

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043963.D
 Acq On : 7 Jan 2020 20:51
 Operator : JU
 Sample : L1017-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 02:42:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG123019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 31 13:32:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	166670	20.00	ng	0.00
21) Naphthalene-d8	10.76	136	705487	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	434233	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	834392	20.00	ng	0.00
76) Chrysene-d12	21.59	240	680344	20.00	ng	0.00
87) Perylene-d12	24.72	264	772838	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.54	112	505460	55.68	ng	0.00
7) Phenol-d6	7.13	99	783536	61.75	ng	0.00
23) Nitrobenzene-d5	9.12	82	494325	37.48	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	446170	98.19	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	1436187	59.92	ng	0.00
79) Terphenyl-d14	19.95	244	2117406	71.91	ng	0.00

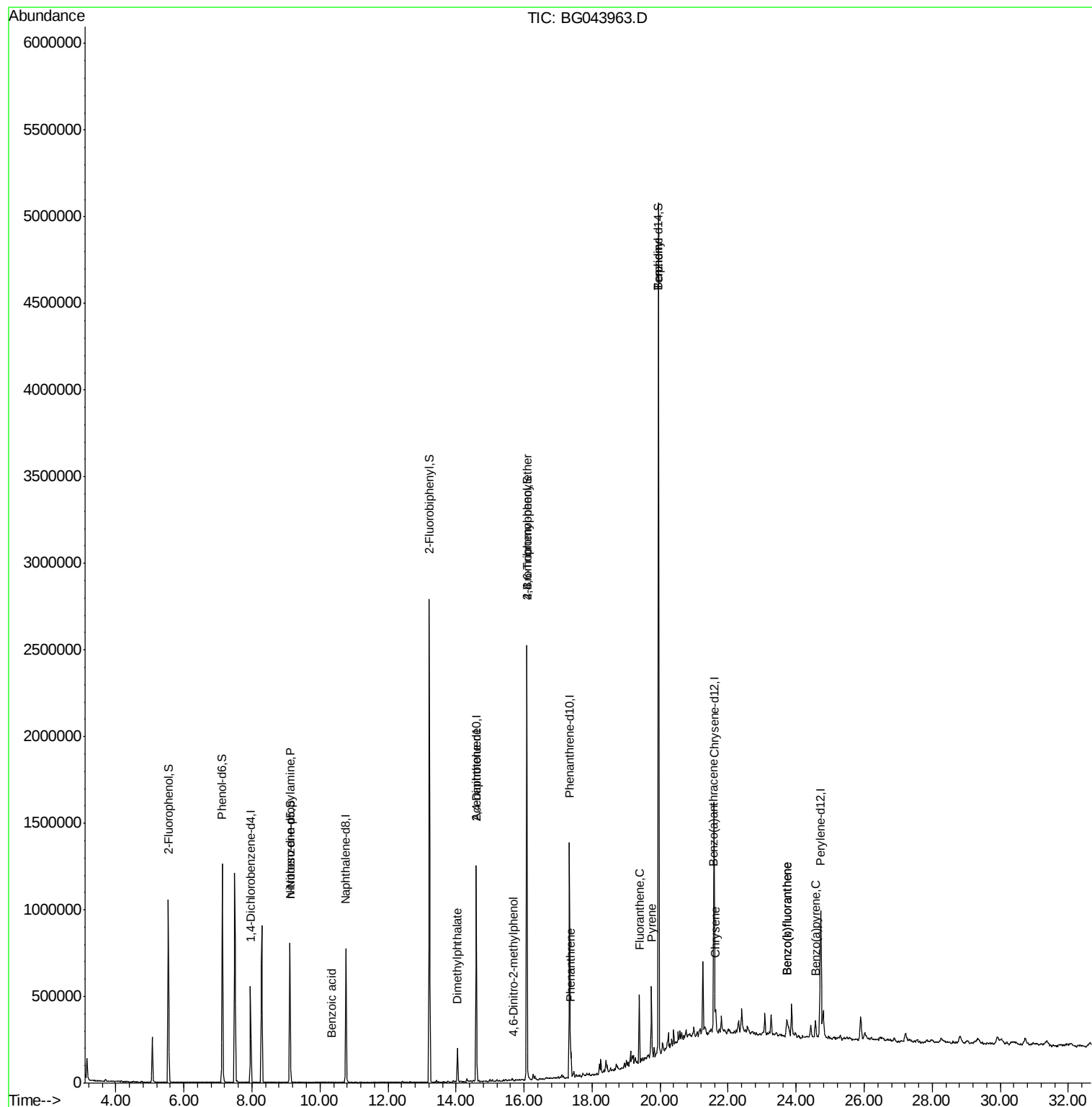
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.12	70	64627	6.839	ng	# 81
32) Benzoic acid	10.35	122	59	6.269	ng	# 1
50) Dimethylphthalate	14.04	163	130937	4.247	ng	# 97
57) 2,4-Dinitrotoluene	14.59	165	57440	6.058	ng	# 27
65) 4,6-Dinitro-2-methylphenol	15.69	198	54	4.401	ng	# 1
67) 4-Bromophenyl-phenylether	16.08	248	33782	3.600	ng	# 1
71) Phenanthrene	17.38	178	110426	2.759	ng	92
75) Fluoranthene	19.39	202	225300	4.922	ng	91
77) Benzidine	19.95	184	41446	2.424	ng	# 93
78) Pyrene	19.75	202	246857	5.559	ng	93
81) Benzo(a)anthracene	21.57	228	119064	2.822	ng	96
83) Chrysene	21.63	228	120162	2.998	ng	93
88) Benzo(b)fluoranthene	23.73	252	123376	2.700	ng	# 96
89) Benzo(k)fluoranthene	23.73	252	123376	2.840	ng	# 96
90) Benzo(a)pyrene	24.57	252	99802	2.314	ng	98

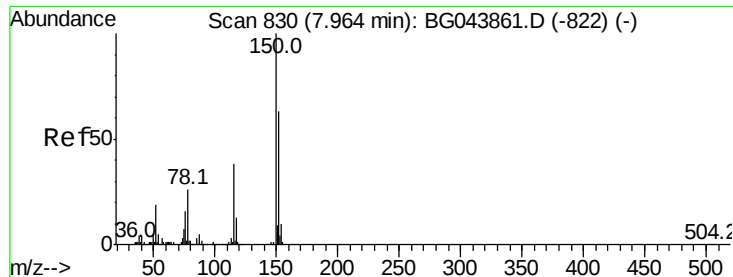
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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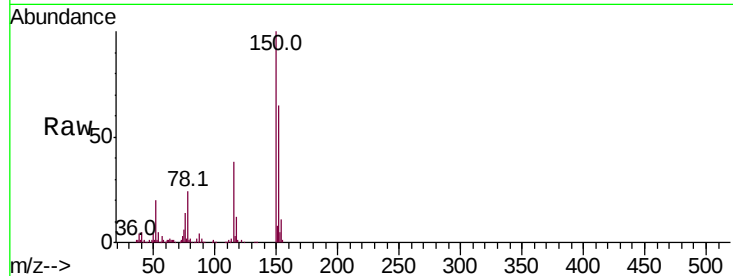


#1

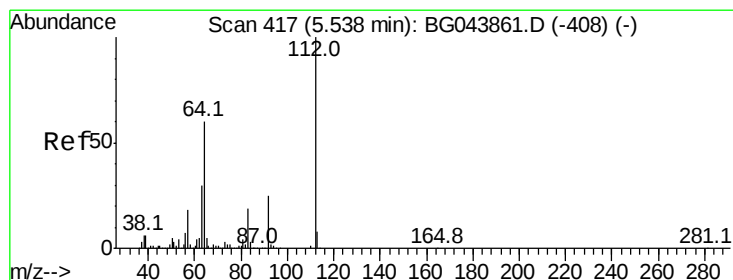
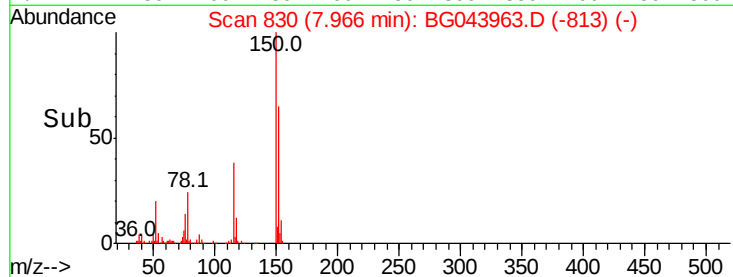
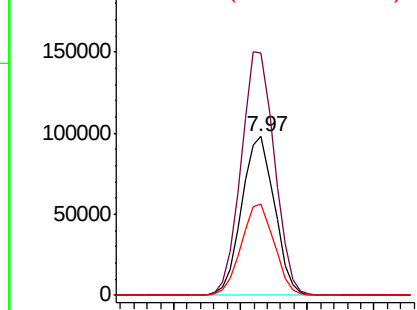
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.0	127.0	190.4
115	57.8	47.8	71.8



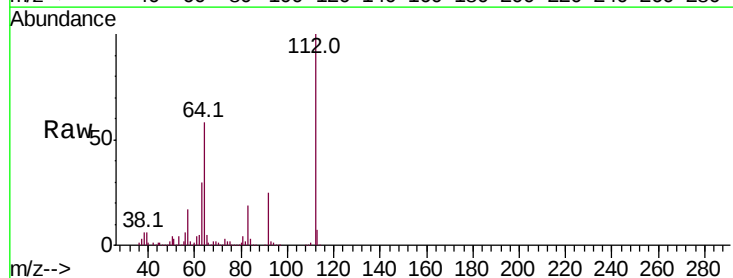
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



