

Data File : BG044205.D
Acq On : 25 Jan 2020 7:02
Operator : CG/JU
Sample : L1242-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
20200058-COMP-4

Quant Time: Jan 27 00:52:31 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

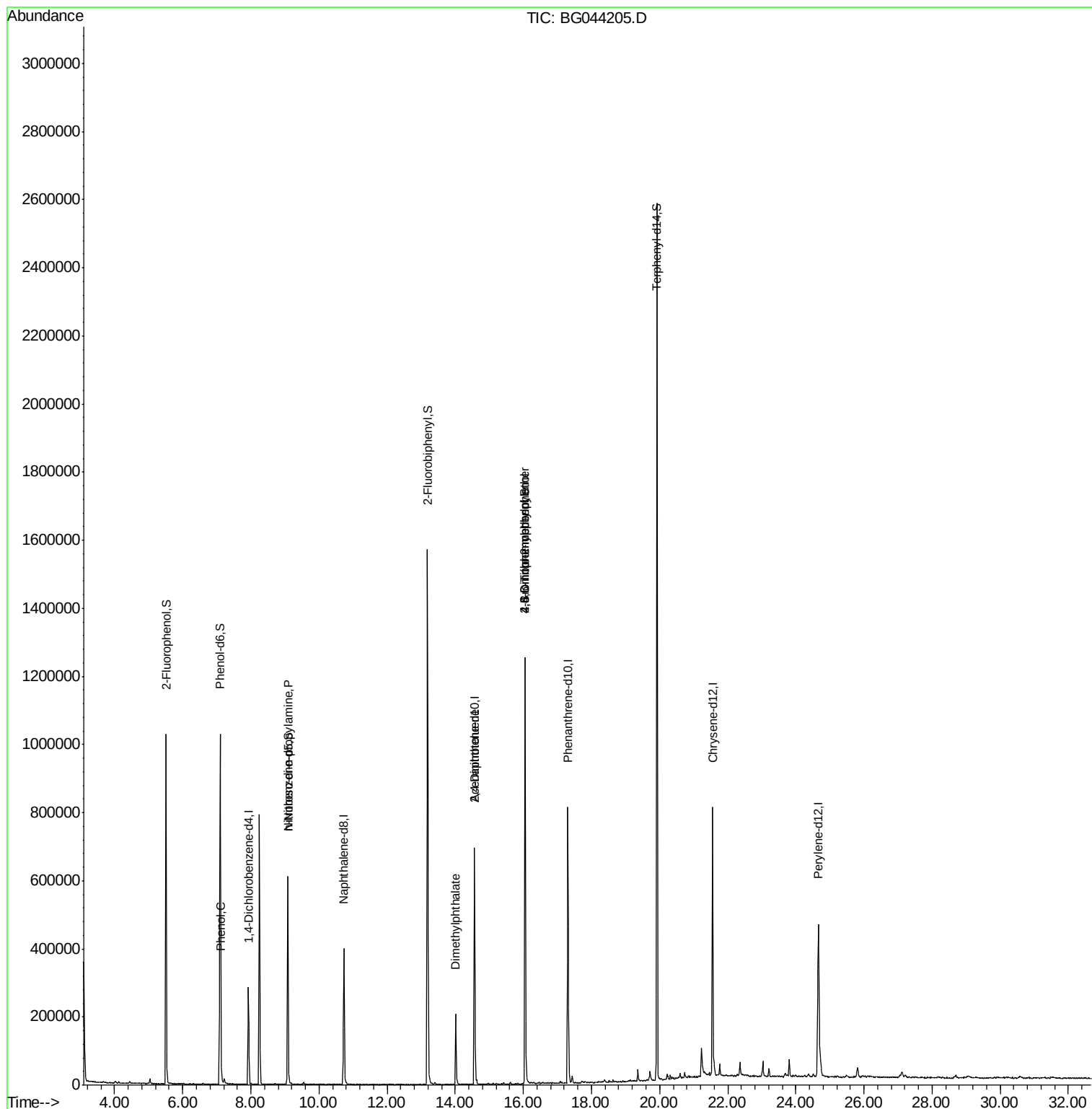
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	84918	20.00	ng	-0.04
21) Naphthalene-d8	10.73	136	385034	20.00	ng	-0.04
39) Acenaphthene-d10	14.56	164	259320	20.00	ng	-0.04
64) Phenanthrene-d10	17.31	188	514011	20.00	ng	-0.03
76) Chrysene-d12	21.55	240	440297	20.00	ng	-0.04
87) Perylene-d12	24.66	264	488352	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	494983	107.03	ng	-0.03
7) Phenol-d6	7.10	99	682506	105.57	ng	-0.02
23) Nitrobenzene-d5	9.09	82	405644	56.36	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	237731	87.60	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	886529	61.94	ng	-0.04
79) Terphenyl-d14	19.92	244	1201891	60.50	ng	-0.03
Target Compounds						
10) Phenol	7.12	94	29656	4.452	ng	94
19) n-Nitroso-di-n-propylamine	9.08	70	53121	11.034	ng	# 75
50) Dimethylphthalate	14.02	163	159692	8.673	ng	98
57) 2,4-Dinitrotoluene	14.56	165	33780	5.965	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	797	4.663	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	16714	2.891	ng	# 1

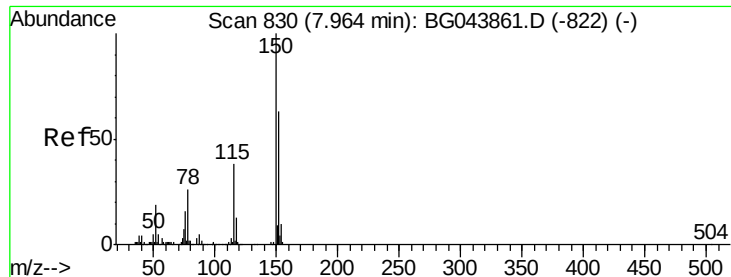
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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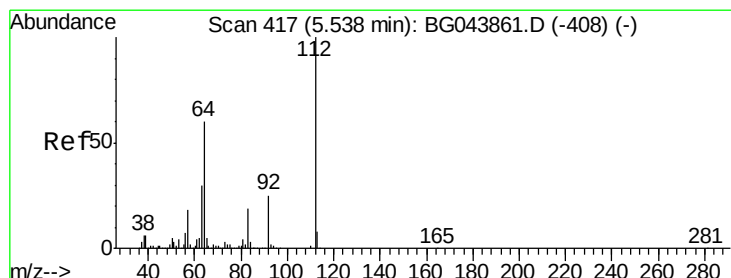
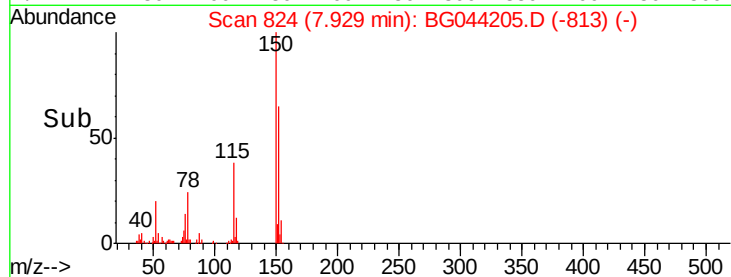
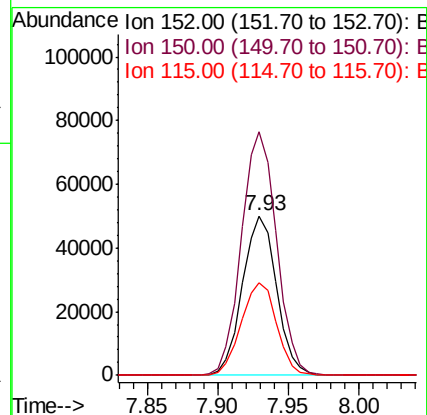
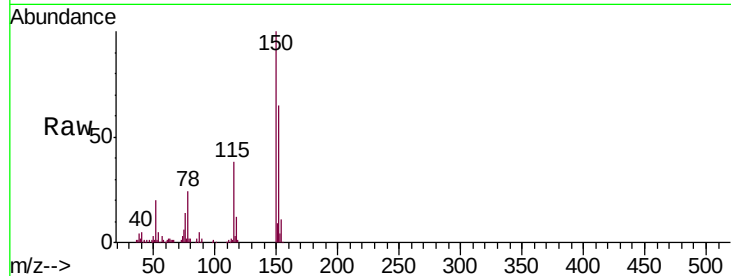


