

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG062419\
 Data File : BG041431.D
 Acq On : 24 Jun 2019 21:14
 Operator : HP/JU
 Sample : K3500-09
 Misc : MDL-WATER-8.0PPM
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 GW-A-061919

Quant Time: Jun 25 05:08:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG061719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 17 14:58:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	32090	20.00	ng	-0.03
21) Naphthalene-d8	10.87	136	130887	20.00	ng	-0.04
39) Acenaphthene-d10	14.68	164	93854	20.00	ng	-0.04
64) Phenanthrene-d10	17.43	188	230428	20.00	ng	-0.03
76) Chrysene-d12	21.70	240	229925	20.00	ng	-0.04
87) Perylene-d12	24.99	264	172595	20.00	ng	-0.05

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.59	112	99651	57.06	ng	-0.03
7) Phenol-d6	7.20	99	92386	36.49	ng	-0.03
23) Nitrobenzene-d5	9.23	82	254180	81.67	ng	-0.03
42) 2,4,6-Tribromophenol	16.18	330	190291	132.07	ng	-0.03
45) 2-Fluorobiphenyl	13.31	172	627719	90.90	ng	-0.03
79) Terphenyl-d14	20.03	244	1086100	93.61	ng	-0.03

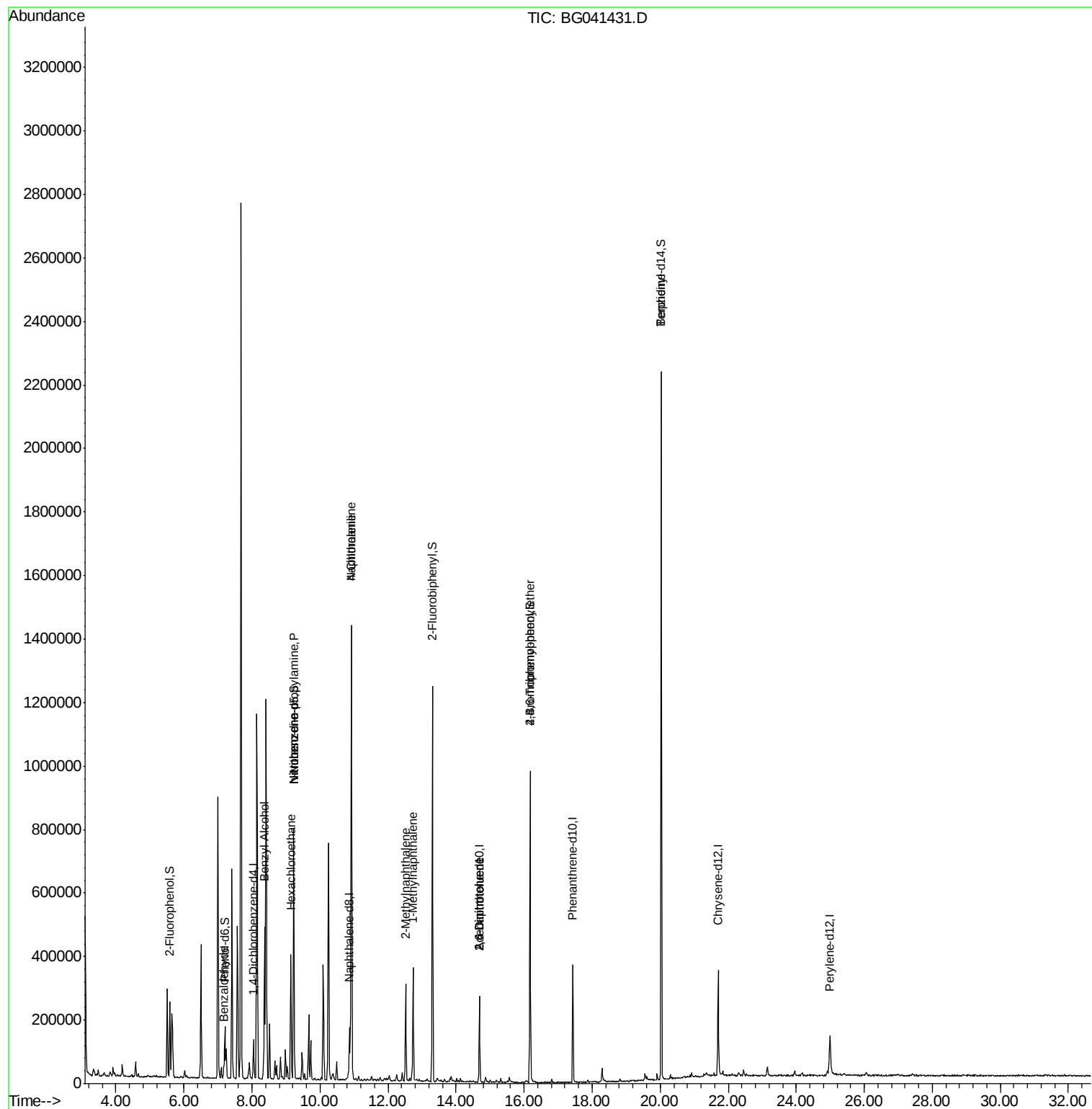
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.17	77	3289	2.031	ng	# 1
15) Benzyl Alcohol	8.36	79	5524	2.277	ng	# 52
18) Hexachloroethane	9.15	117	63292	60.853	ng	# 1
19) n-Nitroso-di-n-propylamine	9.23	70	36817	17.982	ng	# 74
24) Nitrobenzene	9.23	77	15790	5.045	ng	# 11
31) Naphthalene	10.92	128	1136419	159.755	ng	98
33) 4-Chloroaniline	10.92	127	166770	55.202	ng	# 30
37) 2-Methylnaphthalene	12.52	142	136957	26.141	ng	96
38) 1-Methylnaphthalene	12.74	142	150505	30.025	ng	100
51) 2,6-Dinitrotoluene	14.69	165	12624	7.169	ng	# 18
57) 2,4-Dinitrotoluene	14.69	165	12624	4.905	ng	# 22
67) 4-Bromophenyl-phenylether	16.18	248	13906	4.667	ng	# 1
77) Benzidine	20.03	184	18712	3.365	ng	97

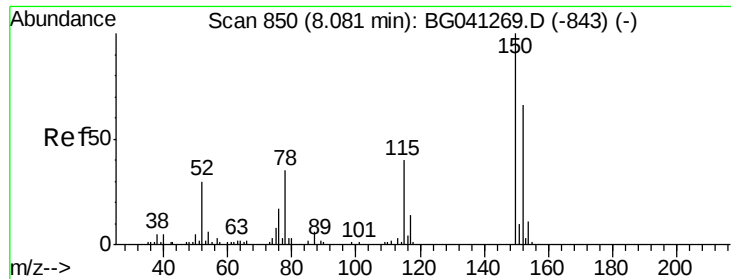
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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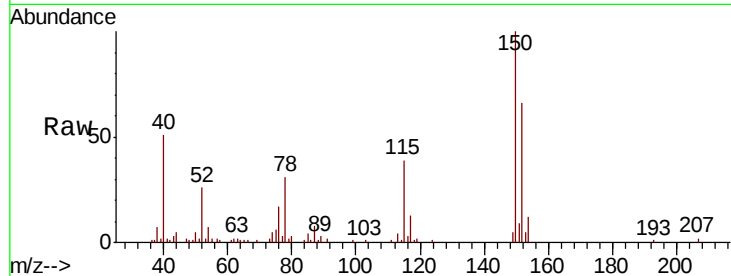


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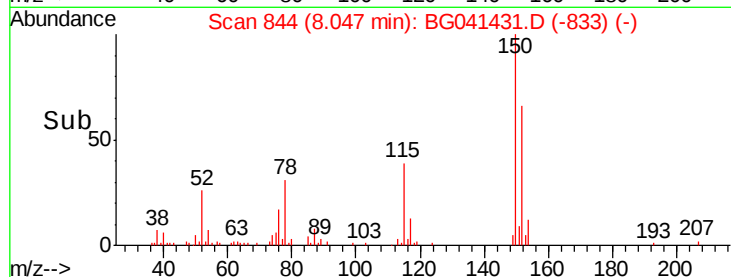
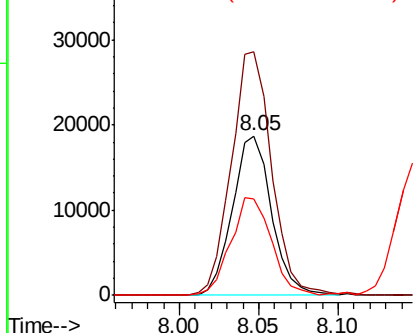
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.03 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Instrument :
BNA_G
ClientSampleId :
GW-A-061919

Tgt Ion:152 Resp: 32090
Ion Ratio Lower Upper
152 100
150 152.6 120.6 181.0
115 60.1 47.9 71.9



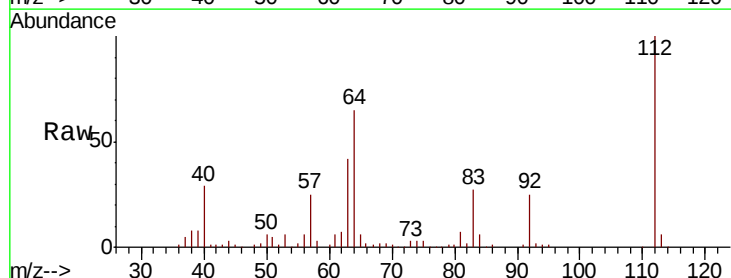
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



