

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG083120\
 Data File : BG046480.D
 Acq On : 31 Aug 2020 22:33
 Operator : CG/JU
 Sample : L3847-25
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LINDEN-JOP-BH-12-A

Quant Time: Sep 01 00:47:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 31 16:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	88253	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	379962	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	251128	20.00	ng	0.00
64) Phenanthrene-d10	17.31	188	533471	20.00	ng	0.00
76) Chrysene-d12	21.55	240	496775	20.00	ng	0.00
86) Perylene-d12	24.66	264	520228	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	518900	104.14	ng	0.00
7) Phenol-d6	7.11	99	718011	101.65	ng	0.00
23) Nitrobenzene-d5	9.09	82	483343	72.71	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	306401	90.05	ng	0.00
45) 2-Fluorobiphenyl	13.19	172	1245768	75.73	ng	0.00
79) Terphenyl-d14	19.92	244	1517299	65.00	ng	0.00

Target Compounds

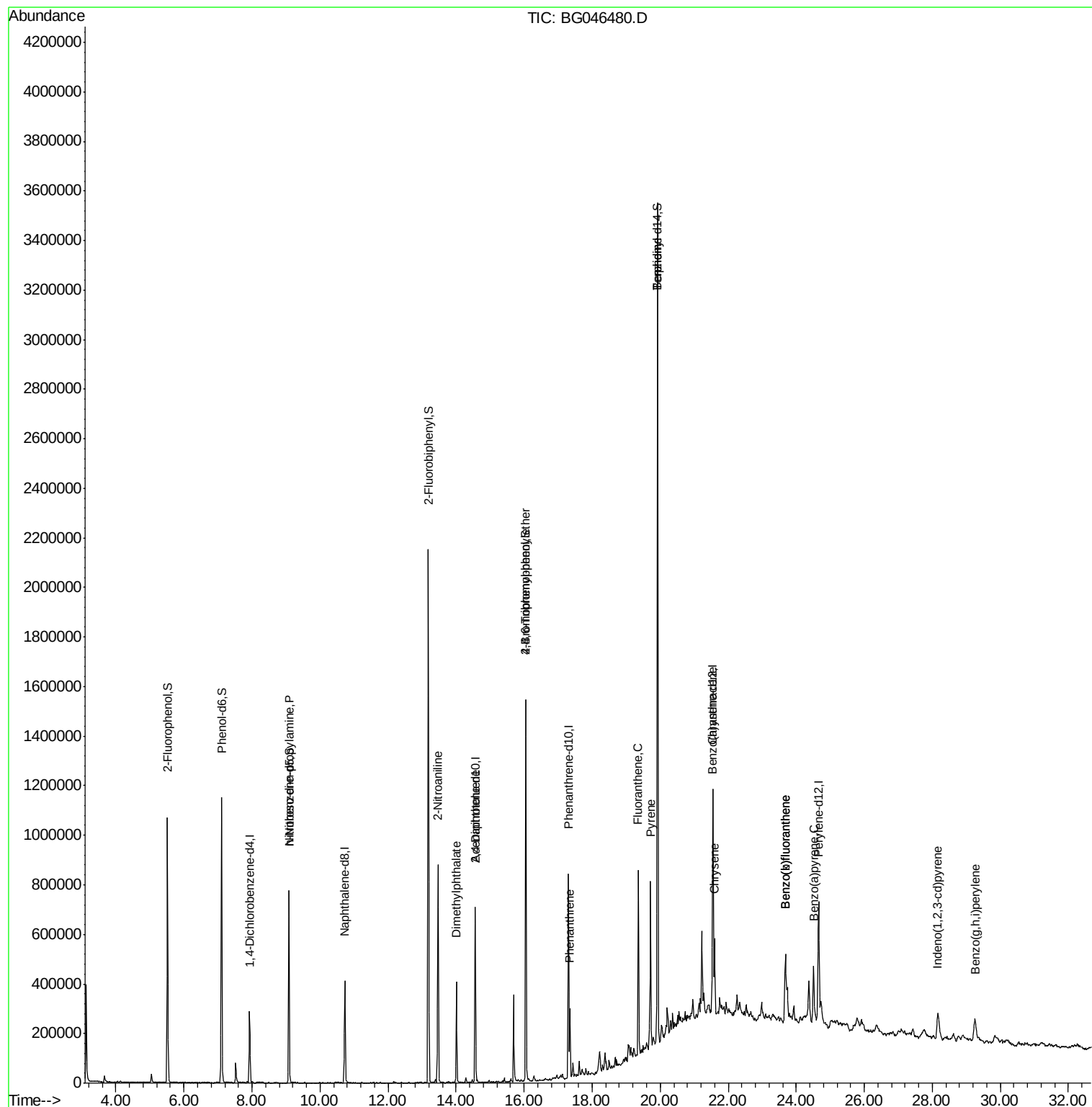
						Qvalue
19) n-Nitroso-di-n-propylamine	9.09	70	61355	14.521	ng	# 75
48) 2-Nitroaniline	13.47	65	14906	3.624	ng	# 7
50) Dimethylphthalate	14.01	163	294654	15.166	ng	99
57) 2,4-Dinitrotoluene	14.56	165	34254	5.609	ng	# 34
67) 4-Bromophenyl-phenylether	16.05	248	23693	3.807	ng	# 1
71) Phenanthrene	17.35	178	179115	6.624	ng	98
75) Fluoranthene	19.36	202	463310	13.314	ng	97
77) Benzidine	19.92	184	25017	2.167	ng	# 91
78) Pyrene	19.72	202	428530	13.546	ng	98
81) Benzo(a)anthracene	21.54	228	257627	8.320	ng	98
83) Chrysene	21.60	228	233079	7.825	ng	99
87) Indeno(1,2,3-cd)pyrene	28.16	276	175560	4.699	ng	97
88) Benzo(b)fluoranthene	23.68	252	337456	10.388	ng	# 98
89) Benzo(k)fluoranthene	23.68	252	337456	10.749	ng	98
90) Benzo(a)pyrene	24.51	252	246664	8.137	ng	98
92) Benzo(g,h,i)perylene	29.25	276	178500	5.928	ng	99