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.04 min
Lab File: BG044205.D
Acq: 25 Jan 2020 7:02

Instrument :
BNA_G
ClientSampleId :
20200058-COMP-4

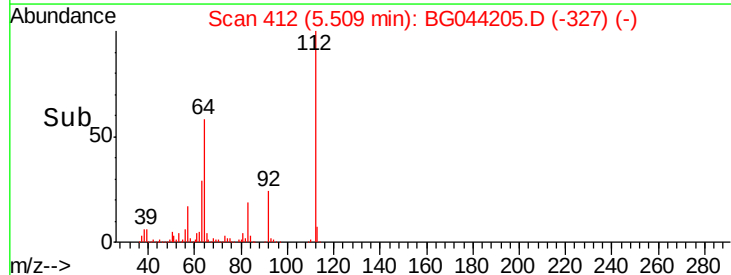
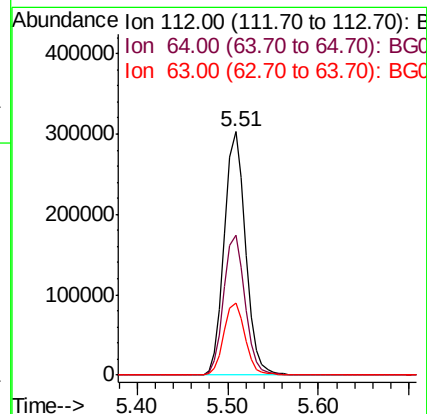
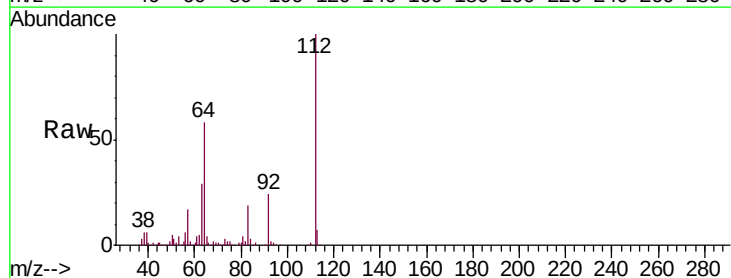
Tgt Ion:152 Resp: 84918
Ion Ratio Lower Upper
152 100
150 152.9 127.0 190.4
115 58.4 47.8 71.8

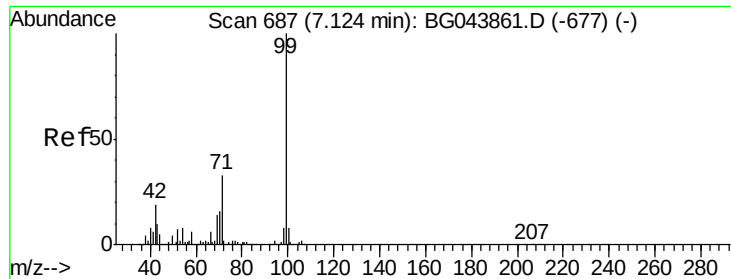


#5

2-Fluorophenol
Concen: 107.027 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044205.D
Acq: 25 Jan 2020 7:02

Tgt Ion:112 Resp: 494983
Ion Ratio Lower Upper
112 100
64 57.5 47.8 71.6
63 29.4 24.3 36.5





#7

Phenol-d6

Concen: 105.574 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044205.D

Acq: 25 Jan 2020 7:02

Instrument :

BNA_G

ClientSampleId :

20200058-COMP-4

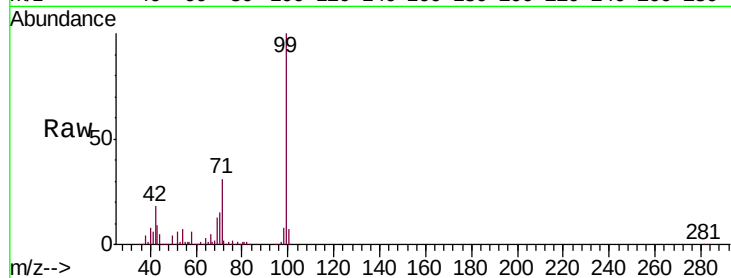
Tgt Ion: 99 Resp: 682506

Ion Ratio Lower Upper

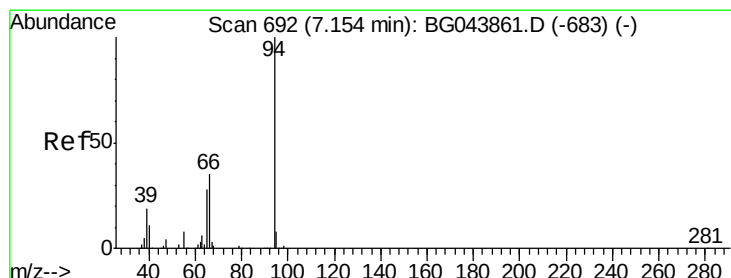
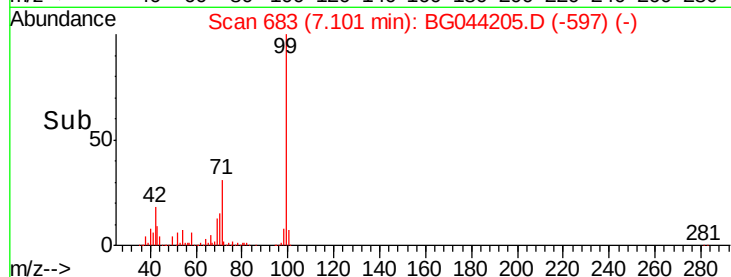
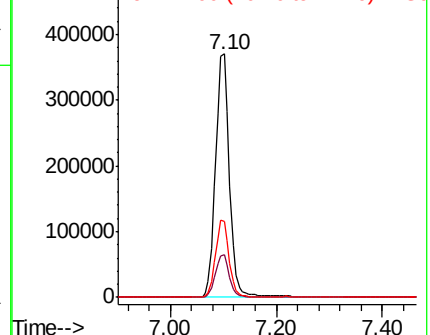
99 100

