

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG070120\
 Data File : BG045904.D
 Acq On : 1 Jul 2020 13:43
 Operator : CG/JU
 Sample : L3153-29
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SP2-G

Quant Time: Jul 01 15:02:28 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

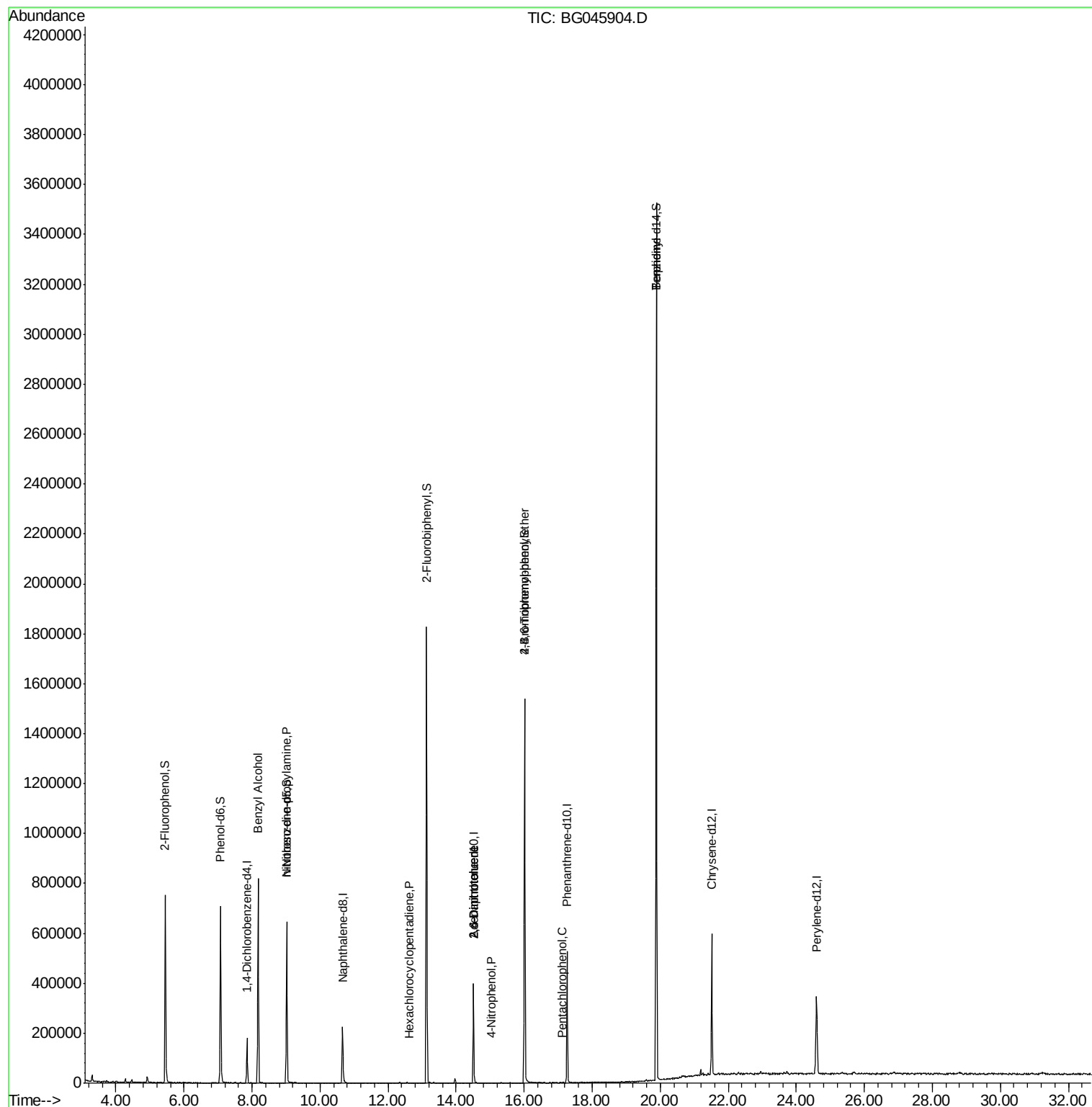
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	54984	20.00	ng	-0.04
21) Naphthalene-d8	10.67	136	201647	20.00	ng	-0.04
39) Acenaphthene-d10	14.51	164	144140	20.00	ng	-0.04
64) Phenanthrene-d10	17.26	188	341056	20.00	ng	-0.04
76) Chrysene-d12	21.52	240	341983	20.00	ng	-0.04
86) Perylene-d12	24.59	264	336253	20.00	ng	-0.08
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	373090	114.62	ng	-0.04
7) Phenol-d6	7.08	99	470217	94.97	ng	-0.04
23) Nitrobenzene-d5	9.02	82	430641	97.56	ng	-0.04
42) 2,4,6-Tribromophenol	16.01	330	307030	141.09	ng	-0.04
45) 2-Fluorobiphenyl	13.13	172	968107	98.70	ng	-0.04
79) Terphenyl-d14	19.89	244	1677068	99.38	ng	-0.03
Target Compounds						
15) Benzyl Alcohol	8.18	79	8025	2.095	ng	# 67
19) n-Nitroso-di-n-propylamine	9.02	70	60382	18.550	ng	# 80
41) Hexachlorocyclopentadiene	12.62	237	61	8.440	ng	# 28
51) 2,6-Dinitrotoluene	14.51	165	19879	7.838	ng	# 22
56) 4-Nitrophenol	15.04	139	59	4.004	ng	# 1
57) 2,4-Dinitrotoluene	14.51	165	19879	5.471	ng	# 23
67) 4-Bromophenyl-phenylether	16.01	248	20997	4.738	ng	# 1
70) Pentachlorophenol	17.12	266	54	7.654	ng	# 19
77) Benzidine	19.89	184	31587	3.553	ng	# 87

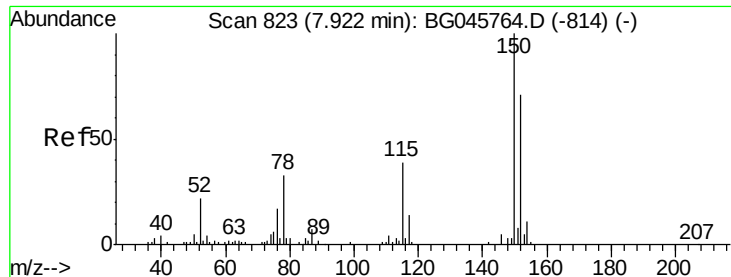
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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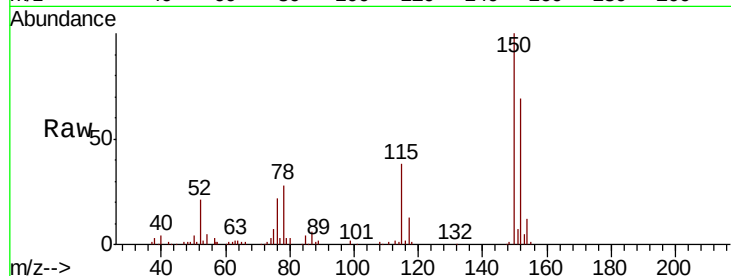


