

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG021820\
 Data File : BG044473.D
 Acq On : 18 Feb 2020 15:23
 Operator : CG/JU
 Sample : L1545-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 43ST-B

Quant Time: Feb 18 16:10:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 18 14:58:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	66072	20.00	ng	0.00
21) Naphthalene-d8	10.69	136	272324	20.00	ng	0.00
39) Acenaphthene-d10	14.53	164	186097	20.00	ng	0.00
64) Phenanthrene-d10	17.28	188	424036	20.00	ng	0.00
76) Chrysene-d12	21.52	240	397064	20.00	ng	0.00
87) Perylene-d12	24.60	264	426762	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	426621	113.95	ng	0.00
7) Phenol-d6	7.07	99	568039	112.99	ng	0.00
23) Nitrobenzene-d5	9.05	82	333501	69.14	ng	0.00
42) 2,4,6-Tribromophenol	16.02	330	241982	110.76	ng	0.00
45) 2-Fluorobiphenyl	13.15	172	762827	68.64	ng	0.00
79) Terphenyl-d14	19.89	244	1211705	62.77	ng	0.00

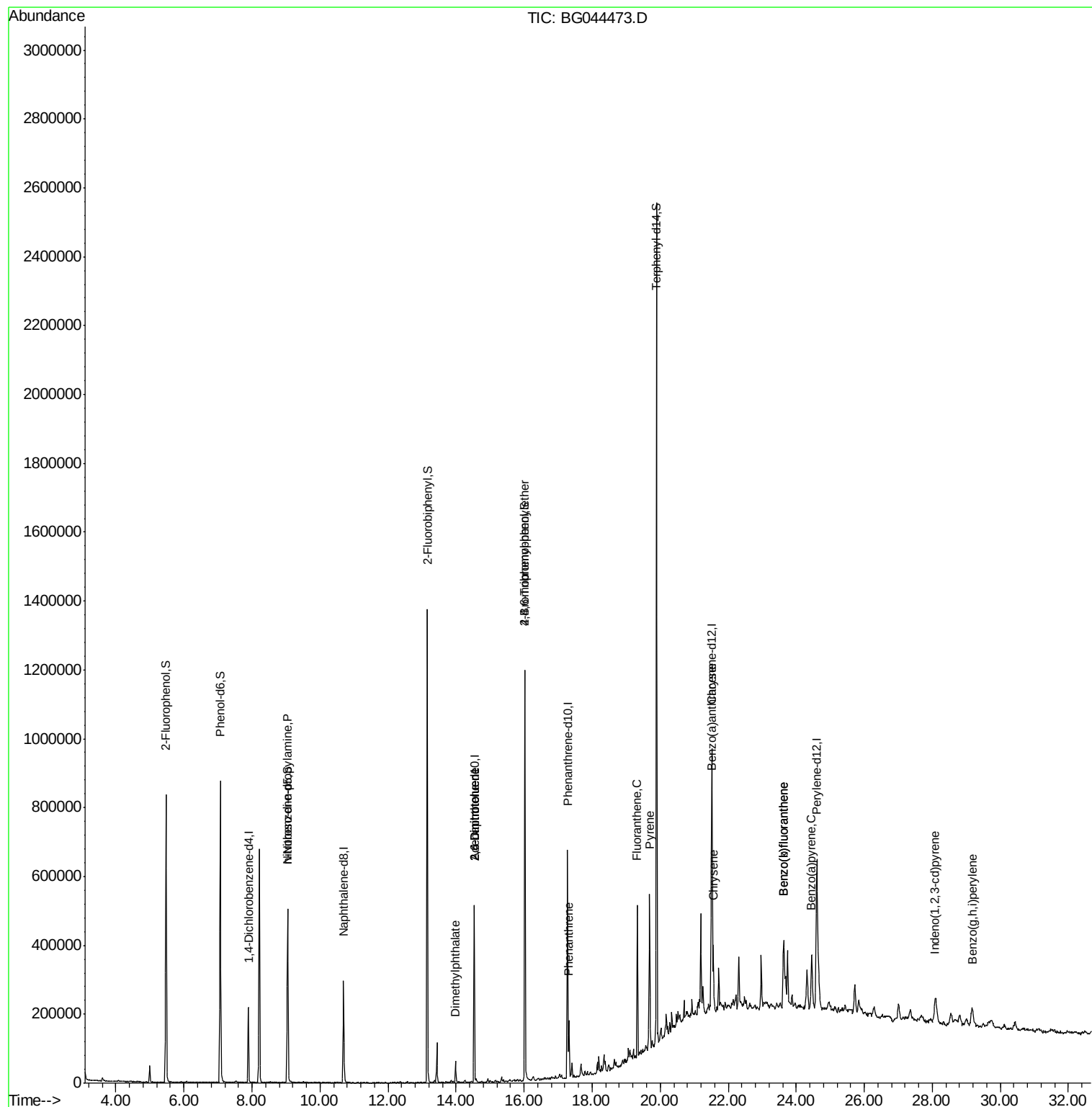
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.05	70	43350	12.938	ng	# 76
50) Dimethylphthalate	13.98	163	45987	3.438	ng	98
51) 2,6-Dinitrotoluene	14.53	165	23858	7.999	ng	# 31
57) 2,4-Dinitrotoluene	14.53	165	23858	5.707	ng	# 28
67) 4-Bromophenyl-phenylether	16.02	248	16995	3.679	ng	# 1
71) Phenanthrene	17.32	178	103486	5.040	ng	96
75) Fluoranthene	19.33	202	269920	11.364	ng	97
78) Pyrene	19.69	202	285415	11.193	ng	94
81) Benzo(a)anthracene	21.50	228	151659	6.197	ng	95
83) Chrysene	21.56	228	144270	6.099	ng	98
86) Indeno(1,2,3-cd)pyrene	28.08	276	119118	3.860	ng	94
88) Benzo(b)fluoranthene	23.63	252	234069	9.518	ng	99
89) Benzo(k)fluoranthene	23.63	252	234069	9.766	ng	99
90) Benzo(a)pyrene	24.46	252	167773	7.216	ng	95
92) Benzo(a,h,i)perylene	29.17	276	118387	5.139	ng	# 93

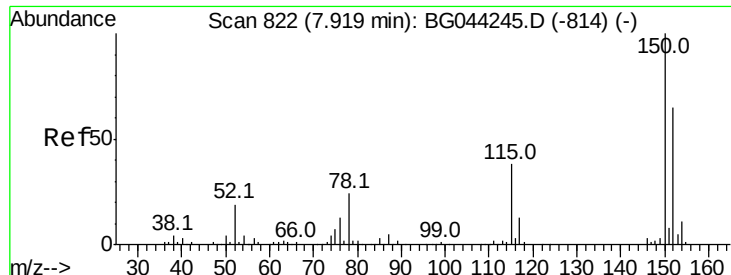
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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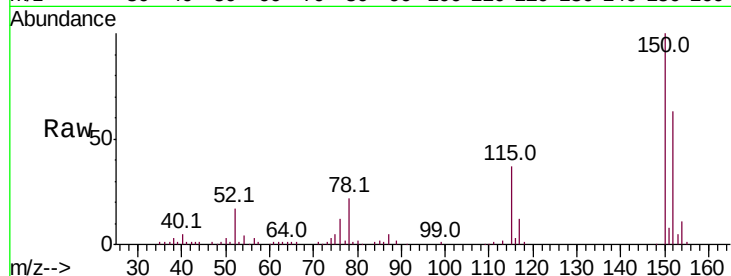


#1

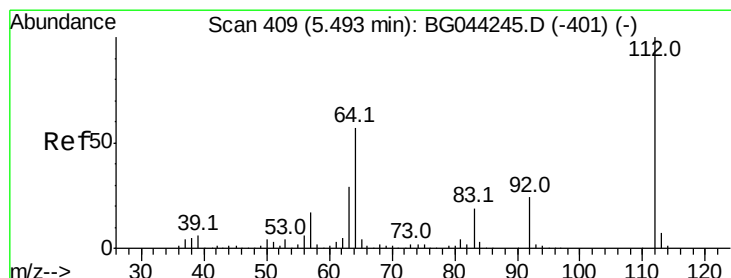
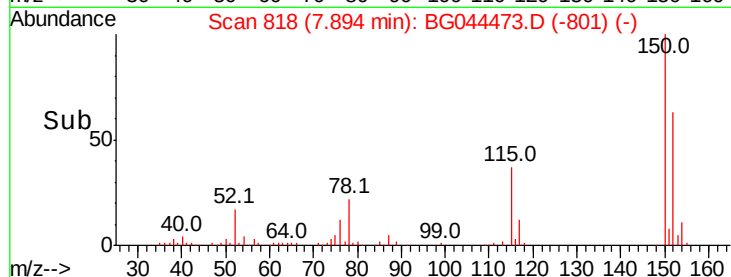
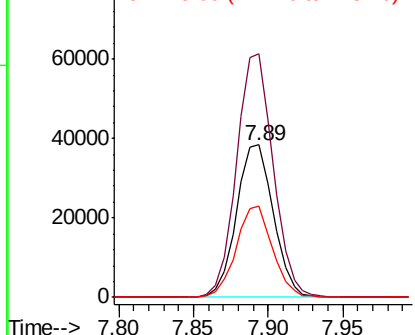
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.89 min Scan# 818
 Delta R.T. -0.00 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Instrument :
 BNA_G
 ClientSampleId :
 43ST-B

Tot Ion:152 Resp: 66072
 Ion Ratio Lower Upper
 152 100
 150 159.8 122.6 183.8
 115 59.8 46.0 69.0



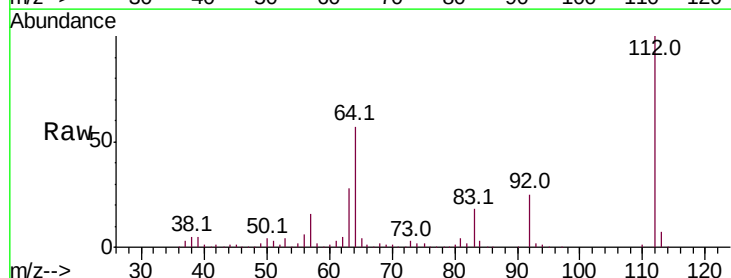
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