42 17.5 14.9 22.3

71 31.3 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: 4.452 ng

RT: 7.12 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044205.D

Acq: 25 Jan 2020 7:02

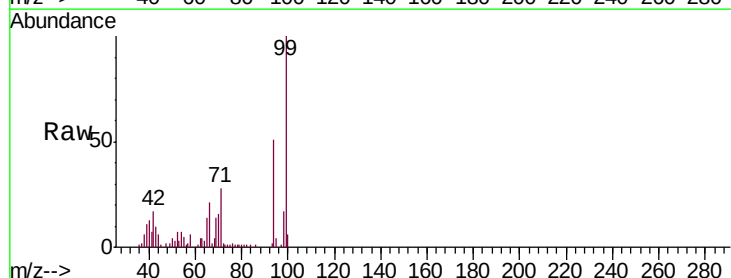
Tgt Ion: 94 Resp: 29656

Ion Ratio Lower Upper

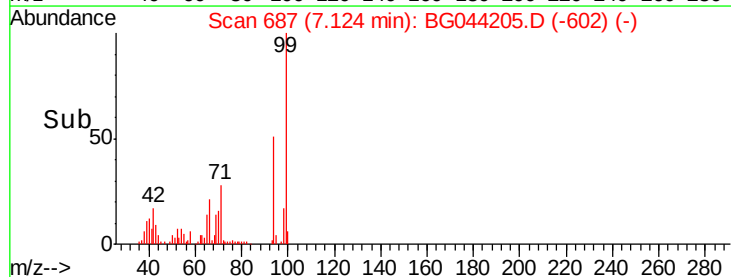
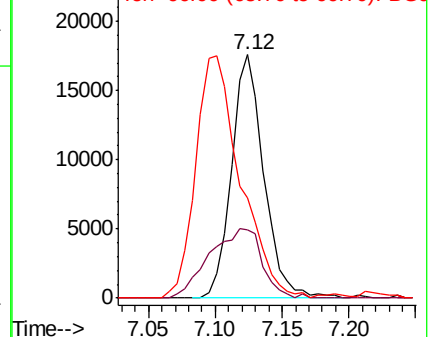
94 100

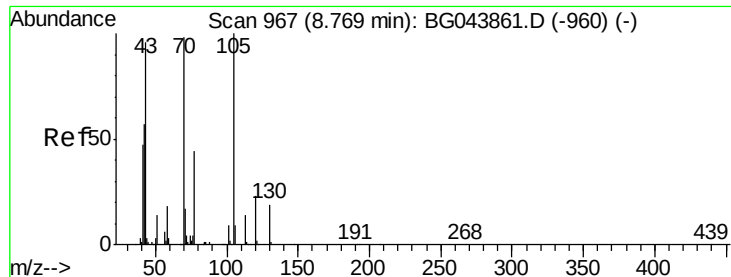
65 28.3 8.1 48.1

66 41.2 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

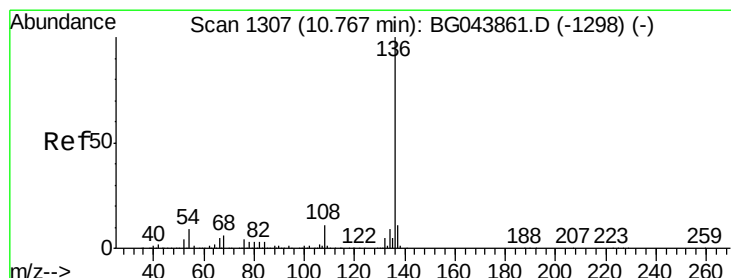
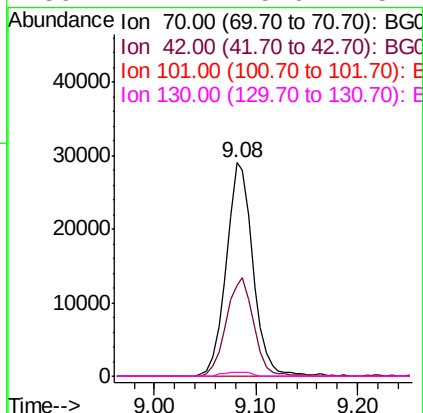
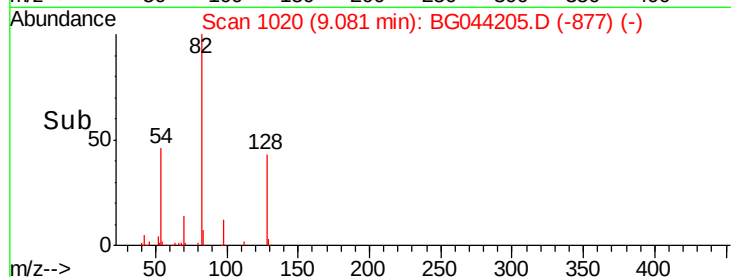
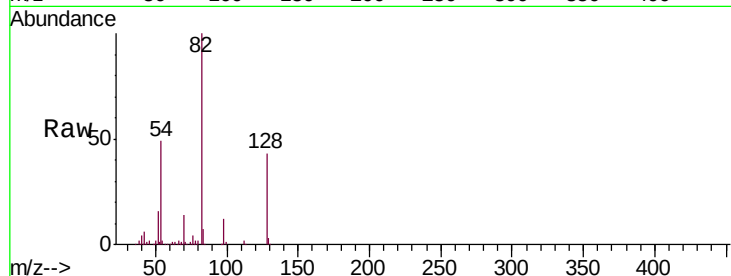




#19
n-Nitroso-di-n-propylamine
Concen: 11.034 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044205.D
Acq: 25 Jan 2020 7:02