#1

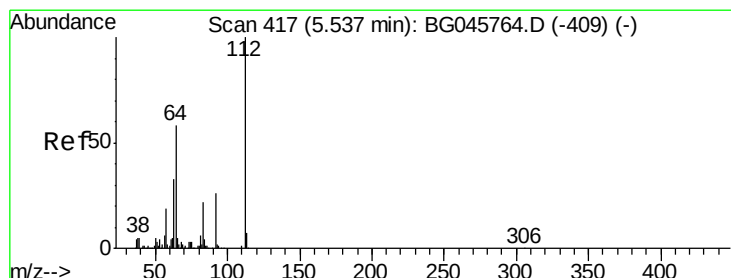
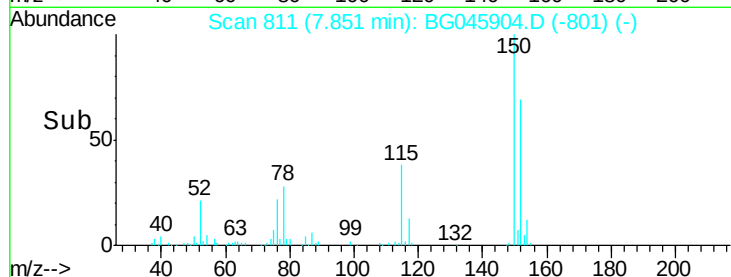
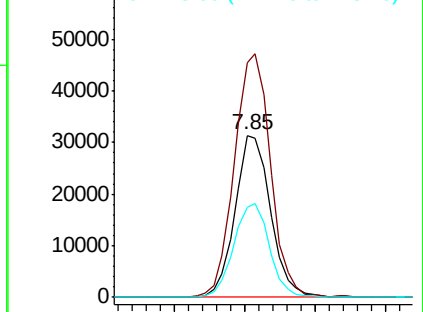
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.85 min Scan# 811
Delta R.T. -0.04 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

Instrument :
BNA_G
ClientSampleId :
SP2-G

Tot Ion:152 Resp: 54984
Ion Ratio Lower Upper
152 100
150 145.0 121.2 181.8
115 55.4 47.5 71.3



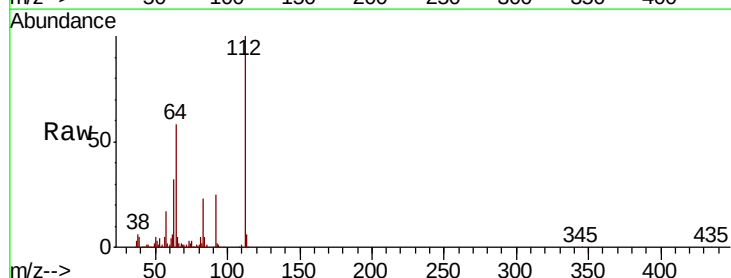
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



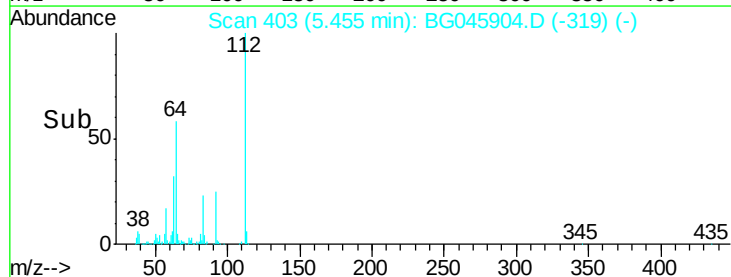
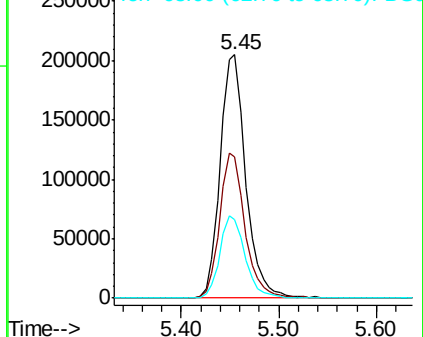
#5

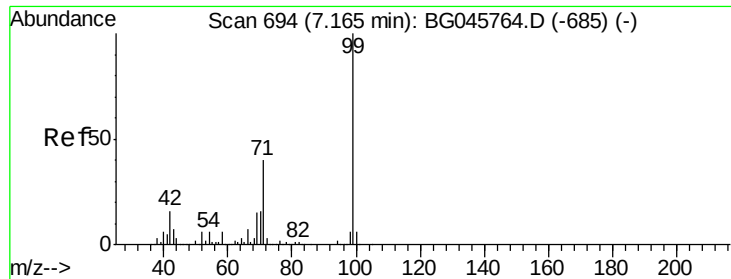
2-Fluorophenol
Concen: 114.622 ng
RT: 5.45 min Scan# 403
Delta R.T. -0.04 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

Tgt Ion:112 Resp: 373090
Ion Ratio Lower Upper
112 100
64 57.8 48.5 72.7
63 32.4 26.5 39.7



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: 94.973 ng

RT: 7.08 min Scan# 679

Delta R.T. -0.04 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

Instrument :

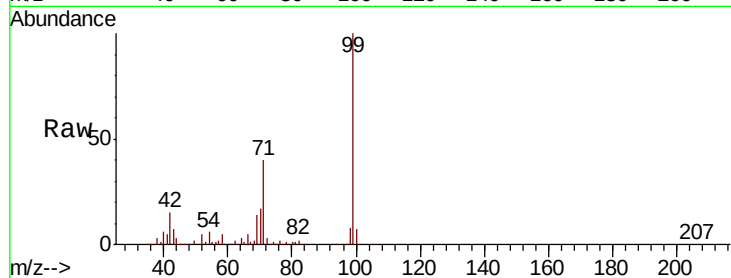
BNA_G

ClientSampleId :

SP2-G

Tot Ion: 99 Resp: 470217

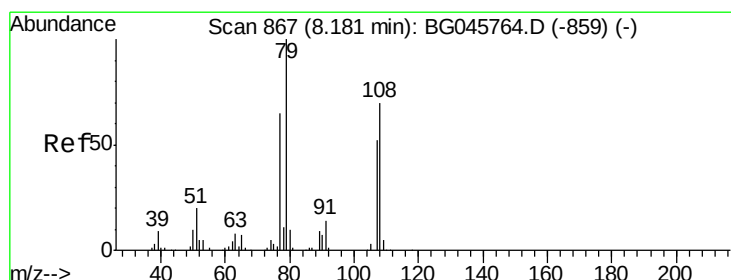
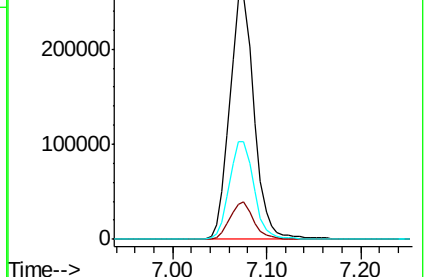
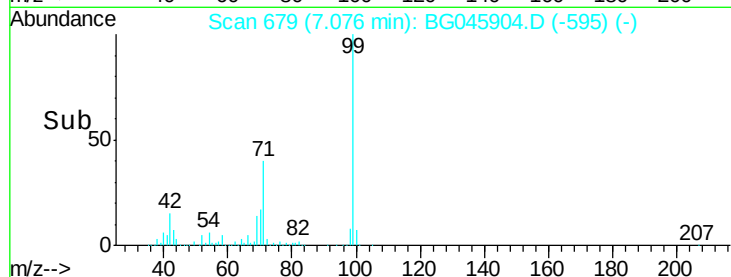
Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.0	18.0
71	40.3	31.0	46.4



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



#15

Benzyl Alcohol

Concen: 2.095 ng

RT: 8.18 min Scan# 867

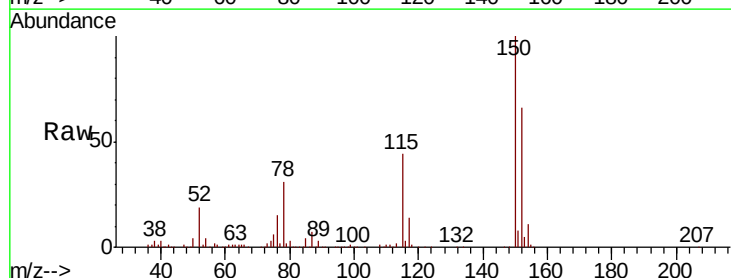
Delta R.T. 0.03 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

