

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070220\
 Data File : BG045942.D
 Acq On : 3 Jul 2020 10:47
 Operator : CG/JU
 Sample : L3172-27
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP11-SS

Quant Time: Jul 04 00:14:41 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG061520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 02 14:02:29 2020
 Response via : Initial Calibration

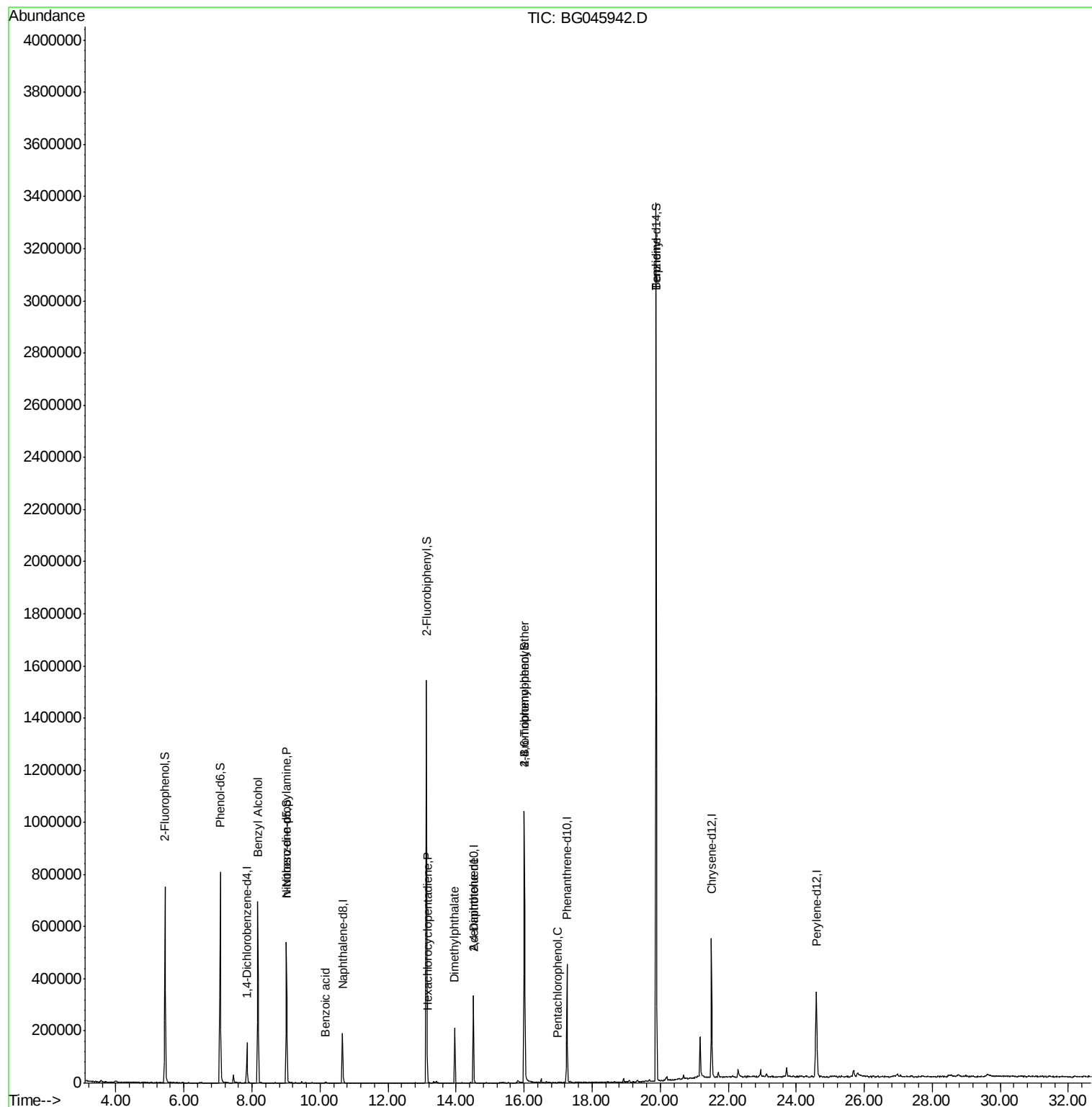
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	43685	20.00	ng	0.00
21) Naphthalene-d8	10.65	136	167702	20.00	ng	-0.01
39) Acenaphthene-d10	14.51	164	120418	20.00	ng	0.00
64) Phenanthrene-d10	17.26	188	292991	20.00	ng	-0.01
76) Chrysene-d12	21.51	240	323539	20.00	ng	-0.01
86) Perylene-d12	24.59	264	335265	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	357501	138.24	ng	-0.01
7) Phenol-d6	7.07	99	526973	133.97	ng	-0.01
23) Nitrobenzene-d5	9.02	82	367069	99.99	ng	0.00
42) 2,4,6-Tribromophenol	16.01	330	224968	123.74	ng	0.00
45) 2-Fluorobiphenyl	13.13	172	813726	99.31	ng	0.00
79) Terphenyl-d14	19.88	244	1573354	98.55	ng	0.00
Target Compounds						
15) Benzyl Alcohol	8.18	79	6973	2.291	ng	# 60
19) n-Nitroso-di-n-propylamine	9.02	70	52886	20.450	ng	# 78
32) Benzoic acid	10.17	122	1741	9.854	ng	# 32
41) Hexachlorocyclopentadiene	13.16	237	55	8.441	ng	# 27
50) Dimethylphthalate	13.96	163	140425	14.886	ng	# 96
57) 2,4-Dinitrotoluene	14.51	165	15992	5.268	ng	# 21
67) 4-Bromophenyl-phenylether	16.01	248	16233	4.264	ng	# 1
70) Pentachlorophenol	16.99	266	54	7.658	ng	# 20
77) Benzidine	19.88	184	28995	3.447	ng	# 87

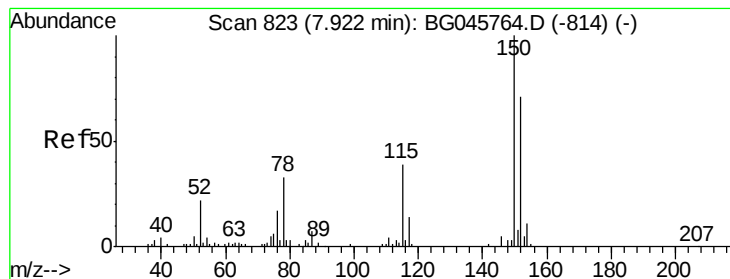
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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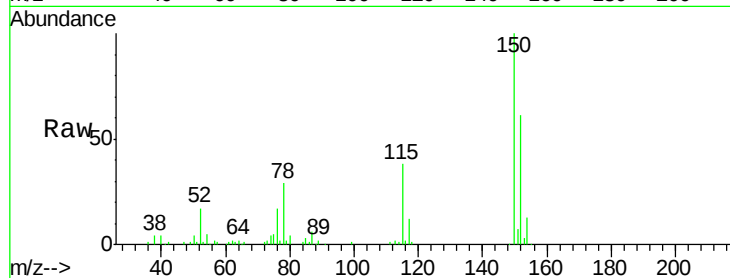