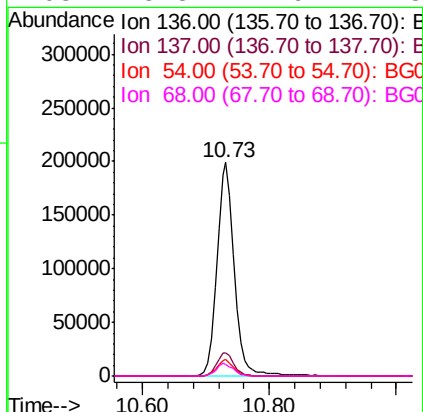
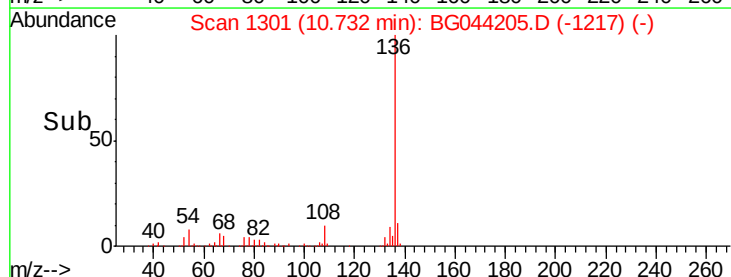
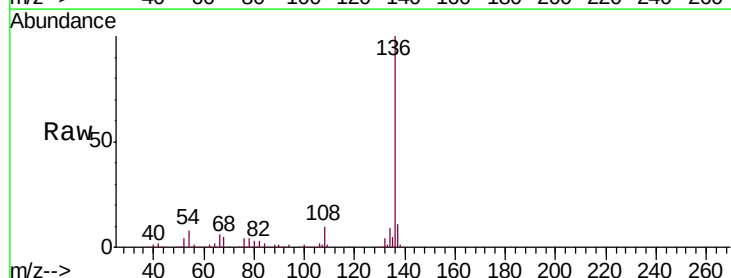
Instrument :
BNA_G
ClientSampleId :
20200058-COMP-4

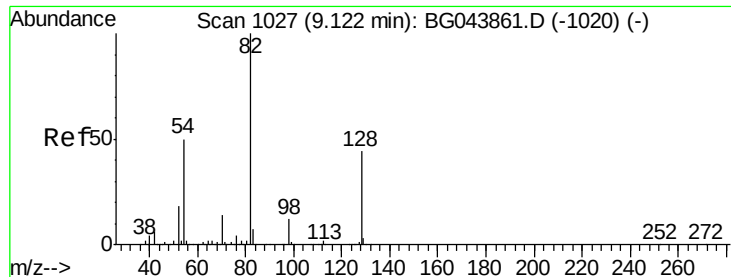
Tgt Ion: 70 Resp: 53121
Ion Ratio Lower Upper
70 100
42 42.8 47.0 70.4#
101 0.0 7.2 10.8#
130 2.1 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1301
Delta R.T. -0.04 min
Lab File: BG044205.D
Acq: 25 Jan 2020 7:02

Tgt Ion: 136 Resp: 385034
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 7.8 7.0 10.4
68 5.3 4.9 7.3

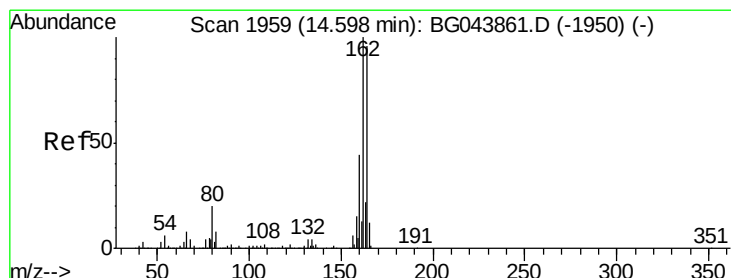
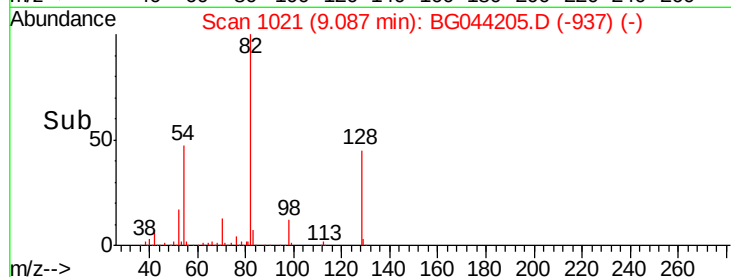
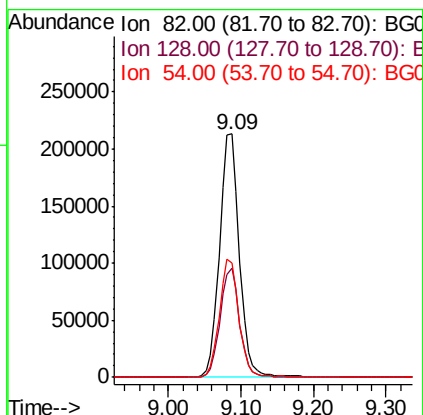
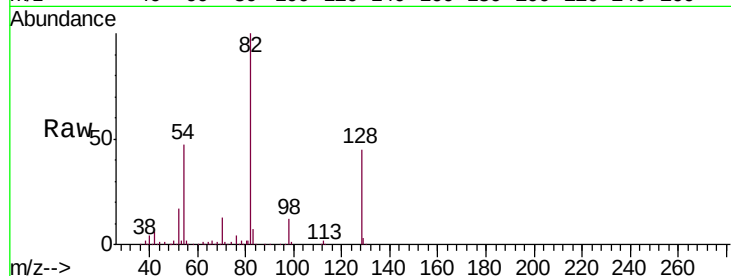




#23
 Nitrobenzene-d5
 Concen: 56.359 ng
 RT: 9.09 min Scan# 1021
 Delta R.T. -0.04 min
 Lab File: BG044205.D
 Acq: 25 Jan 2020 7:02

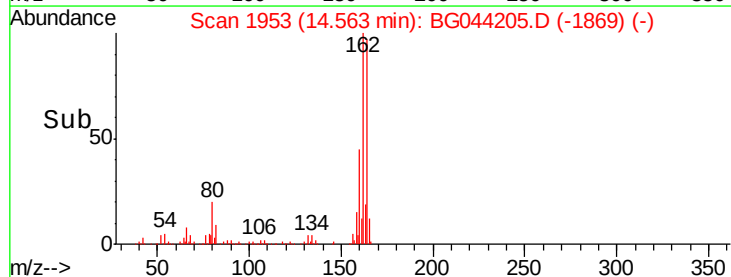
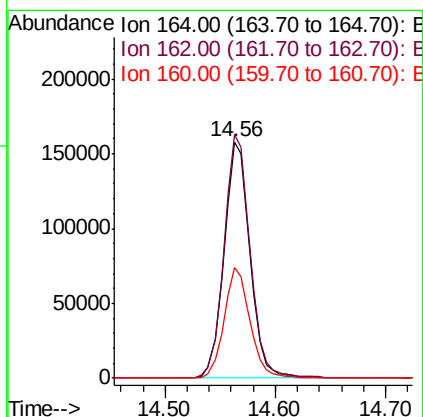
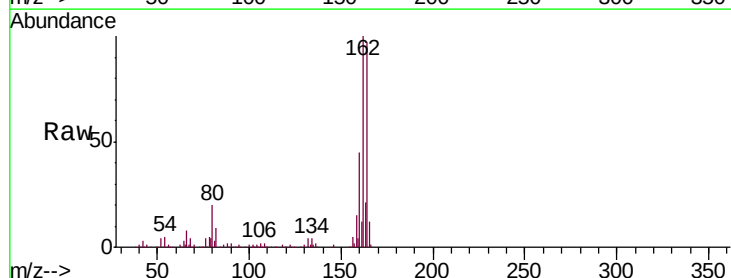
Instrument :
 BNA_G
 ClientSampleId :
 20200058-COMP-4

