

Data File : BG043995.D
Acq On : 9 Jan 2020 10:24
Operator : JU
Sample : L1048-04
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-D

Quant Time: Jan 10 02:03:45 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

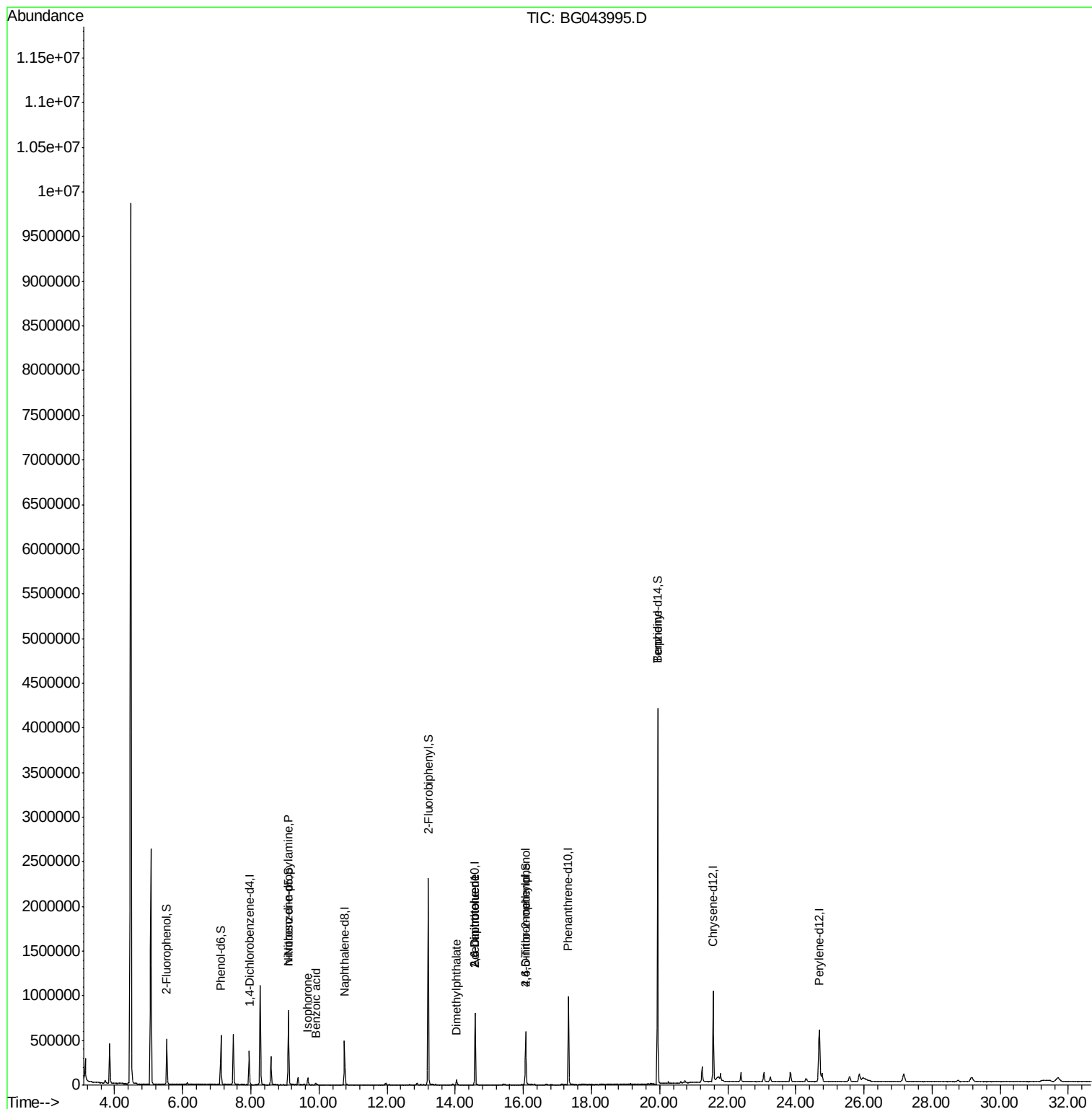
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	113175	20.00	ng	-0.02
21) Naphthalene-d8	10.75	136	445704	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	291228	20.00	ng	-0.02
64) Phenanthrene-d10	17.32	188	642459	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	568058	20.00	ng	-0.02
87) Perylene-d12	24.69	264	622818	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	251901	40.87	ng	0.00
7) Phenol-d6	7.12	99	361880	42.00	ng	0.00
23) Nitrobenzene-d5	9.10	82	527283	63.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	112627	36.96	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1222194	76.03	ng	-0.02
79) Terphenyl-d14	19.94	244	1875720	77.81	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	68997	10.753	ng	# 76
25) Isophorone	9.67	82	67517	4.319	ng	# 97
32) Benzoic acid	9.90	122	158	6.291	ng	# 21
50) Dimethylphthalate	14.04	163	45483	2.200	ng	# 95
51) 2,6-Dinitrotoluene	14.58	165	37991	8.129	ng	# 28
57) 2,4-Dinitrotoluene	14.58	165	37991	5.974	ng	# 28
65) 4,6-Dinitro-2-methylphenol	16.06	198	360	4.489	ng	# 1
77) Benzidine	19.94	184	33244	2.328	ng	# 90

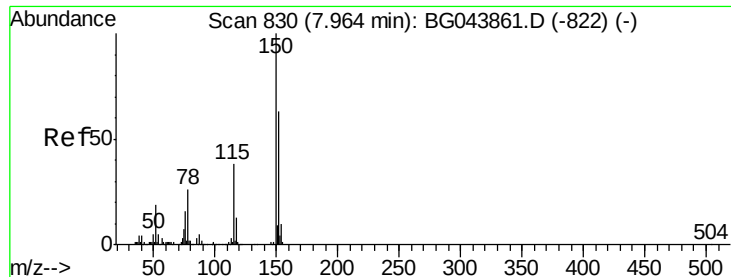
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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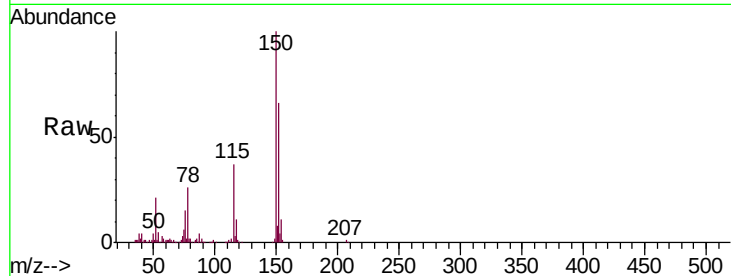


#1

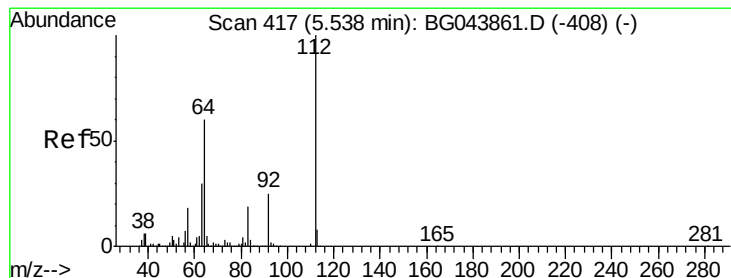
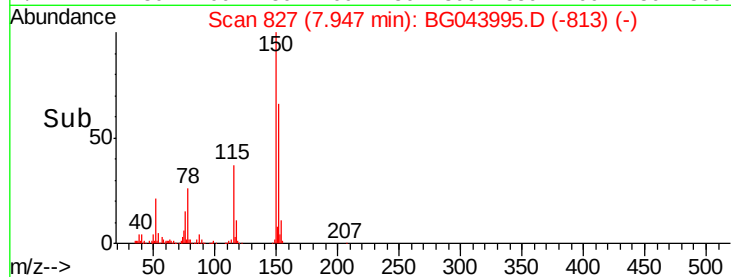
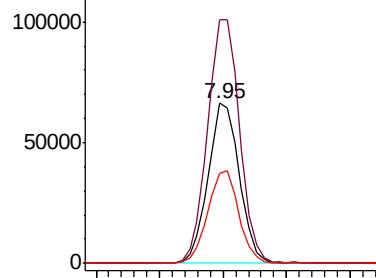
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BG043995.D
Acq: 9 Jan 2020 10:24