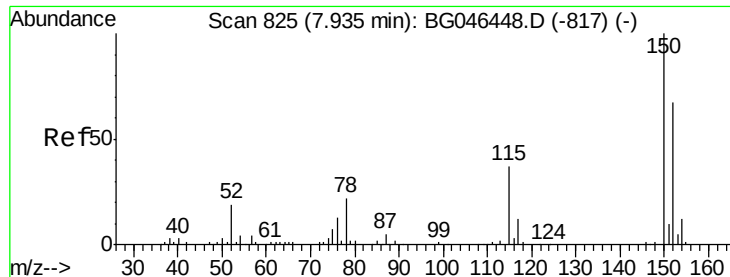
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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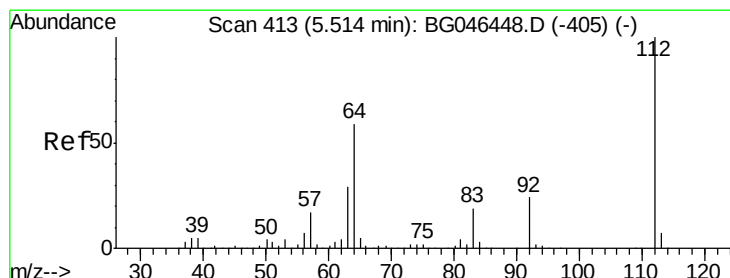
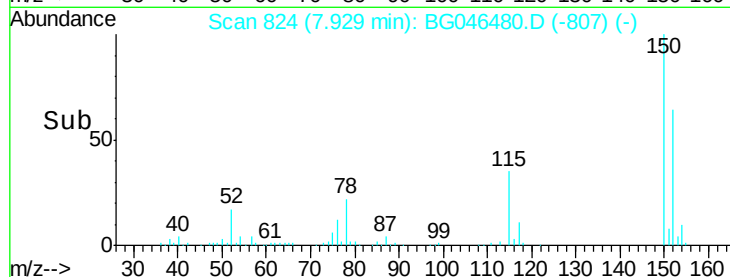
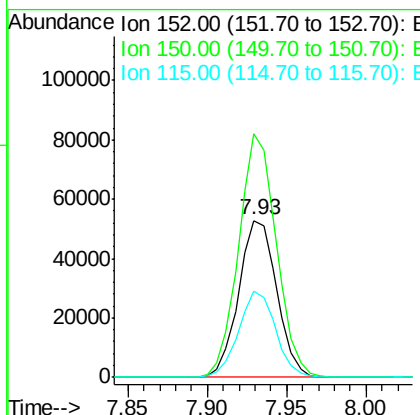
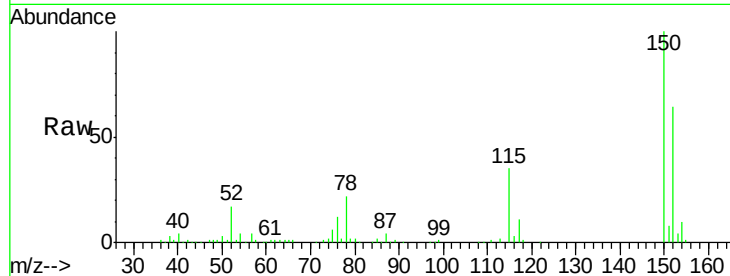