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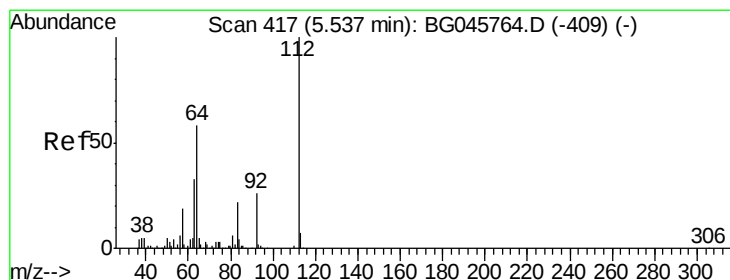
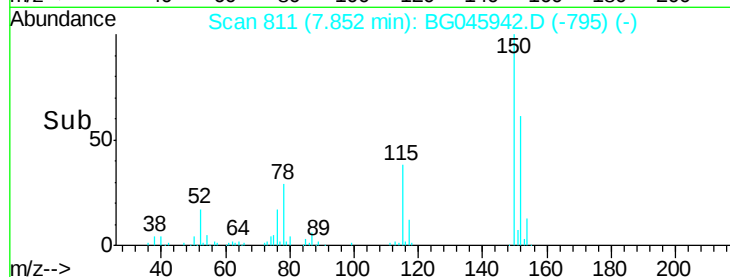
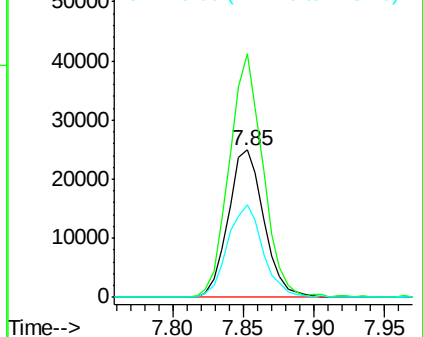
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.85 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: BG045942.D
 Acq: 3 Jul 2020 10:47

Instrument :
 BNA_G
 ClientSampleId :
 TP11-SS

Tot Ion:152 Resp: 43685
 Ion Ratio Lower Upper
 152 100
 150 165.0 124.5 186.7
 115 63.0 45.8 68.8



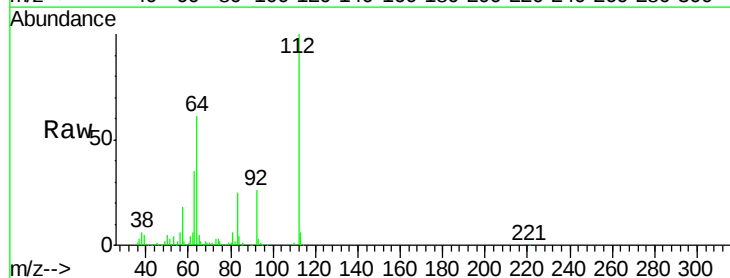
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



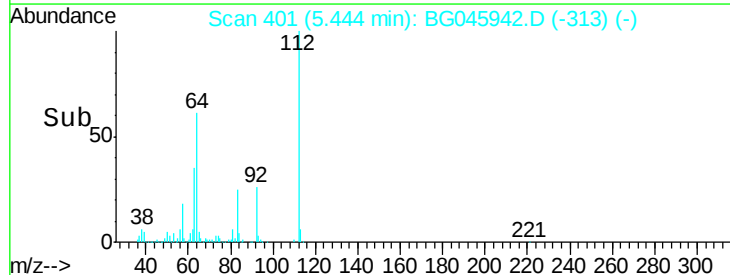
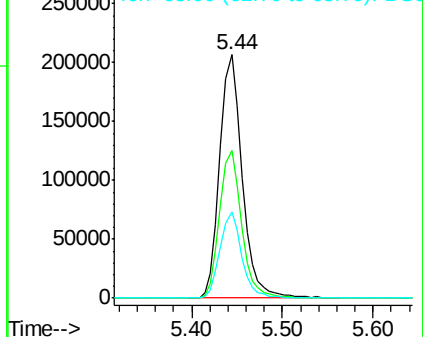
#5

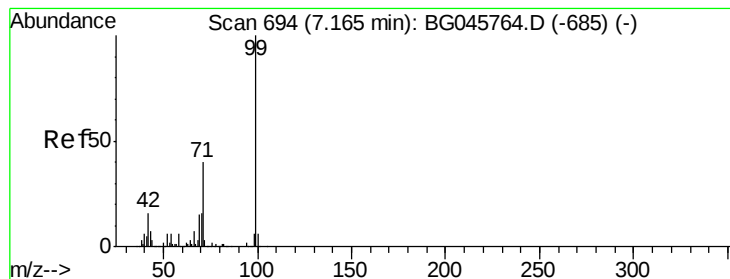
2-Fluorophenol
 Concen: 138.240 ng
 RT: 5.44 min Scan# 401
 Delta R.T. -0.01 min
 Lab File: BG045942.D
 Acq: 3 Jul 2020 10:47

Tgt Ion:112 Resp: 357501
 Ion Ratio Lower Upper
 112 100
 64 60.5 44.9 67.3
 63 35.3 26.9 40.3



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: 133.965 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

Instrument :

BNA_G

ClientSampleId :

TP11-SS

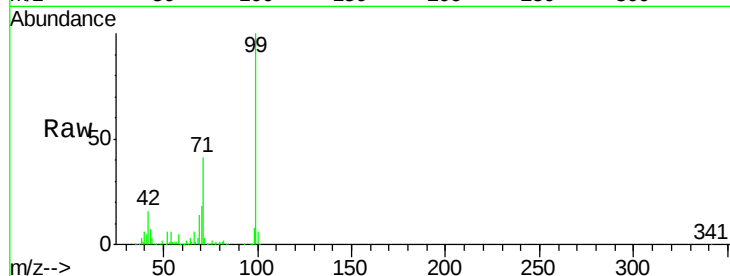
Tot Ion: 99 Resp: 526973

Ion Ratio Lower Upper

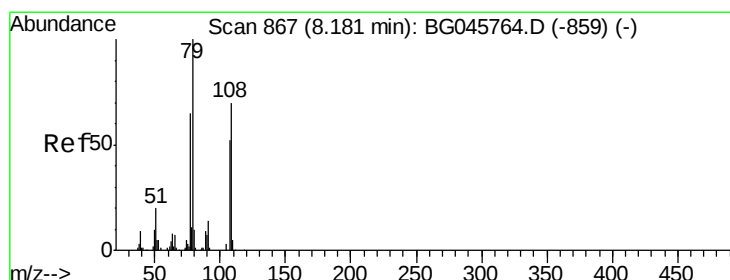
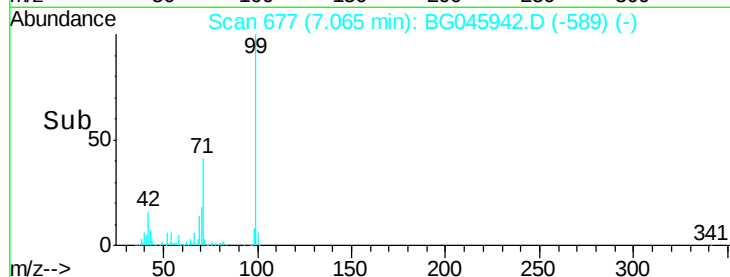
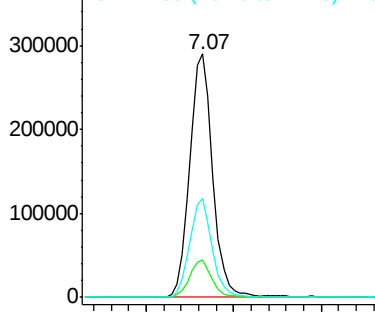
99 100

