

Data File : BG044141.D
Acq On : 21 Jan 2020 19:57
Operator : JU
Sample : L1211-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
B1-0-15

Quant Time: Jan 22 06:48:11 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

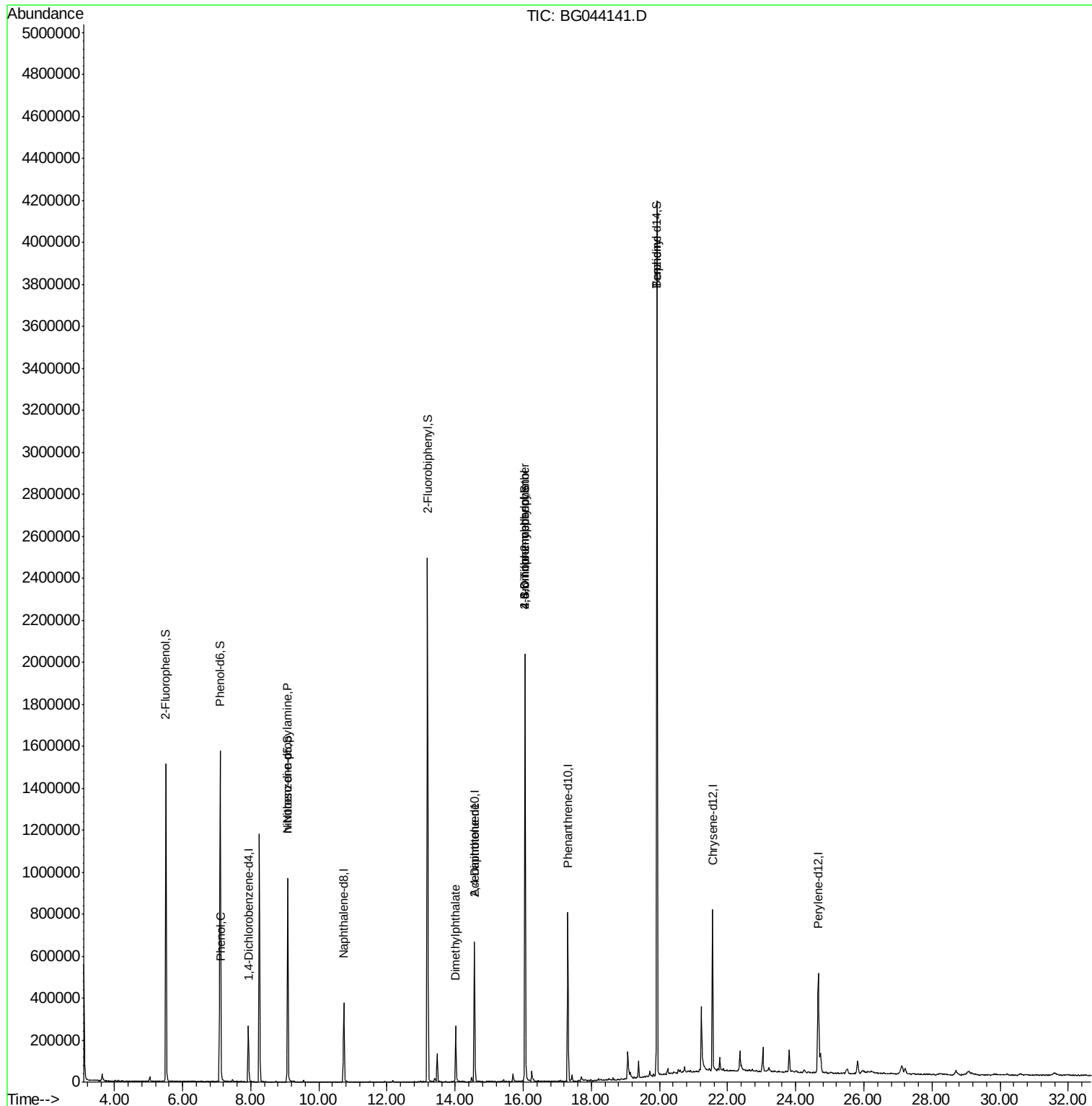
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	80571	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	352141	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	241577	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	508052	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	430047	20.00	ng	-0.03
87) Perylene-d12	24.66	264	479191	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	736787	167.91	ng	-0.03
7) Phenol-d6	7.10	99	1000521	163.12	ng	-0.02
23) Nitrobenzene-d5	9.08	82	620903	94.33	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	390440	154.44	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	1367039	102.52	ng	-0.03
79) Terphenyl-d14	19.92	244	1852008	112.62	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	27204	4.305	ng	89
19) n-Nitroso-di-n-propylamine	9.08	70	81207	17.778	ng	# 78
50) Dimethylphthalate	14.02	163	210348	12.263	ng	98
57) 2,4-Dinitrotoluene	14.57	165	32062	6.078	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	1299	4.841	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	28425	4.975	ng	# 1
77) Benzidine	19.92	184	33116	3.064	ng	# 92

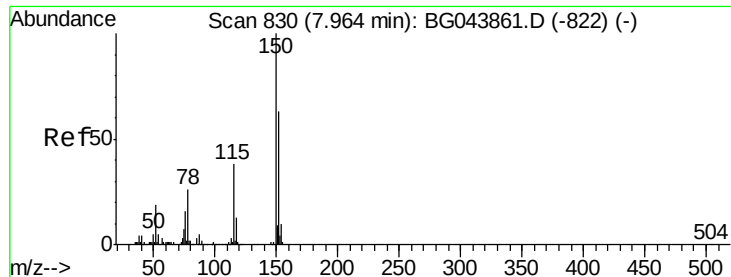
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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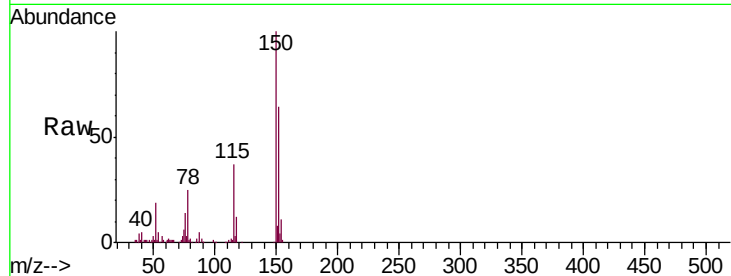