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-D

Tgt Ion	Ratio	Lower	Upper
152	100		
150	151.9	127.0	190.4
115	56.5	47.8	71.8



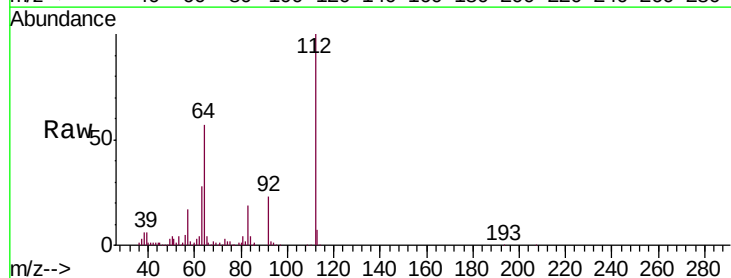
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



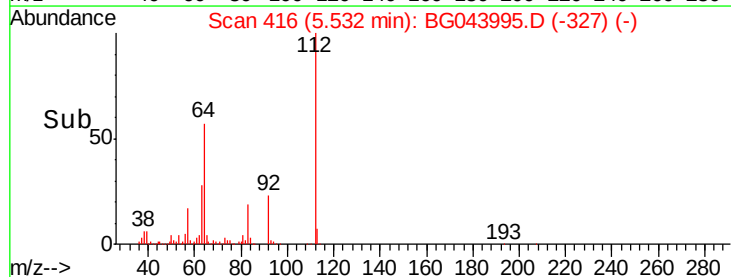
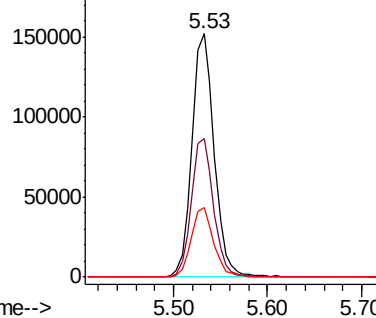
#5

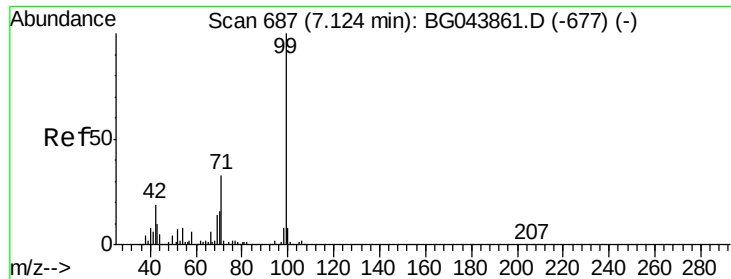
2-Fluorophenol
Concen: 40.868 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG043995.D
Acq: 9 Jan 2020 10:24

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	47.8	71.6
63	28.5	24.3	36.5



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: 42.001 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG043995.D

Acq: 9 Jan 2020 10:24

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-D

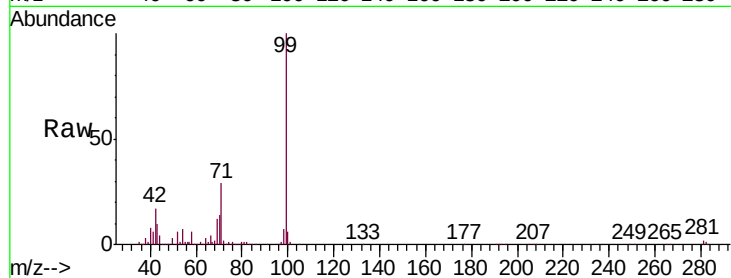
Tgt Ion: 99 Resp: 361880

Ion Ratio Lower Upper

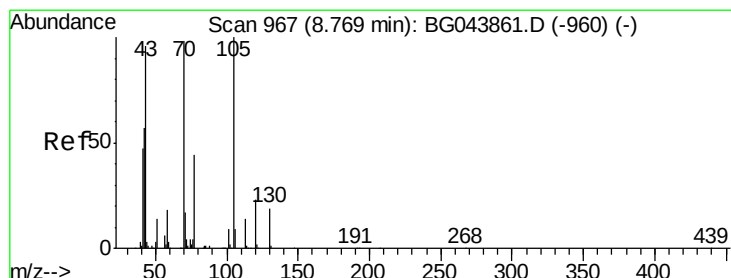
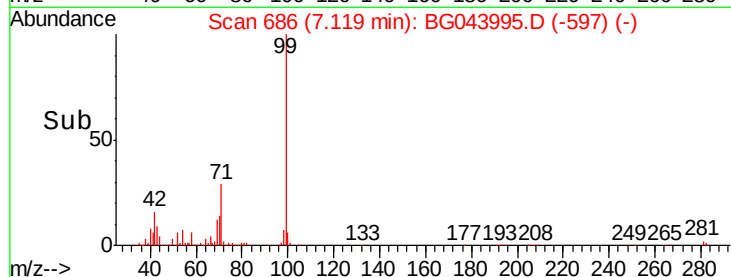
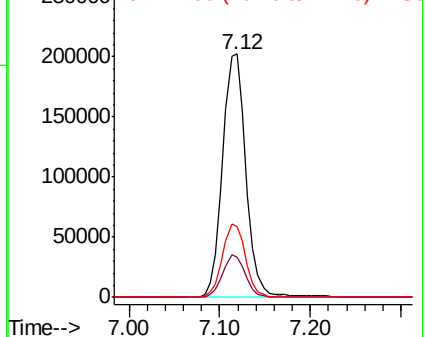
99 100

42 16.5 14.9 22.3

71 28.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 10.753 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG043995.D

Acq: 9 Jan 2020 10:24

Tgt Ion: 70 Resp: 68997

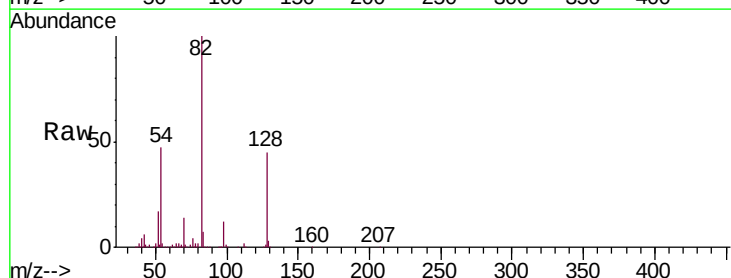
Ion Ratio Lower Upper

70 100

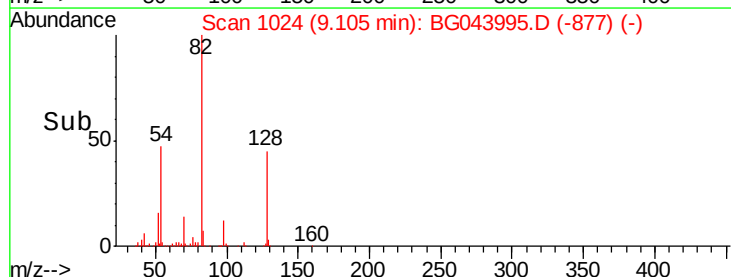
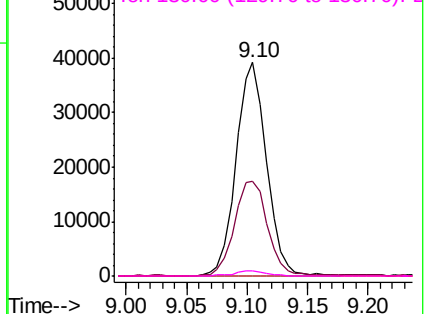
42 44.6 47.0 70.4#

