

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG011320\
 Data File : BG044023.D
 Acq On : 13 Jan 2020 22:18
 Operator : JU
 Sample : L1074-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 14 10:16:54 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

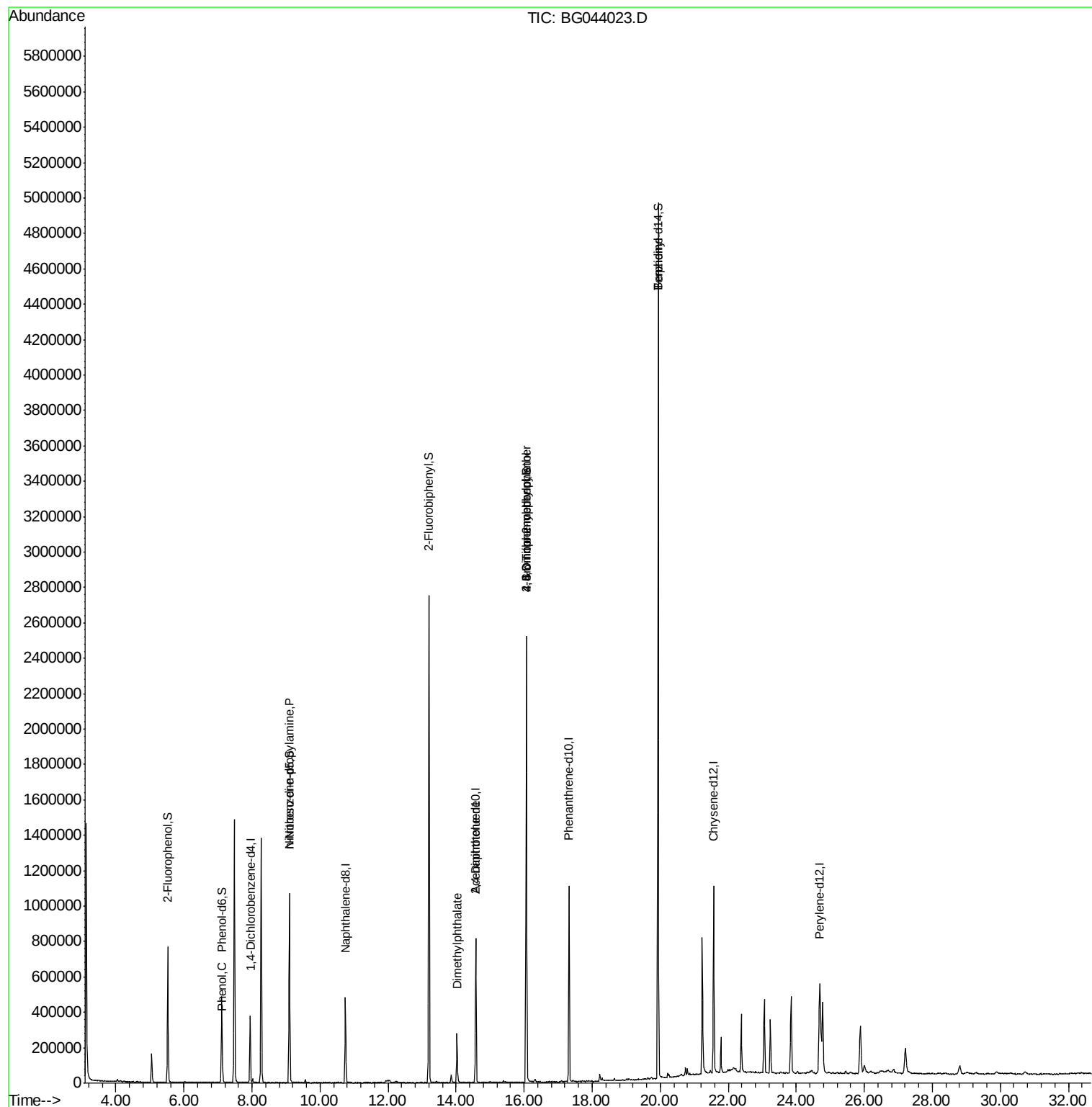
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	110825	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	444199	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	290249	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	682453	20.00	ng	-0.02
76) Chrysene-d12	21.57	240	626468	20.00	ng	-0.02
87) Perylene-d12	24.69	264	705939	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	376358	62.35	ng	-0.01
7) Phenol-d6	7.11	99	319214	37.84	ng	-0.01
23) Nitrobenzene-d5	9.10	82	686698	82.70	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	474530	156.23	ng	-0.02
45) 2-Fluorobiphenyl	13.20	172	1472078	91.89	ng	-0.02
79) Terphenyl-d14	19.94	244	2415460	96.16	ng	-0.02
Target Compounds						
10) Phenol	7.14	94	22652	2.606	ng	98
19) n-Nitroso-di-n-propylamine	9.10	70	88598	14.101	ng	# 79
50) Dimethylphthalate	14.03	163	195445	9.484	ng	97
57) 2,4-Dinitrotoluene	14.57	165	38140	6.017	ng	# 26
65) 4,6-Dinitro-2-methylphenol	16.07	198	1598	4.803	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	33990	4.428	ng	# 1
77) Benizidine	19.94	184	45853	2.912	ng	# 92

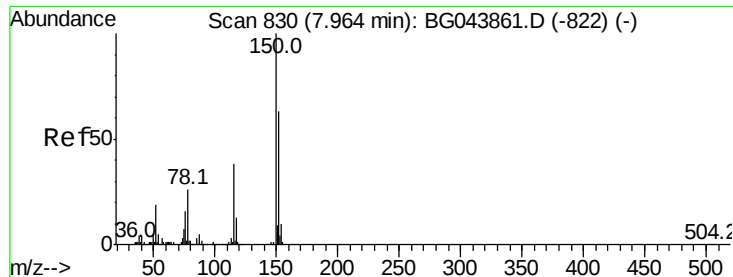
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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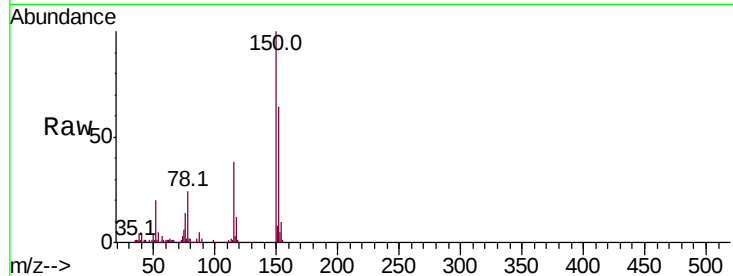