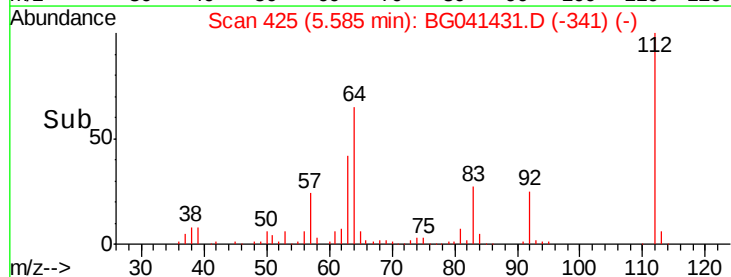
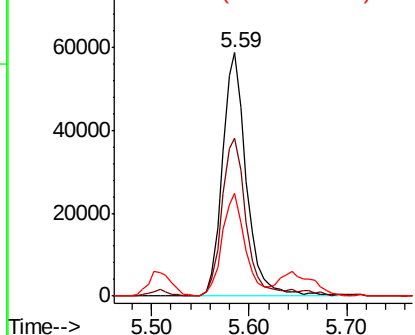
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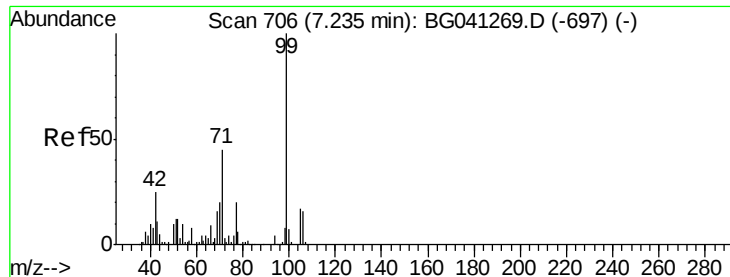
2-Fluorophenol
Concen: 57.058 ng
RT: 5.59 min Scan# 425
Delta R.T. -0.03 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Tgt Ion:112 Resp: 99651
Ion Ratio Lower Upper
112 100
64 64.7 55.9 83.9
63 42.0 34.6 51.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 36.494 ng

RT: 7.20 min Scan# 700

Delta R.T. -0.03 min

Lab File: BG041431.D

Acq: 24 Jun 2019 21:14

Instrument :

BNA_G

ClientSampleId :

GW-A-061919

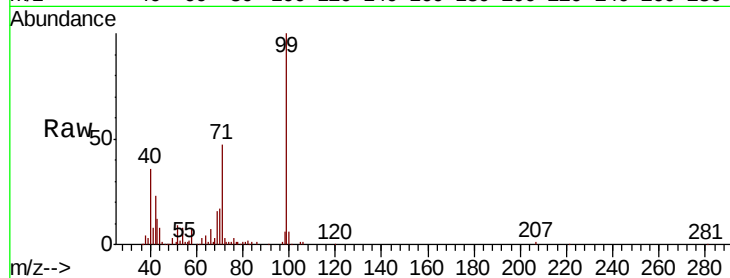
Tgt Ion: 99 Resp: 92386

Ion Ratio Lower Upper

99 100

42 23.5 19.9 29.9

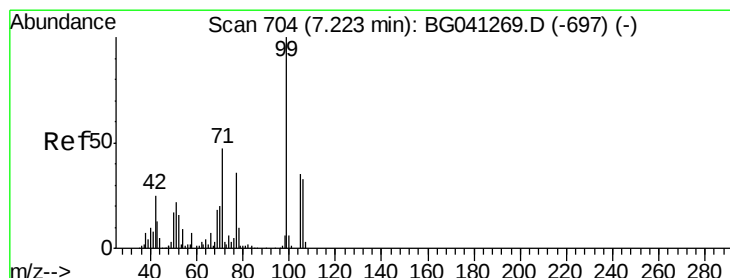
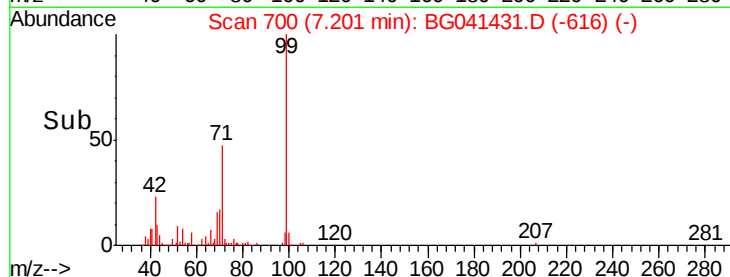
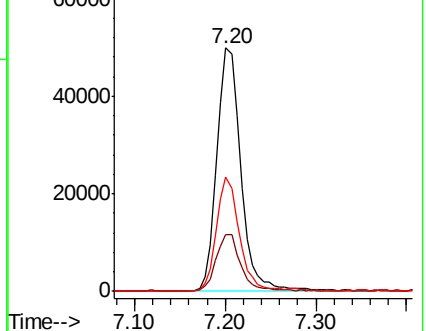
71 46.8 36.4 54.6



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



#9

Benzaldehyde

Concen: 2.031 ng

RT: 7.17 min Scan# 695

Delta R.T. -0.05 min

Lab File: BG041431.D

Acq: 24 Jun 2019 21:14

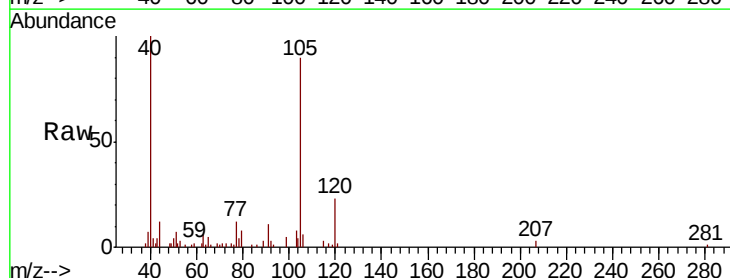
Tgt Ion: 77 Resp: 3289

Ion Ratio Lower Upper

77 100

105 728.4 78.7 118.7#

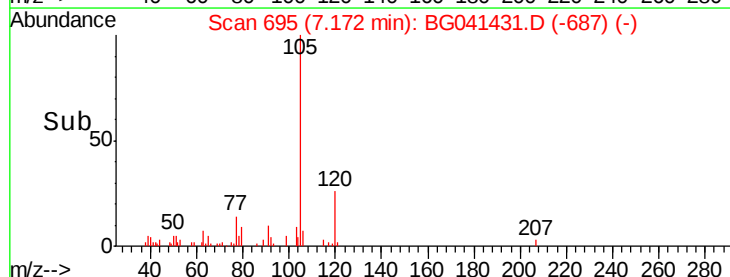
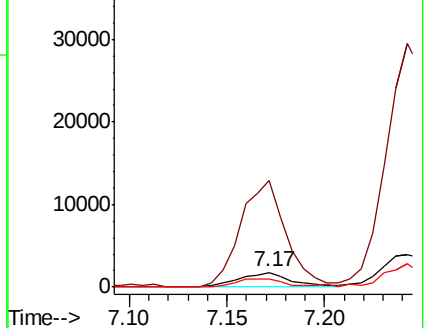
106 51.2 71.1 111.1#

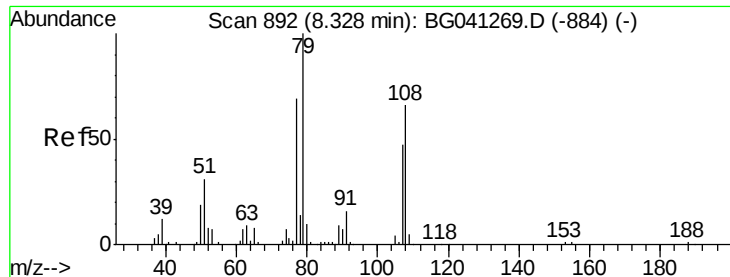


Abundance Ion 77.00 (76.70 to 77.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 106.00 (105.70 to 106.70): BGC





#15

Benzyl Alcohol

Concen: 2.277 ng

RT: 8.36 min Scan# 898

Delta R.T. 0.04 min

Lab File: BG041431.D

Acq: 24 Jun 2019 21:14

Instrument :

BNA_G

ClientSampleId :

