

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
 Data File : BG043964.D
 Acq On : 7 Jan 2020 21:30
 Operator : JU
 Sample : L1037-01 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 08 02:42:24 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	7.96	152	159226	20.00	ng	0.00
21) Naphthalene-d8	10.77	136	674760	20.00	ng	0.00
39) Acenaphthene-d10	14.59	164	413702	20.00	ng	0.00
64) Phenanthrene-d10	17.34	188	794201	20.00	ng	0.00
76) Chrysene-d12	21.59	240	645834	20.00	ng	0.00
87) Perylene-d12	24.72	264	728735	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	85587	9.87	ng	0.00
7) Phenol-d6	7.13	99	218328	18.01	ng	0.00
23) Nitrobenzene-d5	9.12	82	128207	10.16	ng	0.00
42) 2,4,6-Tribromophenol	16.08	330	15358	3.55	ng	0.00
45) 2-Fluorobiphenyl	13.22	172	301377	13.20	ng	0.00
79) Terphenyl-d14	19.95	244	387575	5.70	ng	0.00

Target Compounds

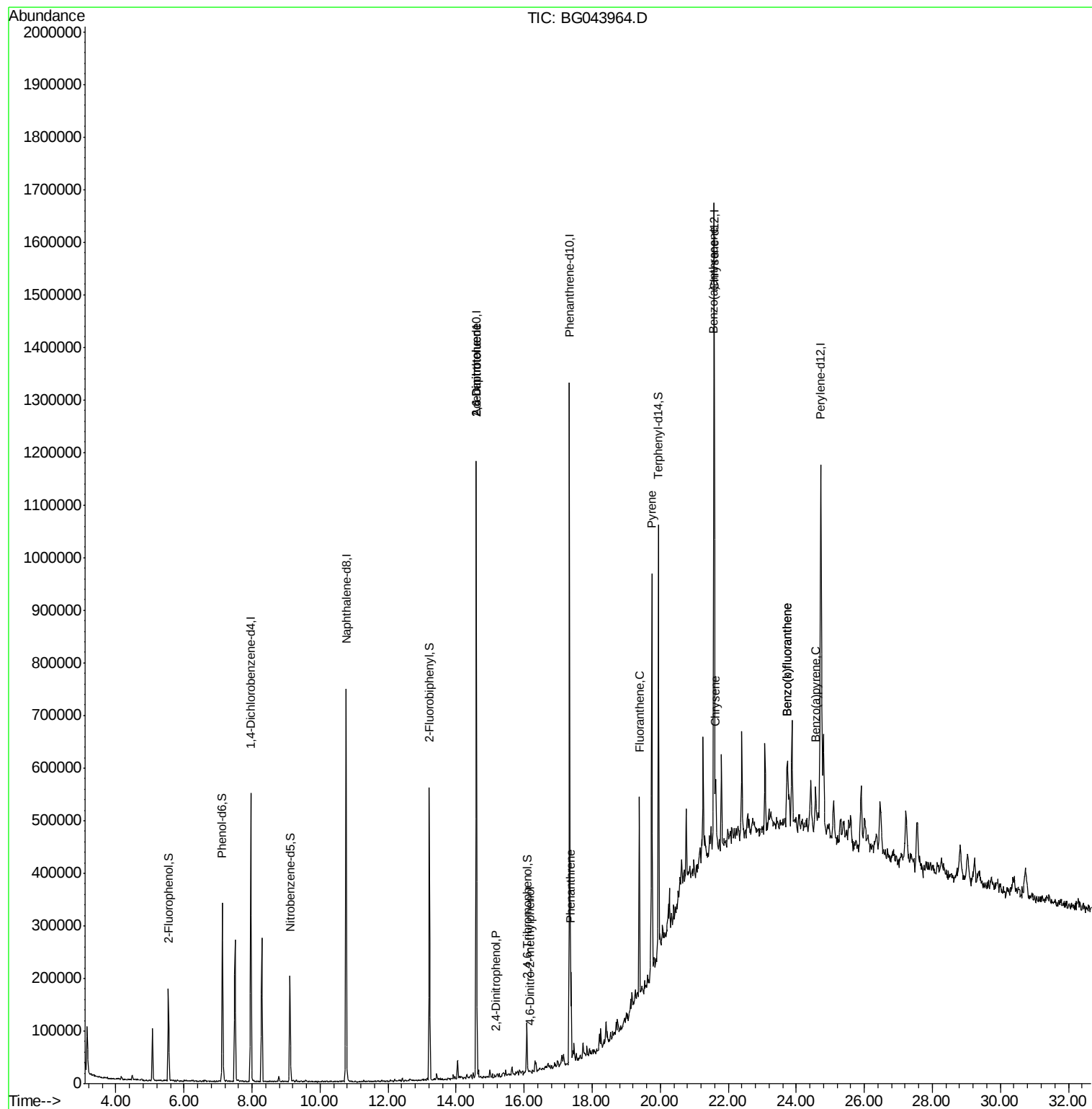
						Qvalue
51) 2,6-Dinitrotoluene	14.59	165	54913	8.271	ng	# 26
54) 2,4-Dinitrophenol	15.17	184	65	5.501	ng	# 20
57) 2,4-Dinitrotoluene	14.59	165	54913	6.078	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.17	198	57	4.402	ng	# 1
71) Phenanthrene	17.38	178	115468	3.031	ng	93
75) Fluoranthene	19.39	202	219716	5.043	ng	95
78) Pyrene	19.74	202	197711	4.690	ng	92
81) Benzo(a)anthracene	21.57	228	90979	2.272	ng	95
83) Chrysene	21.63	228	99189	2.607	ng	94
88) Benzo(b)fluoranthene	23.73	252	133887	3.108	ng	# 87
89) Benzo(k)fluoranthene	23.73	252	133887	3.268	ng	# 87
90) Benzo(a)pyrene	24.57	252	90190	2.218	ng	# 92

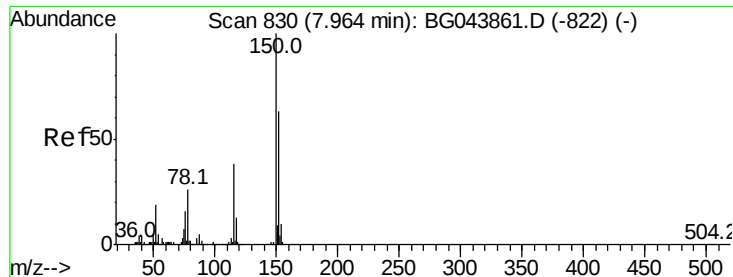
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010720\
Data File : BG043964.D
Acq On : 7 Jan 2020 21:30
Operator : JU
Sample : L1037-01 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 08 02:42:24 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



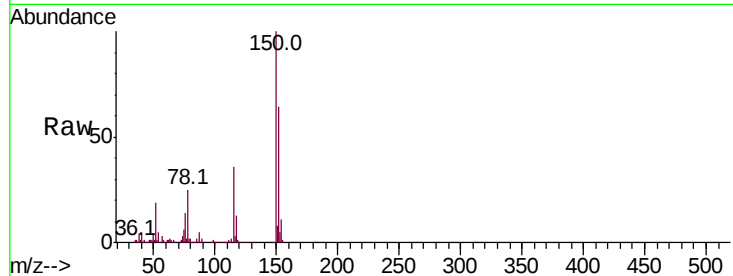


#1

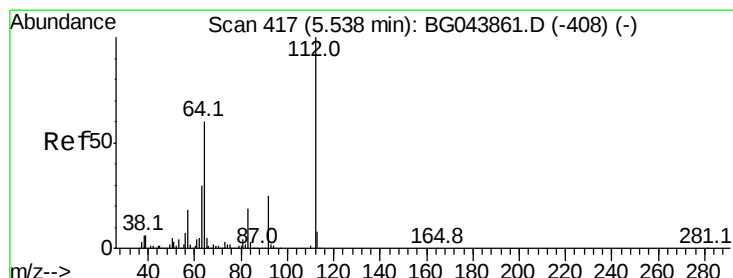
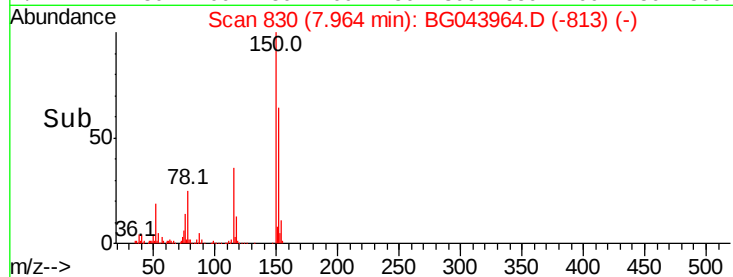
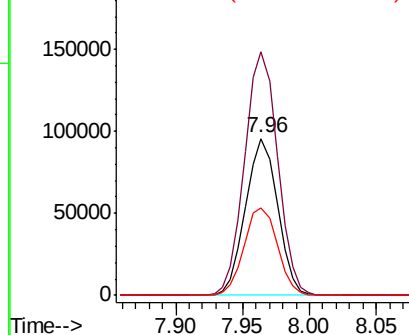
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.96 min Scan# 830
Delta R.T. -0.00 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	127.0	190.4
115	55.9	47.8	71.8