#1

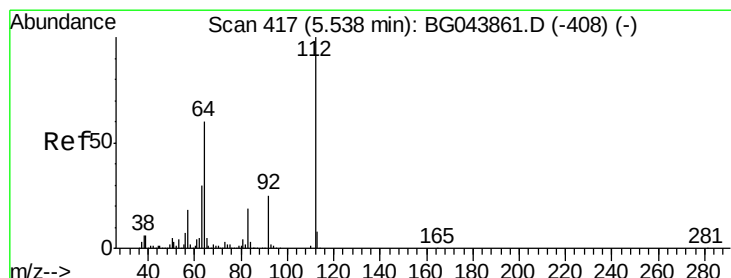
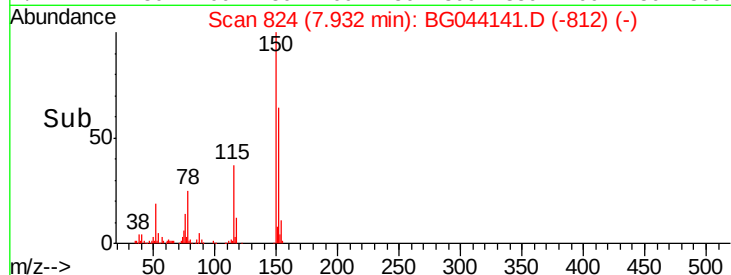
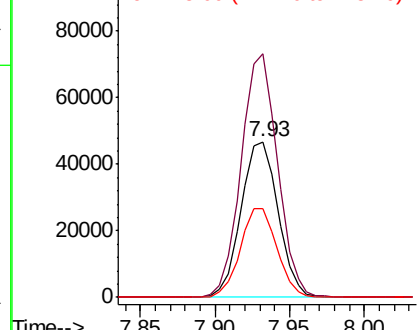
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044141.D
Acq: 21 Jan 2020 19:57

Instrument :
BNA_G
ClientSampleId :
B1-0-15

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.0	190.4
115	57.2	47.8	71.8



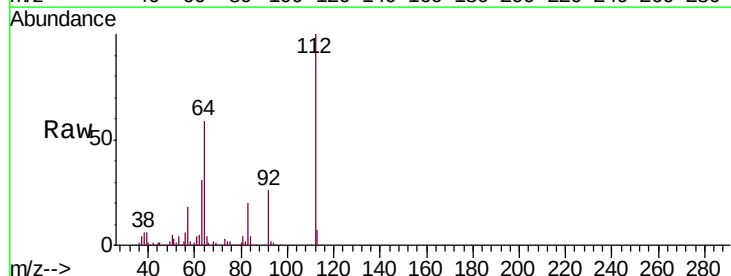
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



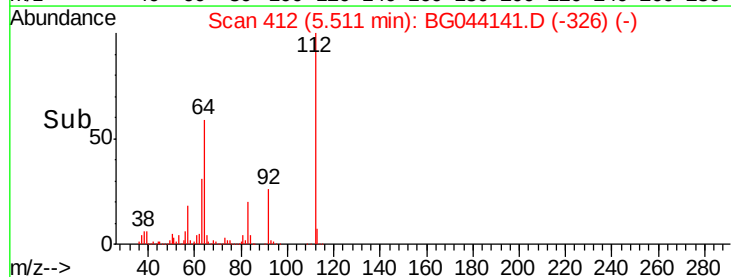
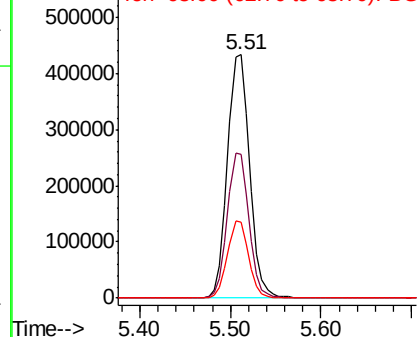
#5

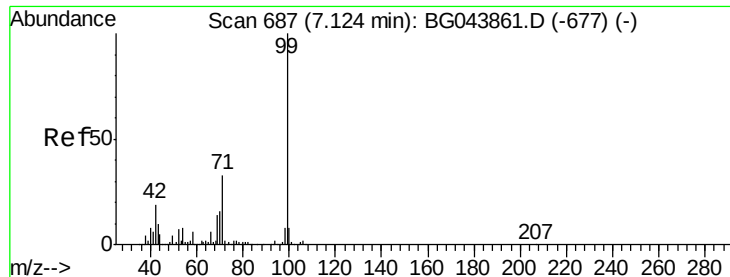
2-Fluorophenol
Concen: 167.905 ng
RT: 5.51 min Scan# 412
Delta R.T. -0.03 min
Lab File: BG044141.D
Acq: 21 Jan 2020 19:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.8	71.6
63	30.9	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: 163.116 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.02 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

Instrument :

BNA_G

ClientSampleId :

B1-0-15

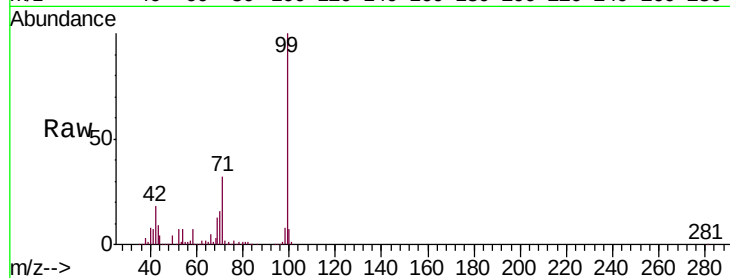
Tgt Ion: 99 Resp: 1000521

Ion Ratio Lower Upper

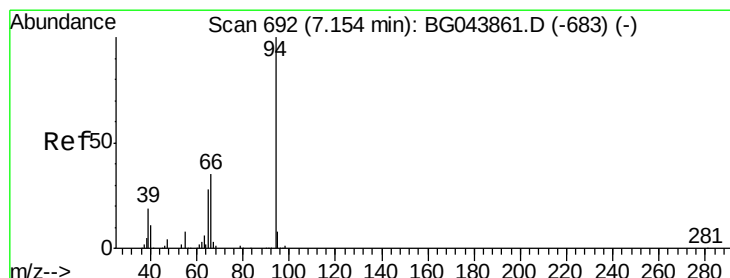
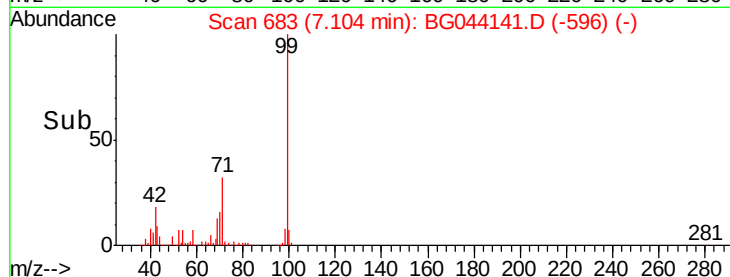
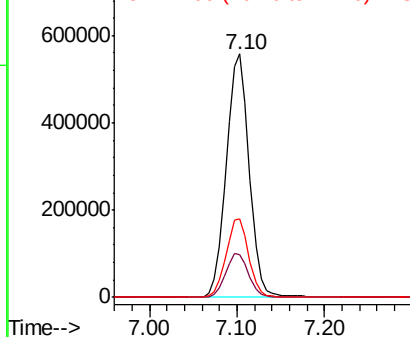
99 100

42 17.8 14.9 22.3

71 32.1 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: 4.305 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

