

Data File : BG044204.D
Acq On : 25 Jan 2020 6:23
Operator : CG/JU
Sample : L1242-05
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
20200059-COMP-5

Quant Time: Jan 27 00:52:15 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

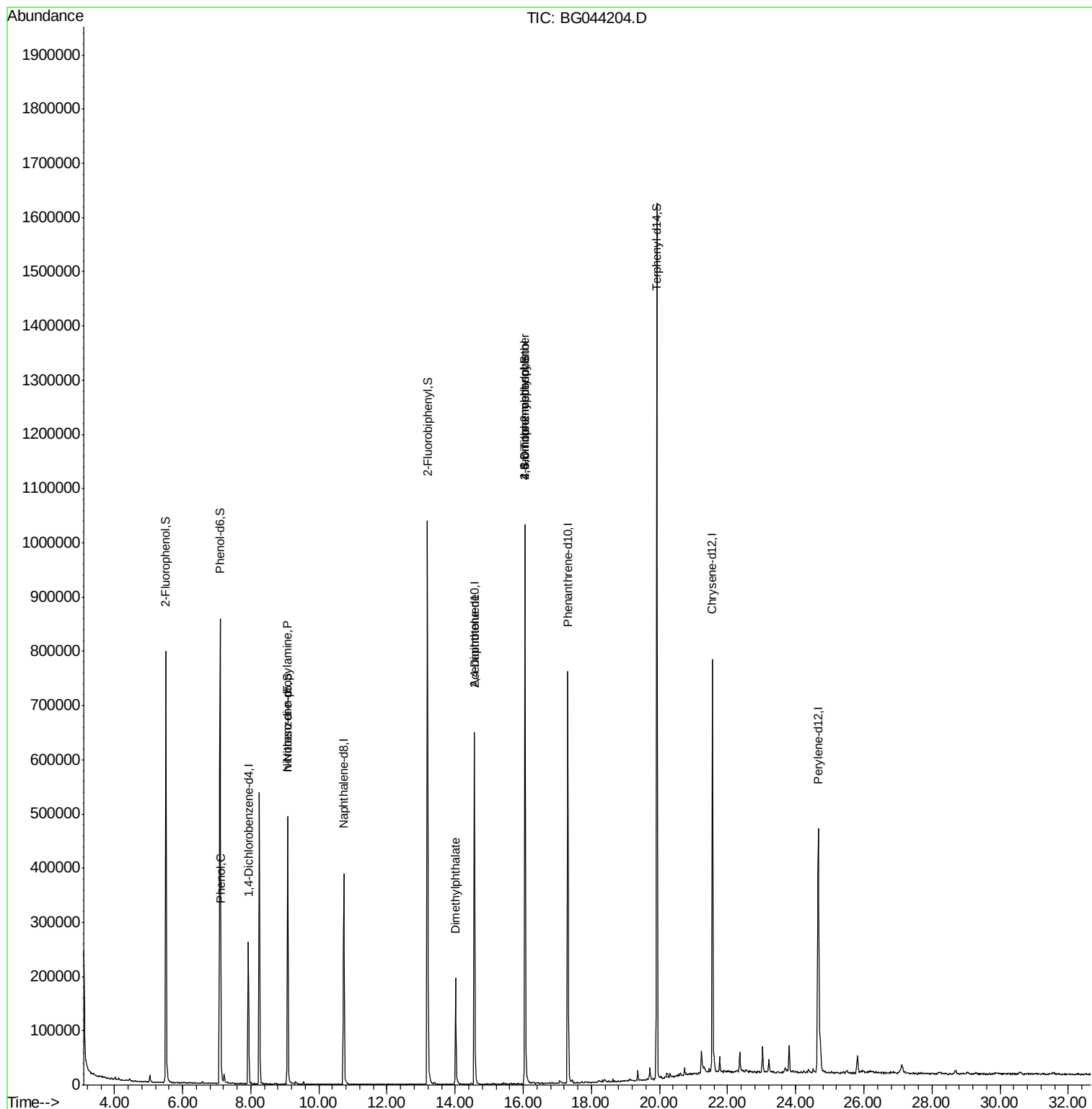
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	81648	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	363218	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	245208	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	501438	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	440933	20.00	ng	-0.04
87) Perylene-d12	24.66	264	479416	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	400814	90.14	ng	-0.03
7) Phenol-d6	7.10	99	548953	88.32	ng	-0.03
23) Nitrobenzene-d5	9.08	82	318783	46.95	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	205010	79.89	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	626308	46.28	ng	-0.04
79) Terphenyl-d14	19.92	244	814474	36.25	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	25759	4.022	ng	86
19) n-Nitroso-di-n-propylamine	9.08	70	40948	8.846	ng	# 77
50) Dimethylphthalate	14.01	163	152604	8.765	ng	96
57) 2,4-Dinitrotoluene	14.57	165	31957	5.968	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.05	198	518	4.572	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	14543	2.579	ng	# 1

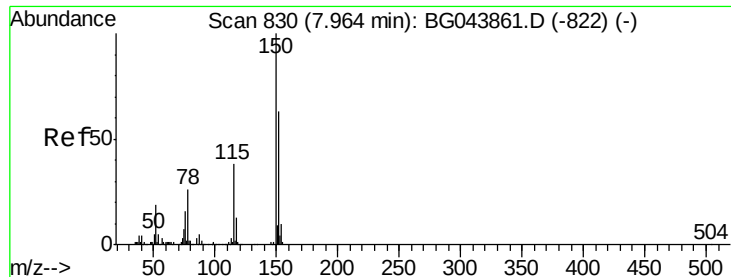
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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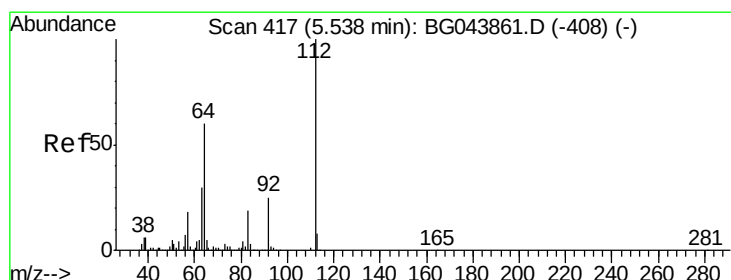
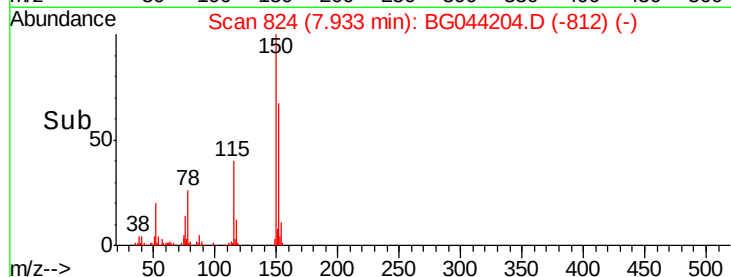
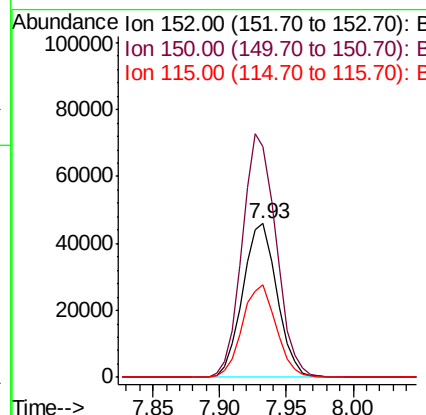
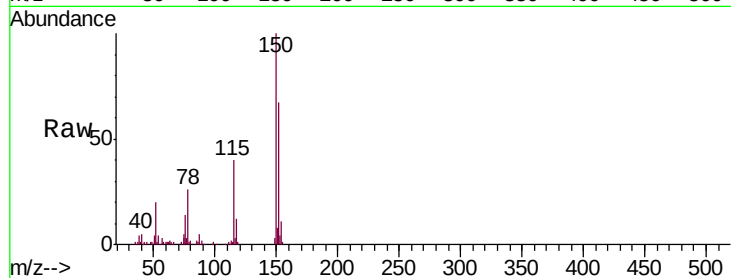