#1

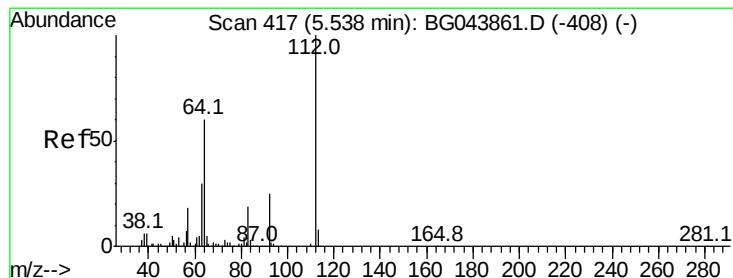
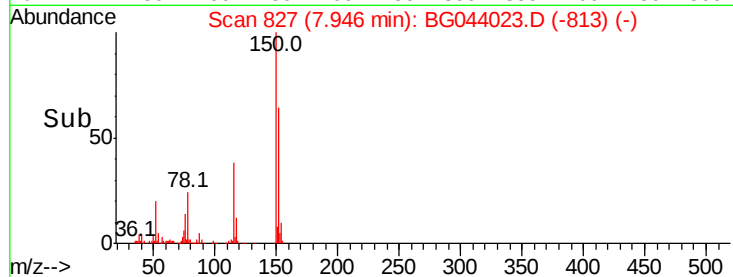
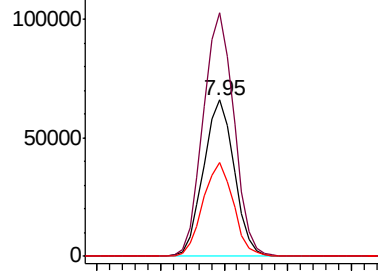
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG044023.D
Acq: 13 Jan 2020 22:18

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	127.0	190.4
115	59.8	47.8	71.8



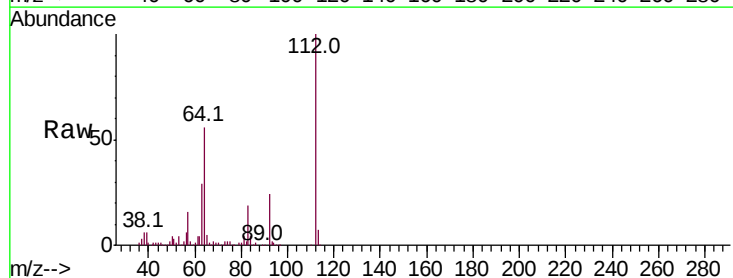
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



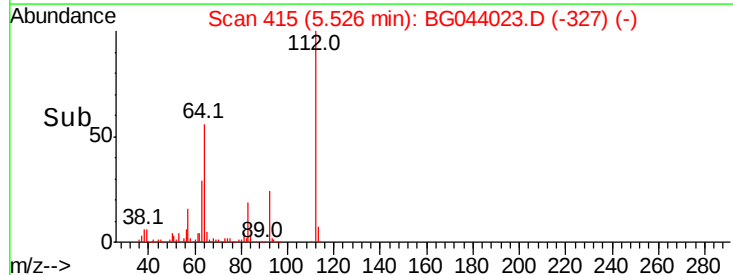
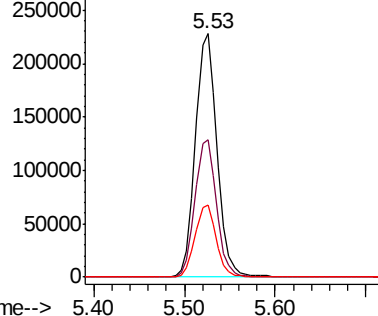
#5

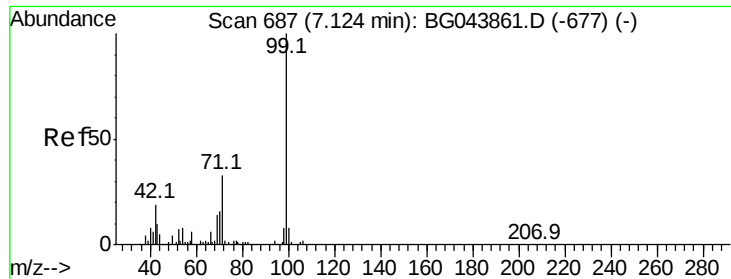
2-Fluorophenol
Concen: 62.354 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044023.D
Acq: 13 Jan 2020 22:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.8	71.6
63	29.4	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 37.835 ng

RT: 7.11 min Scan# 685

Delta R.T. -0.01 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

Instrument :

BNA_G

ClientSampleId :

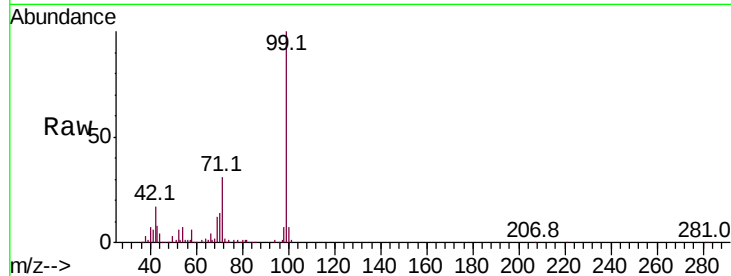
Tot Ion: 99 Resp: 319214

Ion Ratio Lower Upper

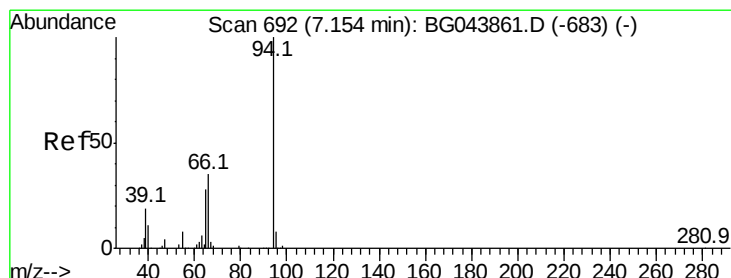
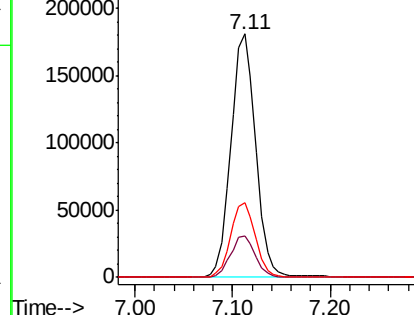
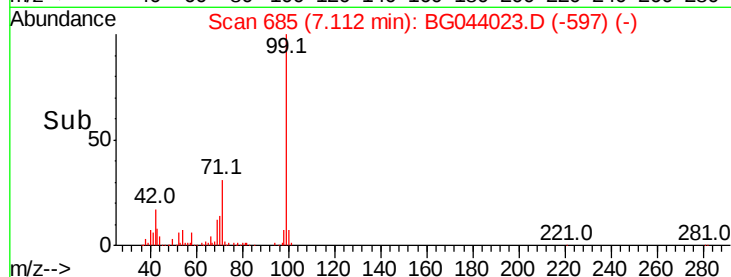
99 100