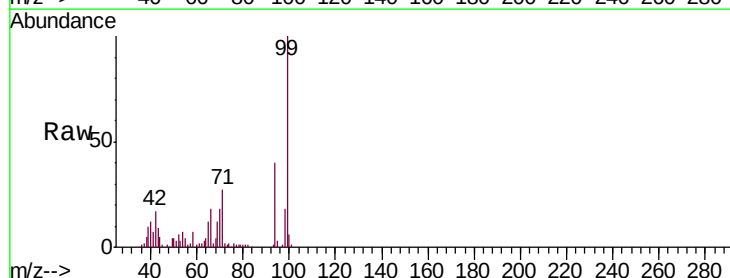
Tgt Ion: 94 Resp: 27204

Ion Ratio Lower Upper

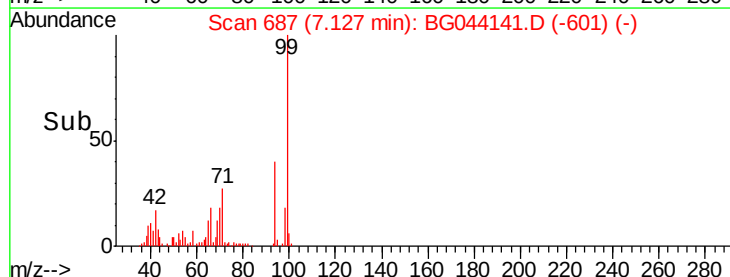
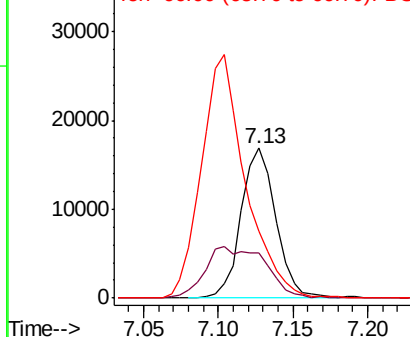
94 100

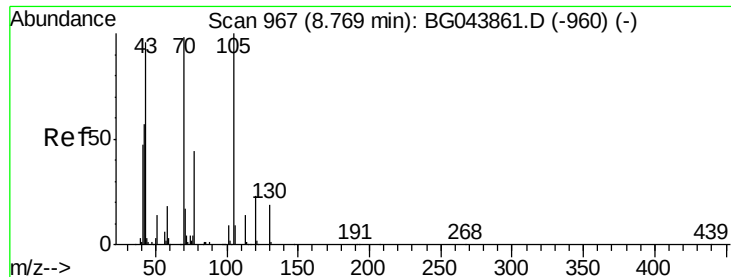
65 30.4 8.1 48.1

66 44.7 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: 17.778 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.31 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

Instrument :

BNA_G

ClientSampleId :

B1-0-15

Tgt Ion: 70 Resp: 81207

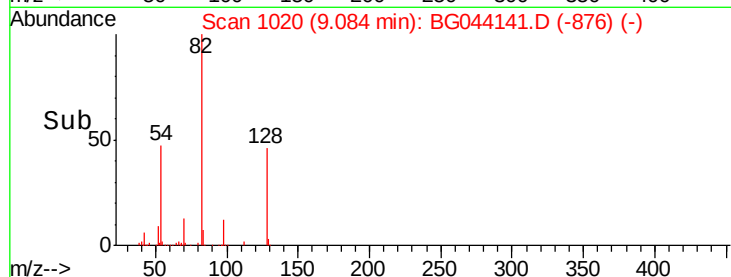
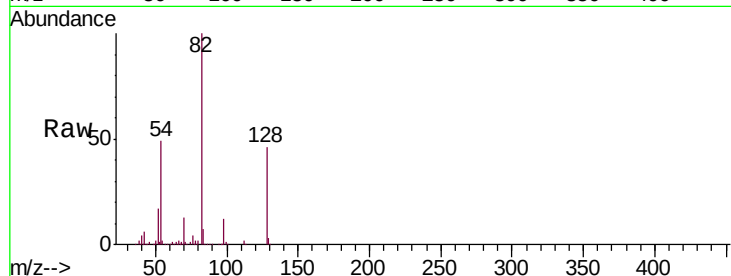
Ion Ratio Lower Upper

70 100

42 46.4 47.0 70.4#

101 0.0 7.2 10.8#

130 1.7 15.6 23.4#

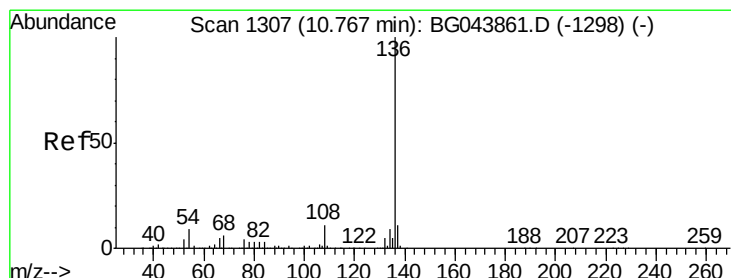
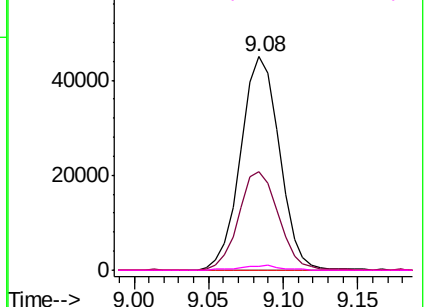


Abundance Ion 70.00 (69.70 to 70.70): BGC

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# 1300

Delta R.T. -0.04 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

Tgt Ion: 136 Resp: 352141

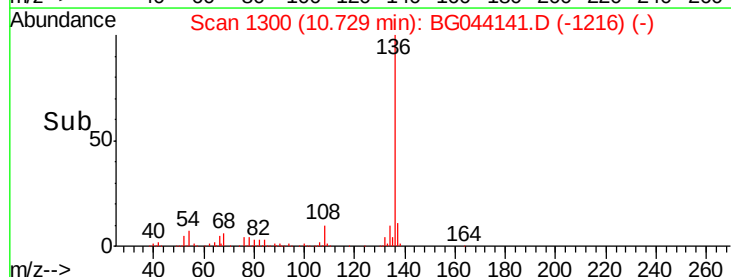
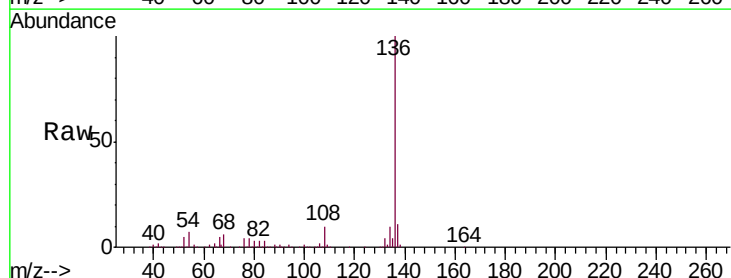
Ion Ratio Lower Upper