GW-A-061919

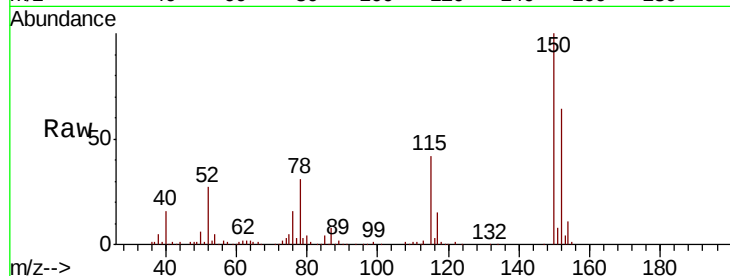
Tgt Ion: 79 Resp: 5524

Ion Ratio Lower Upper

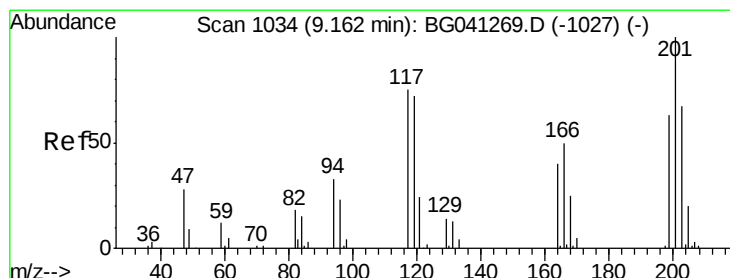
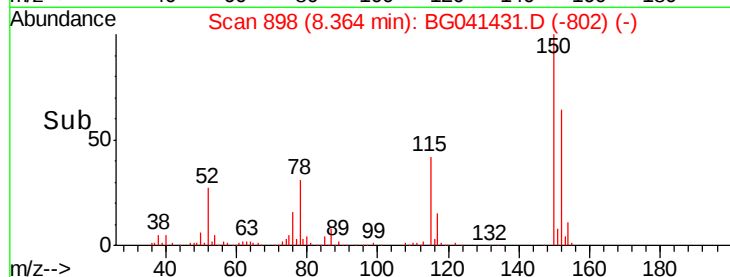
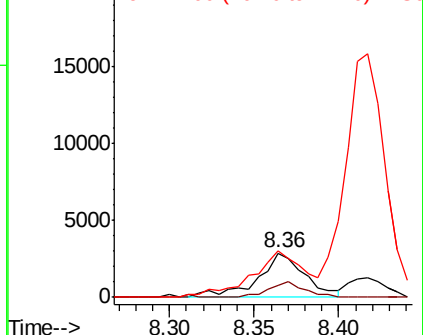
79 100

108 26.5 52.7 79.1#

77 106.3 55.2 82.8#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC



#18

Hexachloroethane

Concen: 60.853 ng

RT: 9.15 min Scan# 1031

Delta R.T. -0.02 min

Lab File: BG041431.D

Acq: 24 Jun 2019 21:14

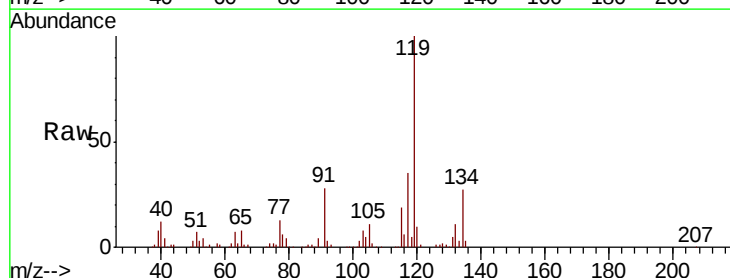
Tgt Ion: 117 Resp: 63292

Ion Ratio Lower Upper

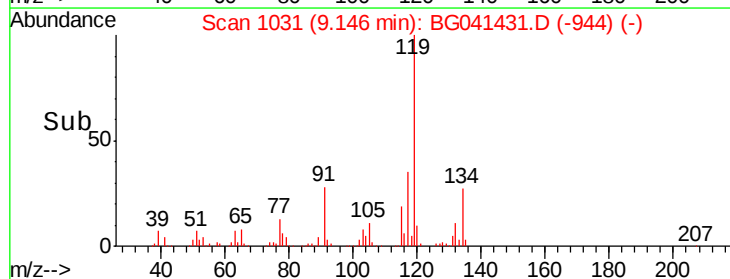
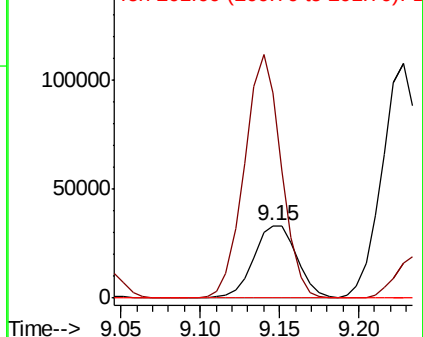
117 100

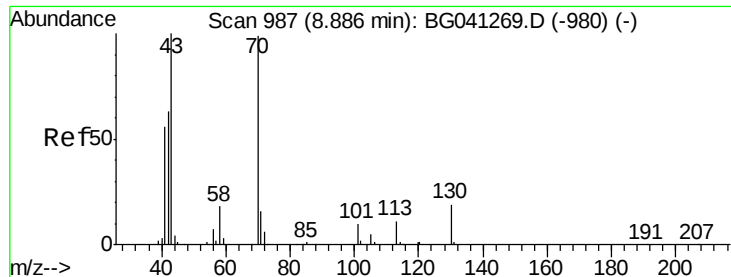
119 283.2 76.8 115.2#

201 0.0 106.3 159.5#



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

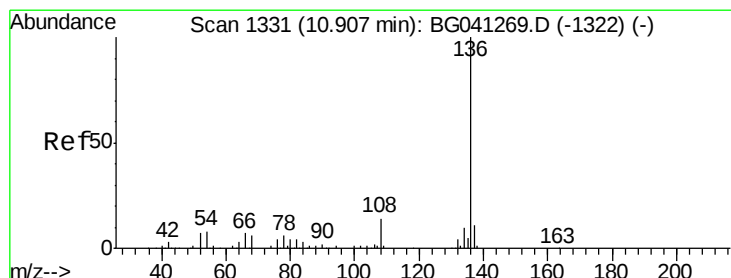
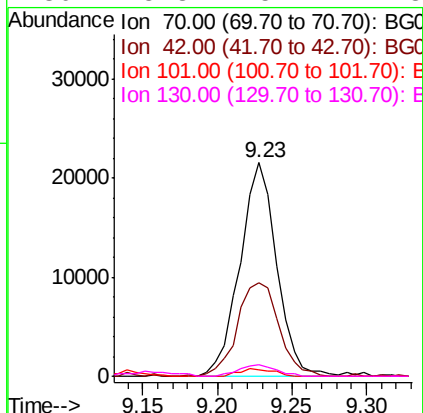
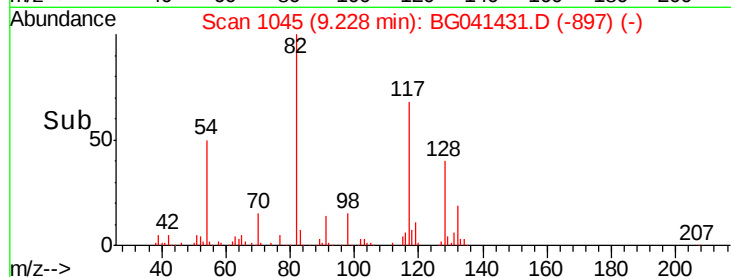
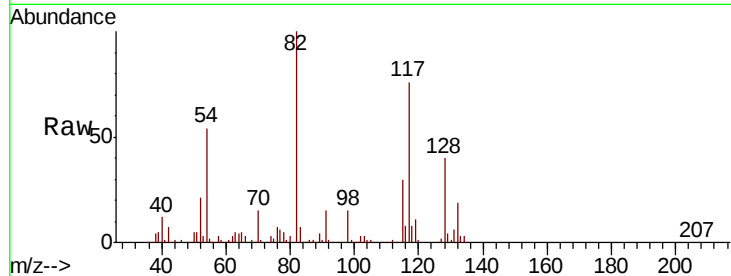




#19
n-Nitroso-di-n-propylamine
Concen: 17.982 ng
RT: 9.23 min Scan# 1045
Delta R.T. 0.34 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

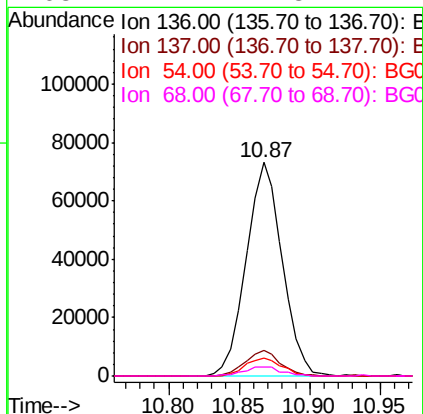
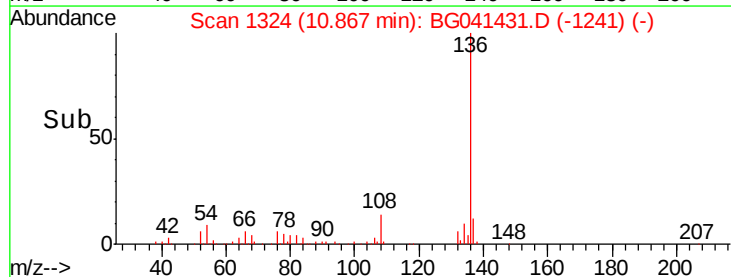
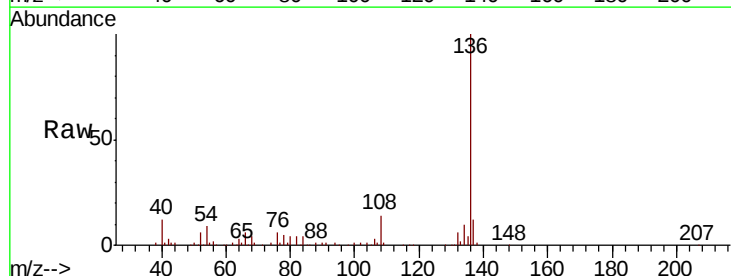
Instrument :
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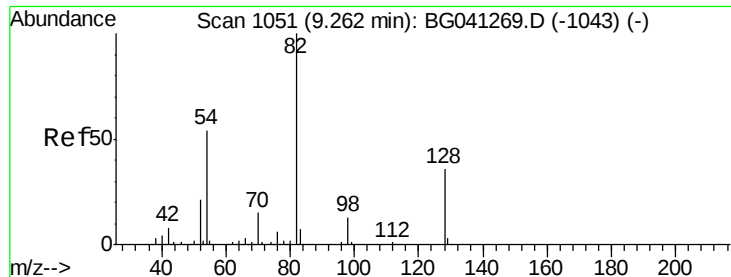
Tgt Ion: 70 Resp: 36817
Ion Ratio Lower Upper
70 100
42 43.8 51.4 77.2#
101 3.0 8.2 12.2#
130 5.3 15.2 22.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1324
Delta R.T. -0.04 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Tgt Ion:136 Resp: 130887
Ion Ratio Lower Upper
136 100
137 11.9 8.8 13.2
54 8.7 6.4 9.6
68 4.1 4.8 7.2#