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.93 min Scan# 824
 Delta R.T. -0.03 min
 Lab File: BG044204.D
 Acq: 25 Jan 2020 6:23

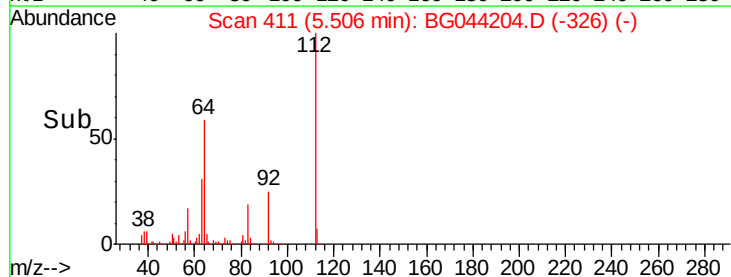
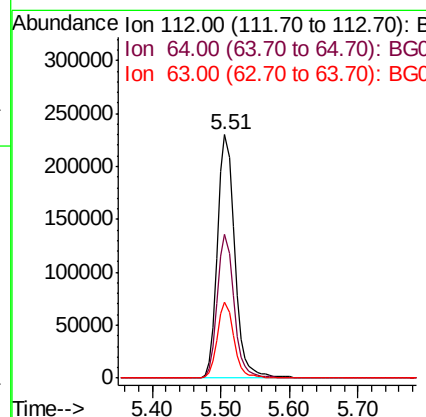
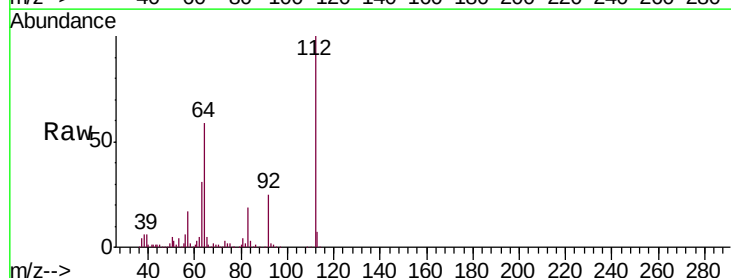
Instrument :
 BNA_G
 ClientSampleId :
 20200059-COMP-5

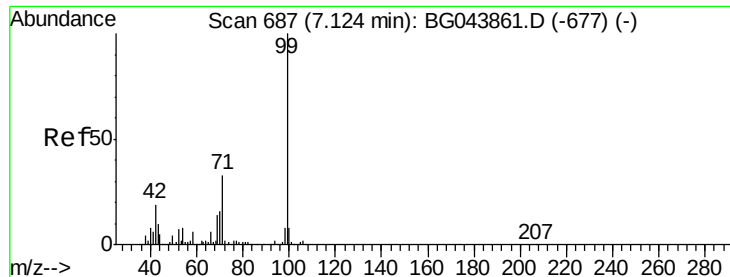
Tgt Ion:152 Resp: 81648
 Ion Ratio Lower Upper
 152 100
 150 150.0 127.0 190.4
 115 59.8 47.8 71.8



#5
 2-Fluorophenol
 Concen: 90.136 ng
 RT: 5.51 min Scan# 411
 Delta R.T. -0.03 min
 Lab File: BG044204.D
 Acq: 25 Jan 2020 6:23

Tgt Ion:112 Resp: 400814
 Ion Ratio Lower Upper
 112 100
 64 58.9 47.8 71.6
 63 31.3 24.3 36.5





#7

Phenol-d6

Concen: 88.316 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

Instrument :

BNA_G

ClientSampleId :

20200059-COMP-5

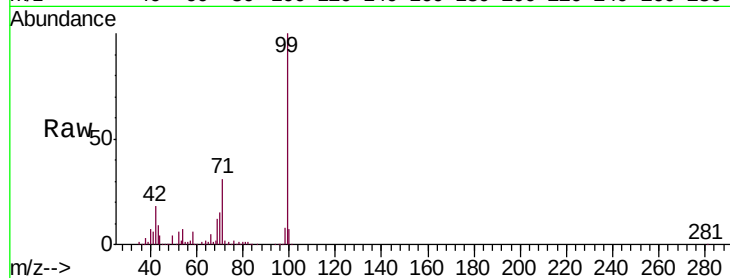
Tgt Ion: 99 Resp: 548953

Ion Ratio Lower Upper

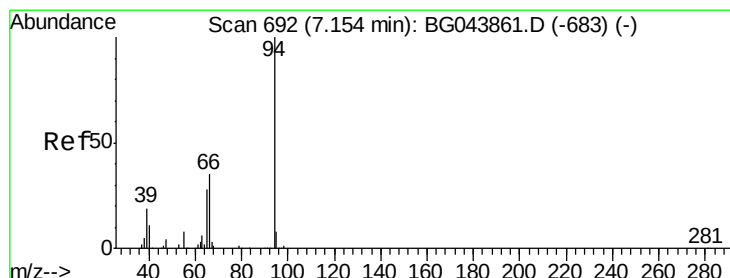
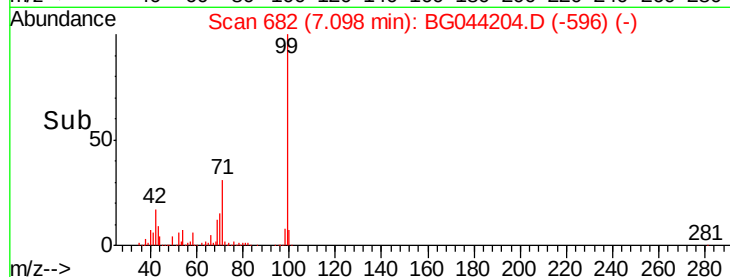
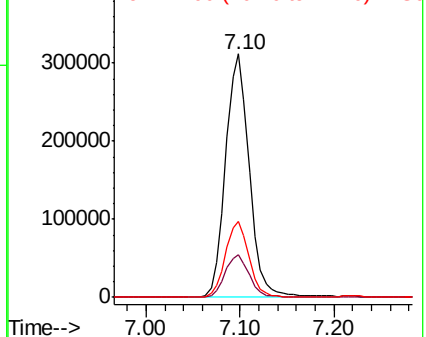
99 100

