

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
 Data File : BG045888.D
 Acq On : 30 Jun 2020 17:25
 Operator : CG/JU
 Sample : L3153-07
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP1-C

Quant Time: Jun 30 18:18:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 16:34:40 2020
 Response via : Initial Calibration

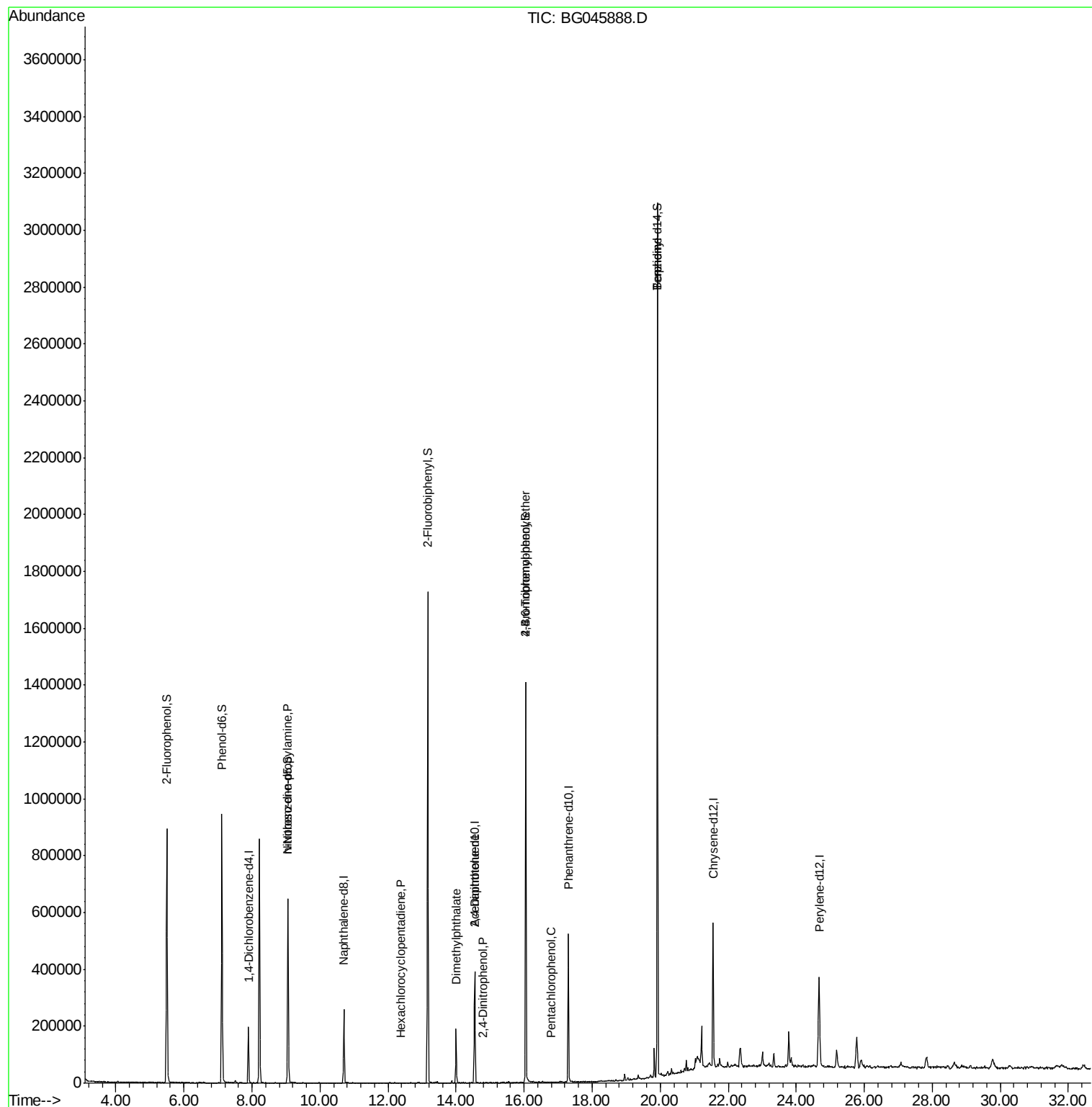
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	60349	20.00	ng	0.00
21) Naphthalene-d8	10.70	136	221658	20.00	ng	0.00
39) Acenaphthene-d10	14.55	164	150840	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	329455	20.00	ng	0.00
76) Chrysene-d12	21.56	240	314830	20.00	ng	0.00
86) Perylene-d12	24.67	264	325897	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	433604	121.37	ng	0.00
7) Phenol-d6	7.12	99	625128	115.04	ng	0.00
23) Nitrobenzene-d5	9.06	82	442935	91.29	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	285867	125.53	ng	0.00
45) 2-Fluorobiphenyl	13.17	172	948510	92.41	ng	0.00
79) Terphenyl-d14	19.92	244	1479050	95.21	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.06	70	62268	17.429	ng	# 80
41) Hexachlorocyclopentadiene	12.37	237	68	8.441	ng	# 28
50) Dimethylphthalate	14.00	163	131580	11.135	ng	# 98
54) 2,4-Dinitrophenol	14.77	184	54	9.857	ng	# 14
57) 2,4-Dinitrotoluene	14.54	165	20454	5.379	ng	# 22
67) 4-Bromophenyl-phenylether	16.05	248	19777	4.620	ng	# 1
70) Pentachlorophenol	16.80	266	90	7.670	ng	# 19
77) Benzidine	19.92	184	27537	3.364	ng	# 92

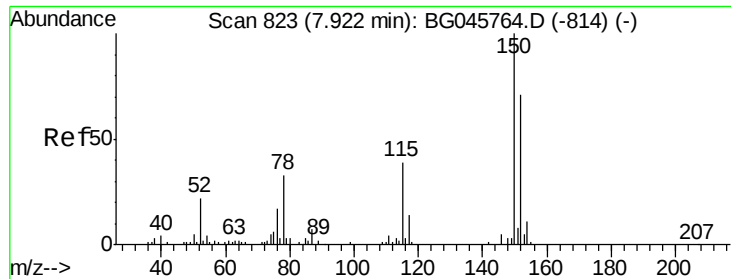
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG063020\
Data File : BG045888.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SP1-C

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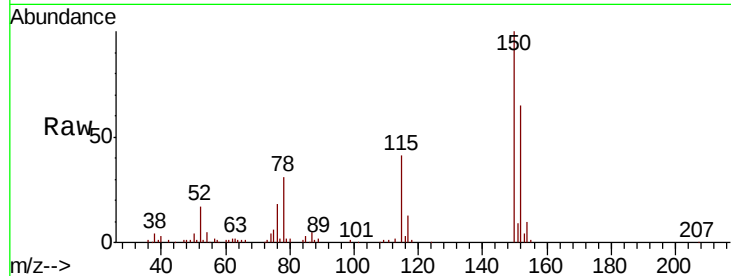


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.90 min Scan# 819
Delta R.T. 0.01 min
Lab File: BG045888.D
Acq: 30 Jun 2020 17:25

Instrument :
BNA_G
ClientSampleId :
SP1-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	121.2	181.8
115	62.9	47.5	71.3