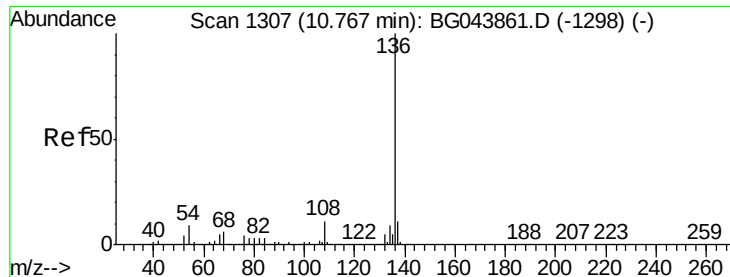
101 0.0 7.2 10.8#

130 2.6 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

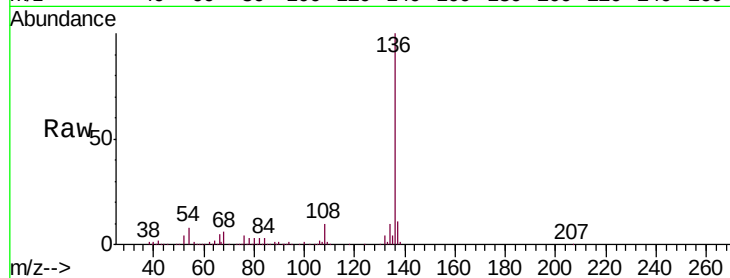




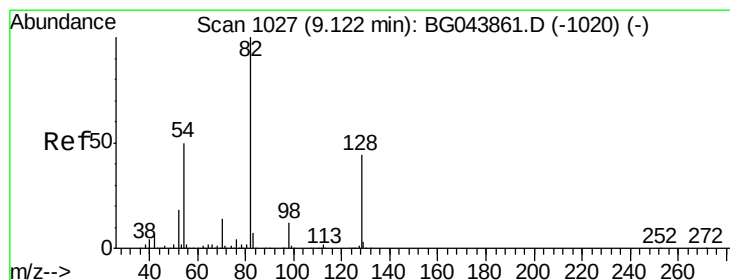
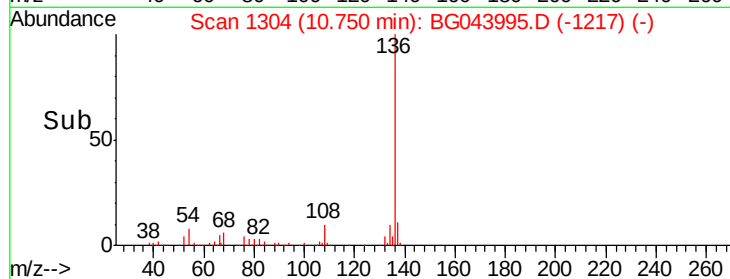
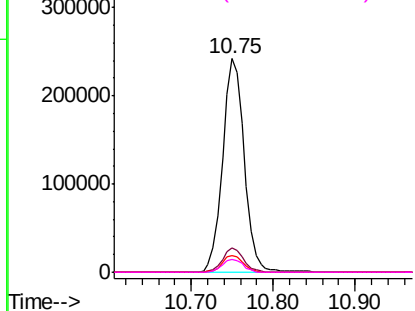
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG043995.D
Acq: 9 Jan 2020 10:24

Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-D

Tgt Ion:	136	Resp:	445704
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.8	13.2
54	7.8	7.0	10.4
68	6.2	4.9	7.3

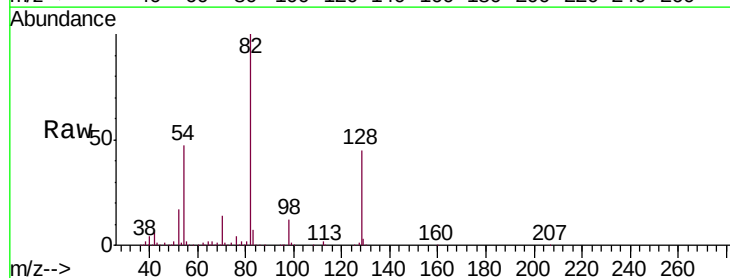


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

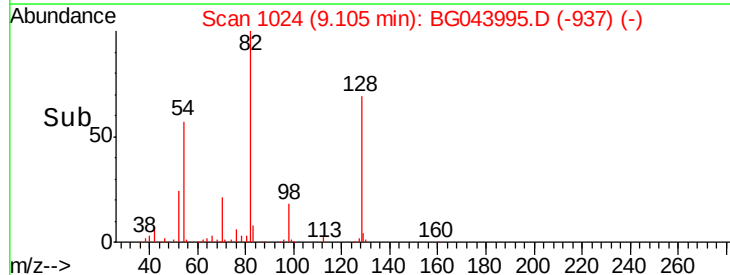
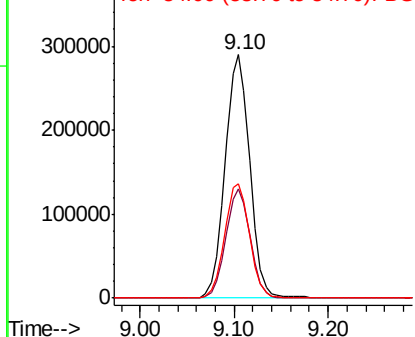


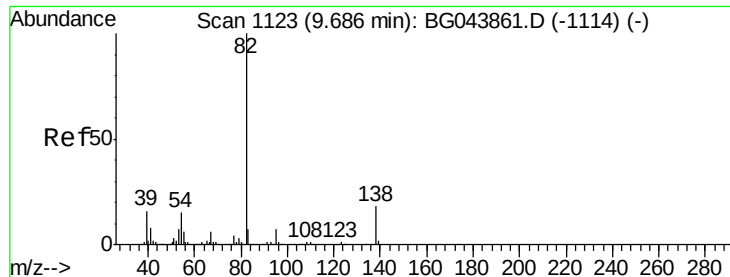
#23
Nitrobenzene-d5
Concen: 63.287 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG043995.D
Acq: 9 Jan 2020 10:24

Tgt Ion:	82	Resp:	527283
Ion	Ratio	Lower	Upper
82	100		
128	45.0	35.1	52.7
54	47.2	40.1	60.1