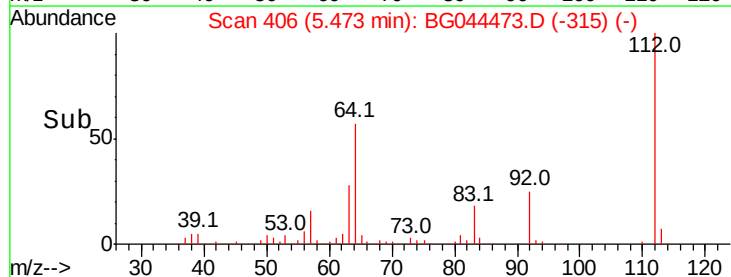
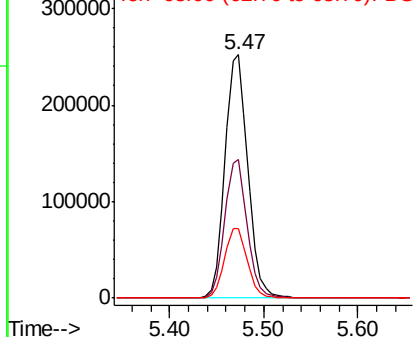
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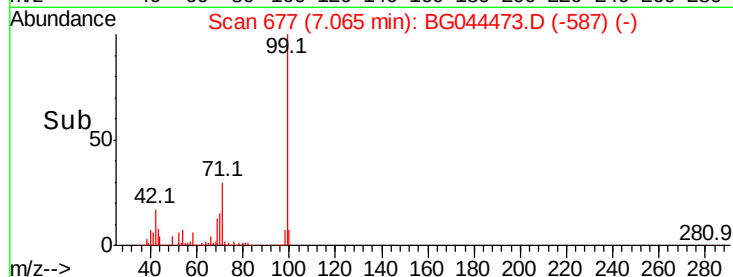
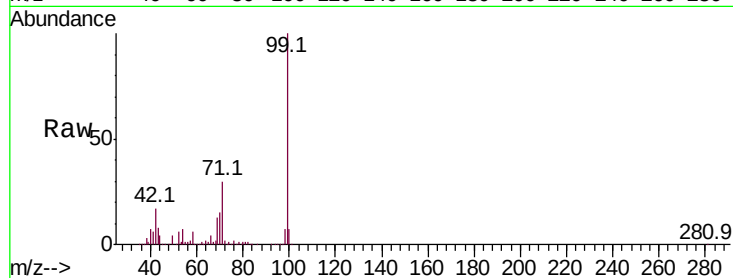
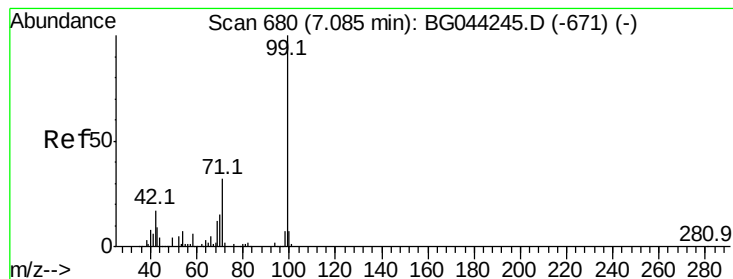
2-Fluorophenol
 Concen: 113.954 ng
 RT: 5.47 min Scan# 406
 Delta R.T. 0.01 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Tgt Ion:112 Resp: 426621
 Ion Ratio Lower Upper
 112 100
 64 56.8 45.4 68.2
 63 28.3 22.9 34.3



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: 112.990 ng

RT: 7.07 min Scan# 677

Delta R.T. -0.00 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Instrument :

BNA_G

ClientSampleId :

43ST-B

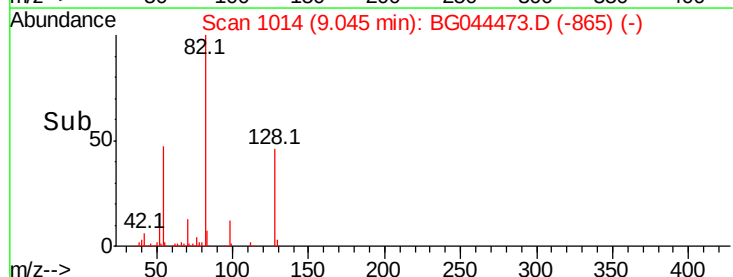
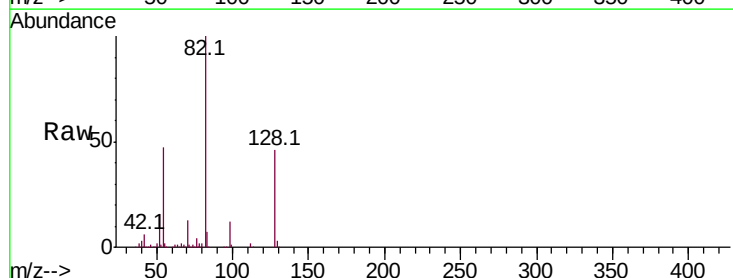
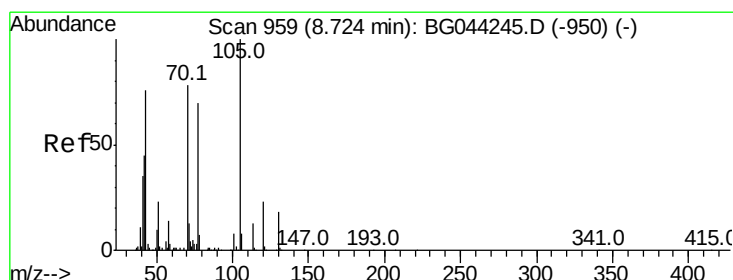
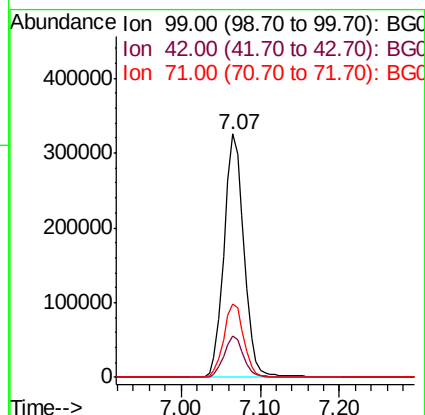
Tot Ion: 99 Resp: 568039

Ion Ratio Lower Upper

99 100

42 16.9 13.8 20.6

71 30.3 25.5 38.3



#19

n-Nitroso-di-n-propylamine

Concen: 12.938 ng

RT: 9.05 min Scan# 1014

Delta R.T. 0.35 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Tgt Ion: 70 Resp: 43350

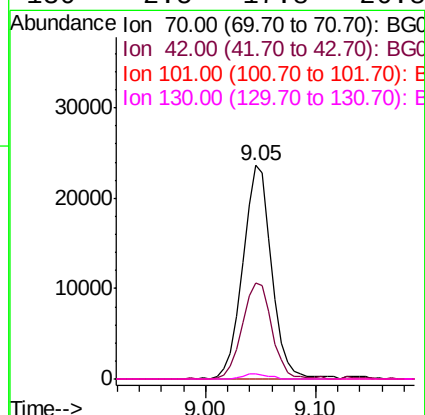
Ion Ratio Lower Upper

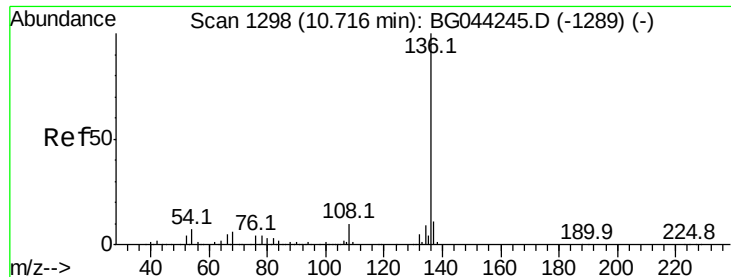
70 100

42 45.1 46.2 69.2#

101 0.0 8.4 12.6#

130 2.5 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.69 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Instrument :

BNA_G

ClientSampleId :

43ST-B

Tot Ion:136 Resp: 272324

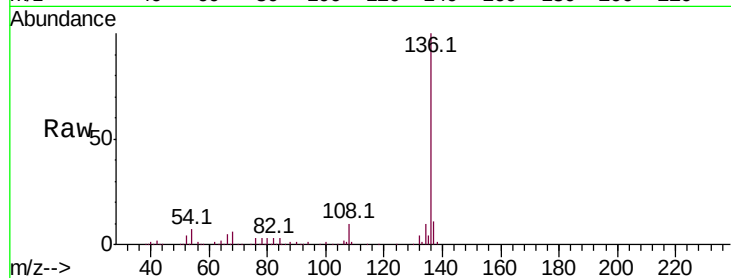
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 7.4 5.8 8.8

68 5.7 4.6 6.8

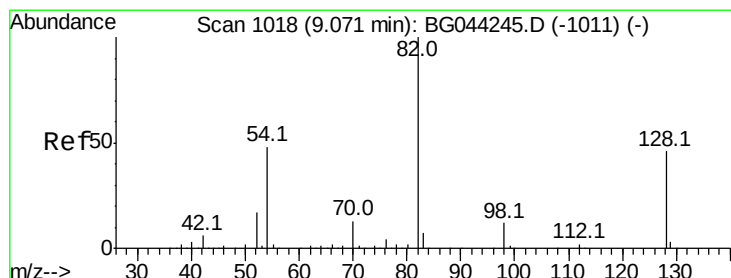
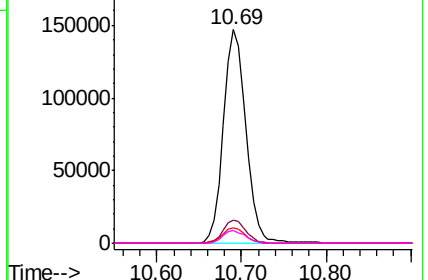
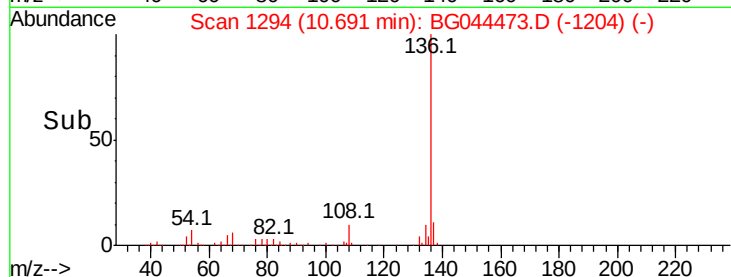