Tgt Ion: 79 Resp: 8025

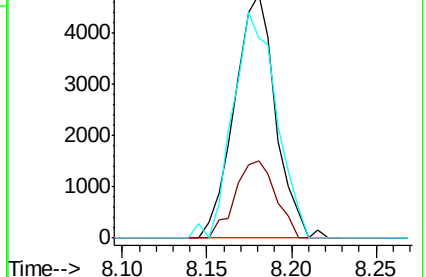
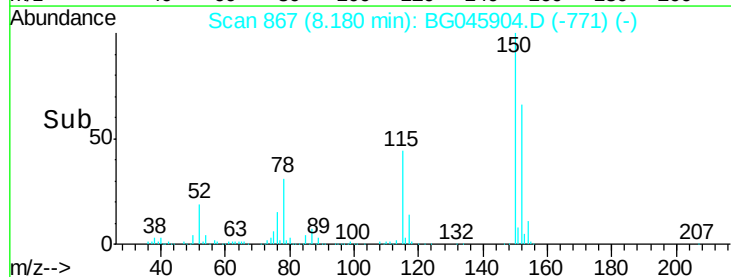
Ion	Ratio	Lower	Upper
79	100		
108	31.6	54.7	82.1#
77	82.1	52.6	79.0#

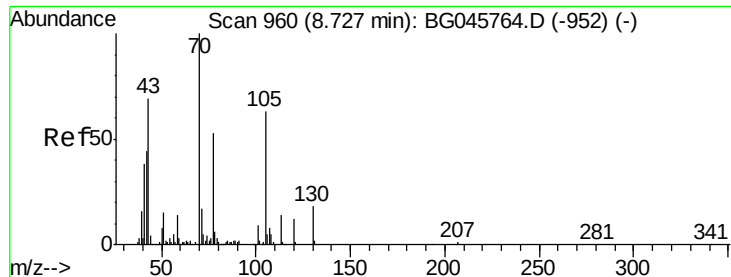


Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

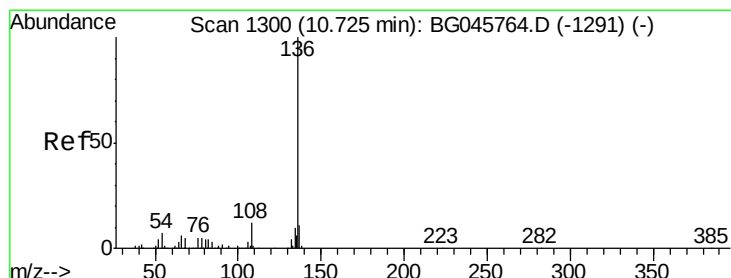
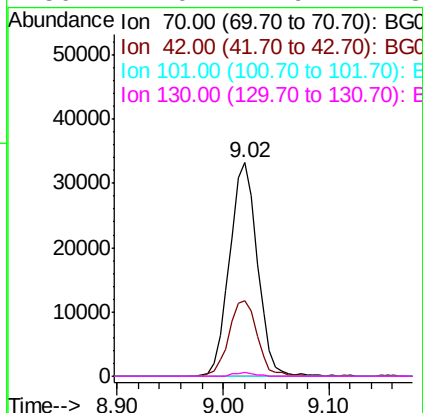
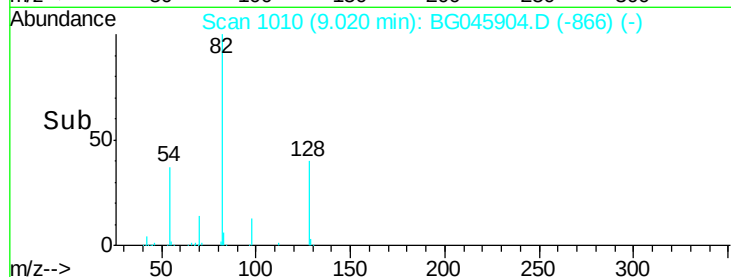
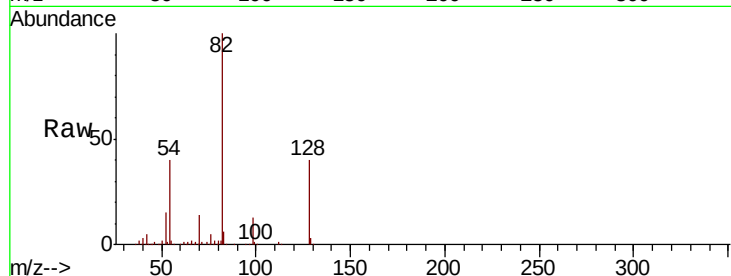




#19
n-Nitroso-di-n-propylamine
Concen: 18.550 ng
RT: 9.02 min Scan# 1010
Delta R.T. 0.32 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

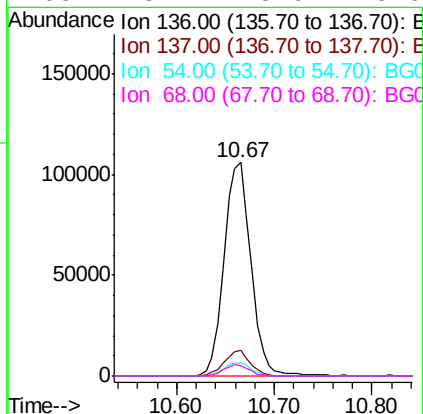
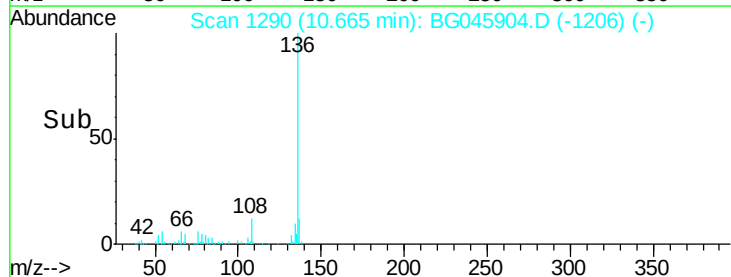
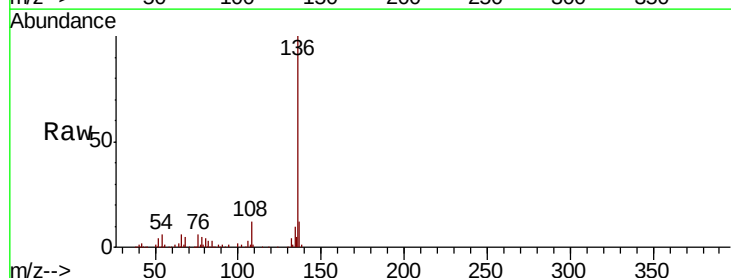
Instrument :
BNA_G
ClientSampleId :
SP2-G

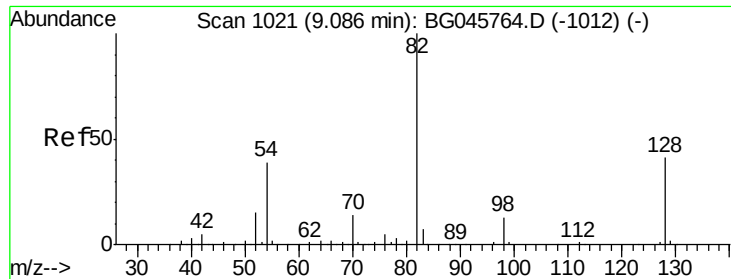
Tot Ion: 70 Resp: 60382
Ion Ratio Lower Upper
70 100
42 35.1 33.9 50.9
101 0.0 8.0 12.0#
130 2.0 14.9 22.3#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.67 min Scan# 1290
Delta R.T. -0.04 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

Tgt Ion: 136 Resp: 201647
Ion Ratio Lower Upper
136 100
137 12.0 9.4 14.0
54 6.2 4.9 7.3
68 5.1 3.9 5.9