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





#25

Isophorone

Concen: 4.319 ng

RT: 9.67 min Scan# 1120

Delta R.T. -0.02 min

Lab File: BG043995.D

Acq: 9 Jan 2020 10:24

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-D

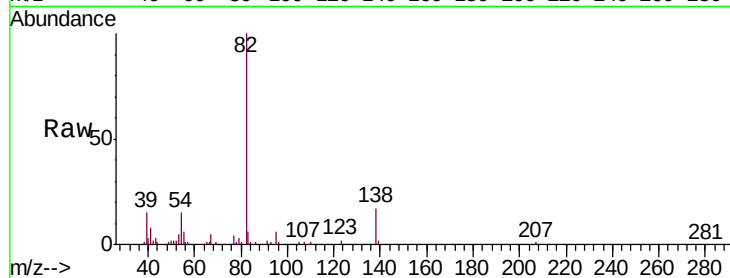
Tgt Ion: 82 Resp: 67517

Ion Ratio Lower Upper

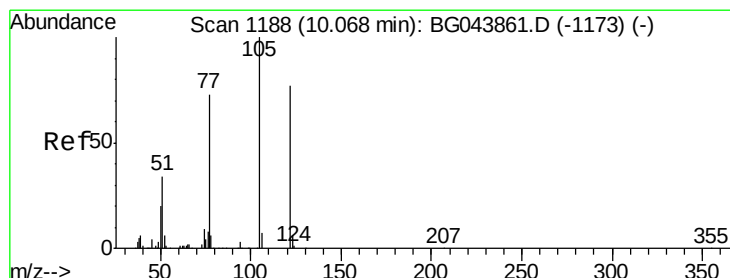
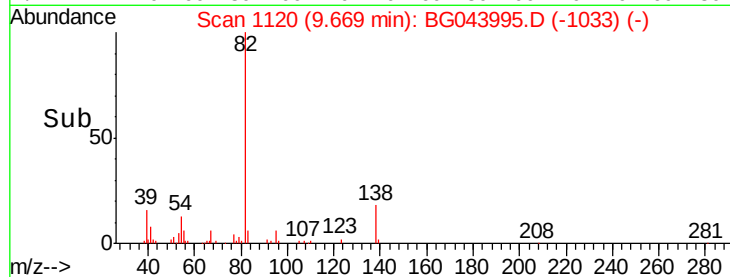
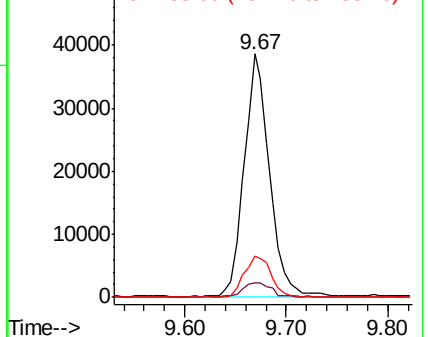
82 100

95 6.0 5.8 8.6

138 16.8 14.6 22.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 95.00 (94.70 to 95.70): BGC
Ion 138.00 (137.70 to 138.70): BGC



#32

Benzoic acid

Concen: 6.291 ng

RT: 9.90 min Scan# 1160

Delta R.T. -0.16 min

Lab File: BG043995.D

Acq: 9 Jan 2020 10:24

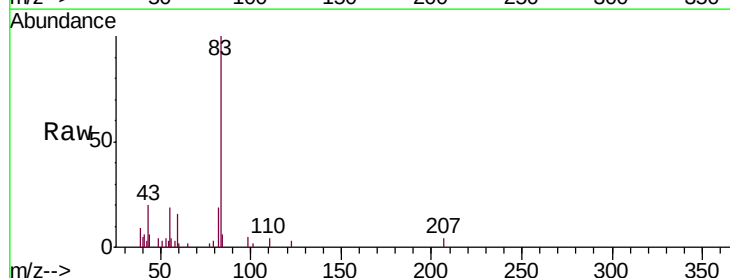
Tgt Ion: 122 Resp: 158

Ion Ratio Lower Upper

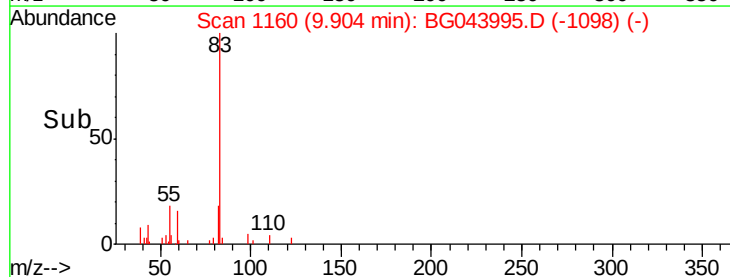
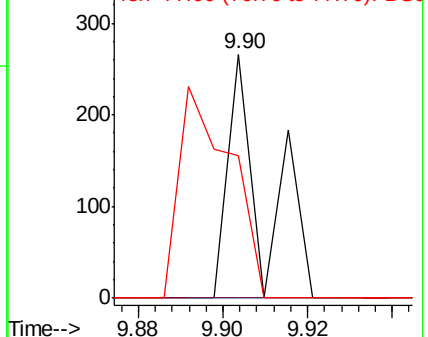
122 100

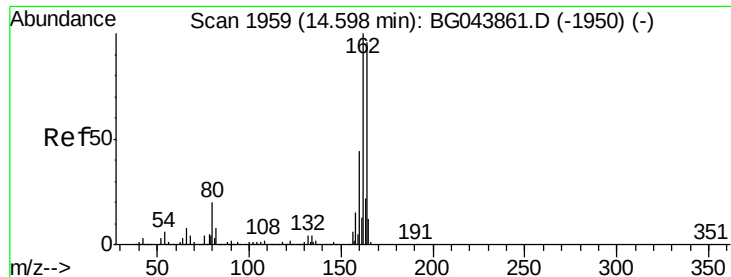
105 0.0 106.4 146.4#

77 58.3 74.6 114.6#



Abundance Ion 122.00 (121.70 to 122.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BG043995.D

Acq: 9 Jan 2020 10:24

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-D

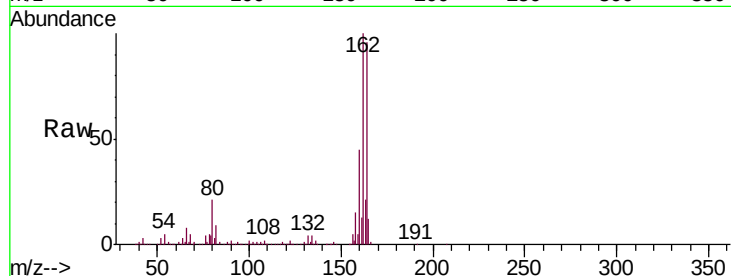
Tgt Ion:164 Resp: 291228

Ion Ratio Lower Upper

164 100

162 103.9 83.0 124.4

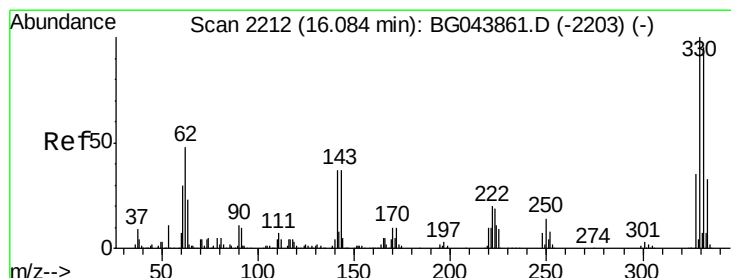
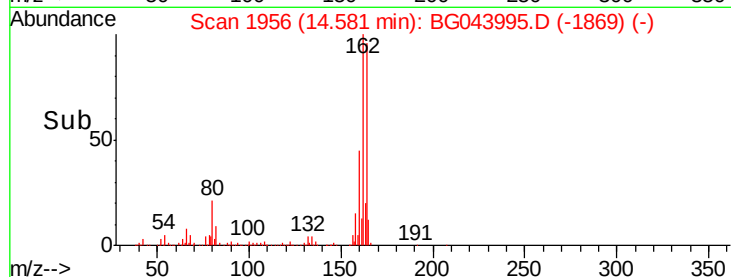
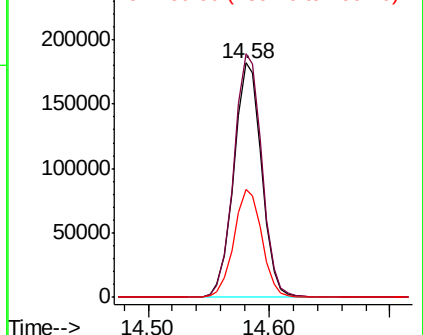
160 46.3 36.1 54.1



