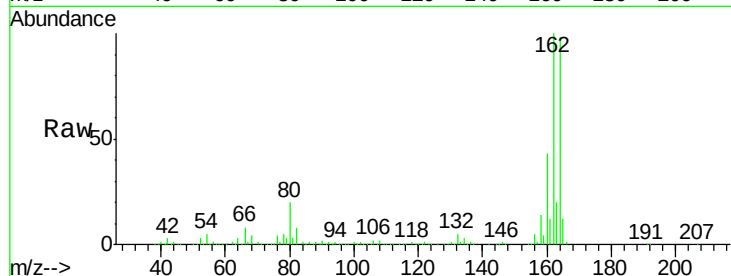




#57
 2,4-Dinitrotoluene
 Concen: 5.866 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.39 min
 Lab File: BG044218.D
 Acq: 27 Jan 2020 16:51

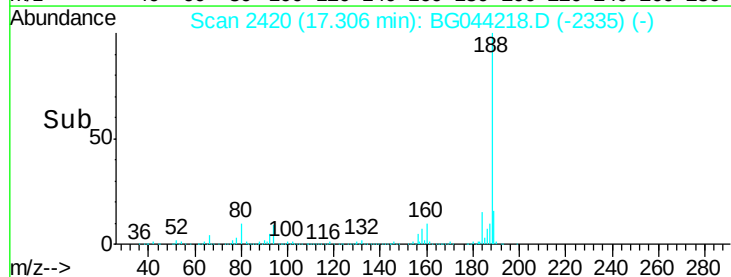
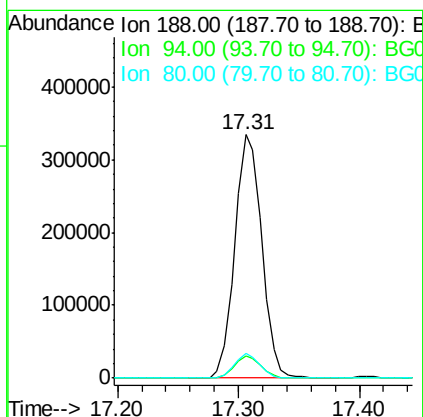
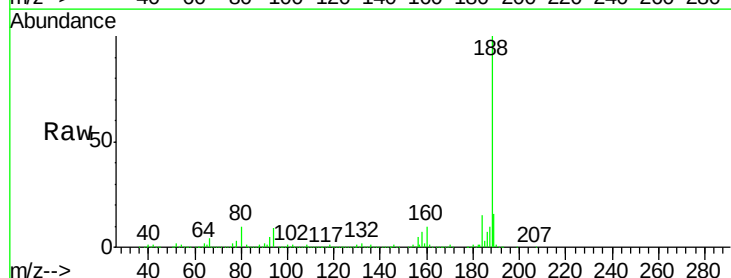
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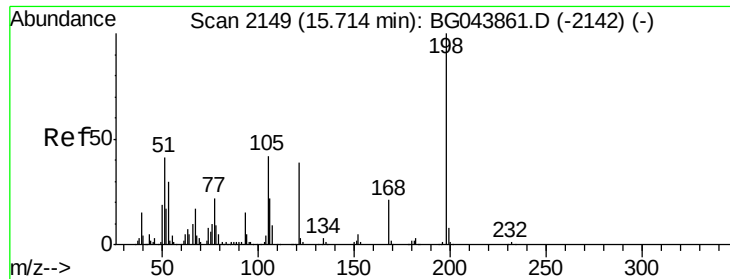
Tot Ion:165 Resp: 34842
 Ion Ratio Lower Upper
 165 100
 63 1.5 31.9 47.9#
 89 1.7 53.8 80.6#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.31 min Scan# 2420
 Delta R.T. -0.03 min
 Lab File: BG044218.D
 Acq: 27 Jan 2020 16:51

Tgt Ion:188 Resp: 522287
 Ion Ratio Lower Upper
 188 100
 94 9.2 7.9 11.9
 80 10.2 8.2 12.4