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-12-A

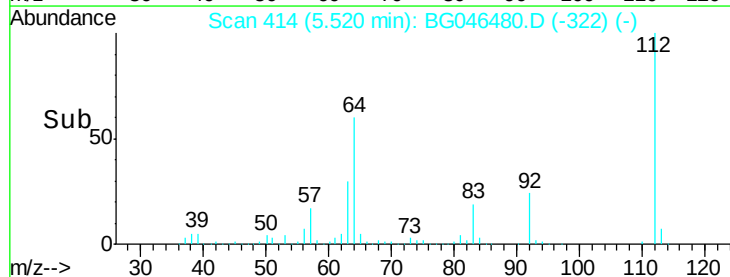
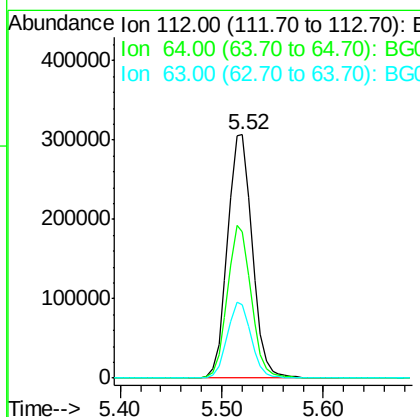
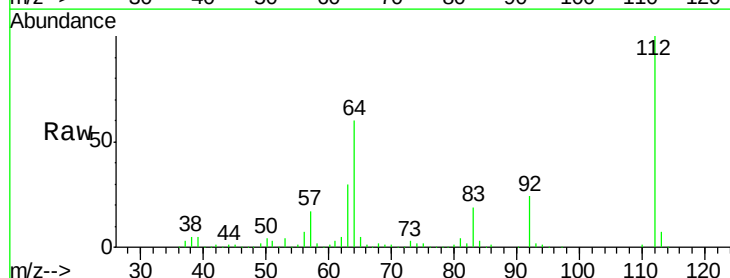
Tot Ion:152 Resp: 88253
Ion Ratio Lower Upper
152 100
150 155.4 119.5 179.3
115 55.0 44.3 66.5

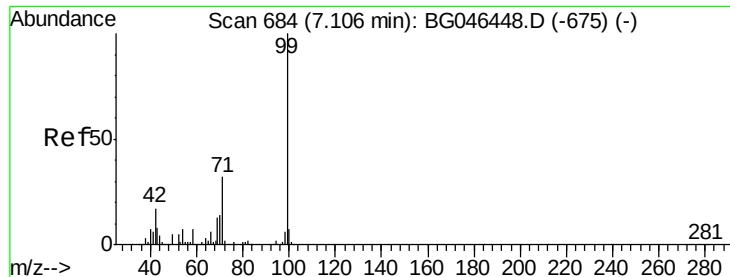


#5

2-Fluorophenol
Concen: 104.140 ng
RT: 5.52 min Scan# 414
Delta R.T. 0.01 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Tgt Ion:112 Resp: 518900
Ion Ratio Lower Upper
112 100
64 60.3 47.0 70.6
63 30.2 23.5 35.3





#7

Phenol-d6

Concen: 101.651 ng

RT: 7.11 min Scan# 684

Delta R.T. 0.00 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Instrument :

BNA_G

ClientSampleId :