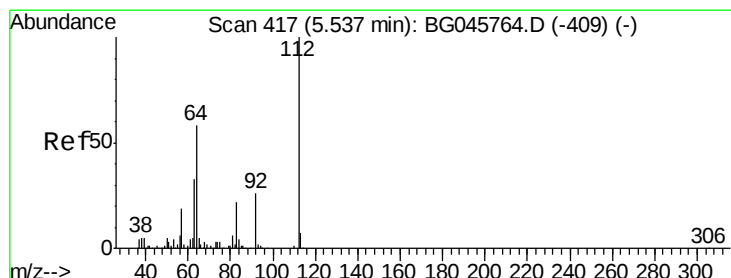
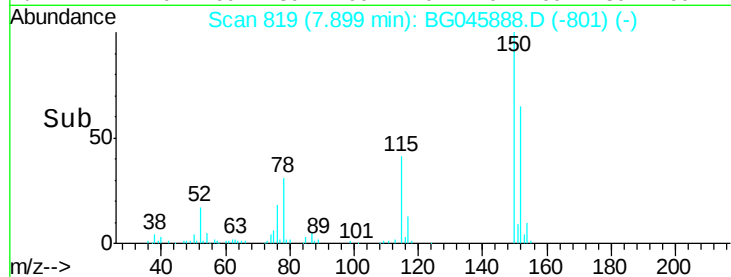
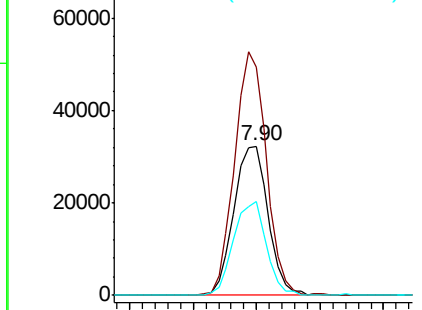


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

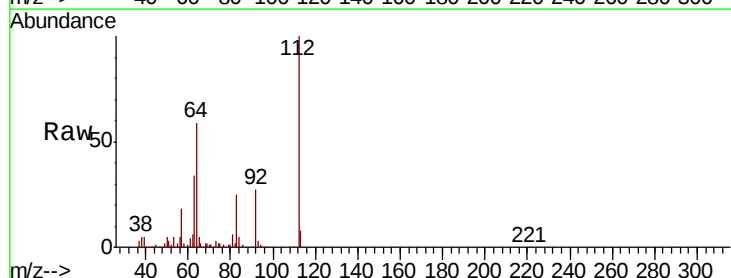
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 121.371 ng
RT: 5.50 min Scan# 410
Delta R.T. 0.01 min
Lab File: BG045888.D
Acq: 30 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	48.5	72.7
63	33.8	26.5	39.7

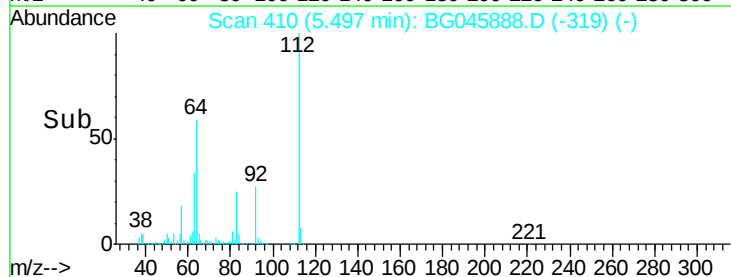
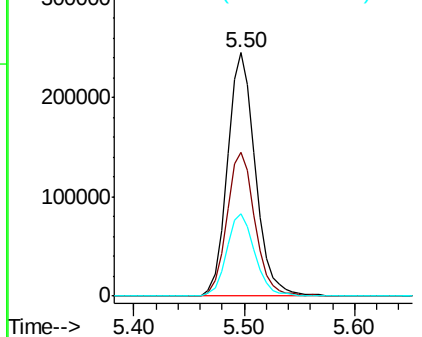


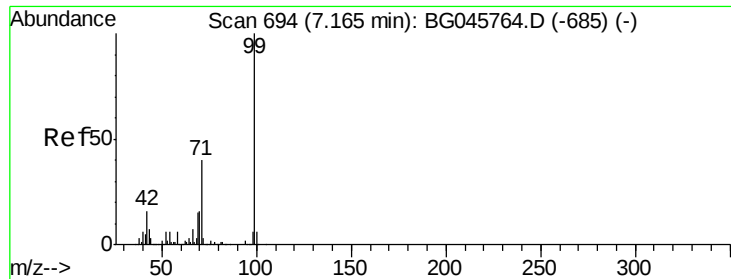
Abundance

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: 115.036 ng

RT: 7.12 min Scan# 686

Delta R.T. 0.01 min

Lab File: BG045888.D

Acq: 30 Jun 2020 17:25

Instrument :

BNA_G

ClientSampled :

SP1-C

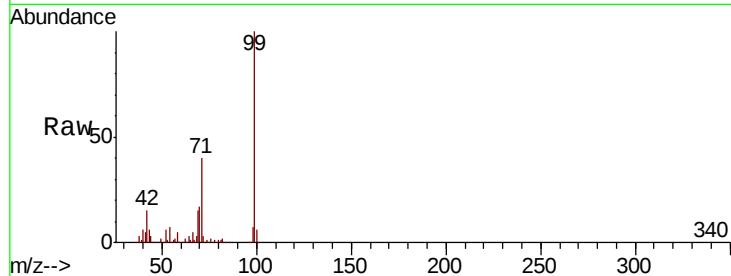
Tot Ion: 99 Resp: 625128

Ion Ratio Lower Upper

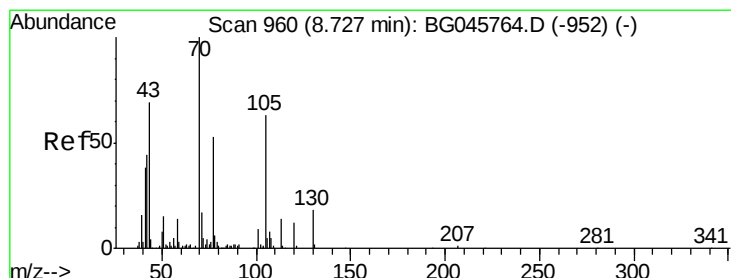
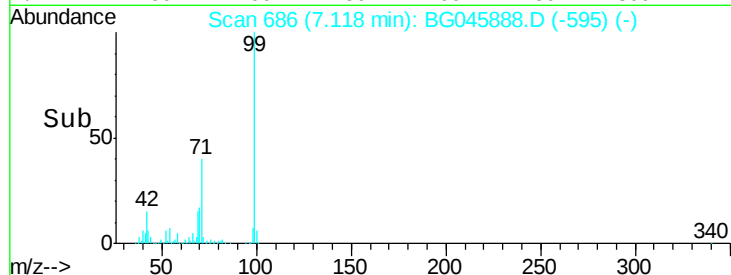
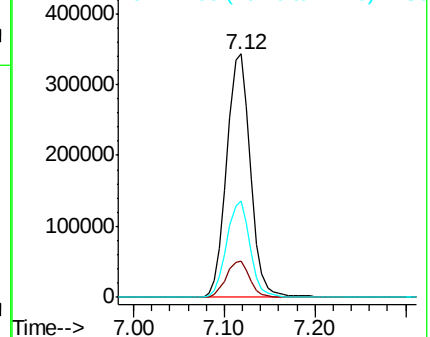
99 100