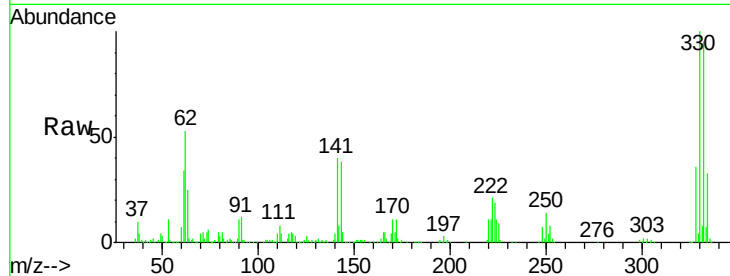




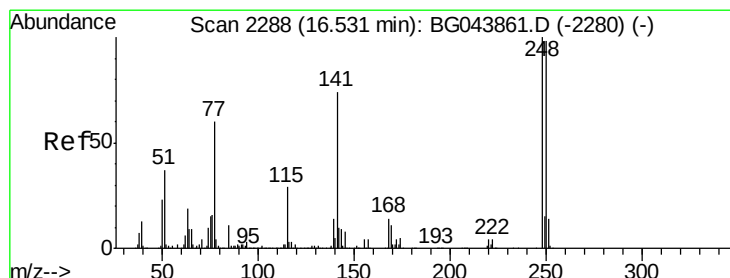
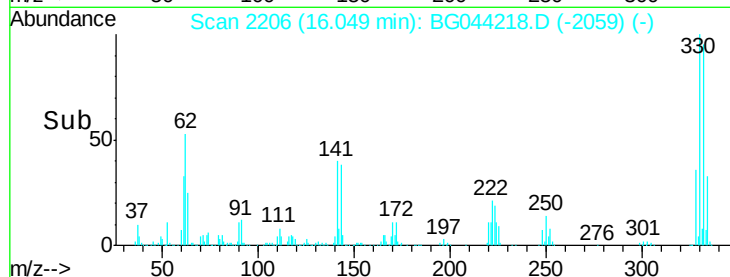
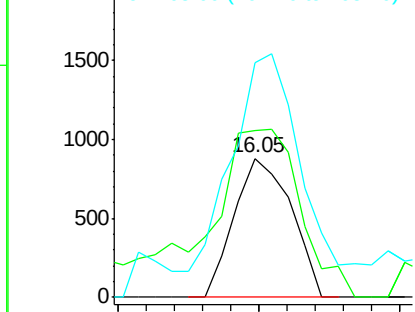
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.805 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.33 min
 Lab File: BG044218.D
 Acq: 27 Jan 2020 16:51

Instrument :
 BNA_G
 ClientSampleId :
 20200063-AMENDED-COMP-1

Tot Ion:198 Resp: 1230
 Ion Ratio Lower Upper
 198 100
 51 120.5 22.5 62.5#
 105 168.5 22.3 62.3#