136 100

137 11.3 8.8 13.2

54 7.4 7.0 10.4

68 6.4 4.9 7.3

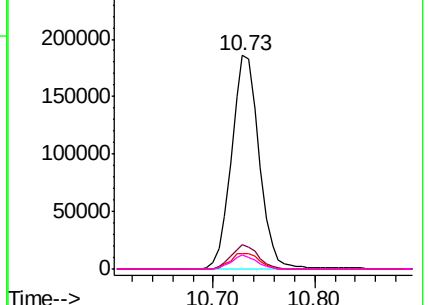


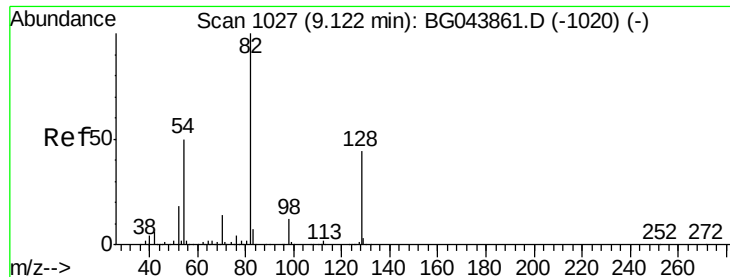
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC





#23

Nitrobenzene-d5

Concen: 94.325 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

Instrument :

BNA_G

ClientSampleId :

B1-0-15

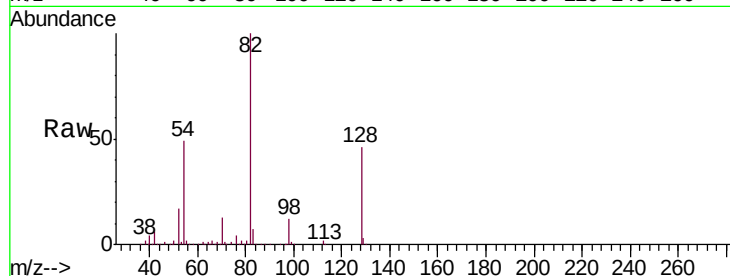
Tgt Ion: 82 Resp: 620903

Ion Ratio Lower Upper

82 100

128 45.9 35.1 52.7

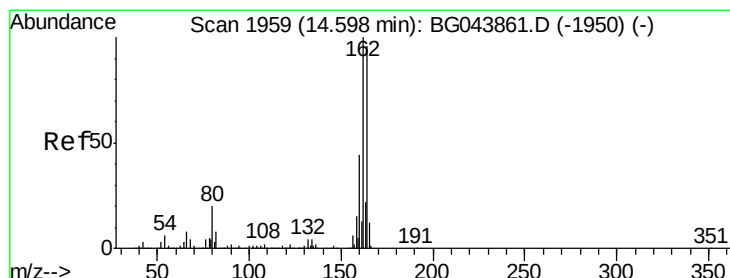
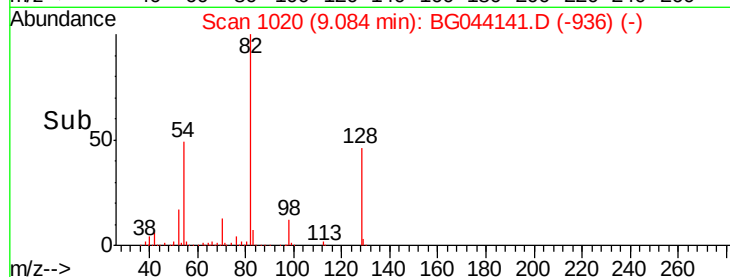
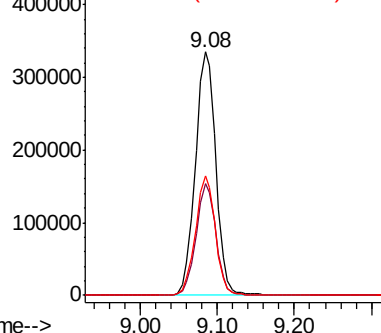
54 49.1 40.1 60.1



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: BG044141.D

Acq: 21 Jan 2020 19:57

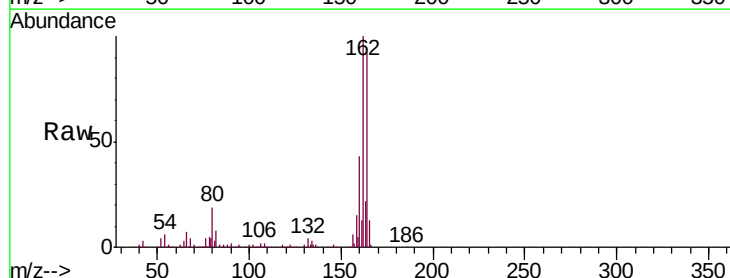
Tgt Ion: 164 Resp: 241577

Ion Ratio Lower Upper

164 100

162 108.7 83.0 124.4

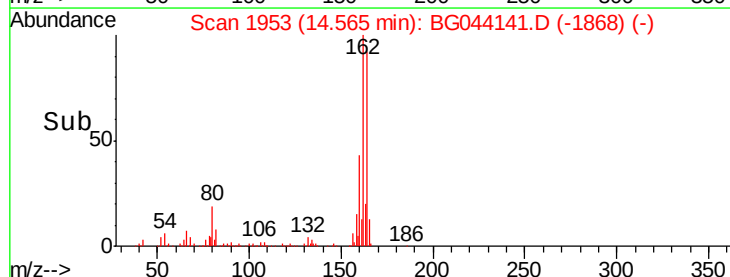
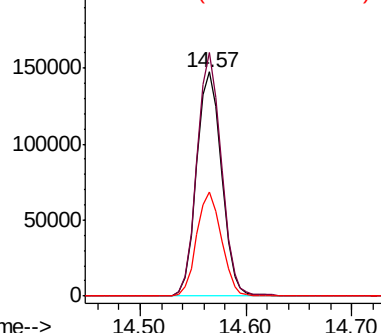
160 46.8 36.1 54.1