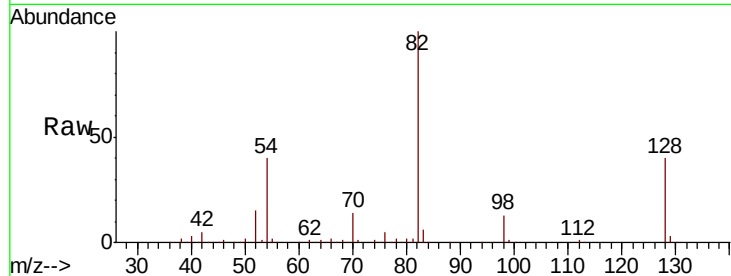




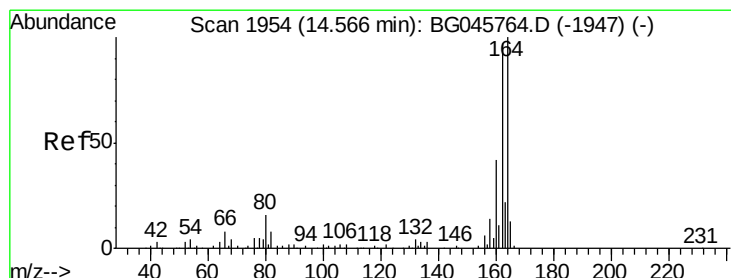
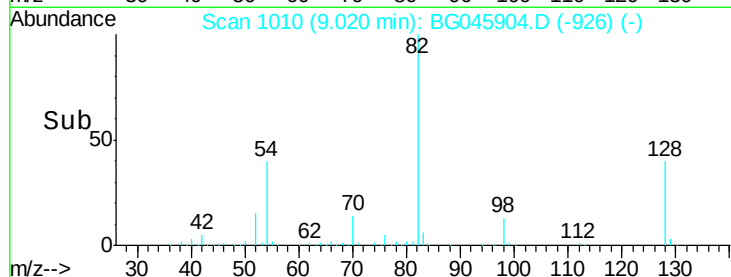
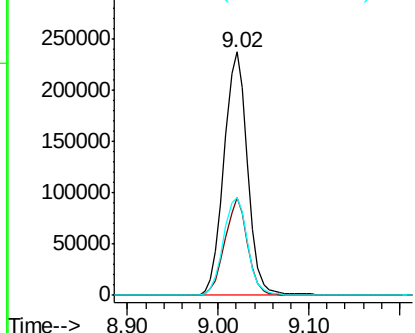
#23
Nitrobenzene-d5
Concen: 97.562 ng
RT: 9.02 min Scan# 1010
Delta R.T. -0.04 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

Instrument :
BNA_G
ClientSampleId :
SP2-G

Tot Ion: 82 Resp: 430641
Ion Ratio Lower Upper
82 100
128 40.1 31.3 46.9
54 40.2 32.6 49.0

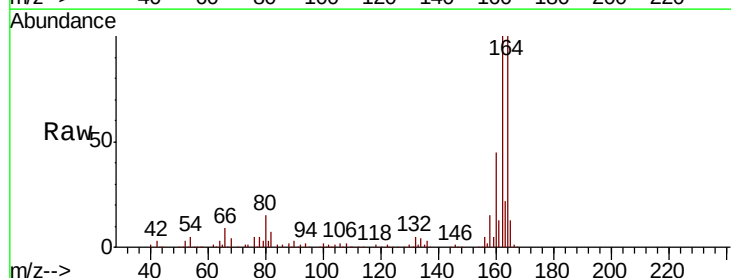


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

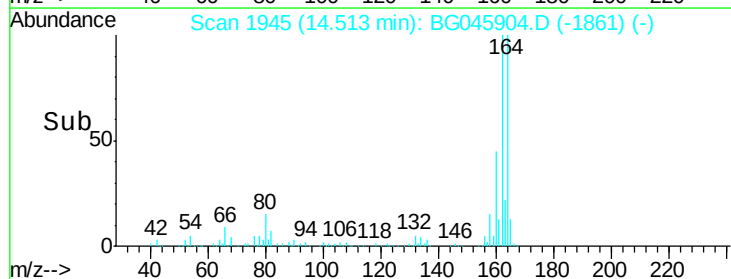
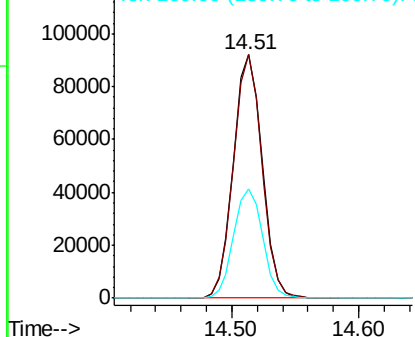


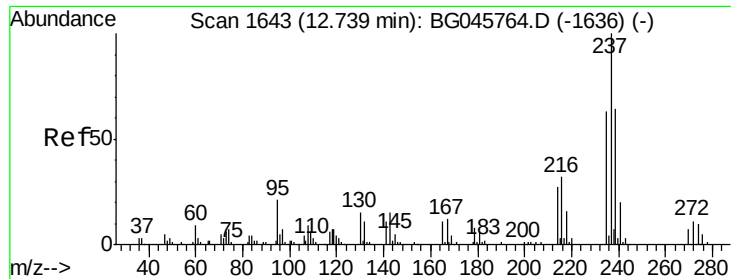
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.04 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

Tgt Ion: 164 Resp: 144140
Ion Ratio Lower Upper
164 100
162 100.0 80.6 120.8
160 45.1 35.0 52.4



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





#41

Hexachlorocyclopentadiene

Concen: 8.440 ng

RT: 12.62 min Scan# 1623

Delta R.T. -0.10 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

Instrument :

BNA_G

ClientSampleId :

SP2-G

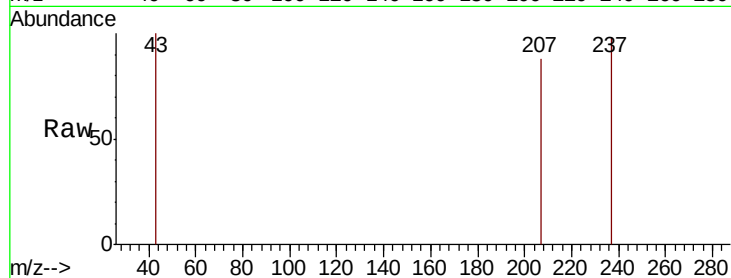
Tot Ion:237 Resp: 61

Ion Ratio Lower Upper

237 100

235 0.0 41.3 81.3#

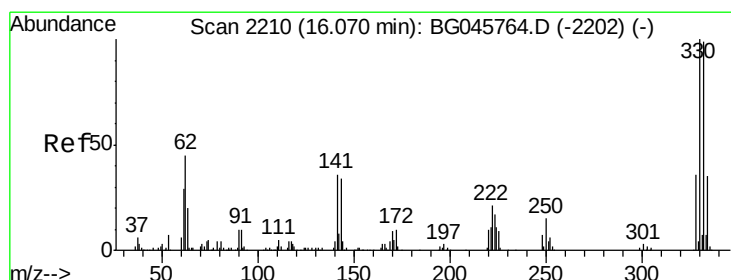
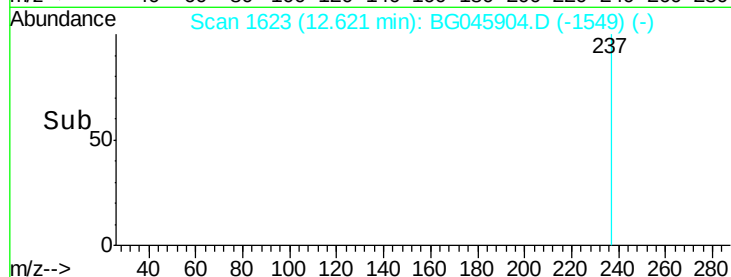
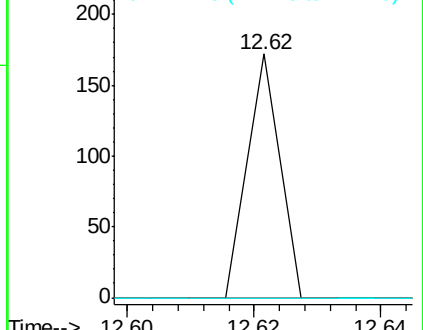
272 0.0 0.0 32.9