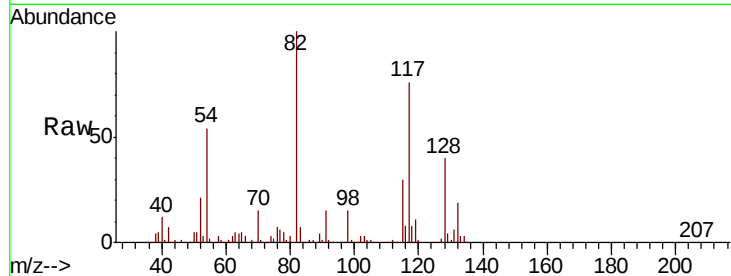




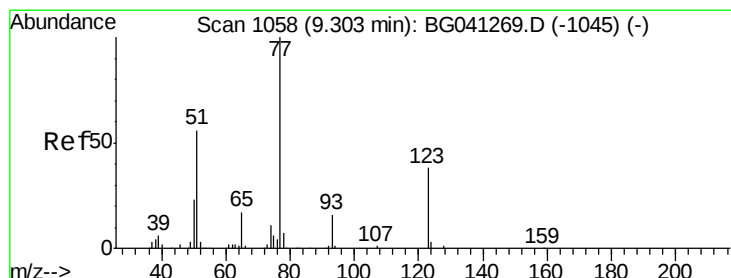
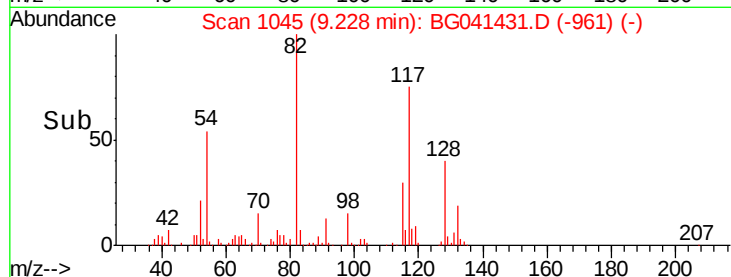
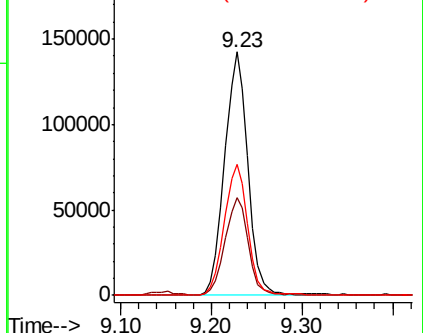
#23
Nitrobenzene-d5
Concen: 81.672 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.03 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Instrument :
BNA_G
ClientSampleId :
GW-A-061919

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.0	29.2	43.8
54	53.7	43.4	65.0

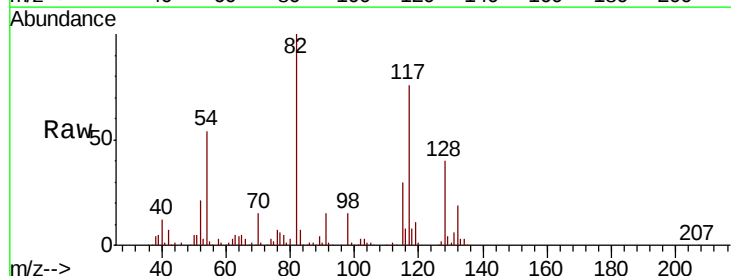


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

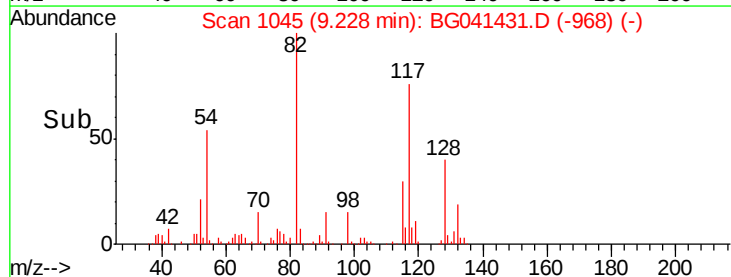
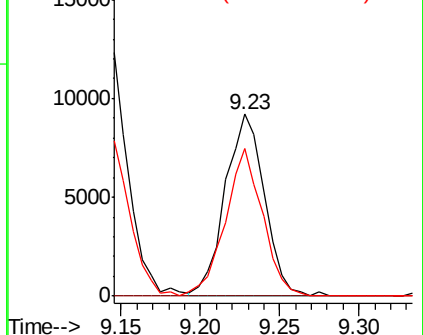


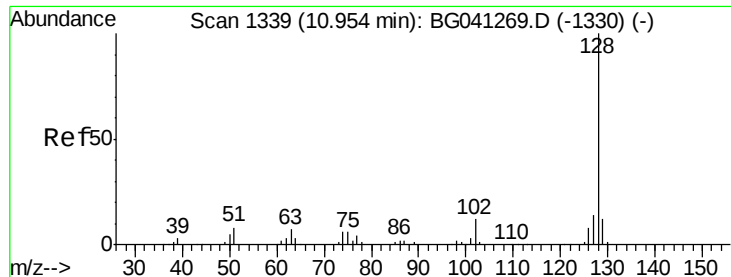
#24
Nitrobenzene
Concen: 5.045 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.07 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Tgt Ion	Ratio	Lower	Upper
77	100		
123	0.0	30.4	45.6#
65	81.1	13.3	19.9#



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 123.00 (122.70 to 123.70): BGC
Ion 65.00 (64.70 to 65.70): BGC

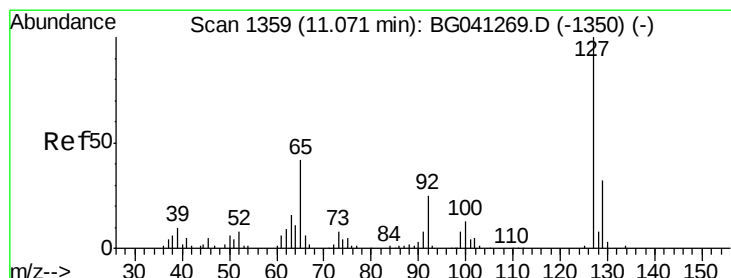
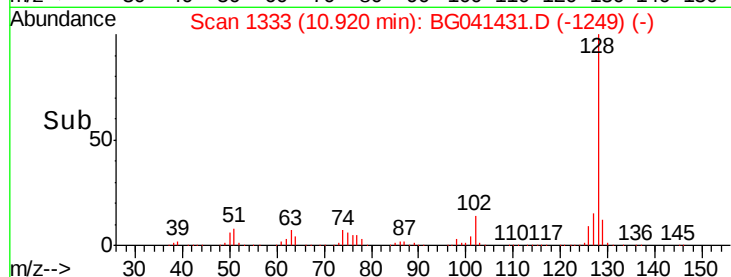
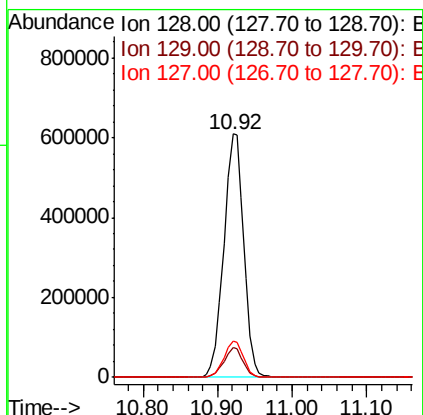
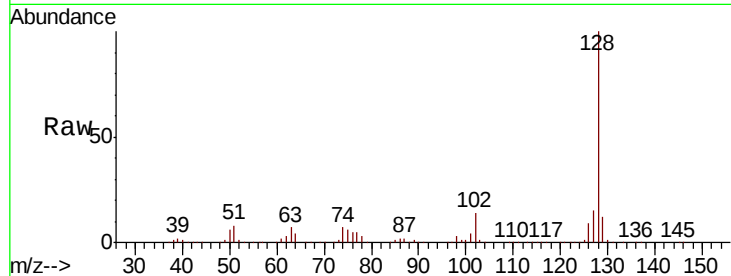




#31
Naphthalene
Concen: 159.755 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.03 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