42 17.6 14.9 22.3

71 31.4 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: 4.022 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.03 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

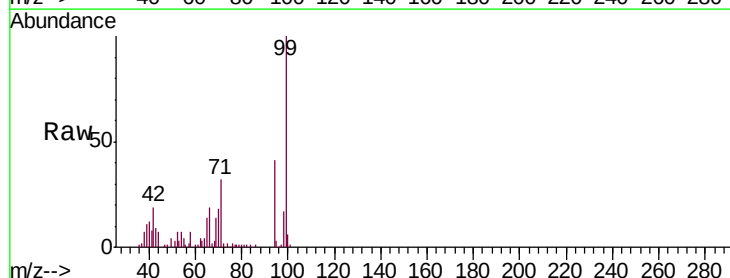
Tgt Ion: 94 Resp: 25759

Ion Ratio Lower Upper

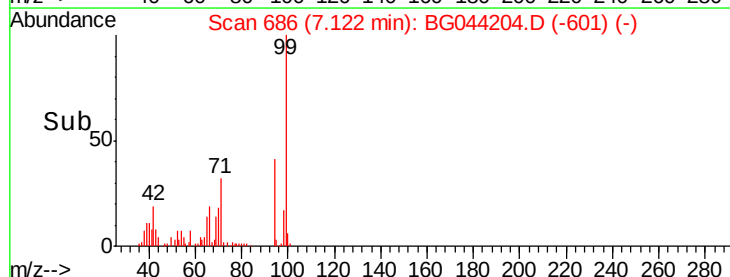
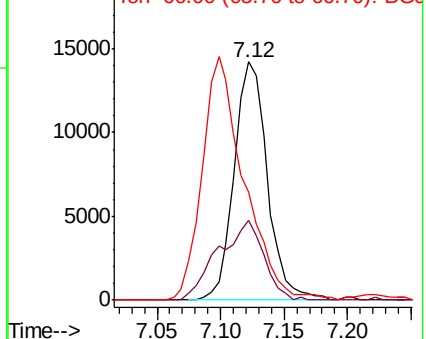
94 100

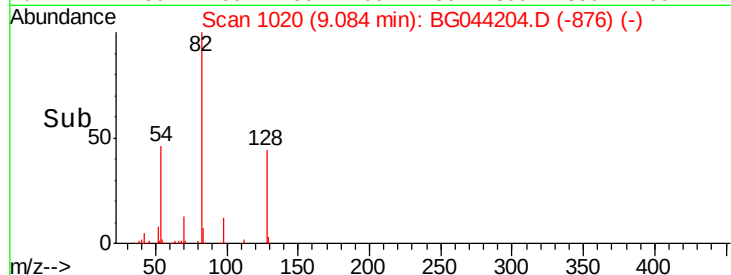
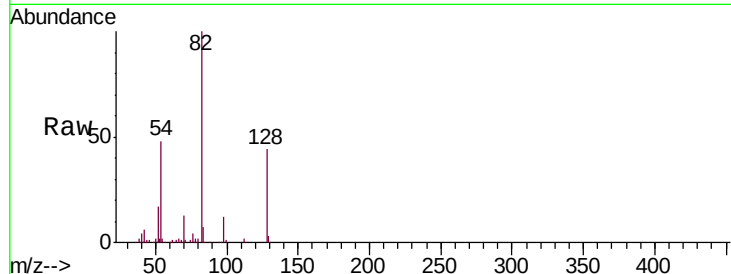
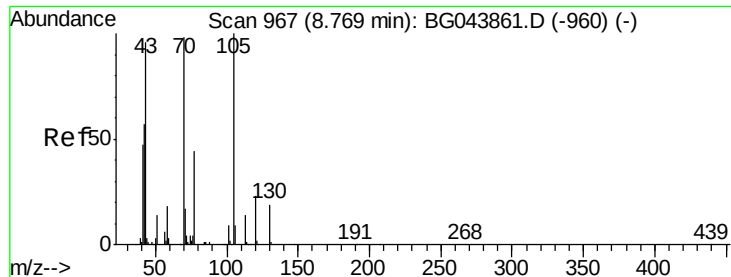
65 33.7 8.1 48.1

66 45.1 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

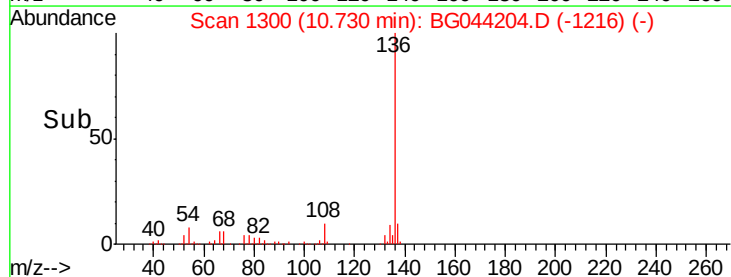
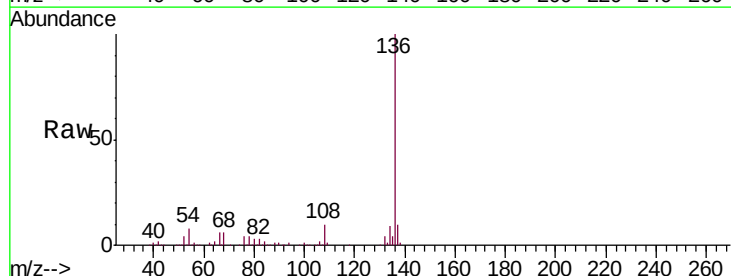
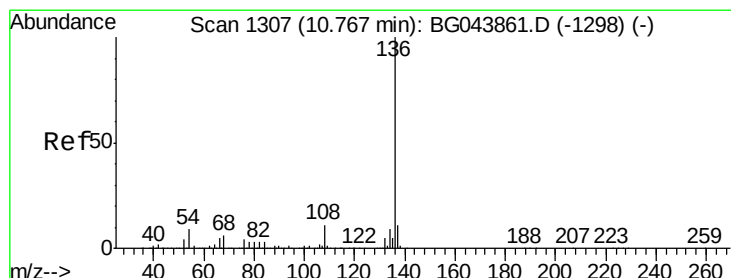
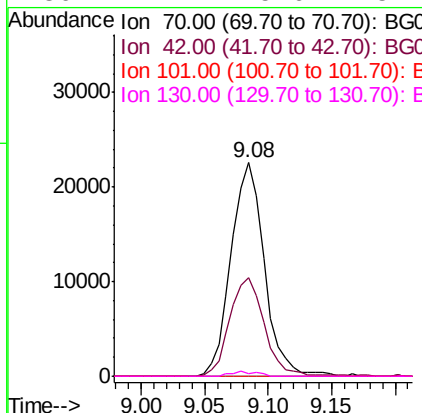