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 36.955 ng

RT: 16.07 min Scan# 2209

Delta R.T. -0.02 min

Lab File: BG043995.D

Acq: 9 Jan 2020 10:24

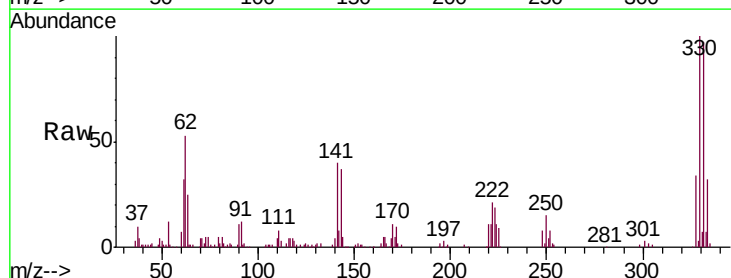
Tgt Ion:330 Resp: 112627

Ion Ratio Lower Upper

330 100

332 95.9 77.2 115.8

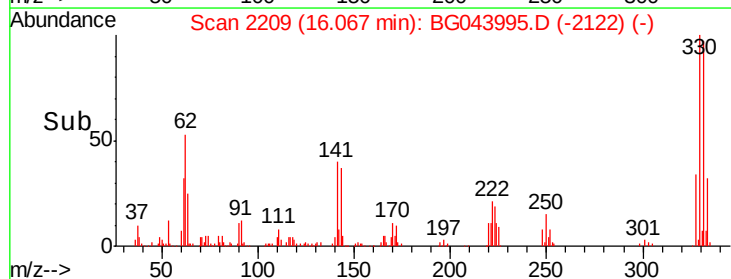
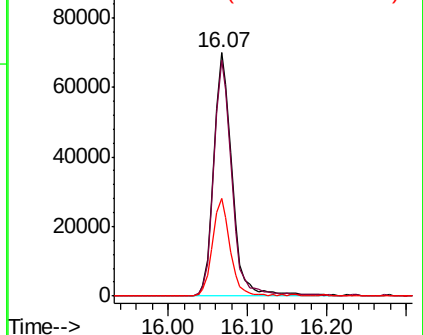
141 38.2 33.1 49.7

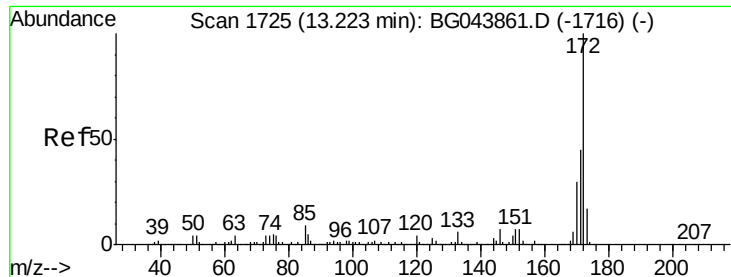


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

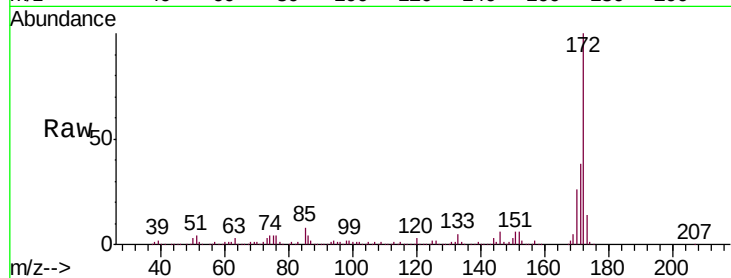




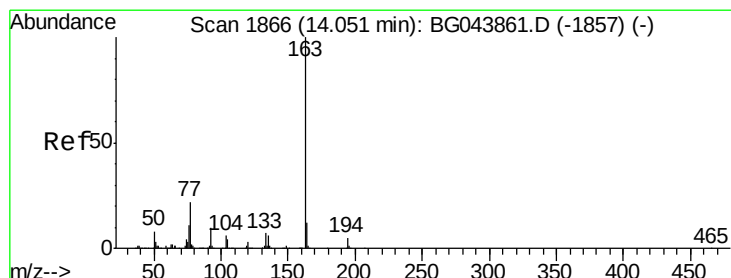
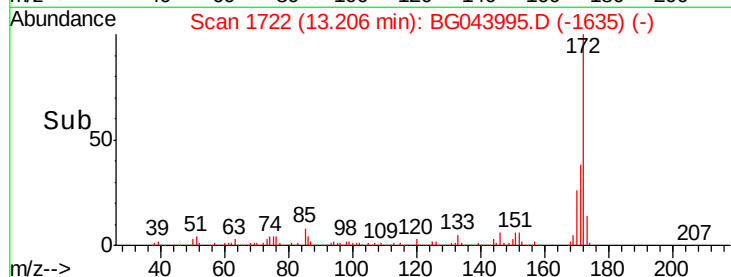
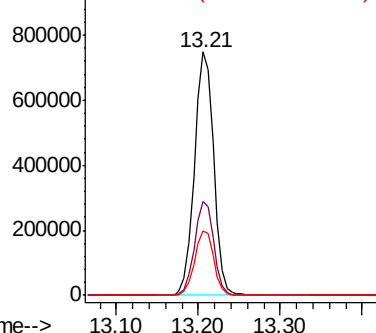
#45
 2-Fluorobiphenyl
 Concen: 76.034 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG043995.D
 Acq: 9 Jan 2020 10:24

Instrument :
 BNA_G
 ClientSampleId :
 FRONT-PIER-D

Tgt Ion:172 Resp: 1222194
 Ion Ratio Lower Upper
 172 100
 171 38.4 35.8 53.8
 170 26.4 24.2 36.4

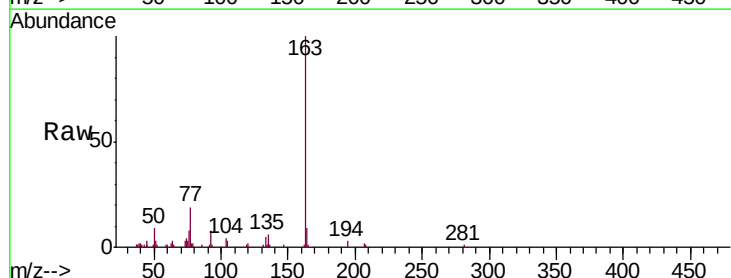


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

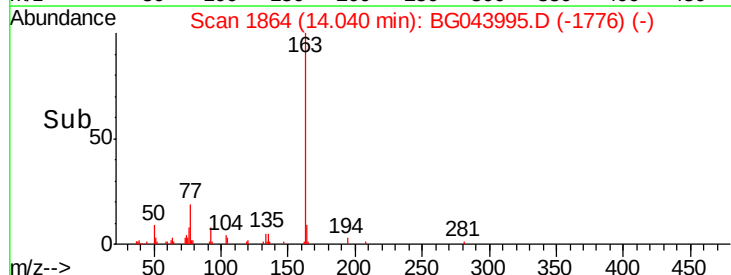
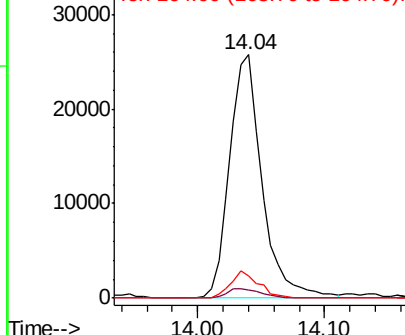