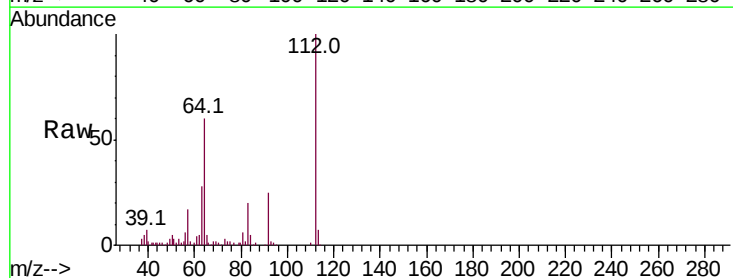
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



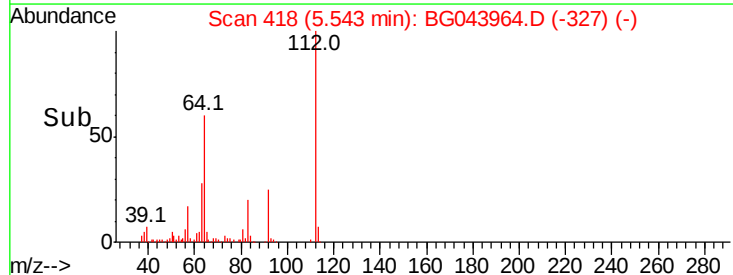
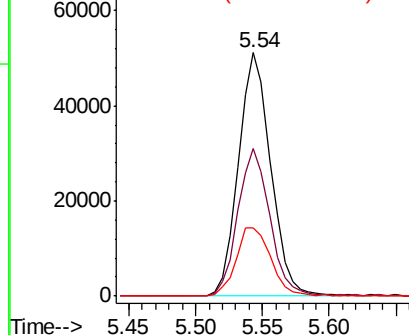
#5

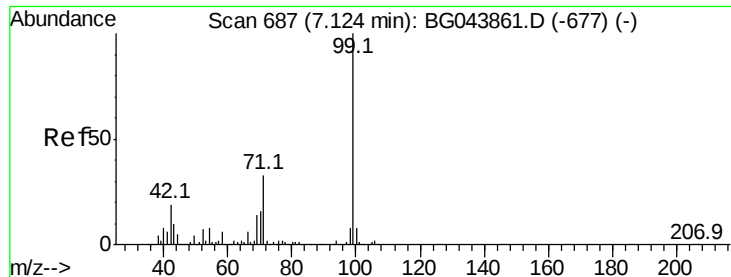
2-Fluorophenol
Concen: 9.869 ng
RT: 5.54 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	47.8	71.6
63	28.1	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: 18.011 ng

RT: 7.13 min Scan# 688

Delta R.T. 0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

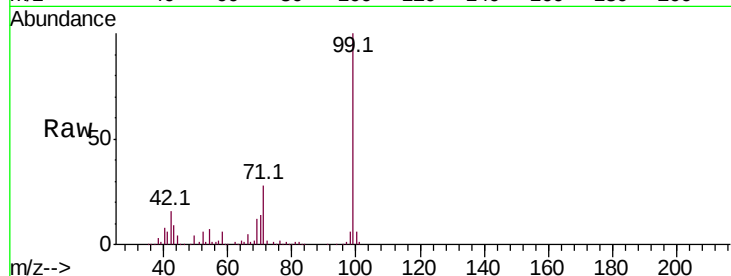
Tot Ion: 99 Resp: 218328

Ion Ratio Lower Upper

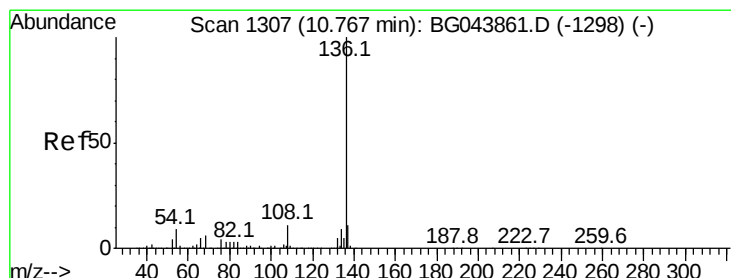
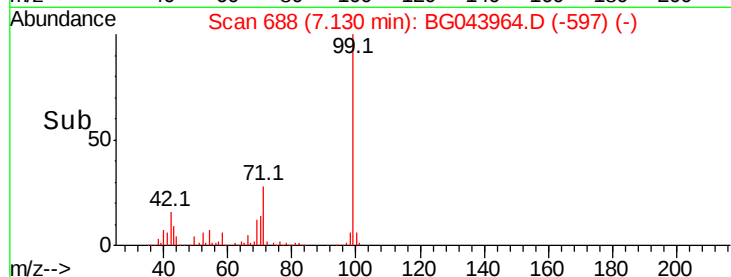
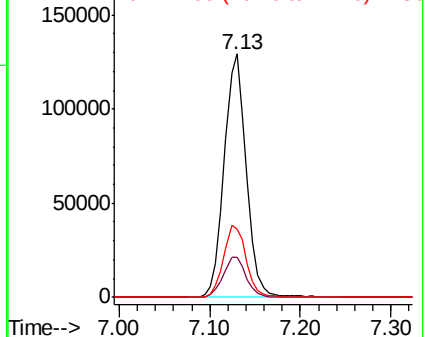
99 100

42 16.3 14.9 22.3

71 28.2 26.4 39.6



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.77 min Scan# 1307

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Tgt Ion: 136 Resp: 674760

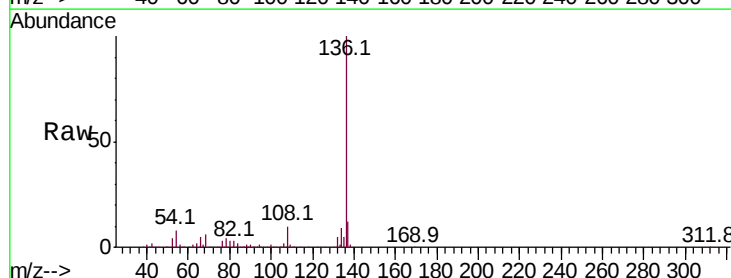
Ion Ratio Lower Upper

136 100

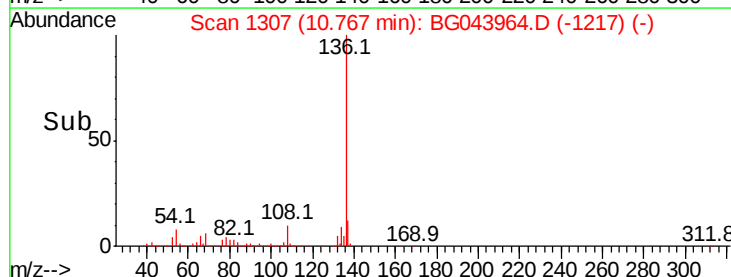
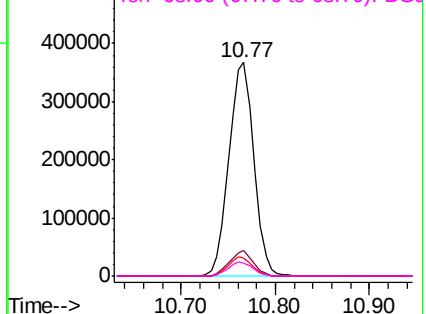
137 11.7 8.8 13.2