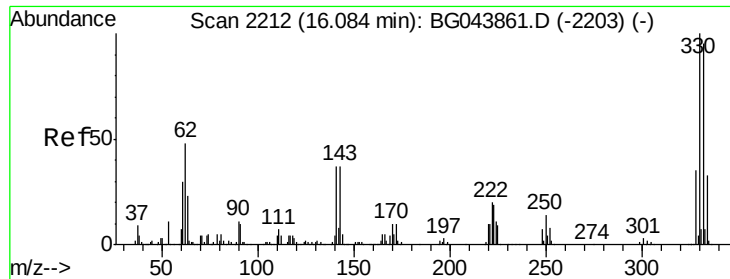
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.7	35.1	52.7
54	46.8	40.1	60.1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1953
 Delta R.T. -0.04 min
 Lab File: BG044205.D
 Acq: 25 Jan 2020 7:02

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.0	124.4
160	46.6	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 87.603 ng

RT: 16.05 min Scan# 2207

Delta R.T. -0.03 min

Lab File: BG044205.D

Acq: 25 Jan 2020 7:02

Instrument :

BNA_G

ClientSampleId :

20200058-COMP-4

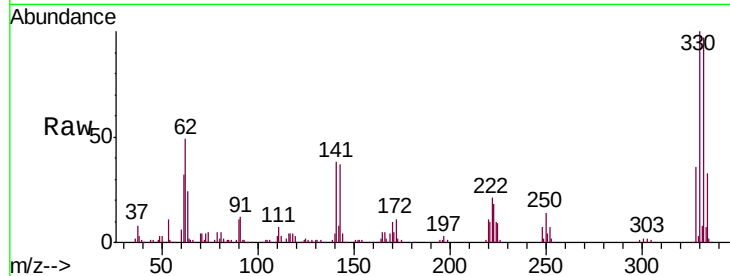
Tgt Ion:330 Resp: 237731

Ion Ratio Lower Upper

330 100

332 97.2 77.2 115.8

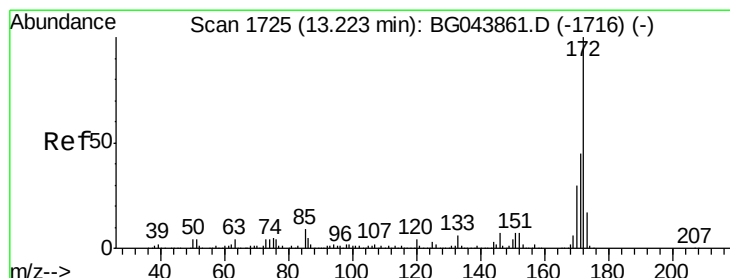
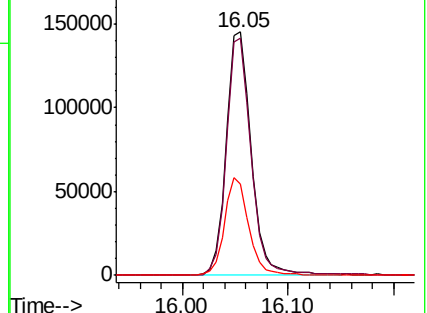
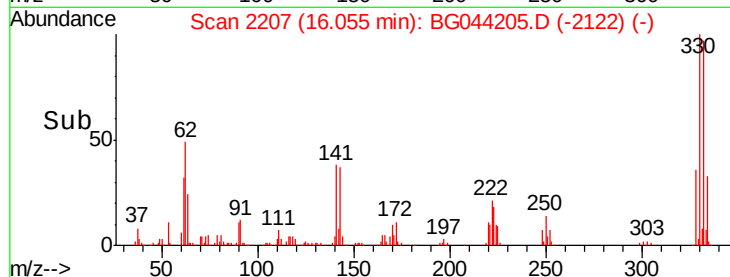
141 39.5 33.1 49.7



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: 61.938 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.04 min

Lab File: BG044205.D

Acq: 25 Jan 2020 7:02

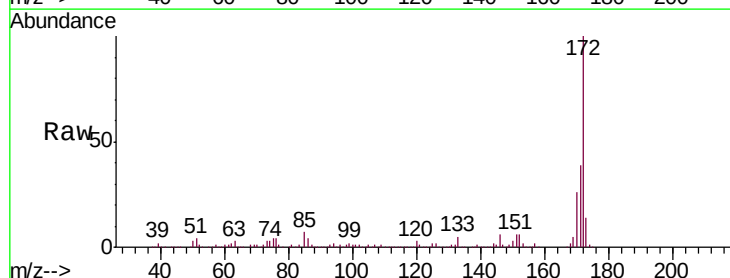
Tgt Ion:172 Resp: 886529

Ion Ratio Lower Upper

172 100

171 39.0 35.8 53.8

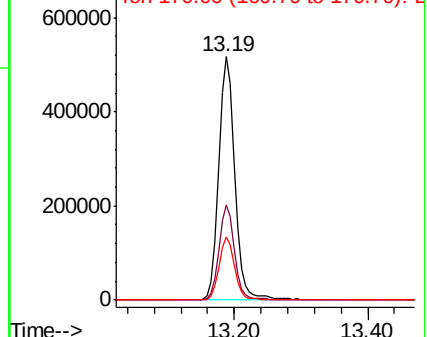
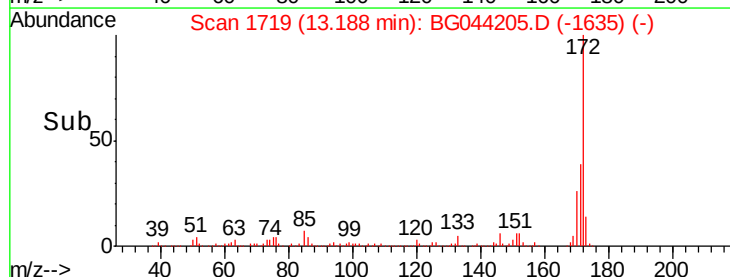
170 25.7 24.2 36.4

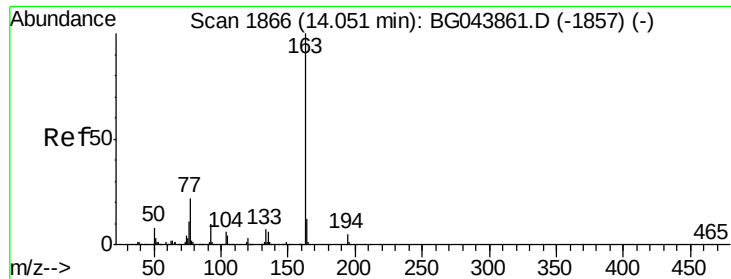


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 8.673 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.04 min