42 17.2 14.9 22.3

71 30.9 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: 2.606 ng

RT: 7.14 min Scan# 689

Delta R.T. -0.02 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

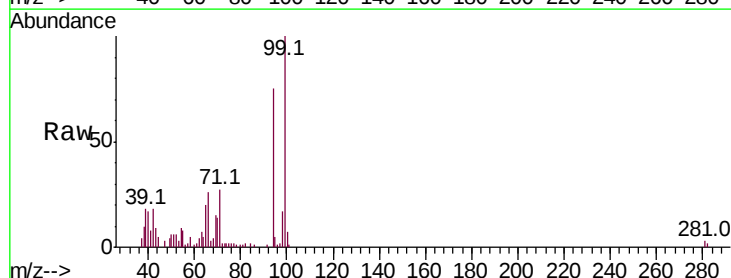
Tgt Ion: 94 Resp: 22652

Ion Ratio Lower Upper

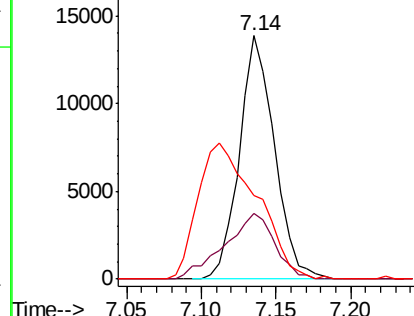
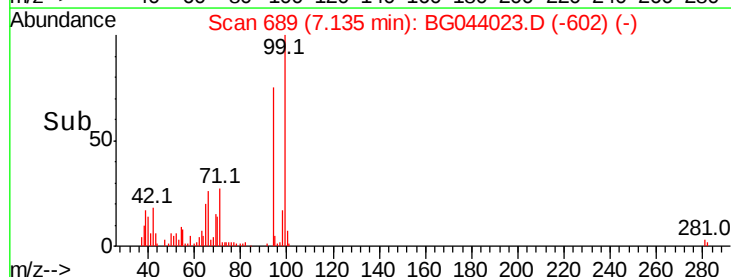
94 100

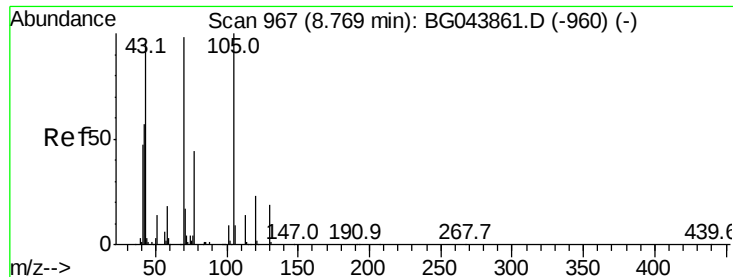
65 27.1 8.1 48.1

66 34.6 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

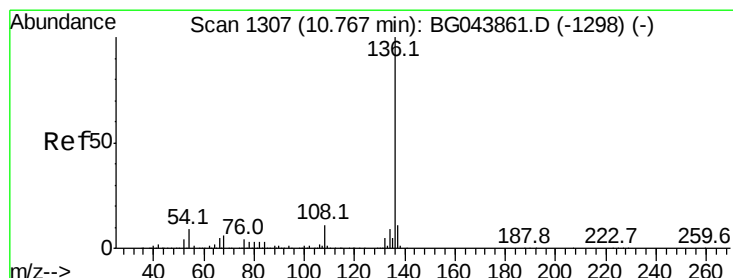
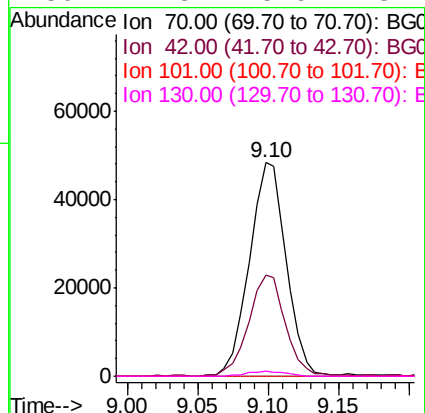
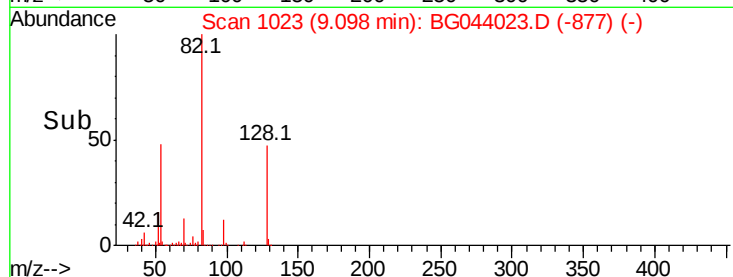
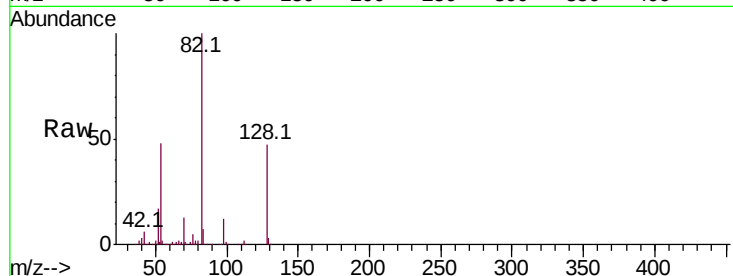




#19
n-Nitroso-di-n-propylamine
Concen: 14.101 ng
RT: 9.10 min Scan# 1023
Delta R.T. 0.33 min
Lab File: BG044023.D
Acq: 13 Jan 2020 22:18

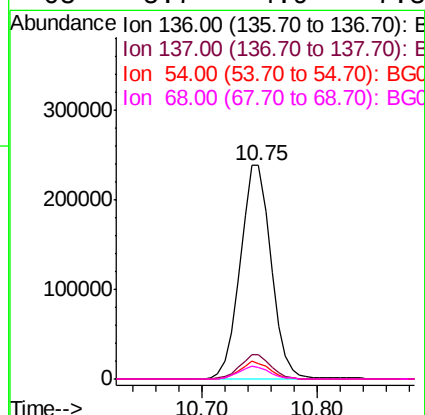
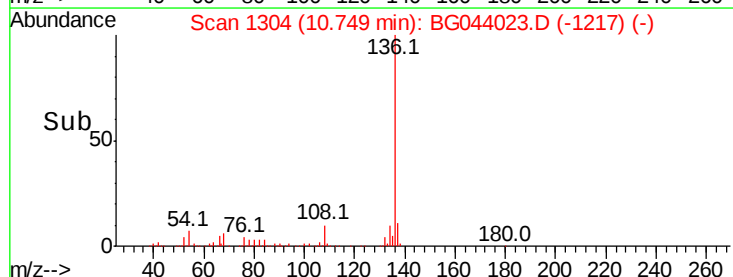
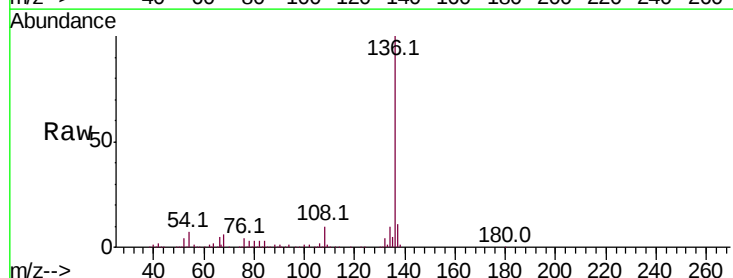
Instrument :
BNA_G
ClientSampleId :