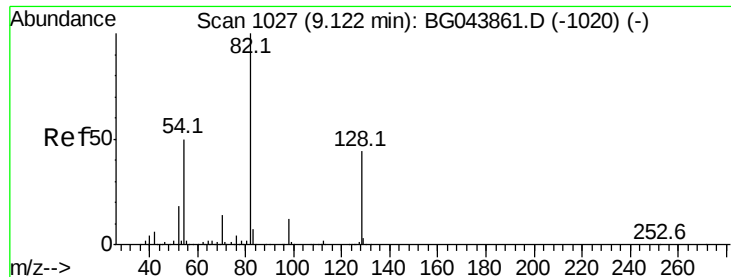
54 8.3 7.0 10.4

68 5.9 4.9 7.3



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

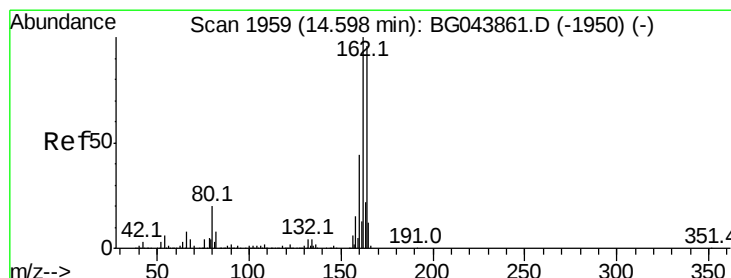
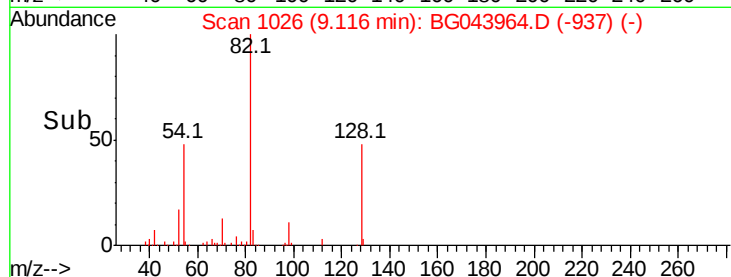
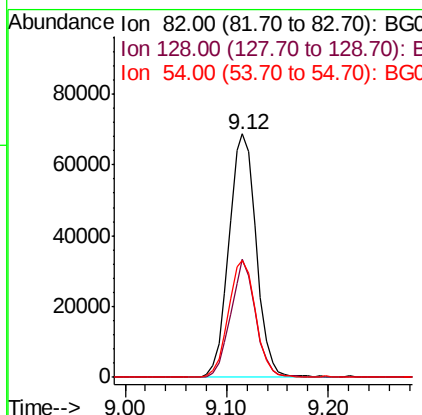
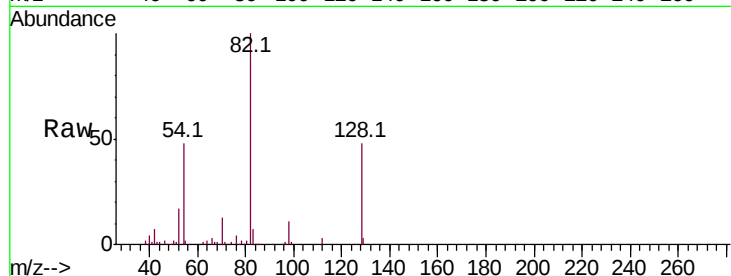




#23
Nitrobenzene-d5
Concen: 10.164 ng
RT: 9.12 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

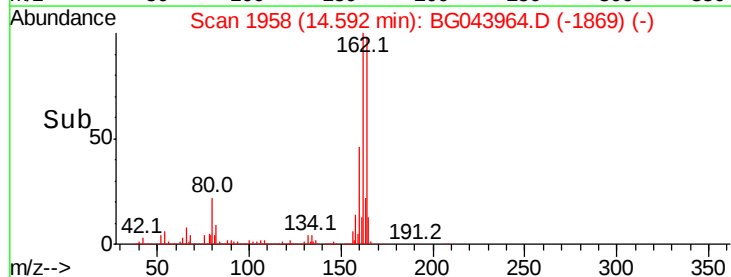
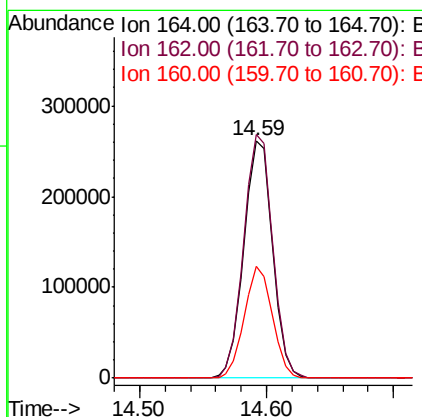
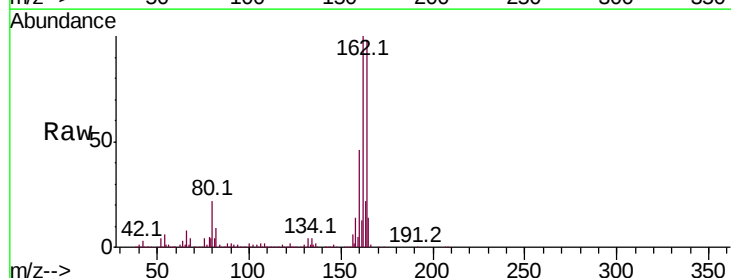
Instrument :
BNA_G
ClientSampled :

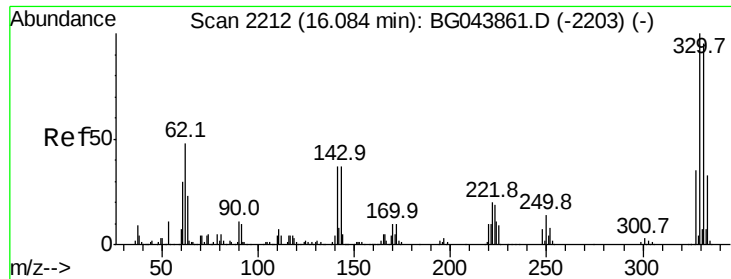
Tot Ion	82	Resp	128207
Ion Ratio	Lower	Upper	
82	100		
128	48.3	35.1	52.7
54	47.9	40.1	60.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.59 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BG043964.D
Acq: 7 Jan 2020 21:30

Tgt Ion	164	Resp	413702
Ion Ratio	Lower	Upper	
164	100		
162	102.5	83.0	124.4
160	46.9	36.1	54.1

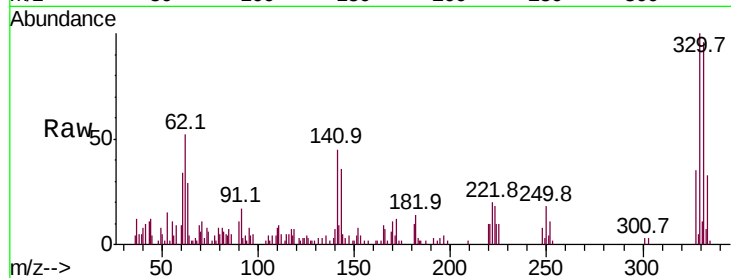




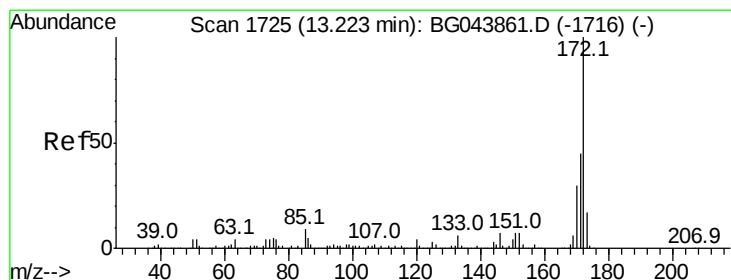
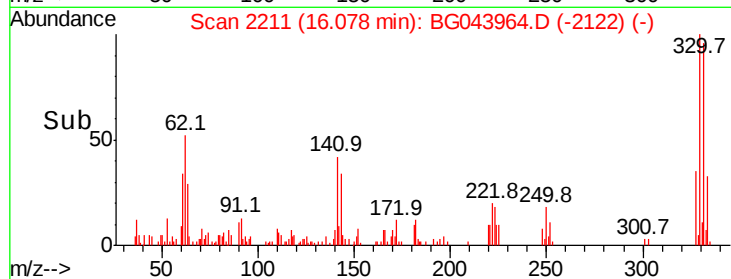
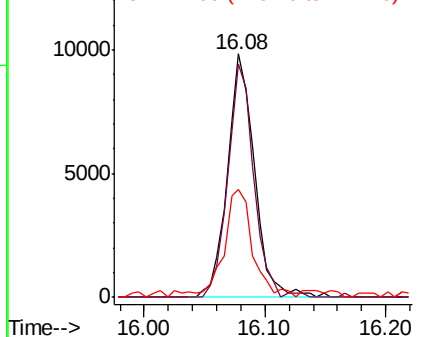
#42
 2,4,6-Tribromophenol
 Concen: 3.547 ng
 RT: 16.08 min Scan# 2211
 Delta R.T. -0.01 min
 Lab File: BG043964.D
 Acq: 7 Jan 2020 21:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:330 Resp: 15358
 Ion Ratio Lower Upper
 330 100
 332 90.6 77.2 115.8
 141 46.3 33.1 49.7