LINDEN-JOP-BH-12-A

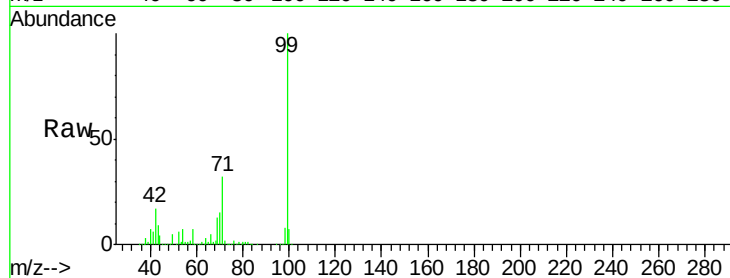
Tot Ion: 99 Resp: 718011

Ion Ratio Lower Upper

99 100

42 17.0 13.3 19.9

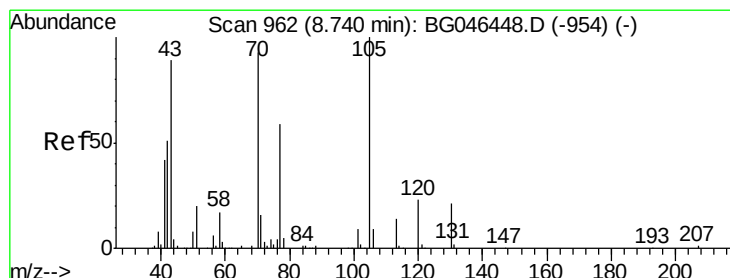
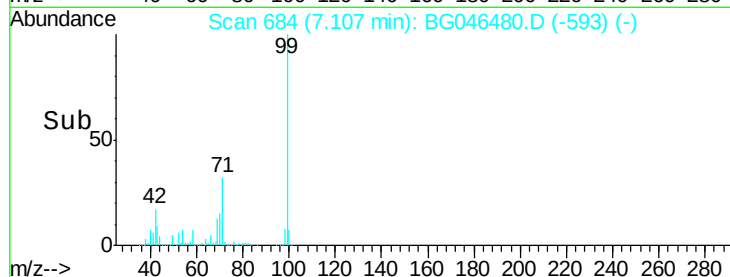
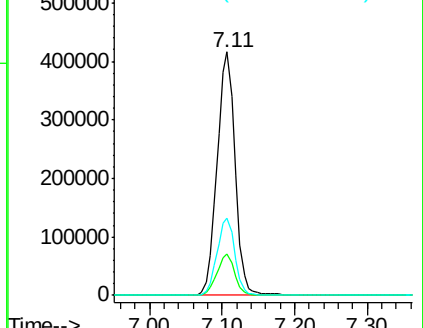
71 31.8 25.3 37.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 14.521 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.36 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Tgt Ion: 70 Resp: 61355

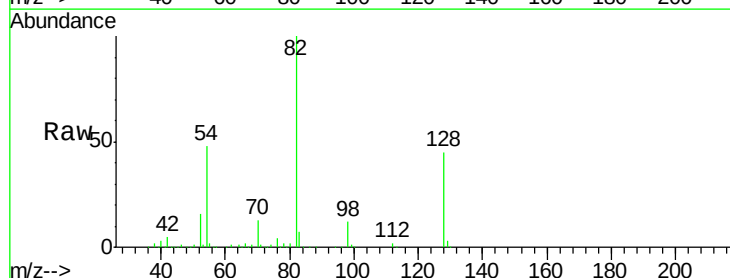
Ion Ratio Lower Upper

70 100

42 42.1 44.2 66.2#

101 0.0 7.8 11.8#

130 2.6 18.2 27.4#

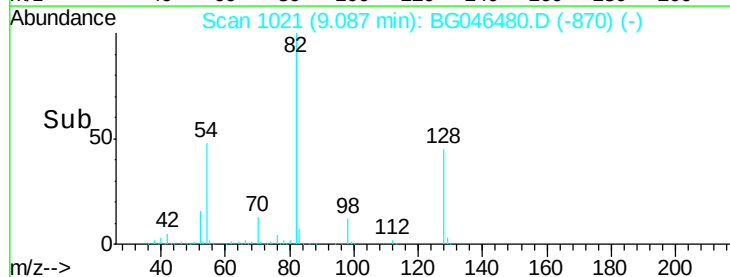
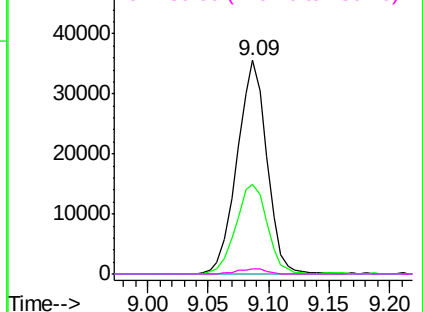


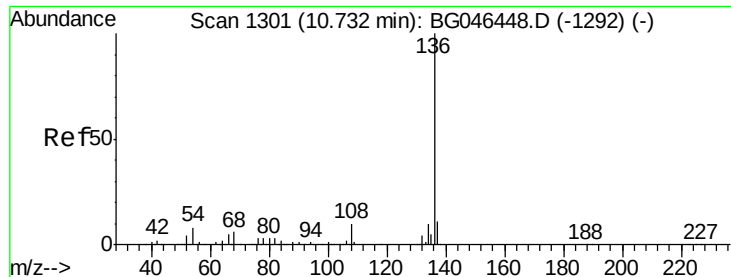
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