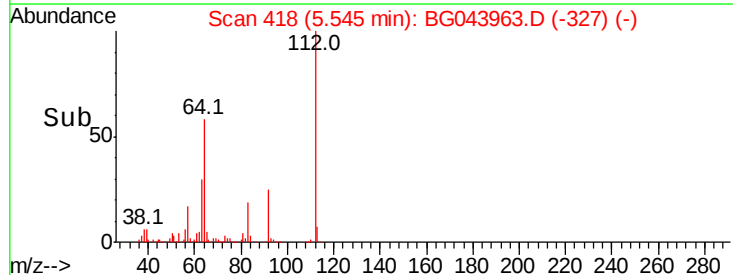
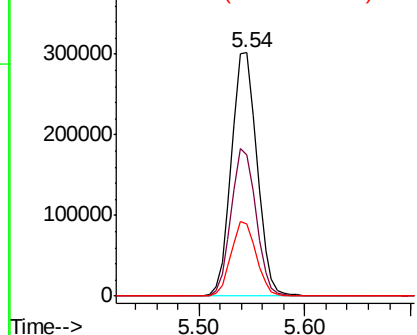
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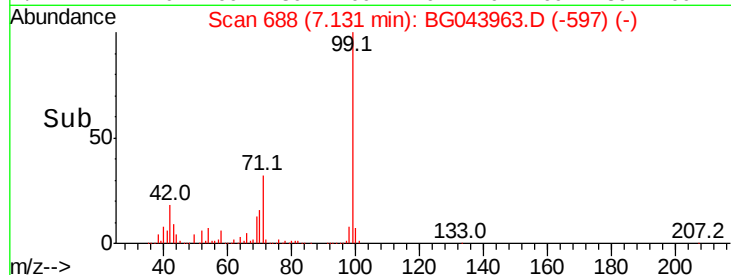
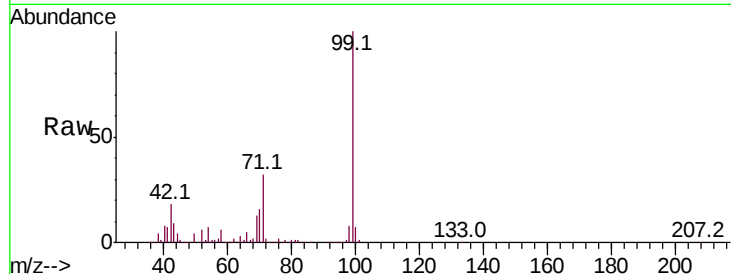
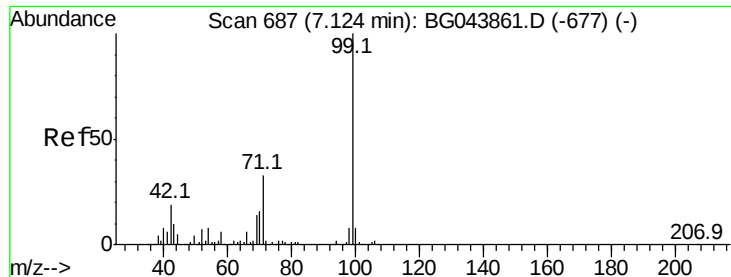
2-Fluorophenol
Concen: 55.684 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	47.8	71.6
63	29.7	24.3	36.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 61.752 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

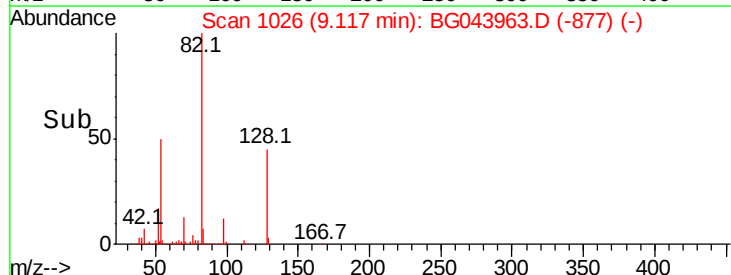
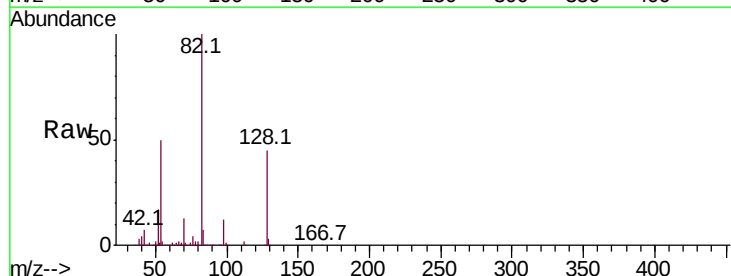
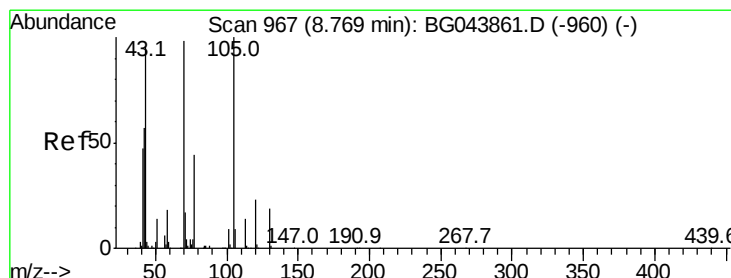
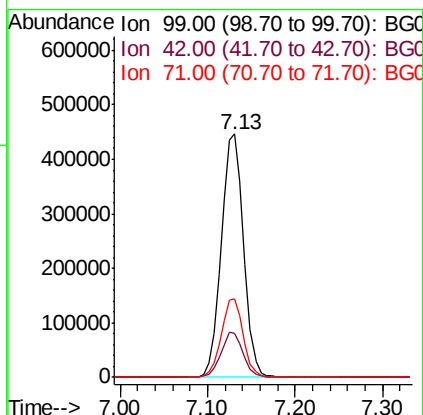
Tot Ion: 99 Resp: 783536

Ion Ratio Lower Upper

99 100

42 18.2 14.9 22.3

71 32.3 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 6.839 ng

RT: 9.12 min Scan# 1026

Delta R.T. 0.35 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Tgt Ion: 70 Resp: 64627

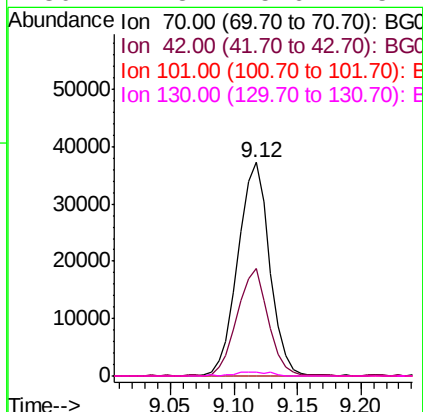
Ion Ratio Lower Upper

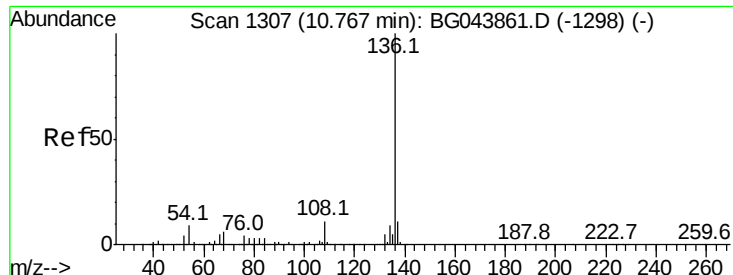
70 100

42 50.5 47.0 70.4

101 0.0 7.2 10.8#

130 1.8 15.6 23.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.76 min Scan# 1306

Delta R.T. -0.00 min

Lab File: BG043963.D

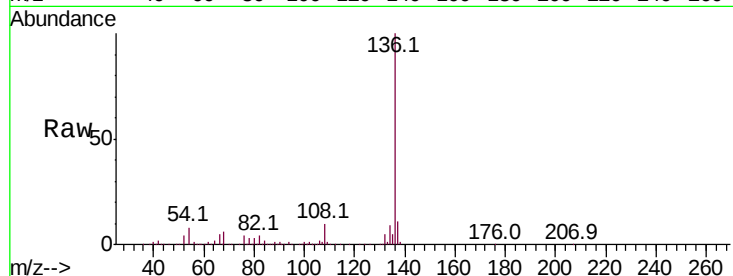
Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	136	Resp:	705487
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.0	7.0	10.4
68	6.3	4.9	7.3

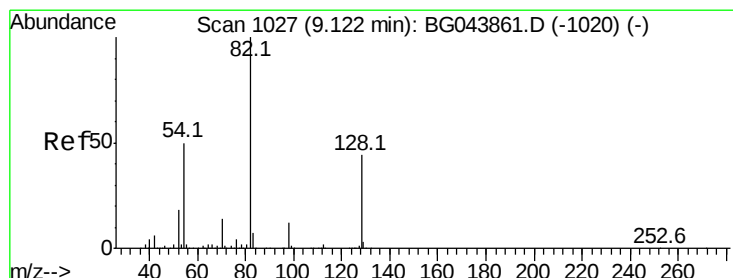
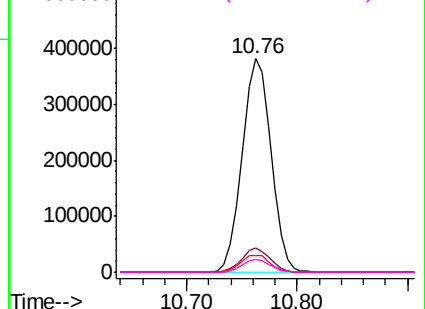
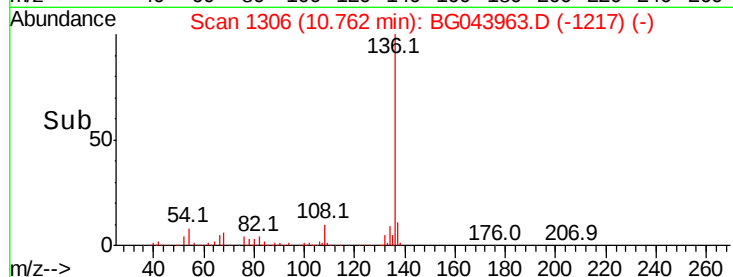