Abundance Ion 136.00 (135.70 to 136.70): E

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: 69.139 ng

RT: 9.05 min Scan# 1014

Delta R.T. -0.00 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

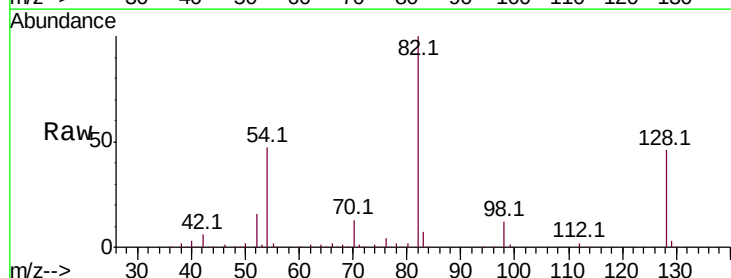
Tgt Ion: 82 Resp: 333501

Ion Ratio Lower Upper

82 100

128 45.9 36.5 54.7

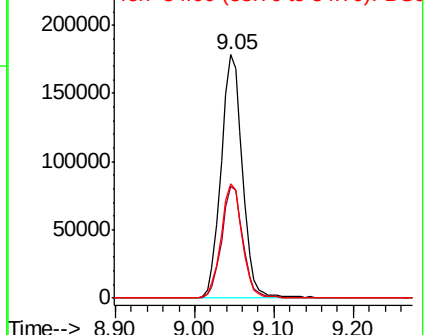
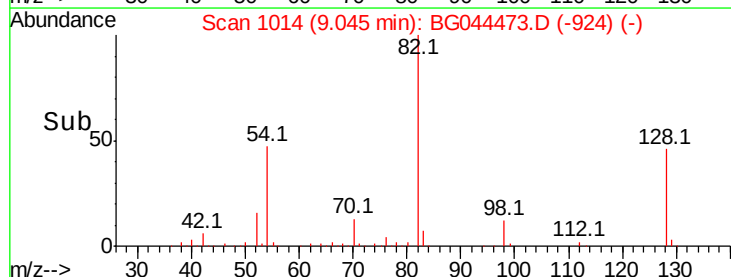
54 46.8 38.6 58.0

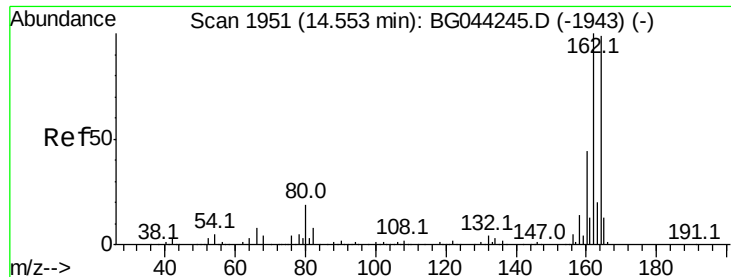


Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

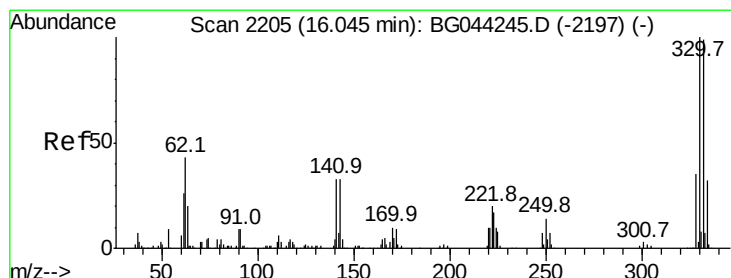
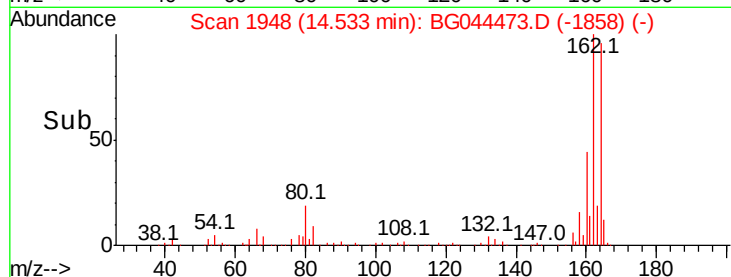
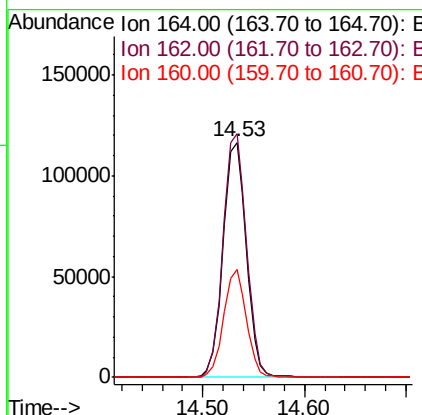
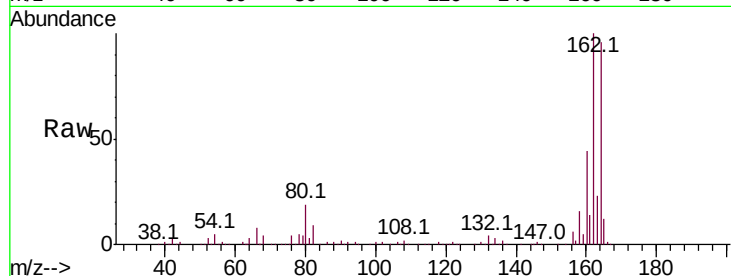




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.53 min Scan# 1948
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

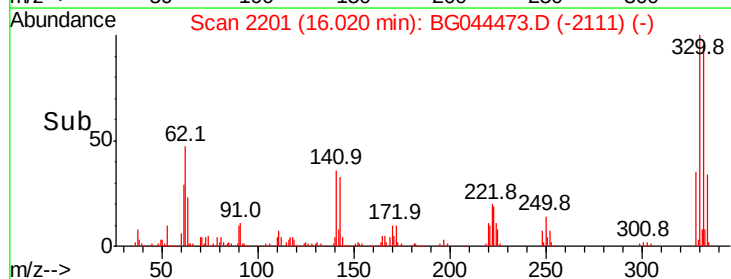
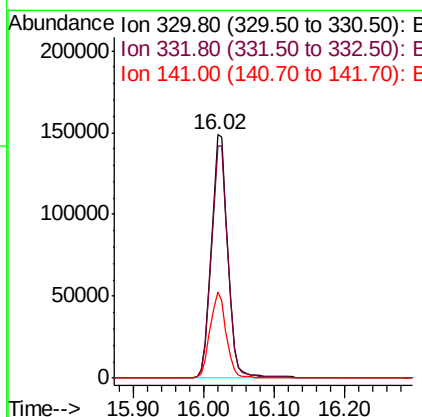
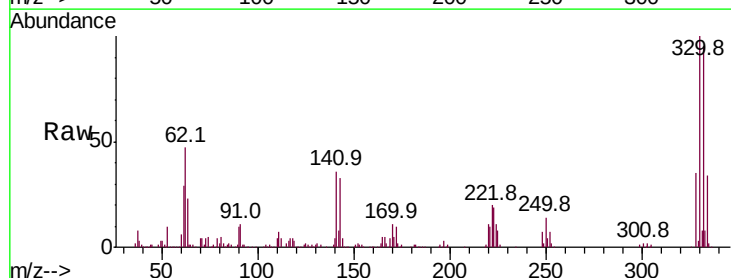
Instrument :
BNA_G
ClientSampleId :
43ST-B

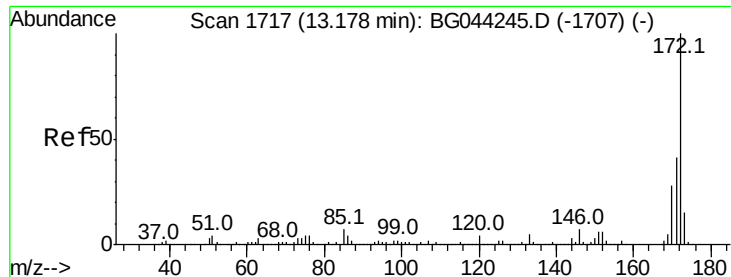
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.7	80.7	121.1
160	45.8	35.3	52.9



#42
2,4,6-Tribromophenol
Concen: 110.764 ng
RT: 16.02 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.2	115.8
141	34.9	28.3	42.5