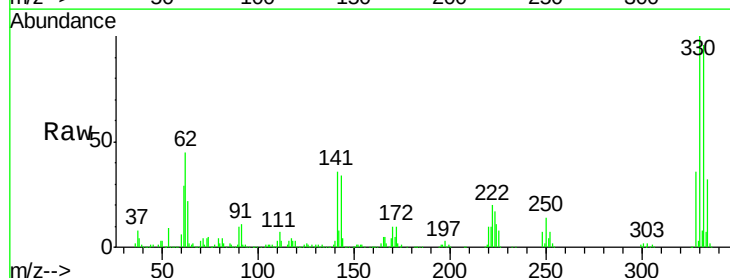


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

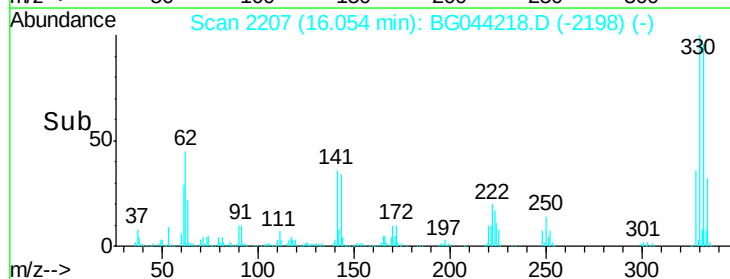
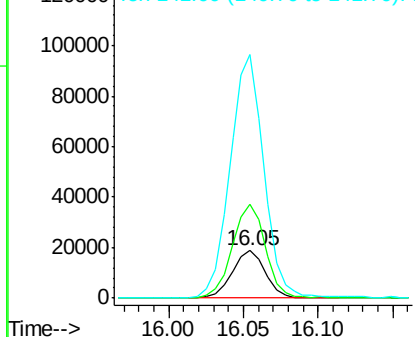


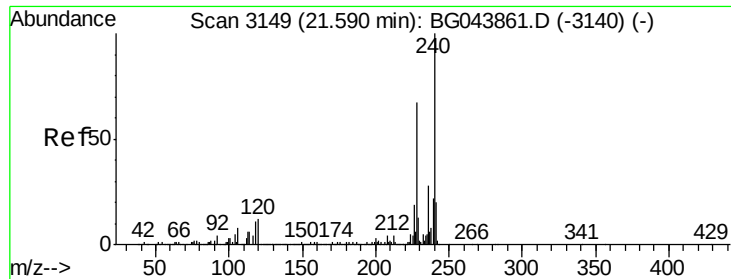
#67
 4-Bromophenyl-phenylether
 Concen: 4.949 ng
 RT: 16.05 min Scan# 2207
 Delta R.T. -0.48 min
 Lab File: BG044218.D
 Acq: 27 Jan 2020 16:51

Tgt Ion:248 Resp: 29072
 Ion Ratio Lower Upper
 248 100
 250 197.7 78.2 117.2#
 141 515.3 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

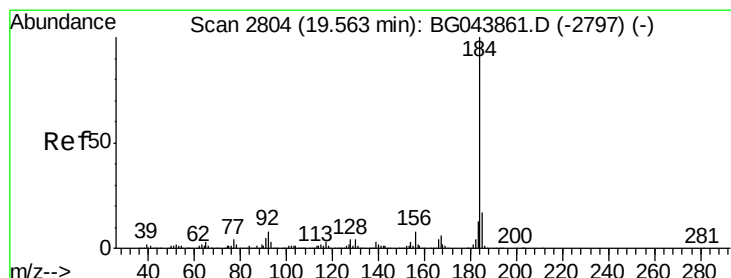
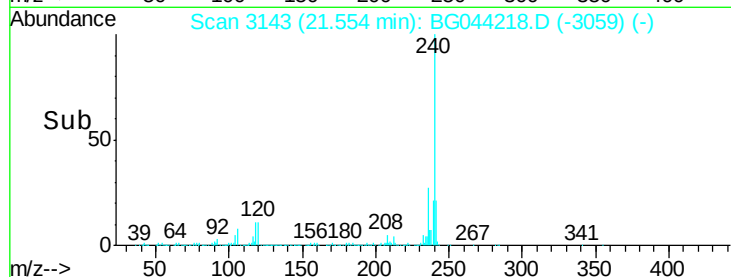
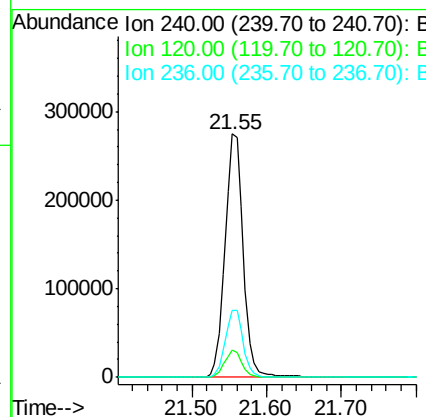
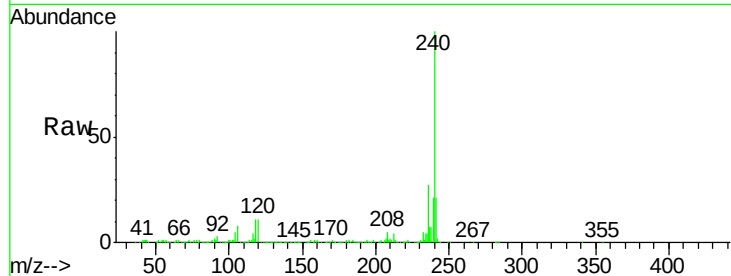




