

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG061220\
 Data File : BG045754.D
 Acq On : 13 Jun 2020 00:05
 Operator : CG/JU
 Sample : L2979-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 15-SP

Quant Time: Jun 13 00:43:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG051520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 15:07:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	62354	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	254065	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	169034	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	355050	20.00	ng	0.00
76) Chrysene-d12	21.60	240	293284	20.00	ng	0.00
87) Perylene-d12	24.75	264	321394	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.58	112	369980	115.96	ng	0.04
7) Phenol-d6	7.21	99	560634	123.46	ng	0.07
23) Nitrobenzene-d5	9.11	82	364035	78.14	ng	0.00
42) 2,4,6-Tribromophenol	16.10	330	239265	110.68	ng	0.00
45) 2-Fluorobiphenyl	13.21	172	831591	83.45	ng	0.00
79) Terphenyl-d14	19.96	244	1041342	82.81	ng	0.00

Target Compounds

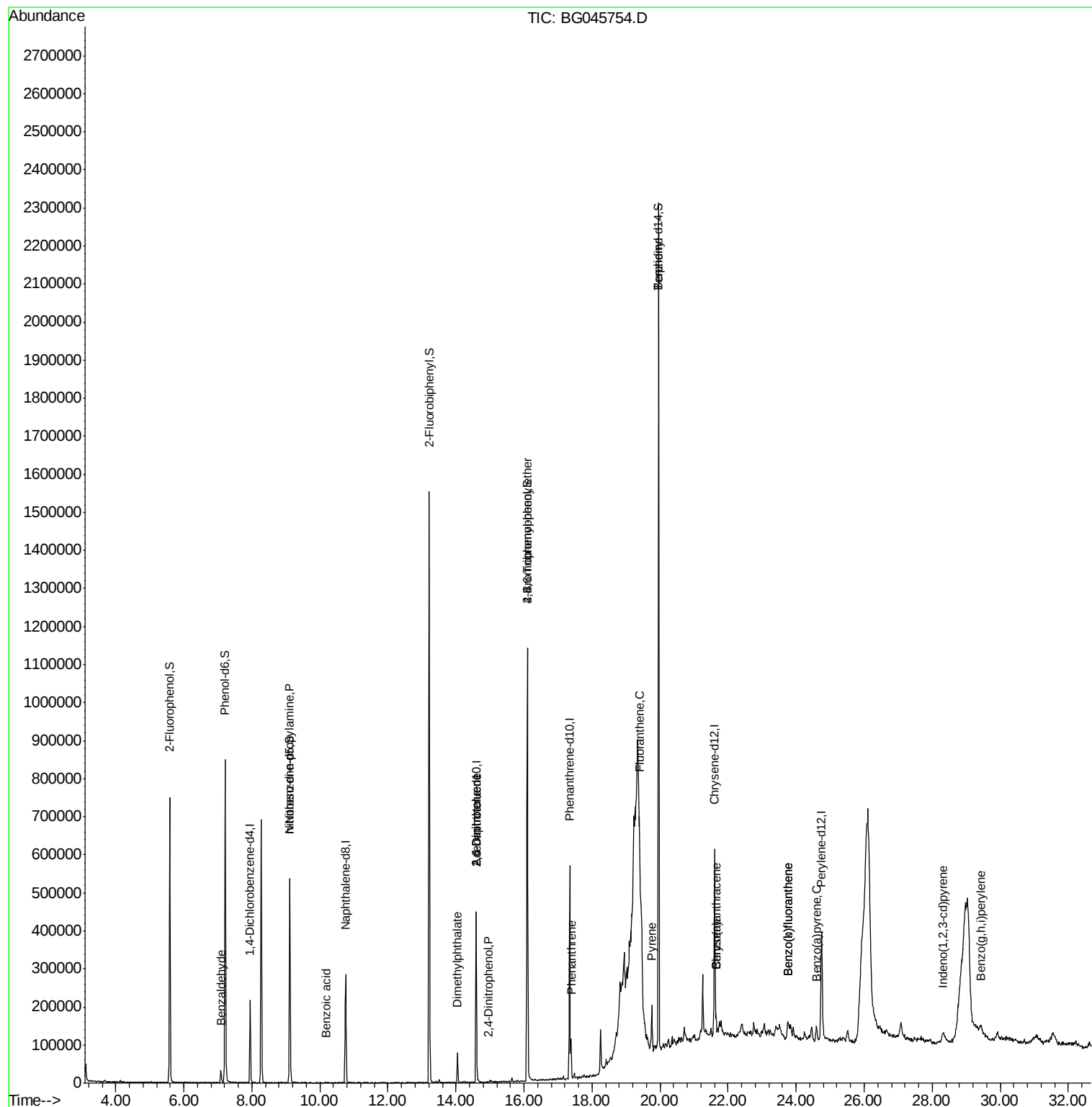
						Qvalue
9) Benzaldehyde	7.09	77	15208	5.140	ng	91
19) n-Nitroso-di-n-propylamine	9.12	70	50121	15.961	ng	# 81
32) Benzoic acid	10.19	122	85	10.054	ng	# 27
50) Dimethylphthalate	14.05	163	52914	4.563	ng	100
51) 2,6-Dinitrotoluene	14.59	165	22639	8.652	ng	# 24
54) 2,4-Dinitrophenol	14.96	184	68	5.496	ng	# 17
57) 2,4-Dinitrotoluene	14.59	165	22639	5.974	ng	# 23
67) 4-Bromophenyl-phenylether	16.10	248	15990	4.159	ng	# 1
71) Phenanthrene	17.38	178	67713	4.369	ng	97
75) Fluoranthene	19.40	202	89644	4.547	ng	91
77) Benzidine	19.96	184	19002	2.307	ng	# 85
78) Pyrene	19.76	202	79234	4.739	ng	95
81) Benzo(a)anthracene	21.65	228	44671	2.734	ng	97
83) Chrysene	21.65	228	44671	2.844	ng	98
86) Indeno(1,2,3-cd)pyrene	28.32	276	41854	2.037	ng	# 70
88) Benzo(b)fluoranthene	23.76	252	61554	3.571	ng	# 93
89) Benzo(k)fluoranthene	23.76	252	61554	3.801	ng	# 93
90) Benzo(a)pyrene	24.60	252	40400	2.517	ng	# 96
92) Benzo(a,h,i)perylene	29.43	276	38658	2.396	ng	97

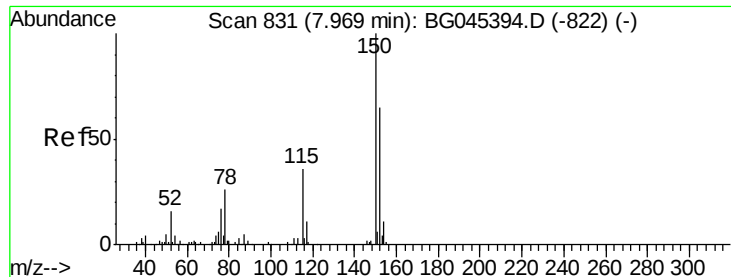
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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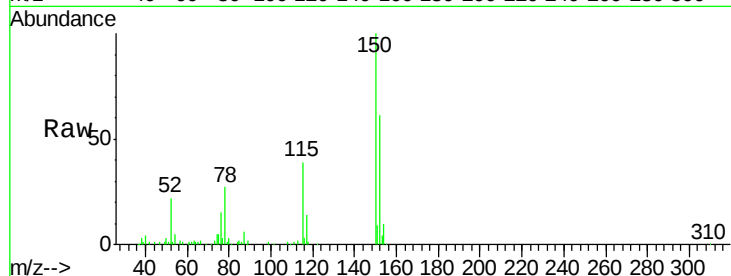


#1

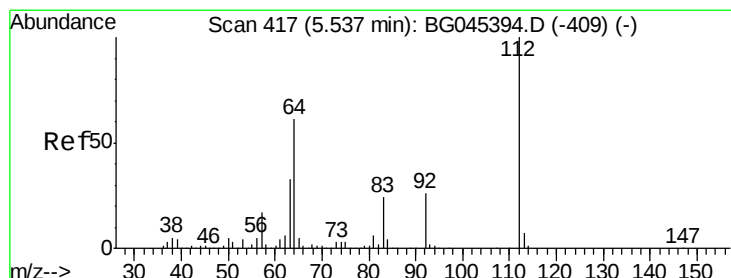
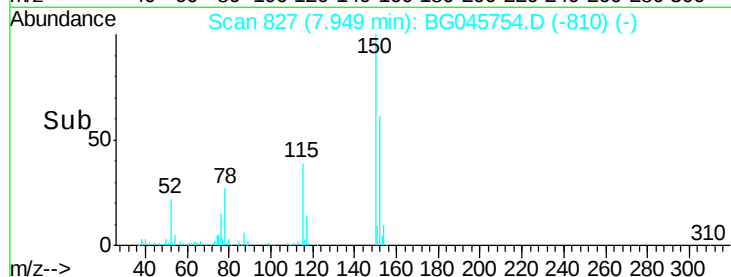
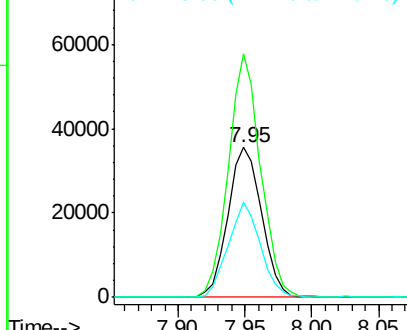
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 827
Delta R.T. -0.00 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

Instrument :
BNA_G
ClientSampleId :
15-SP

Tot Ion	Ratio	Lower	Upper
152	100		
150	162.6	122.4	183.6
115	63.3	44.2	66.4



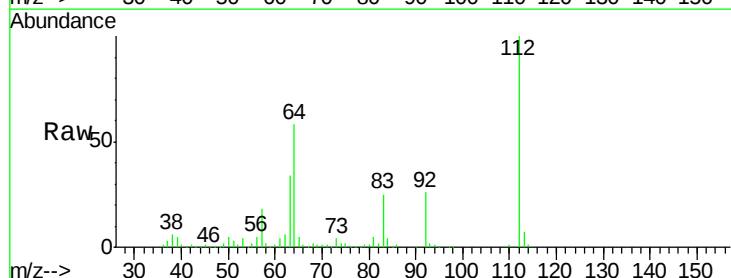
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



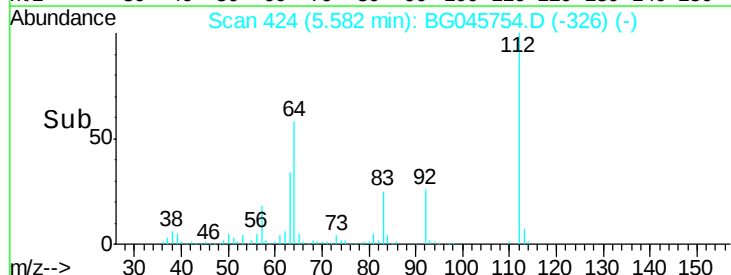
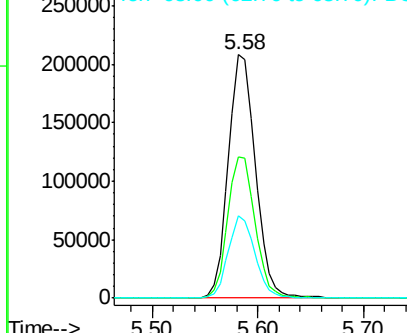
#5