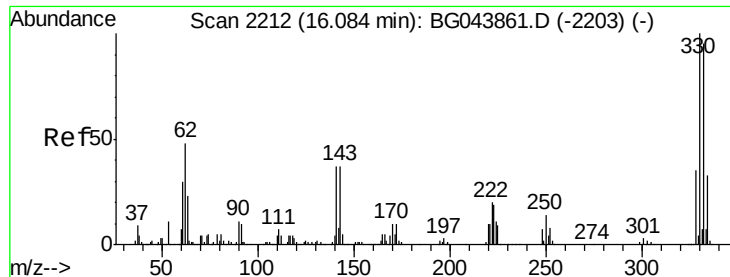


Abundance Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

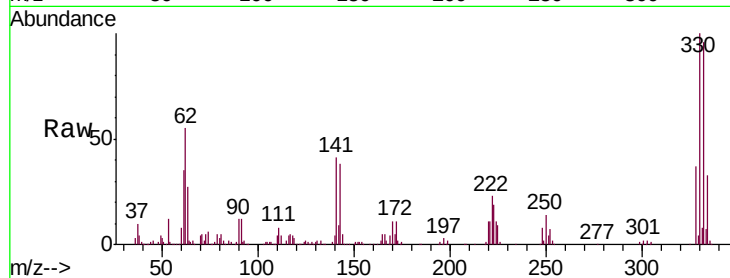




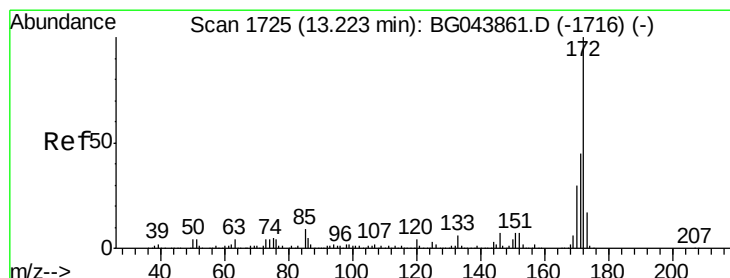
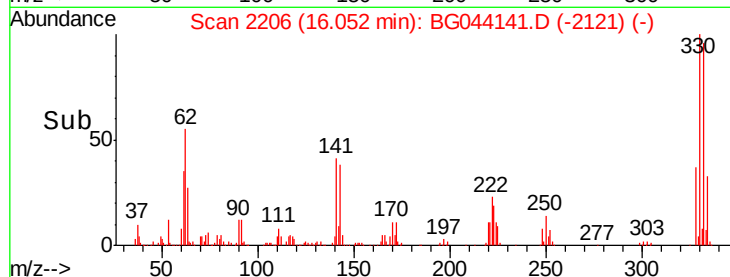
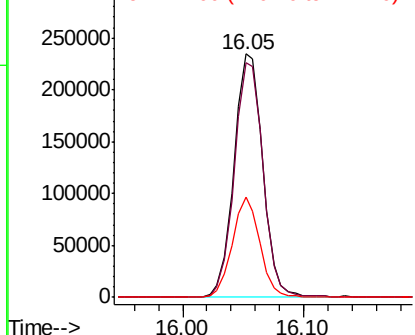
#42
 2,4,6-Tribromophenol
 Concen: 154.443 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.03 min
 Lab File: BG044141.D
 Acq: 21 Jan 2020 19:57

Instrument :
 BNA_G
 ClientSampleId :
 B1-0-15

Tgt Ion:330 Resp: 390440
 Ion Ratio Lower Upper
 330 100
 332 96.9 77.2 115.8
 141 39.4 33.1 49.7

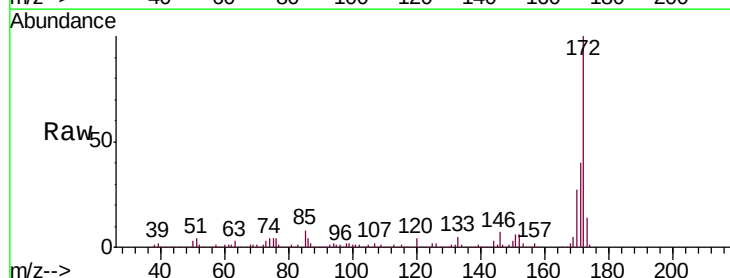


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

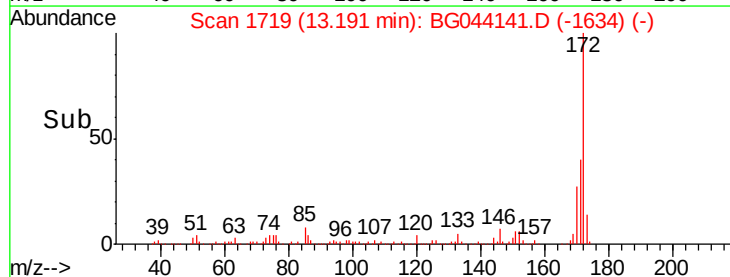
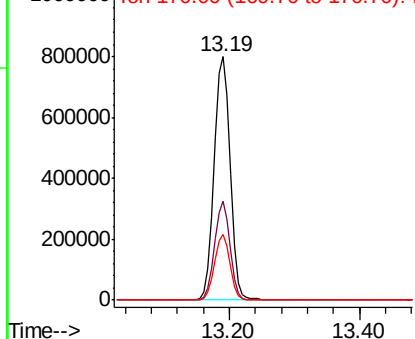


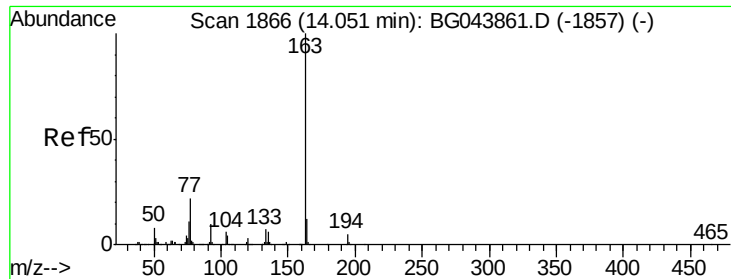
#45
 2-Fluorobiphenyl
 Concen: 102.525 ng
 RT: 13.19 min Scan# 1719
 Delta R.T. -0.03 min
 Lab File: BG044141.D
 Acq: 21 Jan 2020 19:57

Tgt Ion:172 Resp: 1367039
 Ion Ratio Lower Upper
 172 100
 171 40.4 35.8 53.8
 170 26.8 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: 12.263 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

Instrument :

BNA_G

ClientSampleId :

B1-0-15

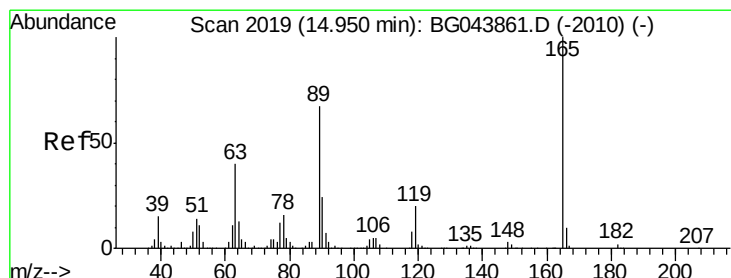
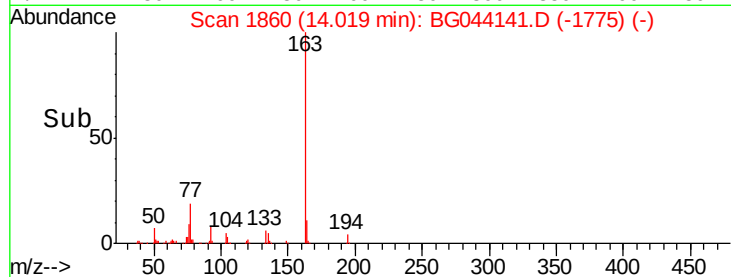
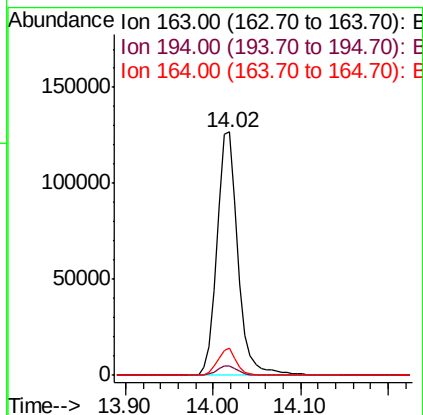
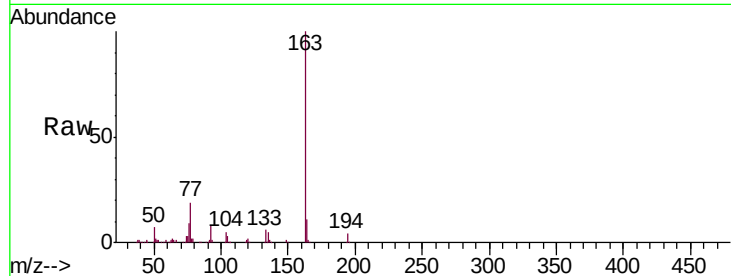
Tgt Ion:163 Resp: 210348