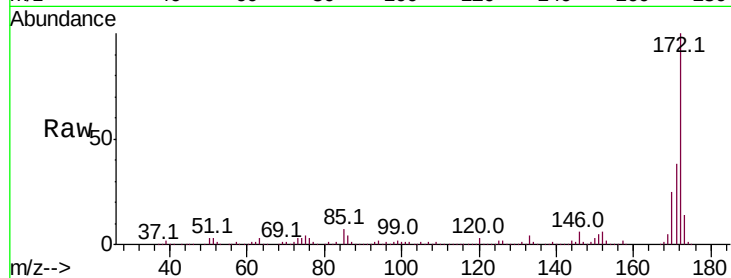




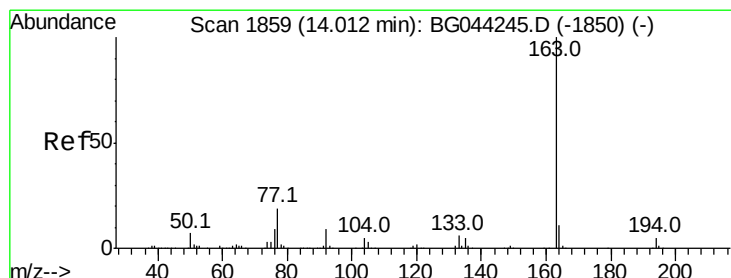
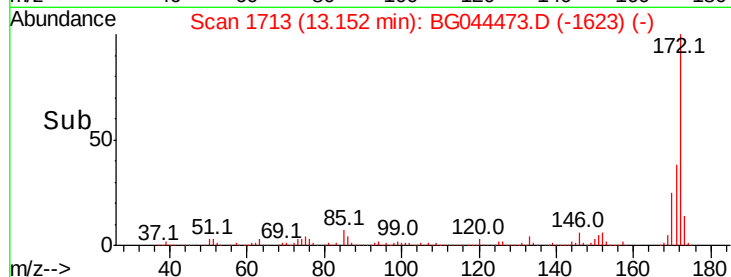
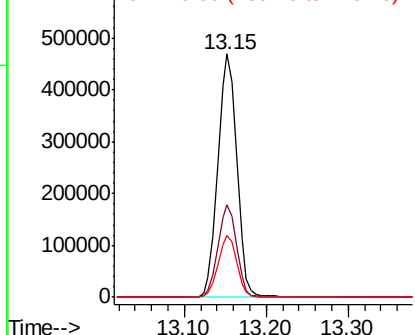
#45
2-Fluorobiphenyl
Concen: 68.641 ng
RT: 13.15 min Scan# 1713
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampleId :
43ST-B

Tot Ion:172 Resp: 762827
Ion Ratio Lower Upper
172 100
171 37.9 32.9 49.3
170 25.2 22.0 33.0

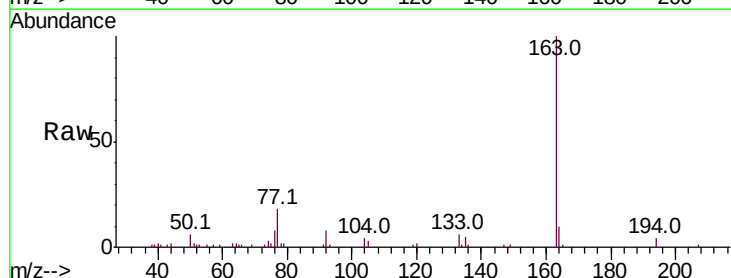


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

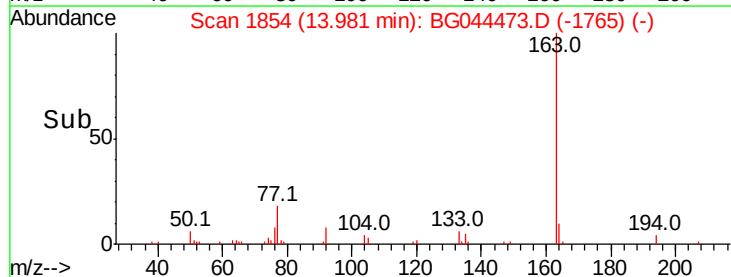
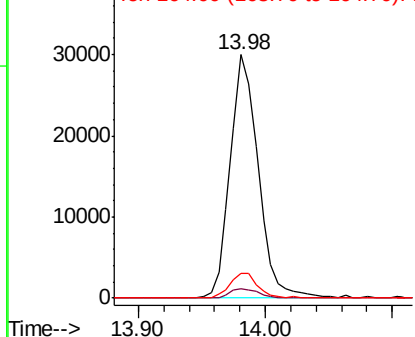


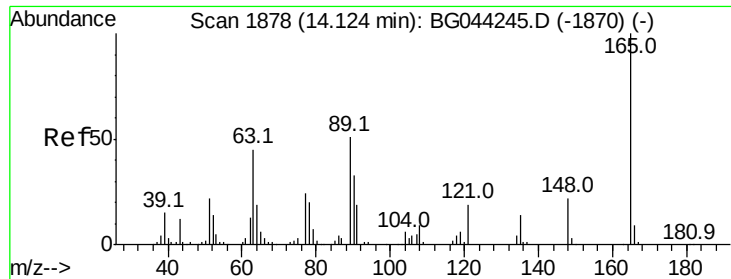
#50
Dimethylphthalate
Concen: 3.438 ng
RT: 13.98 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion:163 Resp: 45987
Ion Ratio Lower Upper
163 100
194 3.8 3.6 5.4
164 10.3 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

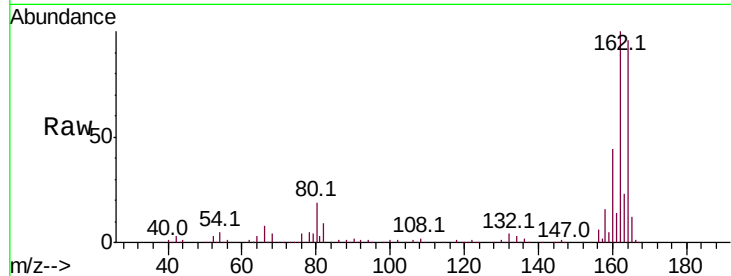




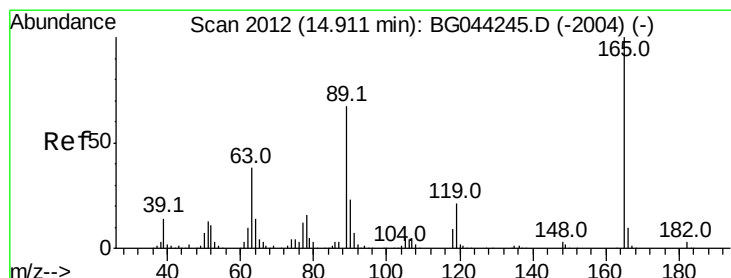
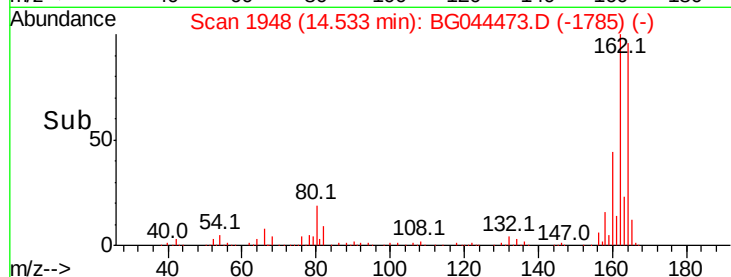
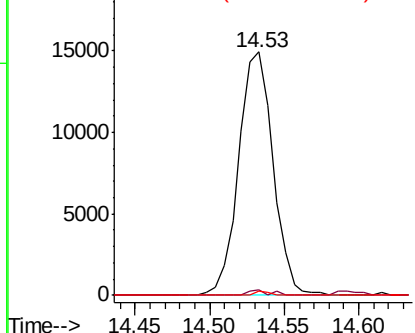
#51
 2,6-Dinitrotoluene
 Concen: 7.999 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. 0.43 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Instrument :
 BNA_G
 ClientSampleId :
 43ST-B

Tot Ion	Ratio	Lower	Upper
165	100		
63	2.1	38.7	58.1#
89	1.8	40.4	60.6#

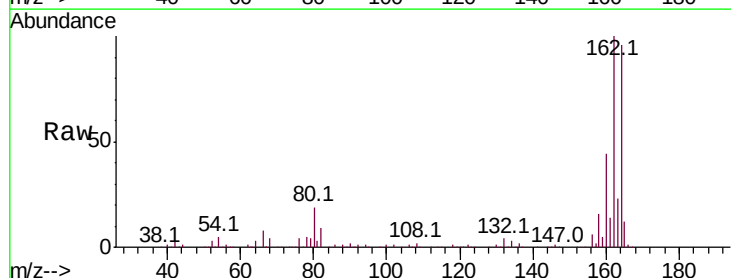


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

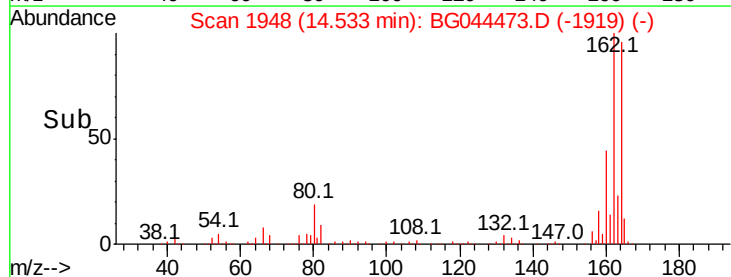
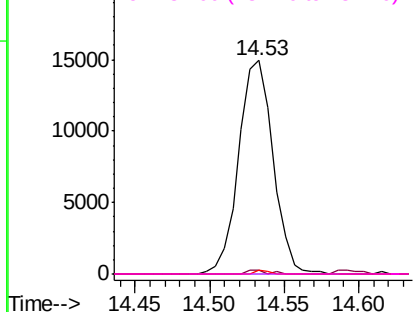


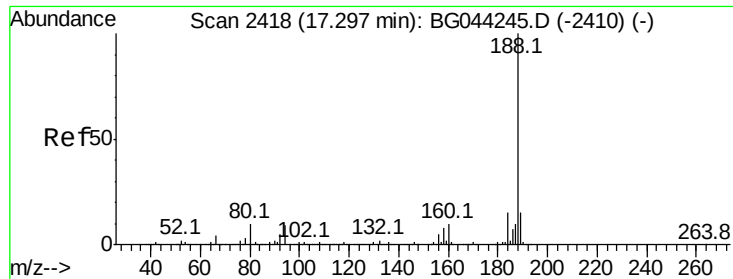
#57
 2,4-Dinitrotoluene
 Concen: 5.707 ng
 RT: 14.53 min Scan# 1948
 Delta R.T. -0.36 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.1	30.3	45.5#
89	1.8	53.4	80.2#
182	0.0	2.1	3.1#