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 37.484 ng

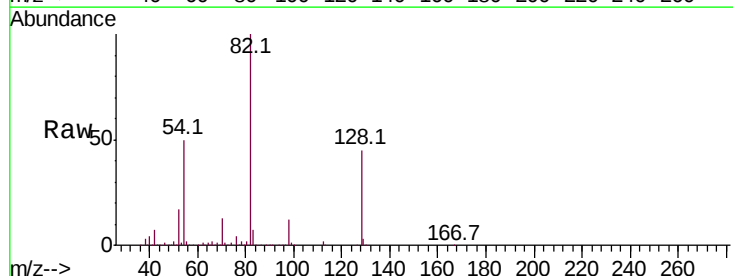
RT: 9.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

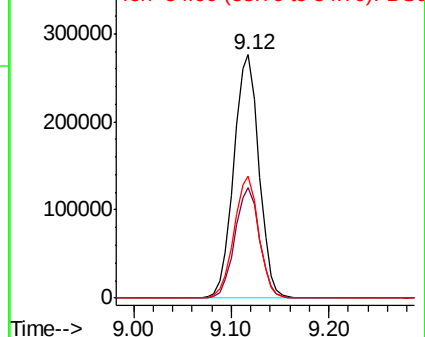
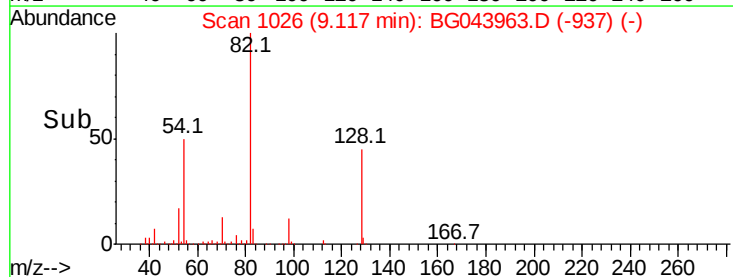
Tgt Ion:	82	Resp:	494325
Ion	Ratio	Lower	Upper
82	100		
128	45.1	35.1	52.7
54	50.0	40.1	60.1

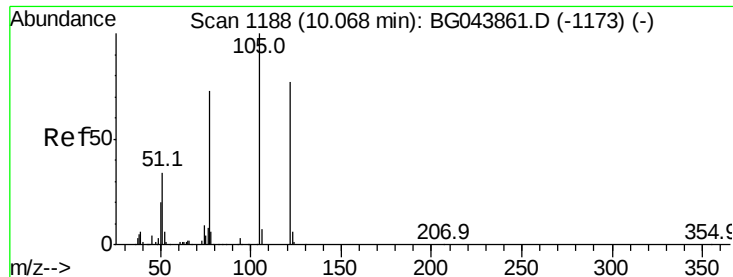


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

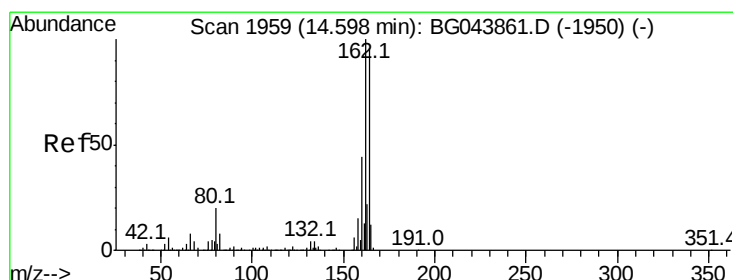
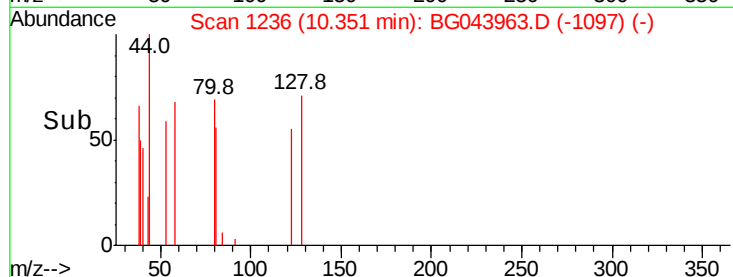
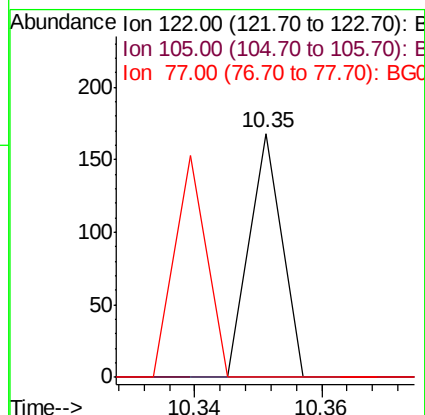
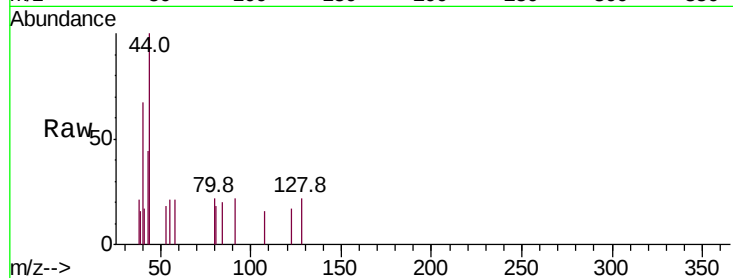




#32
Benzoic acid
Concen: 6.269 ng
RT: 10.35 min Scan# 1236
Delta R.T. 0.28 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

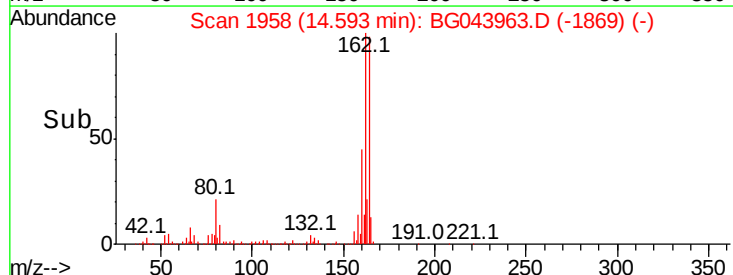
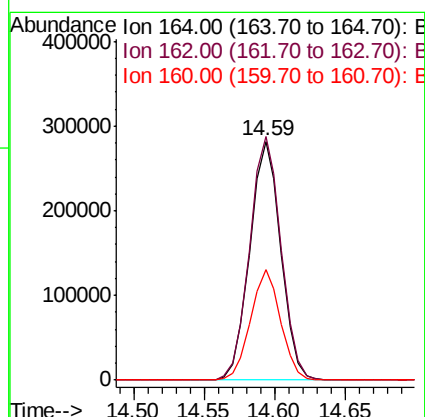
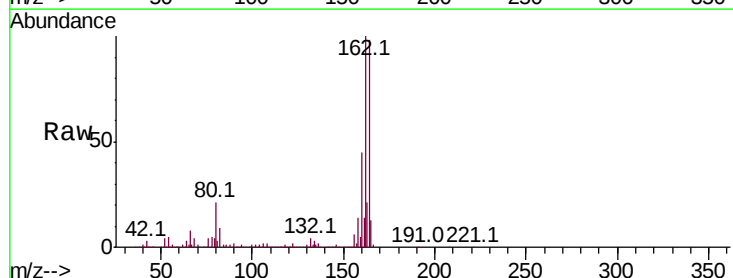
Instrument :
BNA_G
ClientSampleId :

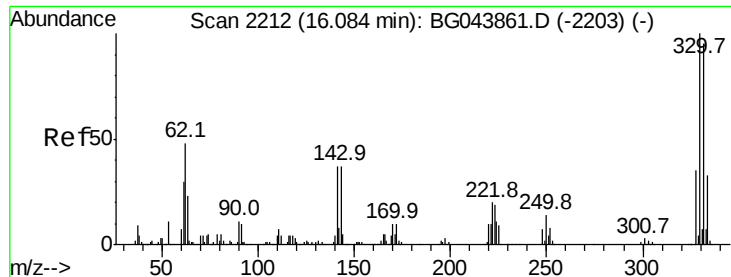
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	106.4	146.4#
77	0.0	74.6	114.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.0	124.4
160	46.1	36.1	54.1





#42

2,4,6-Tribromophenol

Concen: 98.185 ng

RT: 16.08 min Scan# 2211

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

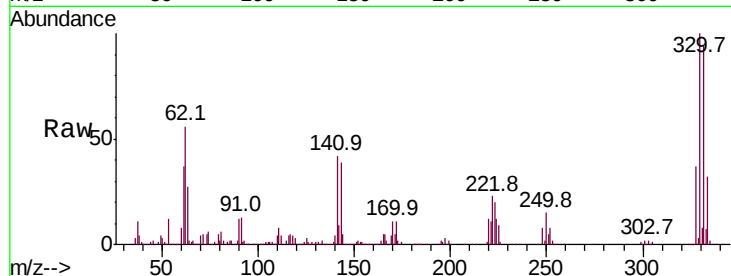
Tot Ion:330 Resp: 446170

Ion Ratio Lower Upper

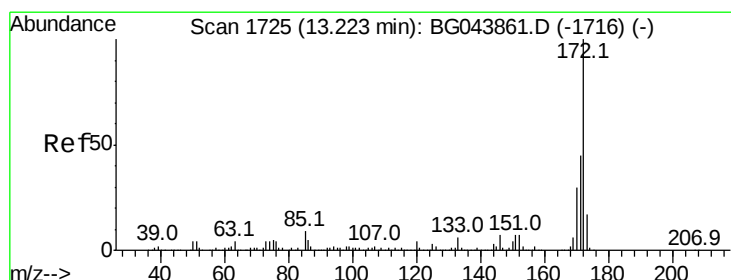
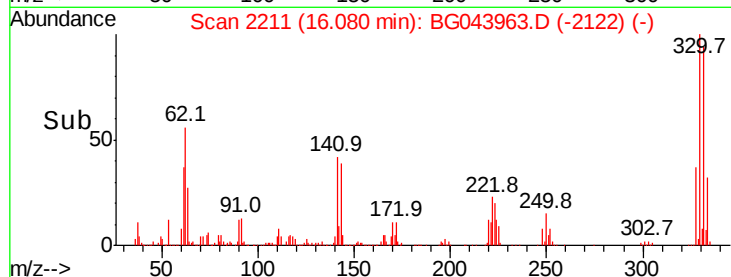
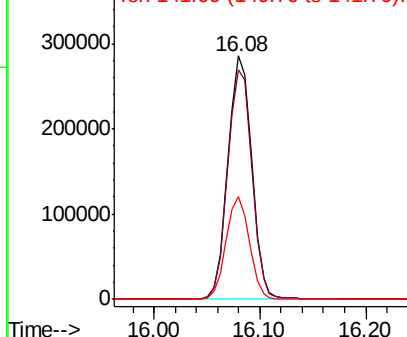
330 100