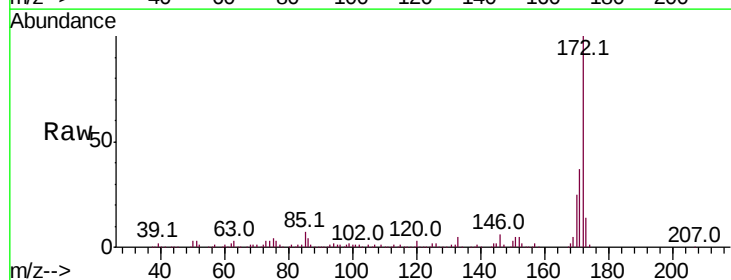


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

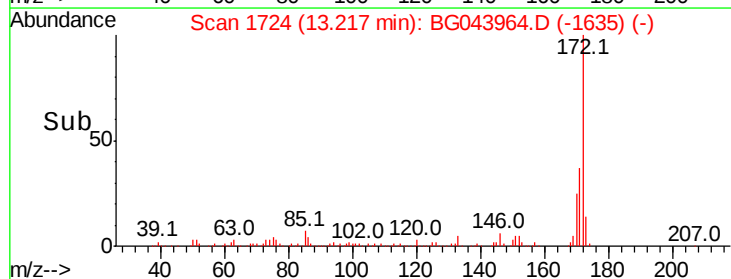
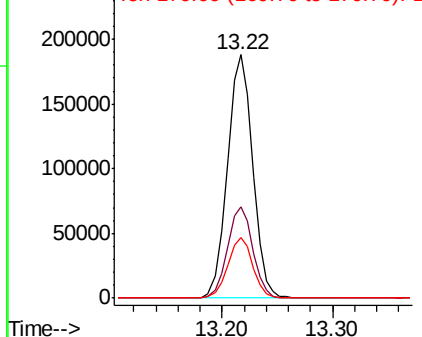


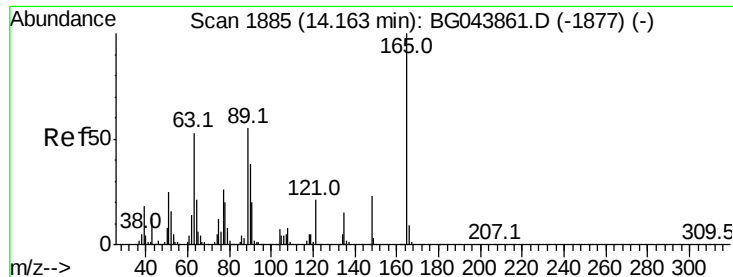
#45
 2-Fluorobiphenyl
 Concen: 13.199 ng
 RT: 13.22 min Scan# 1724
 Delta R.T. -0.01 min
 Lab File: BG043964.D
 Acq: 7 Jan 2020 21:30

Tgt Ion:172 Resp: 301377
 Ion Ratio Lower Upper
 172 100
 171 37.4 35.8 53.8
 170 24.7 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





#51

2,6-Dinitrotoluene

Concen: 8.271 ng

RT: 14.59 min Scan# 1958

Delta R.T. 0.43 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

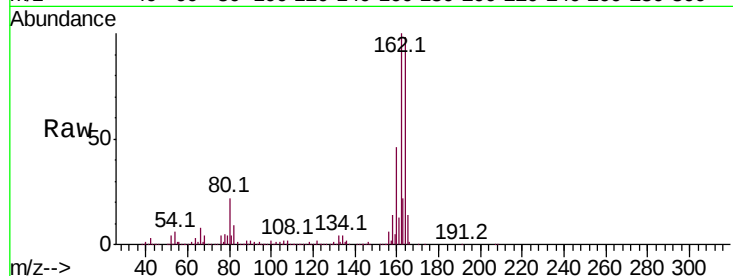
Tot Ion:165 Resp: 54913

Ion Ratio Lower Upper

165 100

63 1.3 43.1 64.7#

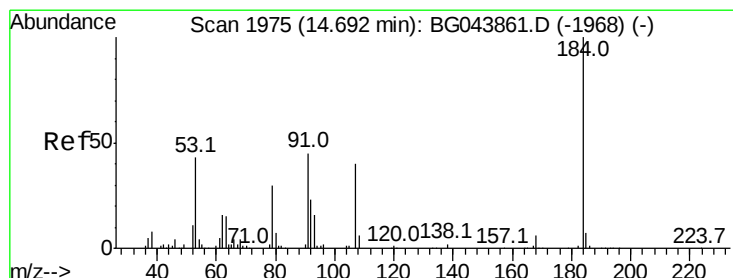
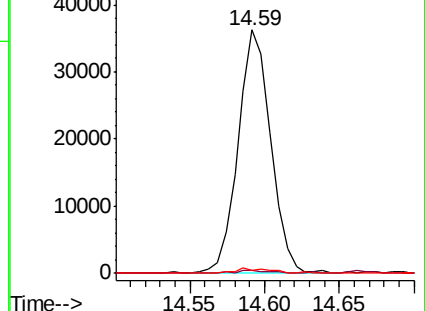
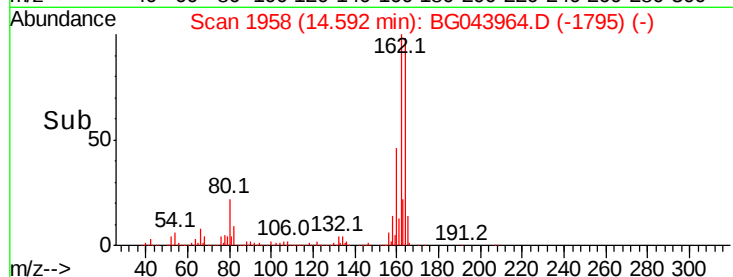
89 1.1 43.8 65.6#



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: 5.501 ng

RT: 15.17 min Scan# 2056

Delta R.T. 0.48 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

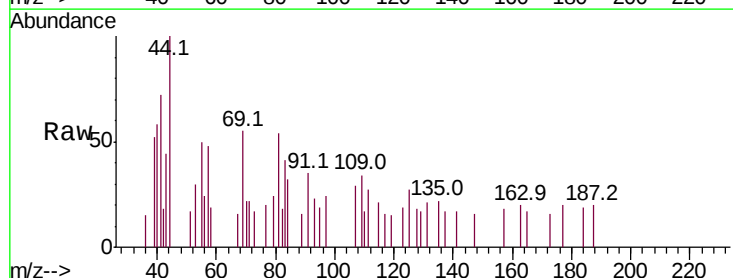
Tgt Ion:184 Resp: 65

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

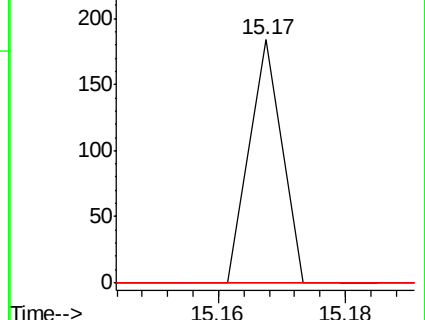
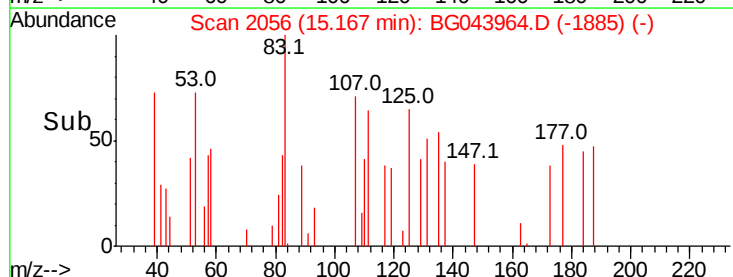
154 0.0 50.2 75.4#