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: 17.28 min Scan# 2415

Delta R.T. -0.00 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Instrument :

BNA_G

ClientSampled :

43ST-B

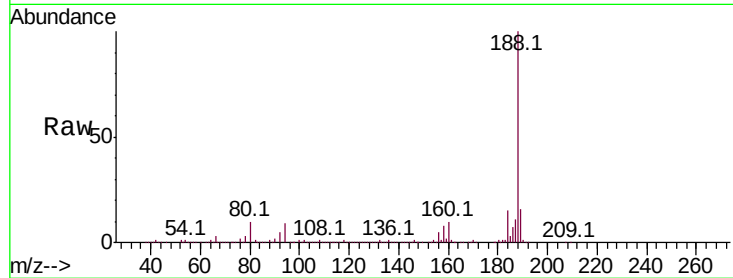
Tot Ion:188 Resp: 424036

Ion Ratio Lower Upper

188 100

94 8.6 7.4 11.2

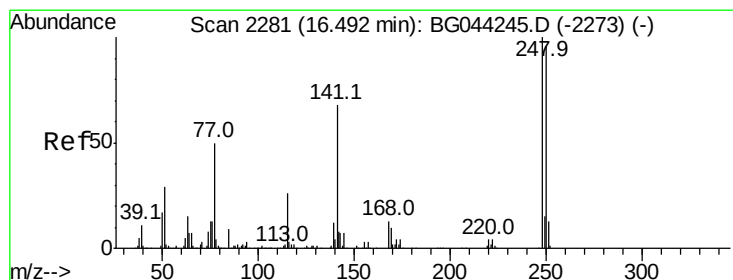
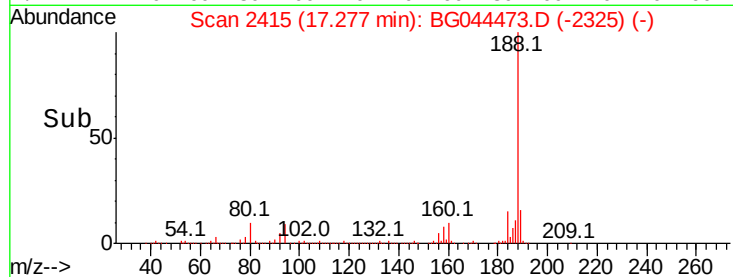
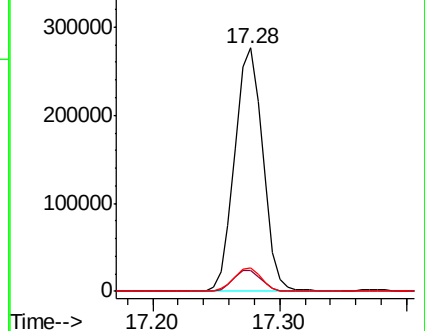
80 9.7 7.7 11.5



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: 3.679 ng

RT: 16.02 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

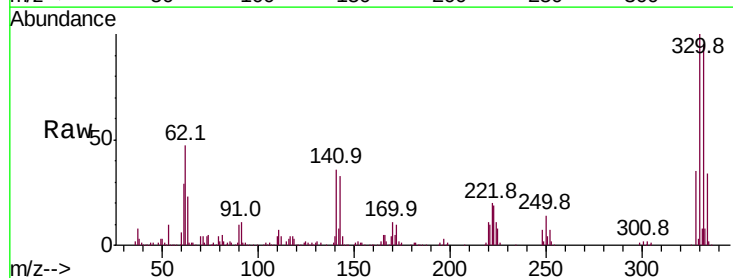
Tgt Ion:248 Resp: 16995

Ion Ratio Lower Upper

248 100

250 184.5 76.6 114.8#

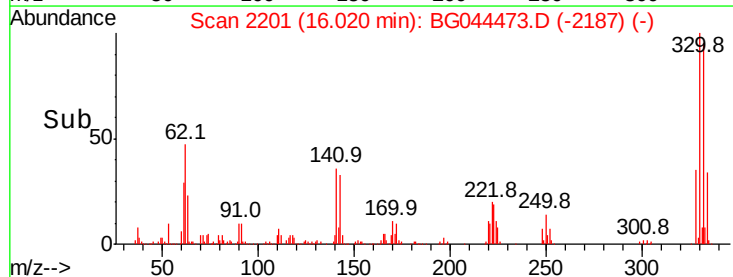
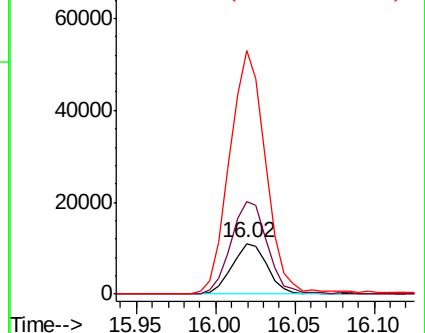
141 482.4 54.7 82.1#

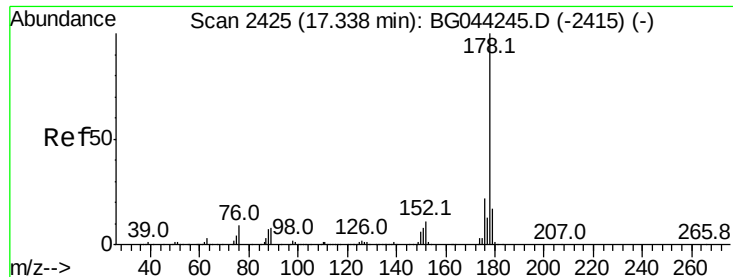


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

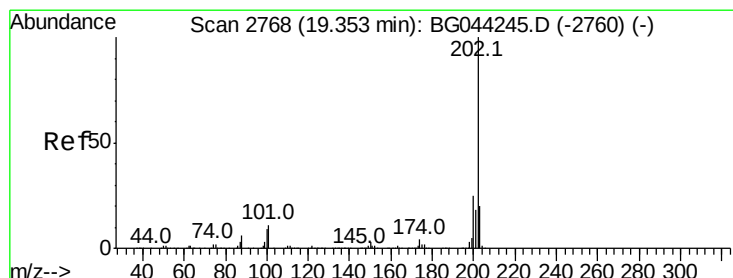
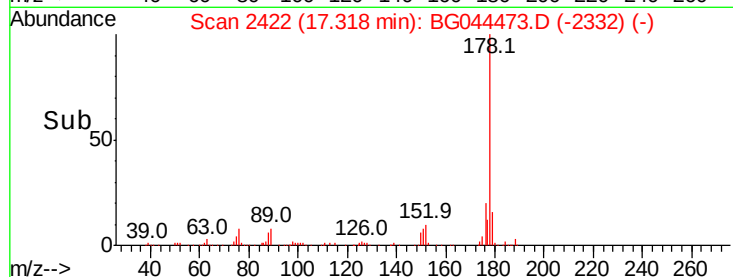
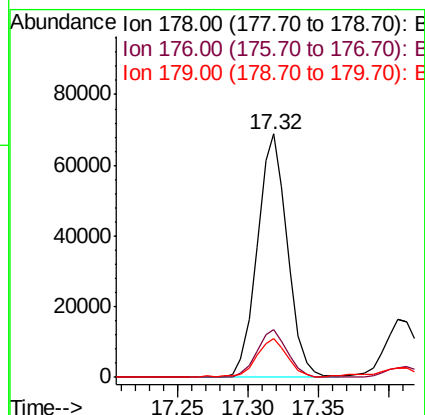
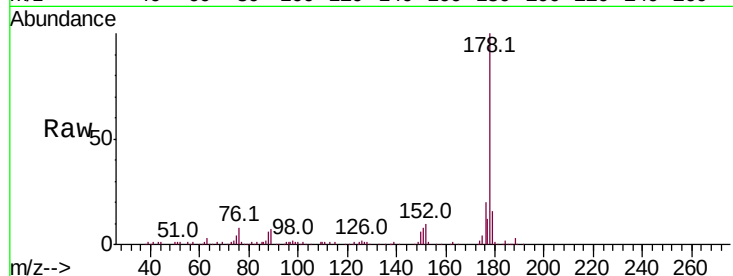




#71
Phenanthrene
Concen: 5.040 ng
RT: 17.32 min Scan# 2422
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

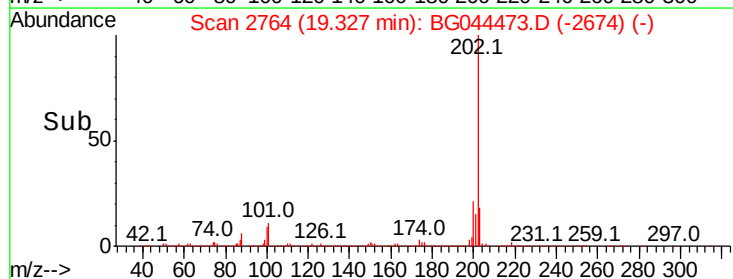
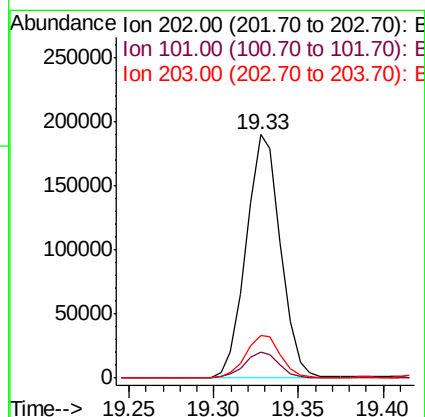
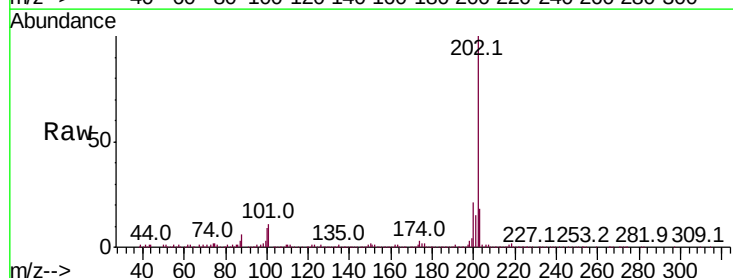
Instrument :
BNA_G
ClientSampleId :
43ST-B