332 96.1 77.2 115.8

141 41.6 33.1 49.7



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



#45

2-Fluorobiphenyl

Concen: 59.923 ng

RT: 13.22 min Scan# 1724

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

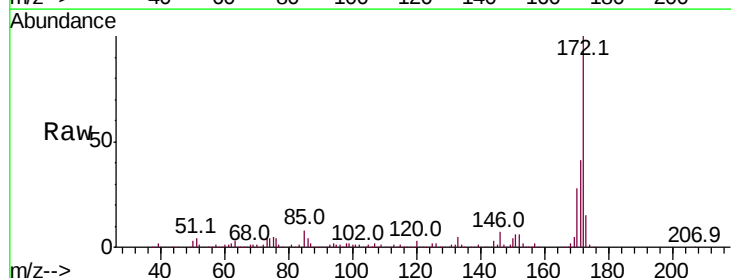
Tgt Ion:172 Resp: 1436187

Ion Ratio Lower Upper

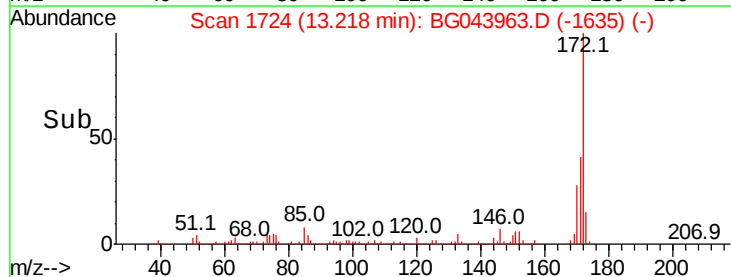
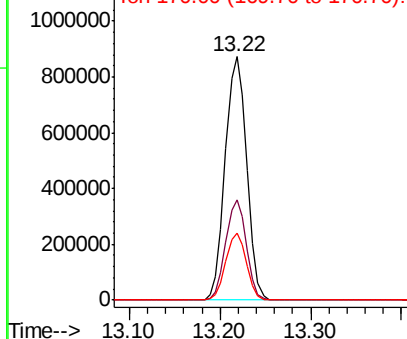
172 100

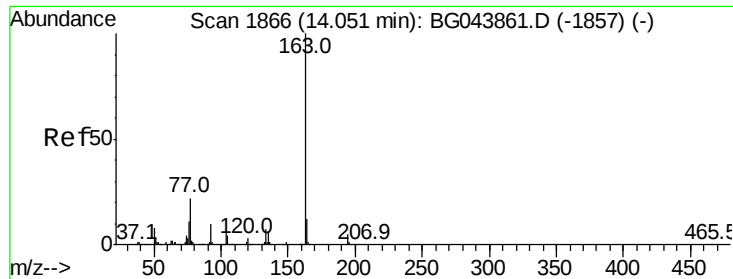
171 41.1 35.8 53.8

170 27.8 24.2 36.4



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

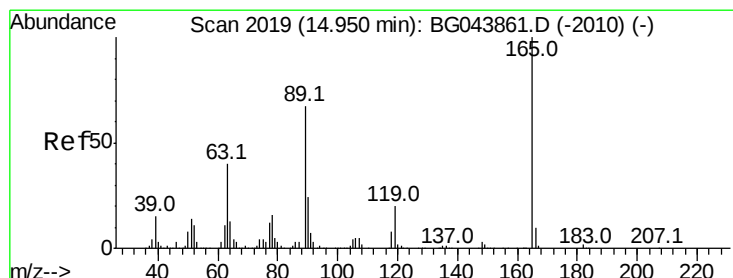
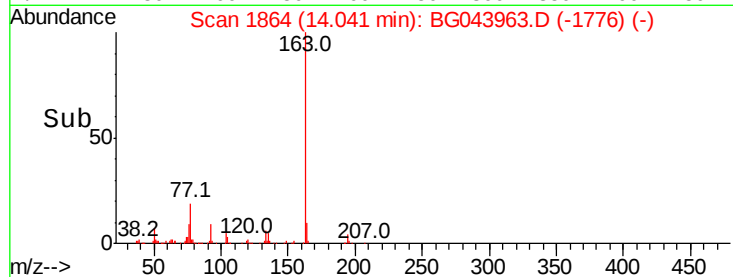
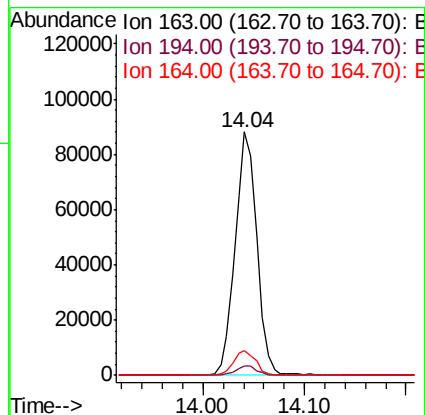
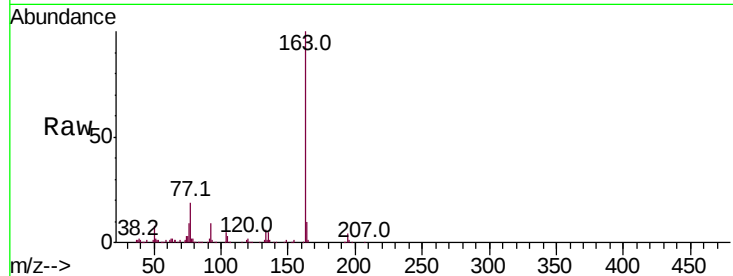




#50
Dimethylphthalate
Concen: 4.247 ng
RT: 14.04 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

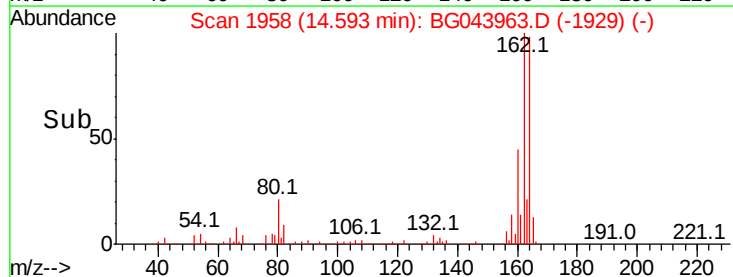
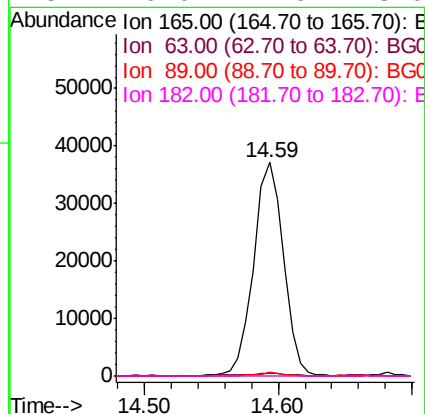
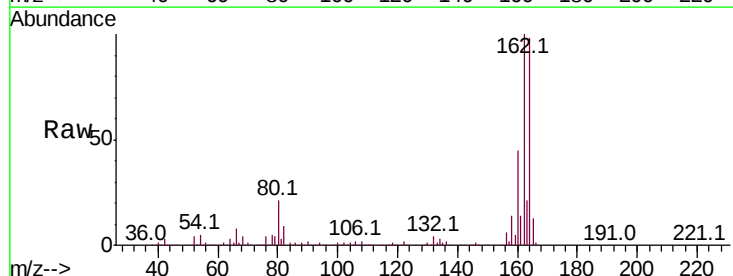
Instrument :
BNA_G
ClientSampleId :

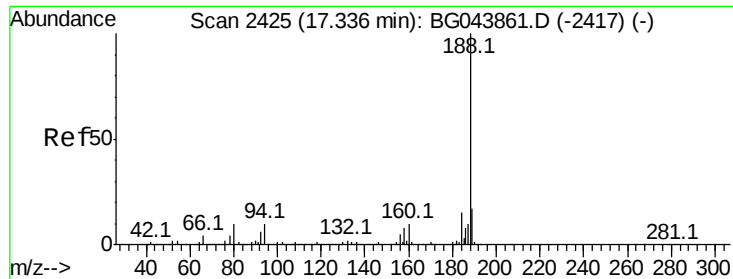
Tot Ion:163 Resp: 130937
Ion Ratio Lower Upper
163 100
194 3.6 3.7 5.5#
164 10.4 9.3 13.9



#57
2,4-Dinitrotoluene
Concen: 6.058 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.36 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Tgt Ion:165 Resp: 57440
Ion Ratio Lower Upper
165 100
63 1.2 31.9 47.9#
89 1.6 53.8 80.6#
182 0.0 2.0 3.0#