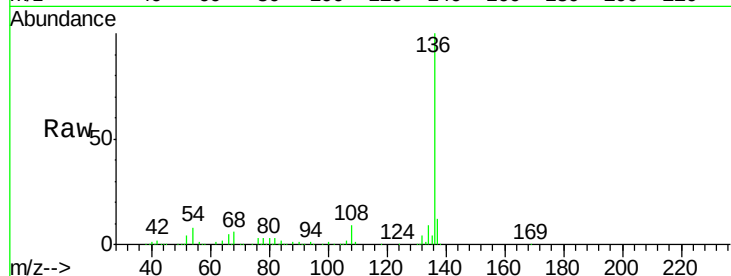




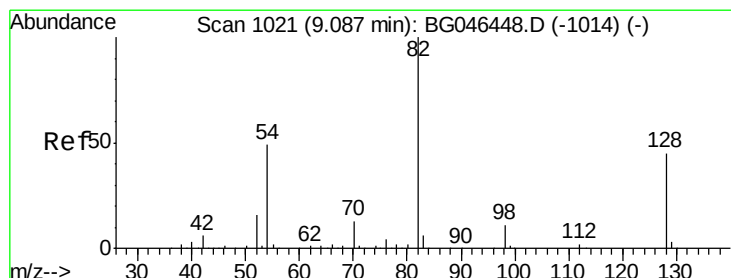
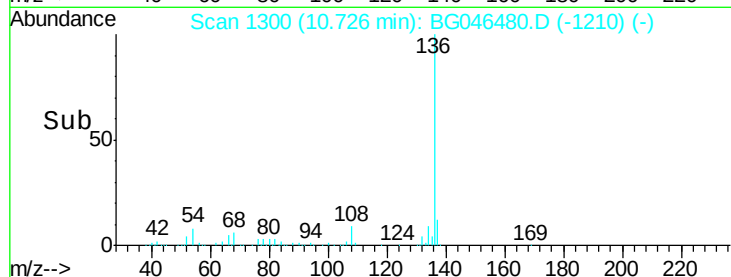
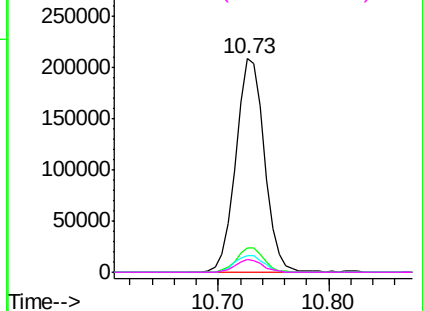
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-12-A

Tot Ion:136	Resp:	379962
Ion Ratio	Lower	Upper
136 100		
137 11.6	8.8	13.2
54 7.9	6.1	9.1
68 5.8	4.8	7.2

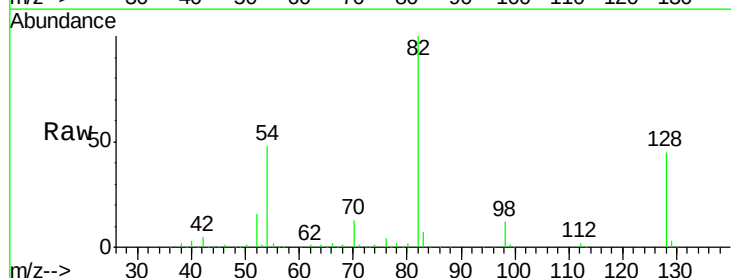


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

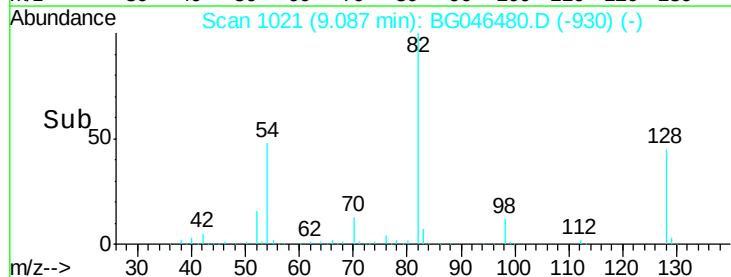
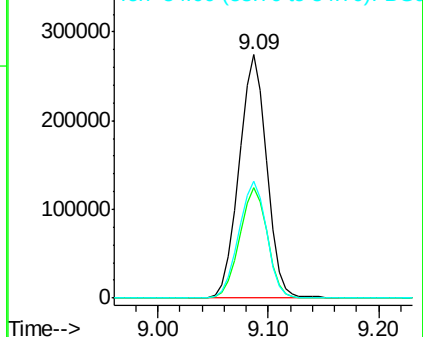


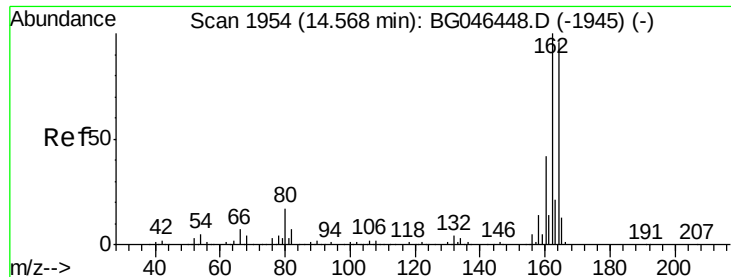
#23
Nitrobenzene-d5
Concen: 72.706 ng
RT: 9.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Tgt Ion: 82	Resp: 483343
Ion Ratio	Lower Upper
82 100	
128 45.2	35.7 53.5
54 48.2	39.4 59.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1953