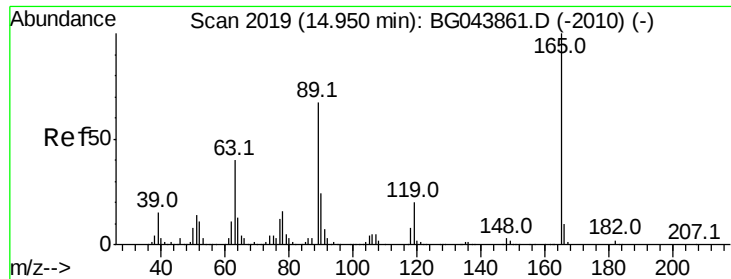


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

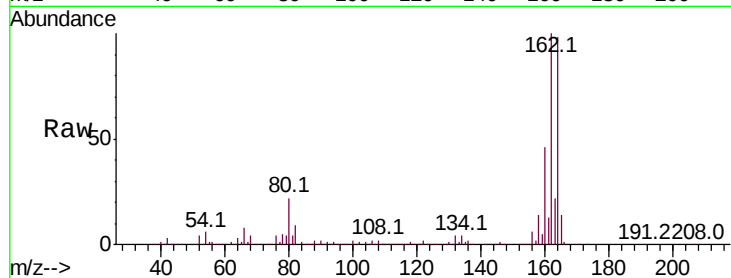




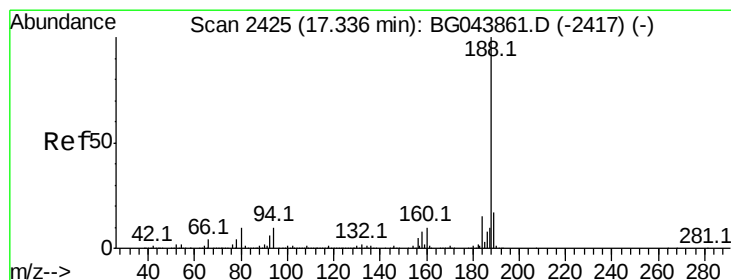
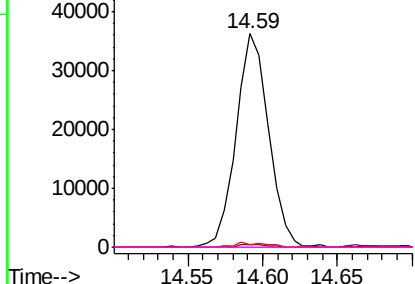
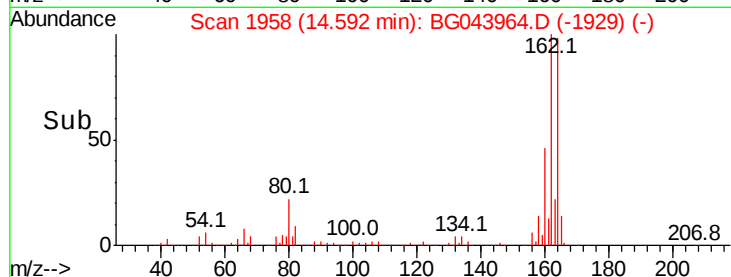
#57
 2,4-Dinitrotoluene
 Concen: 6.078 ng
 RT: 14.59 min Scan# 1958
 Delta R.T. -0.36 min
 Lab File: BG043964.D
 Acq: 7 Jan 2020 21:30

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	31.9	47.9#
89	1.1	53.8	80.6#
182	0.0	2.0	3.0#

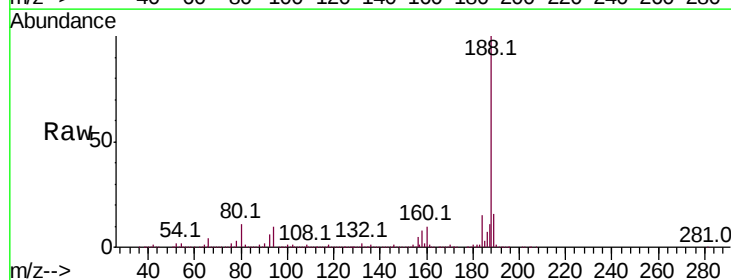


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

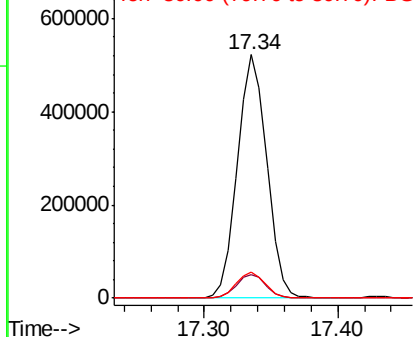
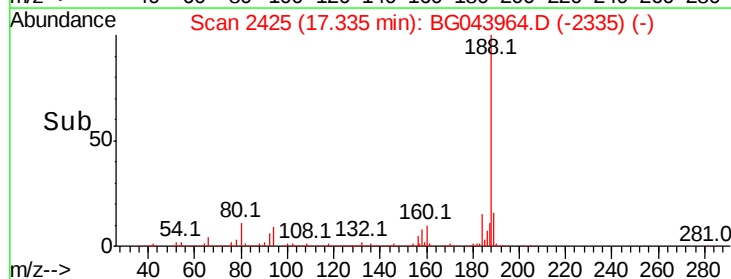


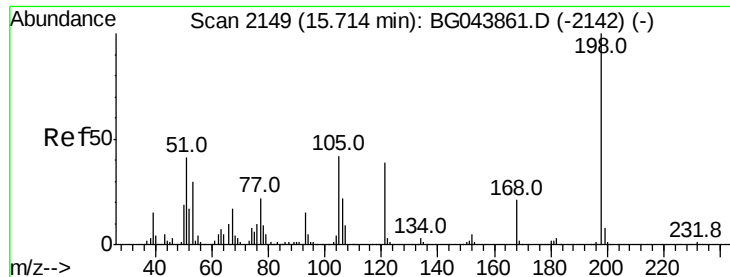
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.34 min Scan# 2425
 Delta R.T. -0.00 min
 Lab File: BG043964.D
 Acq: 7 Jan 2020 21:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.9	11.9
80	10.6	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: 4.402 ng

RT: 16.17 min Scan# 2227

Delta R.T. 0.46 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

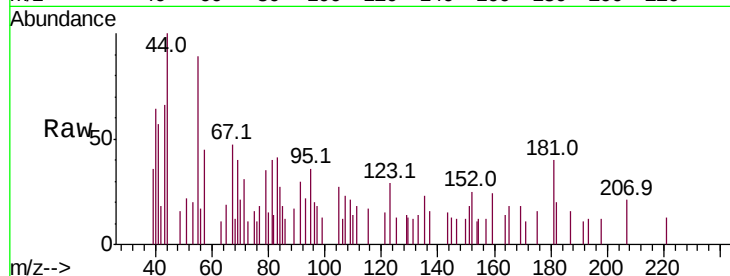
Tot Ion:198 Resp: 57

Ion Ratio Lower Upper

198 100

51 184.0 22.5 62.5#

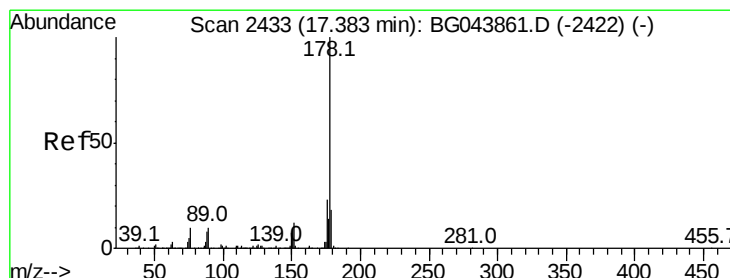
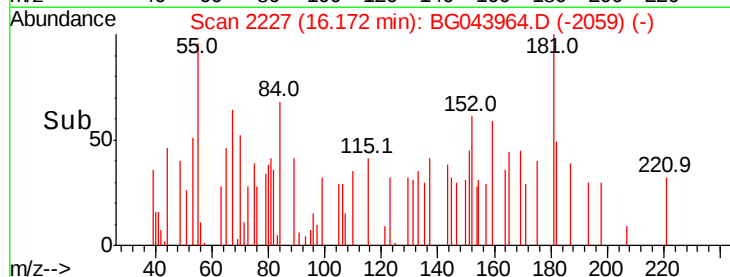
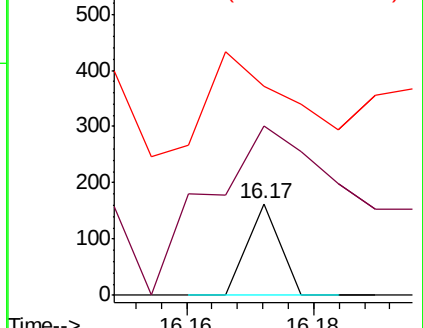
105 228.2 22.3 62.3#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E



#71

Phenanthrene

Concen: 3.031 ng

RT: 17.38 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

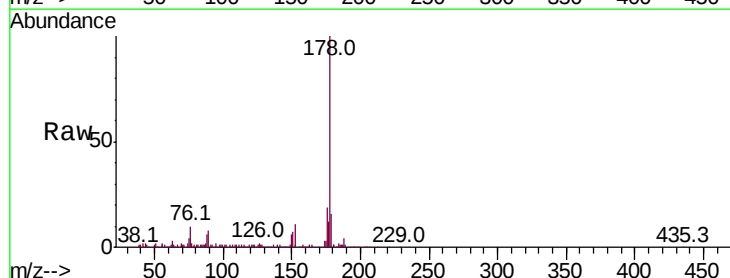
Tgt Ion:178 Resp: 115468

Ion Ratio Lower Upper

178 100

176 18.8 18.6 28.0

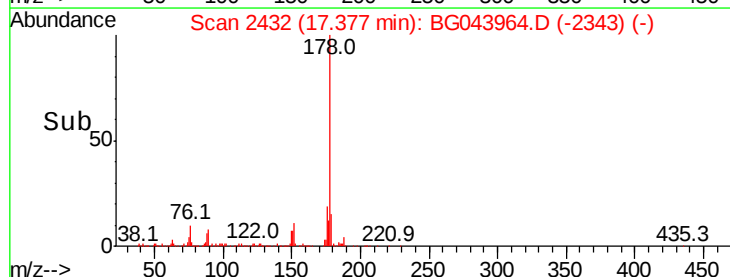
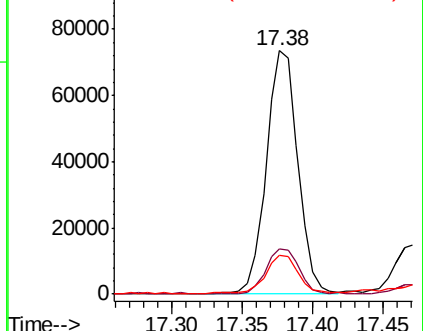
179 15.9 14.4 21.6