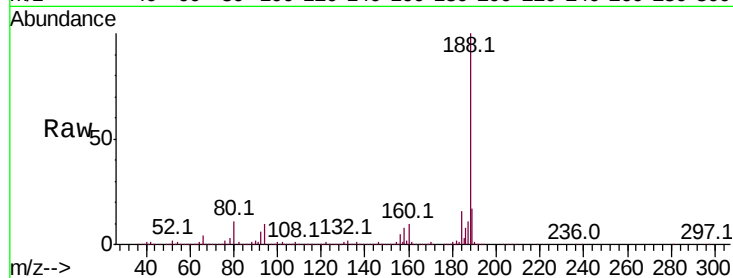




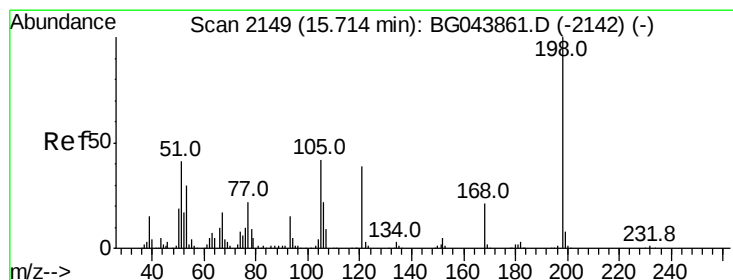
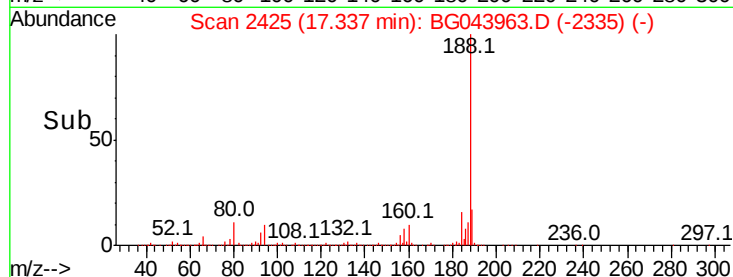
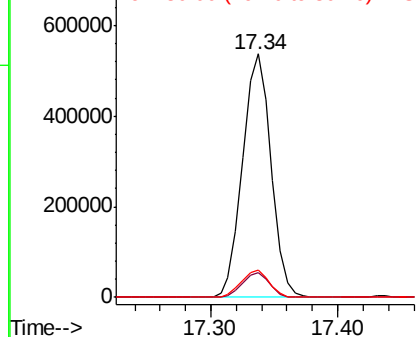
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.34 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 834392
Ion Ratio Lower Upper
188 100
94 10.0 7.9 11.9
80 11.1 8.2 12.4

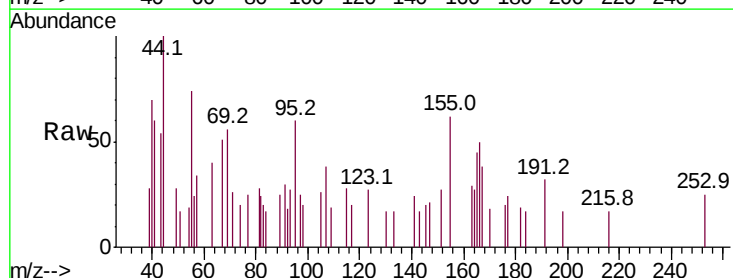


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGC
Ion 80.00 (79.70 to 80.70): BGC

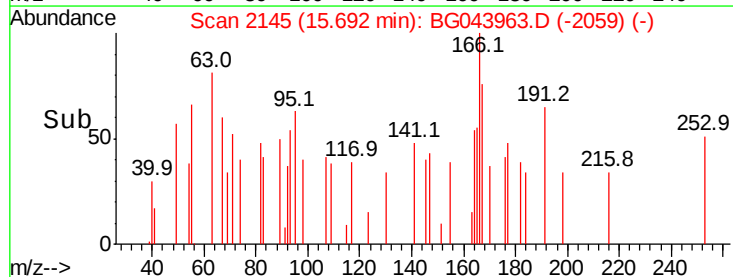
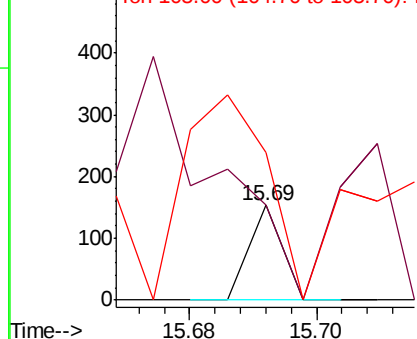


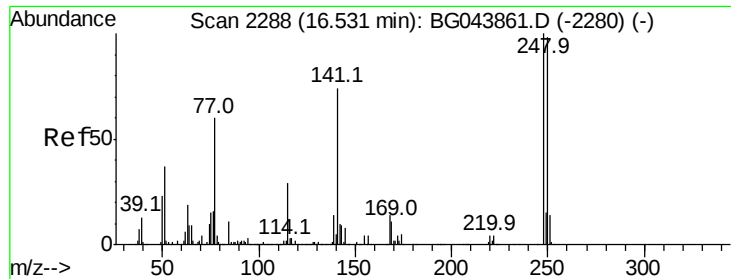
#65
4,6-Dinitro-2-methylphenol
Concen: 4.401 ng
RT: 15.69 min Scan# 2145
Delta R.T. -0.02 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Tgt Ion:198 Resp: 54
Ion Ratio Lower Upper
198 100
51 100.0 22.5 62.5#
105 156.2 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BGC
Ion 105.00 (104.70 to 105.70): E

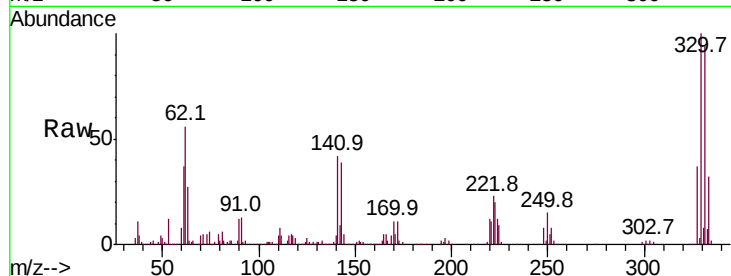




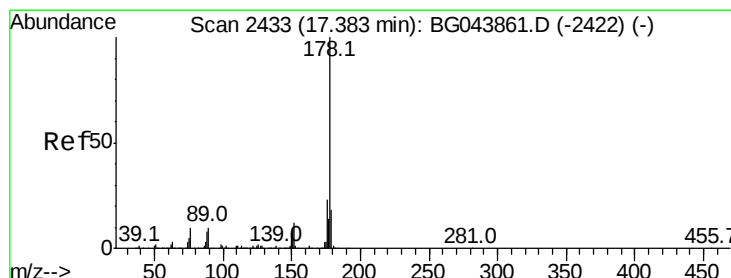
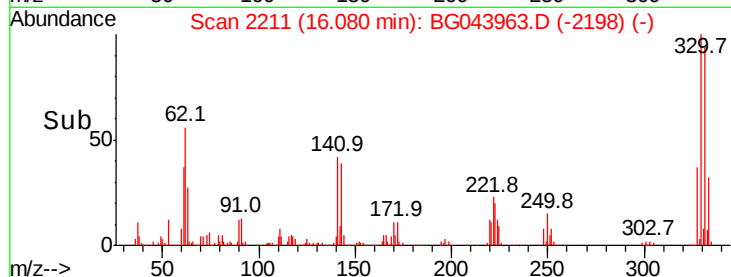
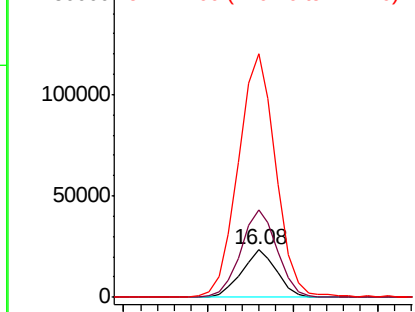
#67
4-Bromophenyl-phenylether
Concen: 3.600 ng
RT: 16.08 min Scan# 2211
Delta R.T. -0.45 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 33782
Ion Ratio Lower Upper
248 100
250 183.5 78.2 117.2#
141 510.1 59.3 88.9#

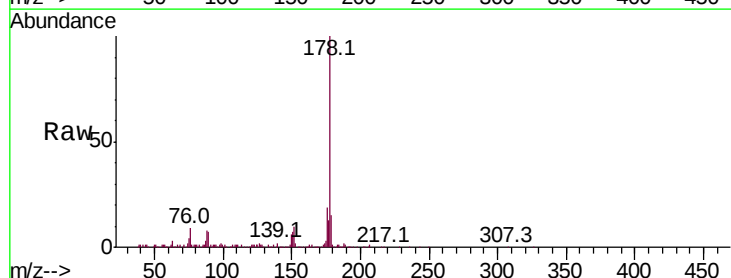


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

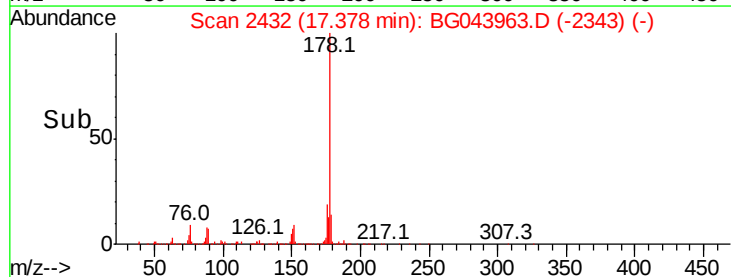
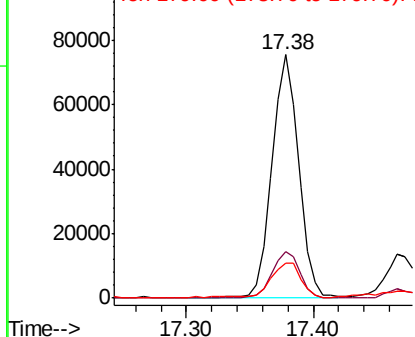