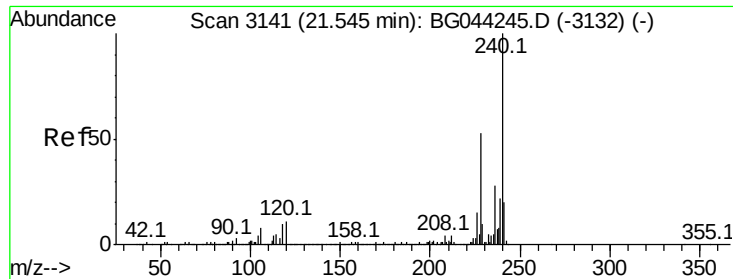
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	17.7	26.5
179	15.8	13.7	20.5



#75
Fluoranthene
Concen: 11.364 ng
RT: 19.33 min Scan# 2764
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.3
203	17.8	0.0	39.9

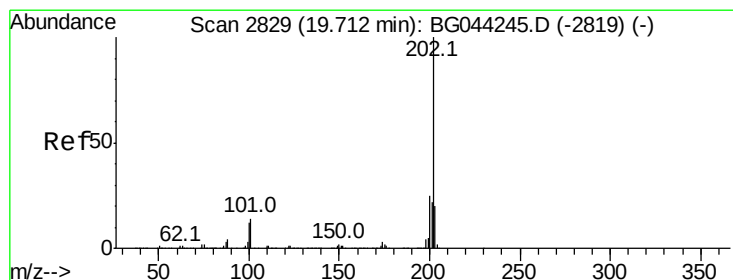
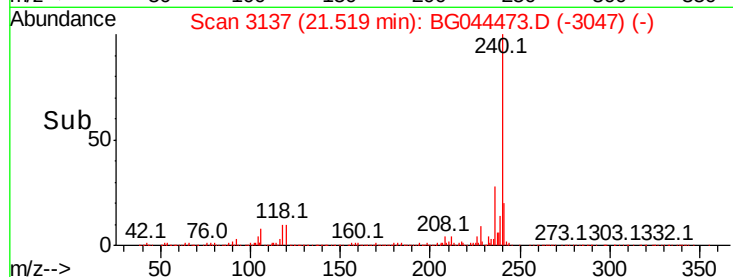
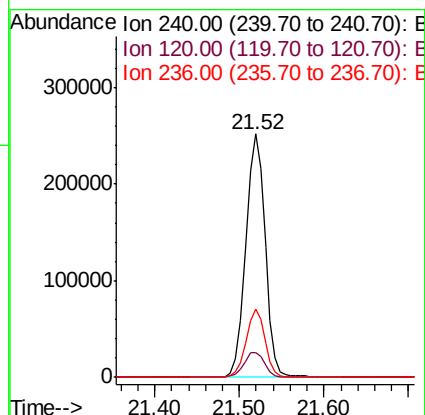
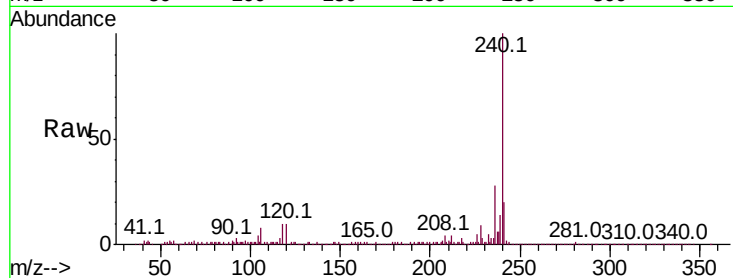




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.52 min Scan# 3137
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

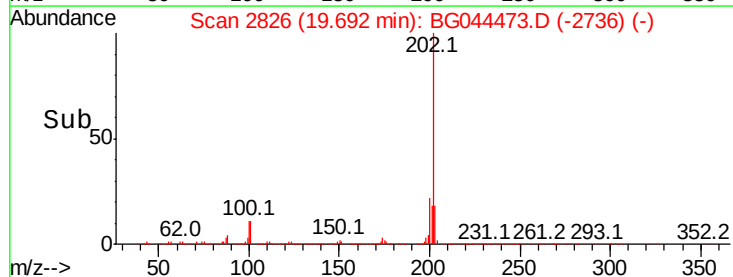
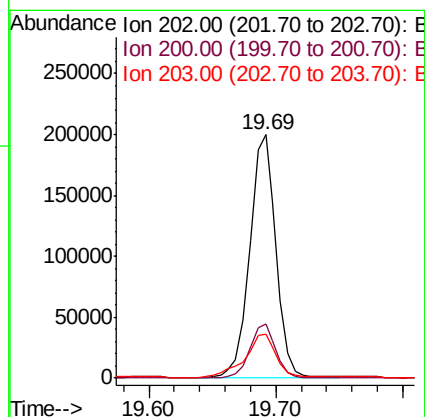
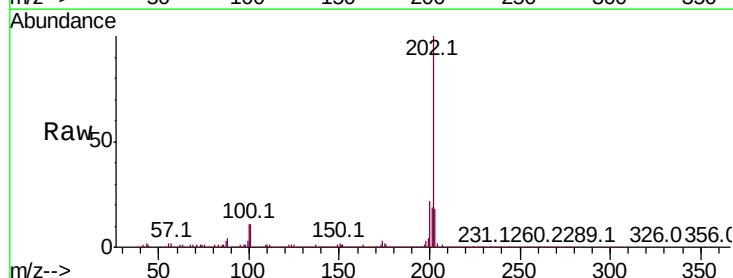
Instrument :
BNA_G
ClientSampleId :
43ST-B

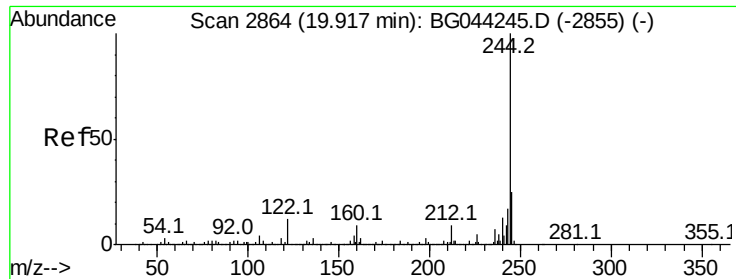
Tot Ion	Ratio	Lower	Upper
240	100		
120	10.4	8.4	12.6
236	28.1	22.1	33.1



#78
Pyrene
Concen: 11.193 ng
RT: 19.69 min Scan# 2826
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	20.0	30.0
203	17.8	16.2	24.2



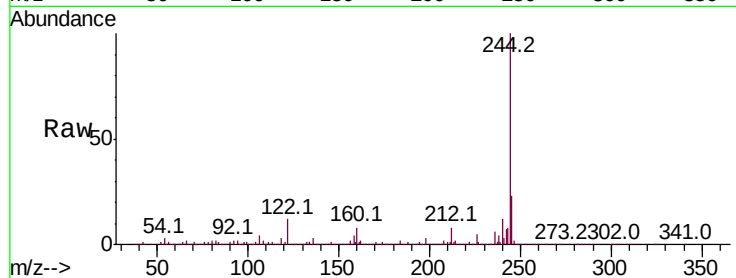


#79
 Terphenyl-d14
 Concen: 62.769 ng
 RT: 19.89 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

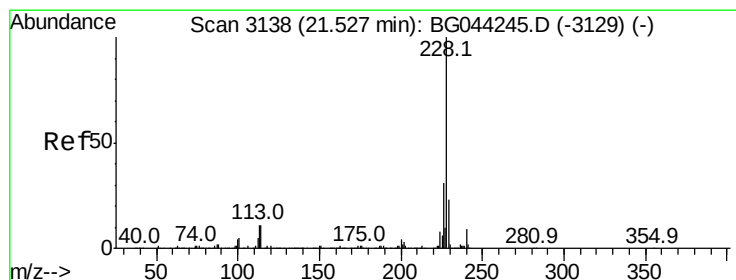
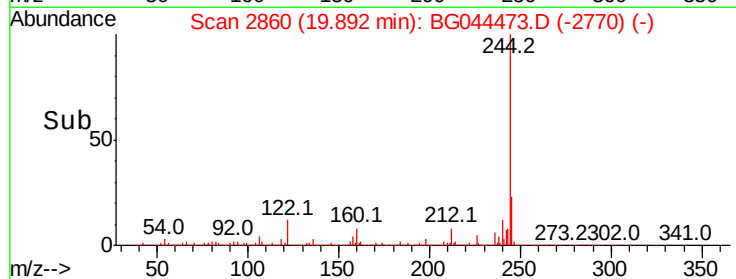
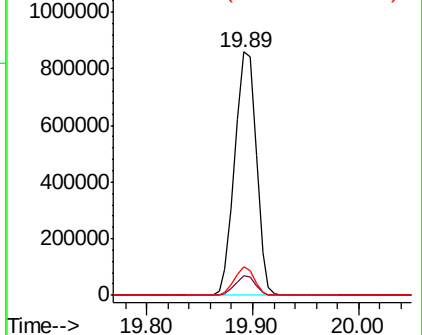
Instrument :
 BNA_G
 ClientSampled :
 43ST-B

Tot Ion:244 Resp: 1211705

Ion	Ratio	Lower	Upper
244	100		
212	8.2	7.4	11.2
122	11.7	9.8	14.6



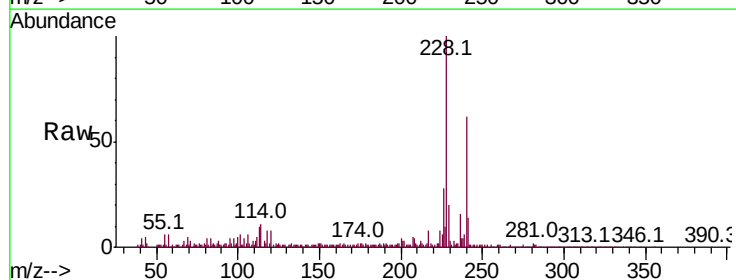
Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