42 15.6 11.8 17.8

71 40.6 31.0 46.6



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



#15

Benzyl Alcohol

Concen: 2.291 ng

RT: 8.18 min Scan# 866

Delta R.T. 0.07 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

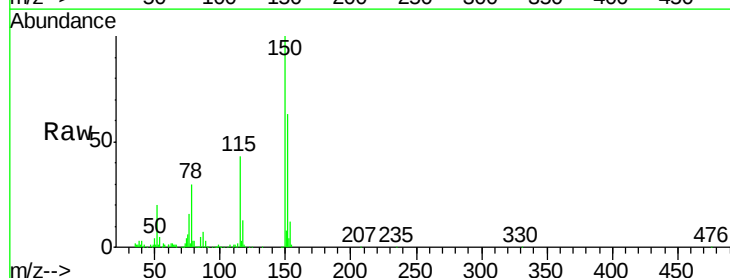
Tgt Ion: 79 Resp: 6973

Ion Ratio Lower Upper

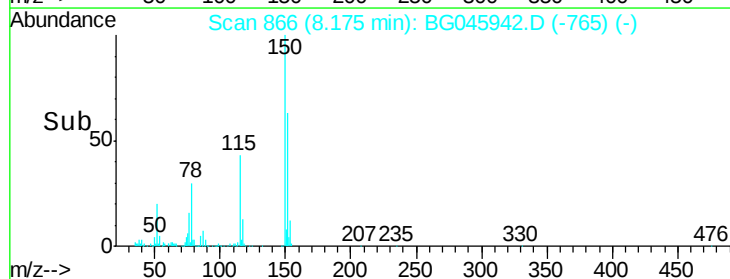
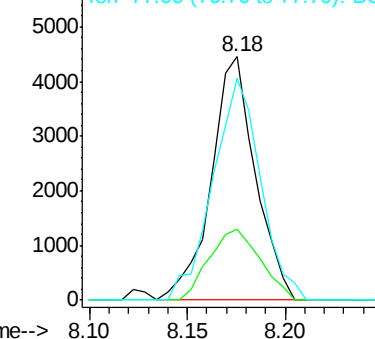
79 100

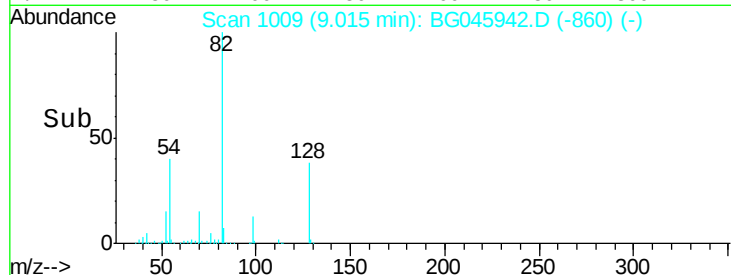
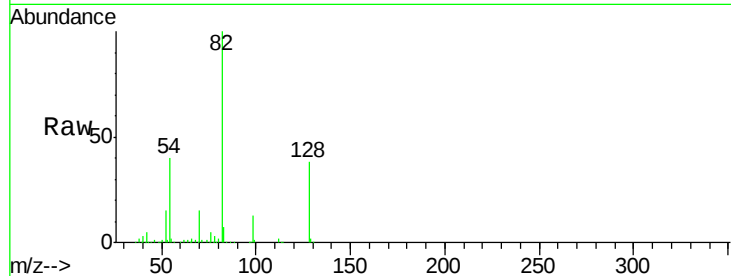
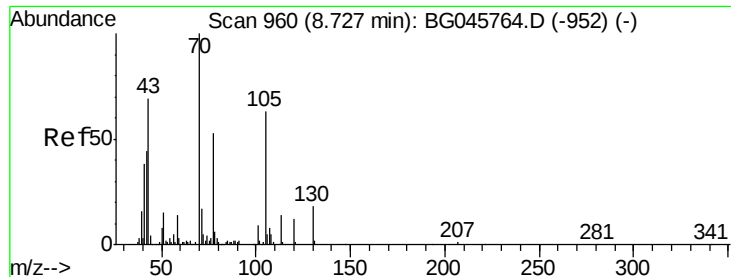
108 29.1 50.7 76.1#

77 91.0 50.4 75.6#



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

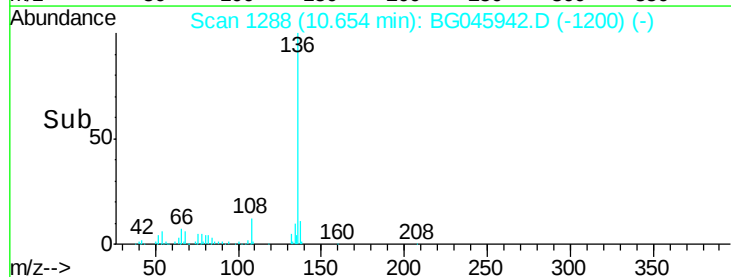
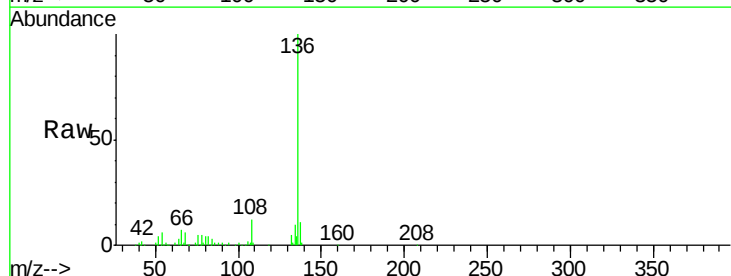
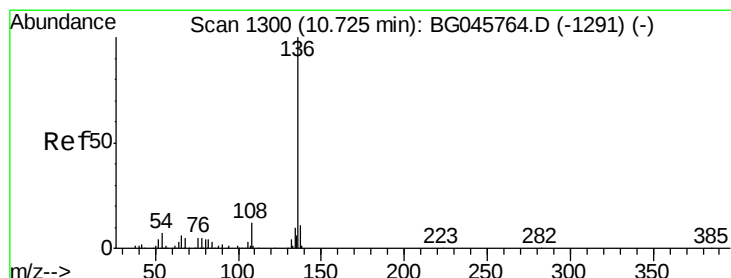
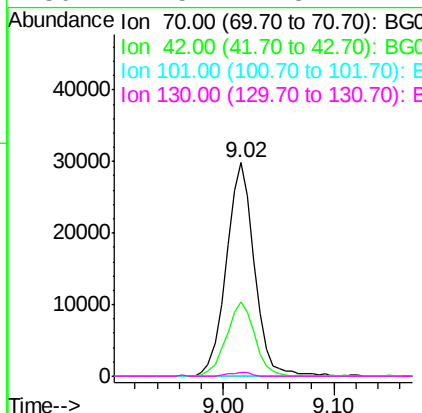




#19
n-Nitroso-di-n-propylamine
Concen: 20.450 ng
RT: 9.02 min Scan# 1009
Delta R.T. 0.35 min
Lab File: BG045942.D
Acq: 3 Jul 2020 10:47

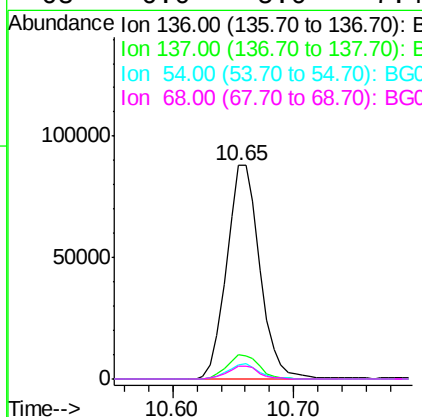
Instrument :
BNA_G
ClientSampleId :
TP11-SS

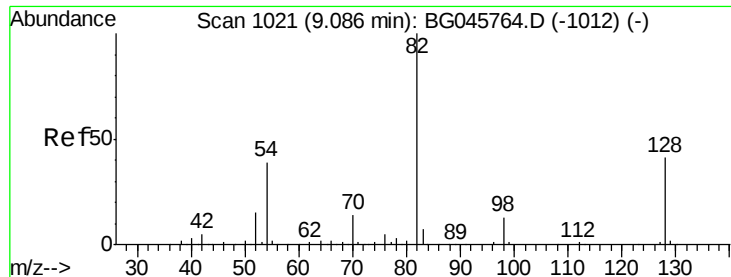
Tot Ion: 70 Resp: 52886
Ion Ratio Lower Upper
70 100
42 34.9 35.6 53.4#
101 0.0 6.6 10.0#
130 1.5 14.8 22.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.65 min Scan# 1288
Delta R.T. -0.01 min
Lab File: BG045942.D
Acq: 3 Jul 2020 10:47

Tgt Ion: 136 Resp: 167702
Ion Ratio Lower Upper
136 100
137 11.3 8.2 12.4
54 6.4 4.6 7.0
68 6.0 5.0 7.4