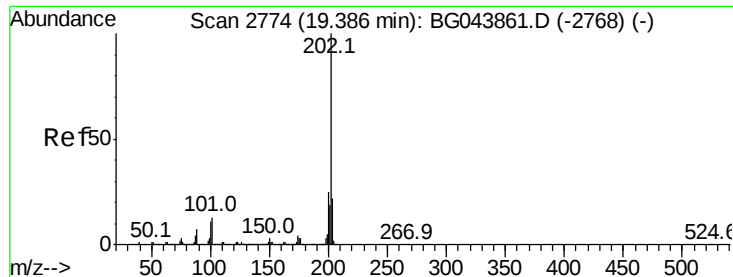


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.043 ng

RT: 19.39 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BG043964.D

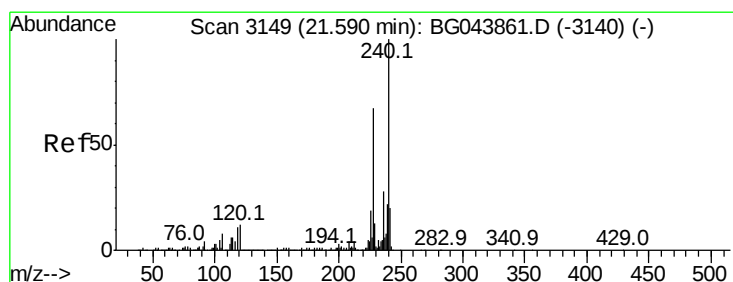
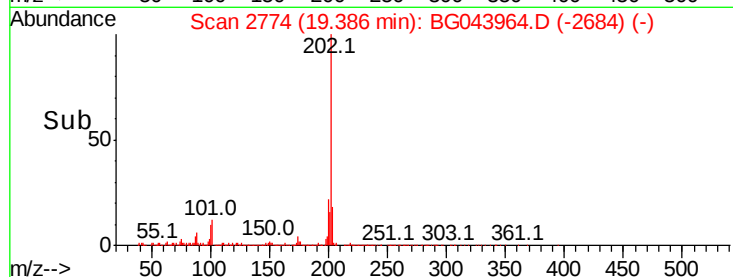
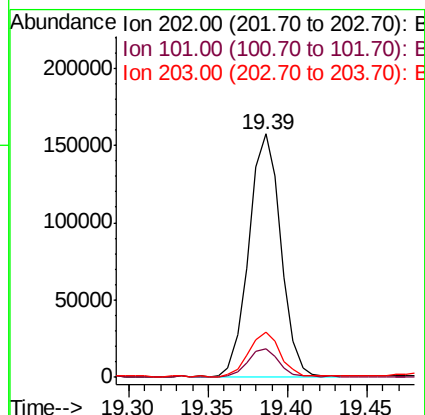
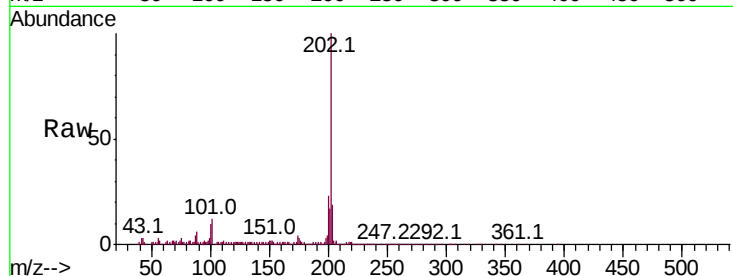
Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

Tot Ion:	202	Resp:	219716
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	33.3
203	18.6	1.6	41.6



#76

Chrysene-d12

Concen: 20.000 ng

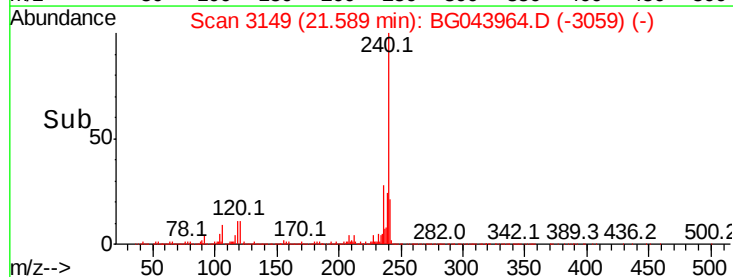
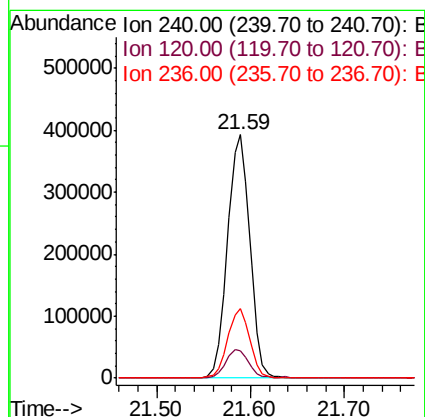
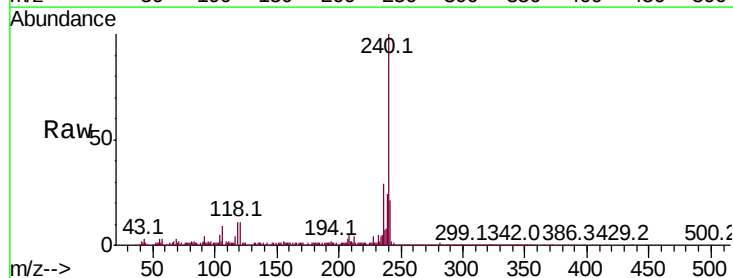
RT: 21.59 min Scan# 3149

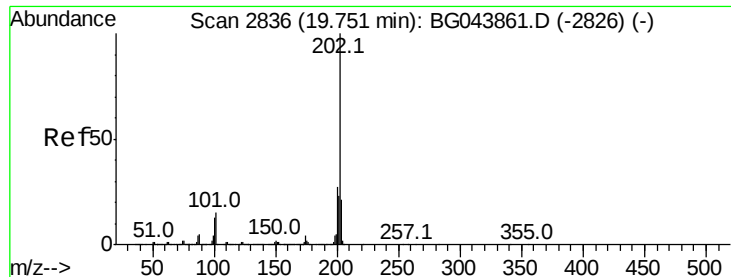
Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Tgt Ion:	240	Resp:	645834
Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.6	14.4
236	28.8	22.2	33.2





#78

Pvrene

Concen: 4.690 ng

RT: 19.74 min Scan# 2835

Delta R.T. -0.01 min

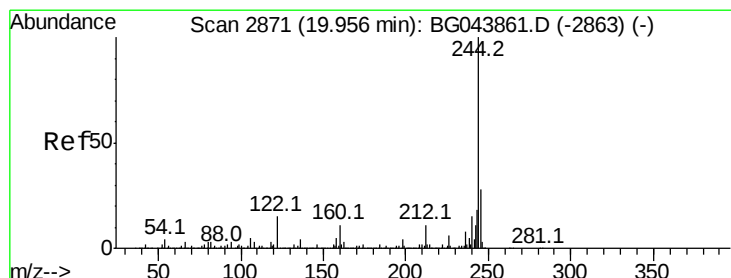
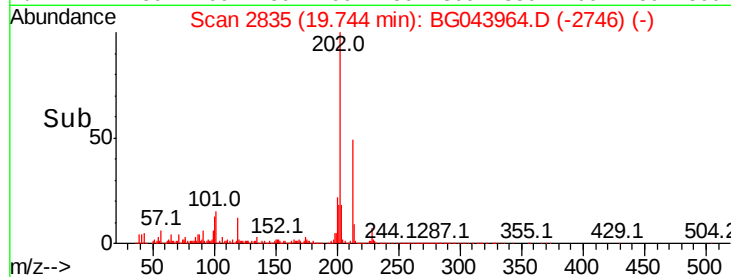
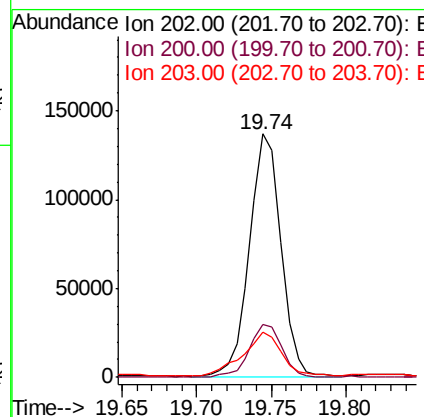
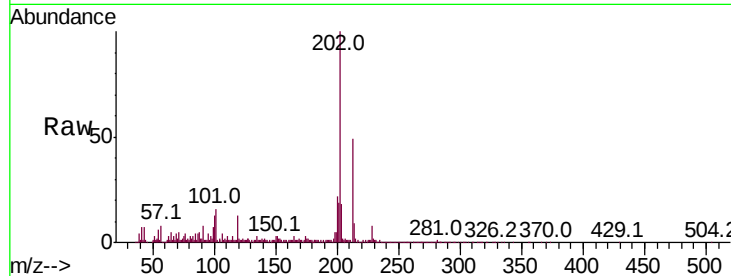
Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :
BNA_G
ClientSampleId :