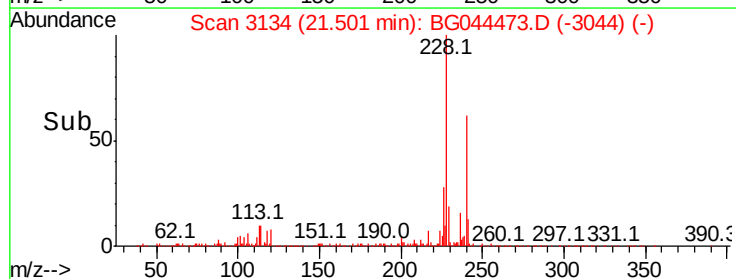
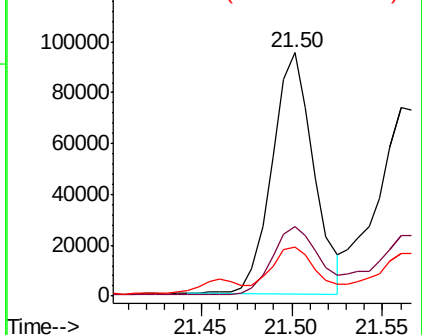
#81
 Benzo(a)anthracene
 Concen: 6.197 ng
 RT: 21.50 min Scan# 3134
 Delta R.T. -0.00 min
 Lab File: BG044473.D
 Acq: 18 Feb 2020 15:23

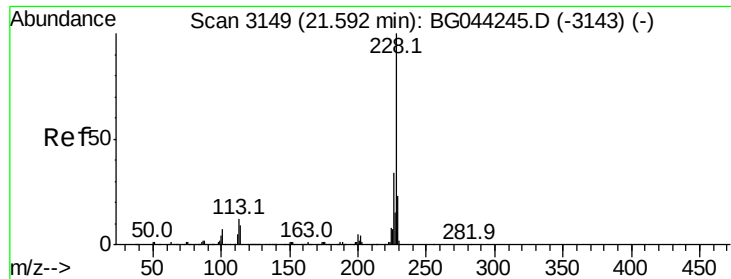
Tgt Ion:228 Resp: 151659

Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.7	37.1
229	20.0	18.2	27.4



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

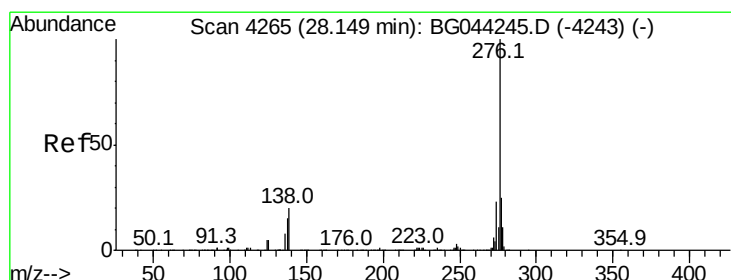
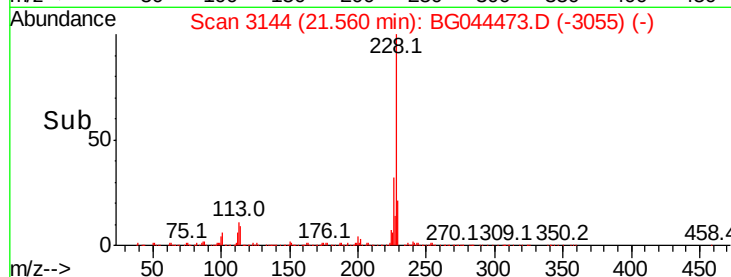
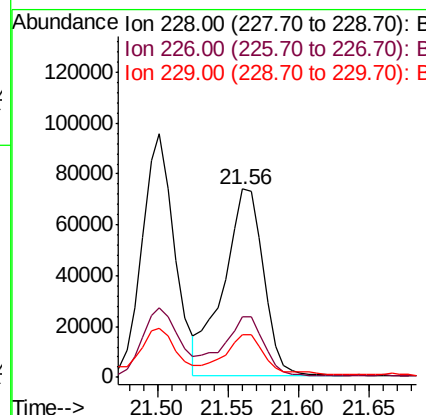
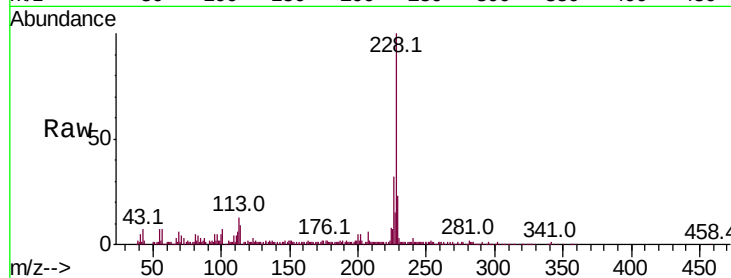




#83
Chrysene
Concen: 6.099 ng
RT: 21.56 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

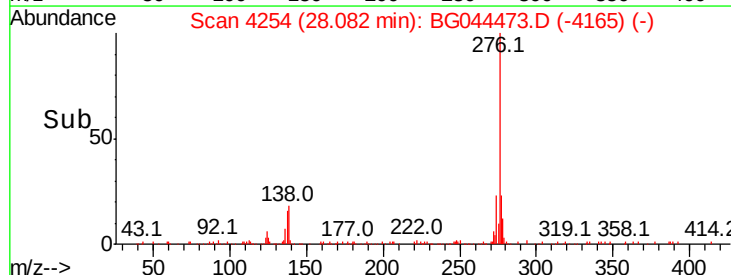
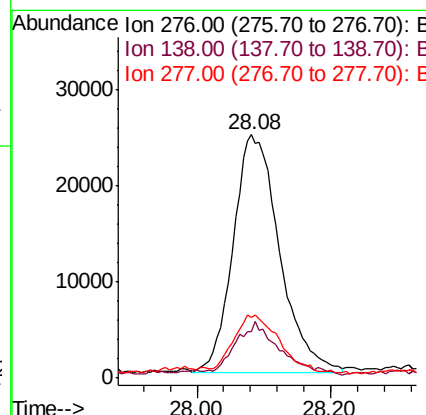
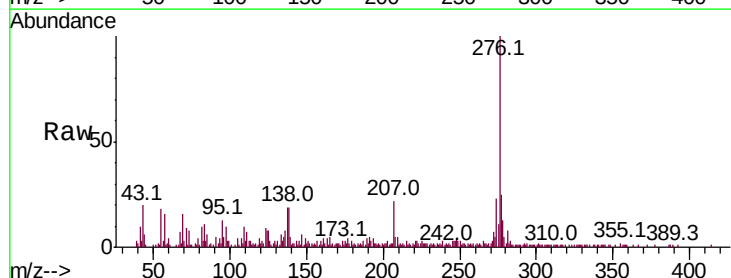
Instrument :
BNA_G
ClientSampleId :
43ST-B

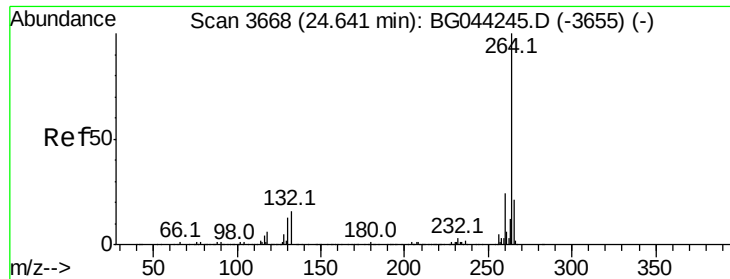
Tot Ion:228 Resp: 144270
Ion Ratio Lower Upper
228 100
226 32.5 27.1 40.7
229 22.8 17.9 26.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.860 ng
RT: 28.08 min Scan# 4254
Delta R.T. -0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion:276 Resp: 119118
Ion Ratio Lower Upper
276 100
138 21.1 19.4 29.0
277 23.0 21.0 31.6

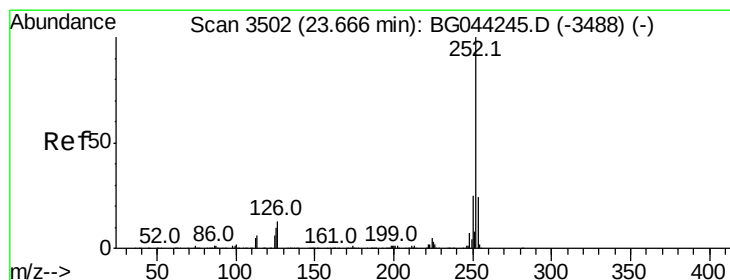
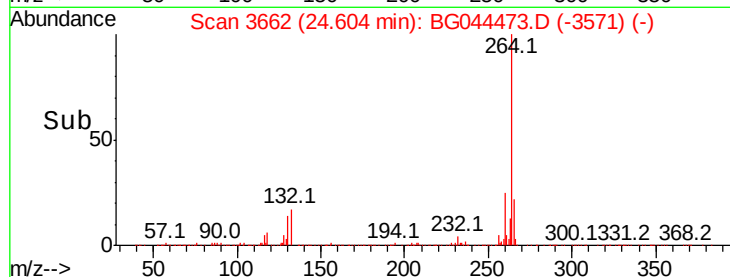
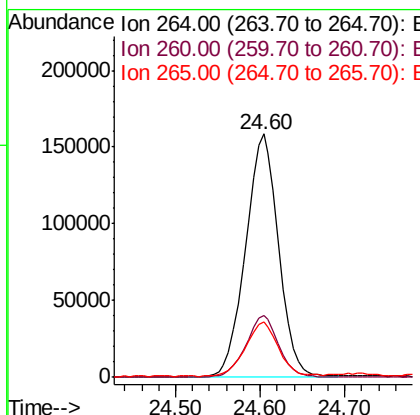
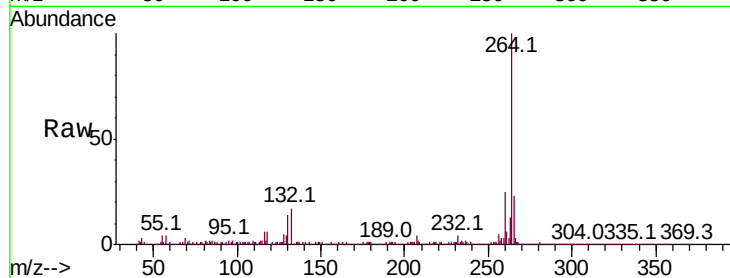