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: 141.089 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.04 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

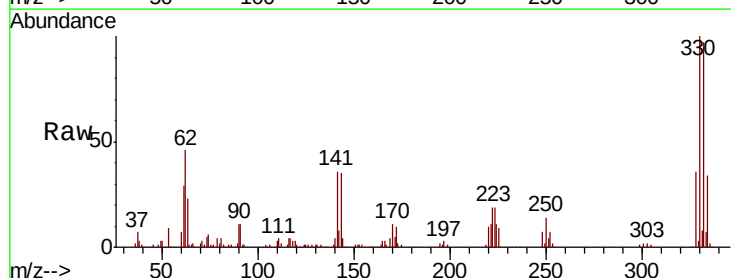
Tgt Ion:330 Resp: 307030

Ion Ratio Lower Upper

330 100

332 98.4 76.6 114.8

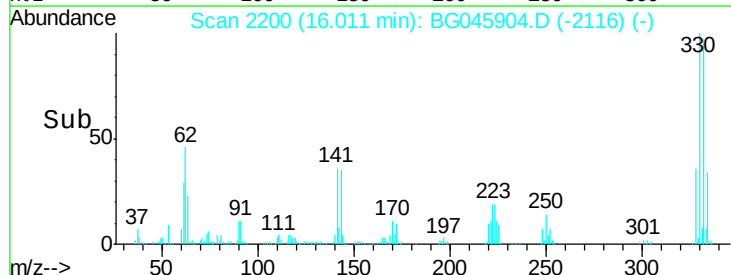
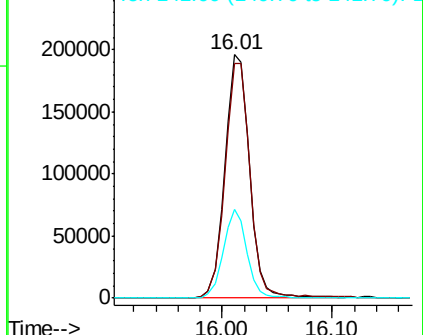
141 34.4 27.7 41.5

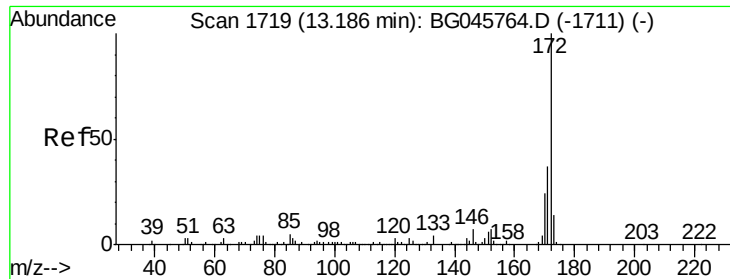


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

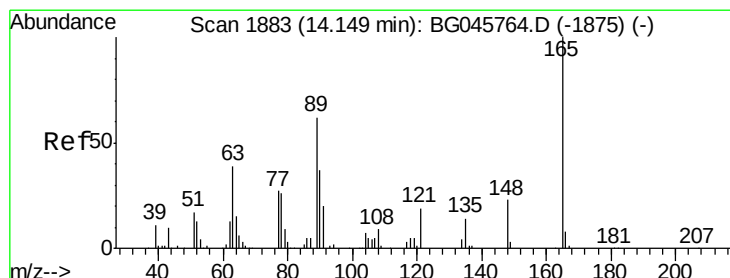
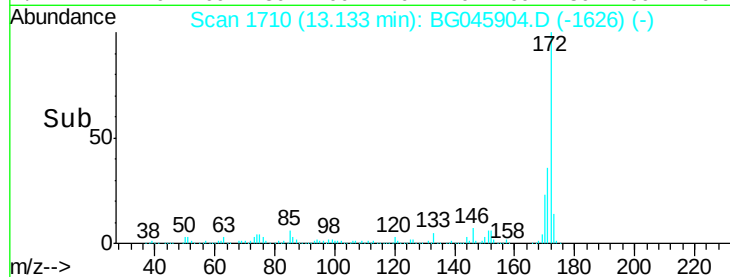
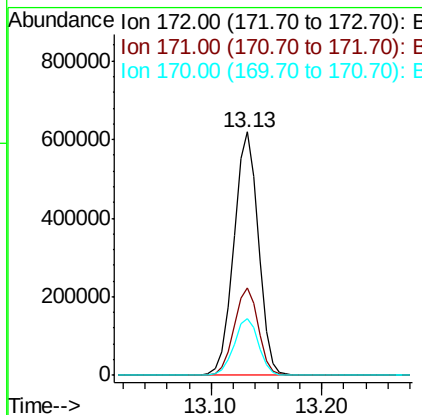
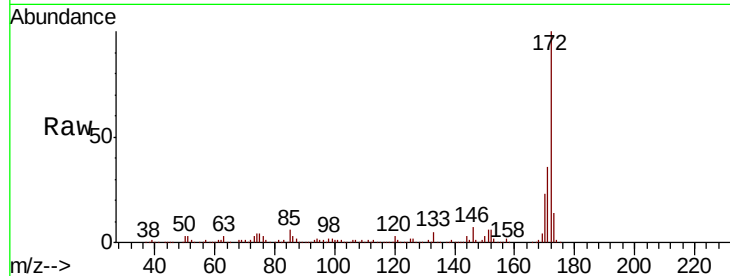




#45
 2-Fluorobiphenyl
 Concen: 98.702 ng
 RT: 13.13 min Scan# 1710
 Delta R.T. -0.04 min
 Lab File: BG045904.D
 Acq: 1 Jul 2020 13:43

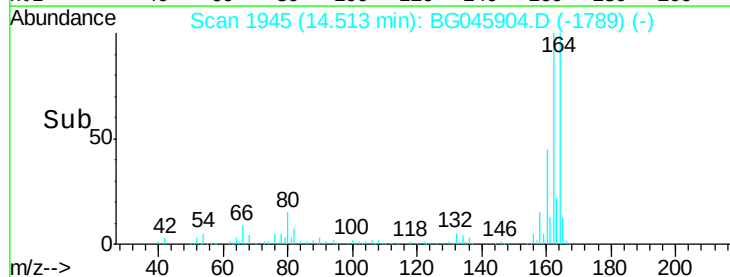
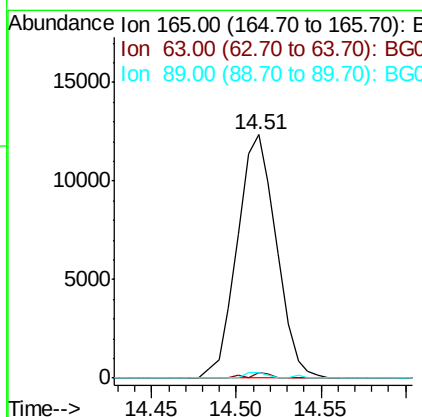
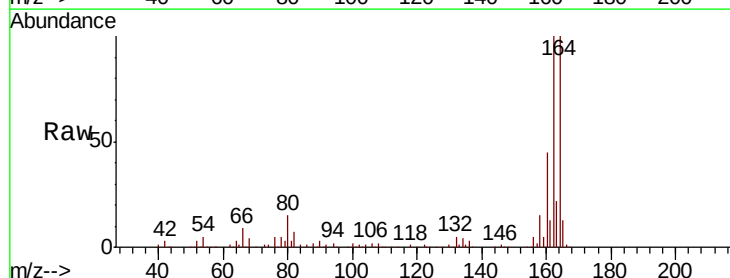
Instrument :
 BNA_G
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 SP2-G