42 14.8 12.0 18.0

71 39.8 31.0 46.4



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: 17.429 ng

RT: 9.06 min Scan# 1016

Delta R.T. 0.35 min

Lab File: BG045888.D

Acq: 30 Jun 2020 17:25

Tgt Ion: 70 Resp: 62268

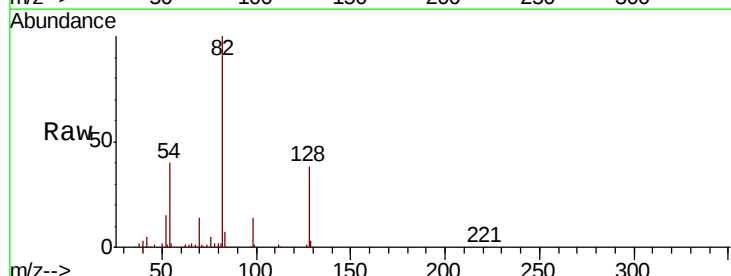
Ion Ratio Lower Upper

70 100

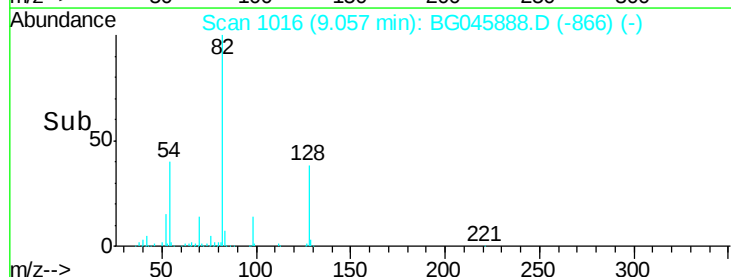
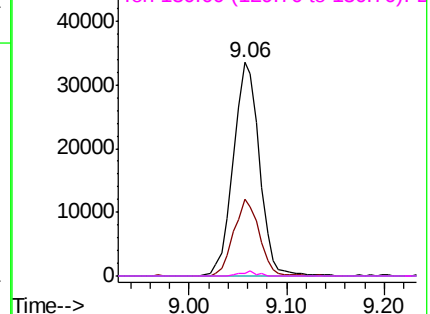
42 35.8 33.9 50.9

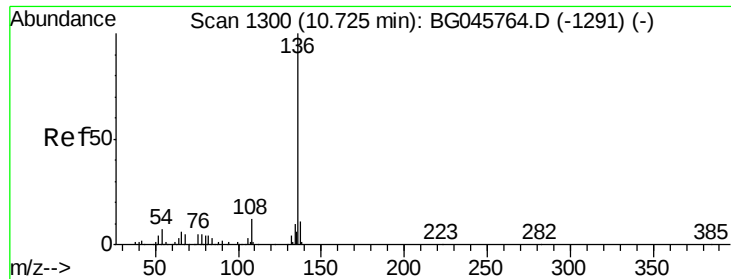
101 0.0 8.0 12.0#

130 1.4 14.9 22.3#



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

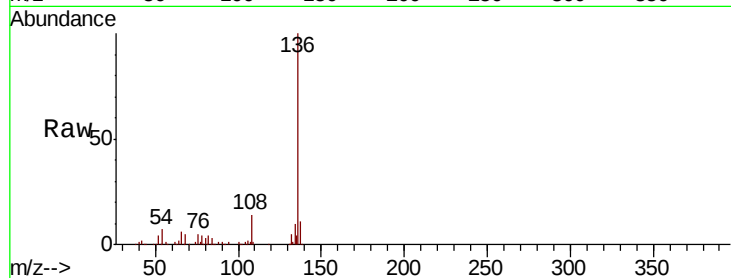




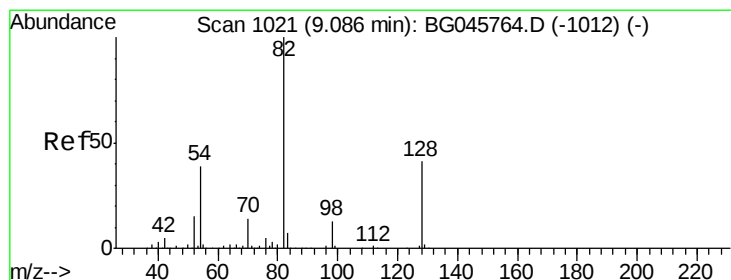
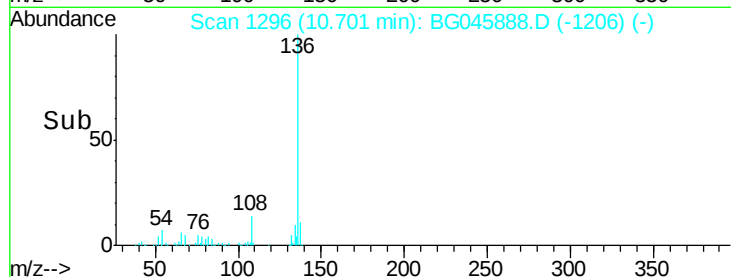
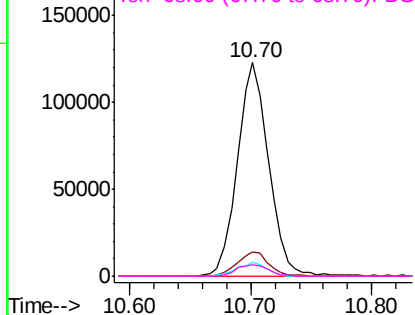
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.70 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BG045888.D
Acq: 30 Jun 2020 17:25

Instrument :
BNA_G
ClientSampleId :
SP1-C

Tot Ion:136	Resp:	221658
Ion Ratio	Lower	Upper
136 100		
137 11.5	9.4	14.0
54 6.6	4.9	7.3
68 5.2	3.9	5.9

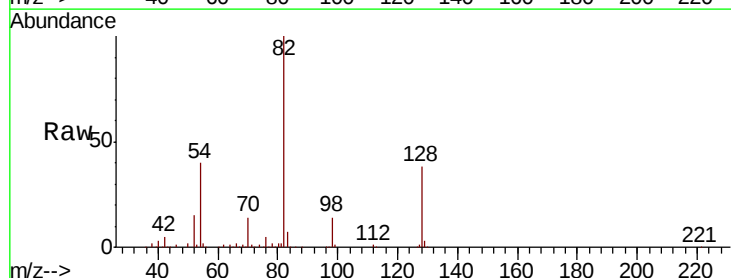


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

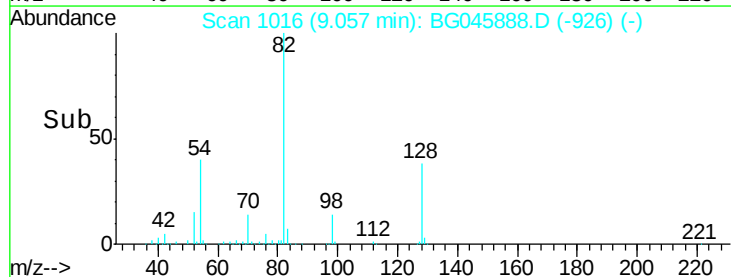
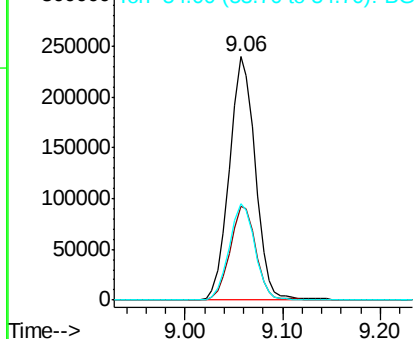


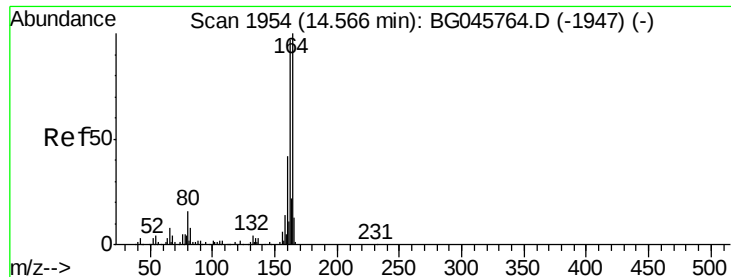
#23
Nitrobenzene-d5
Concen: 91.288 ng
RT: 9.06 min Scan# 1016
Delta R.T. -0.00 min
Lab File: BG045888.D
Acq: 30 Jun 2020 17:25