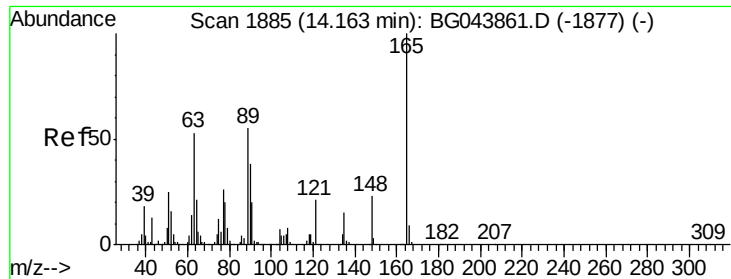
#50
 Dimethylphthalate
 Concen: 2.200 ng
 RT: 14.04 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BG043995.D
 Acq: 9 Jan 2020 10:24

Tgt Ion:163 Resp: 45483
 Ion Ratio Lower Upper
 163 100
 194 3.5 3.7 5.5#
 164 9.3 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

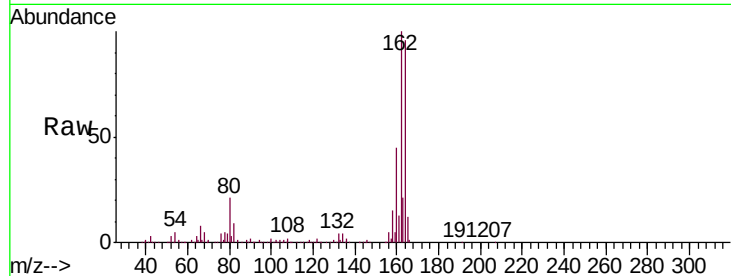




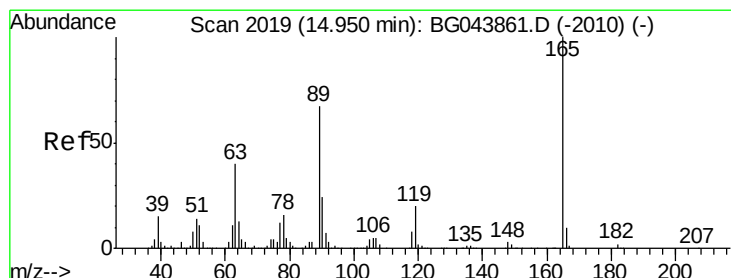
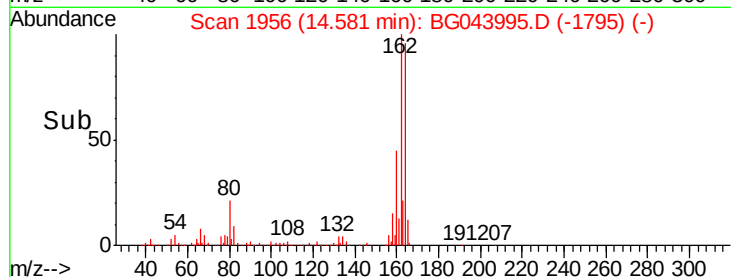
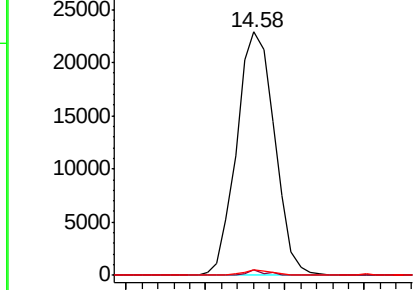
#51
 2,6-Dinitrotoluene
 Concen: 8.129 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. 0.42 min
 Lab File: BG043995.D
 Acq: 9 Jan 2020 10:24

Instrument :
 BNA_G
 ClientSampleId :
 FRONT-PIER-D

Tgt Ion:165 Resp: 37991
 Ion Ratio Lower Upper
 165 100
 63 2.3 43.1 64.7#
 89 2.2 43.8 65.6#

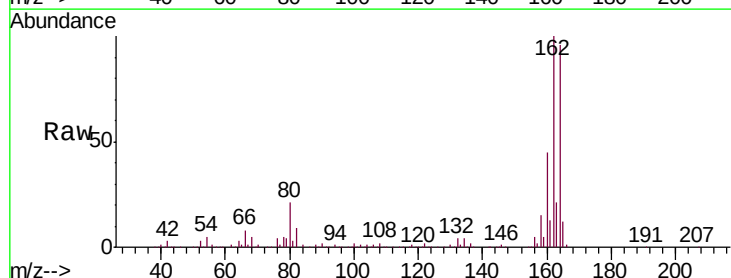


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

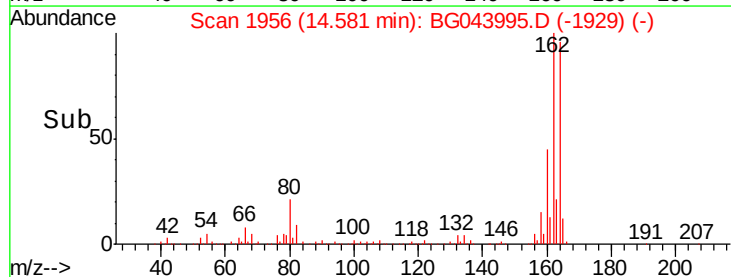
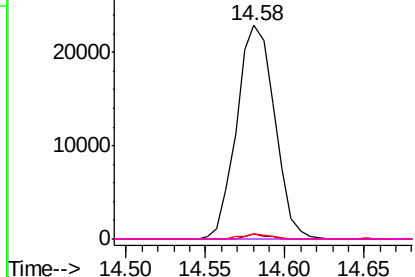


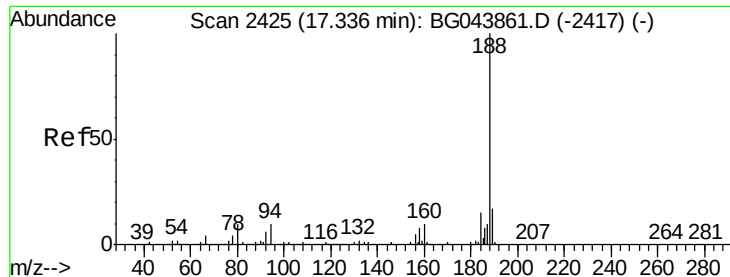
#57
 2,4-Dinitrotoluene
 Concen: 5.974 ng
 RT: 14.58 min Scan# 1956
 Delta R.T. -0.37 min
 Lab File: BG043995.D
 Acq: 9 Jan 2020 10:24

Tgt Ion:165 Resp: 37991
 Ion Ratio Lower Upper
 165 100
 63 2.3 31.9 47.9#
 89 2.2 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