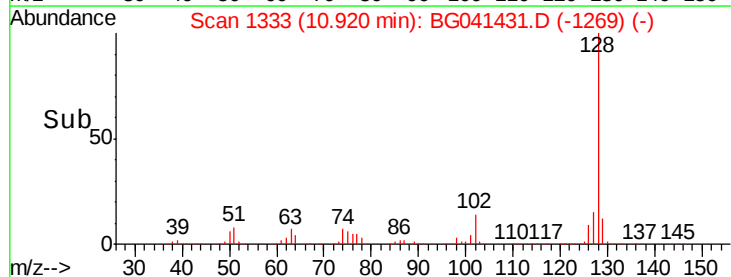
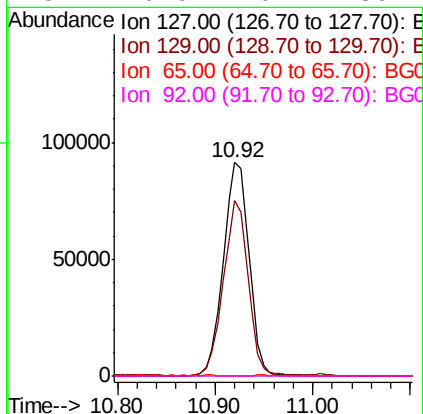
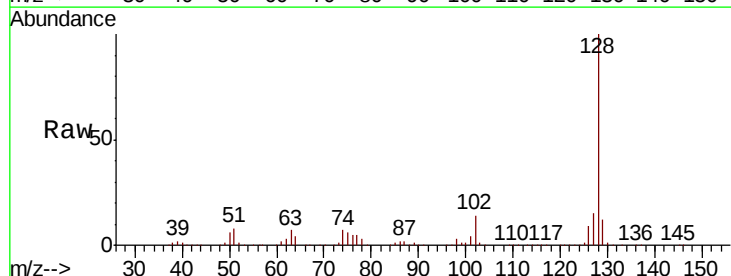
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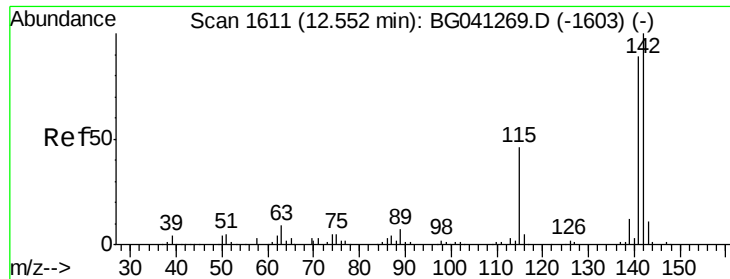
Tgt Ion:128 Resp: 1136419
Ion Ratio Lower Upper
128 100
129 12.4 9.4 14.0
127 15.0 11.2 16.8



#33
4-Chloroaniline
Concen: 55.202 ng
RT: 10.92 min Scan# 1333
Delta R.T. -0.15 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Tgt Ion:127 Resp: 166770
Ion Ratio Lower Upper
127 100
129 82.4 25.8 38.8#
65 0.0 33.8 50.8#
92 0.0 20.2 30.4#

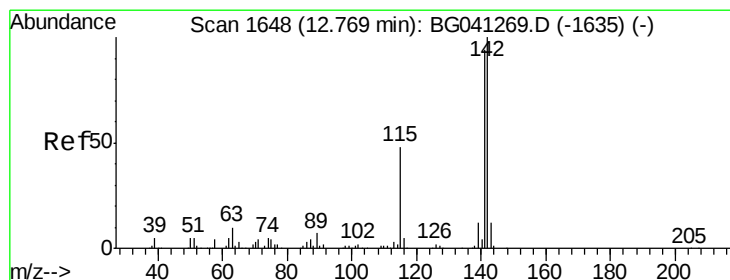
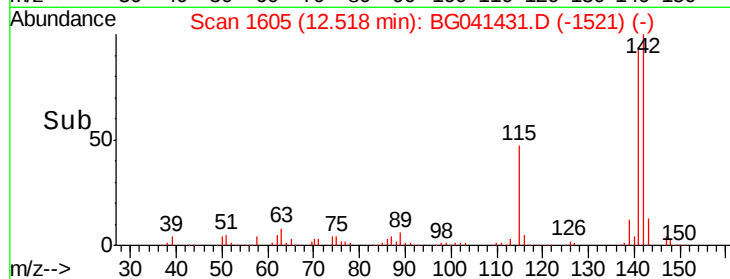
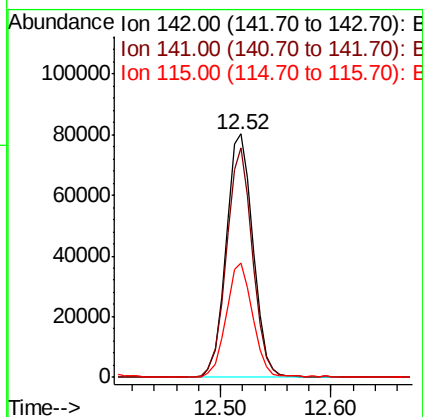
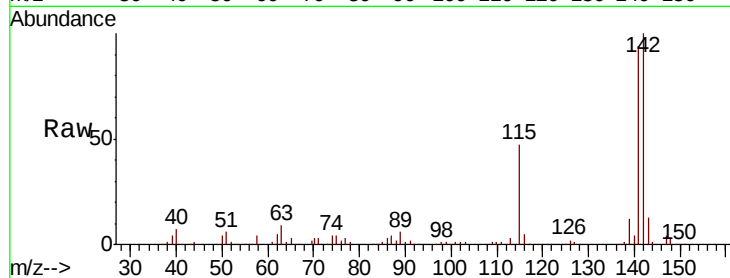




#37
 2-Methylnaphthalene
 Concen: 26.141 ng
 RT: 12.52 min Scan# 1605
 Delta R.T. -0.03 min
 Lab File: BG041431.D
 Acq: 24 Jun 2019 21:14

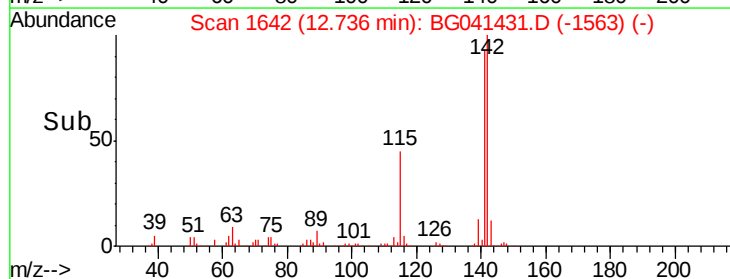
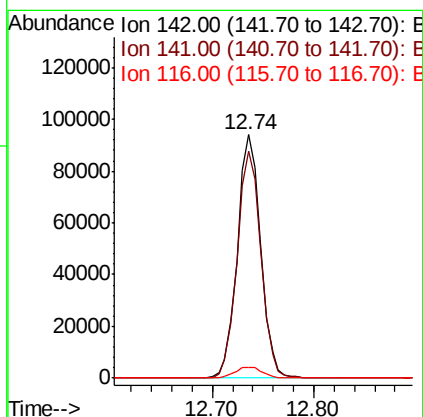
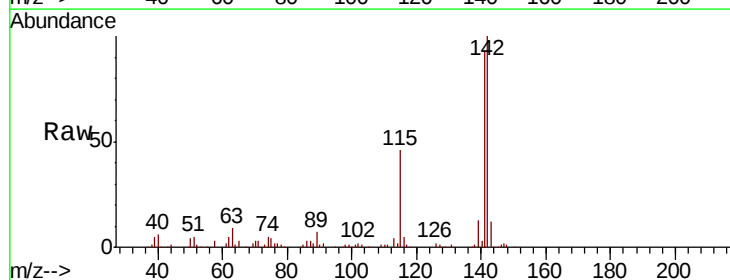
Instrument :
 BNA_G
 ClientSampleId :
 GW-A-061919

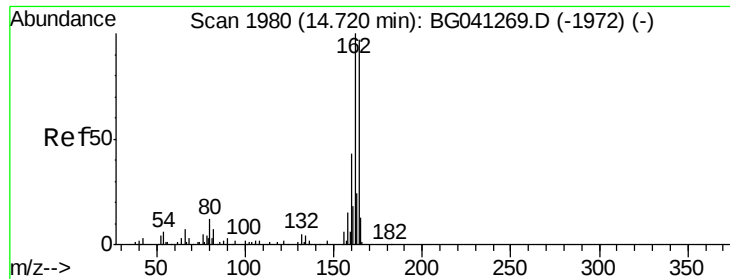
Tgt Ion:142 Resp: 136957
 Ion Ratio Lower Upper
 142 100
 141 94.1 71.5 107.3
 115 46.8 37.0 55.6



#38
 1-Methylnaphthalene
 Concen: 30.025 ng
 RT: 12.74 min Scan# 1642
 Delta R.T. -0.03 min
 Lab File: BG041431.D
 Acq: 24 Jun 2019 21:14

Tgt Ion:142 Resp: 150505
 Ion Ratio Lower Upper
 142 100
 141 93.4 75.0 112.6
 116 4.6 4.2 6.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1973

Delta R.T. -0.04 min

Lab File: BG041431.D

Acq: 24 Jun 2019 21:14

Instrument :

BNA_G

ClientSampleId :