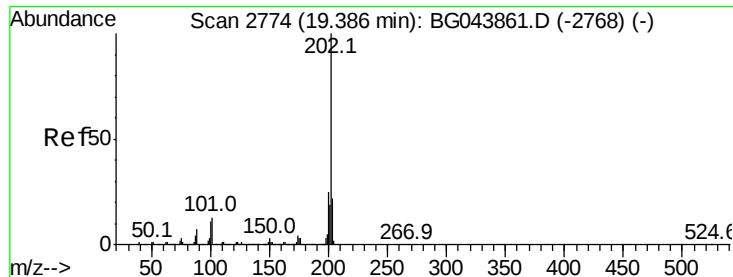
#71
Phenanthrene
Concen: 2.759 ng
RT: 17.38 min Scan# 2432
Delta R.T. -0.00 min
Lab File: BG043963.D
Acq: 7 Jan 2020 20:51

Tgt Ion:178 Resp: 110426
Ion Ratio Lower Upper
178 100
176 19.0 18.6 28.0
179 14.5 14.4 21.6



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: 4.922 ng

RT: 19.39 min Scan# 2774

Delta R.T. 0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

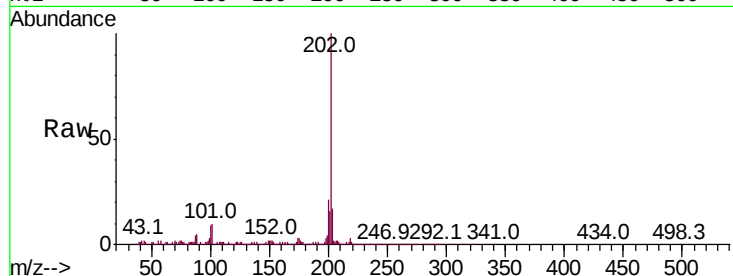
Tot Ion:202 Resp: 225300

Ion Ratio Lower Upper

202 100

101 10.5 0.0 33.3

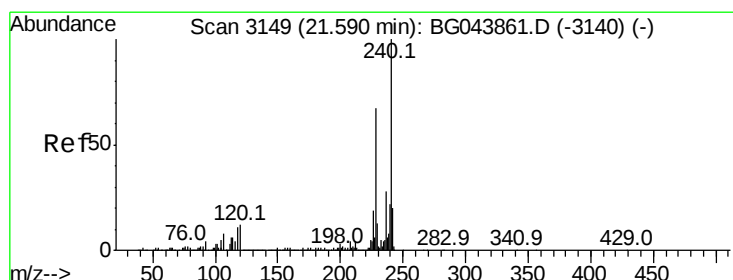
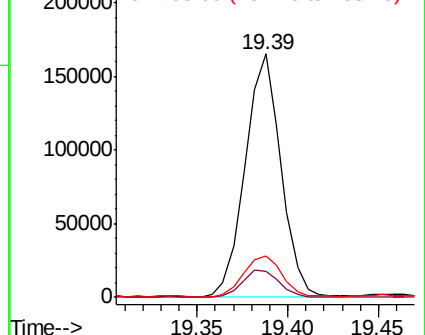
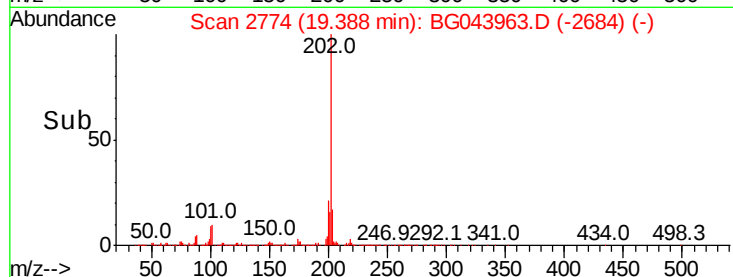
203 17.1 1.6 41.6



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: 21.59 min Scan# 3148

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

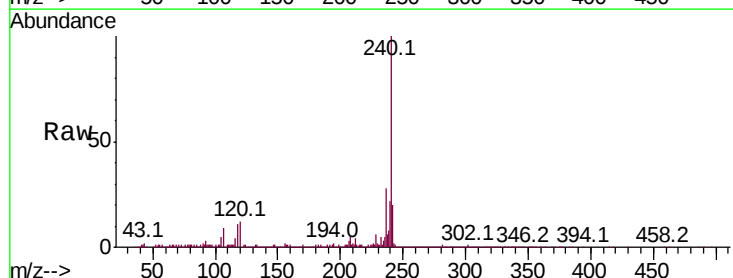
Tgt Ion:240 Resp: 680344

Ion Ratio Lower Upper

240 100

120 12.1 9.6 14.4

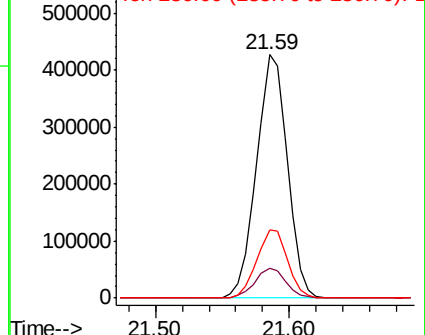
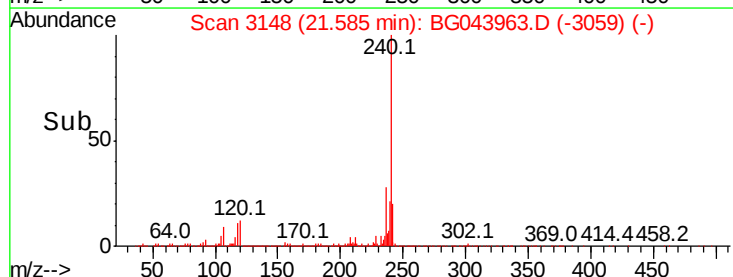
236 28.1 22.2 33.2

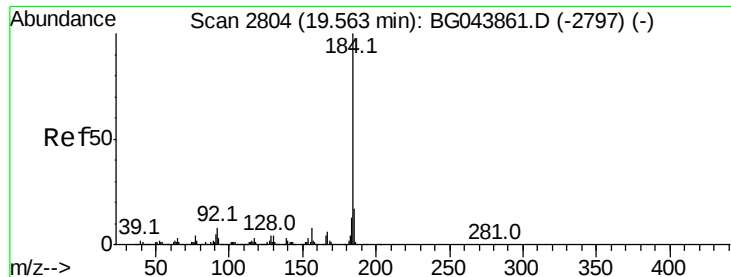


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.424 ng

RT: 19.95 min Scan# 2870

Delta R.T. 0.39 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

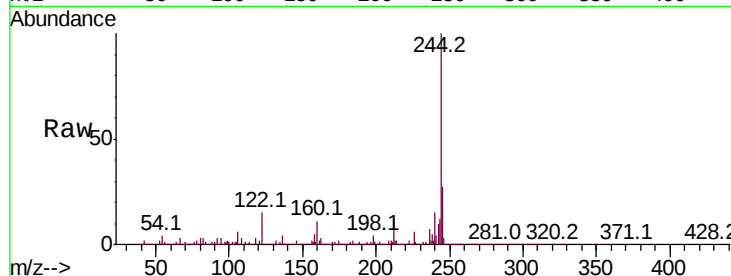
Tot Ion:184 Resp: 41446

Ion Ratio Lower Upper

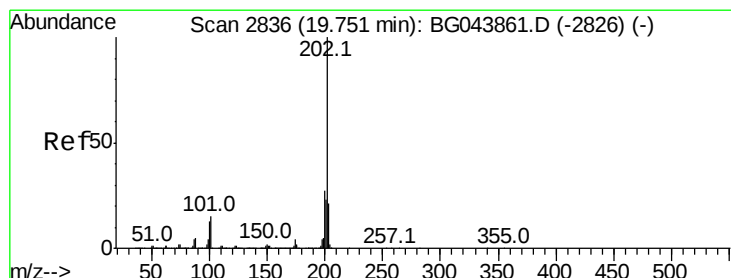
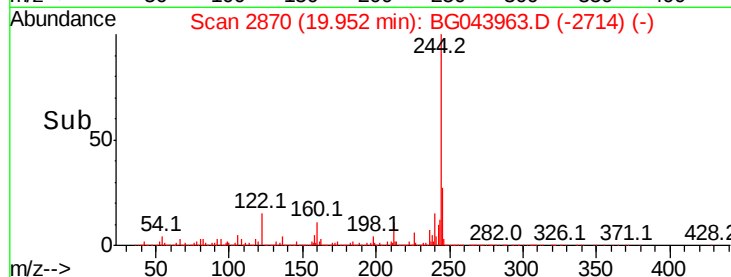
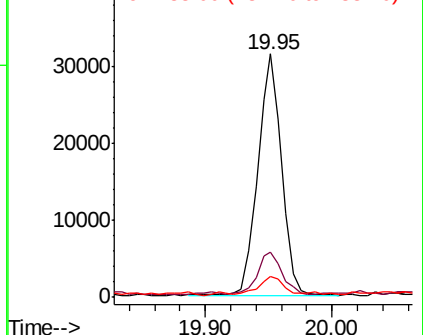
184 100