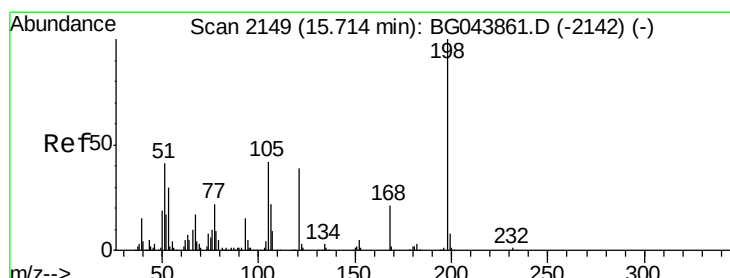
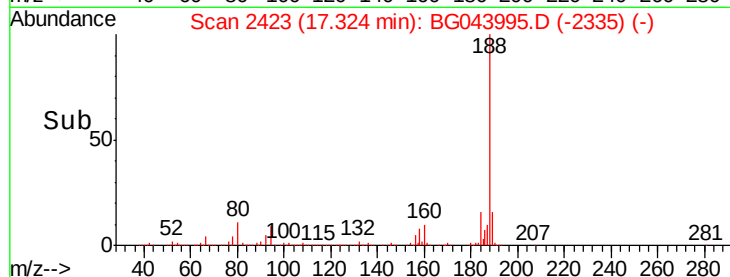
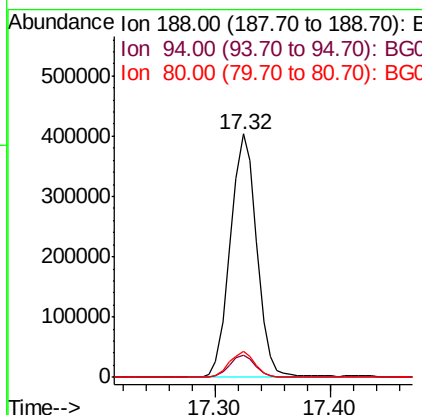
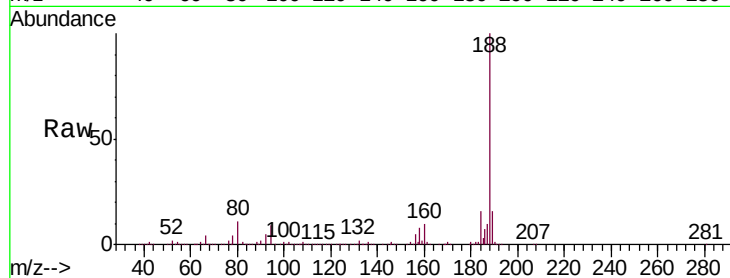




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.32 min Scan# 2423
 Delta R.T. -0.01 min
 Lab File: BG043995.D
 Acq: 9 Jan 2020 10:24

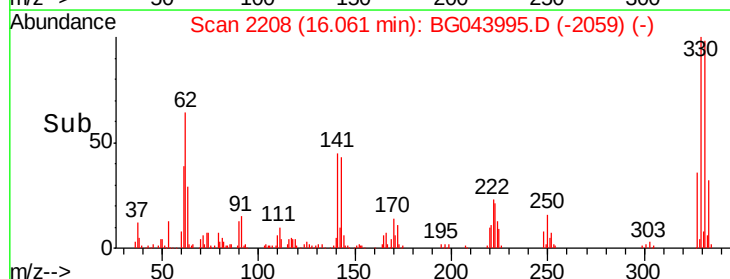
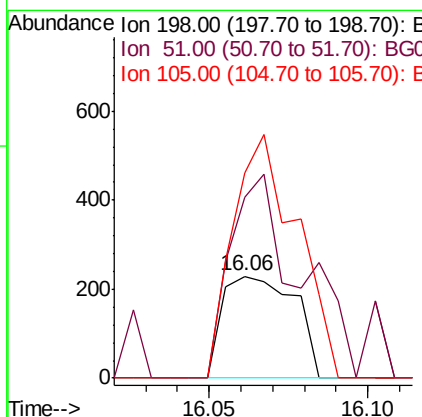
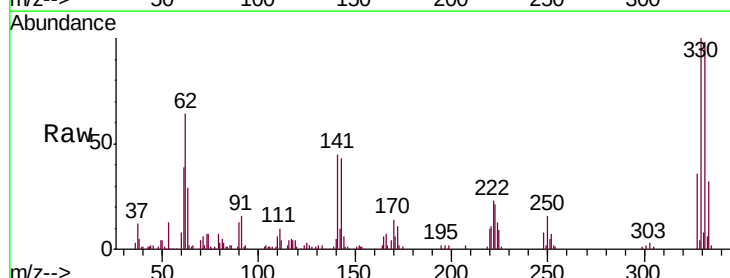
Instrument :
 BNA_G
 ClientSampleId :
 FRONT-PIER-D

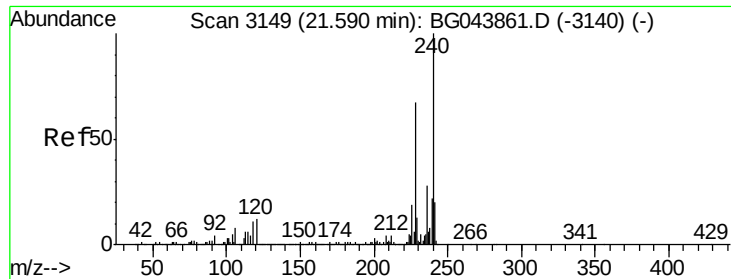
Tgt Ion:188 Resp: 642459
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.9 11.9
 80 10.7 8.2 12.4



#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.489 ng
 RT: 16.06 min Scan# 2208
 Delta R.T. 0.35 min
 Lab File: BG043995.D
 Acq: 9 Jan 2020 10:24

Tgt Ion:198 Resp: 360
 Ion Ratio Lower Upper
 198 100
 51 177.7 22.5 62.5#
 105 201.7 22.3 62.3#

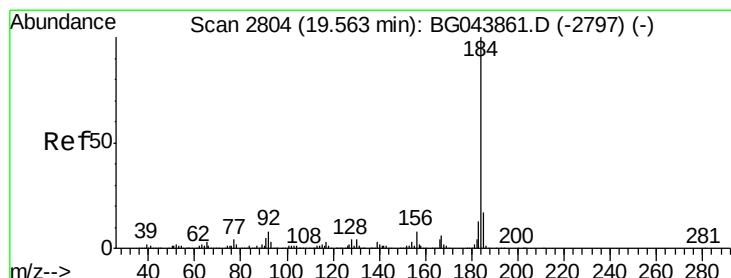
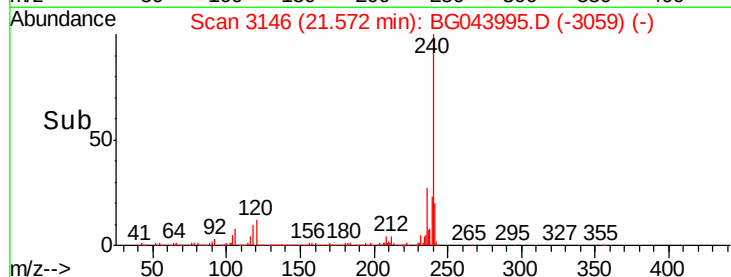
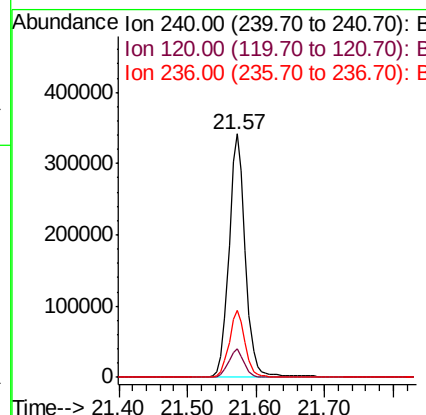
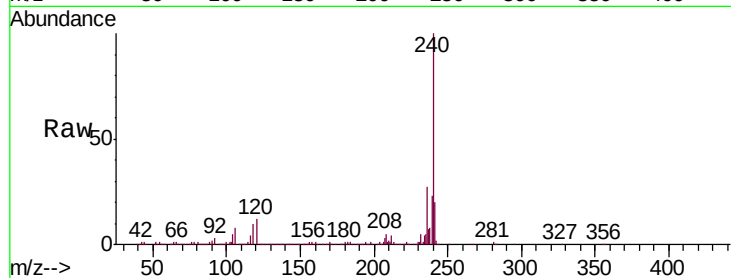