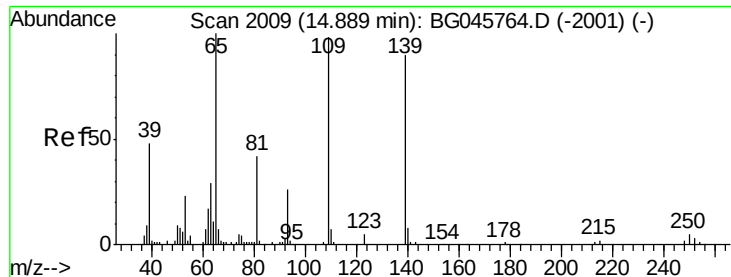
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	23.2	19.1	28.7



#51
 2,6-Dinitrotoluene
 Concen: 7.838 ng
 RT: 14.51 min Scan# 1945
 Delta R.T. 0.39 min
 Lab File: BG045904.D
 Acq: 1 Jul 2020 13:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	45.6	68.4#
89	2.1	52.8	79.2#

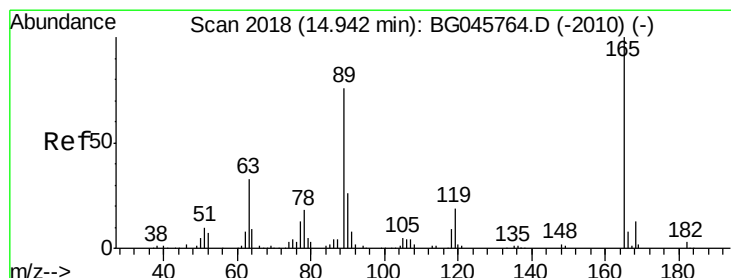
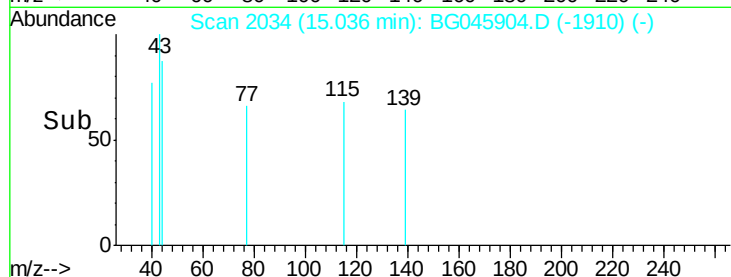
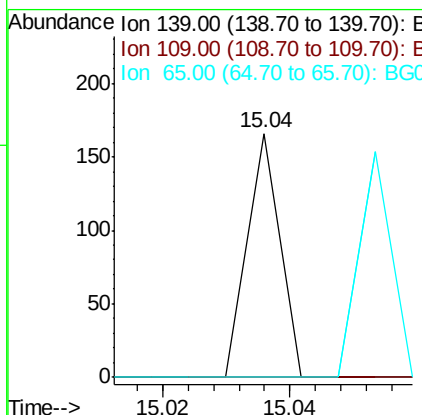
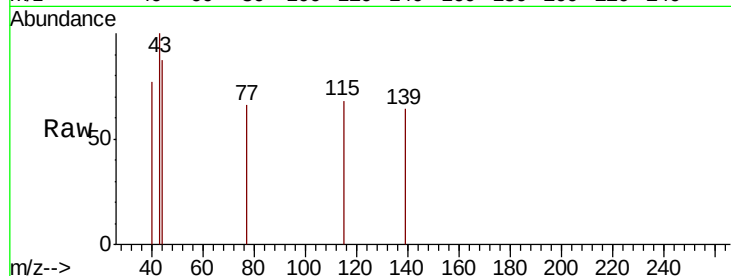




#56
4-Nitrophenol
Concen: 4.004 ng
RT: 15.04 min Scan# 2034
Delta R.T. 0.20 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

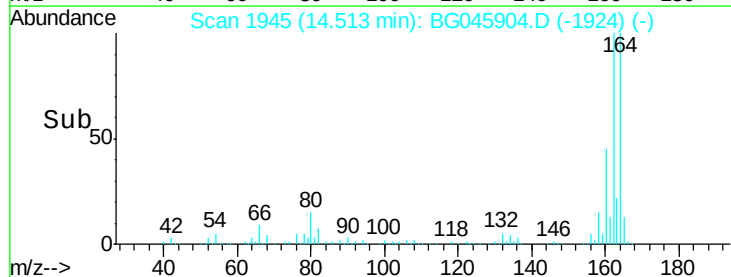
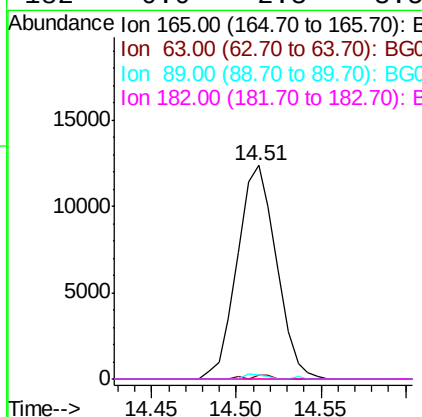
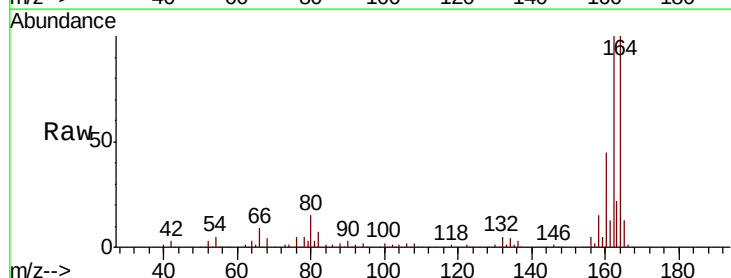
Instrument :
BNA_G
ClientSampleId :
SP2-G

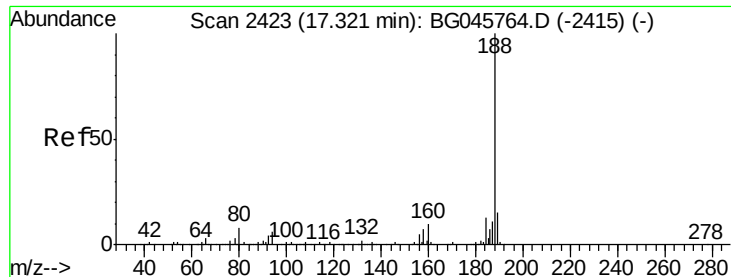
Tot Ion	Ratio	Lower	Upper
139	100		
109	0.0	83.9	123.9#
65	0.0	87.8	127.8#



#57
2,4-Dinitrotoluene
Concen: 5.471 ng
RT: 14.51 min Scan# 1945
Delta R.T. -0.41 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.0	35.2	52.8#
89	2.1	61.4	92.2#
182	0.0	2.3	3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.26 min Scan# 2413

Delta R.T. -0.04 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

Instrument :

BNA_G

ClientSampleId :