#19
n-Nitroso-di-n-propylamine
Concen: 8.846 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044204.D
Acq: 25 Jan 2020 6:23

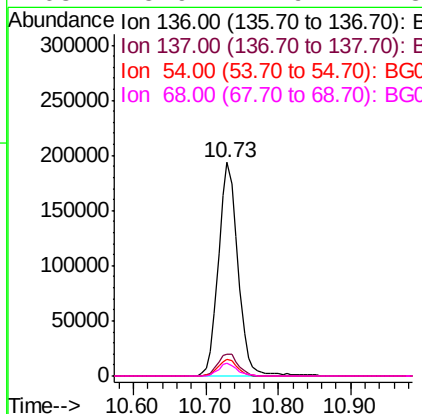
Instrument :
BNA_G
ClientSampleId :
20200059-COMP-5

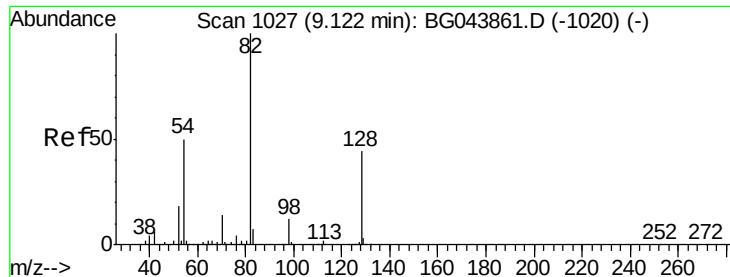
Tgt Ion: 70 Resp: 40948
Ion Ratio Lower Upper
70 100
42 46.1 47.0 70.4#
101 0.0 7.2 10.8#
130 1.4 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.04 min
Lab File: BG044204.D
Acq: 25 Jan 2020 6:23

Tgt Ion: 136 Resp: 363218
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 7.8 7.0 10.4
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 46.951 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

Instrument :

BNA_G

ClientSampleId :

20200059-COMP-5

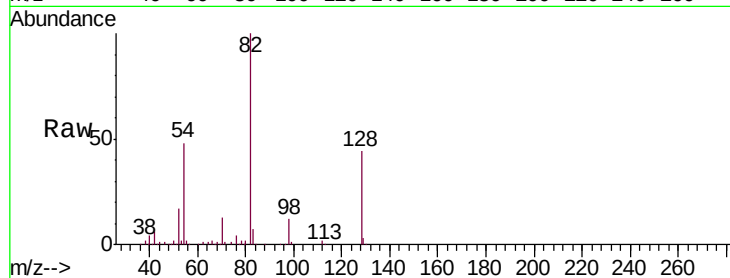
Tgt Ion: 82 Resp: 318783

Ion Ratio Lower Upper

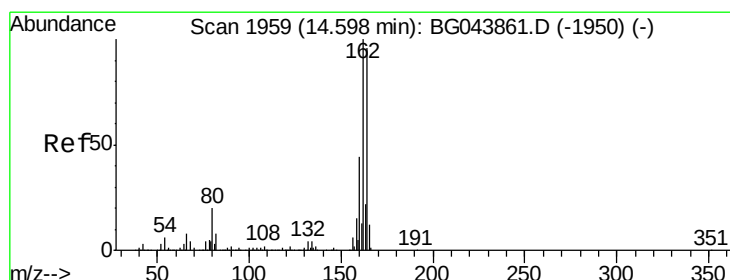
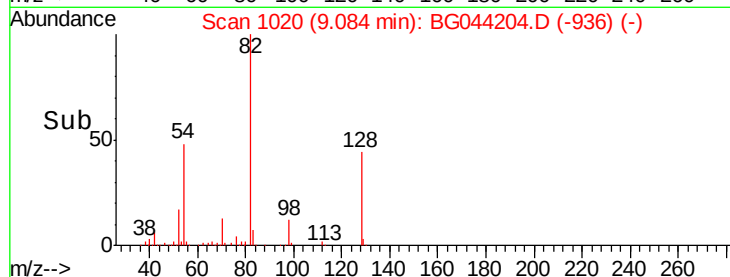
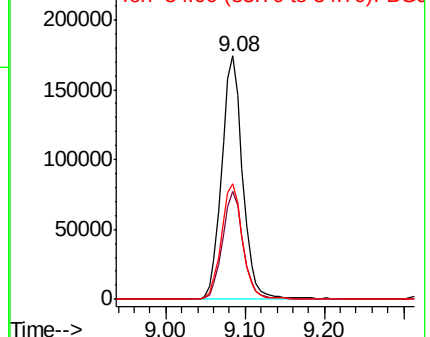
82 100

128 44.5 35.1 52.7

54 47.7 40.1 60.1



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

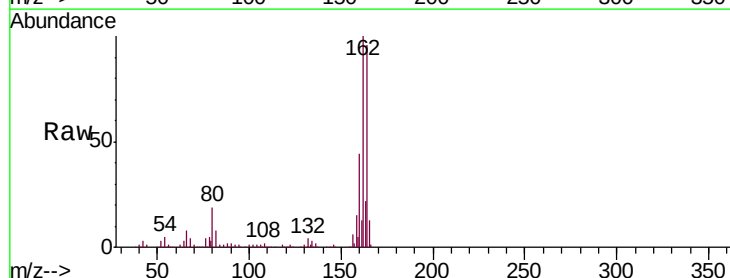
Tgt Ion: 164 Resp: 245208

Ion Ratio Lower Upper

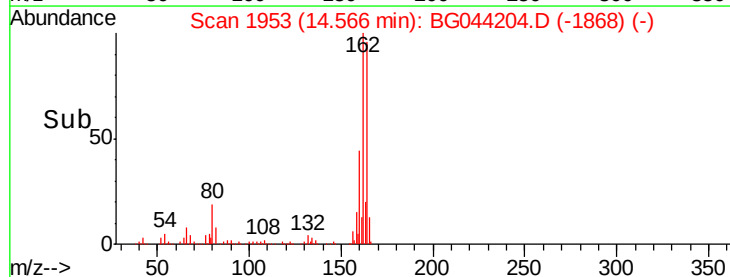
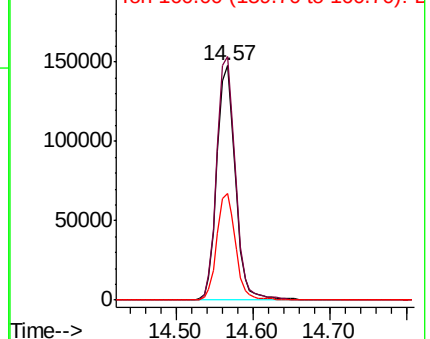
164 100