Delta R.T. 0.00 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Instrument :

BNA_G

ClientSampleId :

LINDEN-JOP-BH-12-A

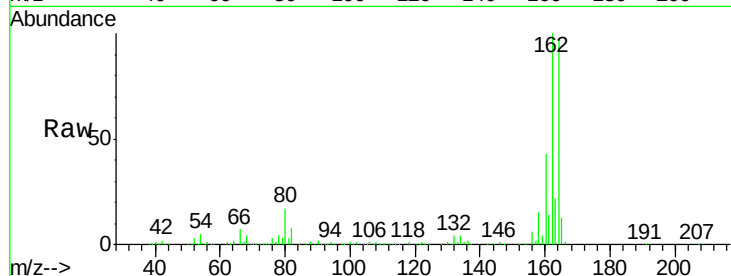
Tot Ion:164 Resp: 251128

Ion Ratio Lower Upper

164 100

162 103.2 83.3 124.9

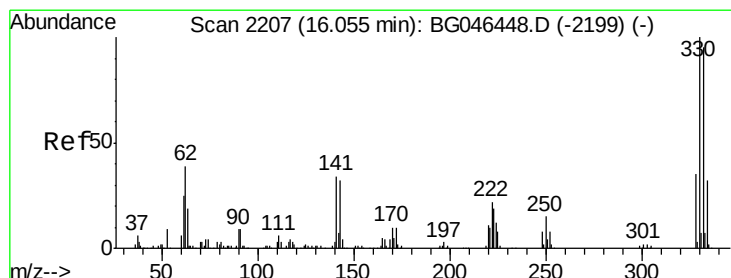
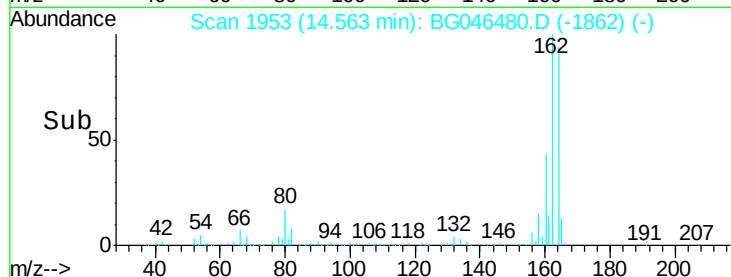
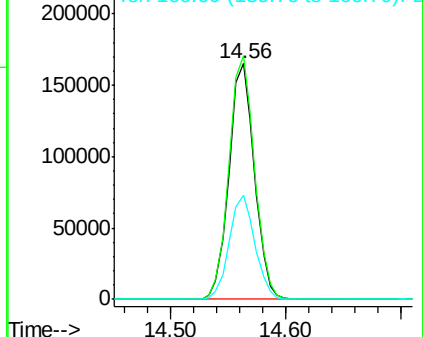
160 43.9 35.0 52.6



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



#42

2,4,6-Tribromophenol

Concen: 90.049 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

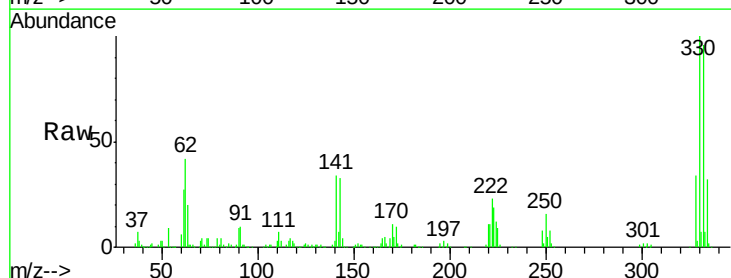
Tgt Ion:330 Resp: 306401

Ion Ratio Lower Upper

330 100

332 97.0 76.1 114.1

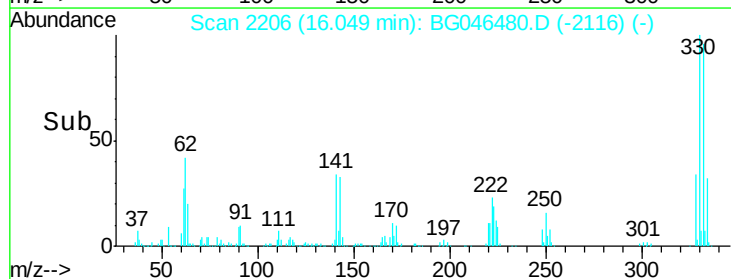
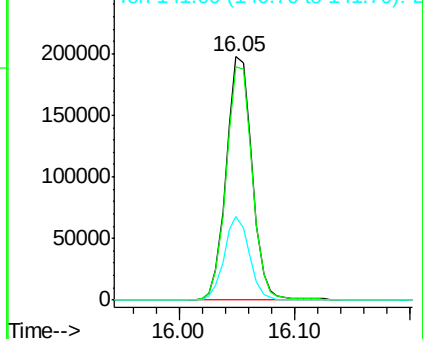
141 33.5 26.1 39.1