GW-A-061919

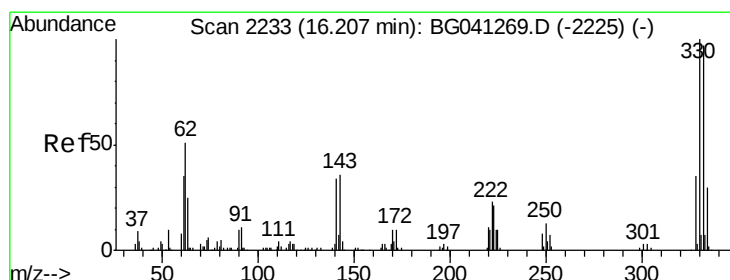
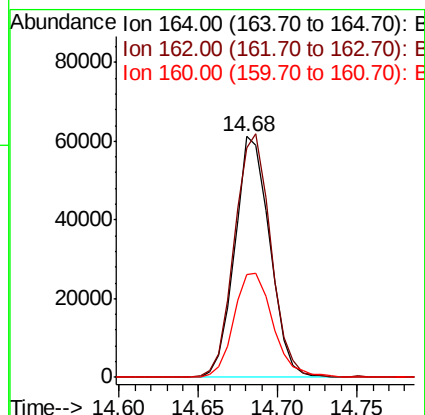
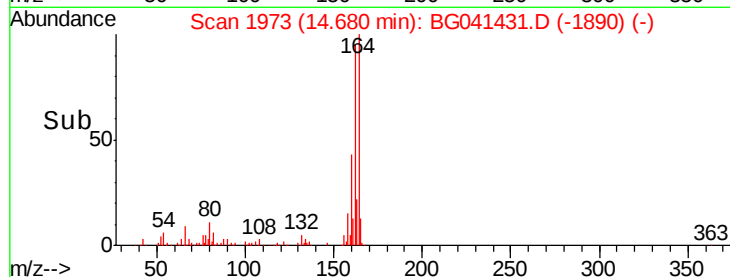
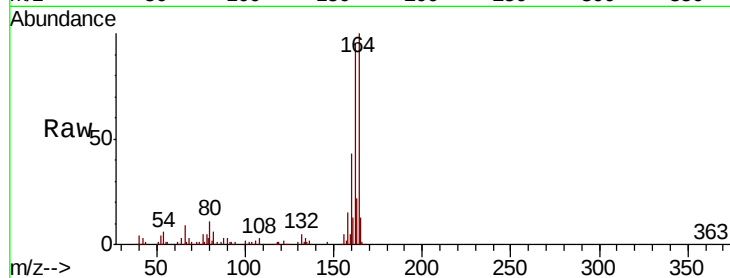
Tgt Ion:164 Resp: 93854

Ion Ratio Lower Upper

164 100

162 95.1 82.8 124.2

160 42.5 35.8 53.8



#42

2,4,6-Tribromophenol

Concen: 132.067 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.03 min

Lab File: BG041431.D

Acq: 24 Jun 2019 21:14

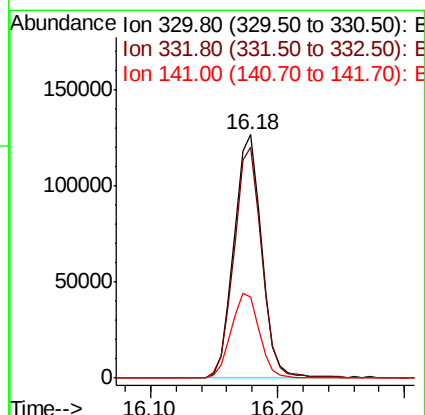
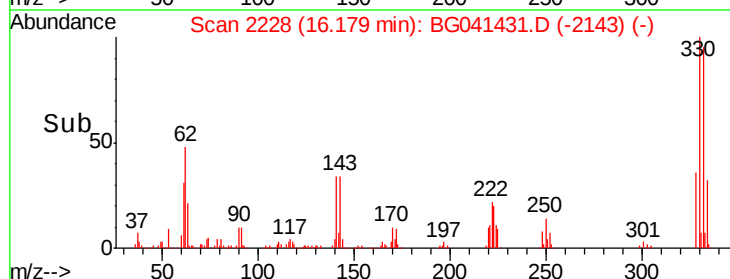
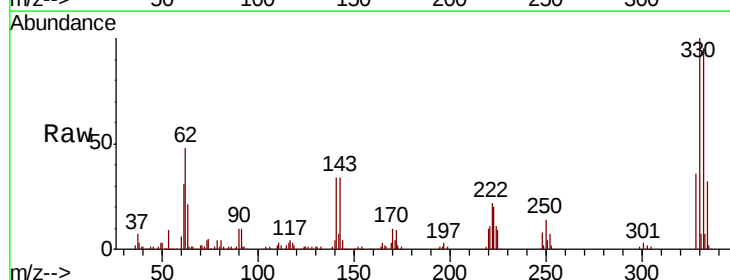
Tgt Ion:330 Resp: 190291

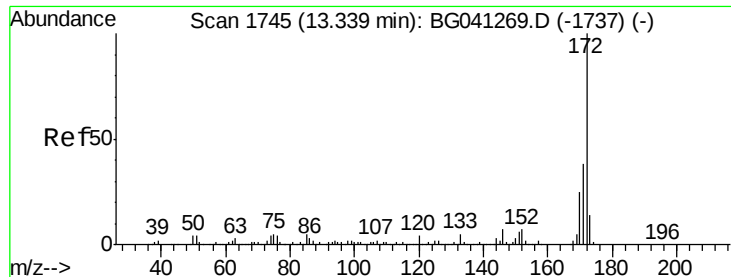
Ion Ratio Lower Upper

330 100

332 94.8 75.5 113.3

141 35.9 29.0 43.4

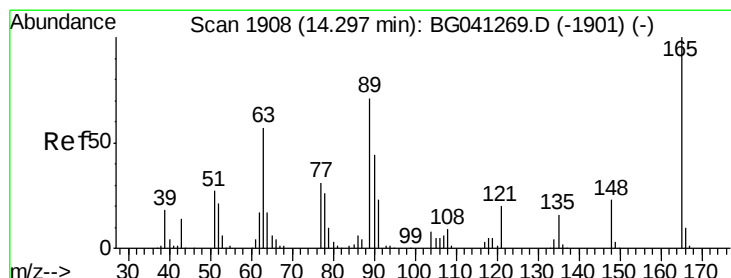
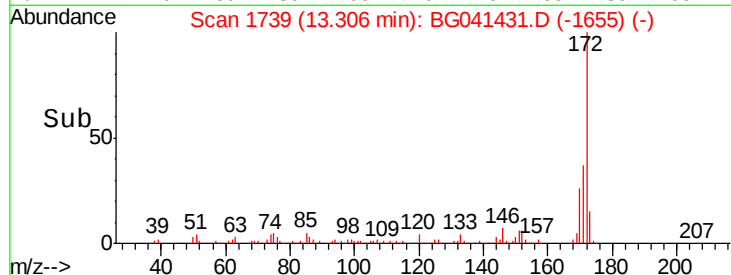
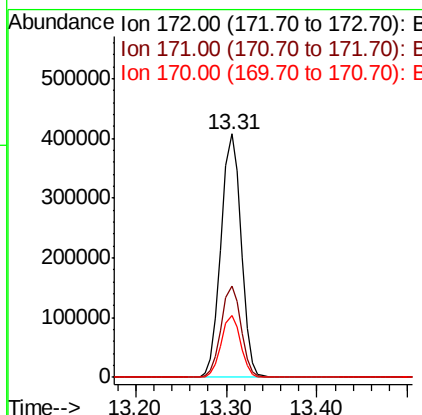
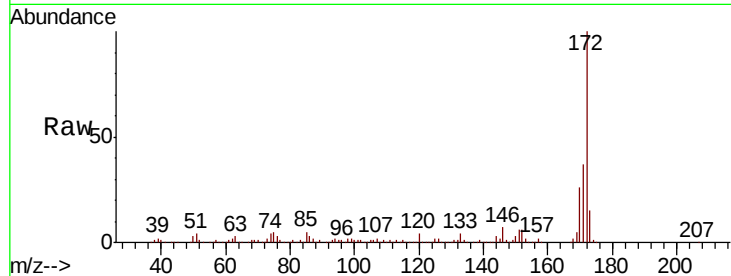




#45
2-Fluorobiphenyl
Concen: 90.904 ng
RT: 13.31 min Scan# 1739
Delta R.T. -0.03 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

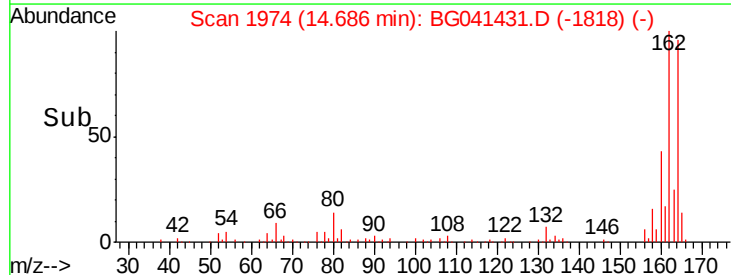
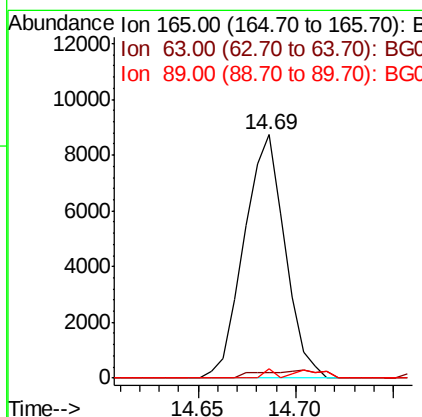
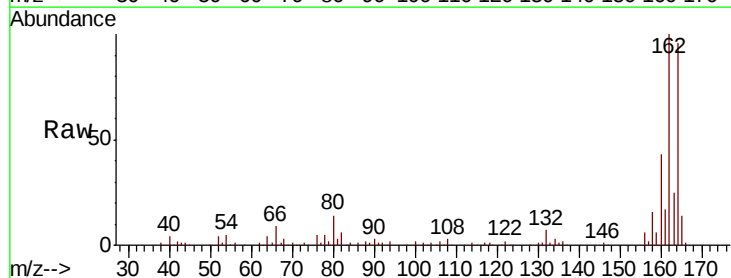
Instrument :
BNA_G
ClientSampleId :
GW-A-061919