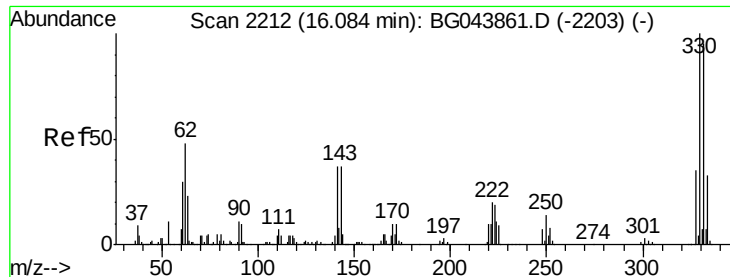
162 103.8 83.0 124.4

160 45.5 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): BGC
Ion 162.00 (161.70 to 162.70): BGC
Ion 160.00 (159.70 to 160.70): BGC





#42

2,4,6-Tribromophenol

Concen: 79.893 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

Instrument :

BNA_G

ClientSampleId :

20200059-COMP-5

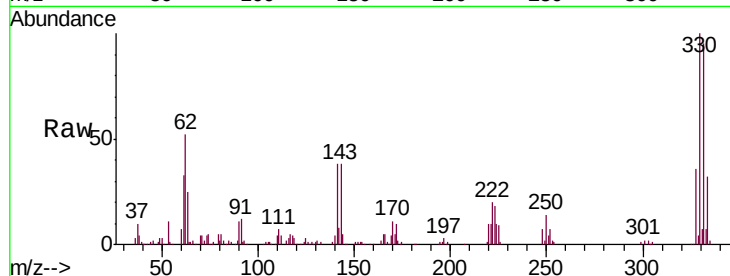
Tgt Ion:330 Resp: 205010

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

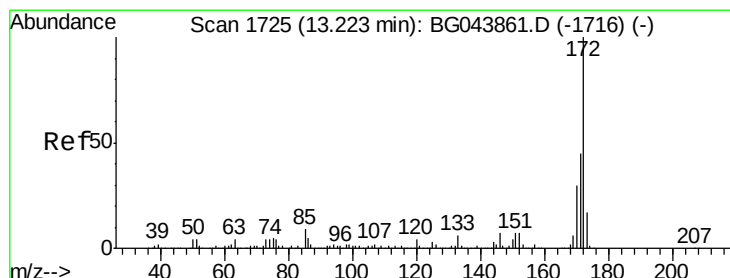
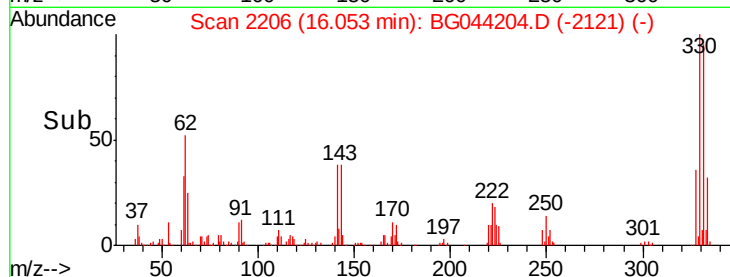
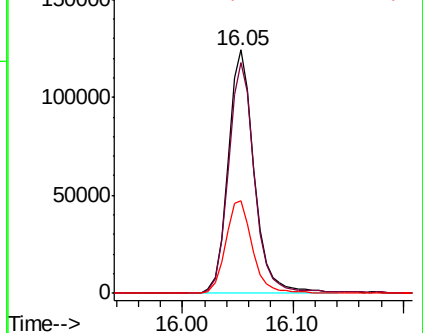
141 39.1 33.1 49.7



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: 46.276 ng

RT: 13.19 min Scan# 1718

Delta R.T. -0.04 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

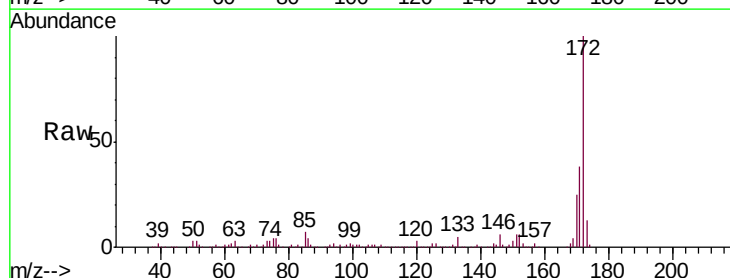
Tgt Ion:172 Resp: 626308

Ion Ratio Lower Upper

172 100

171 37.6 35.8 53.8

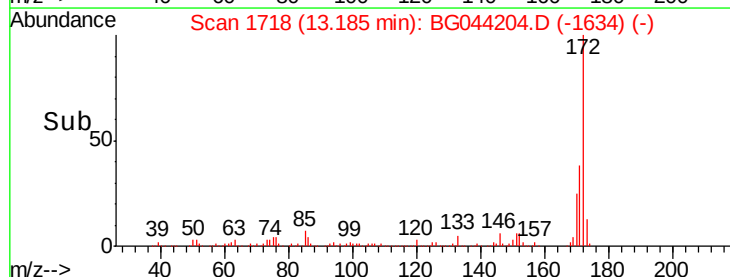
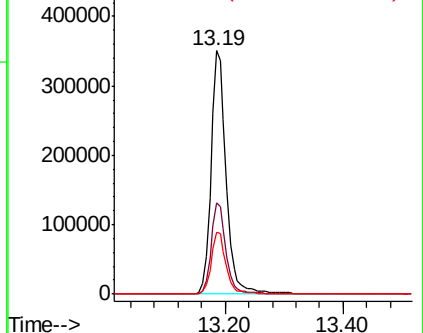
170 25.3 24.2 36.4

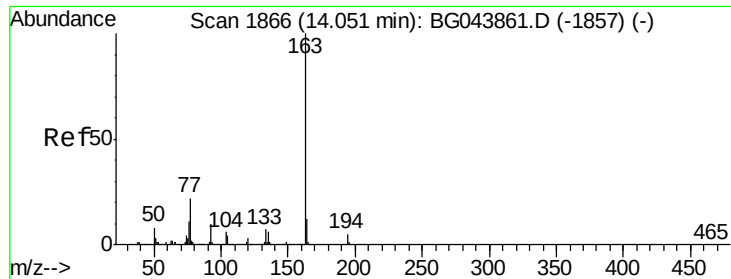


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.765 ng

RT: 14.01 min Scan# 1859

Delta R.T. -0.04 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

Instrument :