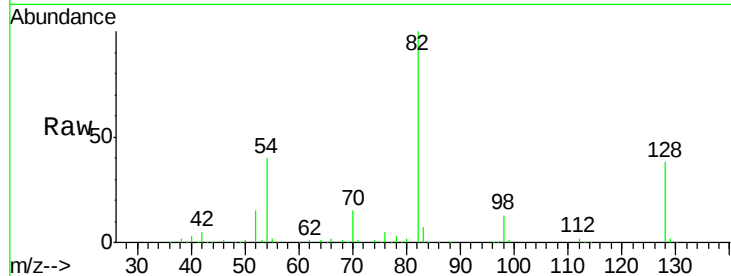




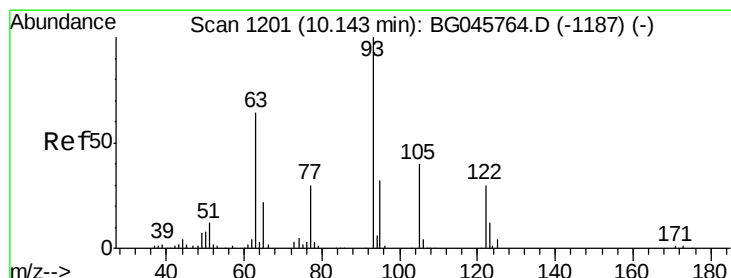
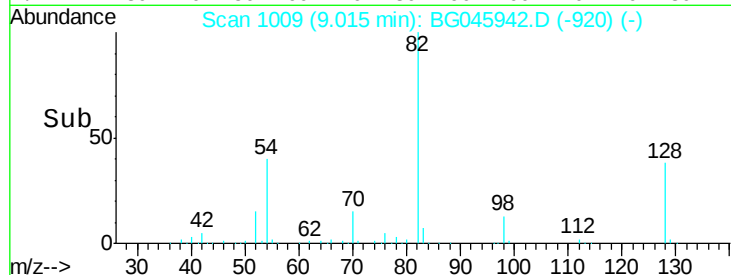
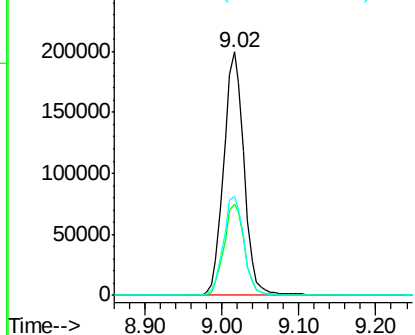
#23
 Nitrobenzene-d5
 Concen: 99.993 ng
 RT: 9.02 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BG045942.D
 Acq: 3 Jul 2020 10:47

Instrument :
 BNA_G
 ClientSampleId :
 TP11-SS

Tot Ion: 82 Resp: 367069
 Ion Ratio Lower Upper
 82 100
 128 37.6 29.9 44.9
 54 40.5 33.3 49.9

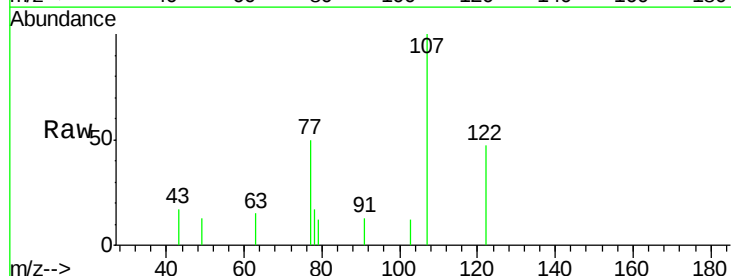


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

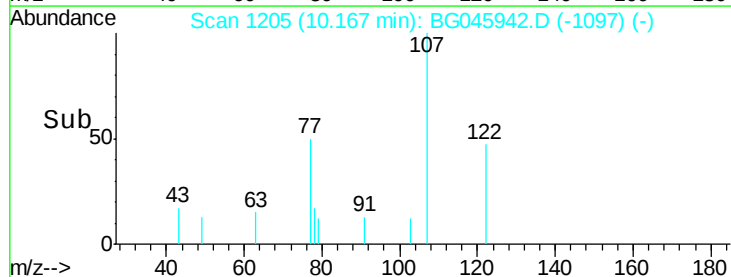
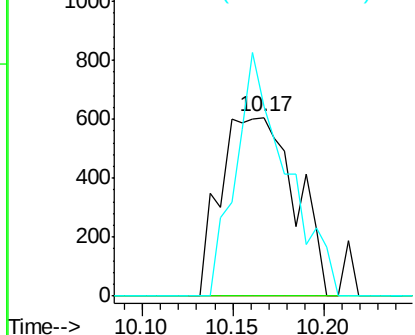


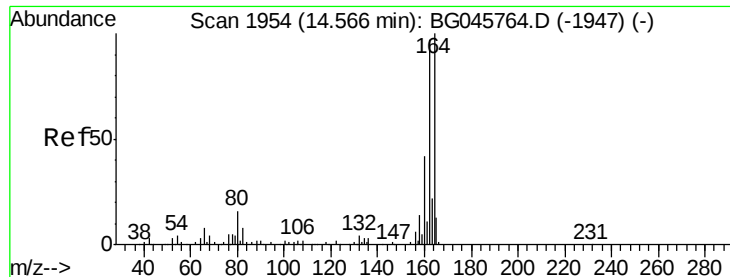
#32
 Benzoic acid
 Concen: 9.854 ng
 RT: 10.17 min Scan# 1205
 Delta R.T. 0.11 min
 Lab File: BG045942.D
 Acq: 3 Jul 2020 10:47

Tgt Ion: 122 Resp: 1741
 Ion Ratio Lower Upper
 122 100
 105 0.0 123.1 163.1#
 77 105.9 93.9 133.9



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: 14.51 min Scan# 1944

Delta R.T. -0.00 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

Instrument :

BNA_G

ClientSampleId :

TP11-SS

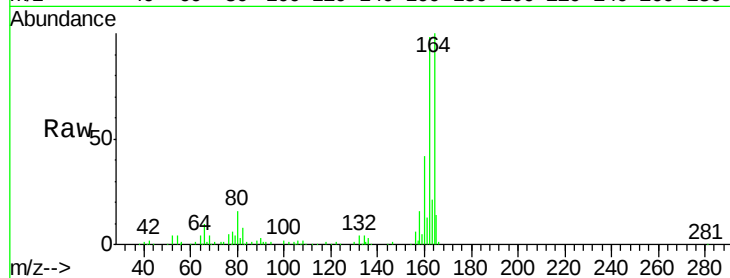
Tot Ion:164 Resp: 120418

Ion Ratio Lower Upper

164 100

162 98.0 78.8 118.2

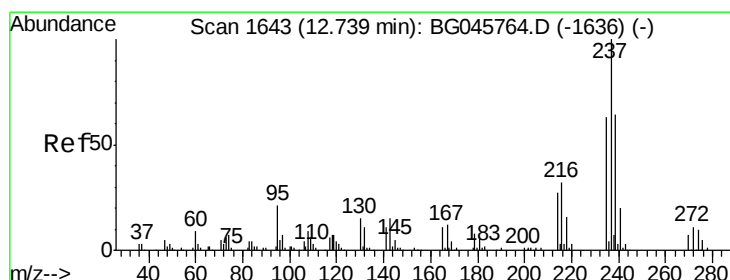
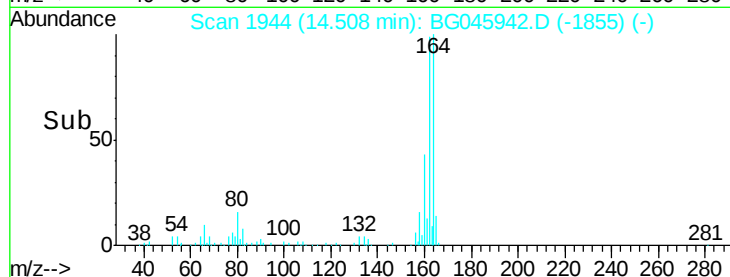
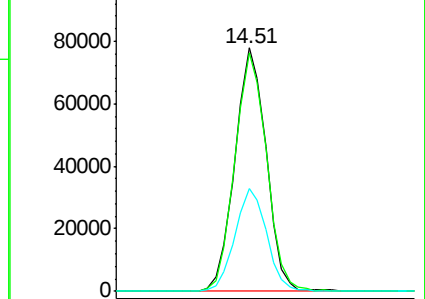
160 42.5 33.8 50.6