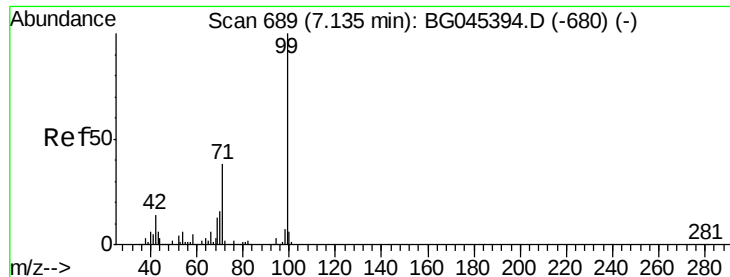
2-Fluorophenol
Concen: 115.959 ng
RT: 5.58 min Scan# 424
Delta R.T. 0.04 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	48.6	72.8
63	33.6	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: 123.455 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.07 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampleId :

15-SP

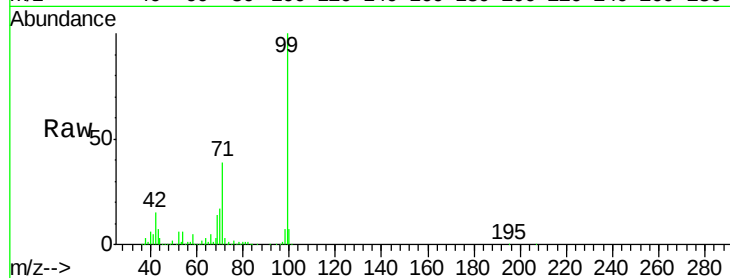
Tot Ion: 99 Resp: 560634

Ion Ratio Lower Upper

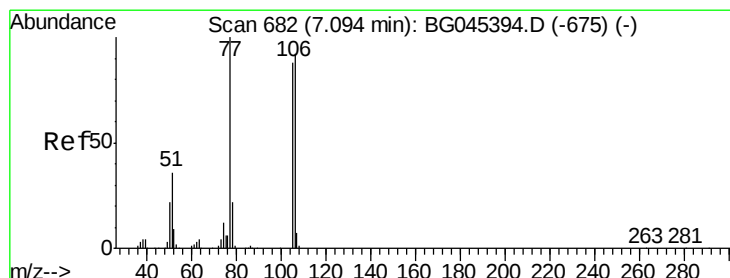
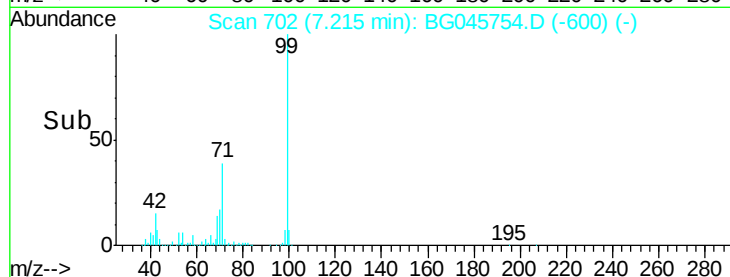
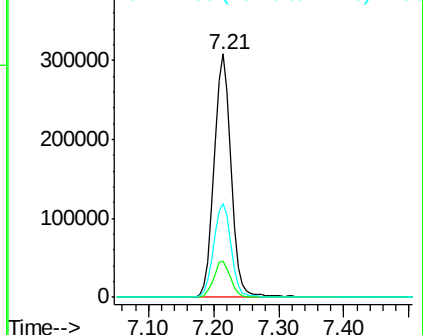
99 100

42 15.0 11.3 16.9

71 38.6 30.8 46.2



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



#9

Benzaldehyde

Concen: 5.140 ng

RT: 7.09 min Scan# 681

Delta R.T. 0.01 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

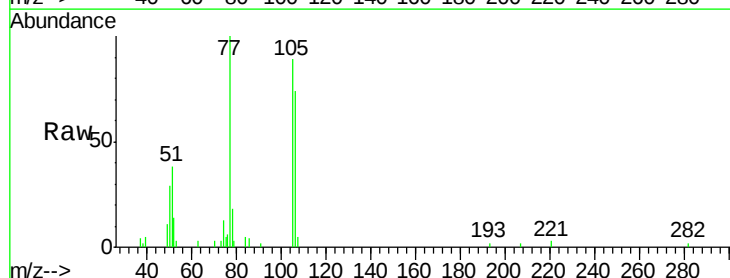
Tgt Ion: 77 Resp: 15208

Ion Ratio Lower Upper

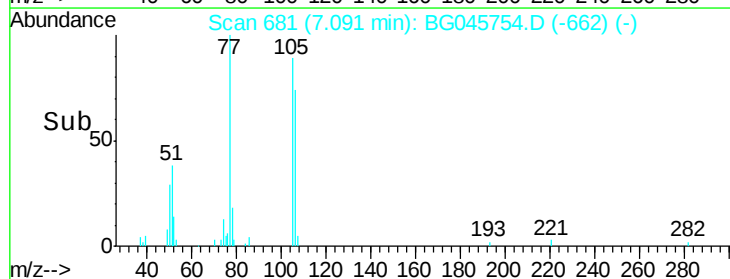
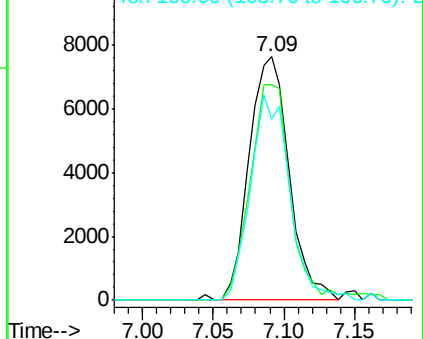
77 100

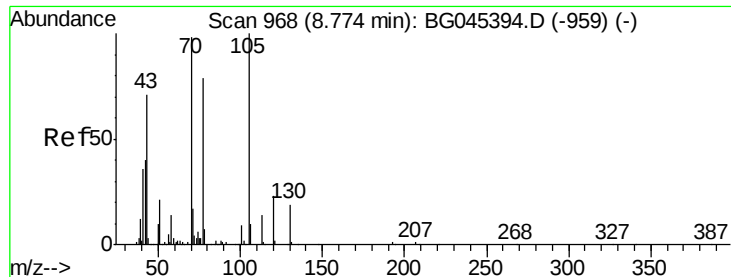
105 88.7 68.5 108.5

106 74.1 71.6 111.6



Abundance Ion 77.00 (76.70 to 77.70): BGC
Ion 105.00 (104.70 to 105.70): BGC
Ion 106.00 (105.70 to 106.70): BGC

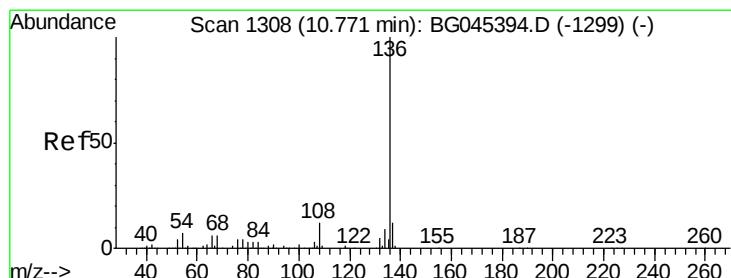
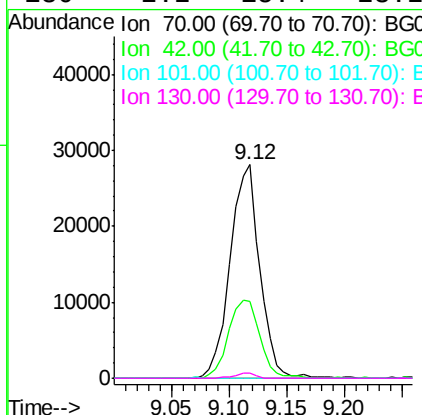
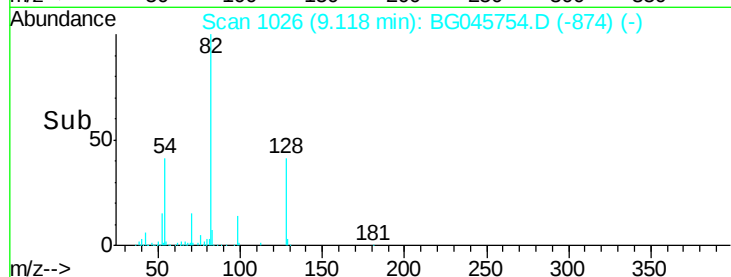
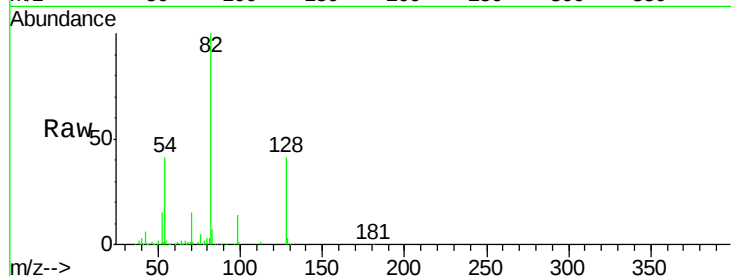




#19
n-Nitroso-di-n-propylamine
Concen: 15.961 ng
RT: 9.12 min Scan# 1026
Delta R.T. 0.36 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

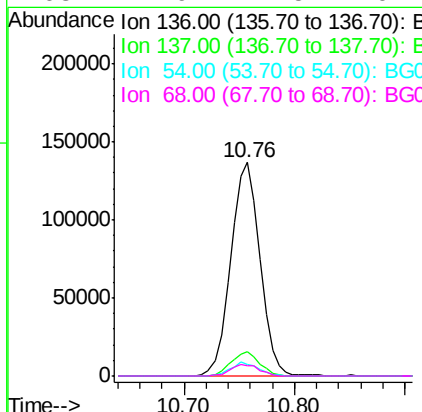
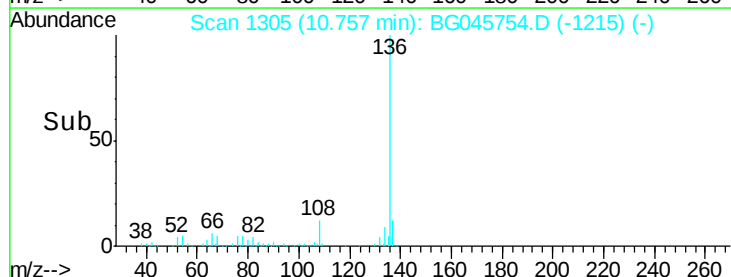
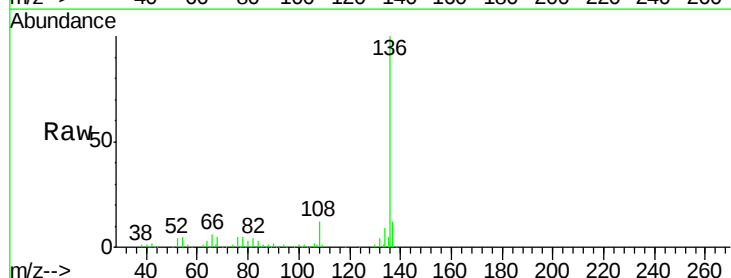
Instrument :
BNA_G
ClientSampleId :
15-SP