BNA_G

ClientSampleId :

20200059-COMP-5

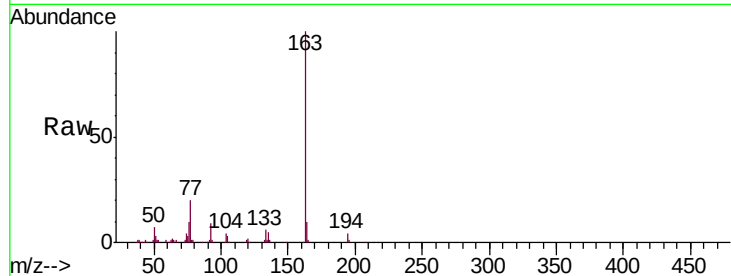
Tgt Ion:163 Resp: 152604

Ion Ratio Lower Upper

163 100

194 3.8 3.7 5.5

164 9.7 9.3 13.9

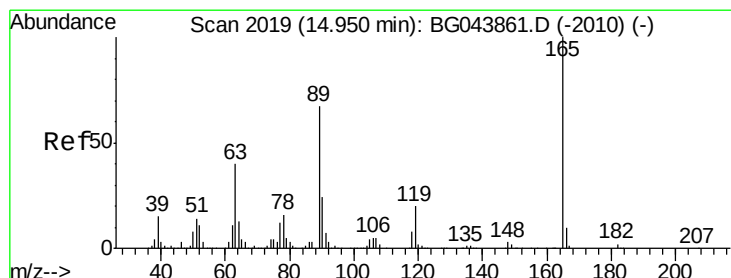
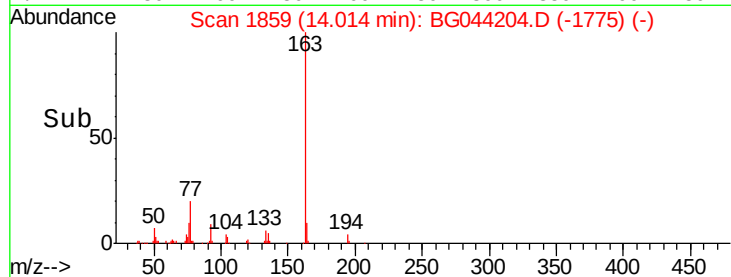
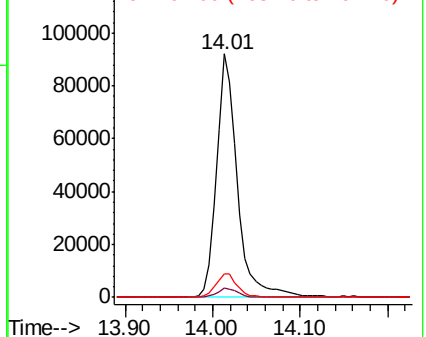


Abundance

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: 5.968 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.38 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

Tgt Ion:165 Resp: 31957

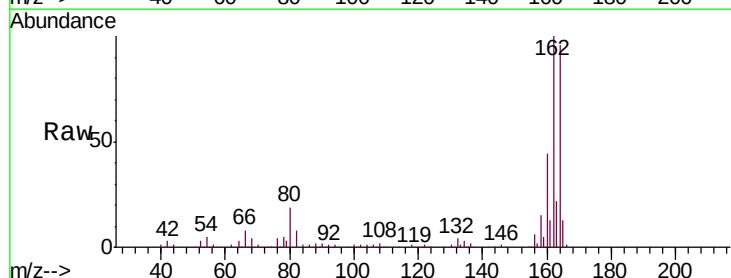
Ion Ratio Lower Upper

165 100

63 0.0 31.9 47.9#

89 1.9 53.8 80.6#

182 0.0 2.0 3.0#



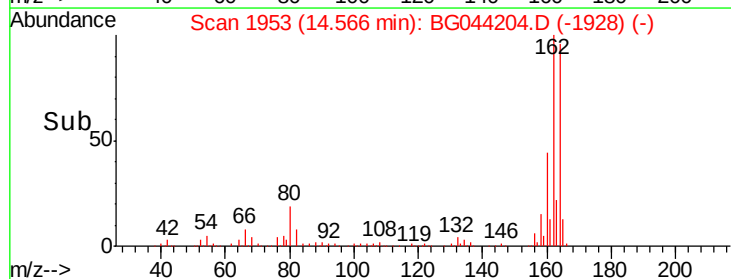
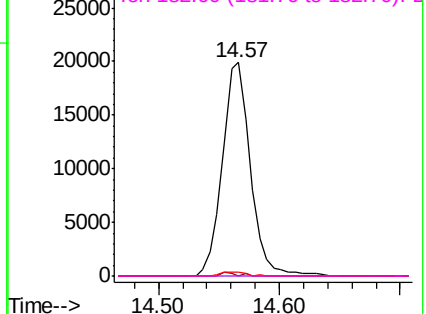
Abundance

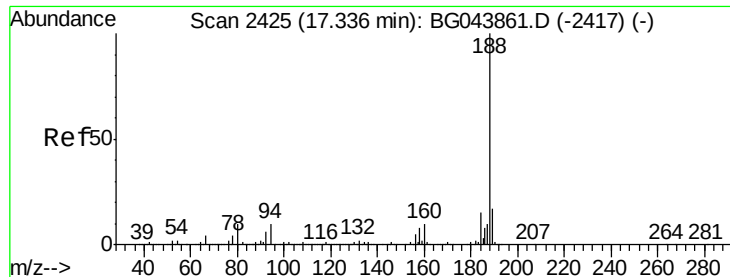
Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

Instrument :

BNA_G

ClientSampleId :