185 18.5 13.4 20.0

183 8.6 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



#78

Pyrene

Concen: 5.559 ng

RT: 19.75 min Scan# 2835

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

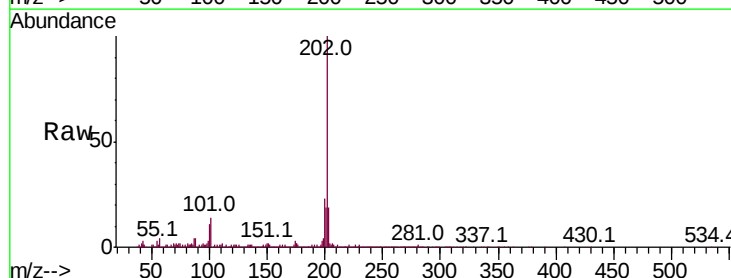
Tgt Ion:202 Resp: 246857

Ion Ratio Lower Upper

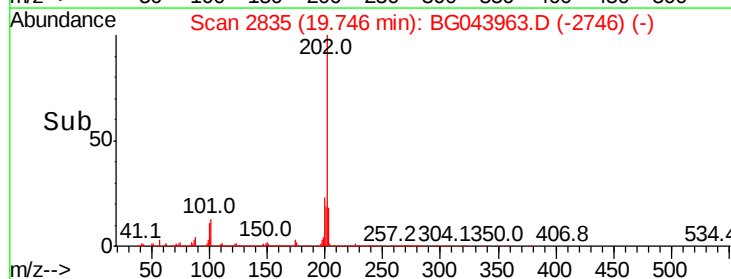
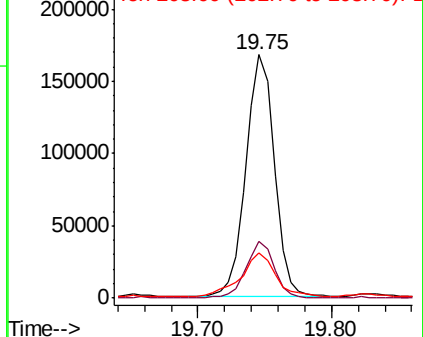
202 100

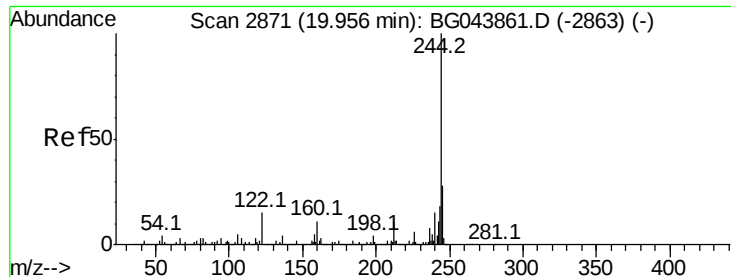
200 23.3 21.7 32.5

203 18.5 17.0 25.6



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: 71.908 ng

RT: 19.95 min Scan# 2870

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

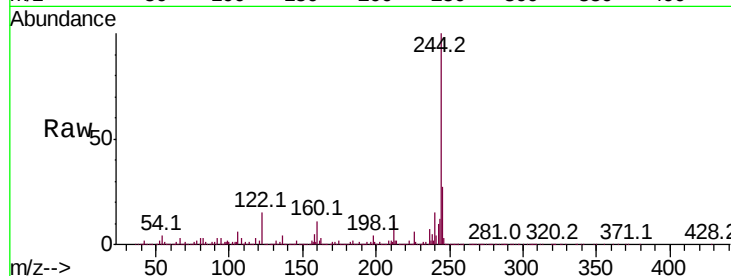
Tot Ion:244 Resp: 2117406

Ion Ratio Lower Upper

244 100

212 10.7 8.6 13.0

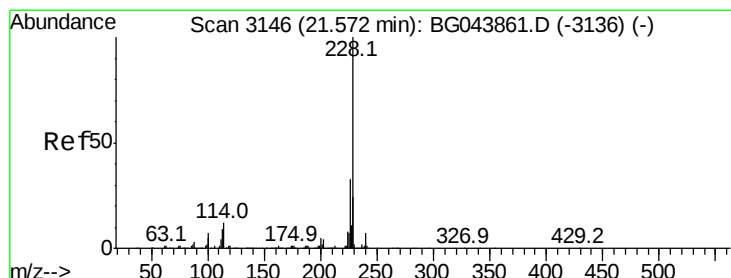
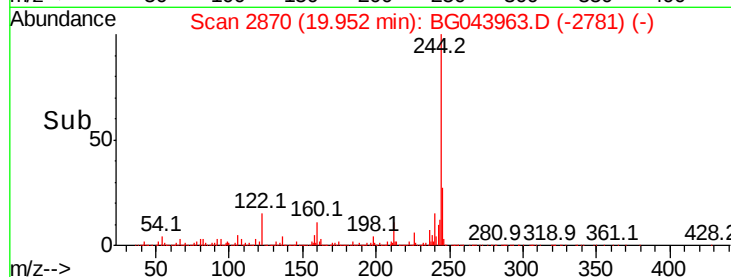
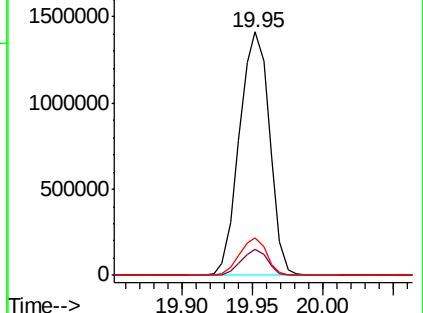
122 15.4 11.9 17.9



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 2.822 ng

RT: 21.57 min Scan# 3145

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

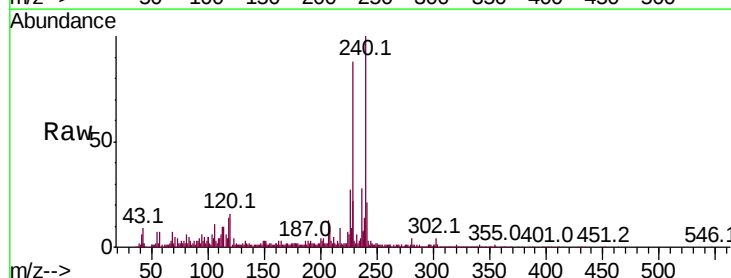
Tgt Ion:228 Resp: 119064

Ion Ratio Lower Upper

228 100

226 30.4 26.2 39.4

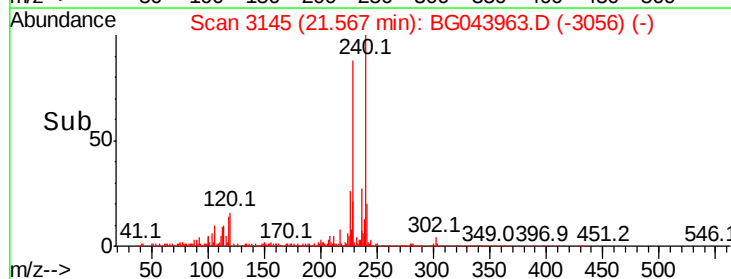
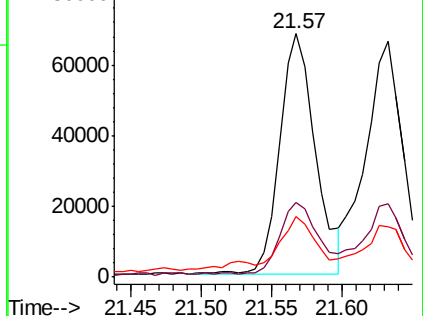
229 25.1 18.9 28.3

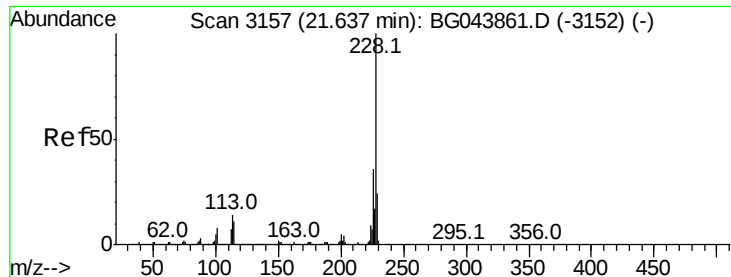


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.998 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

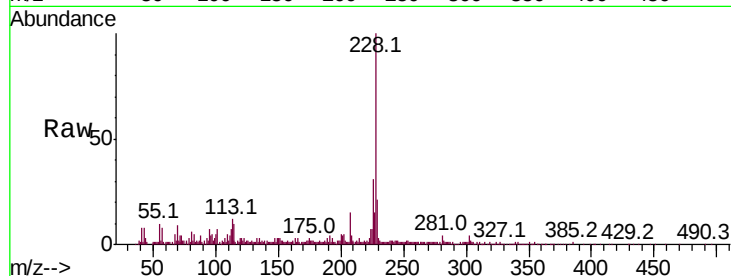
Instrument :

BNA_G

ClientSampleId :

Tot Ion:228 Resp: 120162

Ion	Ratio	Lower	Upper
228	100		
226	30.8	28.8	43.2
229	21.2	19.0	28.6

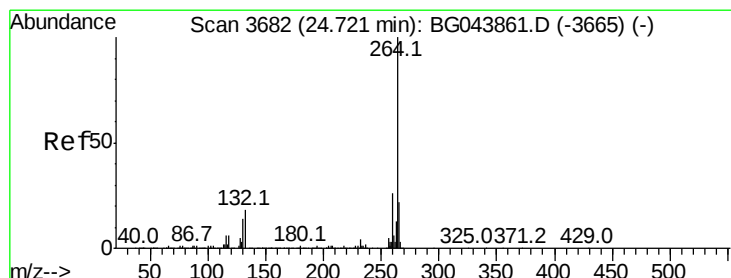
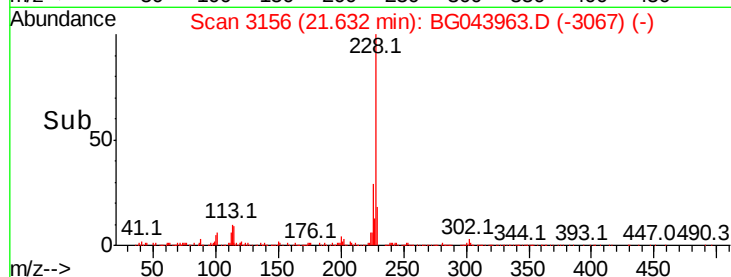
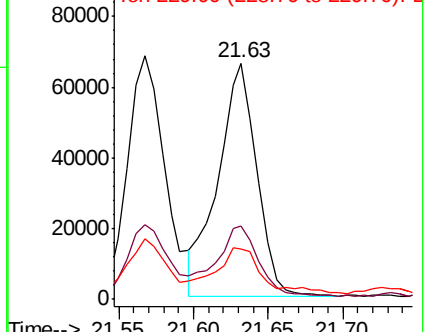