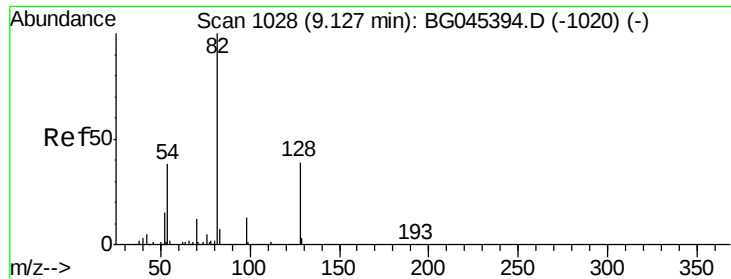
Tot Ion: 70 Resp: 50121
Ion Ratio Lower Upper
70 100
42 35.9 33.2 49.8
101 0.0 7.8 11.6#
130 2.2 15.4 23.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.00 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

Tgt Ion:136 Resp: 254065
Ion Ratio Lower Upper
136 100
137 11.6 9.4 14.2
54 5.5 5.8 8.6#
68 4.9 4.5 6.7





#23

Nitrobenzene-d5

Concen: 78.135 ng

RT: 9.11 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampleId :

15-SP

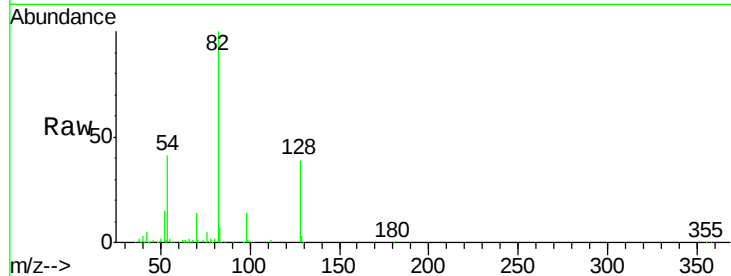
Tot Ion: 82 Resp: 364035

Ion Ratio Lower Upper

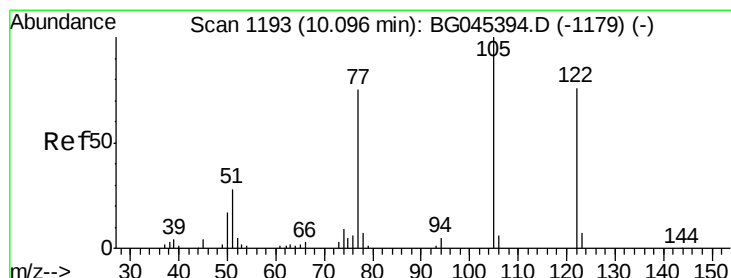
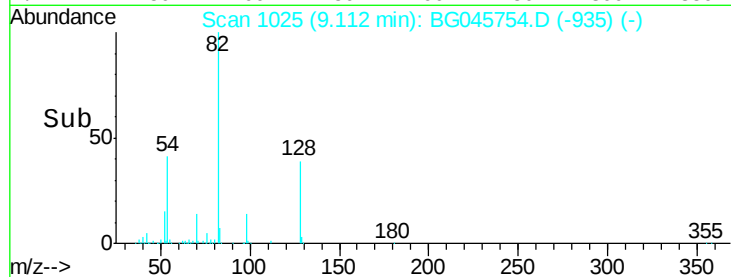
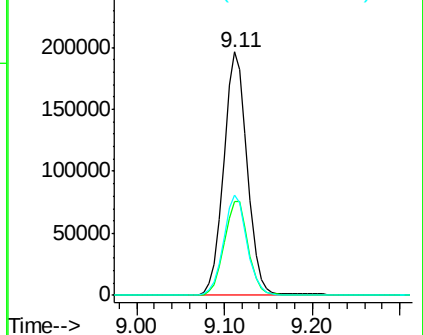
82 100

128 38.8 30.9 46.3

54 41.3 30.3 45.5



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: 10.054 ng

RT: 10.19 min Scan# 1208

Delta R.T. 0.07 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

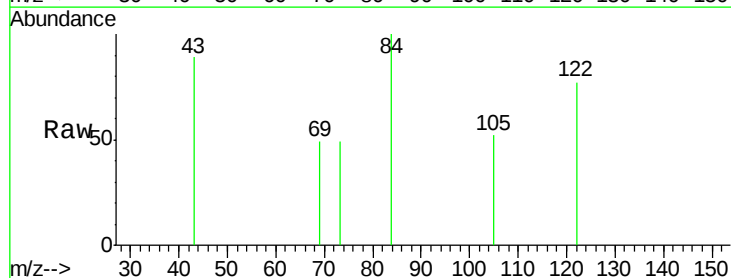
Tgt Ion: 122 Resp: 85

Ion Ratio Lower Upper

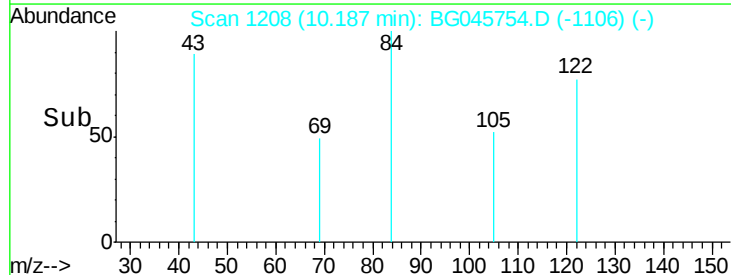
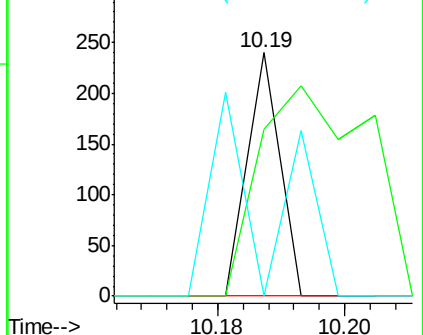
122 100

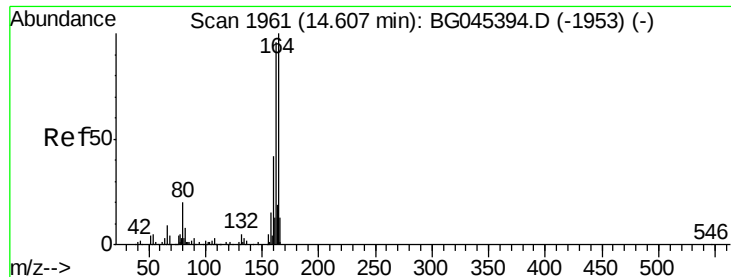
105 68.3 107.9 147.9#

77 0.0 78.9 118.9#



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: 14.59 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampleId :

15-SP

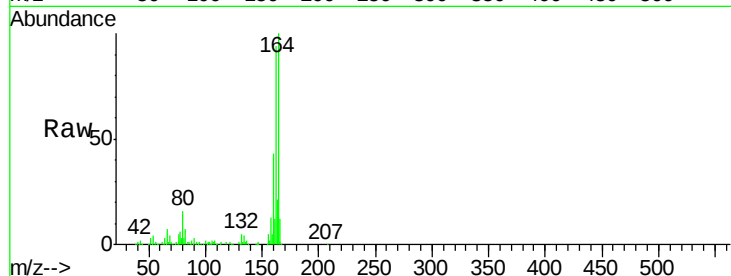
Tot Ion:164 Resp: 169034

Ion Ratio Lower Upper

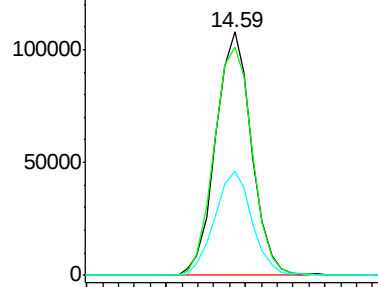
164 100

162 93.8 76.9 115.3

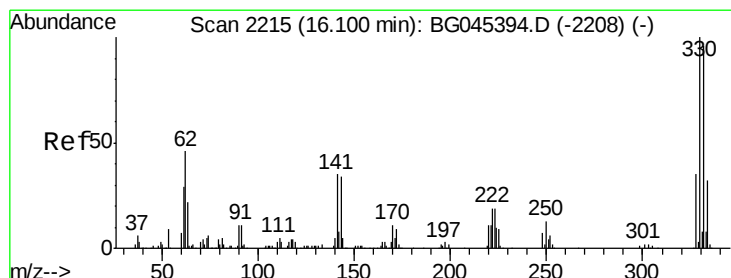
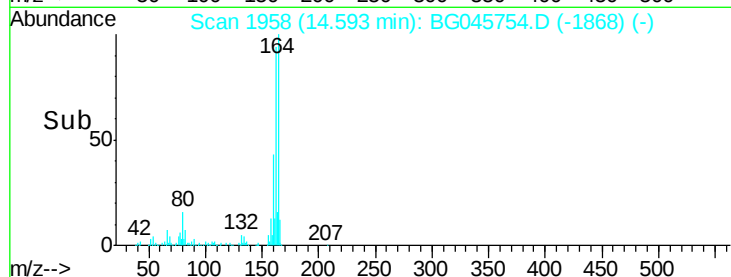
160 42.7 33.8 50.8