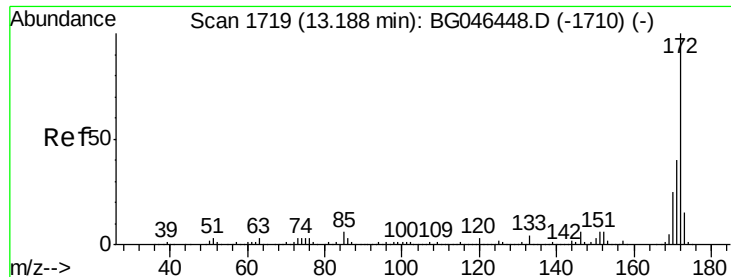


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

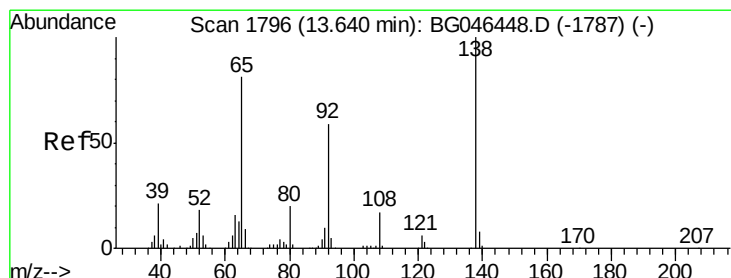
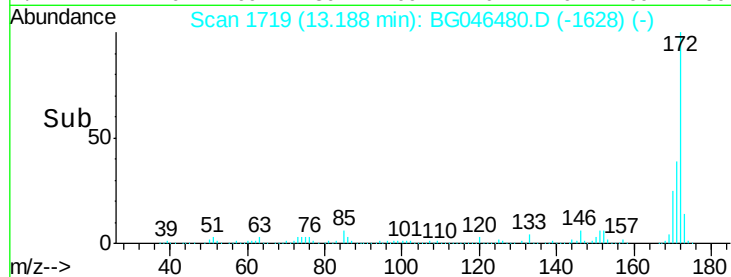
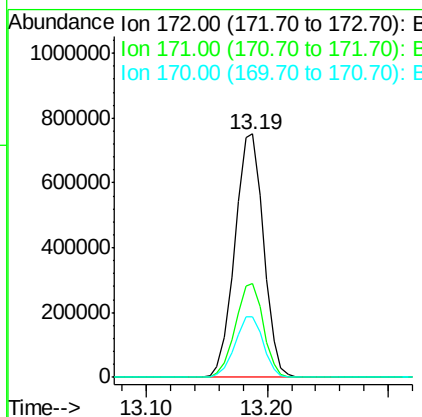
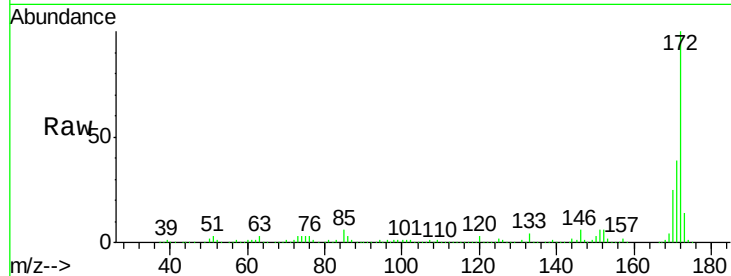




#45
2-Fluorobiphenyl
Concen: 75.728 ng
RT: 13.19 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