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: 13.16 min Scan# 1714

Delta R.T. 0.47 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

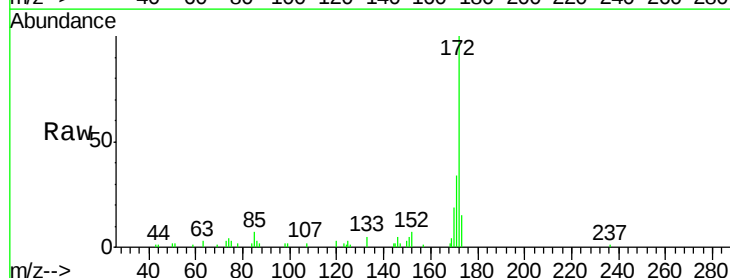
Tgt Ion:237 Resp: 55

Ion Ratio Lower Upper

237 100

235 0.0 43.3 83.3#

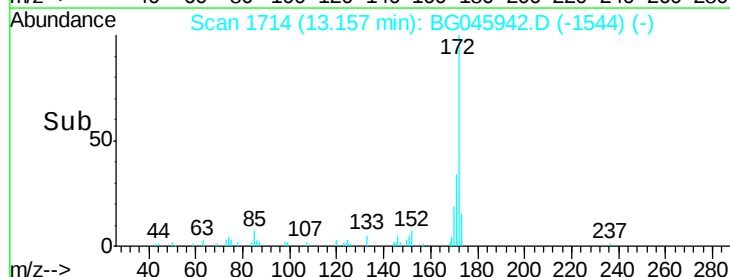
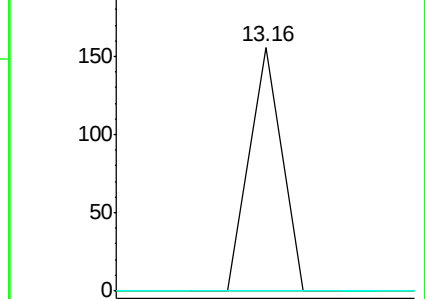
272 0.0 0.0 33.3

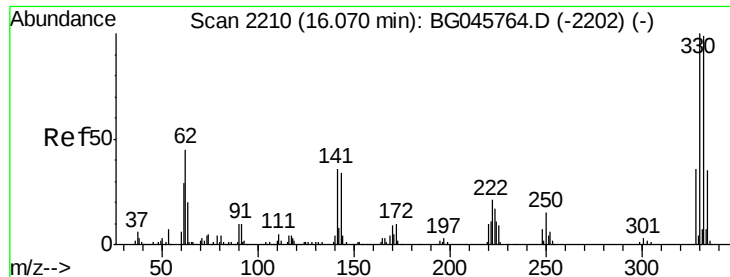


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E

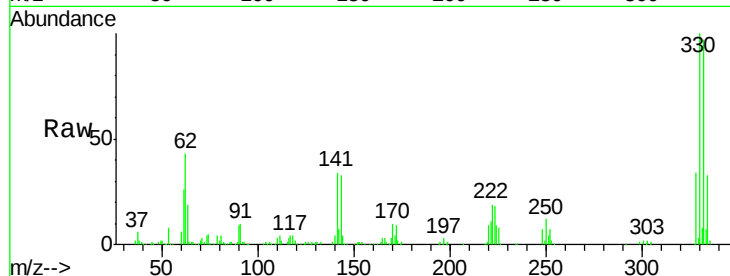




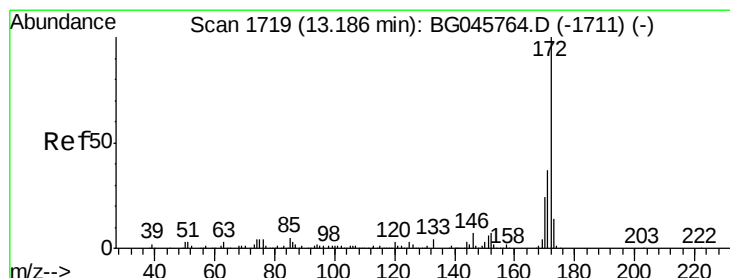
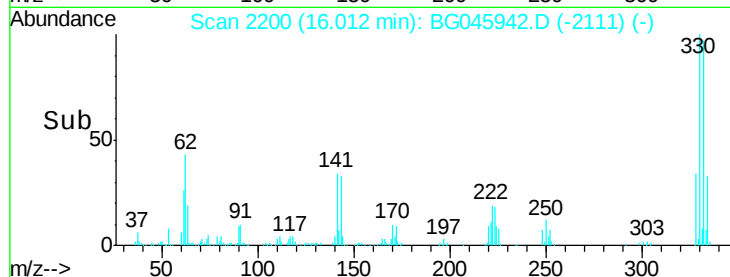
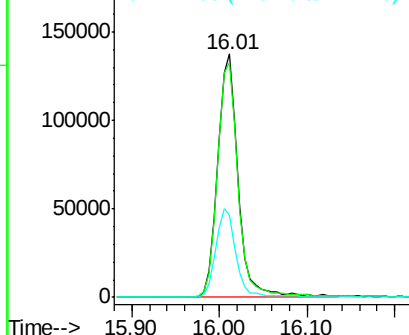
#42
 2,4,6-Tribromophenol
 Concen: 123.745 ng
 RT: 16.01 min Scan# 2200
 Delta R.T. -0.00 min
 Lab File: BG045942.D
 Acq: 3 Jul 2020 10:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.4	119.0
141	36.0	28.2	42.2

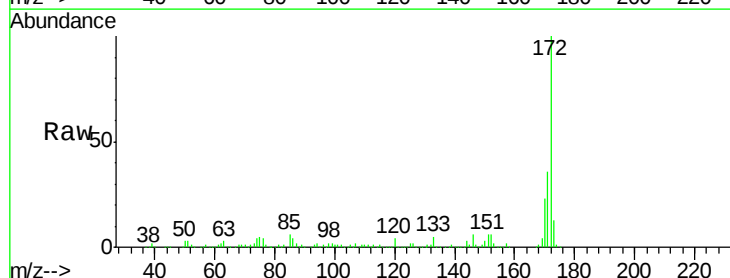


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

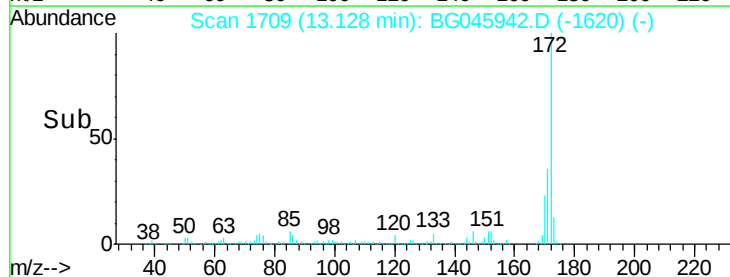
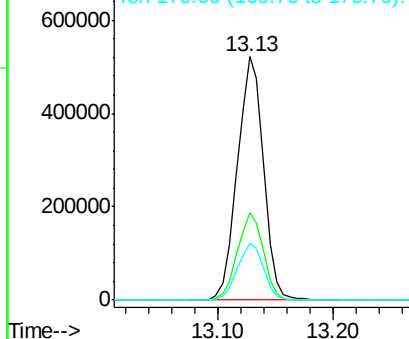