Tgt	Ion: 82	Resp:	442935
Ion	Ratio	Lower	Upper
82	100		
128	38.4	31.3	46.9
54	39.7	32.6	49.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.55 min Scan# 1951

Delta R.T. -0.00 min

Lab File: BG045888.D

Acq: 30 Jun 2020 17:25

Instrument :

BNA_G

ClientSampleId :

SP1-C

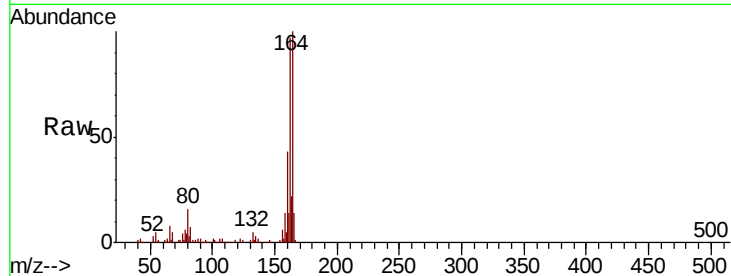
Tot Ion:164 Resp: 150840

Ion Ratio Lower Upper

164 100

162 96.8 80.6 120.8

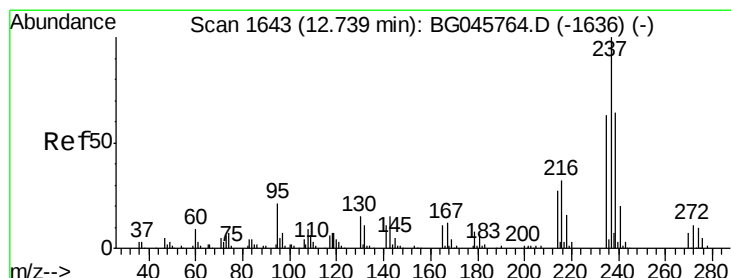
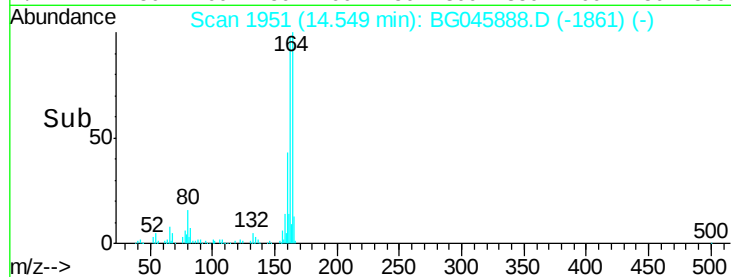
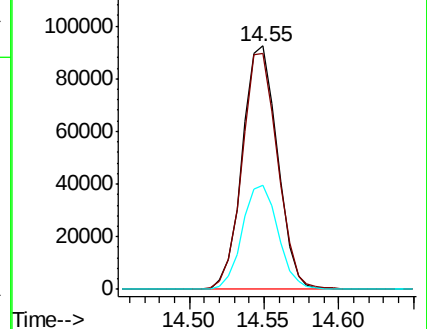
160 42.6 35.0 52.4



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



#41

Hexachlorocyclopentadiene

Concen: 8.441 ng

RT: 12.37 min Scan# 1580

Delta R.T. -0.35 min

Lab File: BG045888.D

Acq: 30 Jun 2020 17:25

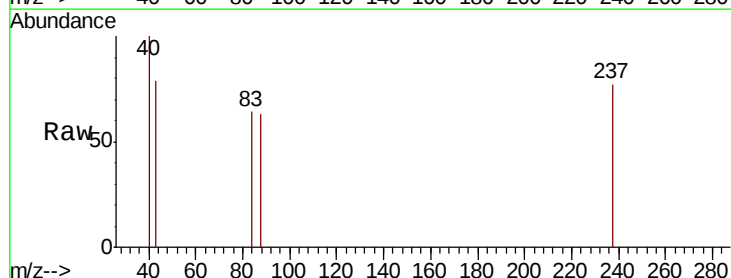
Tgt Ion:237 Resp: 68

Ion Ratio Lower Upper

237 100

235 0.0 41.3 81.3#

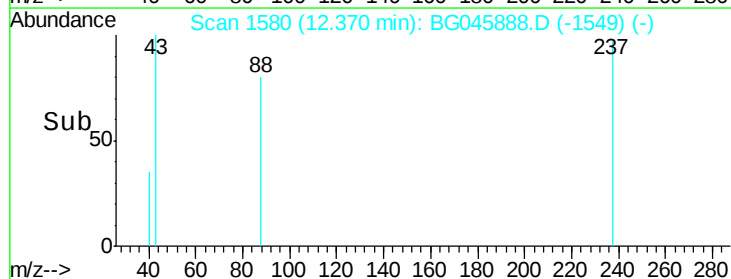
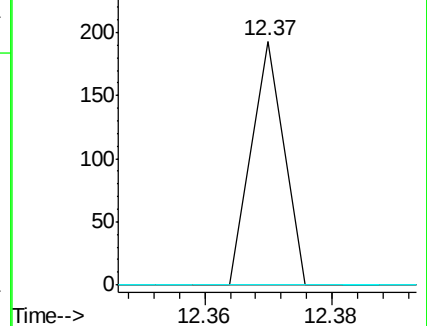
272 0.0 0.0 32.9

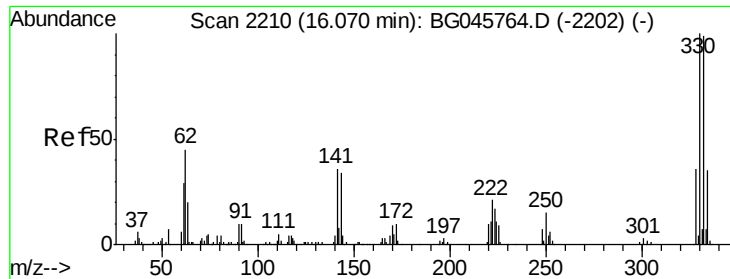


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

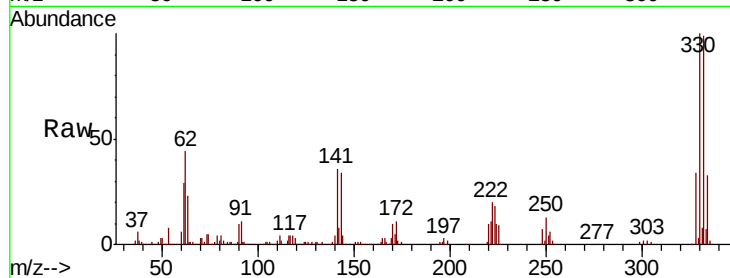




#42
 2,4,6-Tribromophenol
 Concen: 125.529 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.00 min
 Lab File: BG045888.D
 Acq: 30 Jun 2020 17:25