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



Time--> 14.50 14.55 14.60 14.65



#42

2,4,6-Tribromophenol

Concen: 110.681 ng

RT: 16.10 min Scan# 2214

Delta R.T. 0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

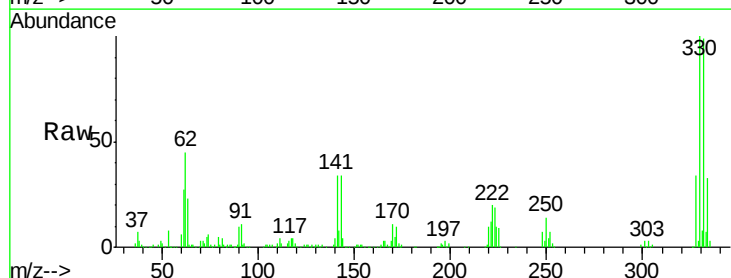
Tgt Ion:330 Resp: 239265

Ion Ratio Lower Upper

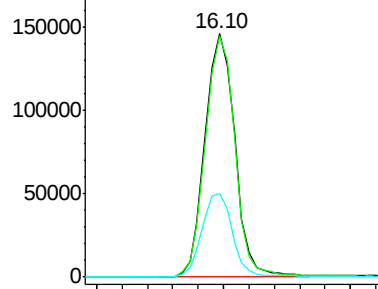
330 100

332 99.1 78.2 117.4

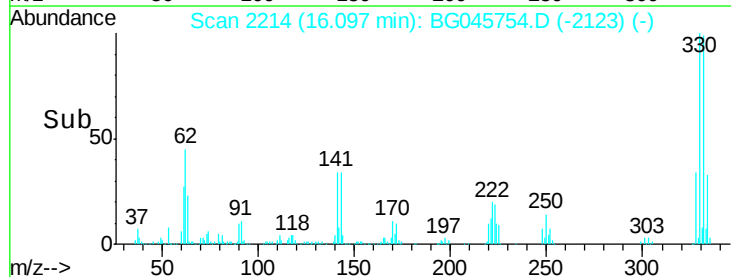
141 35.5 28.2 42.4

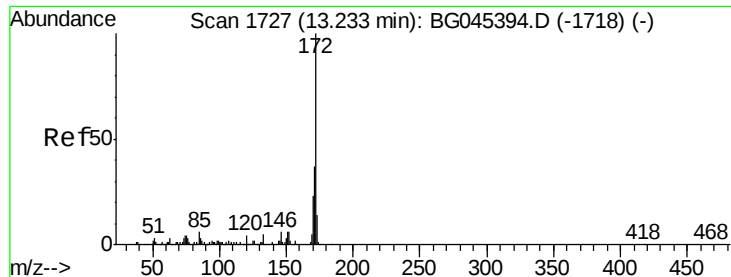


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time--> 16.00 16.10 16.20

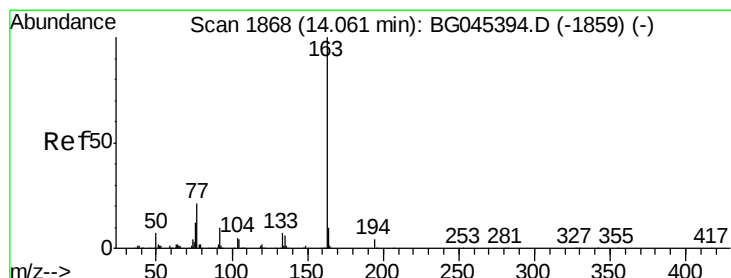
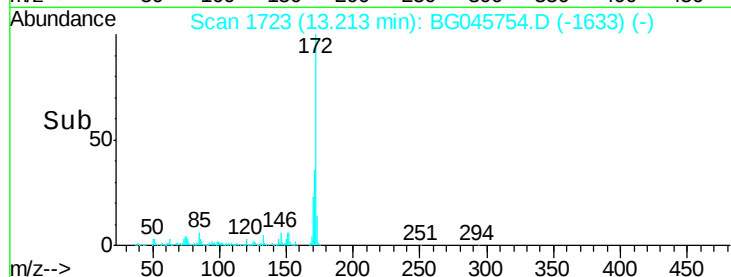
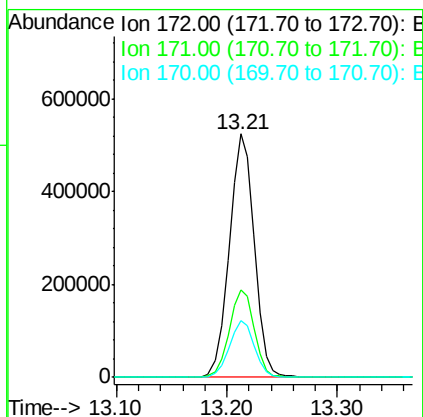
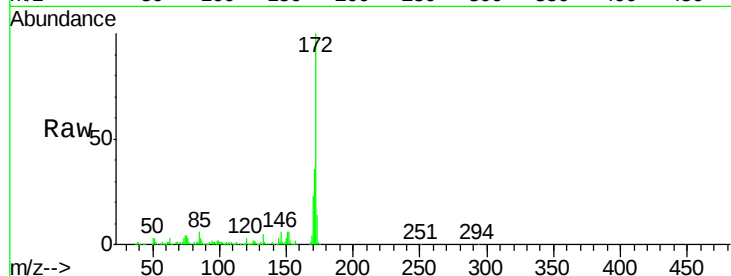




#45
2-Fluorobiphenyl
Concen: 83.448 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.00 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

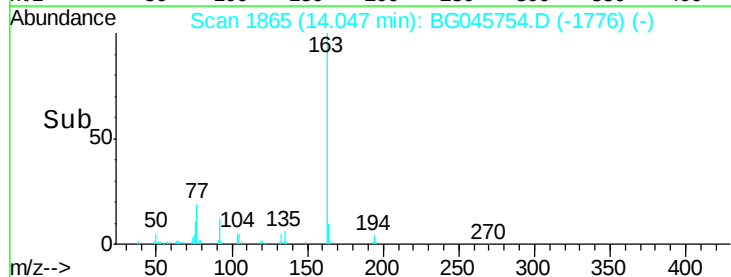
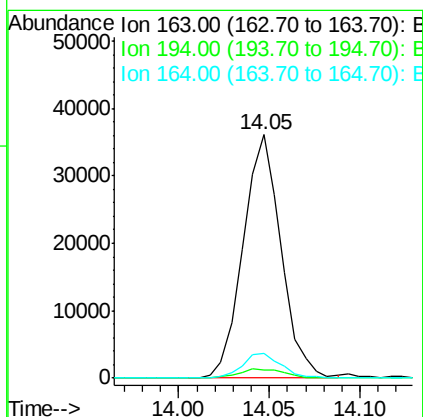
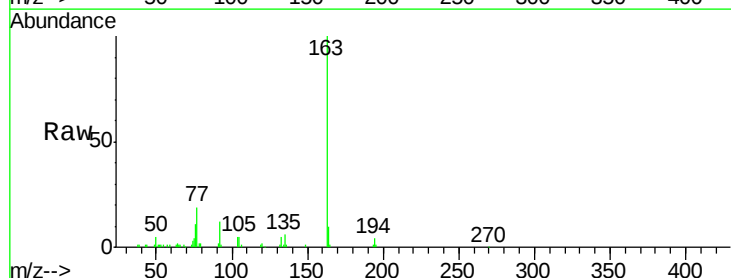
Instrument :
BNA_G
ClientSampleId :
15-SP

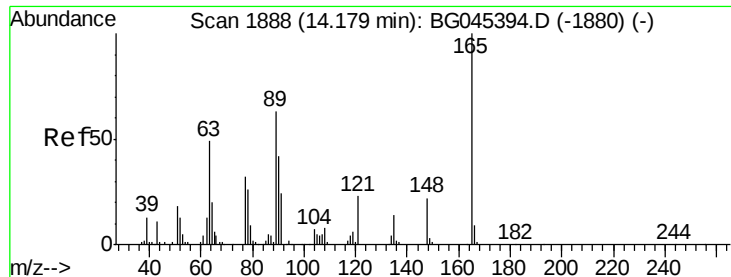
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.5	44.3
170	23.4	18.5	27.7



#50
Dimethylphthalate
Concen: 4.563 ng
RT: 14.05 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.2	4.8
164	10.4	8.3	12.5





#51

2,6-Dinitrotoluene

Concen: 8.652 ng

RT: 14.59 min Scan# 1958

Delta R.T. 0.43 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampleId :

15-SP

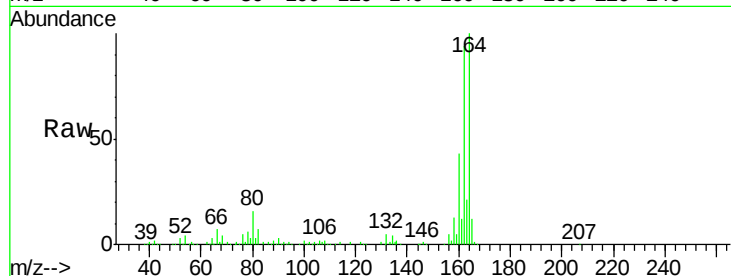
Tot Ion:165 Resp: 22639

Ion Ratio Lower Upper

165 100

63 1.4 45.0 67.4#

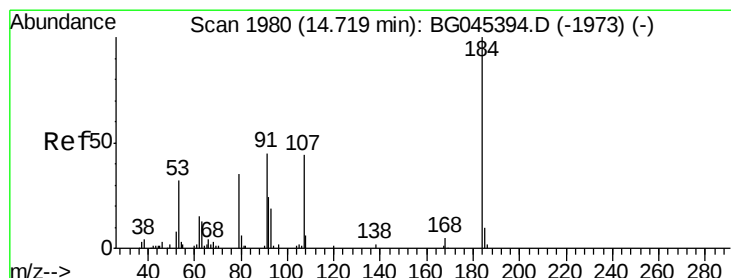
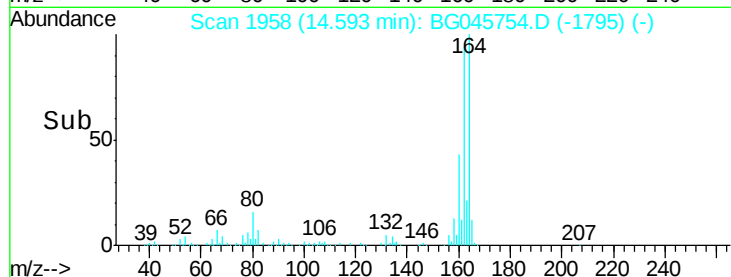
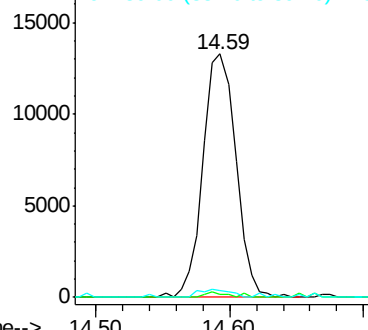
89 2.6 50.2 75.4#



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



#54

2,4-Dinitrophenol

Concen: 5.496 ng

RT: 14.96 min Scan# 2020

Delta R.T. 0.24 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

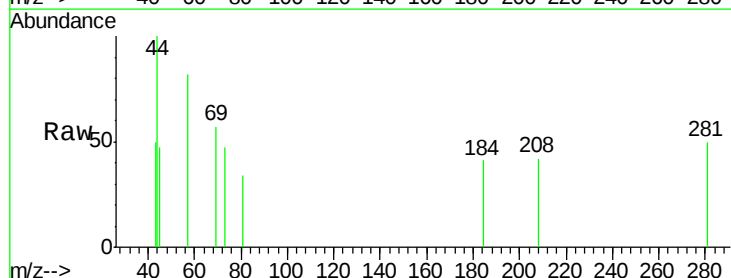
Tgt Ion:184 Resp: 68

Ion Ratio Lower Upper

184 100

63 0.0 47.8 71.6#

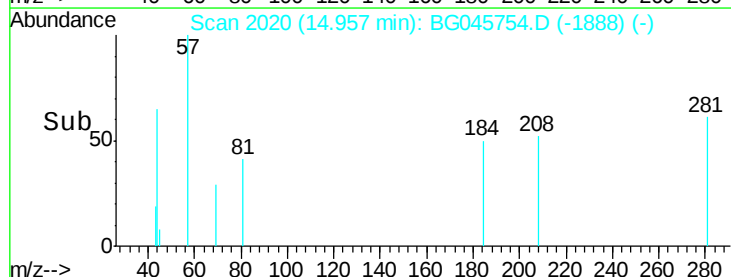
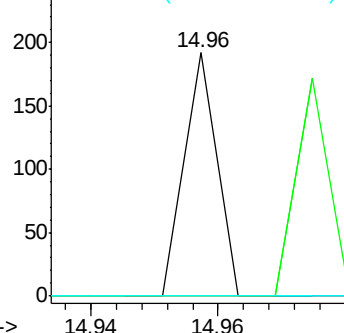
154 0.0 58.3 87.5#