Abundance

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



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.72 min Scan# 3682

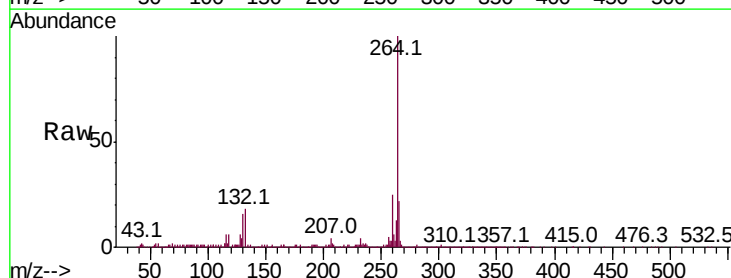
Delta R.T. 0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Tgt Ion:264 Resp: 772838

Ion	Ratio	Lower	Upper
264	100		
260	24.8	20.4	30.6
265	22.2	17.4	26.2

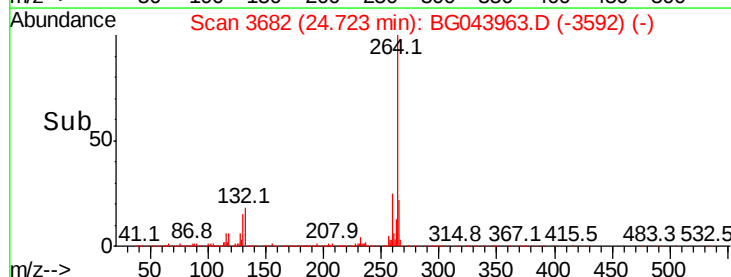
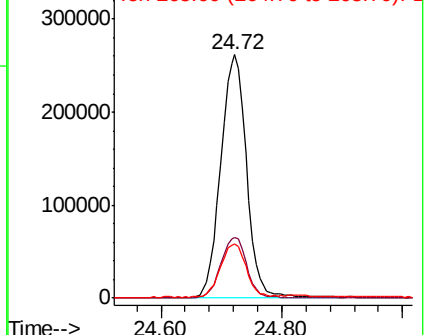


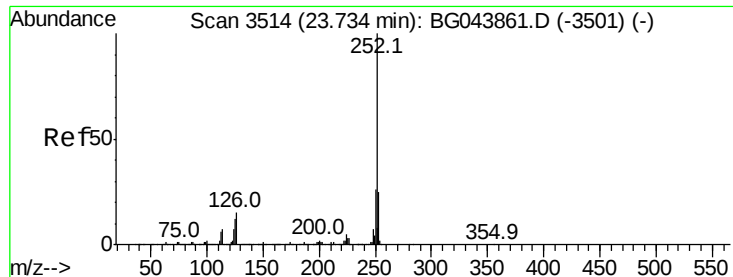
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.700 ng

RT: 23.73 min Scan# 3513

Delta R.T. -0.00 min

Lab File: BG043963.D

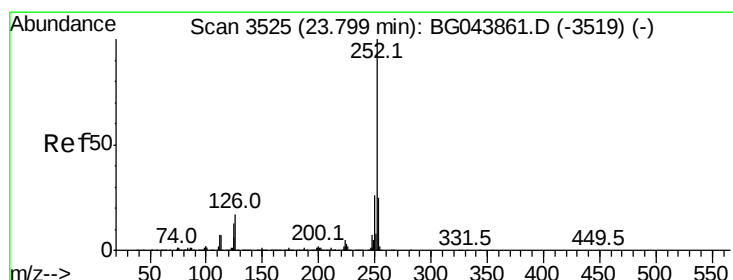
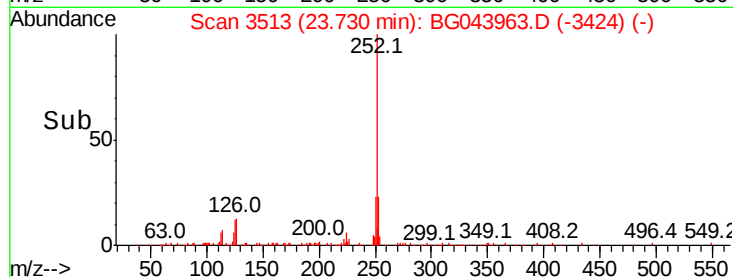
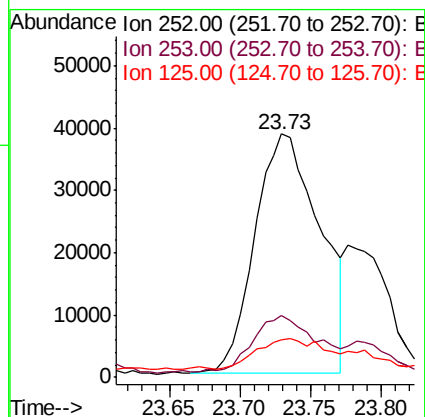
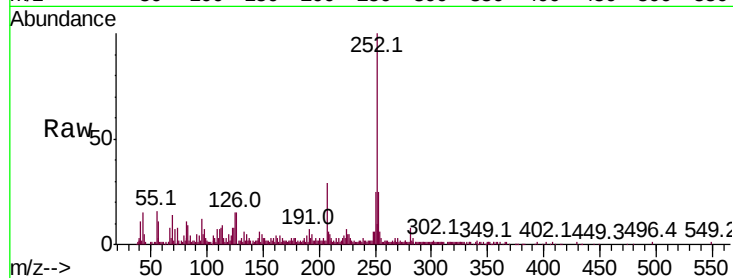
Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	252	Resp:	123376
Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.7	29.5
125	15.3	9.4	14.2#



#89

Benzo(k)fluoranthene

Concen: 2.840 ng

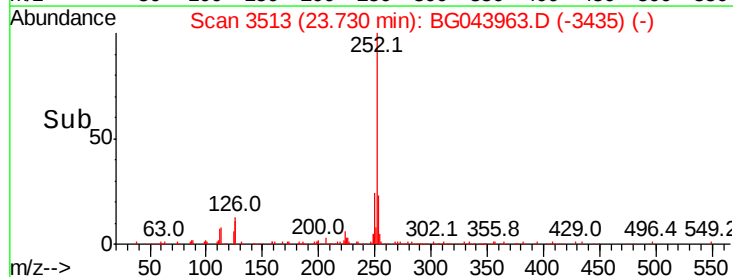
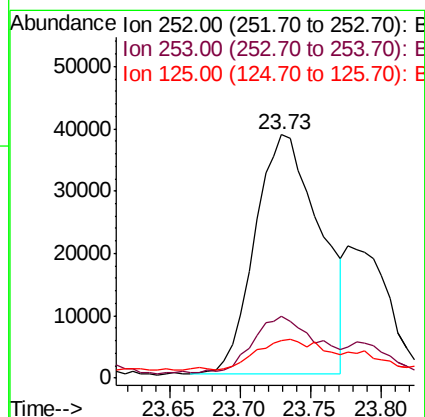
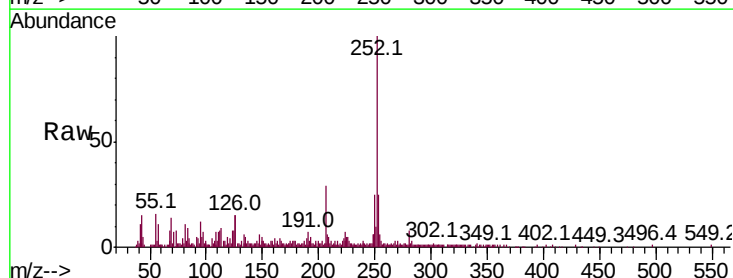
RT: 23.73 min Scan# 3513

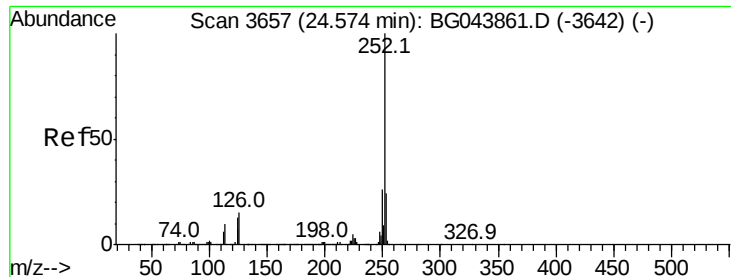
Delta R.T. -0.07 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Tgt Ion:	252	Resp:	123376
Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.4	29.2
125	15.3	9.9	14.9#





#90

Benzo(a)pyrene

Concen: 2.314 ng

RT: 24.57 min Scan# 3656

Delta R.T. -0.00 min

Lab File: BG043963.D

Acq: 7 Jan 2020 20:51

Instrument :

BNA_G

ClientSampleId :

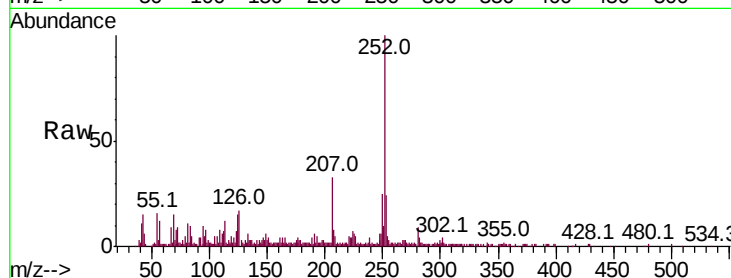
Tot Ion:252 Resp: 99802

Ion Ratio Lower Upper

252 100

253 24.0 19.3 28.9

125 14.6 10.4 15.6



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