Instrument :
 BNA_G
 ClientSampled :
 SP1-C

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	114.8
141	34.9	27.7	41.5

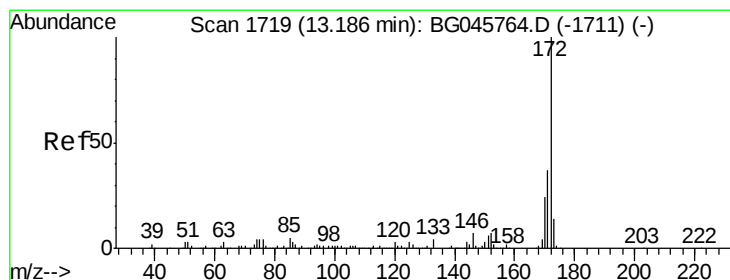
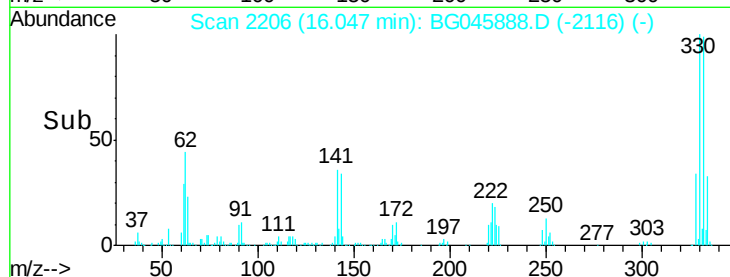
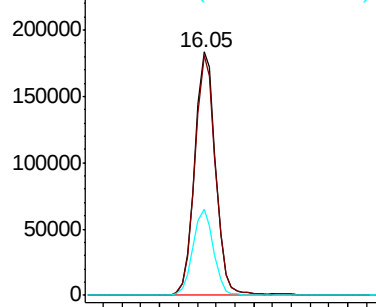


Abundance

Ion 329.80 (329.50 to 330.50): E

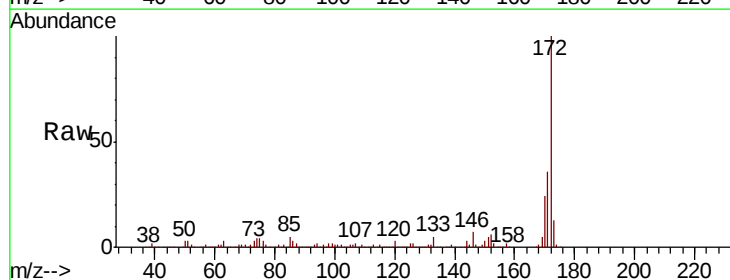
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 92.409 ng
 RT: 13.17 min Scan# 1716
 Delta R.T. -0.00 min
 Lab File: BG045888.D
 Acq: 30 Jun 2020 17:25

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	23.9	19.1	28.7

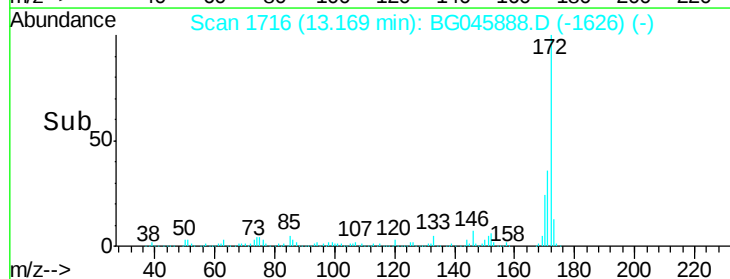
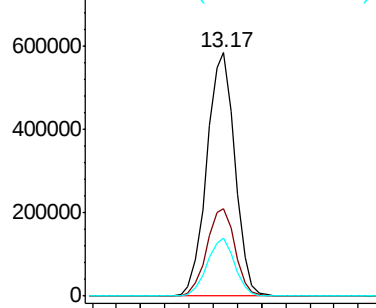


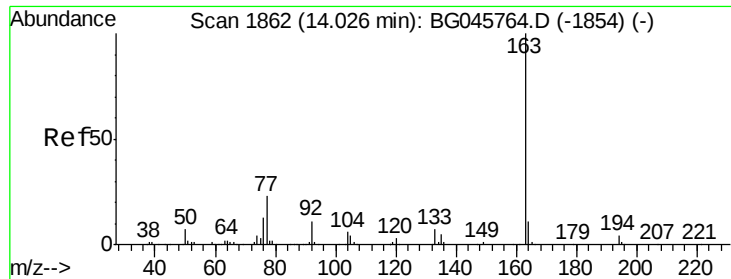
Abundance

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: 11.135 ng

RT: 14.00 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BG045888.D

Acq: 30 Jun 2020 17:25

Instrument :

BNA_G

ClientSampleId :

SP1-C

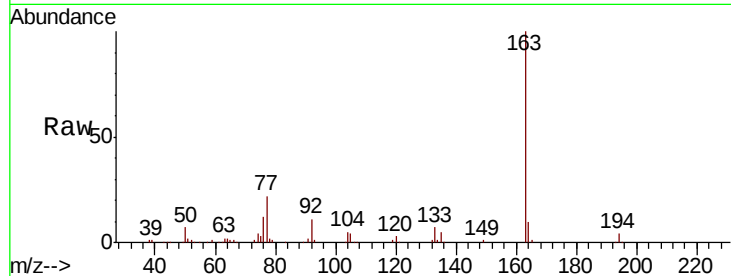
Tot Ion:163 Resp: 131580

Ion Ratio Lower Upper

163 100

194 4.3 3.3 4.9

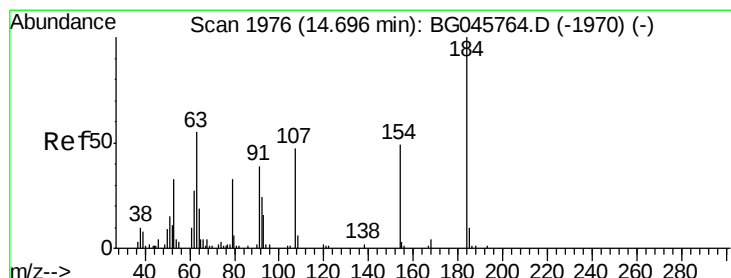
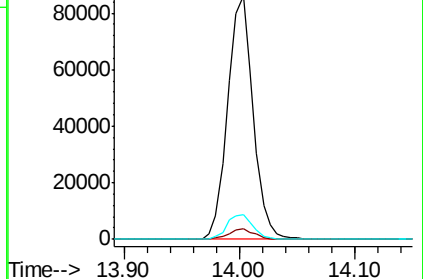
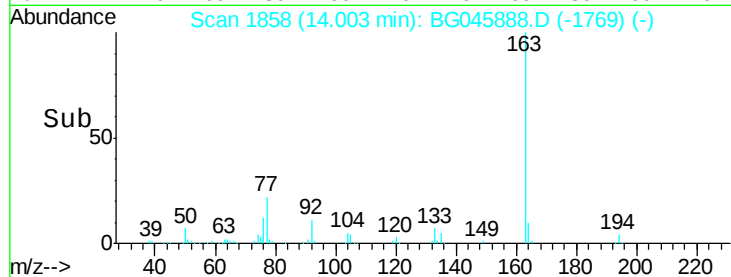
164 10.0 8.8 13.2



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



#54

2,4-Dinitrophenol

Concen: 9.857 ng

RT: 14.77 min Scan# 1989

Delta R.T. 0.09 min

Lab File: BG045888.D

Acq: 30 Jun 2020 17:25

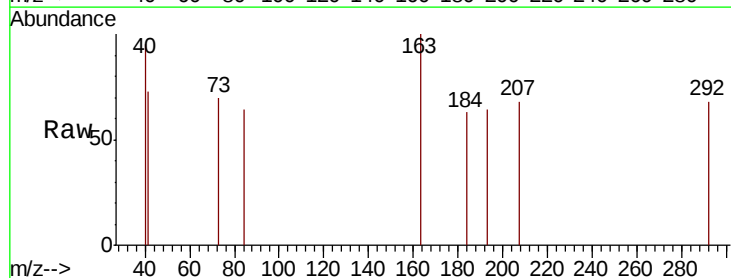
Tgt Ion:184 Resp: 54

Ion Ratio Lower Upper

184 100

63 0.0 51.9 77.9#

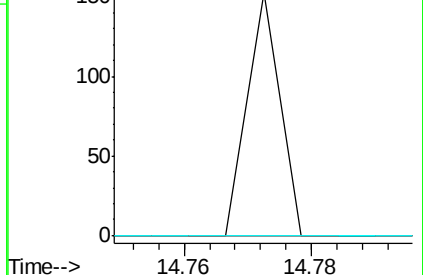
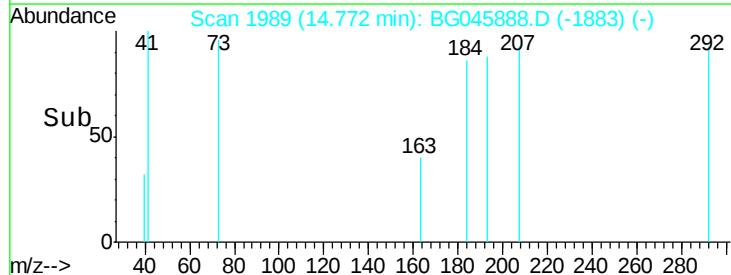
154 0.0 60.7 91.1#