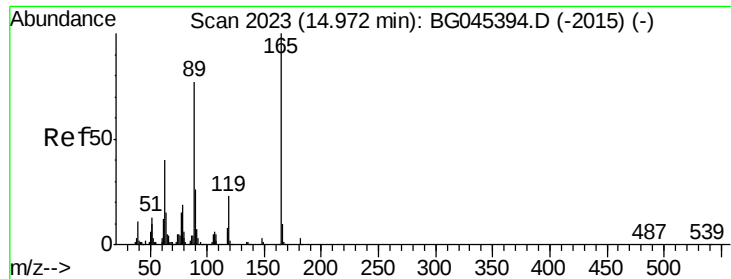


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

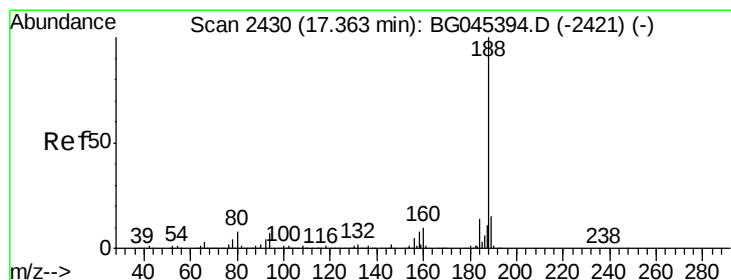
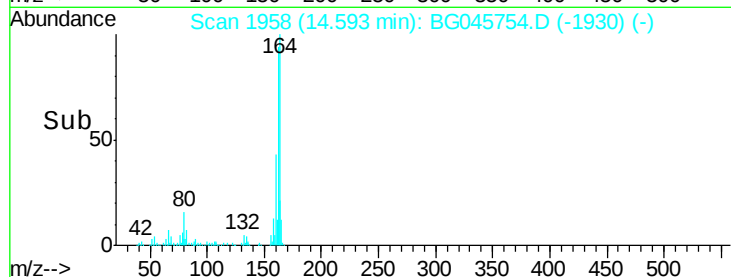
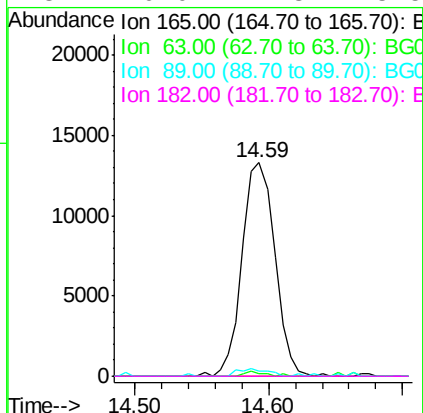
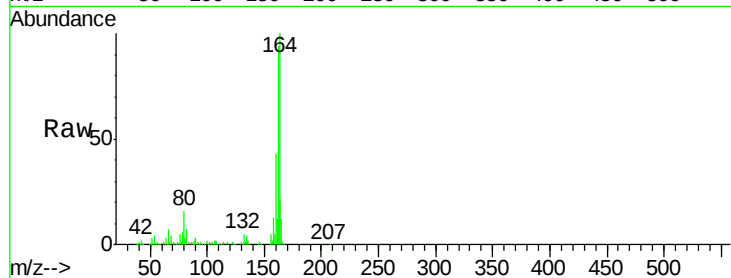




#57
2,4-Dinitrotoluene
Concen: 5.974 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.37 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

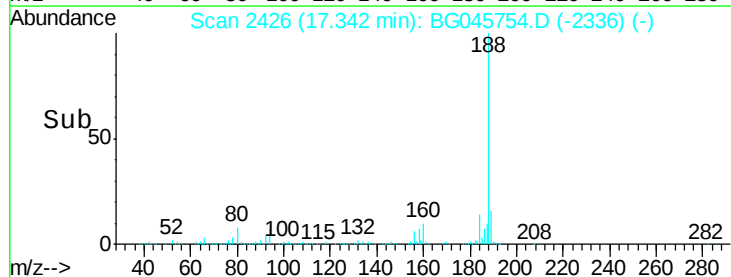
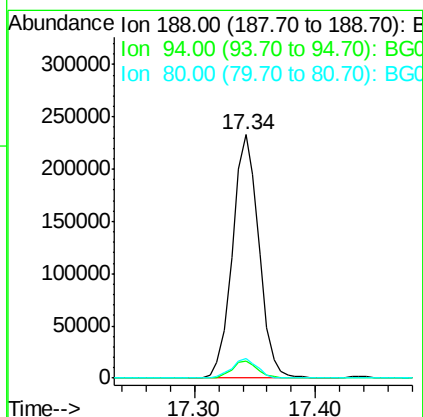
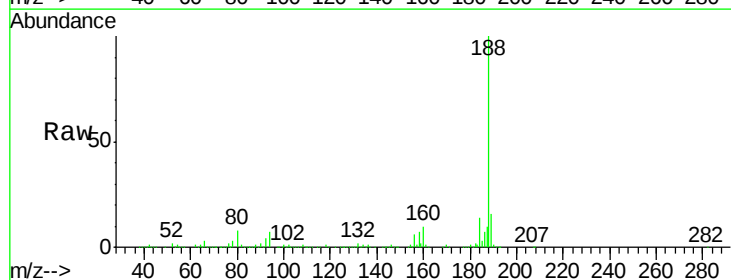
Instrument :
BNA_G
ClientSampleId :
15-SP

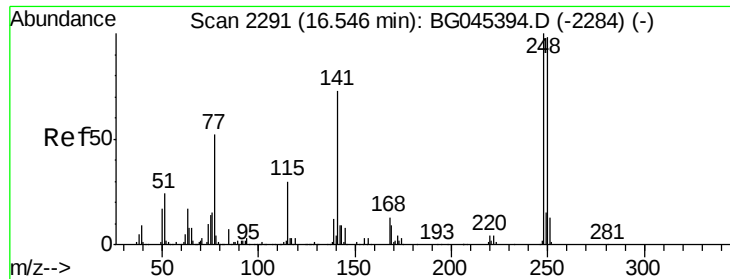
Tot Ion:165 Resp: 22639
Ion Ratio Lower Upper
165 100
63 1.4 32.5 48.7#
89 2.6 61.8 92.6#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2426
Delta R.T. -0.00 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

Tgt Ion:188 Resp: 355050
Ion Ratio Lower Upper
188 100
94 7.2 5.5 8.3
80 7.9 6.6 10.0

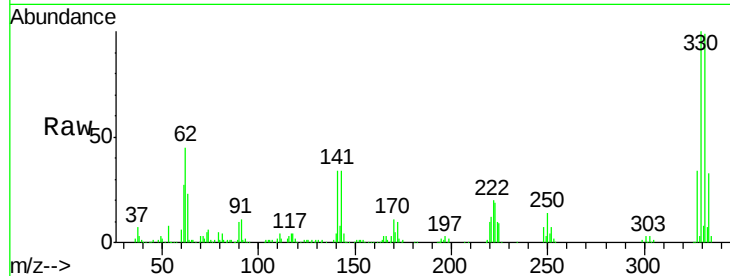




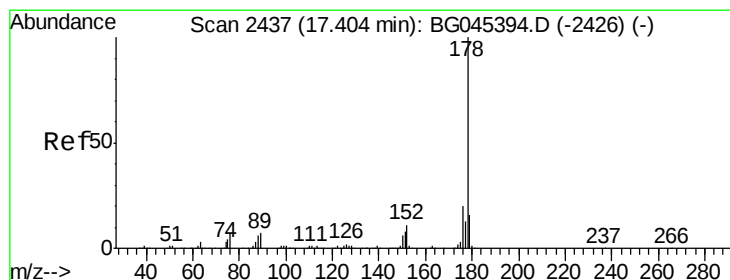
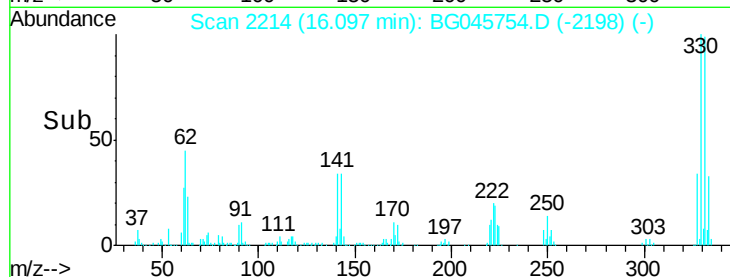
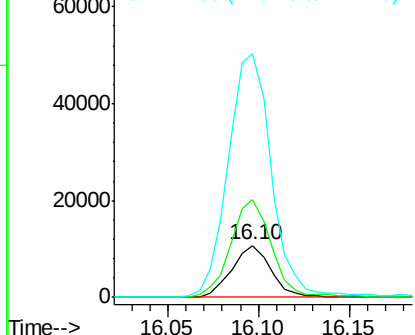
#67
4-Bromophenyl-phenylether
Concen: 4.159 ng
RT: 16.10 min Scan# 2214
Delta R.T. -0.44 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

Instrument :
BNA_G
ClientSampleId :
15-SP

Tot Ion:248 Resp: 15990
Ion Ratio Lower Upper
248 100
250 189.0 78.6 117.8#
141 468.7 58.2 87.2#

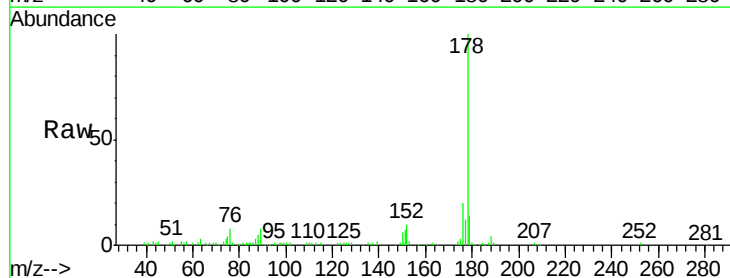


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

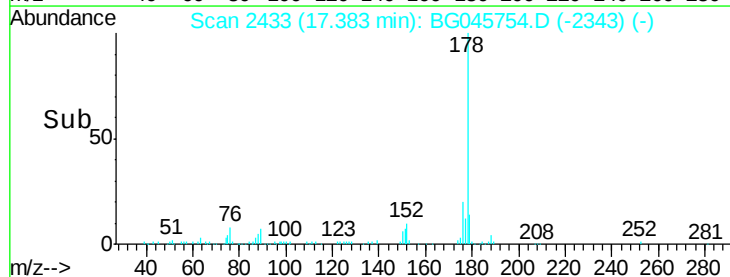
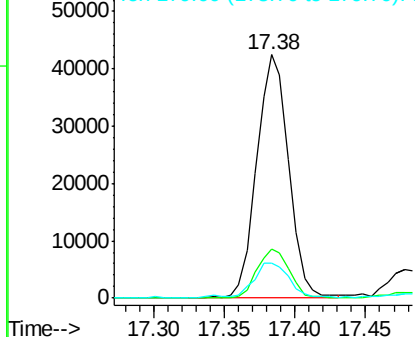


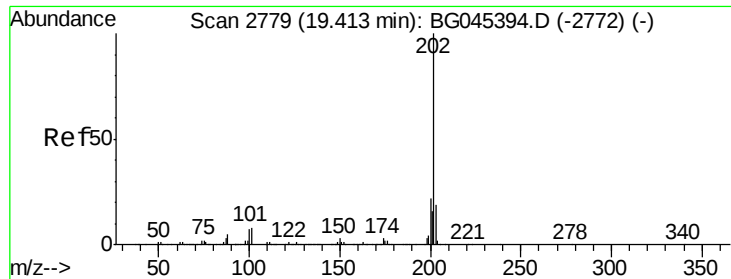
#71
Phenanthrene
Concen: 4.369 ng
RT: 17.38 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