20200059-COMP-5

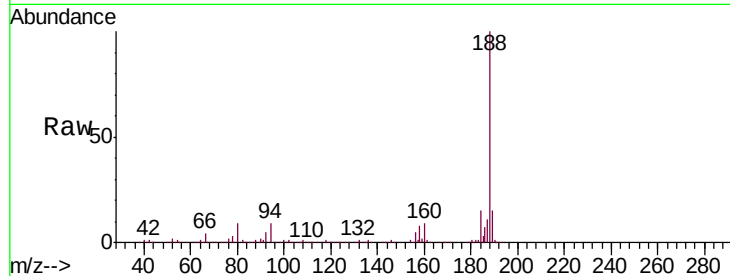
Tgt Ion:188 Resp: 501438

Ion Ratio Lower Upper

188 100

94 9.0 7.9 11.9

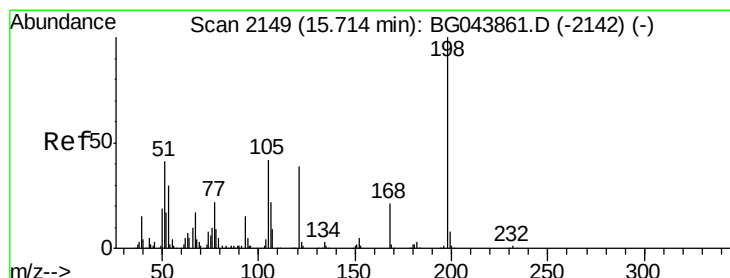
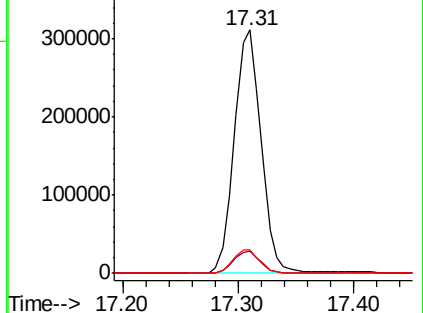
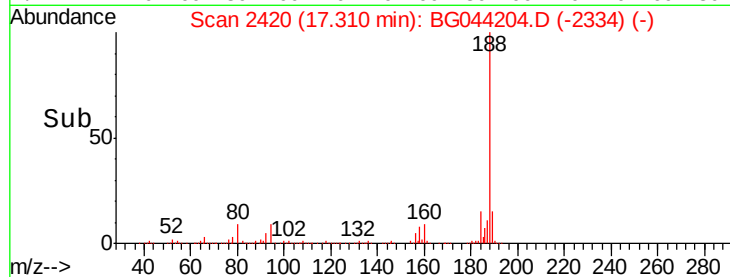
80 9.5 8.2 12.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 4.572 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

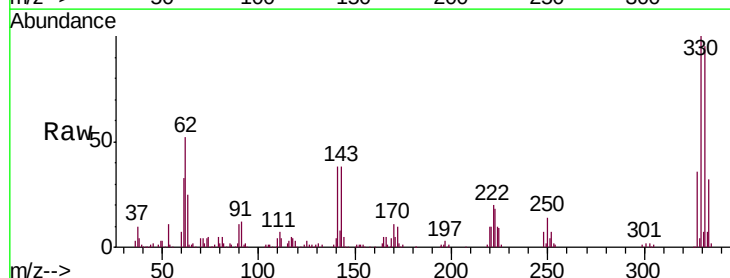
Tgt Ion:198 Resp: 518

Ion Ratio Lower Upper

198 100

51 141.9 22.5 62.5#

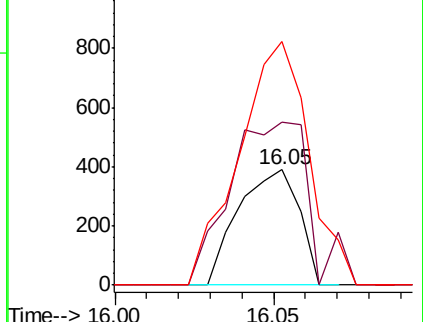
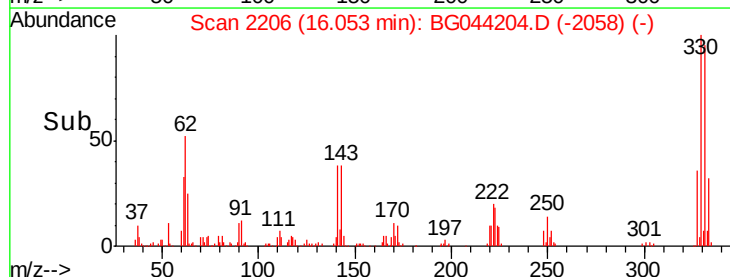
105 211.6 22.3 62.3#

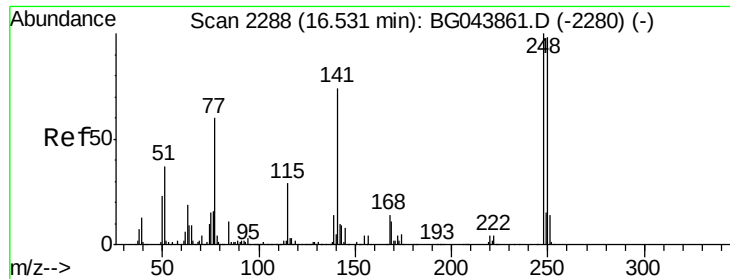


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

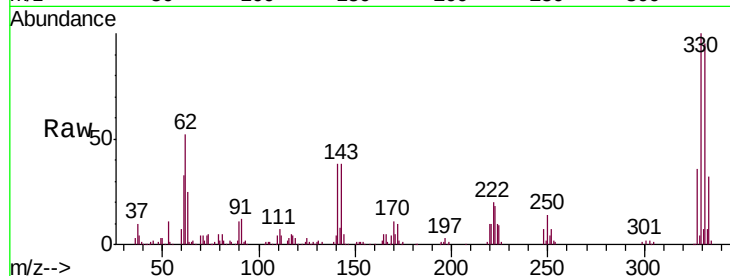




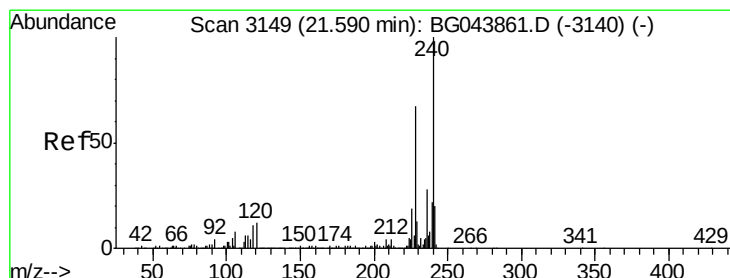
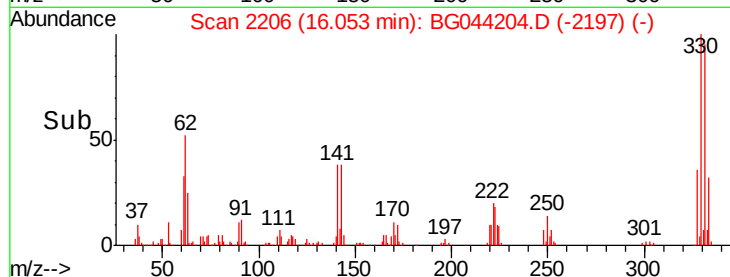
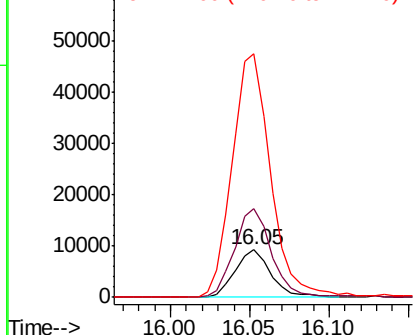
#67
 4-Bromophenyl-phenylether
 Concen: 2.579 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044204.D
 Acq: 25 Jan 2020 6:23