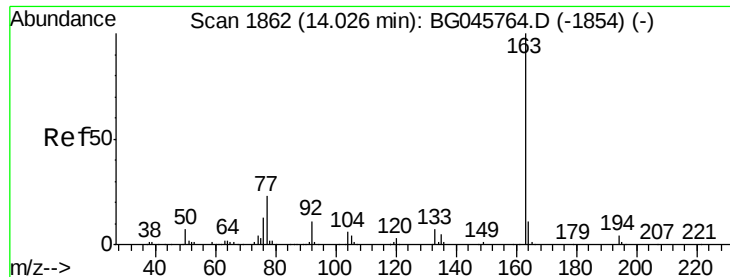
#45
 2-Fluorobiphenyl
 Concen: 99.306 ng
 RT: 13.13 min Scan# 1709
 Delta R.T. -0.00 min
 Lab File: BG045942.D
 Acq: 3 Jul 2020 10:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.5	42.7
170	23.2	18.9	28.3



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: 14.886 ng

RT: 13.96 min Scan# 1851

Delta R.T. -0.01 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

Instrument :

BNA_G

ClientSampleId :

TP11-SS

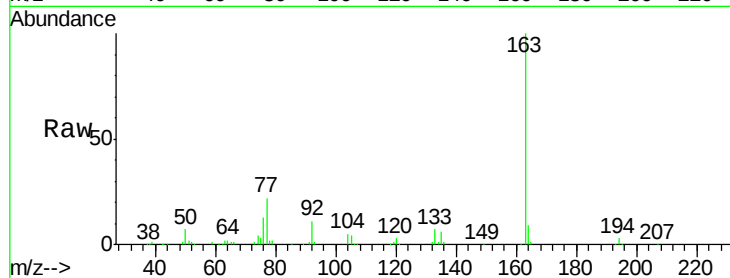
Tot Ion:163 Resp: 140425

Ion Ratio Lower Upper

163 100

194 3.4 3.5 5.3#

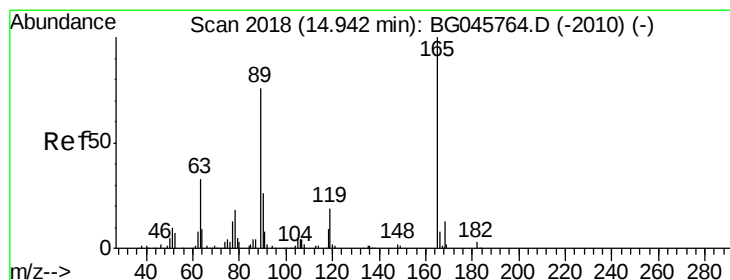
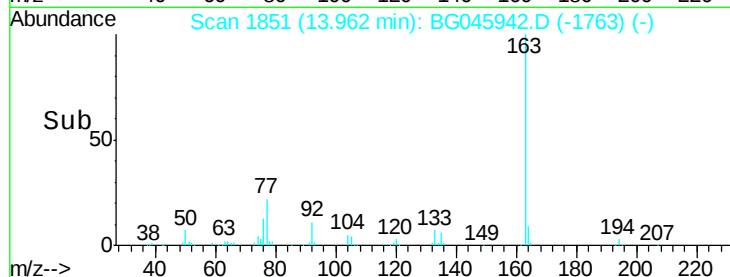
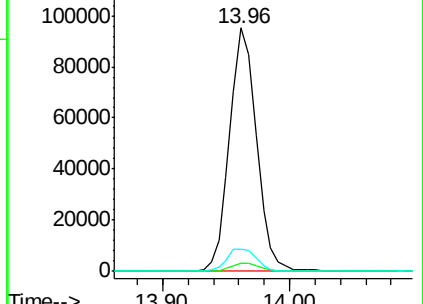
164 9.1 8.7 13.1



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: 5.268 ng

RT: 14.51 min Scan# 1944

Delta R.T. -0.38 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

Tgt Ion:165 Resp: 15992

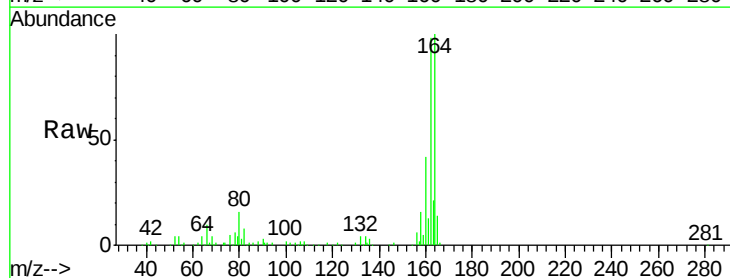
Ion Ratio Lower Upper

165 100

63 0.0 34.5 51.7#

89 0.0 60.8 91.2#

182 0.0 2.3 3.5#

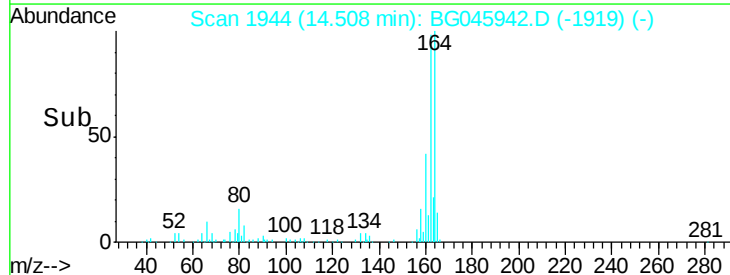
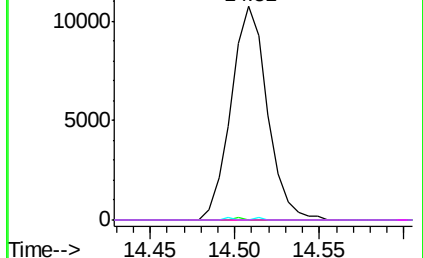


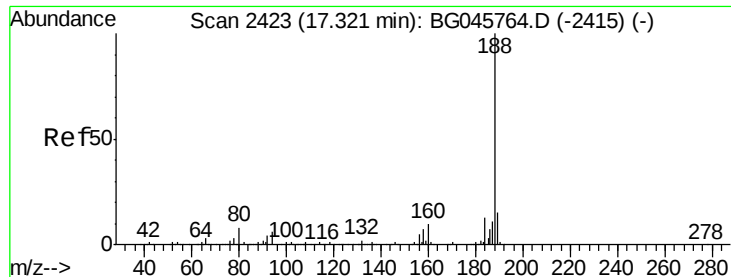
Abundance Ion 165.00 (164.70 to 165.70): E

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

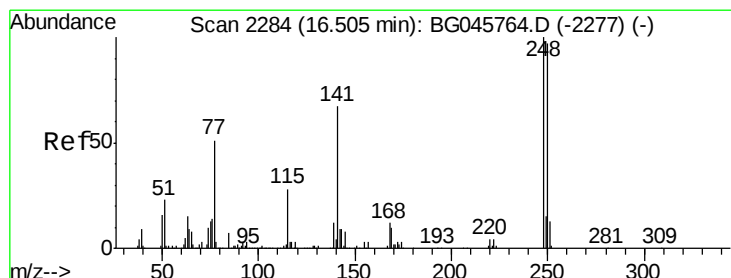
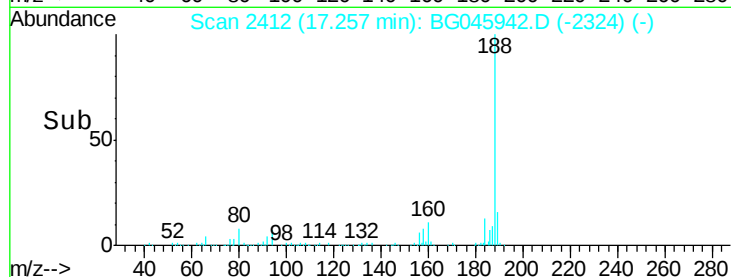
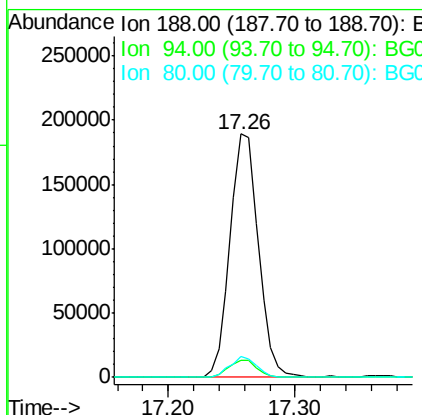
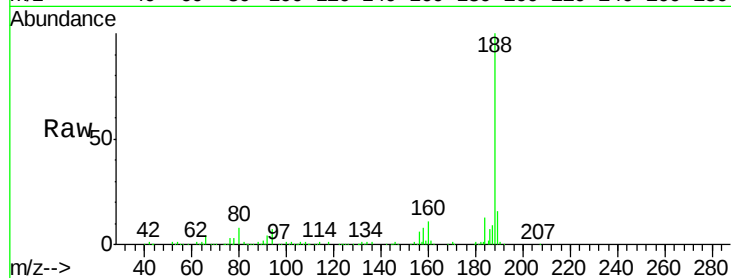