Tgt Ion:178 Resp: 67713
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 14.3 13.1 19.7



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.547 ng

RT: 19.40 min Scan# 2776

Delta R.T. -0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampleId :

15-SP

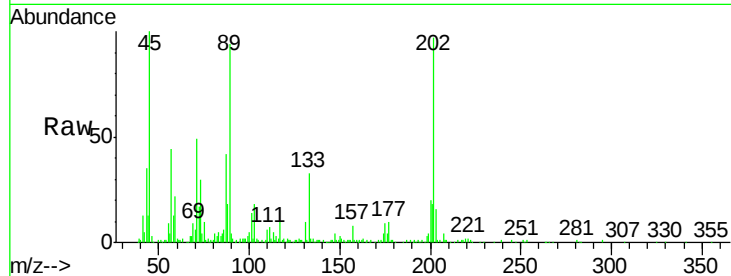
Tot Ion:202 Resp: 89644

Ion Ratio Lower Upper

202 100

101 14.4 0.0 28.3

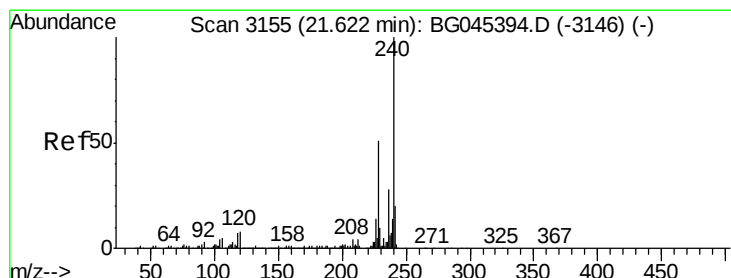
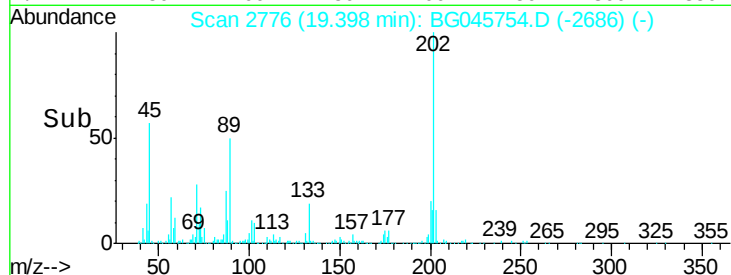
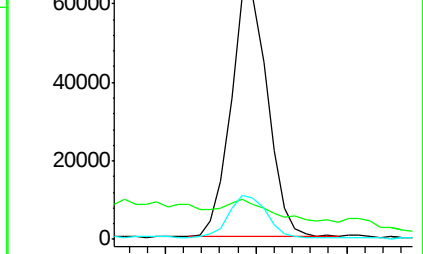
203 16.8 0.0 39.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.60 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

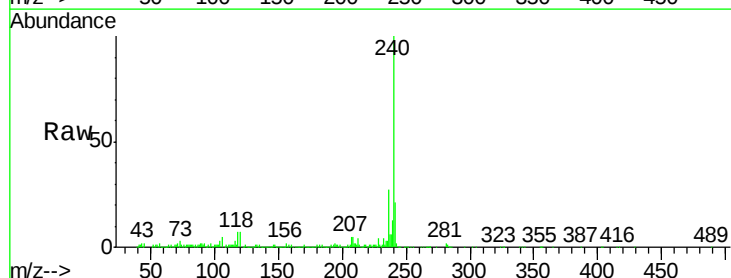
Tgt Ion:240 Resp: 293284

Ion Ratio Lower Upper

240 100

120 7.1 6.1 9.1

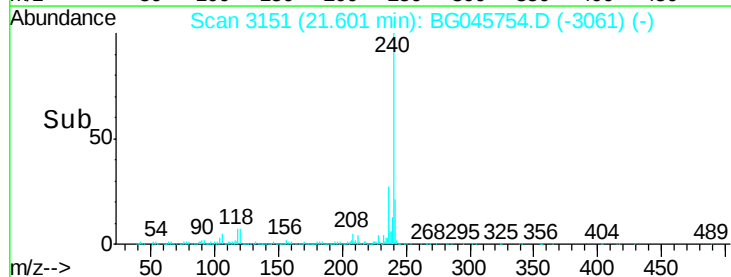
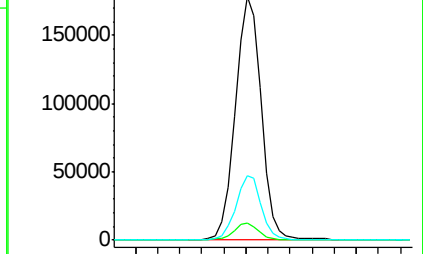
236 26.5 22.3 33.5

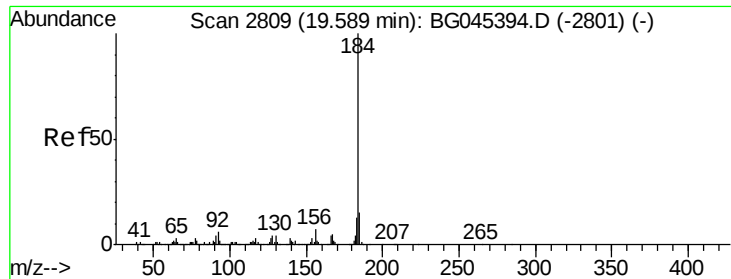


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.307 ng

RT: 19.96 min Scan# 2871

Delta R.T. 0.38 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampleId :

15-SP

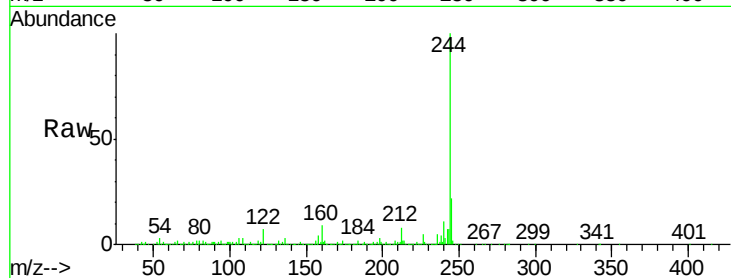
Tot Ion:184 Resp: 19002

Ion Ratio Lower Upper

184 100

185 21.9 11.7 17.5#

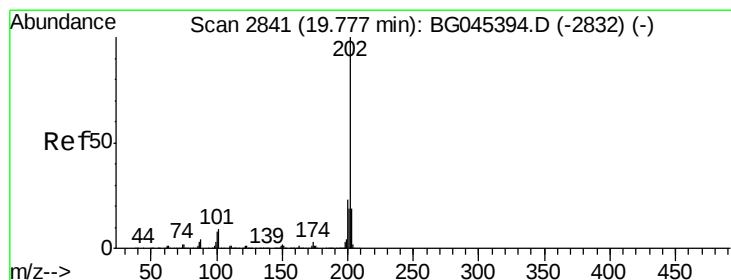
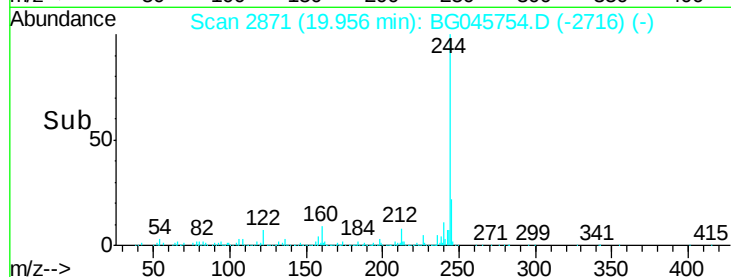
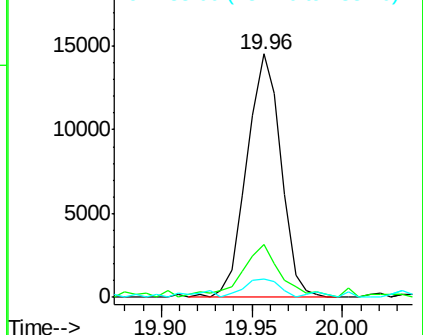
183 7.6 10.2 15.4#



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



#78

Pyrene

Concen: 4.739 ng

RT: 19.76 min Scan# 2837

Delta R.T. -0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

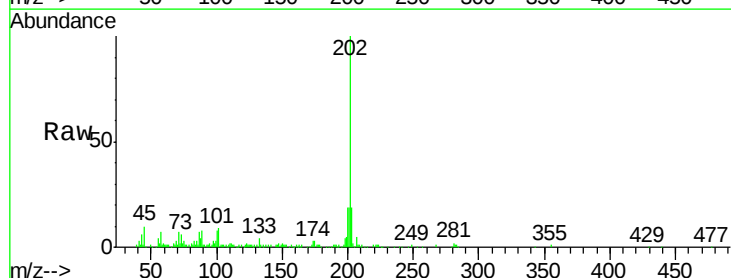
Tgt Ion:202 Resp: 79234

Ion Ratio Lower Upper

202 100

200 18.8 18.2 27.2

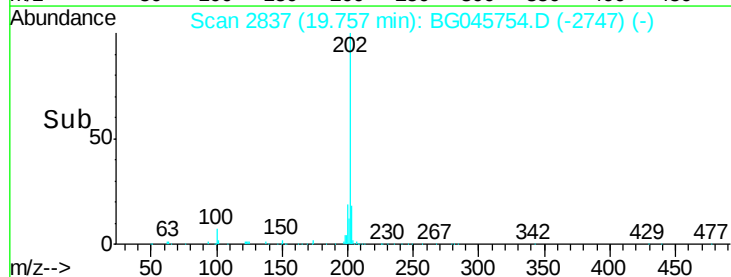
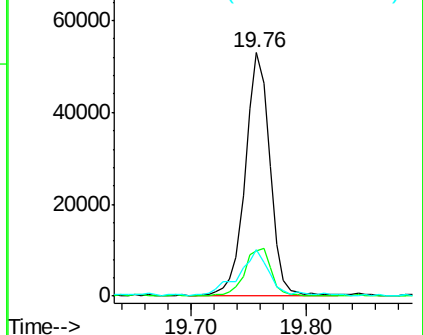
203 19.2 15.1 22.7

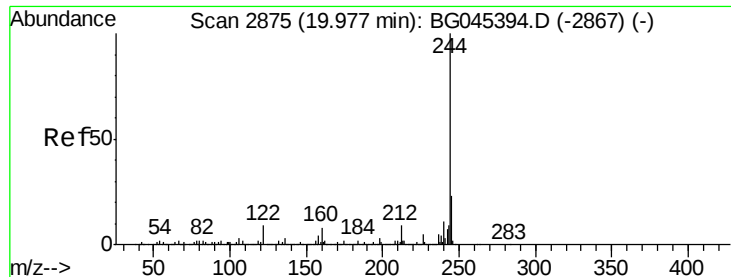


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 82.811 ng

RT: 19.96 min Scan# 2871

Delta R.T. -0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampled :

15-SP

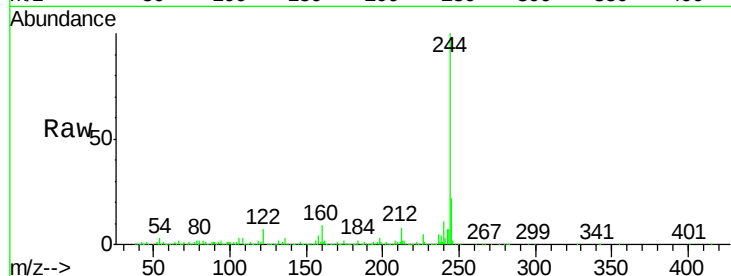
Tot Ion:244 Resp: 1041342

Ion Ratio Lower Upper

244 100

212 8.5 7.4 11.0

122 7.3 6.8 10.2

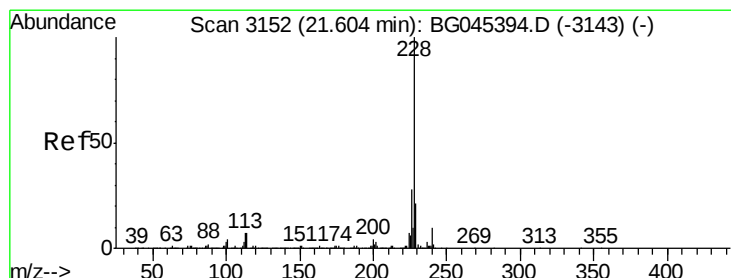
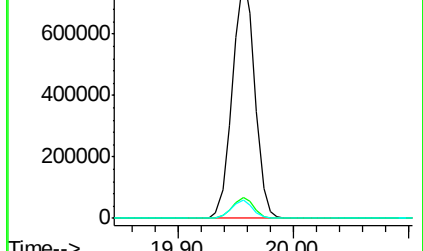
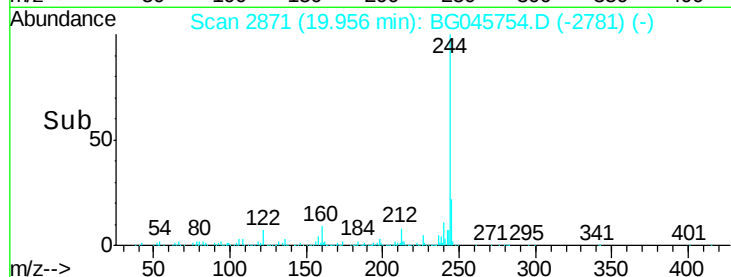


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



#81

Benzo(a)anthracene

Concen: 2.734 ng

RT: 21.65 min Scan# 3159

Delta R.T. 0.06 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

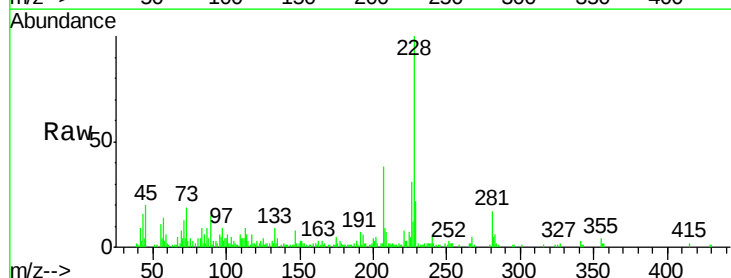
Tgt Ion:228 Resp: 44671

Ion Ratio Lower Upper

228 100

226 30.7 22.7 34.1

229 21.8 16.7 25.1

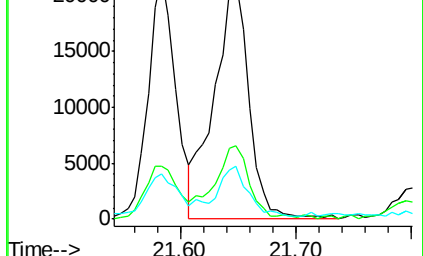
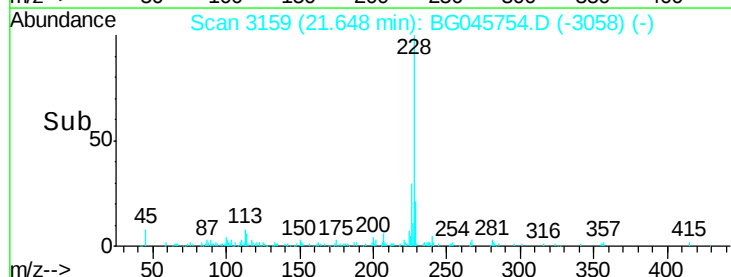


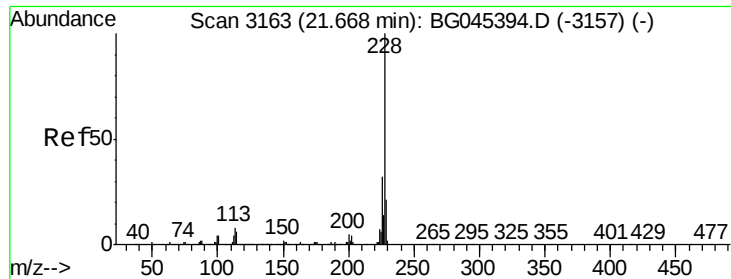
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->





#83

Chrysene

Concen: 2.844 ng

RT: 21.65 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampled :

15-SP

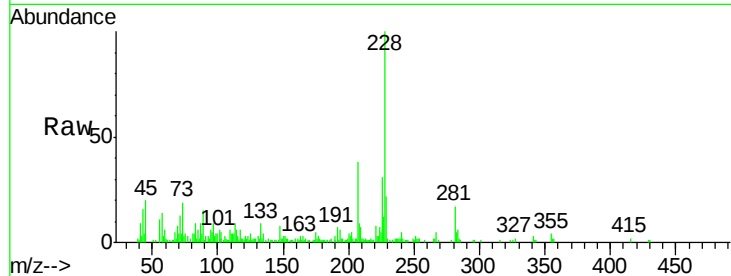
Tot Ion:228 Resp: 44671

Ion Ratio Lower Upper

228 100

226 30.7 25.2 37.8

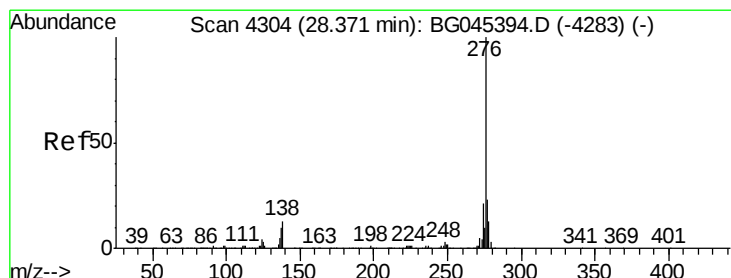
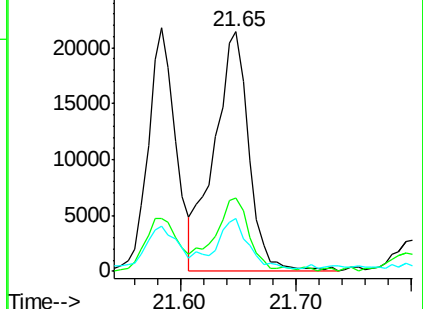
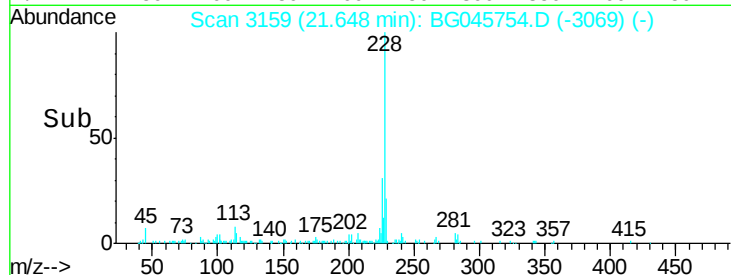
229 21.8 16.7 25.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.037 ng

RT: 28.32 min Scan# 4295

Delta R.T. -0.00 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

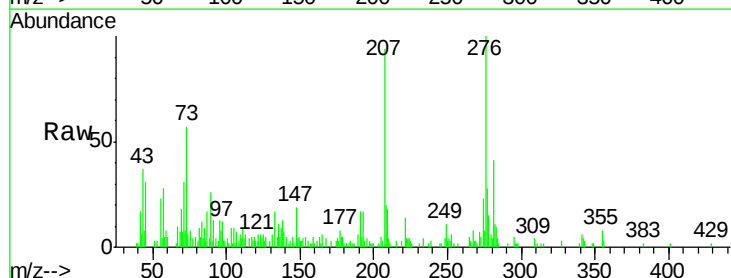
Tgt Ion:276 Resp: 41854

Ion Ratio Lower Upper

276 100

138 11.8 8.6 12.8

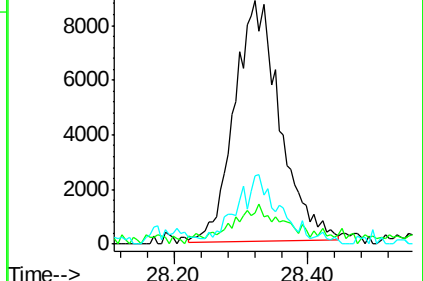
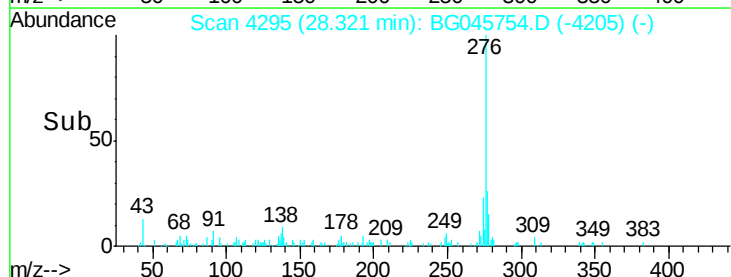
277 4.5 20.2 30.4#