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.55 min Scan# 3143
Delta R.T. -0.04 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

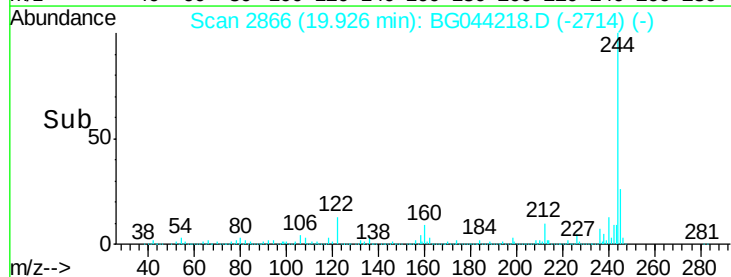
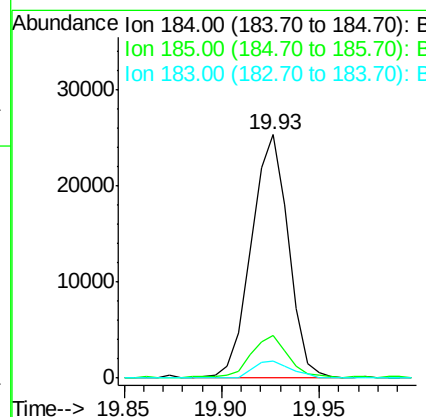
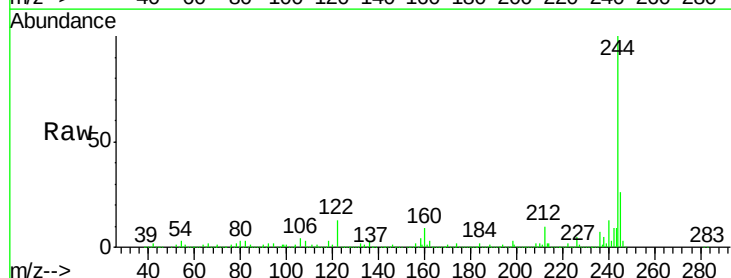
Instrument :
BNA_G
ClientSampleId :
20200063-AMENDED-COMP-1

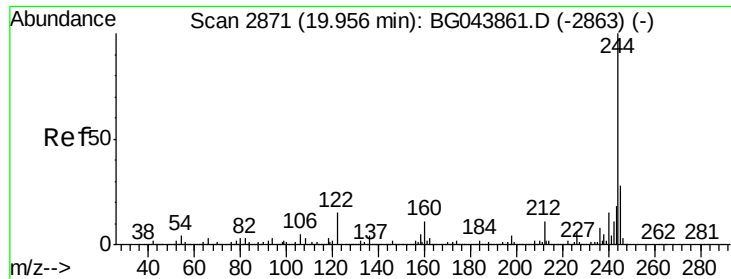
Tot Ion:240 Resp: 465516
Ion Ratio Lower Upper
240 100
120 11.3 9.6 14.4
236 27.3 22.2 33.2



#77
Benzidine
Concen: 2.848 ng
RT: 19.93 min Scan# 2866
Delta R.T. 0.36 min
Lab File: BG044218.D
Acq: 27 Jan 2020 16:51

Tgt Ion:184 Resp: 33326
Ion Ratio Lower Upper
184 100
185 17.4 13.4 20.0
183 7.1 10.6 15.8#