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.26 min Scan# 2412
Delta R.T. -0.01 min
Lab File: BG045942.D
Acq: 3 Jul 2020 10:47

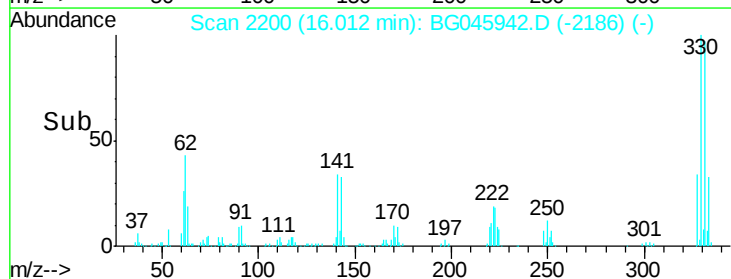
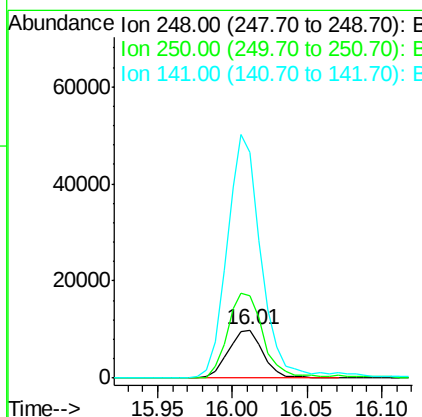
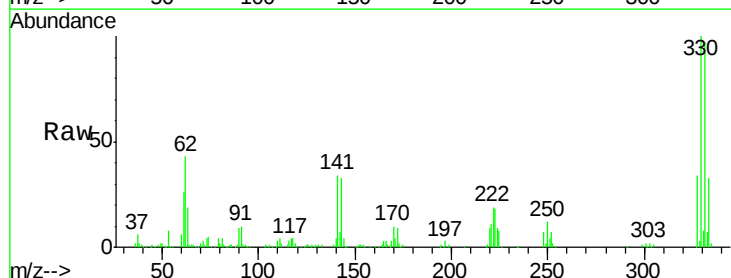
Instrument :
BNA_G
ClientSampleId :
TP11-SS

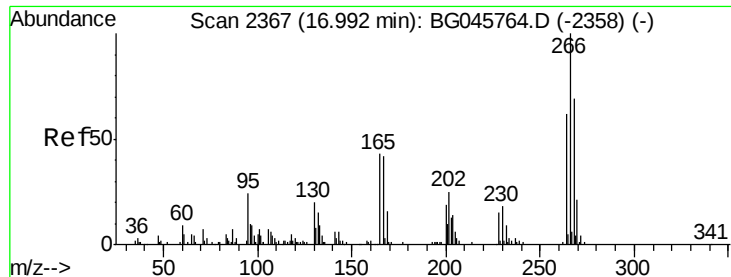
Tot Ion:188 Resp: 292991
Ion Ratio Lower Upper
188 100
94 7.0 5.5 8.3
80 8.5 6.1 9.1



#67
4-Bromophenyl-phenylether
Concen: 4.264 ng
RT: 16.01 min Scan# 2200
Delta R.T. -0.45 min
Lab File: BG045942.D
Acq: 3 Jul 2020 10:47

Tgt Ion:248 Resp: 16233
Ion Ratio Lower Upper
248 100
250 169.3 77.2 115.8#
141 466.5 52.6 79.0#





#70

Pentachlorophenol

Concen: 7.658 ng

RT: 16.99 min Scan# 2366

Delta R.T. 0.05 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

Instrument :

BNA_G

ClientSampleId :

TP11-SS

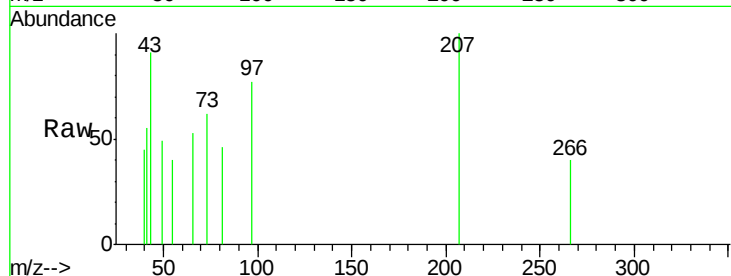
Tot Ion:266 Resp: 54

Ion Ratio Lower Upper

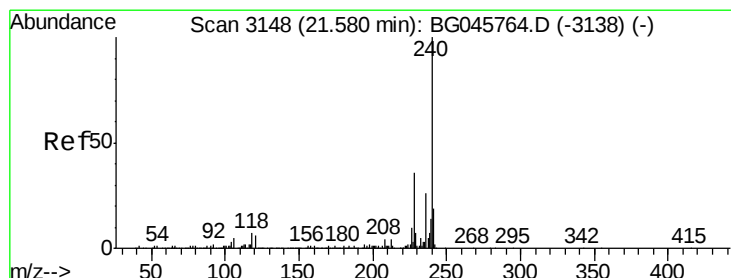
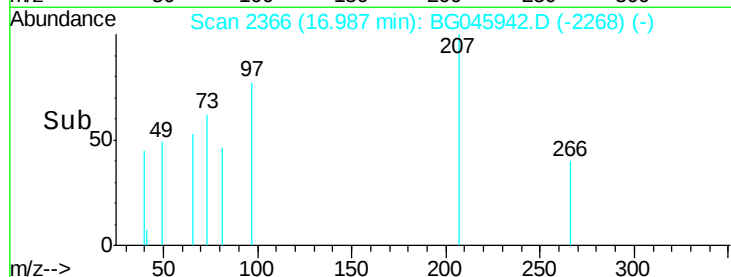
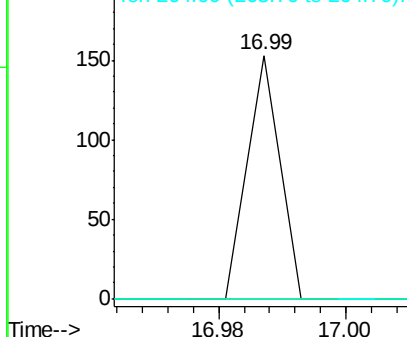
266 100