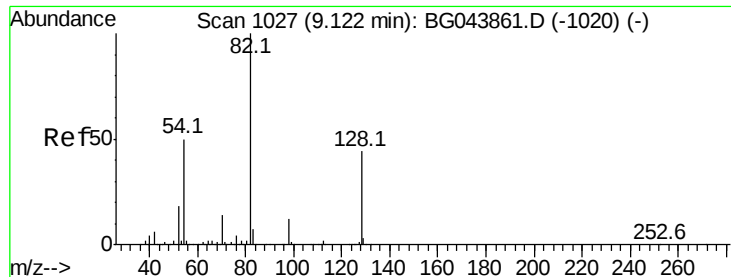
Tot Ion: 70 Resp: 88598
Ion Ratio Lower Upper
70 100
42 47.3 47.0 70.4
101 0.0 7.2 10.8#
130 2.3 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044023.D
Acq: 13 Jan 2020 22:18

Tgt Ion:136 Resp: 444199
Ion Ratio Lower Upper
136 100
137 11.2 8.8 13.2
54 7.2 7.0 10.4
68 5.7 4.9 7.3





#23

Nitrobenzene-d5

Concen: 82.701 ng

RT: 9.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

Instrument :

BNA_G

ClientSampled :

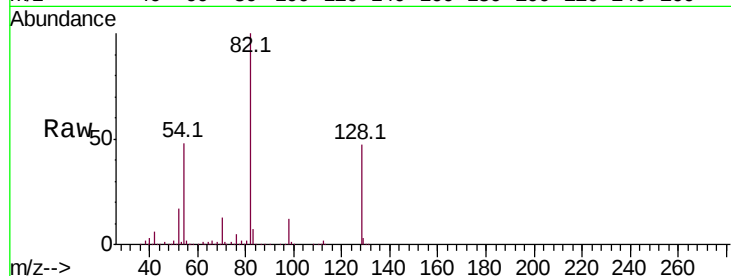
Tot Ion: 82 Resp: 686698

Ion Ratio Lower Upper

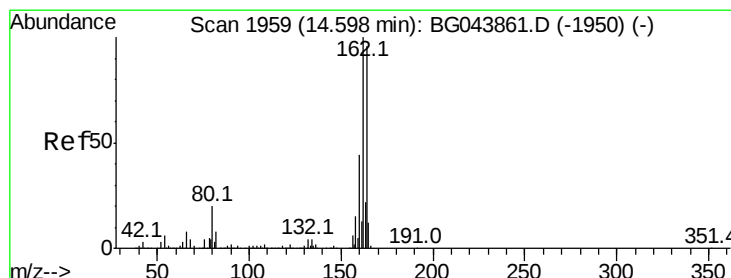
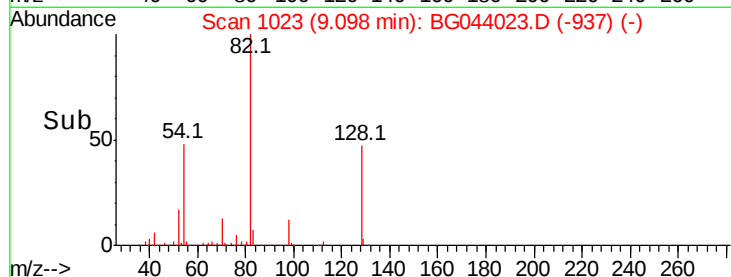
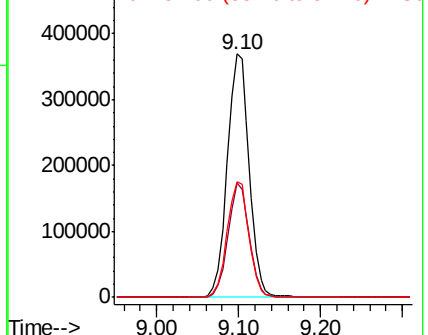
82 100

128 46.8 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: 14.58 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

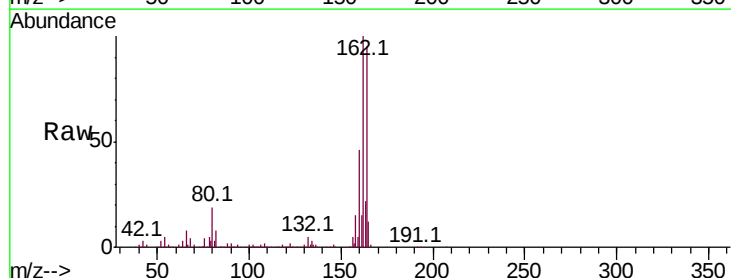
Tgt Ion: 164 Resp: 290249

Ion Ratio Lower Upper

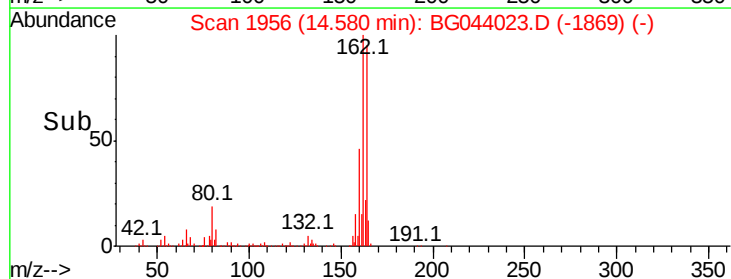
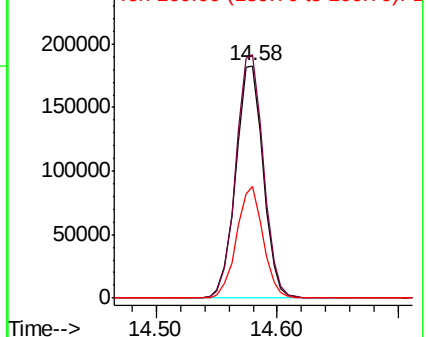
164 100

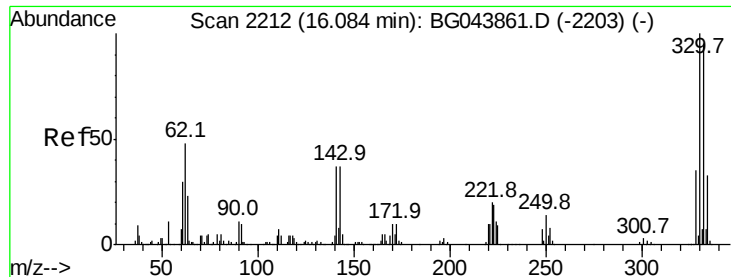
162 104.8 83.0 124.4

160 47.9 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

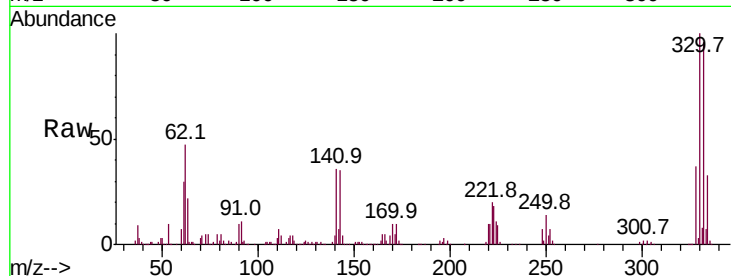




#42
 2,4,6-Tribromophenol
 Concen: 156.229 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044023.D
 Acq: 13 Jan 2020 22:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.2	115.8
141	38.6	33.1	49.7