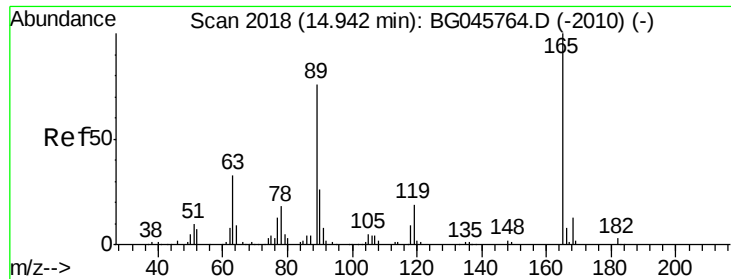


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BG0

Ion 154.00 (153.70 to 154.70): E

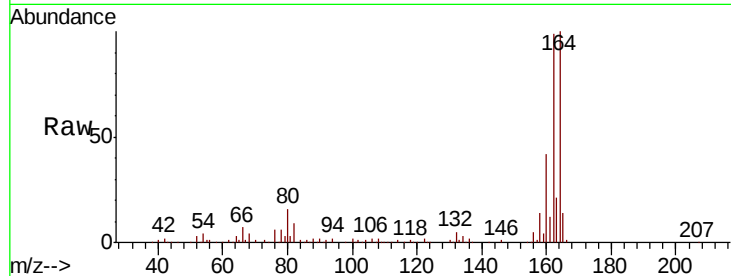




#57
 2,4-Dinitrotoluene
 Concen: 5.379 ng
 RT: 14.54 min Scan# 1950
 Delta R.T. -0.38 min
 Lab File: BG045888.D
 Acq: 30 Jun 2020 17:25

Instrument :
 BNA_G
 ClientSampleId :
 SP1-C

Tot Ion:165	Resp:	20454
Ion Ratio	Lower	Upper
165 100		
63 1.3	35.2	52.8#
89 1.6	61.4	92.2#
182 0.0	2.3	3.5#

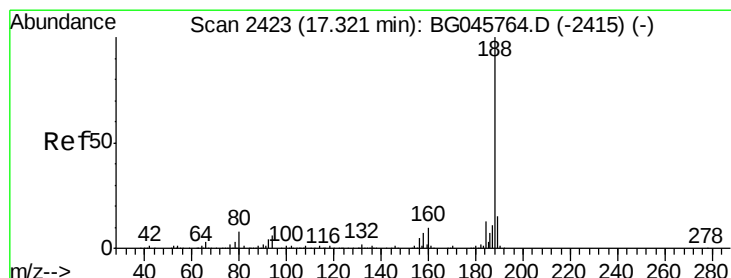
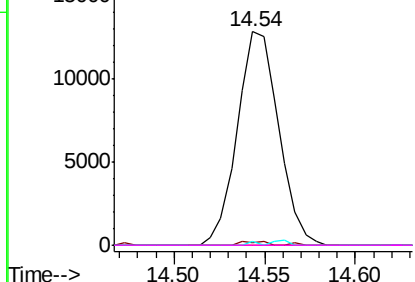
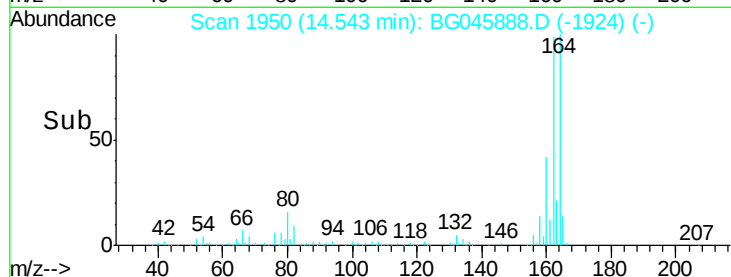


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

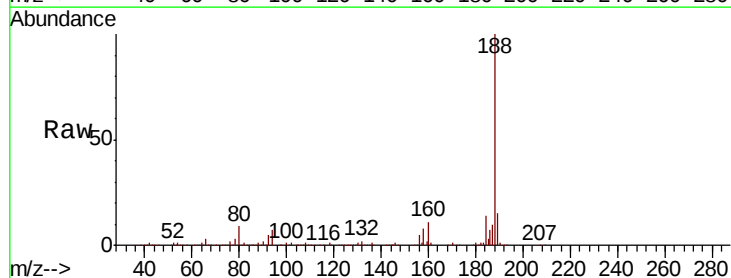
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG045888.D
 Acq: 30 Jun 2020 17:25

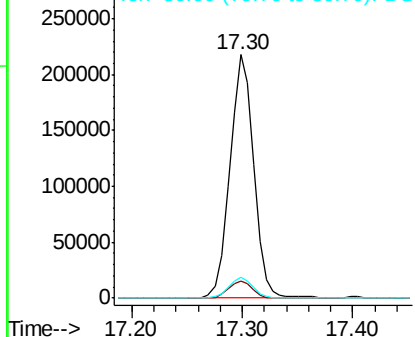
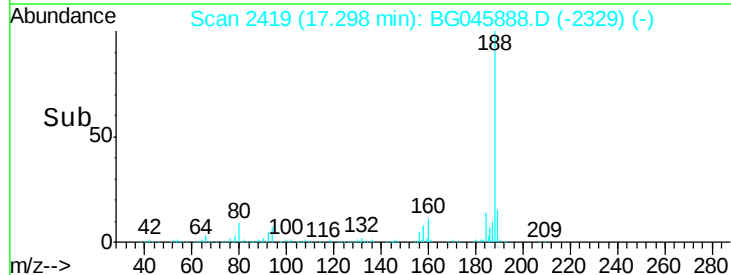
Tgt	Ion:188	Resp:	329455
Ion	Ratio	Lower	Upper
188	100		
94	6.9	5.7	8.5
80	8.8	6.6	10.0