Lab File: BG044205.D

Acq: 25 Jan 2020 7:02

Instrument :

BNA_G

ClientSampleId :

20200058-COMP-4

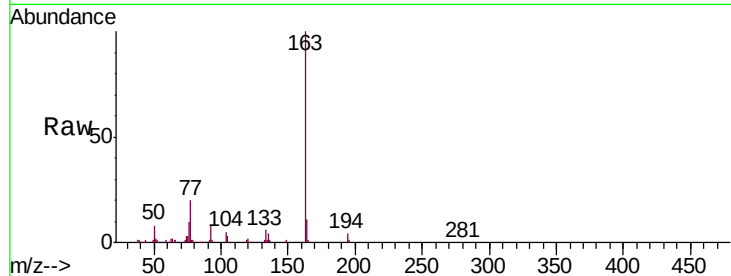
Tgt Ion:163 Resp: 159692

Ion Ratio Lower Upper

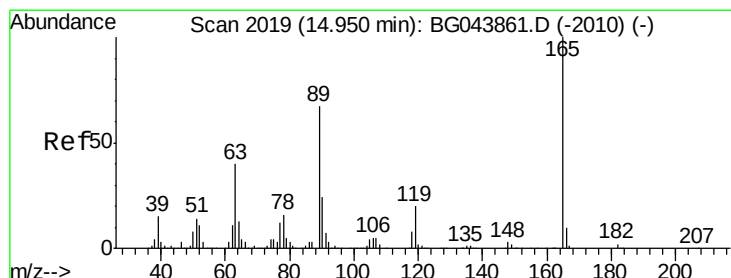
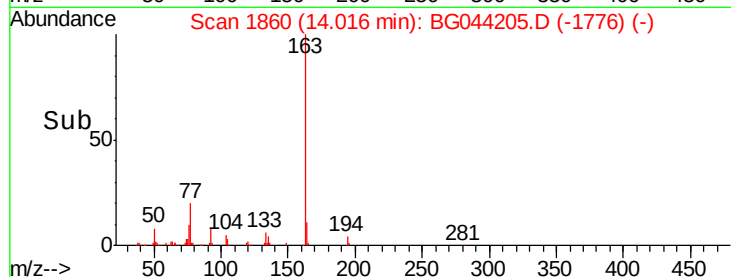
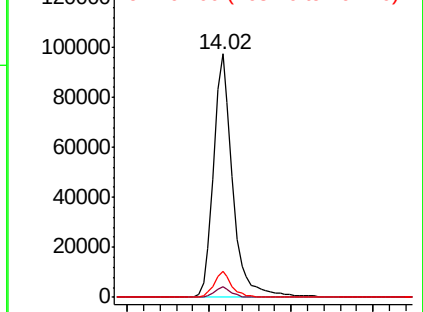
163 100

194 4.4 3.7 5.5

164 10.6 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: 5.965 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044205.D

Acq: 25 Jan 2020 7:02

Tgt Ion:165 Resp: 33780

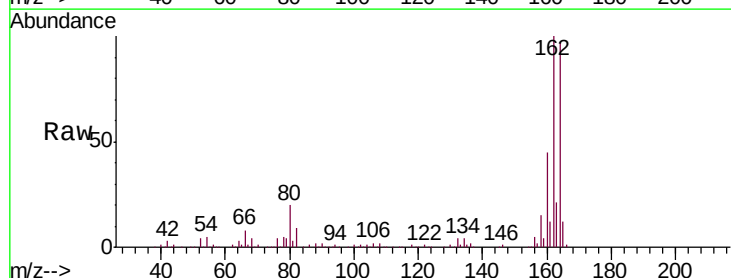
Ion Ratio Lower Upper

165 100

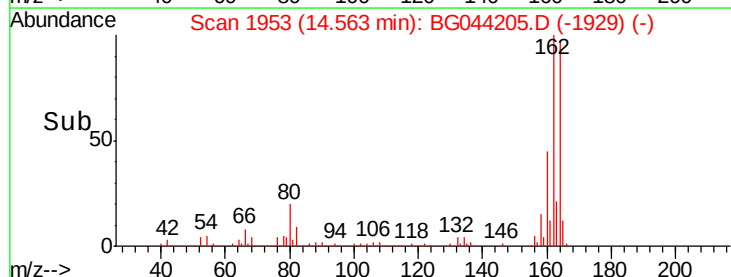
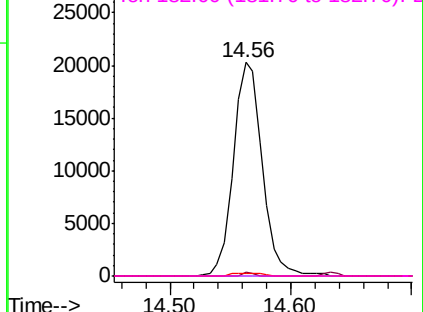
63 1.5 31.9 47.9#

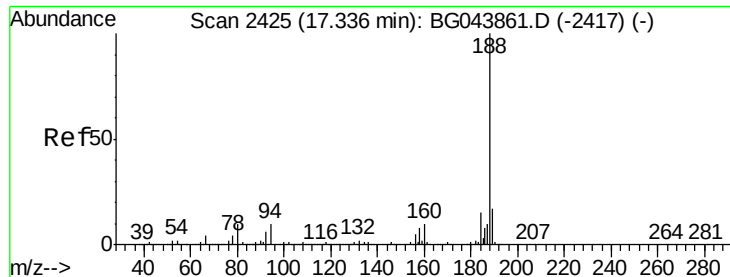
89 1.2 53.8 80.6#

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: BG044205.D

Acq: 25 Jan 2020 7:02

Instrument :

BNA_G

ClientSampleId :