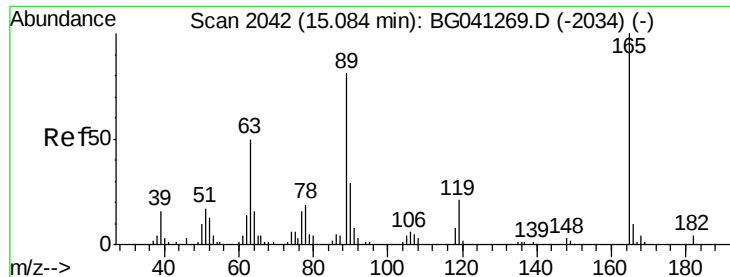
Tgt Ion:172 Resp: 627719
Ion Ratio Lower Upper
172 100
171 37.3 30.0 45.0
170 25.5 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 7.169 ng
RT: 14.69 min Scan# 1974
Delta R.T. 0.39 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Tgt Ion:165 Resp: 12624
Ion Ratio Lower Upper
165 100
63 2.3 55.4 83.0#
89 3.8 56.5 84.7#

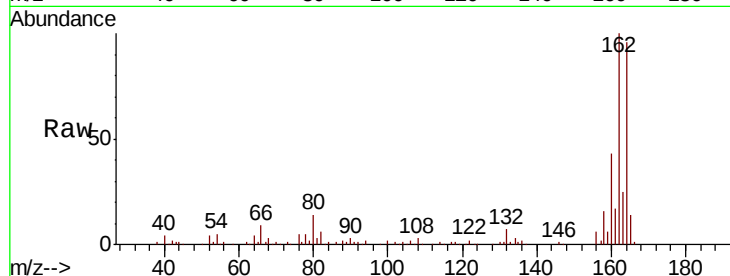




#57
2,4-Dinitrotoluene
Concen: 4.905 ng
RT: 14.69 min Scan# 1974
Delta R.T. -0.40 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Instrument :
BNA_G
ClientSampleId :
GW-A-061919

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.3	40.0	60.0#
89	3.8	64.6	96.8#
182	0.0	2.9	4.3#

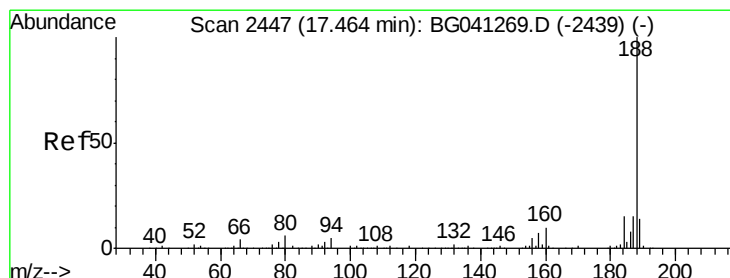
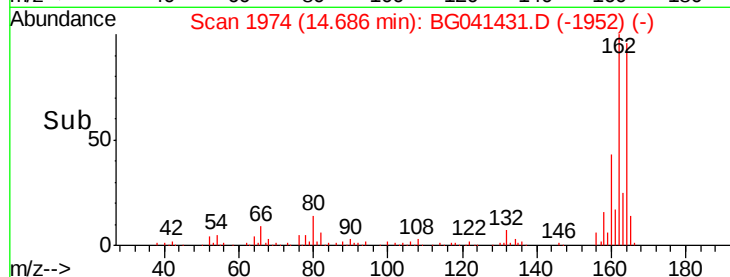
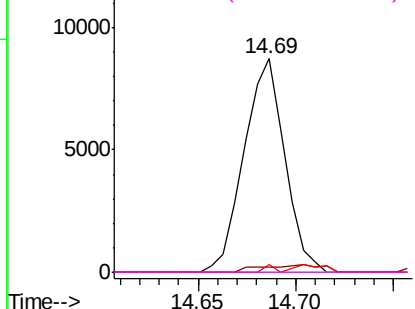


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

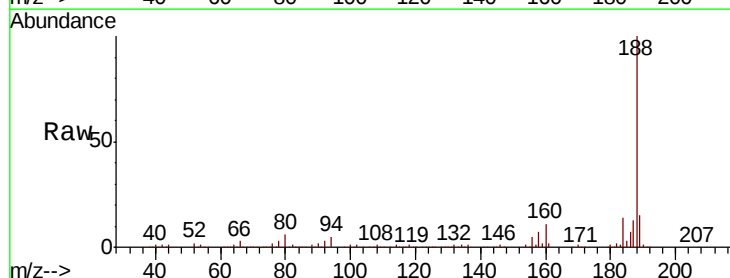
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2441
Delta R.T. -0.03 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

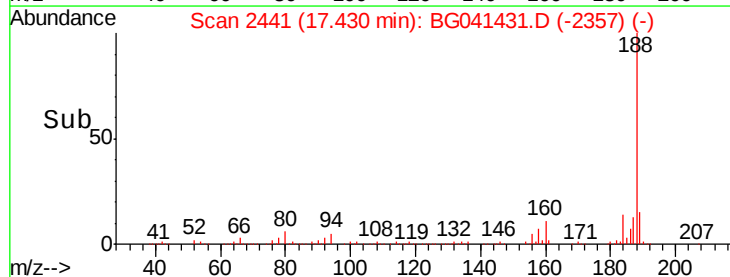
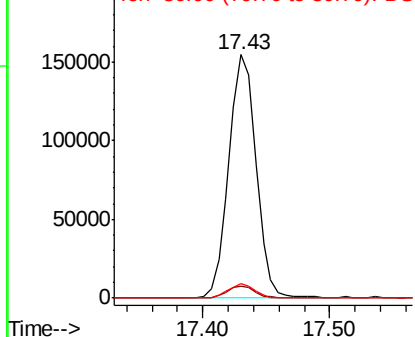
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.1	3.6	5.4
80	6.1	4.8	7.2

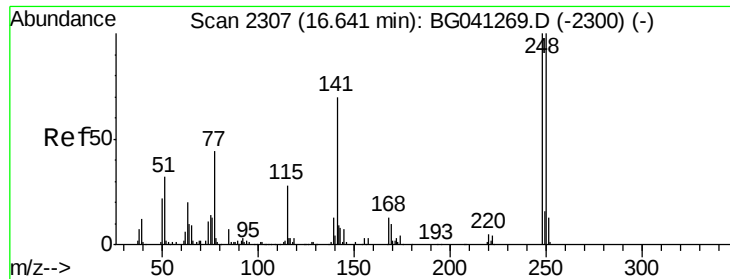


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

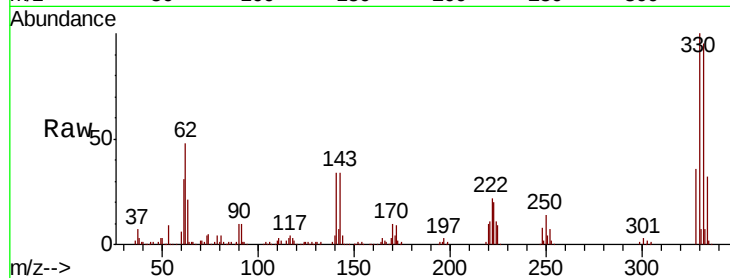




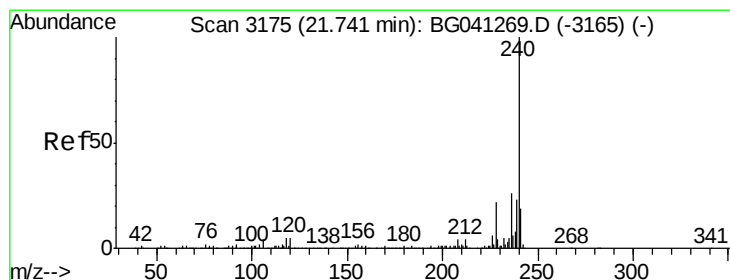
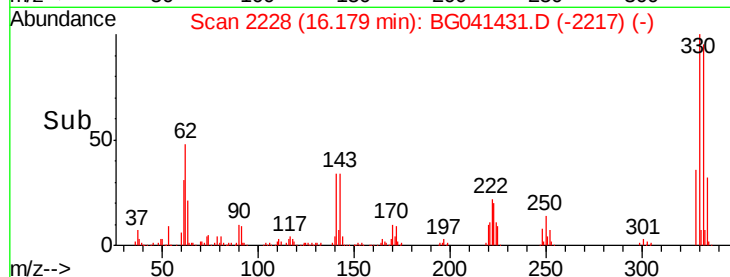
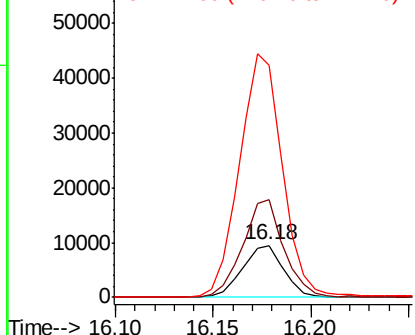
#67
4-Bromophenyl-phenylether
Concen: 4.667 ng
RT: 16.18 min Scan# 2228
Delta R.T. -0.46 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Instrument :
BNA_G
ClientSampleId :
GW-A-061919