Tot Ion:202 Resp: 197711

Ion	Ratio	Lower	Upper
202	100		
200	21.8	21.7	32.5
203	18.4	17.0	25.6



#79

Terphenyl-d14

Concen: 5.699 ng

RT: 19.95 min Scan# 2870

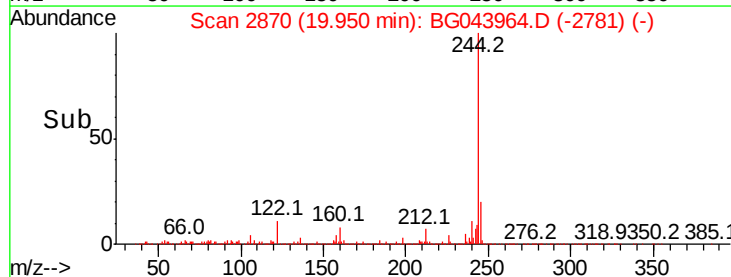
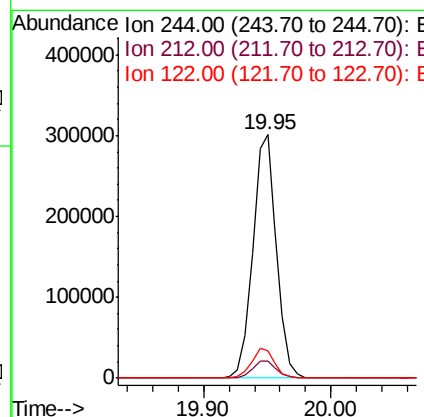
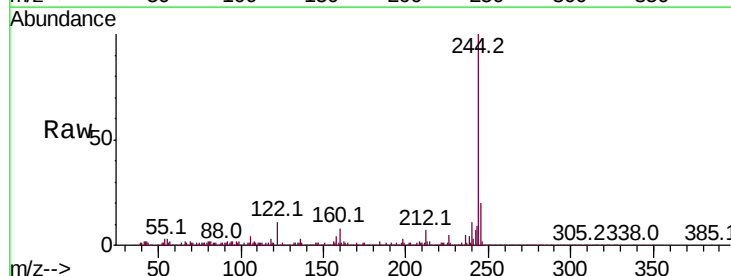
Delta R.T. -0.01 min

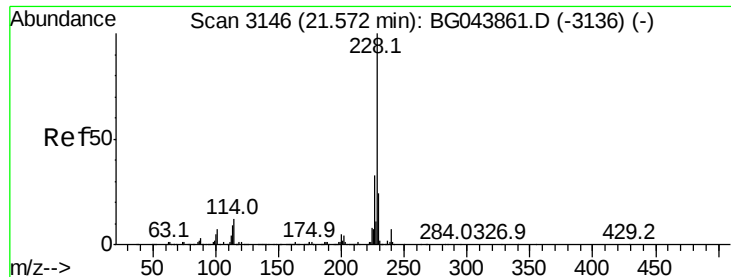
Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Tgt Ion:244 Resp: 387575

Ion	Ratio	Lower	Upper
244	100		
212	6.9	8.6	13.0#
122	11.1	11.9	17.9#





#81

Benzo(a)anthracene

Concen: 2.272 ng

RT: 21.57 min Scan# 3146

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

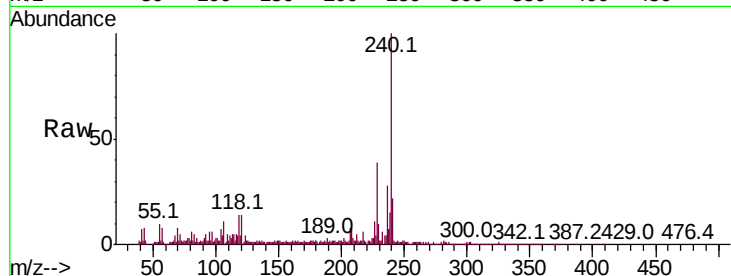
Tot Ion:228 Resp: 90979

Ion Ratio Lower Upper

228 100

226 28.7 26.2 39.4

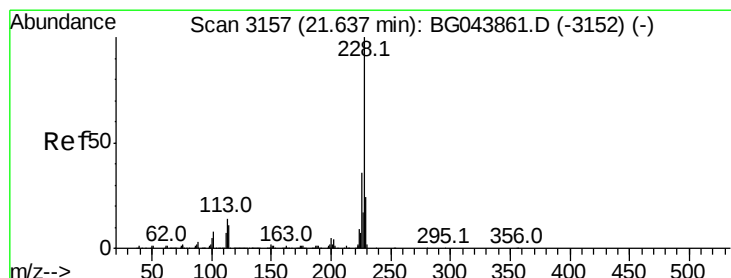
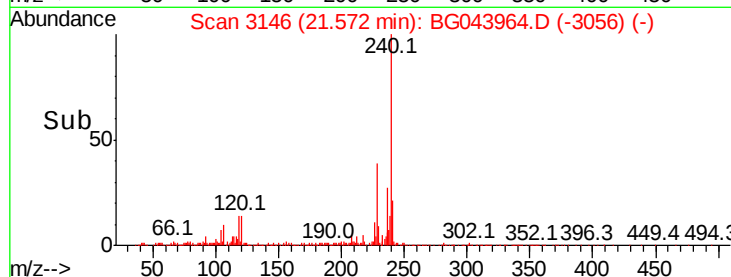
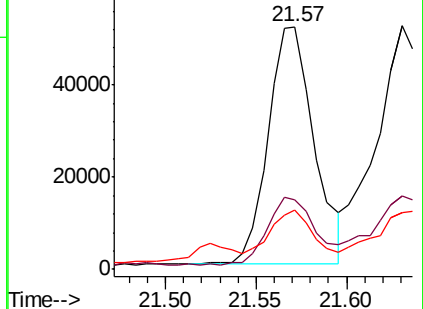
229 24.7 18.9 28.3



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: 2.607 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.01 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

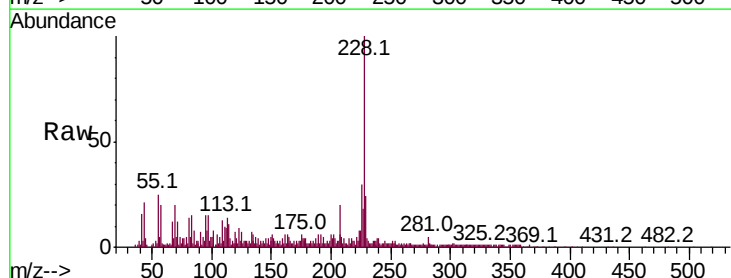
Tgt Ion:228 Resp: 99189

Ion Ratio Lower Upper

228 100

226 30.4 28.8 43.2

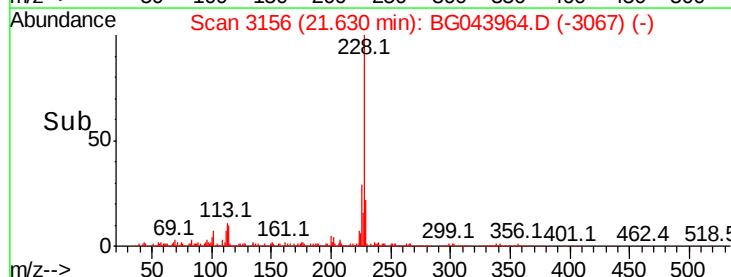
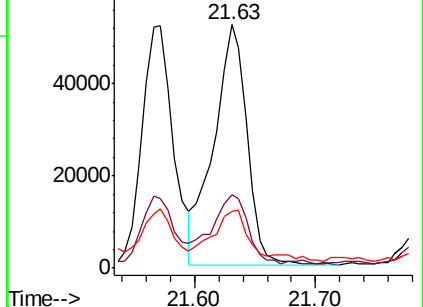
229 23.5 19.0 28.6