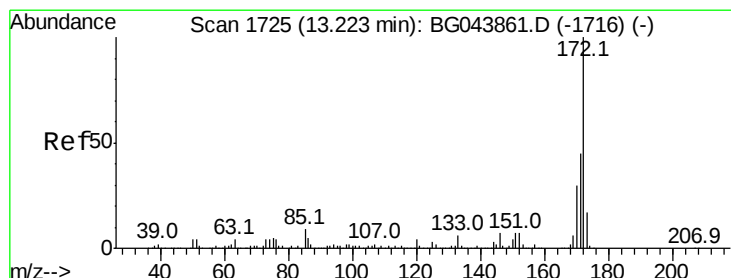
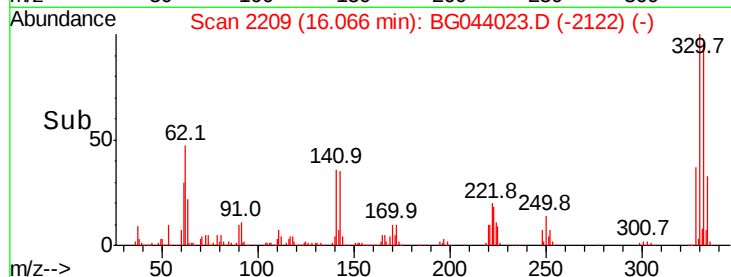
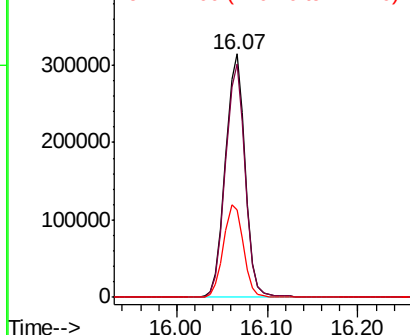


Abundance

Ion 329.80 (329.50 to 330.50): E

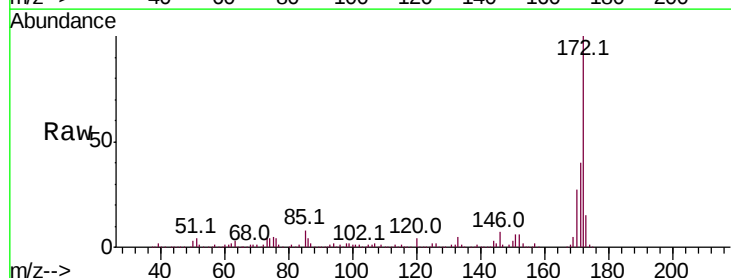
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 91.889 ng
 RT: 13.20 min Scan# 1721
 Delta R.T. -0.02 min
 Lab File: BG044023.D
 Acq: 13 Jan 2020 22:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	40.3	35.8	53.8
170	27.3	24.2	36.4

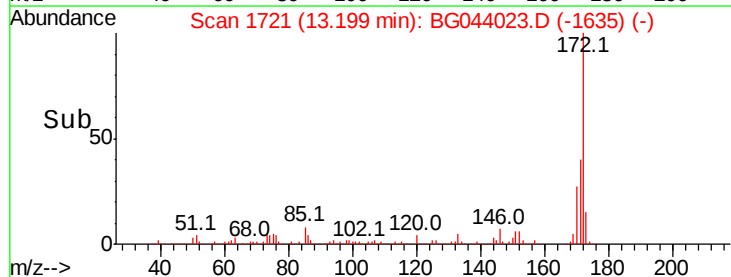
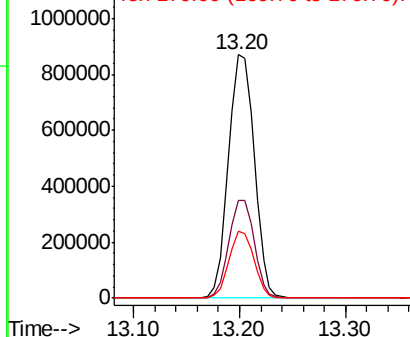


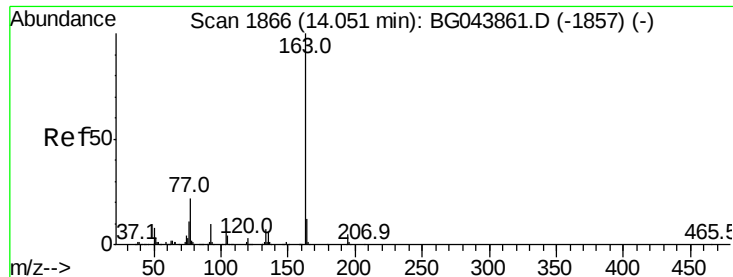
Abundance

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: 9.484 ng

RT: 14.03 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

Instrument :

BNA_G

ClientSampleId :

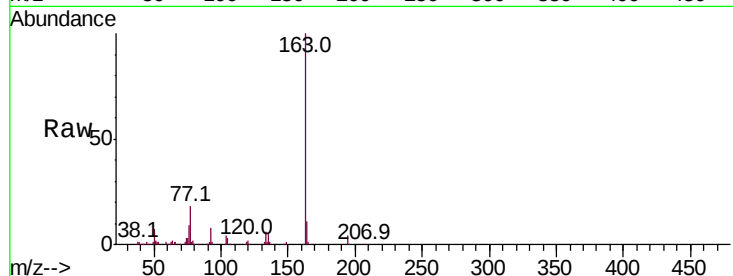
Tot Ion:163 Resp: 195445

Ion Ratio Lower Upper

163 100

194 3.8 3.7 5.5

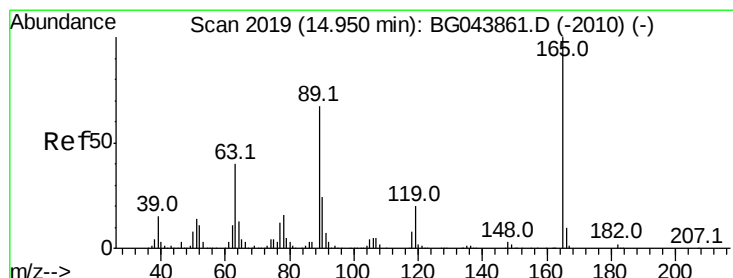
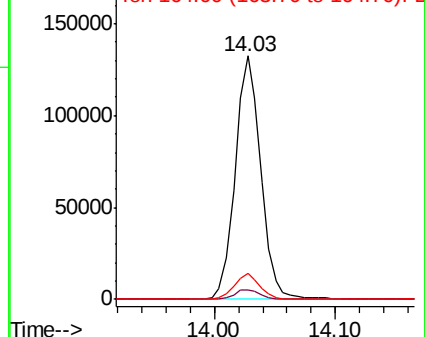
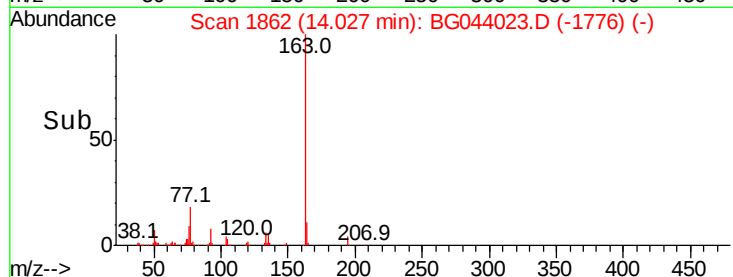
164 10.5 9.3 13.9