20200058-COMP-4

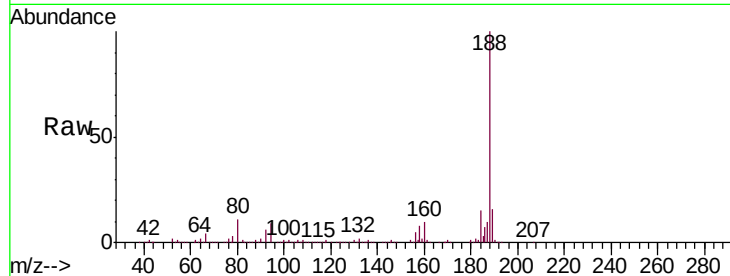
Tgt Ion:188 Resp: 514011

Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

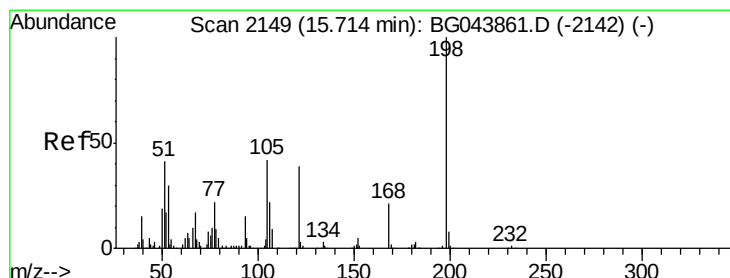
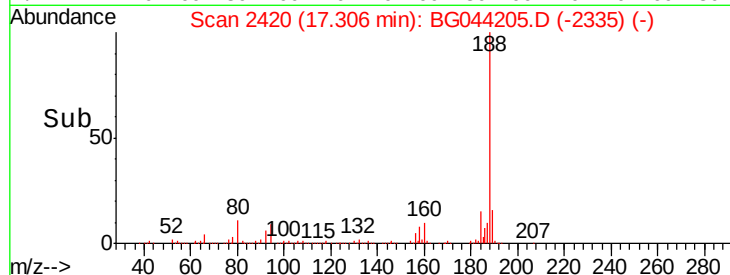
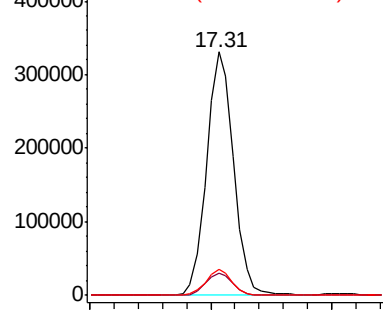
80 10.6 8.2 12.4



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: 4.663 ng

RT: 16.05 min Scan# 2207

Delta R.T. 0.34 min

Lab File: BG044205.D

Acq: 25 Jan 2020 7:02

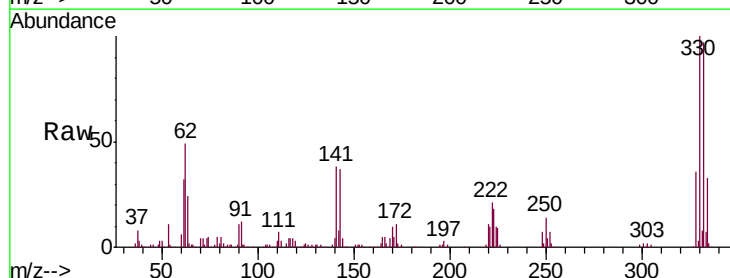
Tgt Ion:198 Resp: 797

Ion Ratio Lower Upper

198 100

51 89.5 22.5 62.5#

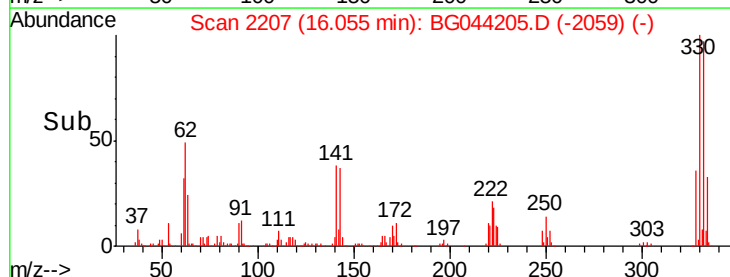
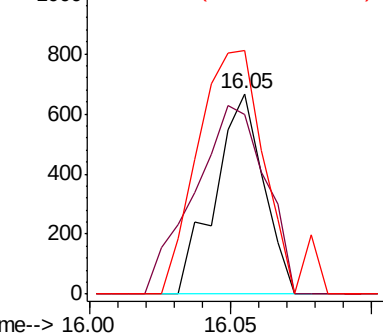
105 121.6 22.3 62.3#

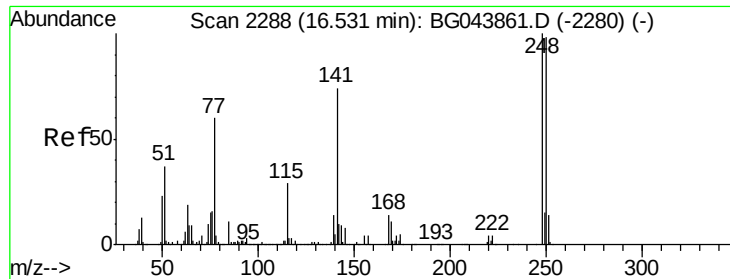


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

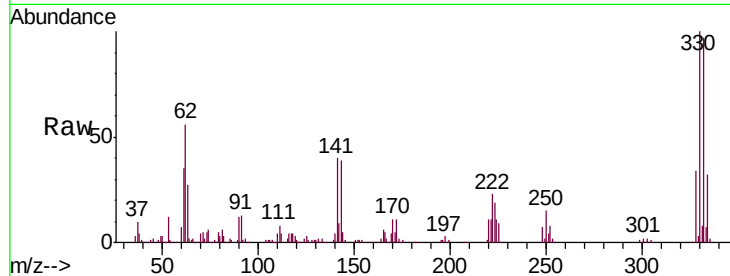




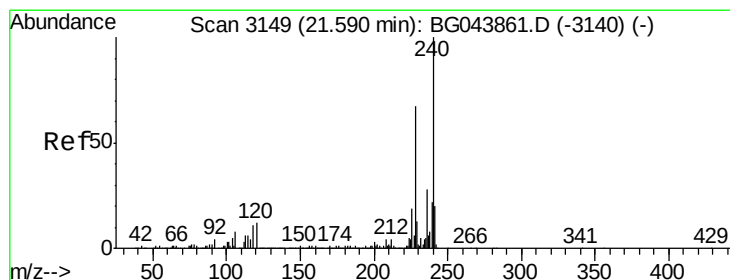
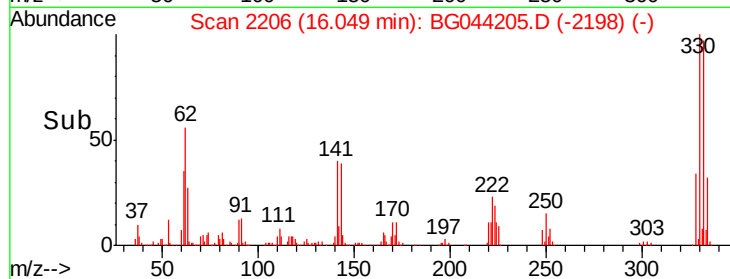
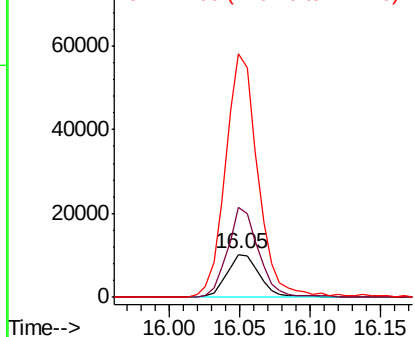
#67
 4-Bromophenyl-phenylether
 Concen: 2.891 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044205.D
 Acq: 25 Jan 2020 7:02