Ion Ratio Lower Upper

163 100

194 4.0 3.7 5.5

164 11.0 9.3 13.9



#57

2,4-Dinitrotoluene

Concen: 6.078 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.38 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

Tgt Ion:165 Resp: 32062

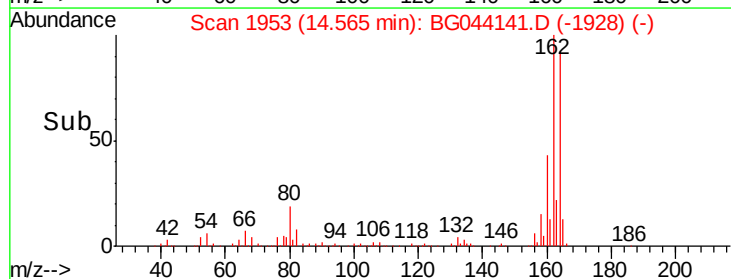
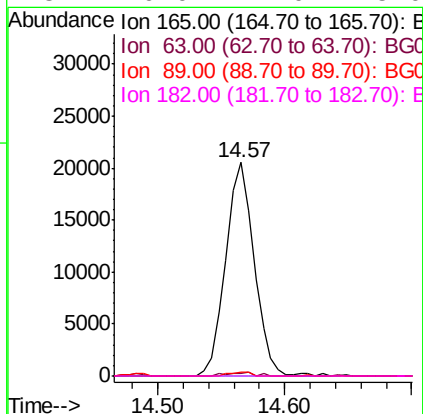
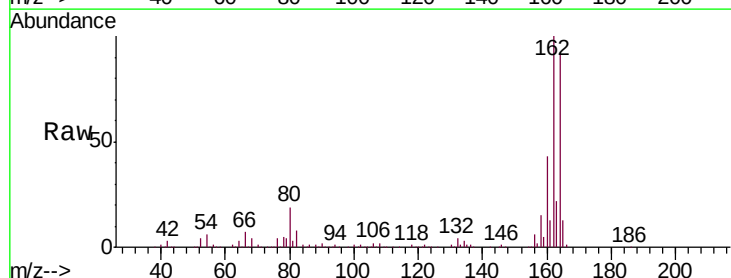
Ion Ratio Lower Upper

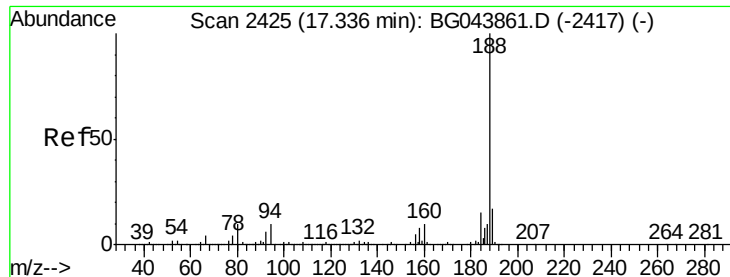
165 100

63 0.9 31.9 47.9#

89 1.6 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: BG044141.D

Acq: 21 Jan 2020 19:57

Instrument :

BNA_G

ClientSampleId :

B1-0-15

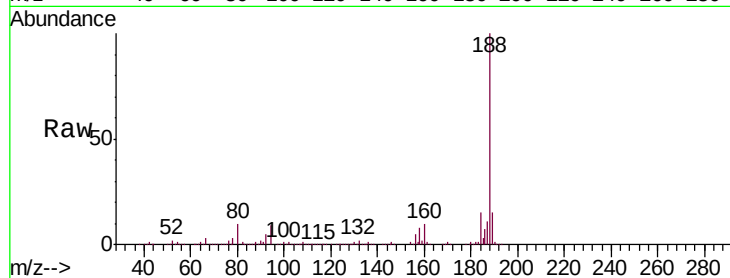
Tgt Ion:188 Resp: 508052

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

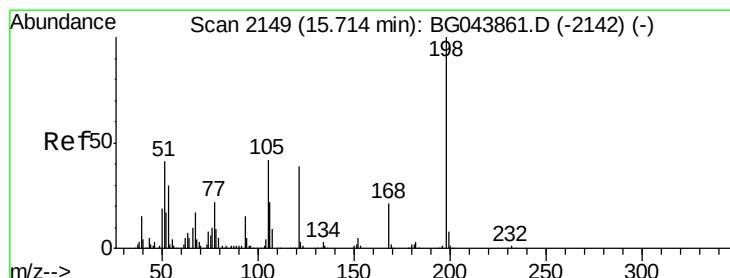
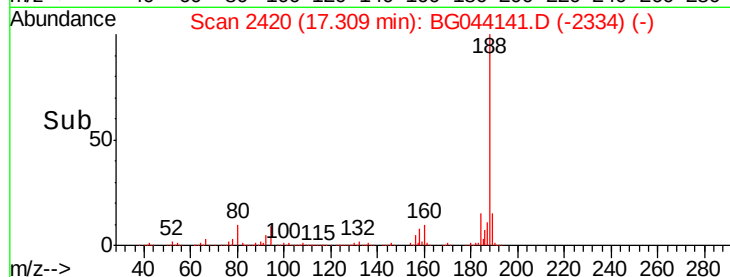
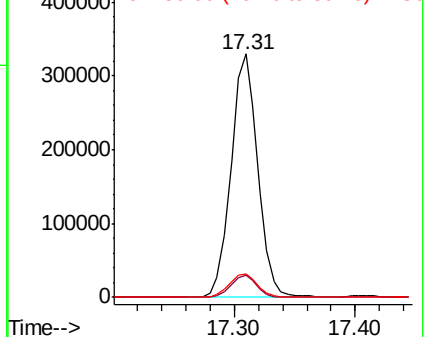
80 9.7 8.2 12.4



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: 4.841 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