#79

Terphenyl-d14

Concen: 106.493 ng

RT: 19.93 min Scan# 2866

Delta R.T. -0.03 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

Instrument :

BNA_G

ClientSampleId :

20200063-AMENDED-COMP-1

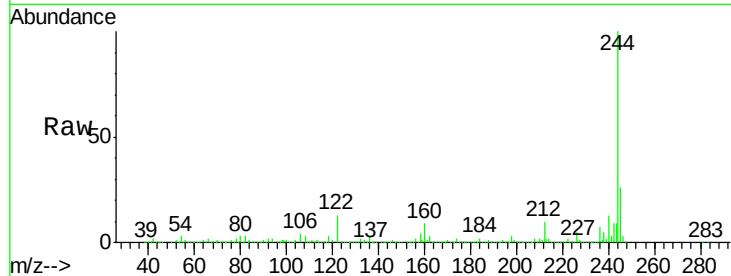
Tot Ion:244 Resp: 1929016

Ion	Ratio	Lower	Upper
244	100		
212	9.6	8.6	13.0
122	12.5	11.9	17.9

244 100

212 9.6 8.6 13.0

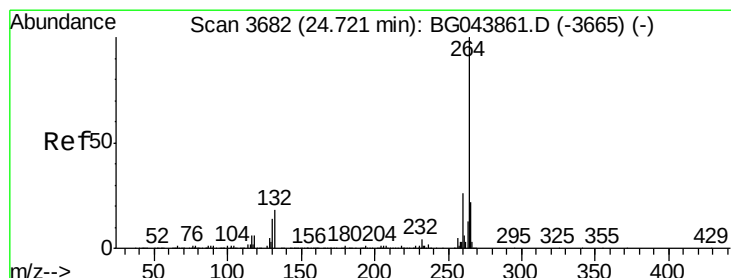
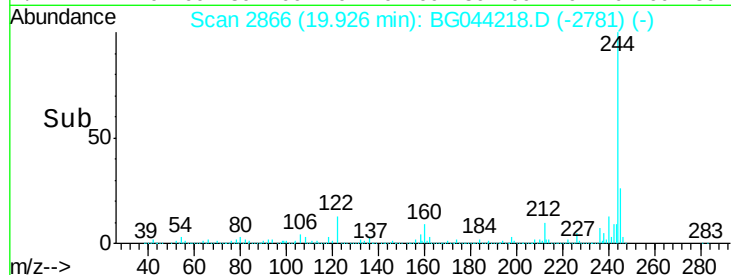
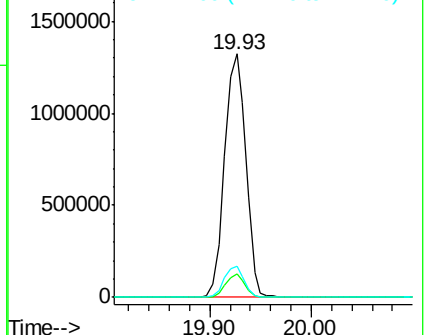
122 12.5 11.9 17.9



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: 24.66 min Scan# 3672

Delta R.T. -0.06 min

Lab File: BG044218.D

Acq: 27 Jan 2020 16:51

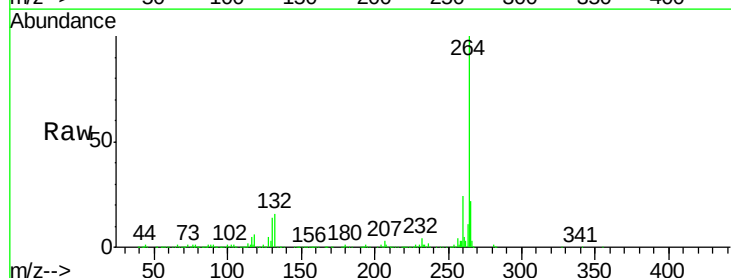
Tgt Ion:264 Resp: 526496

Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.4	30.6
265	21.9	17.4	26.2

264 100

260 24.2 20.4 30.6

265 21.9 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