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.57 min Scan# 3146
Delta R.T. -0.02 min
Lab File: BG043995.D
Acq: 9 Jan 2020 10:24

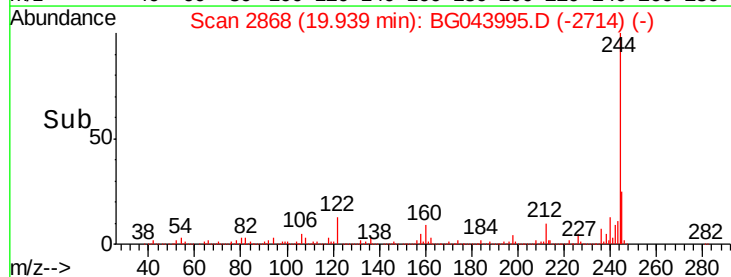
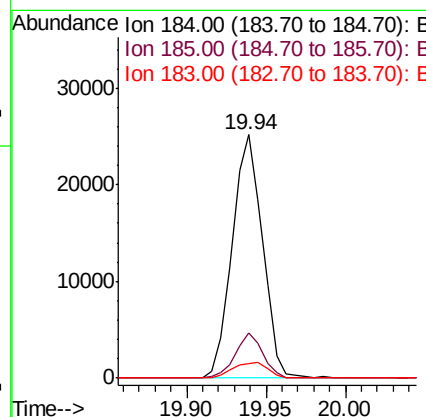
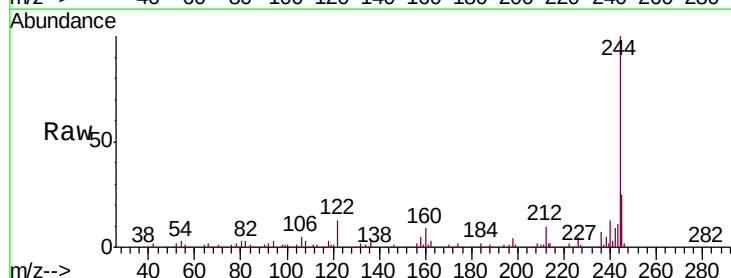
Instrument :
BNA_G
ClientSampleId :
FRONT-PIER-D

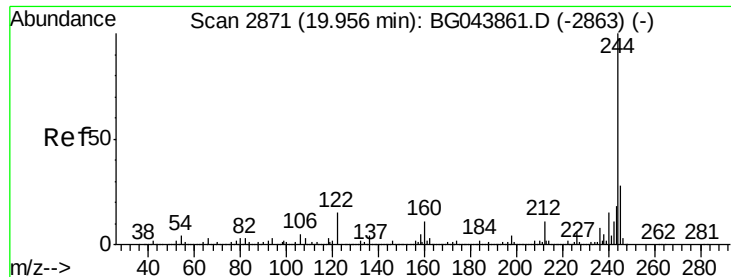
Tgt Ion:240 Resp: 568058
Ion Ratio Lower Upper
240 100
120 11.8 9.6 14.4
236 27.5 22.2 33.2



#77
Benzidine
Concen: 2.328 ng
RT: 19.94 min Scan# 2868
Delta R.T. 0.38 min
Lab File: BG043995.D
Acq: 9 Jan 2020 10:24

Tgt Ion:184 Resp: 33244
Ion Ratio Lower Upper
184 100
185 18.4 13.4 20.0
183 5.8 10.6 15.8#





#79

Terphenyl-d14

Concen: 77.812 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG043995.D

Acq: 9 Jan 2020 10:24

Instrument :

BNA_G

ClientSampleId :

FRONT-PIER-D

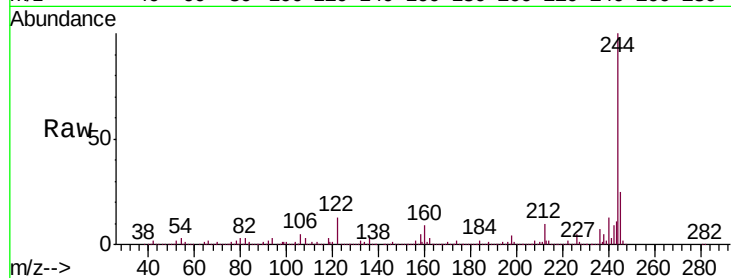
Tgt Ion:244 Resp: 1875720

Ion Ratio Lower Upper

244 100

212 9.6 8.6 13.0

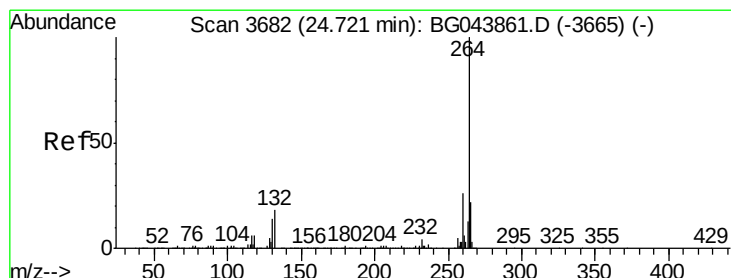
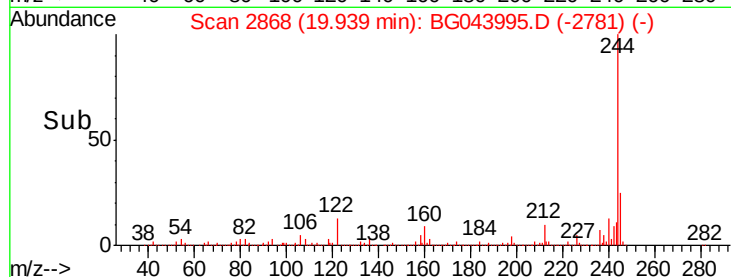
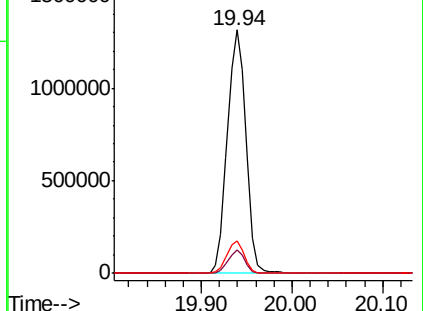
122 13.4 11.9 17.9



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

Perylene-d12

Concen: 20.000 ng

RT: 24.69 min Scan# 3676

Delta R.T. -0.03 min

Lab File: BG043995.D

Acq: 9 Jan 2020 10:24

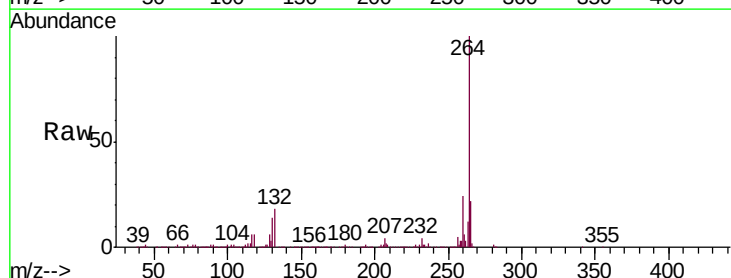
Tgt Ion:264 Resp: 622818

Ion Ratio Lower Upper

264 100

260 24.5 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