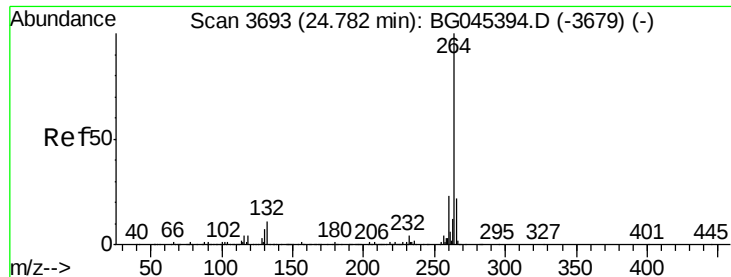


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

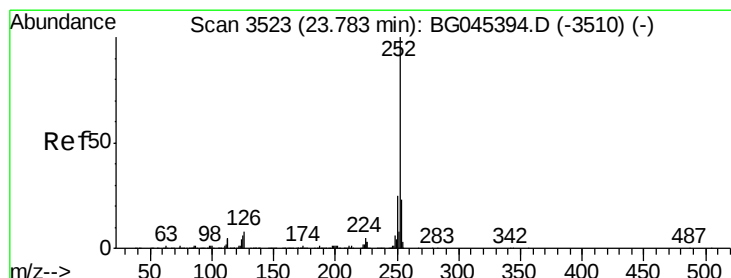
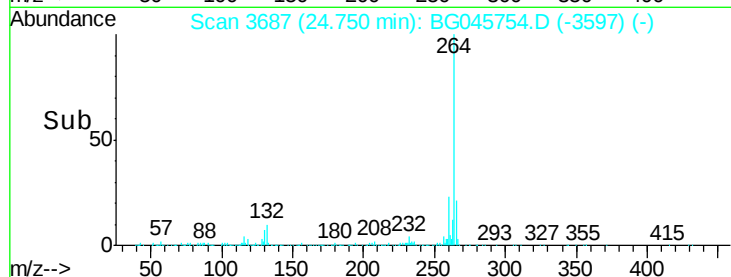
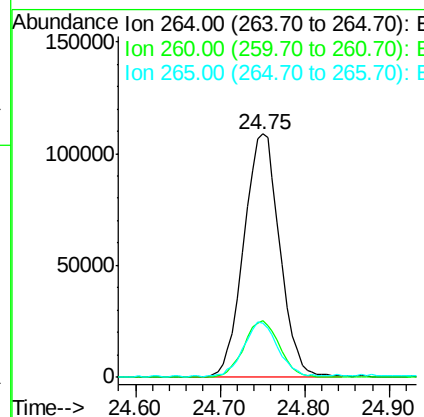
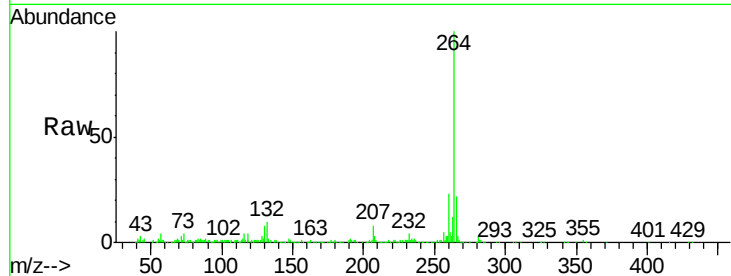




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.75 min Scan# 3687
Delta R.T. -0.00 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

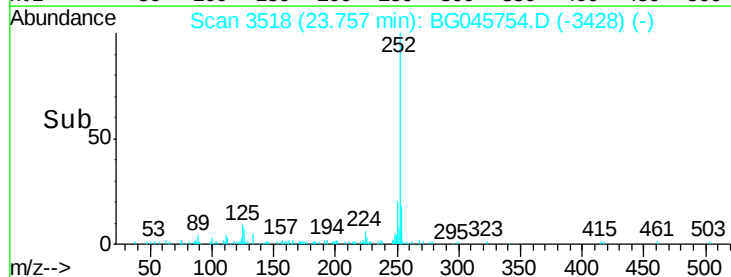
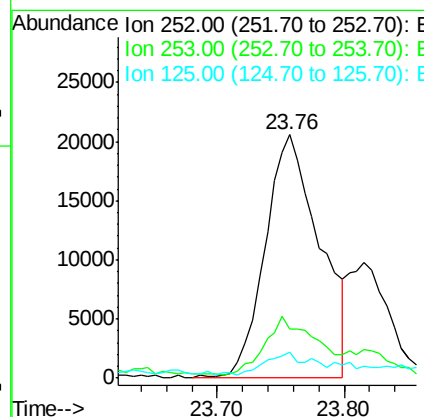
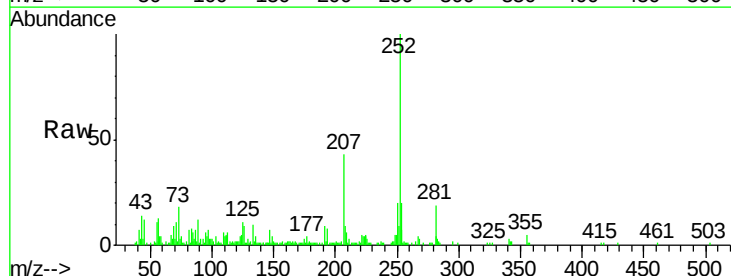
Instrument :
BNA_G
ClientSampled :
15-SP

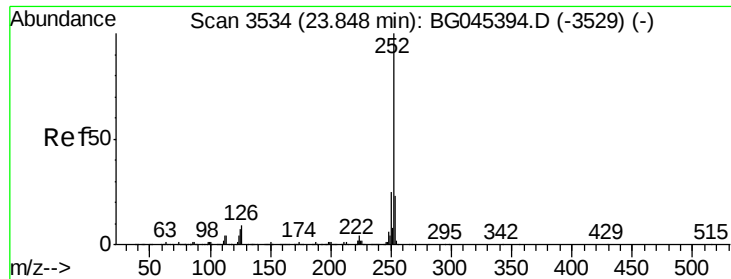
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.4
265	22.1	17.6	26.4



#88
Benzo(b)fluoranthene
Concen: 3.571 ng
RT: 23.76 min Scan# 3518
Delta R.T. -0.00 min
Lab File: BG045754.D
Acq: 13 Jun 2020 00:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.1	18.1	27.1
125	10.9	5.0	7.6#





#89

Benzo(k)fluoranthene

Concen: 3.801 ng

RT: 23.76 min Scan# 3518

Delta R.T. -0.07 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampled :

15-SP

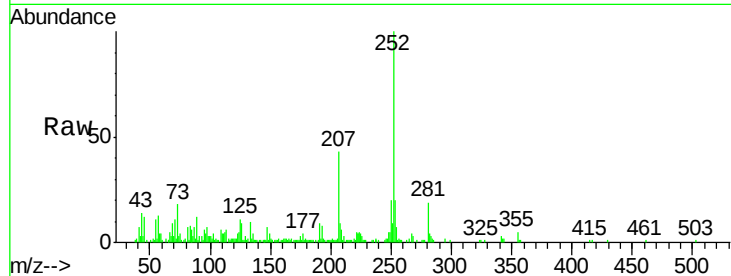
Tot Ion:252 Resp: 61554

Ion Ratio Lower Upper

252 100

253 20.1 18.4 27.6

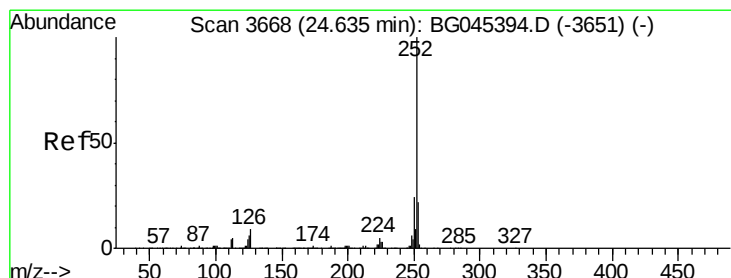
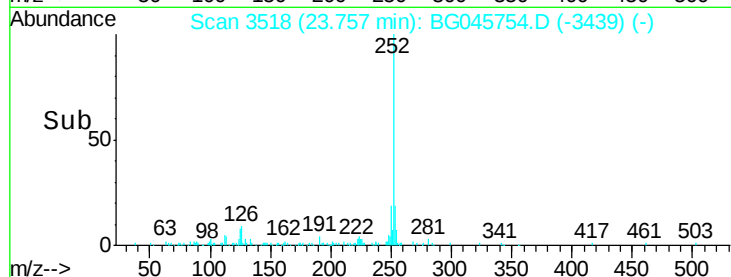
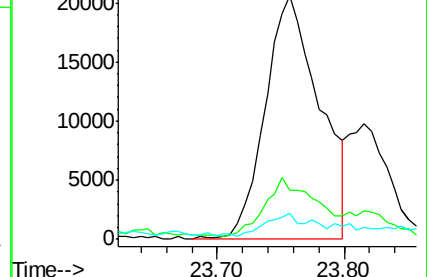
125 10.9 5.7 8.5#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 2.517 ng

RT: 24.60 min Scan# 3661

Delta R.T. -0.01 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

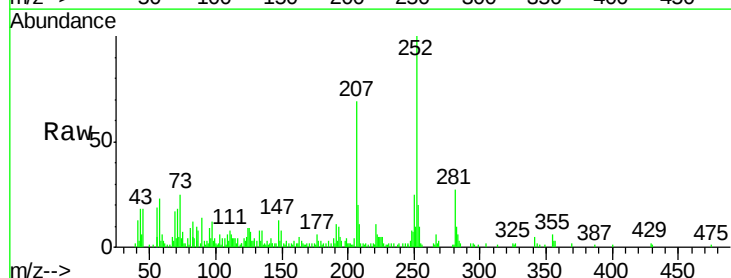
Tgt Ion:252 Resp: 40400

Ion Ratio Lower Upper

252 100

253 20.0 17.2 25.8

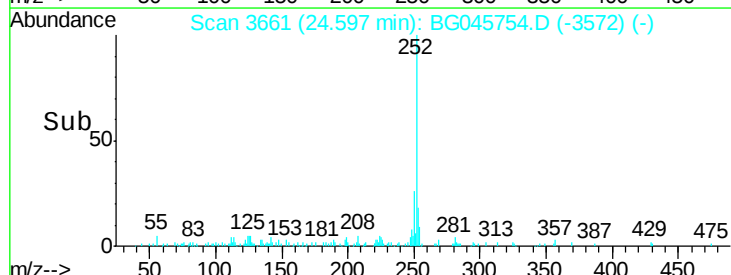
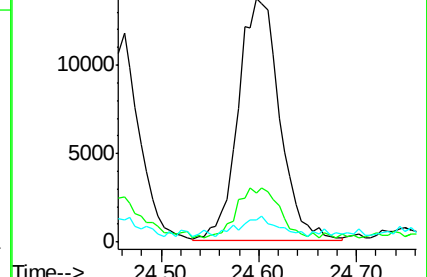
125 9.3 5.0 7.6#

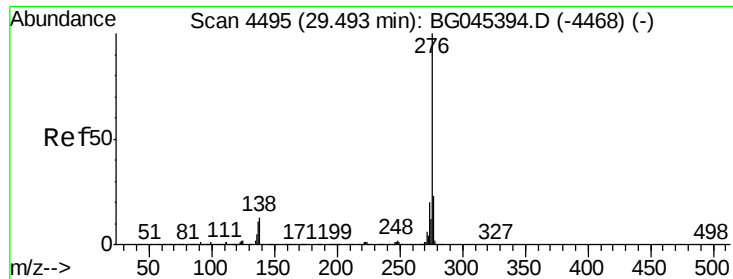


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 2.396 ng

RT: 29.43 min Scan# 4483

Delta R.T. -0.01 min

Lab File: BG045754.D

Acq: 13 Jun 2020 00:05

Instrument :

BNA_G

ClientSampleId :

15-SP

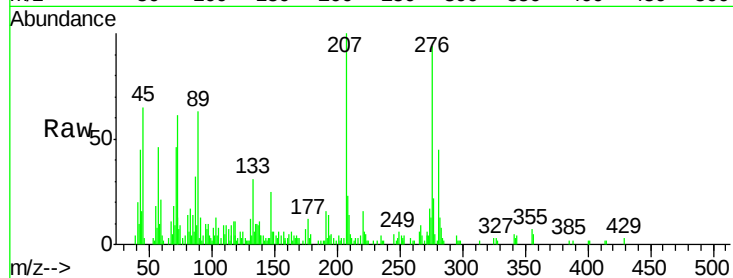
Tot Ion: 276 Resp: 38658

Ion Ratio Lower Upper

276 100

277 23.9 18.1 27.1

138 11.3 10.2 15.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