SP2-G

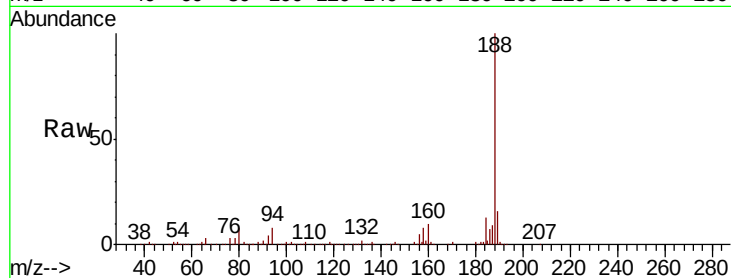
Tot Ion:188 Resp: 341056

Ion Ratio Lower Upper

188 100

94 7.7 5.7 8.5

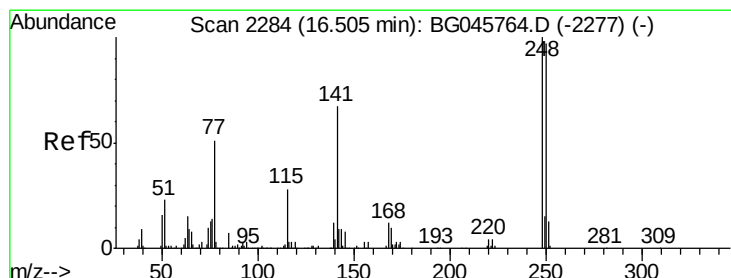
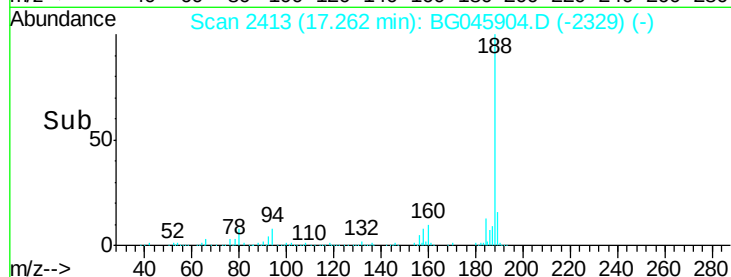
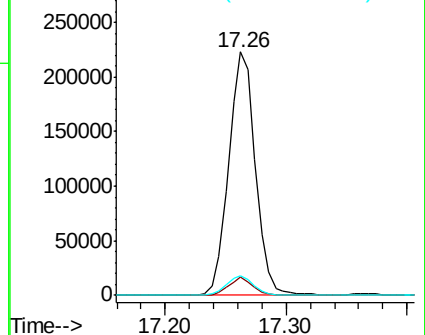
80 7.8 6.6 10.0



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: 4.738 ng

RT: 16.01 min Scan# 2200

Delta R.T. -0.48 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

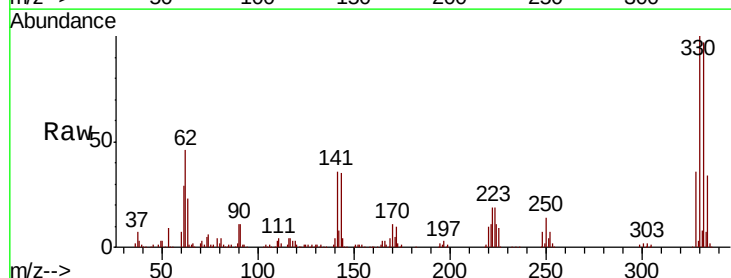
Tgt Ion:248 Resp: 20997

Ion Ratio Lower Upper

248 100

250 197.3 76.8 115.2#

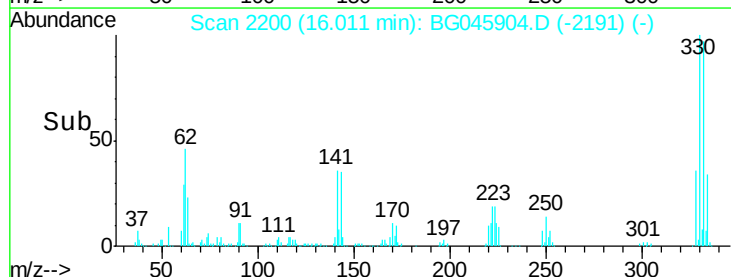
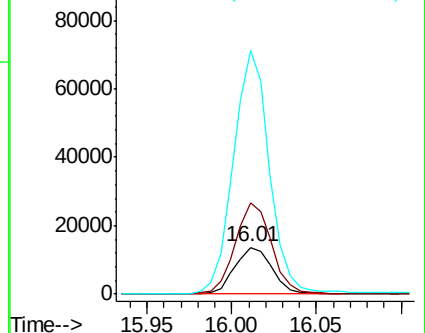
141 523.3 52.6 79.0#

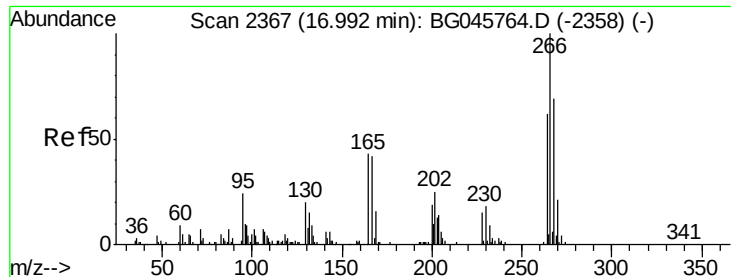


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Pentachlorophenol

Concen: 7.654 ng

RT: 17.12 min Scan# 2389

Delta R.T. 0.15 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

Instrument :

BNA_G

ClientSampleId :

SP2-G

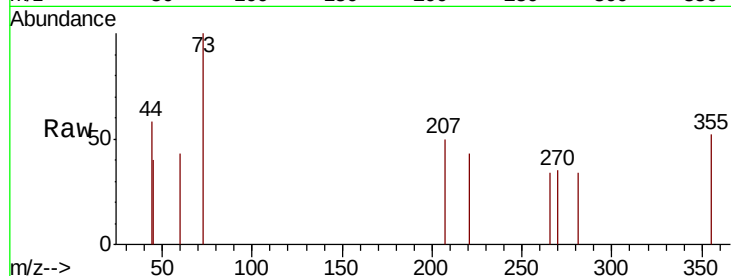
Tot Ion:266 Resp: 54

Ion Ratio Lower Upper

266 100

268 0.0 50.9 76.3#

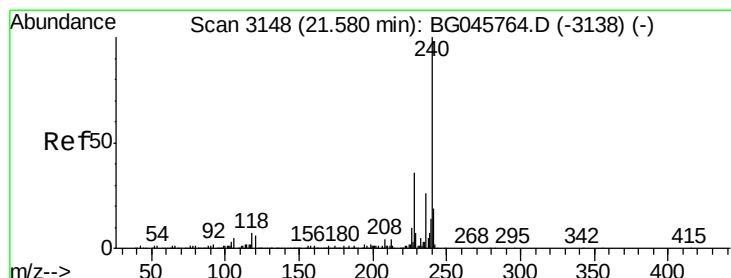
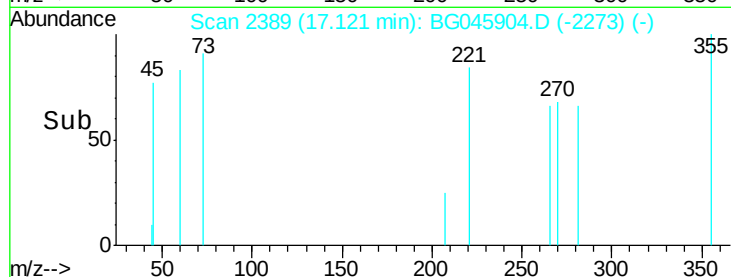
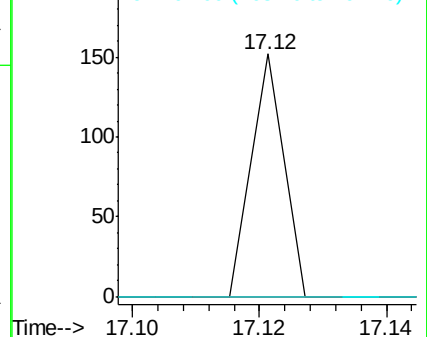
264 0.0 49.8 74.8#