Instrument :
 BNA_G
 ClientSampleId :
 20200059-COMP-5

Tgt Ion:248 Resp: 14543
 Ion Ratio Lower Upper
 248 100
 250 188.0 78.2 117.2#
 141 514.5 59.3 88.9#

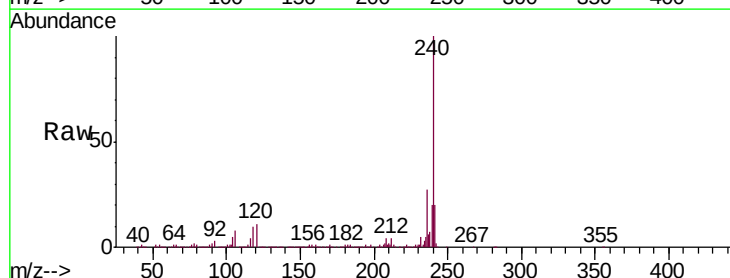


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

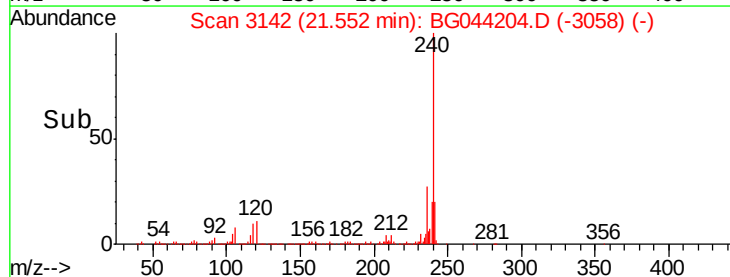
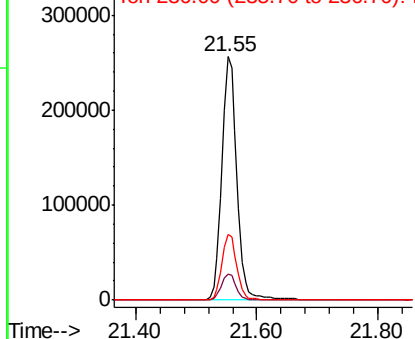


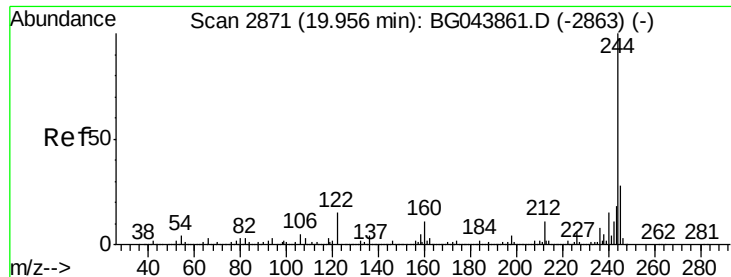
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. -0.04 min
 Lab File: BG044204.D
 Acq: 25 Jan 2020 6:23

Tgt Ion:240 Resp: 440933
 Ion Ratio Lower Upper
 240 100
 120 10.9 9.6 14.4
 236 27.1 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





#79

Terphenyl-d14

Concen: 36.254 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

Instrument :

BNA_G

ClientSampleId :

20200059-COMP-5

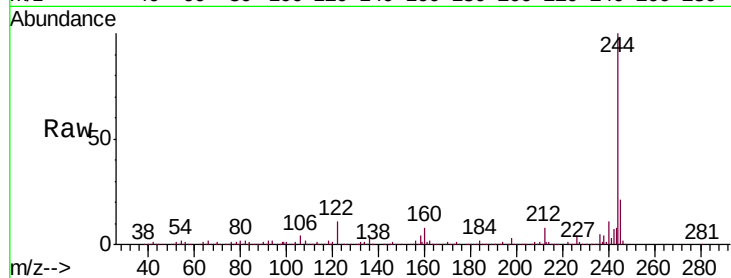
Tgt Ion:244 Resp: 814474

Ion Ratio Lower Upper

244 100

212 7.9 8.6 13.0#

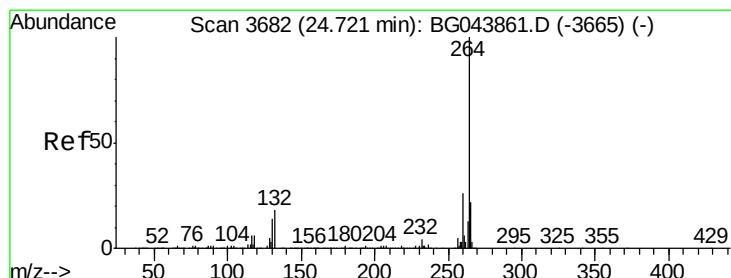
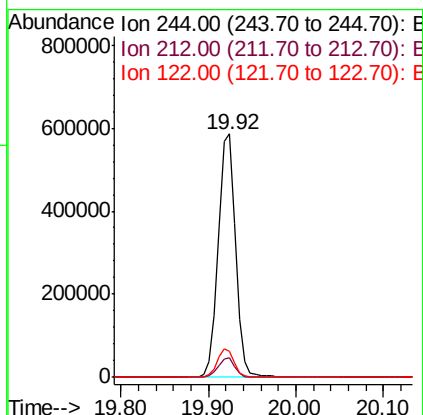
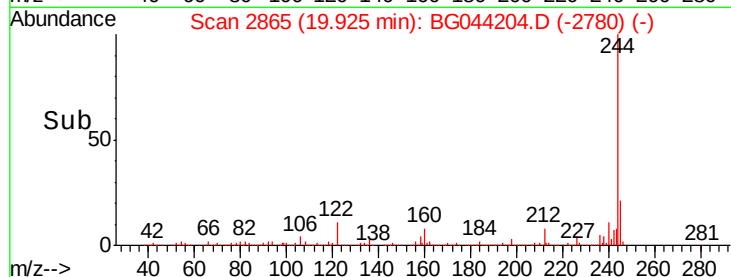
122 10.7 11.9 17.9#



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# 3671

Delta R.T. -0.06 min

Lab File: BG044204.D

Acq: 25 Jan 2020 6:23

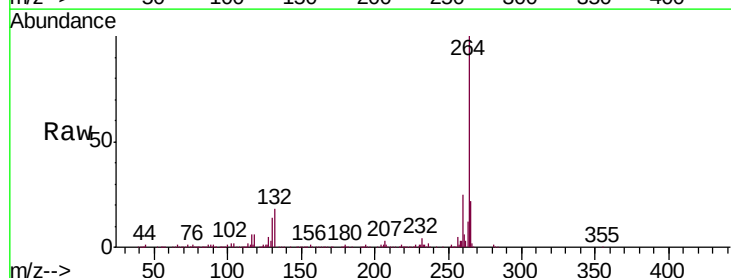
Tgt Ion:264 Resp: 479416

Ion Ratio Lower Upper

264 100

260 24.8 20.4 30.6

265 21.8 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