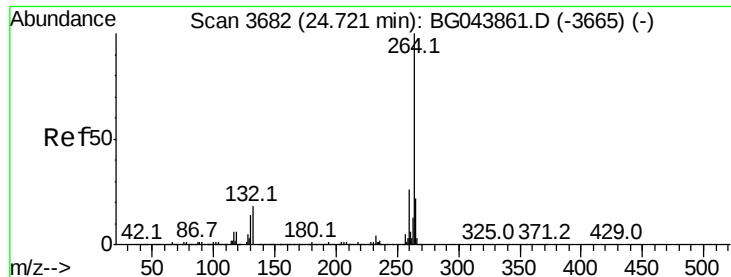


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.72 min Scan# 3682

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

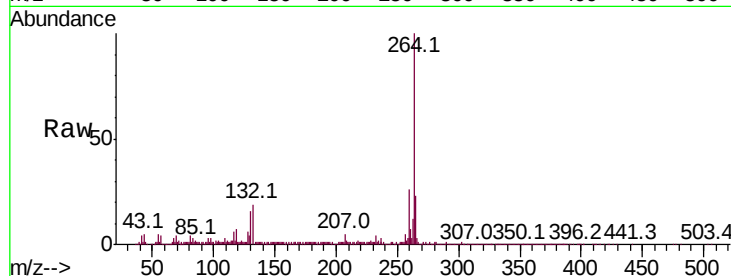
Tot Ion:264 Resp: 728735

Ion Ratio Lower Upper

264 100

260 25.6 20.4 30.6

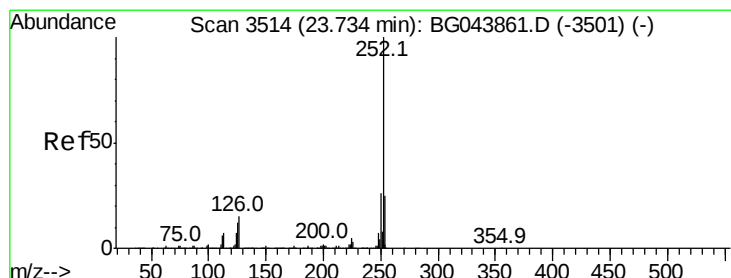
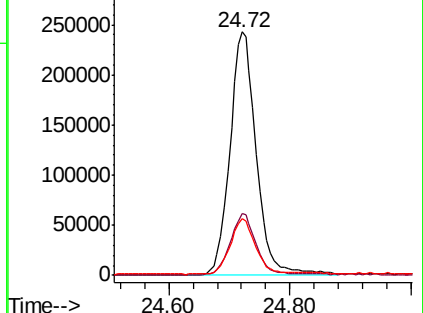
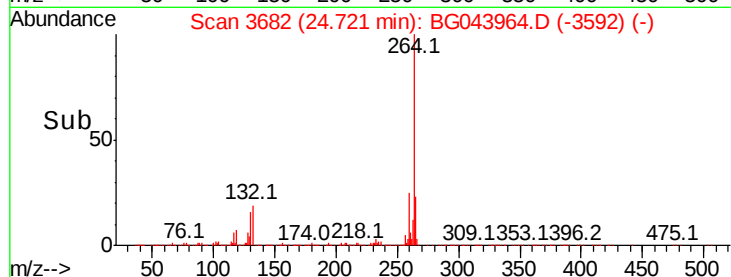
265 23.5 17.4 26.2



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: 3.108 ng

RT: 23.73 min Scan# 3514

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

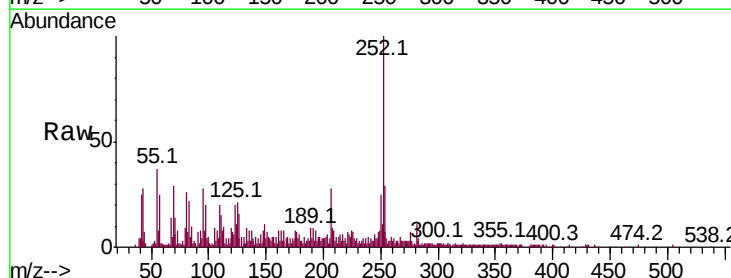
Tgt Ion:252 Resp: 133887

Ion Ratio Lower Upper

252 100

253 28.9 19.7 29.5

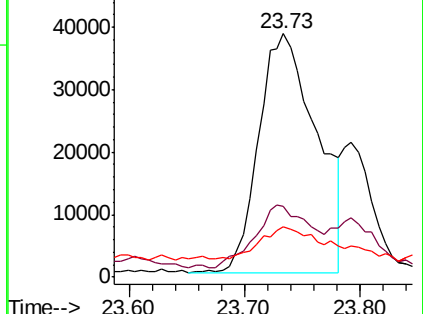
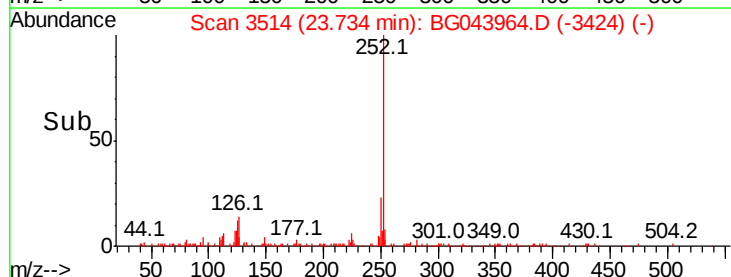
125 20.8 9.4 14.2#

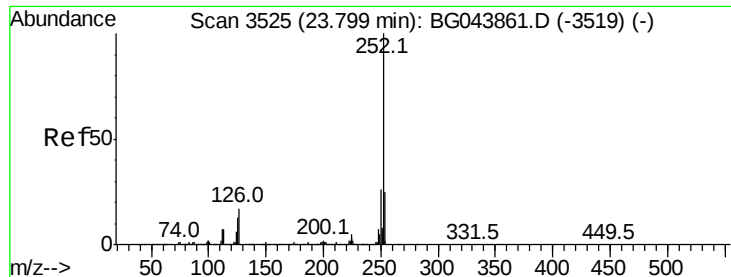


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.268 ng

RT: 23.73 min Scan# 3514

Delta R.T. -0.07 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

Instrument :

BNA_G

ClientSampleId :

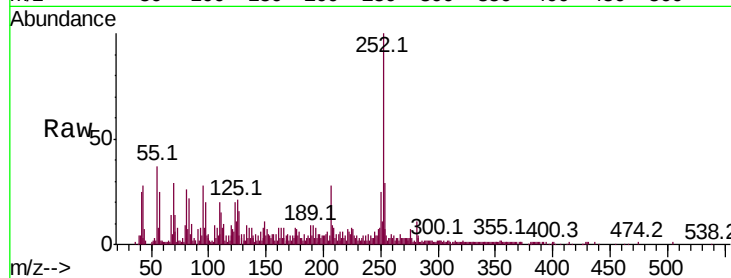
Tot Ion:252 Resp: 133887

Ion Ratio Lower Upper

252 100

253 28.9 19.4 29.2

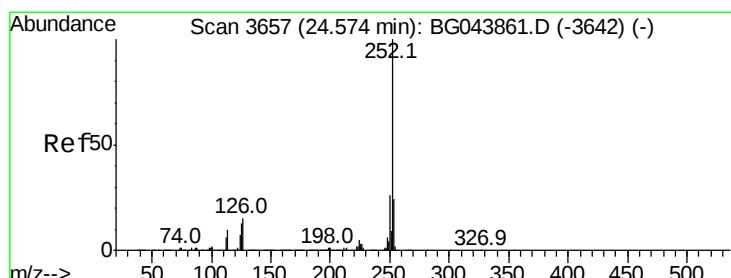
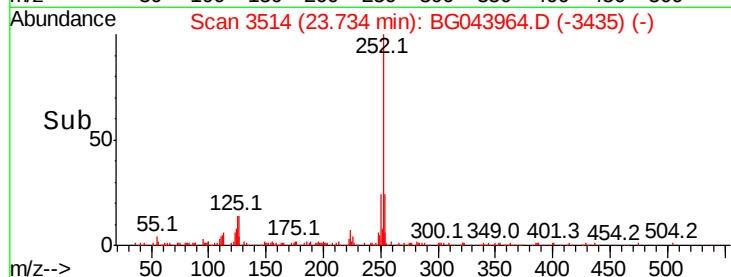
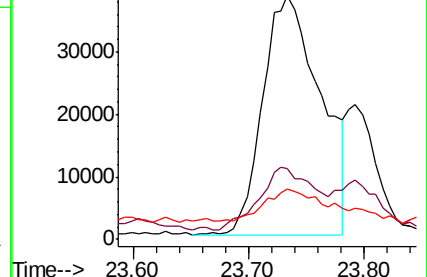
125 20.8 9.9 14.9#



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: 2.218 ng

RT: 24.57 min Scan# 3657

Delta R.T. -0.00 min

Lab File: BG043964.D

Acq: 7 Jan 2020 21:30

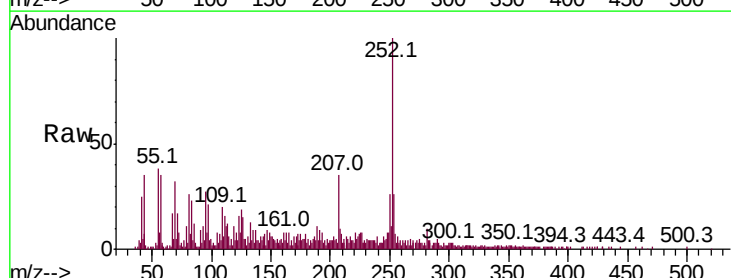
Tgt Ion:252 Resp: 90190

Ion Ratio Lower Upper

252 100

253 26.4 19.3 28.9

125 19.2 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