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: 6.017 ng

RT: 14.57 min Scan# 1955

Delta R.T. -0.38 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

Tgt Ion:165 Resp: 38140

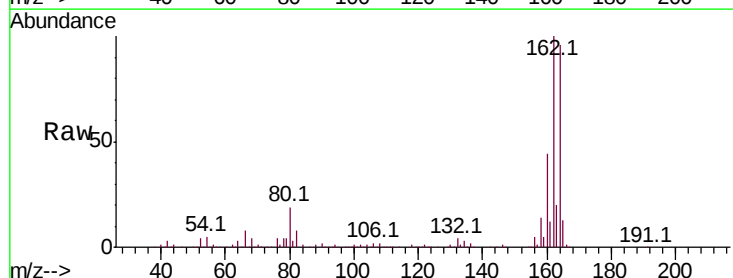
Ion Ratio Lower Upper

165 100

63 1.1 31.9 47.9#

89 0.0 53.8 80.6#

182 0.0 2.0 3.0#

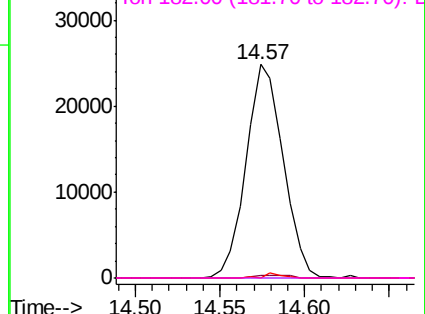
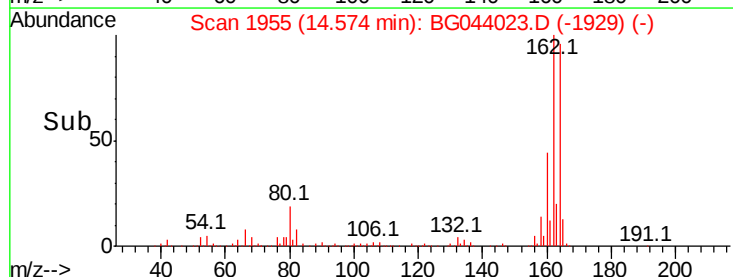


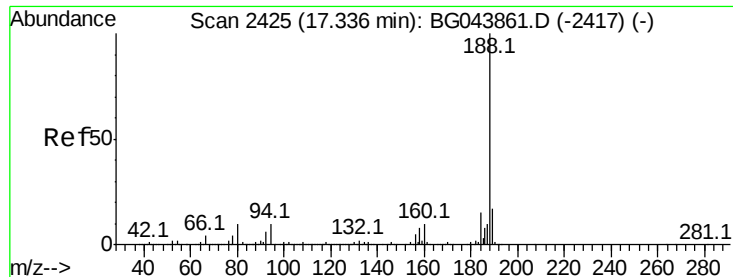
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.32 min Scan# 2422

Delta R.T. -0.02 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

Instrument :

BNA_G

ClientSampleId :

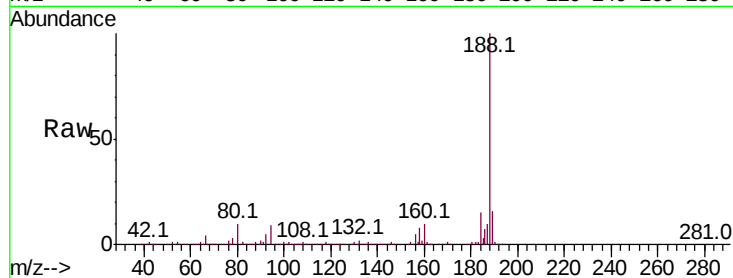
Tot Ion:188 Resp: 682453

Ion Ratio Lower Upper

188 100

94 9.3 7.9 11.9

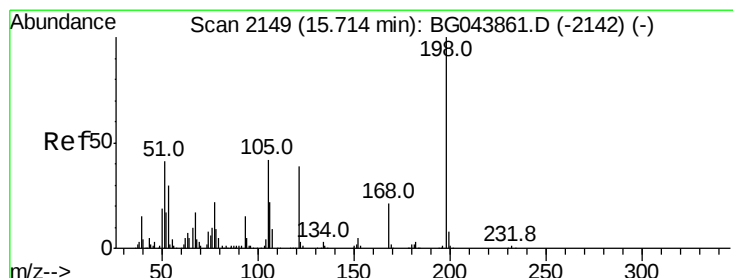
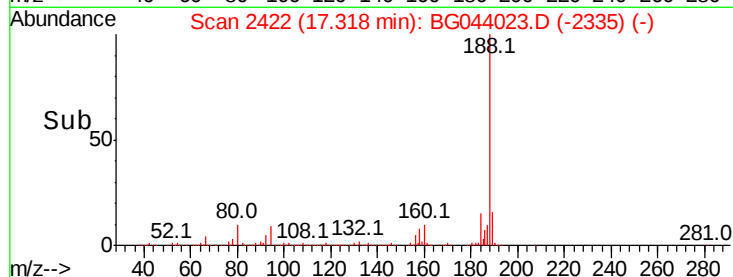
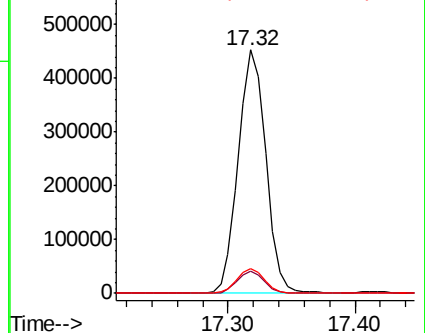
80 10.2 8.2 12.4