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: 21.52 min Scan# 3137

Delta R.T. -0.04 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

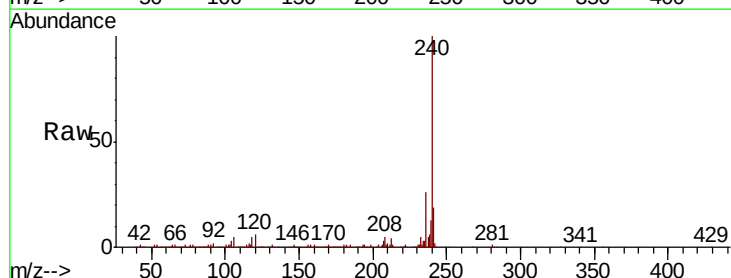
Tgt Ion:240 Resp: 341983

Ion Ratio Lower Upper

240 100

120 6.4 5.6 8.4

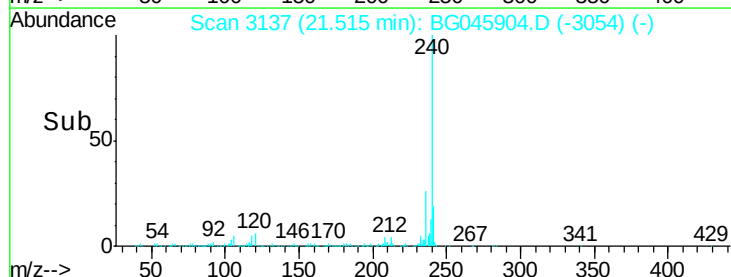
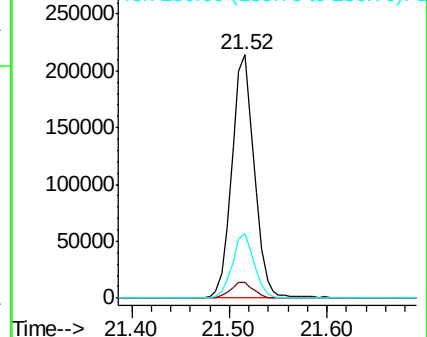
236 26.4 21.3 31.9

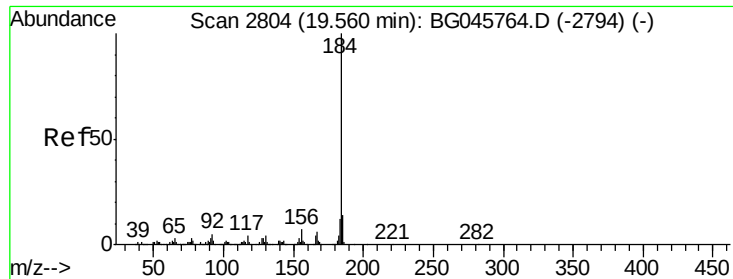


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.553 ng

RT: 19.89 min Scan# 2860

Delta R.T. 0.35 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

Instrument :

BNA_G

ClientSampleId :

SP2-G

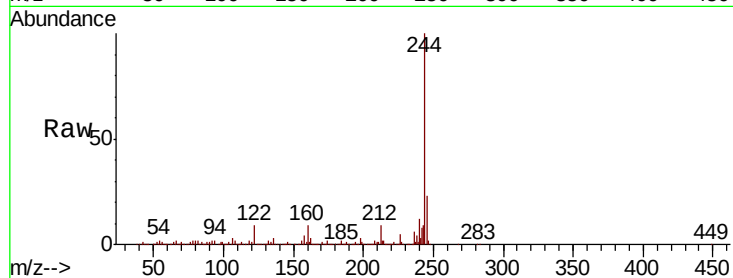
Tot Ion:184 Resp: 31587

Ion Ratio Lower Upper

184 100

185 17.2 10.6 15.8#

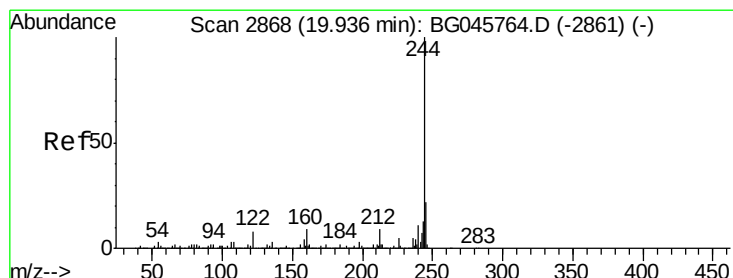
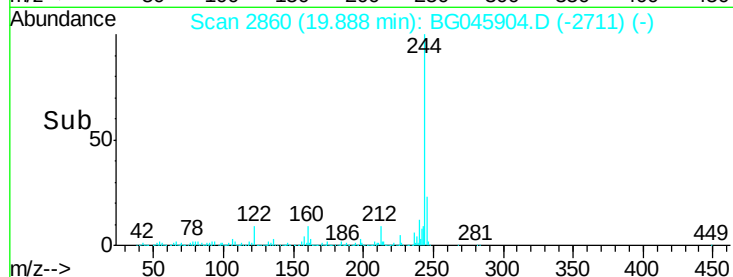
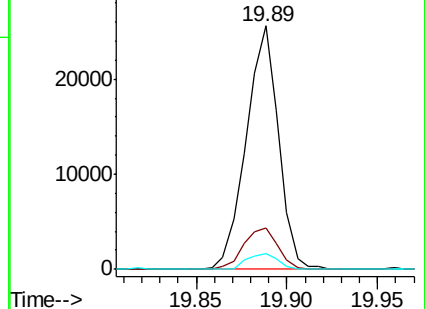
183 6.6 10.1 15.1#



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: 99.383 ng

RT: 19.89 min Scan# 2860

Delta R.T. -0.03 min

Lab File: BG045904.D

Acq: 1 Jul 2020 13:43

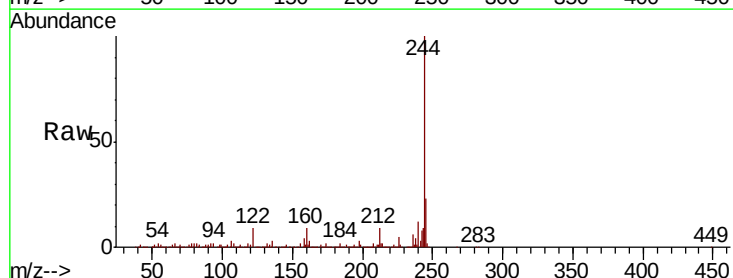
Tgt Ion:244 Resp: 1677068

Ion Ratio Lower Upper

244 100

212 9.3 7.2 10.8

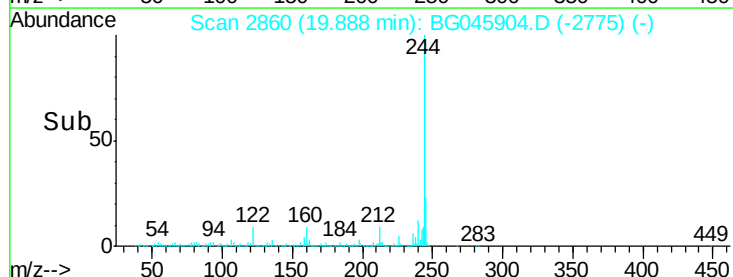
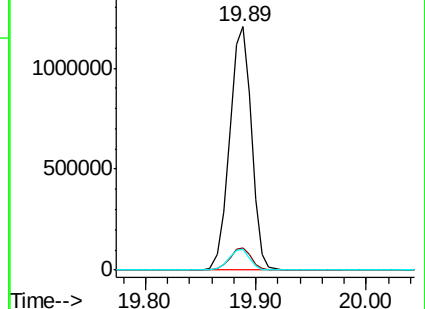
122 8.5 6.9 10.3

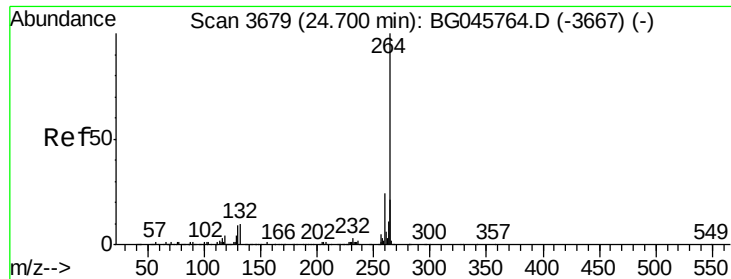


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.59 min Scan# 3661
Delta R.T. -0.08 min
Lab File: BG045904.D
Acq: 1 Jul 2020 13:43

Instrument :
BNA_G
ClientSampleId :
SP2-G

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.5	29.3
265	21.6	17.4	26.0