Tgt Ion:248 Resp: 13906
Ion Ratio Lower Upper
248 100
250 187.2 79.8 119.8#
141 446.4 55.8 83.6#

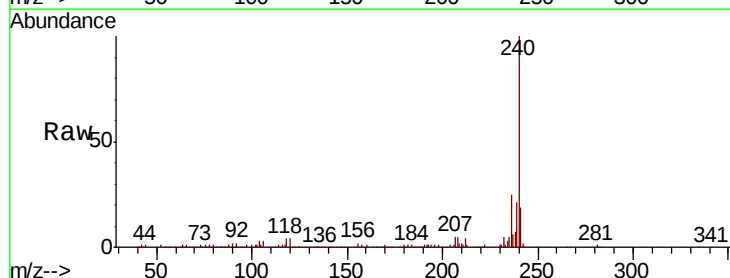


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

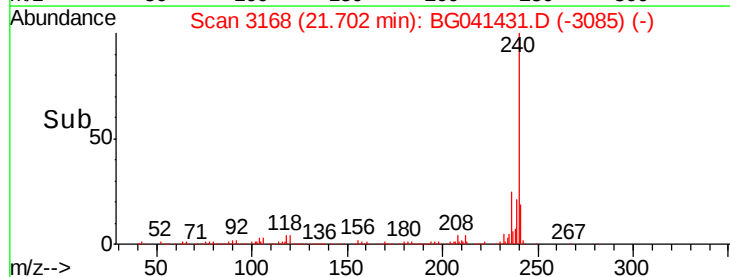
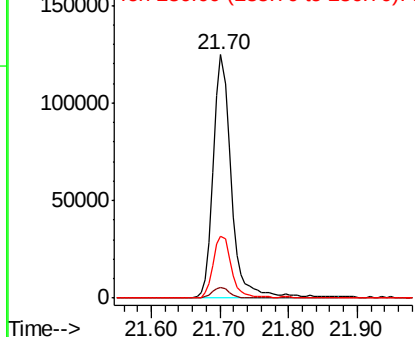


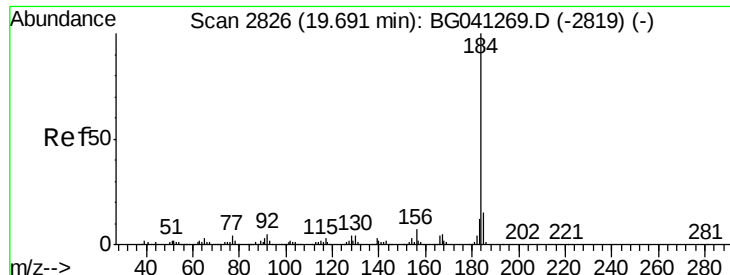
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.70 min Scan# 3168
Delta R.T. -0.04 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Tgt Ion:240 Resp: 229925
Ion Ratio Lower Upper
240 100
120 4.4 3.7 5.5
236 25.4 21.1 31.7



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: 3.365 ng

RT: 20.03 min Scan# 2884

Delta R.T. 0.34 min

Lab File: BG041431.D

Acq: 24 Jun 2019 21:14

Instrument :

BNA_G

ClientSampleId :

GW-A-061919

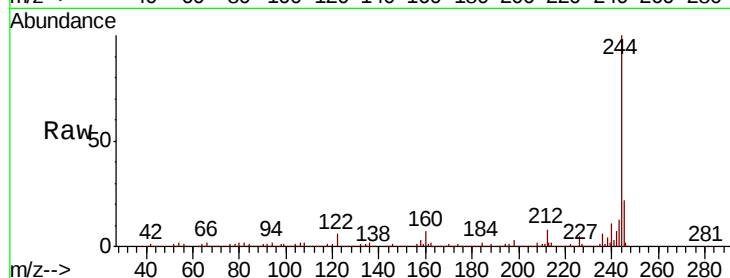
Tgt Ion:184 Resp: 18712

Ion Ratio Lower Upper

184 100

185 15.7 12.2 18.2

183 10.0 9.6 14.4

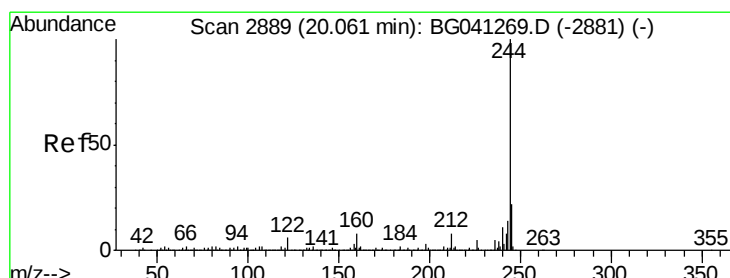
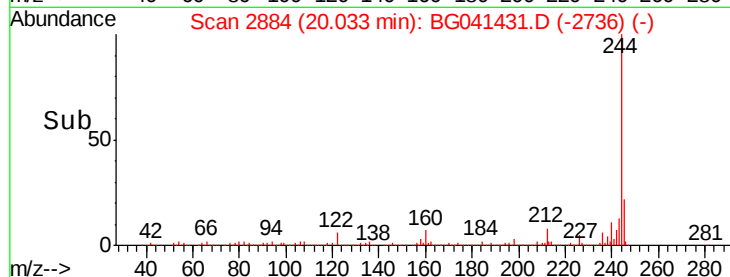
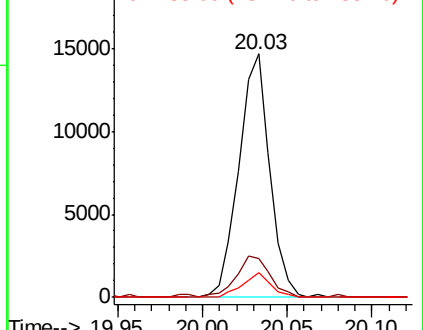


Abundance

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: 93.614 ng

RT: 20.03 min Scan# 2884

Delta R.T. -0.03 min

Lab File: BG041431.D

Acq: 24 Jun 2019 21:14

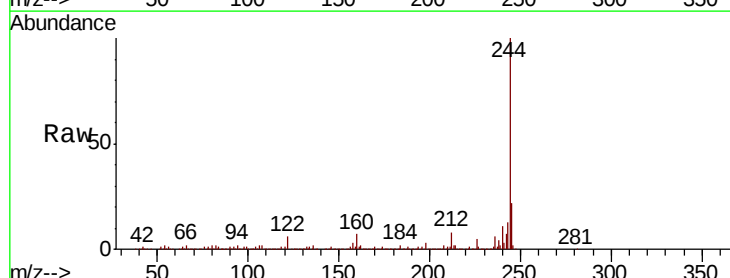
Tgt Ion:244 Resp: 1086100

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

122 6.1 5.0 7.4

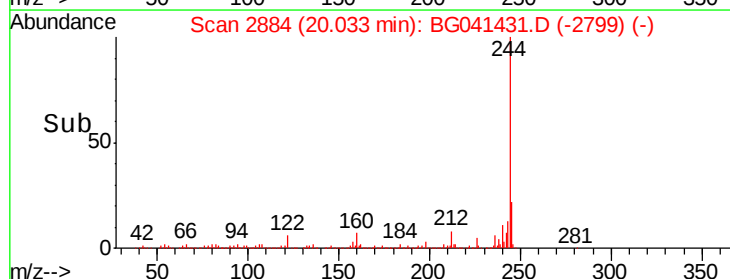
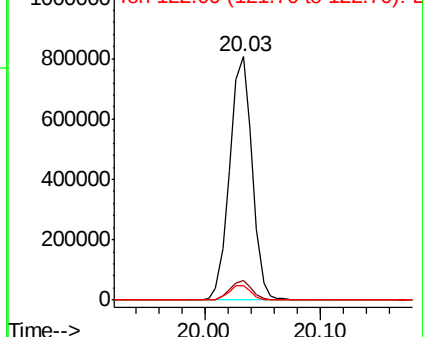


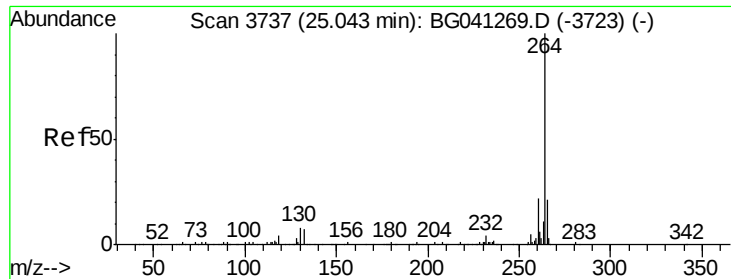
Abundance

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: 24.99 min Scan# 3728
Delta R.T. -0.05 min
Lab File: BG041431.D
Acq: 24 Jun 2019 21:14

Instrument :
BNA_G
ClientSampleId :
GW-A-061919

Tgt Ion	Ratio	Lower	Upper
264	100		
260	20.9	17.4	26.2
265	21.9	17.2	25.8