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: 4.803 ng

RT: 16.07 min Scan# 2209

Delta R.T. 0.35 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

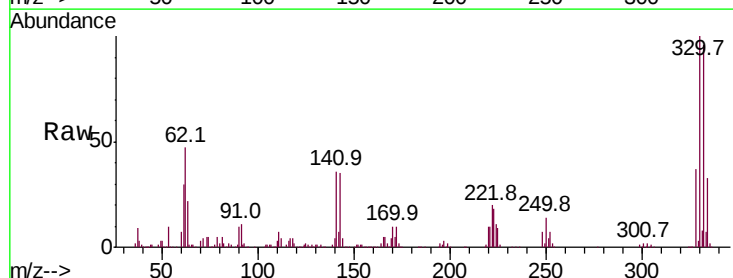
Tgt Ion:198 Resp: 1598

Ion Ratio Lower Upper

198 100

51 136.7 22.5 62.5#

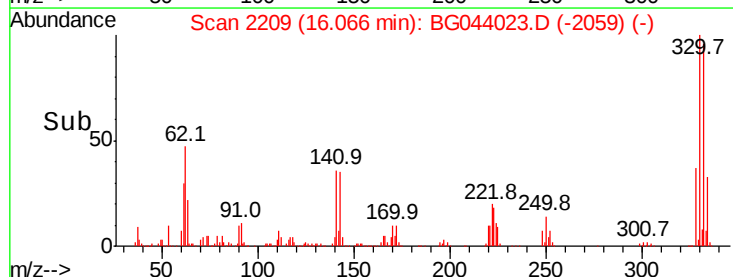
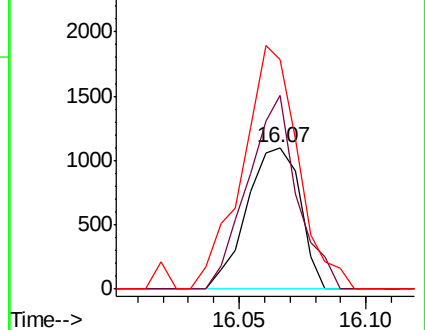
105 162.4 22.3 62.3#

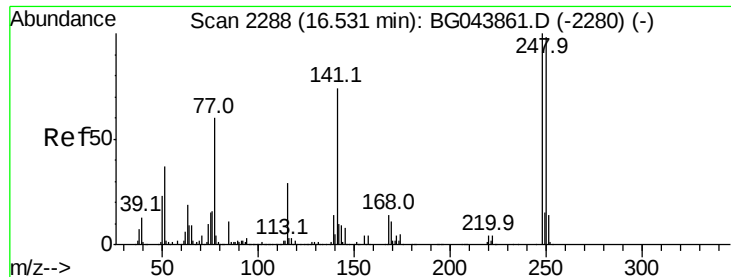


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

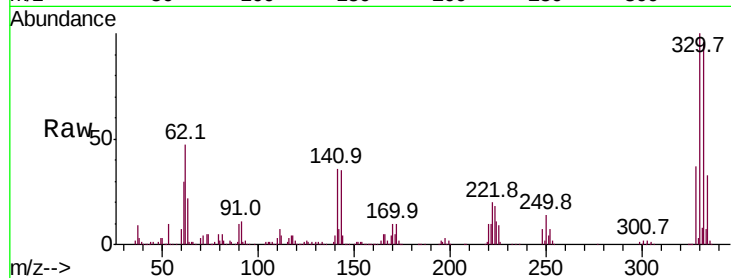




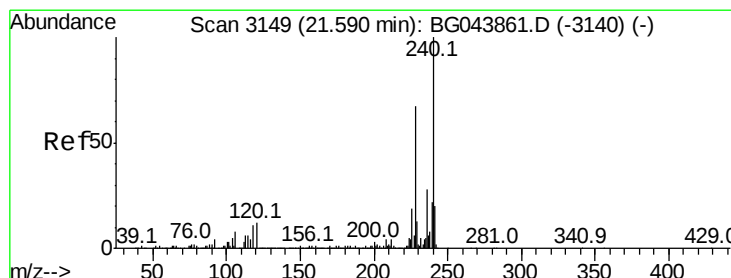
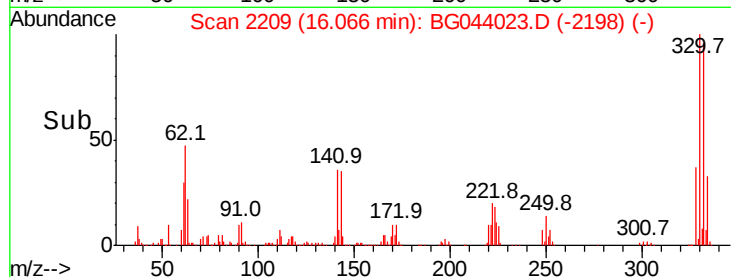
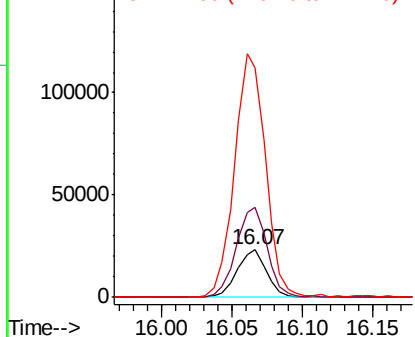
#67
4-Bromophenyl-phenylether
Concen: 4.428 ng
RT: 16.07 min Scan# 2209
Delta R.T. -0.46 min
Lab File: BG044023.D
Acq: 13 Jan 2020 22:18

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 33990
Ion Ratio Lower Upper
248 100
250 189.2 78.2 117.2#
141 485.1 59.3 88.9#

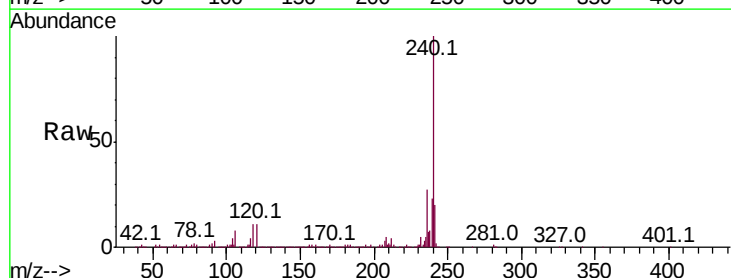


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

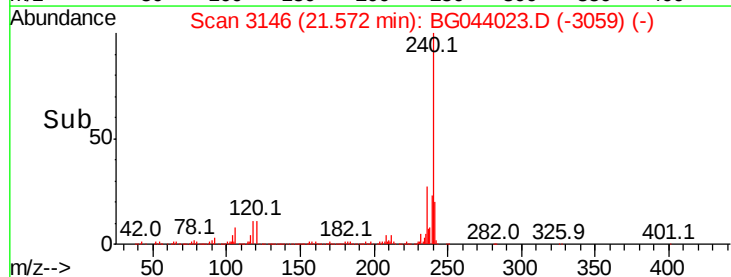
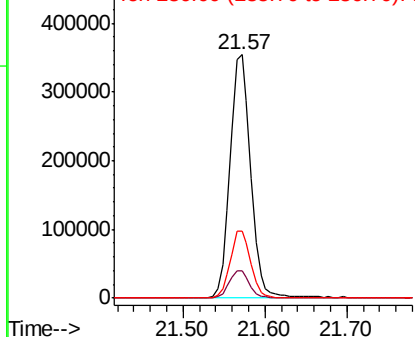