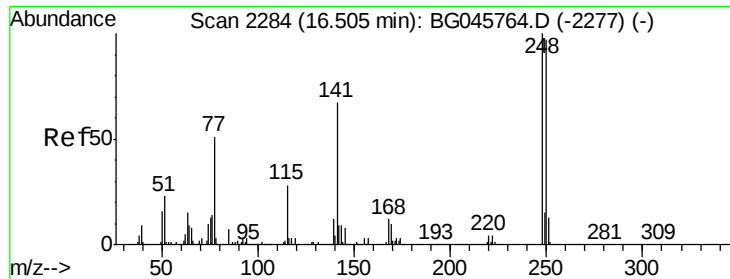


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

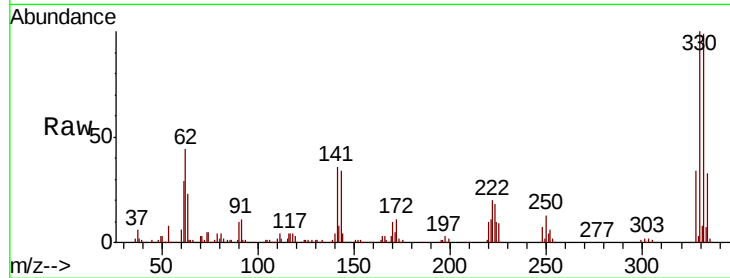




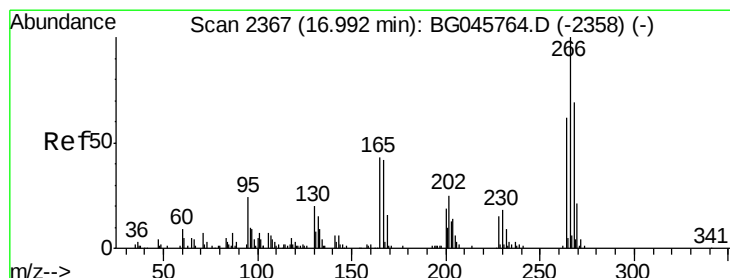
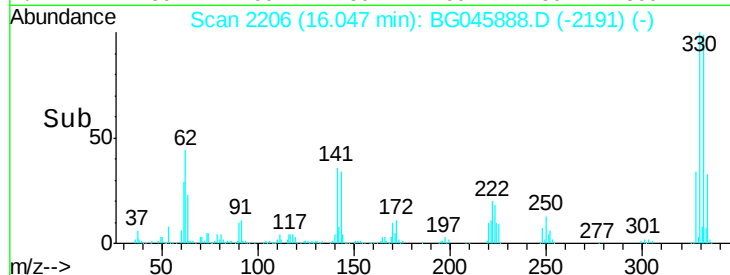
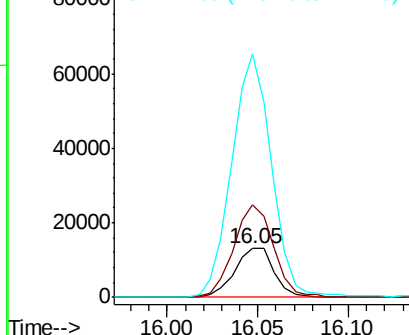
#67
 4-Bromophenyl-phenylether
 Concen: 4.620 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.44 min
 Lab File: BG045888.D
 Acq: 30 Jun 2020 17:25

Instrument :
 BNA_G
 ClientSampleId :
 SP1-C

Tot Ion:248 Resp: 19777
 Ion Ratio Lower Upper
 248 100
 250 189.2 76.8 115.2#
 141 500.2 52.6 79.0#

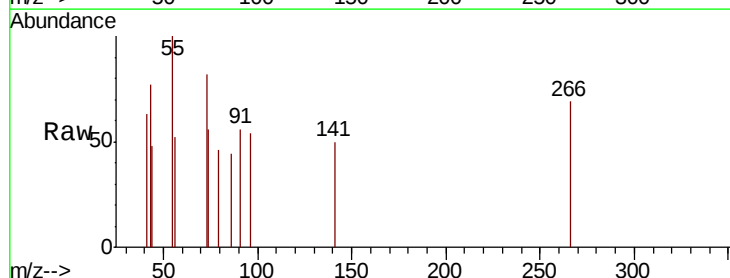


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

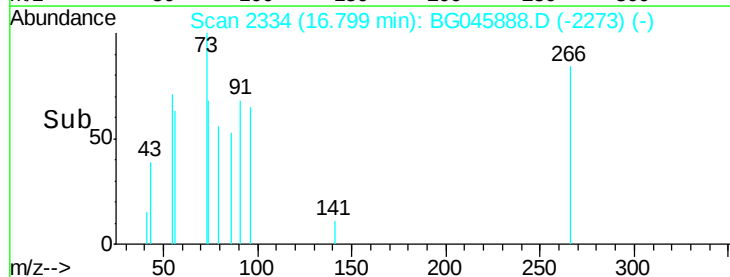
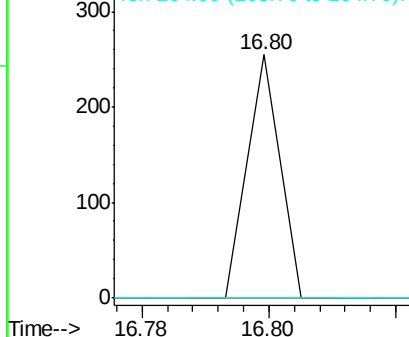


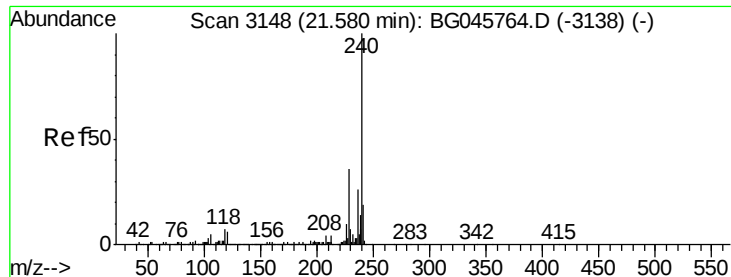
#70
 Pentachlorophenol
 Concen: 7.670 ng
 RT: 16.80 min Scan# 2334
 Delta R.T. -0.17 min
 Lab File: BG045888.D
 Acq: 30 Jun 2020 17:25

Tgt Ion:266 Resp: 90
 Ion Ratio Lower Upper
 266 100
 268 0.0 50.9 76.3#
 264 0.0 49.8 74.8#



Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

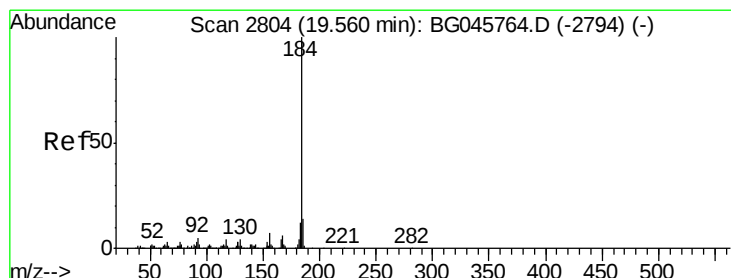
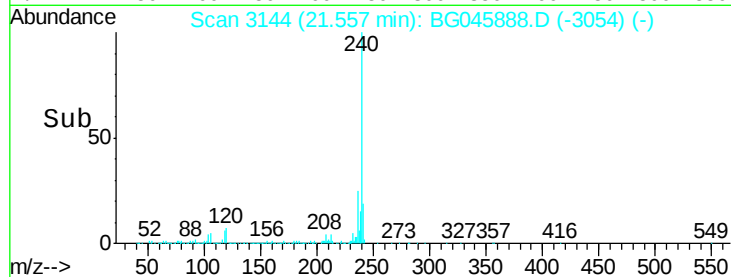
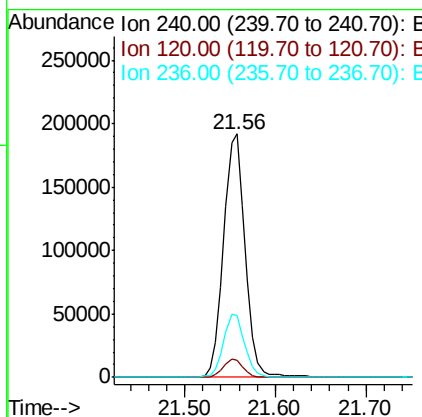
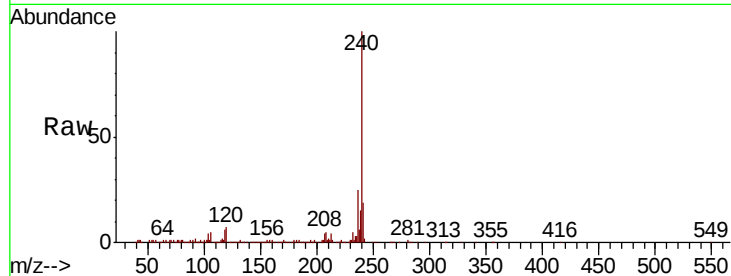