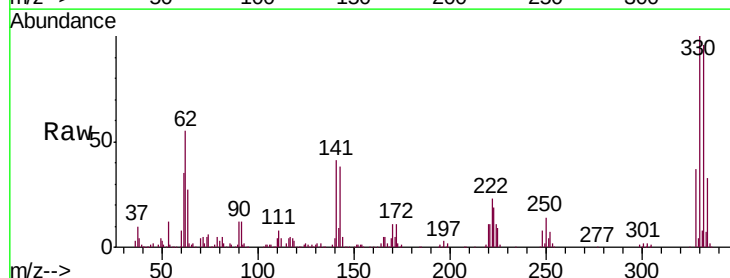
Tgt Ion:198 Resp: 1299

Ion Ratio Lower Upper

198 100

51 135.9 22.5 62.5#

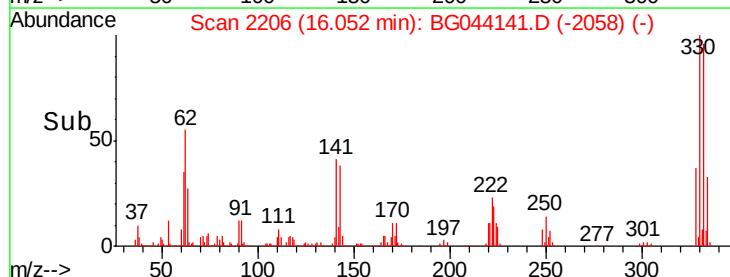
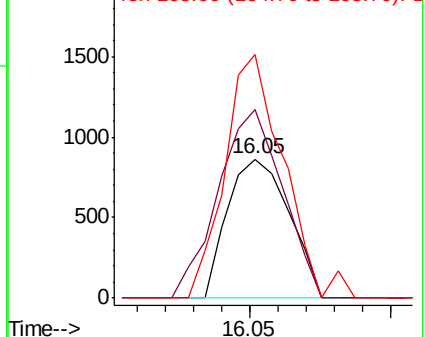
105 175.1 22.3 62.3#

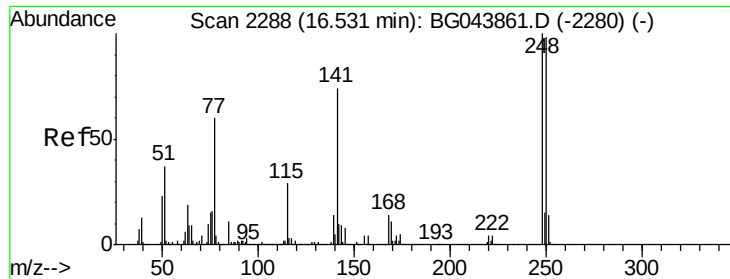


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

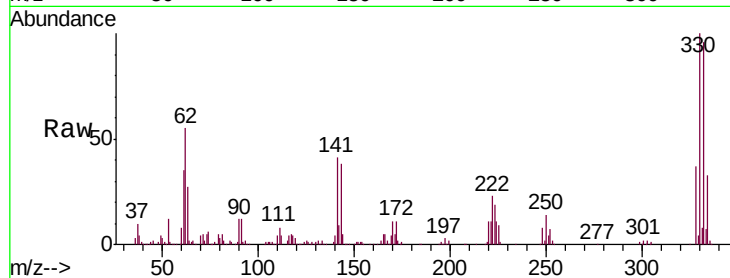




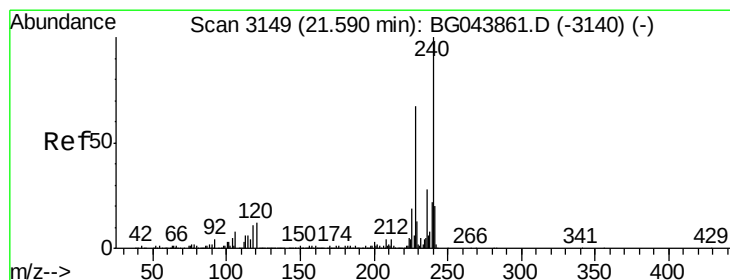
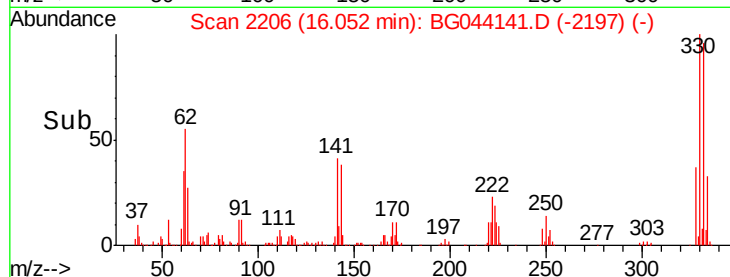
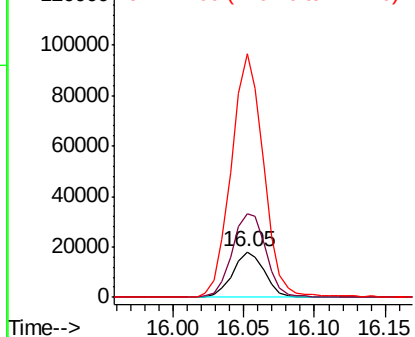
#67
 4-Bromophenyl-phenylether
 Concen: 4.975 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044141.D
 Acq: 21 Jan 2020 19:57

Instrument :
 BNA_G
 ClientSampleId :
 B1-0-15

Tgt Ion:248 Resp: 28425
 Ion Ratio Lower Upper
 248 100
 250 181.8 78.2 117.2#
 141 531.3 59.3 88.9#

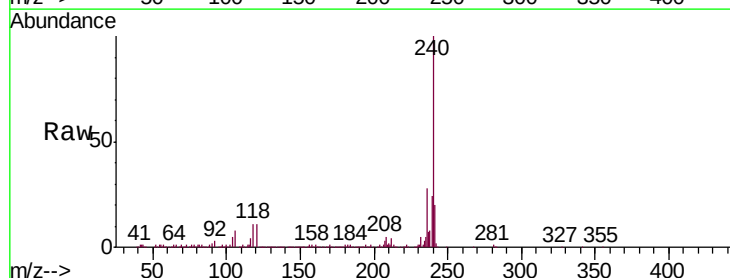


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

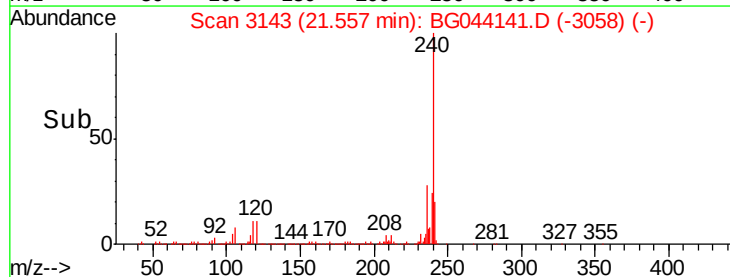
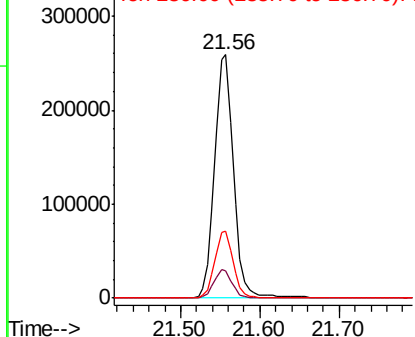