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.60 min Scan# 3662
Delta R.T. 0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

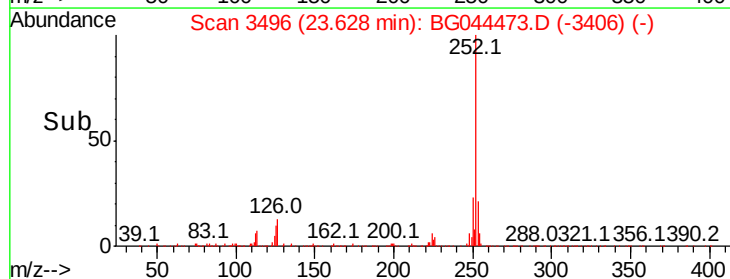
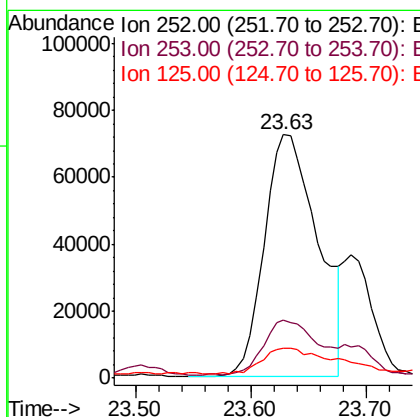
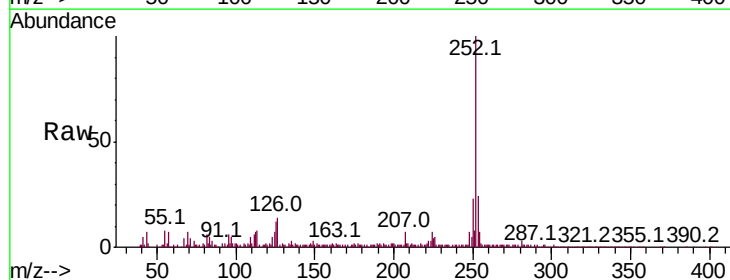
Instrument :
BNA_G
ClientSampleId :
43ST-B

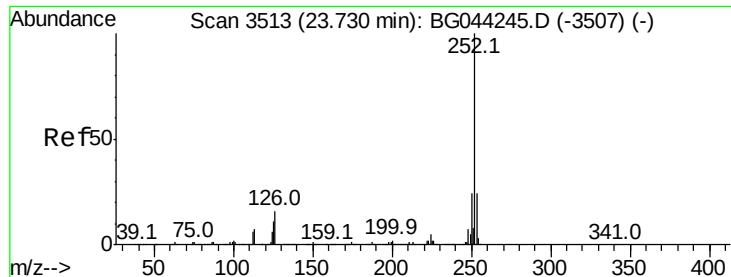
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.4	29.2
265	22.8	16.7	25.1



#88
Benzo(b)fluoranthene
Concen: 9.518 ng
RT: 23.63 min Scan# 3496
Delta R.T. -0.00 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.2	28.8
125	12.1	8.4	12.6

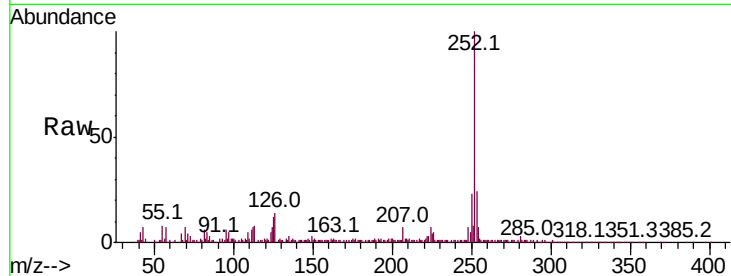




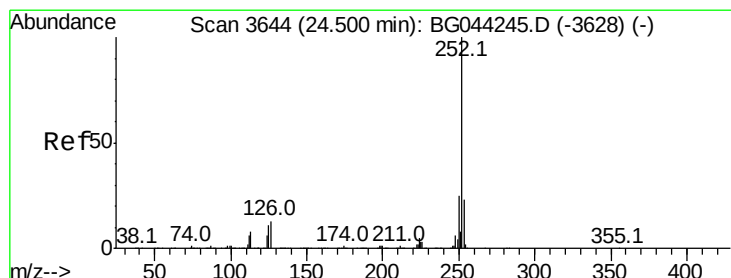
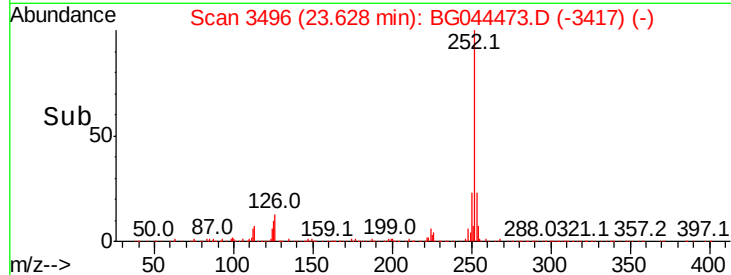
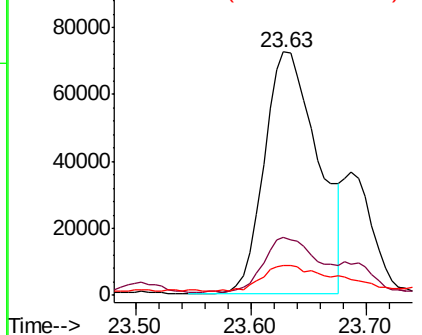
#89
Benzo(k)fluoranthene
Concen: 9.766 ng
RT: 23.63 min Scan# 3496
Delta R.T. -0.06 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Instrument :
BNA_G
ClientSampleId :
43ST-B

Tot	Ion:252	Resp:	234069
Ion	Ratio	Lower	Upper
252	100		
253	23.9	19.1	28.7
125	12.1	8.6	12.8

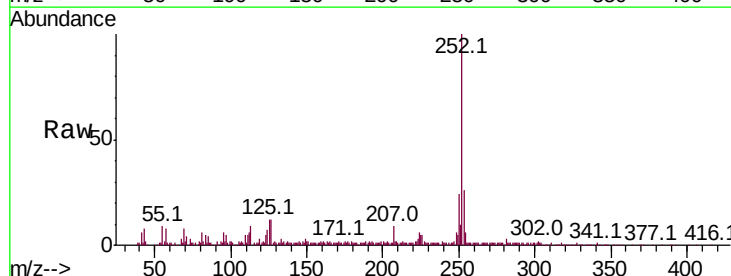


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

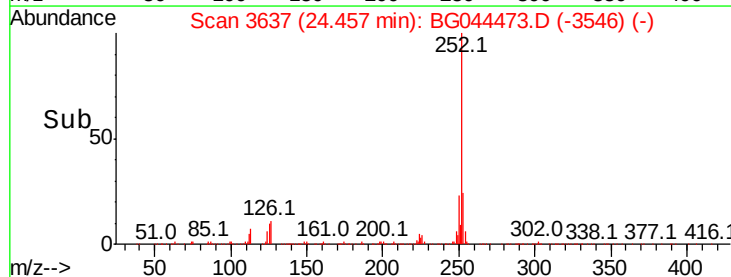
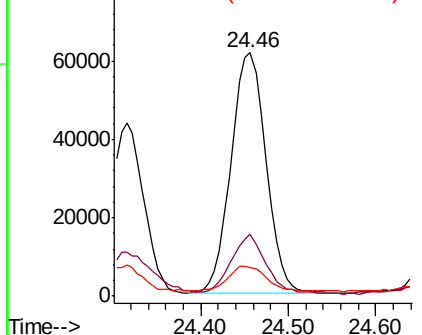


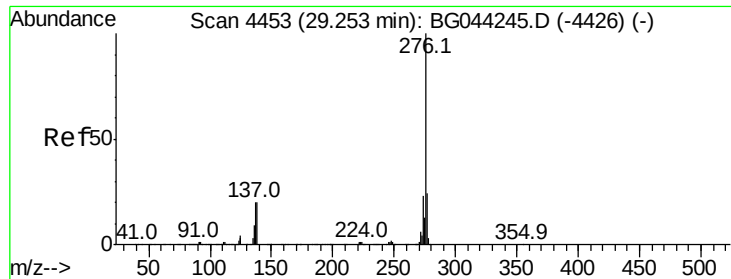
#90
Benzo(a)pyrene
Concen: 7.216 ng
RT: 24.46 min Scan# 3637
Delta R.T. 0.01 min
Lab File: BG044473.D
Acq: 18 Feb 2020 15:23

Tgt	Ion:252	Resp:	167773
Ion	Ratio	Lower	Upper
252	100		
253	25.6	18.1	27.1
125	11.9	8.6	13.0



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: 5.139 ng

RT: 29.17 min Scan# 4440

Delta R.T. -0.00 min

Lab File: BG044473.D

Acq: 18 Feb 2020 15:23

Instrument :

BNA_G

ClientSampleId :

43ST-B

Tot Ion:276 Resp: 118387

Ion Ratio Lower Upper

276 100

277 26.2 18.8 28.2

138 24.4 16.2 24.2#