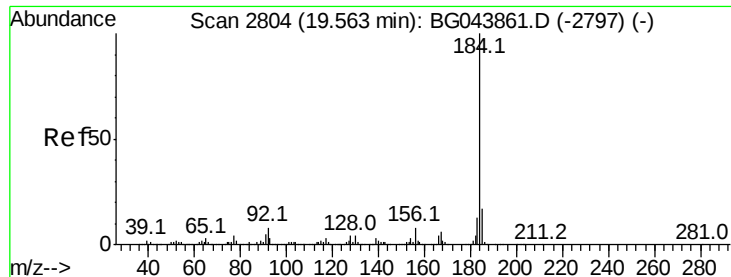
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG044023.D
Acq: 13 Jan 2020 22:18

Tgt Ion:240 Resp: 626468
Ion Ratio Lower Upper
240 100
120 11.4 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





#77

Benzidine

Concen: 2.912 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

Instrument :

BNA_G

ClientSampleId :

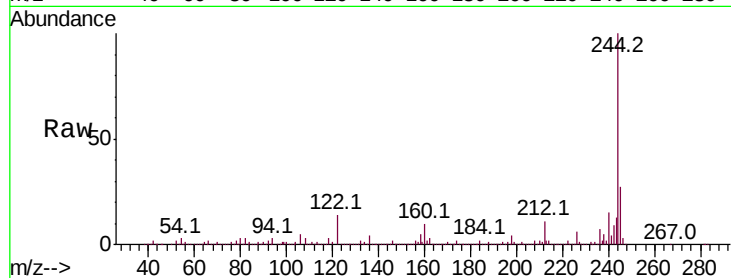
Tot Ion:184 Resp: 45853

Ion Ratio Lower Upper

184 100

185 15.4 13.4 20.0

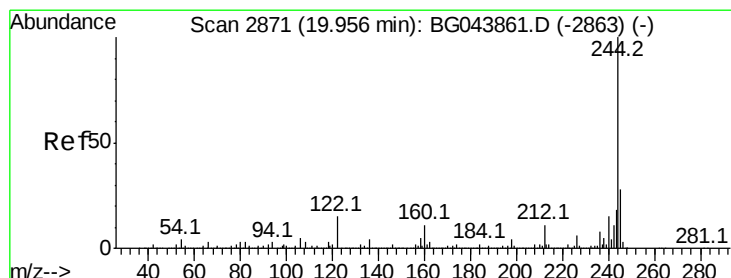
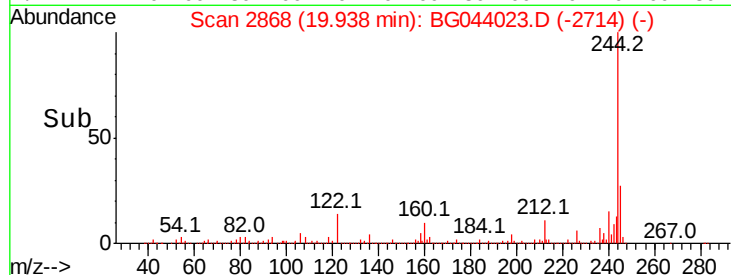
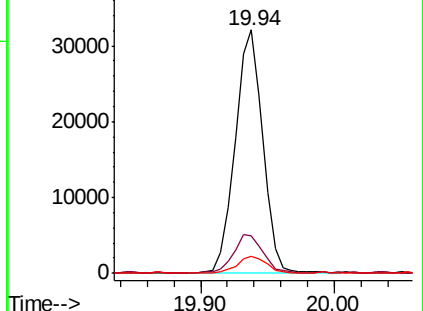
183 7.1 10.6 15.8#



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: 96.156 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044023.D

Acq: 13 Jan 2020 22:18

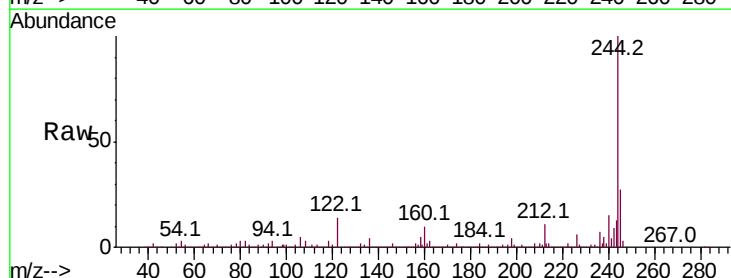
Tgt Ion:244 Resp: 2415460

Ion Ratio Lower Upper

244 100

212 10.6 8.6 13.0

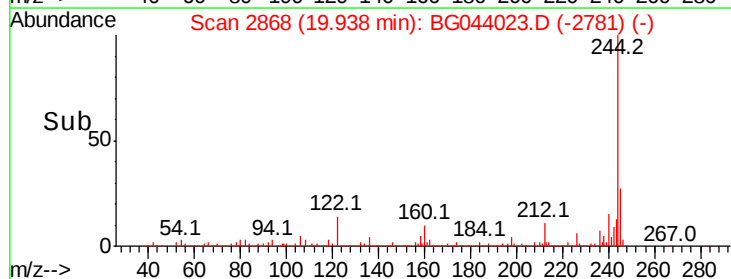
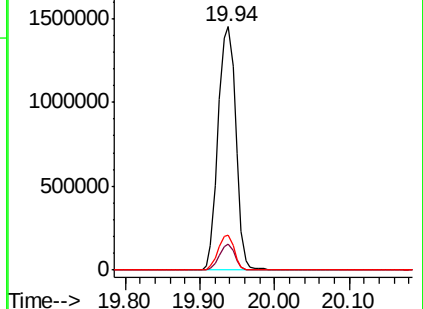
122 14.4 11.9 17.9

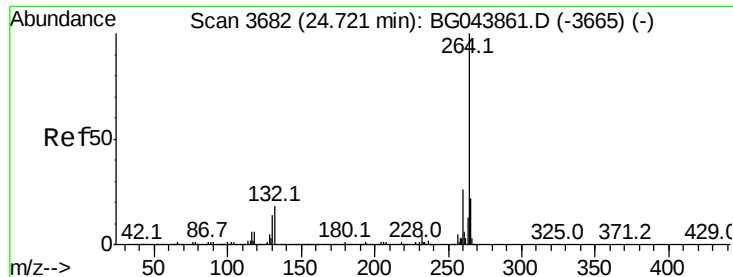


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

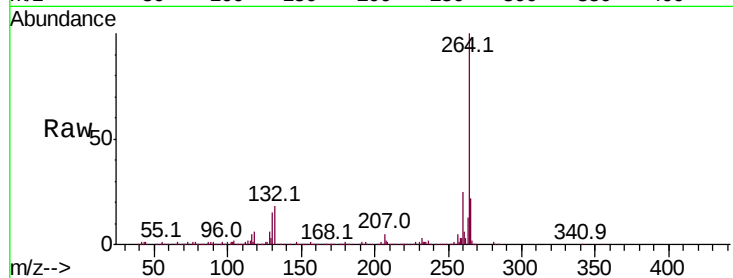




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.69 min Scan# 3677
 Delta R.T. -0.03 min
 Lab File: BG044023.D
 Acq: 13 Jan 2020 22:18

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.4	30.6
265	21.7	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