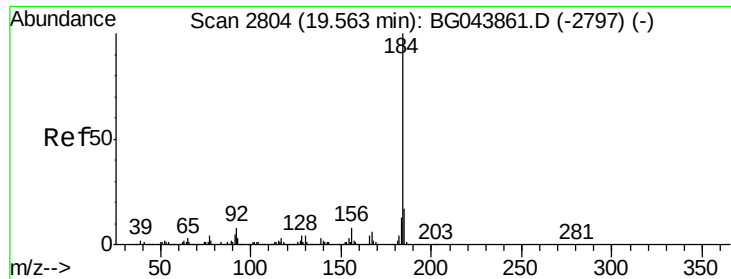
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044141.D
 Acq: 21 Jan 2020 19:57

Tgt Ion:240 Resp: 430047
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.6 14.4
 236 27.7 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: 3.064 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

Instrument :

BNA_G

ClientSampleId :

B1-0-15

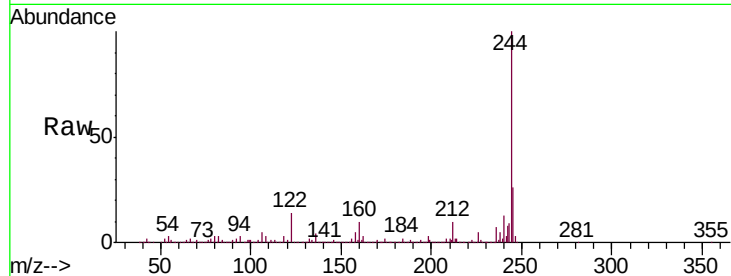
Tgt Ion:184 Resp: 33116

Ion Ratio Lower Upper

184 100

185 16.1 13.4 20.0

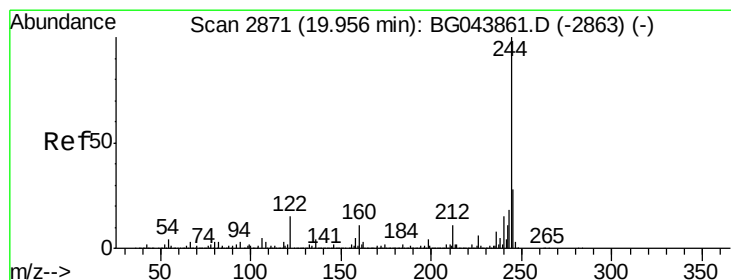
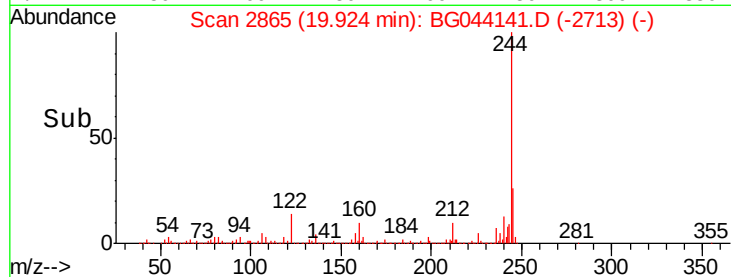
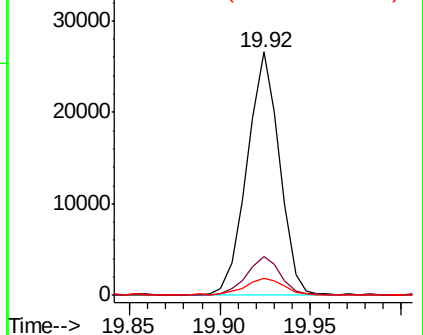
183 6.8 10.6 15.8#



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: 112.621 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044141.D

Acq: 21 Jan 2020 19:57

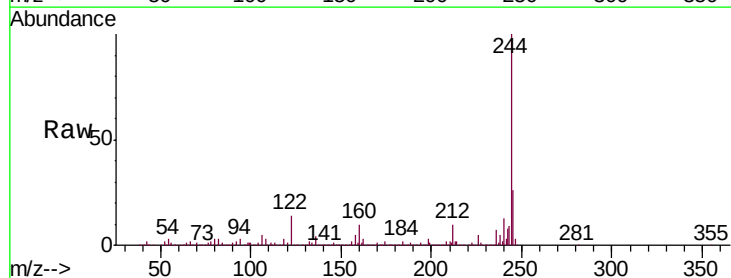
Tgt Ion:244 Resp: 1852008

Ion Ratio Lower Upper

244 100

212 9.8 8.6 13.0

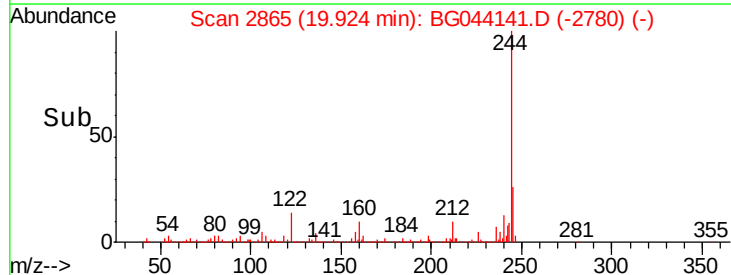
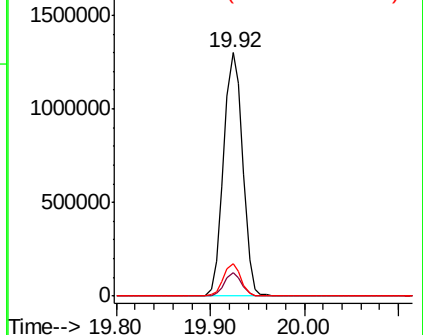
122 13.5 11.9 17.9

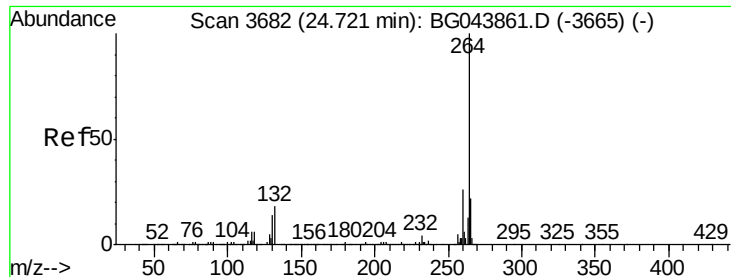


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

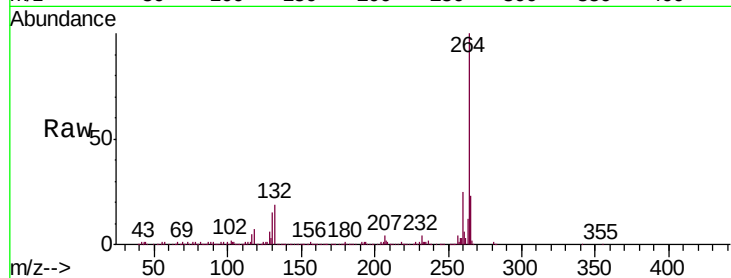




#87
Perylene-d12
Concen: 20.000 ng
RT: 24.66 min Scan# 3671
Delta R.T. -0.06 min
Lab File: BG044141.D
Acq: 21 Jan 2020 19:57

Instrument :
BNA_G
ClientSampleId :
B1-0-15

Tgt Ion:	264	Resp:	479191
Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.4	30.6
265	22.9	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