268 0.0 50.5 75.7#

264 0.0 47.0 70.6#



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: 21.51 min Scan# 3136

Delta R.T. -0.01 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

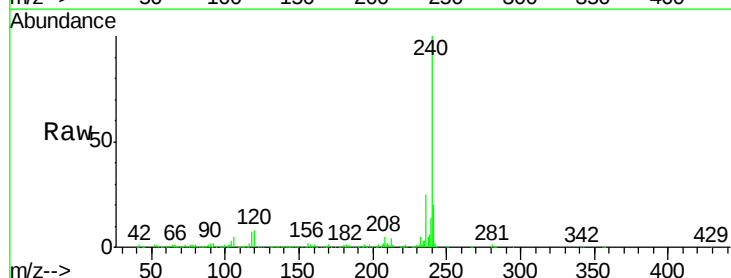
Tgt Ion:240 Resp: 323539

Ion Ratio Lower Upper

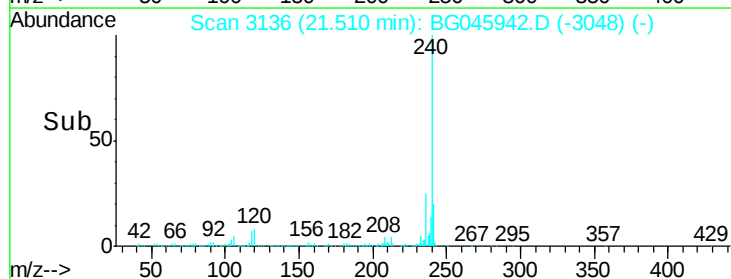
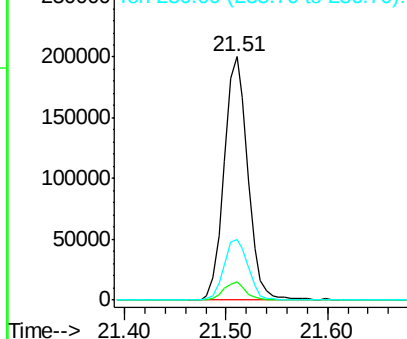
240 100

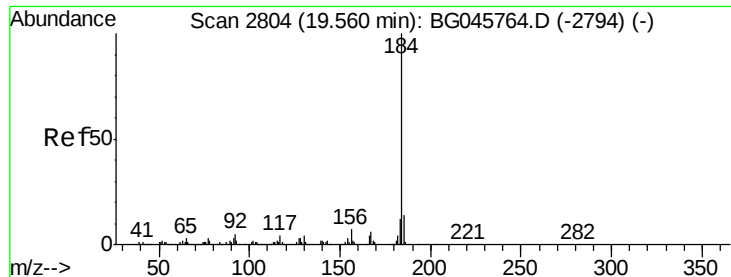
120 7.6 5.2 7.8

236 24.8 20.8 31.2



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: 3.447 ng

RT: 19.88 min Scan# 2859

Delta R.T. 0.38 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

Instrument :

BNA_G

ClientSampleId :

TP11-SS

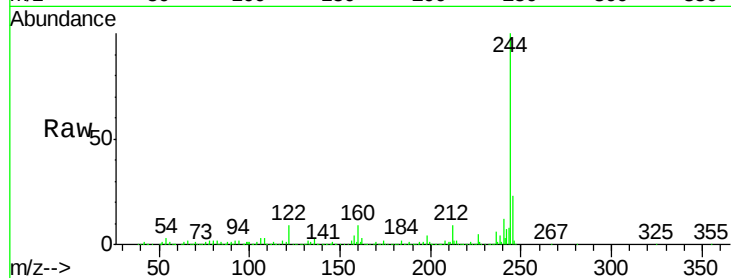
Tot Ion:184 Resp: 28995

Ion Ratio Lower Upper

184 100

185 17.6 11.1 16.7#

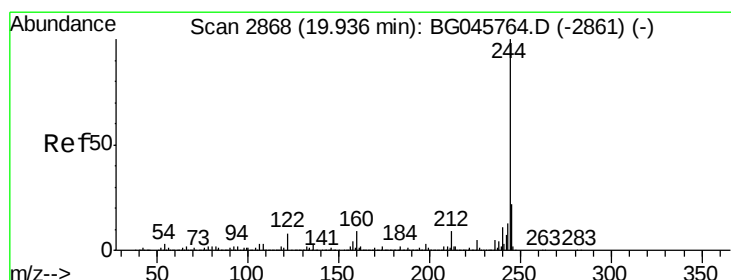
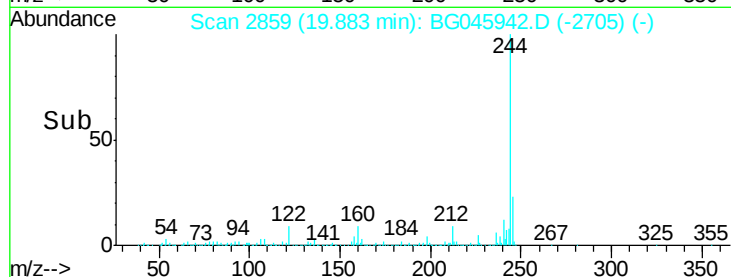
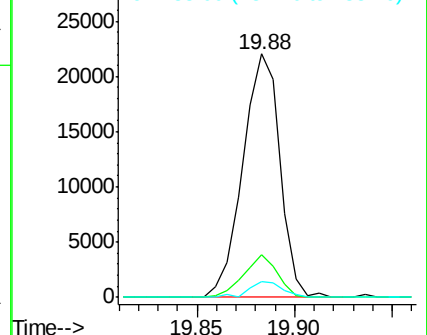
183 6.3 10.6 15.8#



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: 98.552 ng

RT: 19.88 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG045942.D

Acq: 3 Jul 2020 10:47

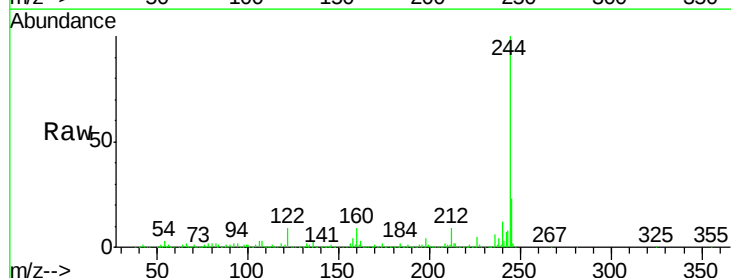
Tgt Ion:244 Resp: 1573354

Ion Ratio Lower Upper

244 100

212 9.3 7.0 10.6

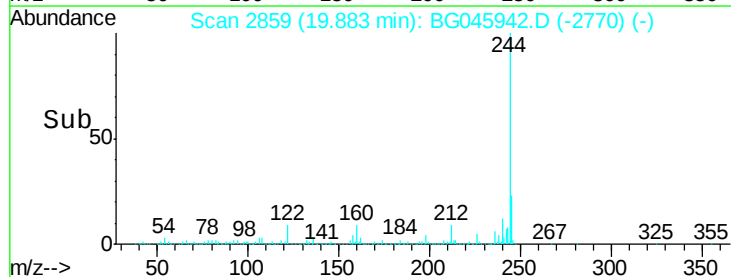
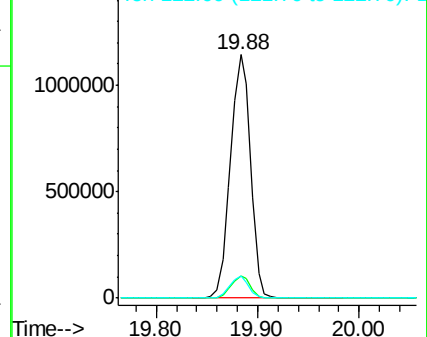
122 9.1 6.6 9.8

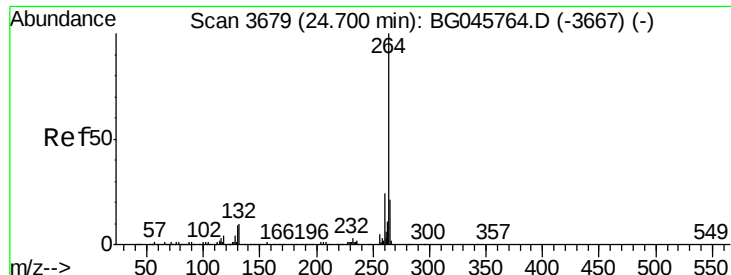


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 24.59 min Scan# 3660
 Delta R.T. -0.01 min
 Lab File: BG045942.D
 Acq: 3 Jul 2020 10:47

Instrument :
 BNA_G
 ClientSampleId :
 TP11-SS

Tot Ion	Ion	Ratio	Lower	Upper
264	100			
260	25.1	18.5	27.7	
265	21.1	16.4	24.6	