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.00 min
Lab File: BG045888.D
Acq: 30 Jun 2020 17:25

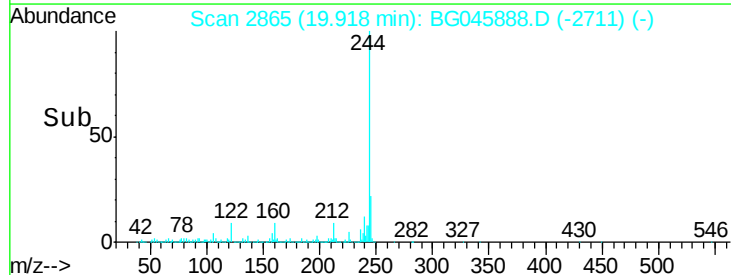
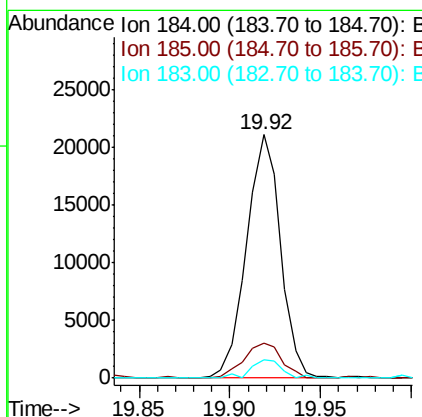
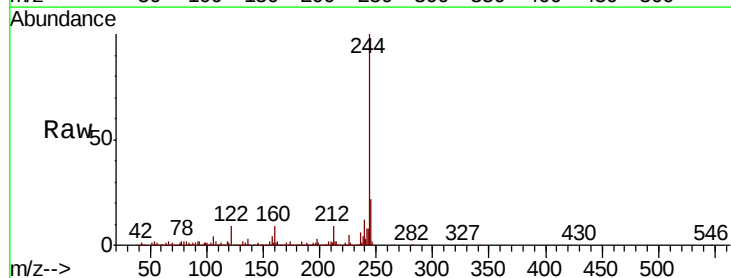
Instrument :
BNA_G
ClientSampleId :
SP1-C

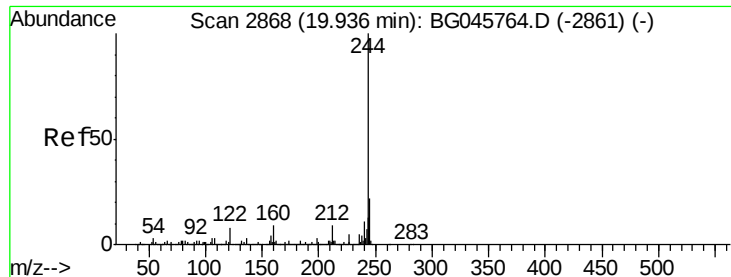
Tot Ion:240 Resp: 314830
Ion Ratio Lower Upper
240 100
120 7.0 5.6 8.4
236 25.3 21.3 31.9



#77
Benzidine
Concen: 3.364 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.38 min
Lab File: BG045888.D
Acq: 30 Jun 2020 17:25

Tgt Ion:184 Resp: 27537
Ion Ratio Lower Upper
184 100
185 14.5 10.6 15.8
183 7.4 10.1 15.1#





#79

Terphenyl-d14

Concen: 95.208 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.00 min

Lab File: BG045888.D

Acq: 30 Jun 2020 17:25

Instrument :

BNA_G

ClientSampleId :

SP1-C

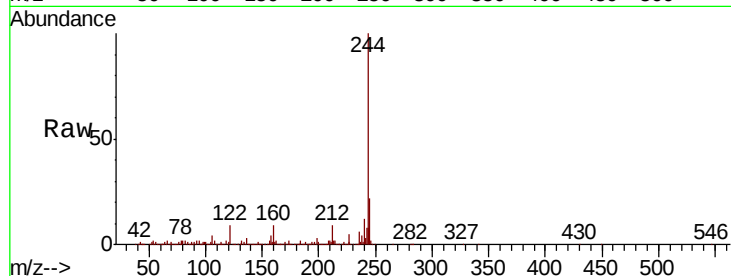
Tot Ion:244 Resp: 1479050

Ion Ratio Lower Upper

244 100

212 9.1 7.2 10.8

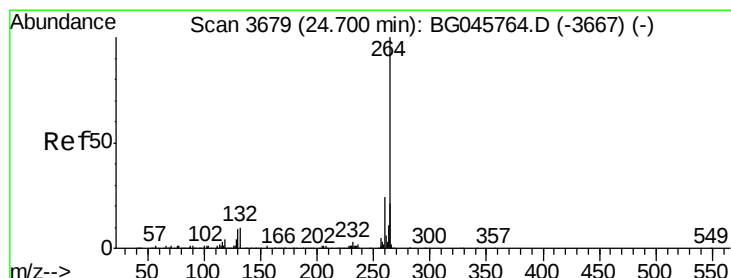
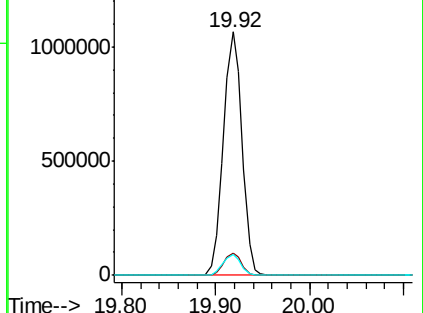
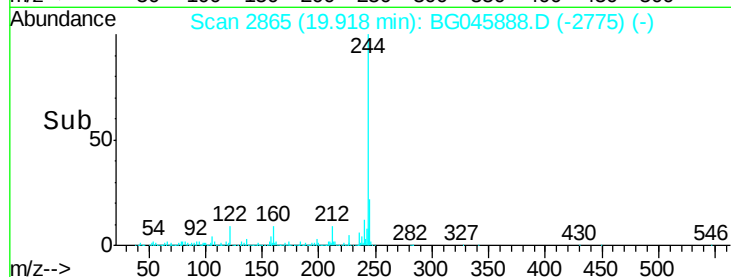
122 8.7 6.9 10.3



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.00 min

Lab File: BG045888.D

Acq: 30 Jun 2020 17:25

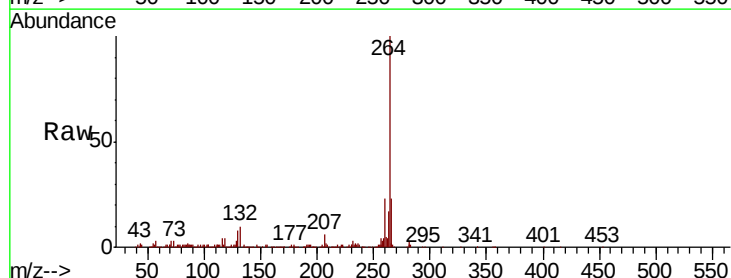
Tgt Ion:264 Resp: 325897

Ion Ratio Lower Upper

264 100

260 22.8 19.5 29.3

265 22.8 17.4 26.0



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