Instrument :
 BNA_G
 ClientSampleId :
 20200058-COMP-4

Tgt Ion:248 Resp: 16714
 Ion Ratio Lower Upper
 248 100
 250 207.4 78.2 117.2#
 141 563.9 59.3 88.9#

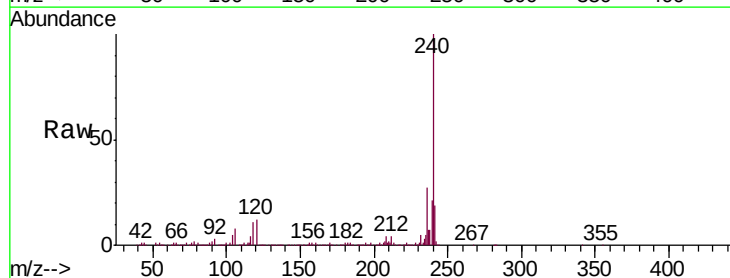


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

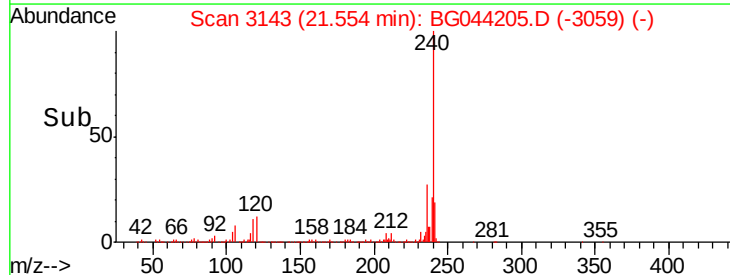
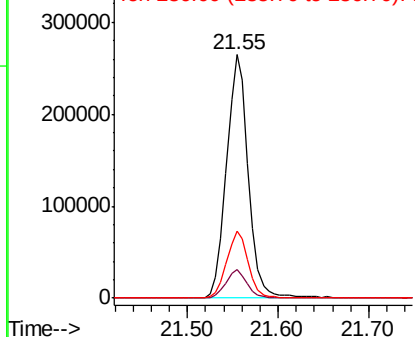


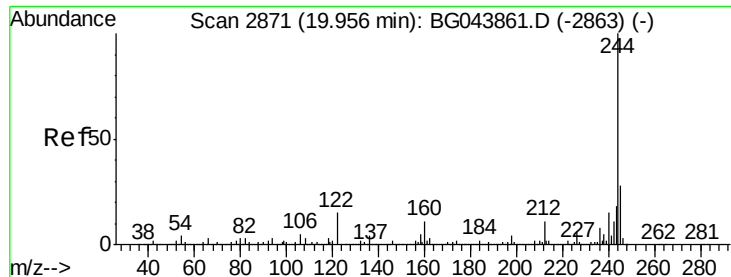
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.55 min Scan# 3143
 Delta R.T. -0.04 min
 Lab File: BG044205.D
 Acq: 25 Jan 2020 7:02

Tgt Ion:240 Resp: 440297
 Ion Ratio Lower Upper
 240 100
 120 11.6 9.6 14.4
 236 27.5 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: 60.499 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044205.D

Acq: 25 Jan 2020 7:02

Instrument :

BNA_G

ClientSampleId :

20200058-COMP-4

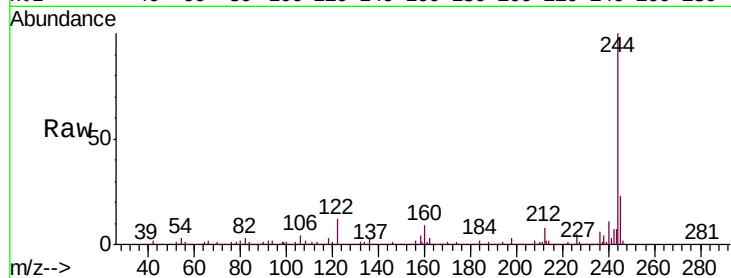
Tgt Ion:244 Resp: 1201891

Ion Ratio Lower Upper

244 100

212 8.4 8.6 13.0#

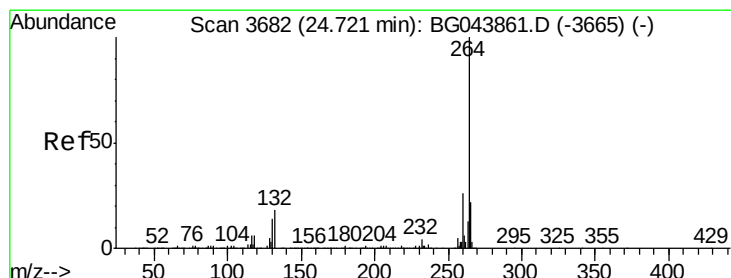
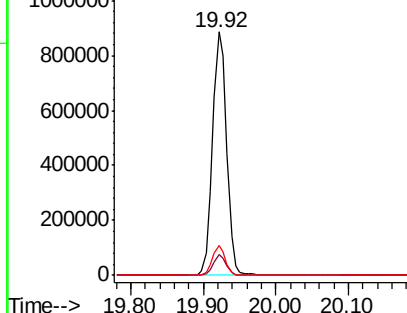
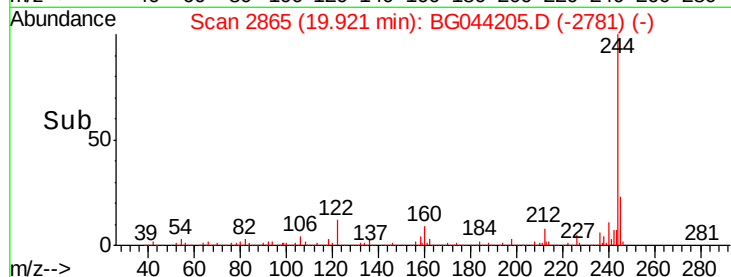
122 12.0 11.9 17.9



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: BG044205.D

Acq: 25 Jan 2020 7:02

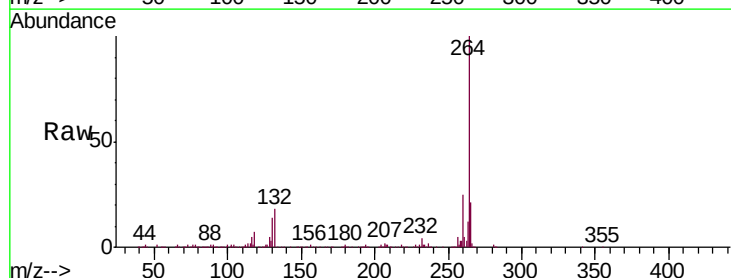
Tgt Ion:264 Resp: 488352

Ion Ratio Lower Upper

264 100

260 24.7 20.4 30.6

265 21.4 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