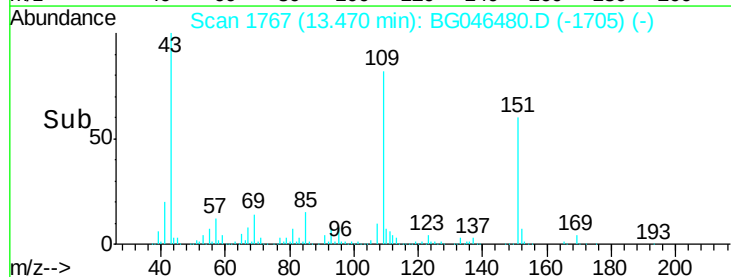
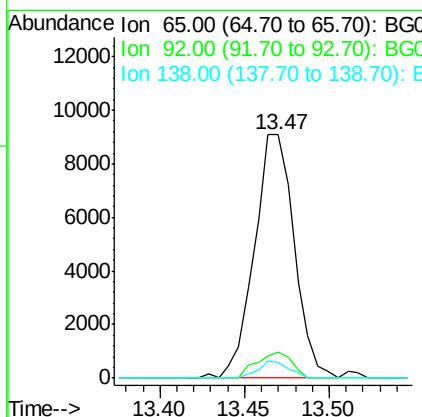
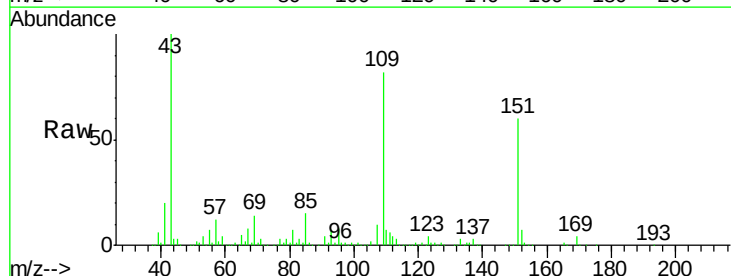
Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-12-A

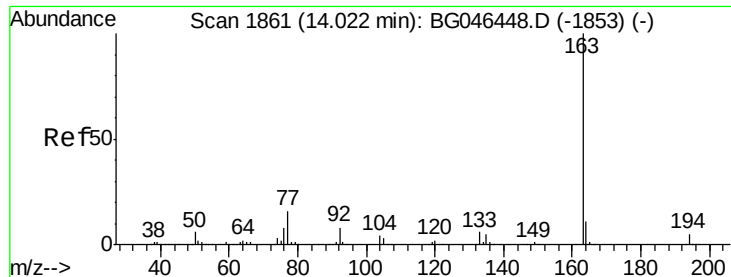
Tot Ion:172 Resp: 1245768
Ion Ratio Lower Upper
172 100
171 38.5 31.8 47.6
170 25.1 20.3 30.5



#48
2-Nitroaniline
Concen: 3.624 ng
RT: 13.47 min Scan# 1767
Delta R.T. -0.17 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Tgt Ion: 65 Resp: 14906
Ion Ratio Lower Upper
65 100
92 10.8 58.5 87.7#
138 6.3 98.4 147.6#





#50

Dimethylphthalate

Concen: 15.166 ng

RT: 14.01 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Instrument :

BNA_G

ClientSampleId :

LINDEN-JOP-BH-12-A

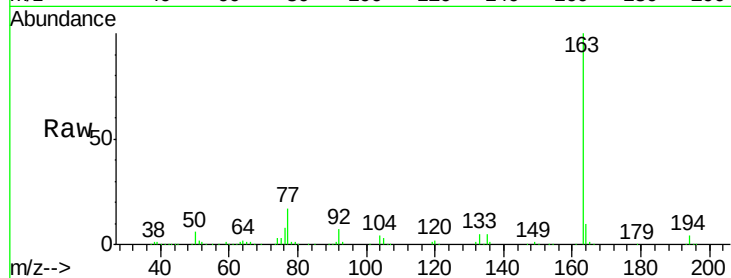
Tot Ion:163 Resp: 294654

Ion Ratio Lower Upper

163 100

194 4.3 3.7 5.5

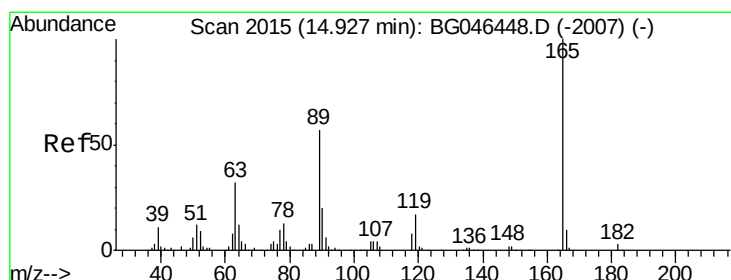
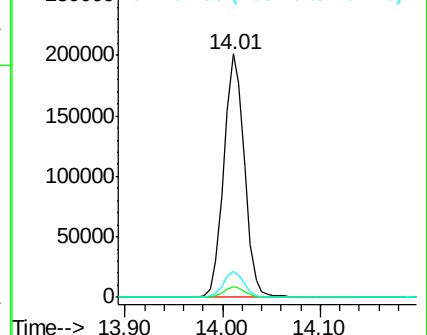
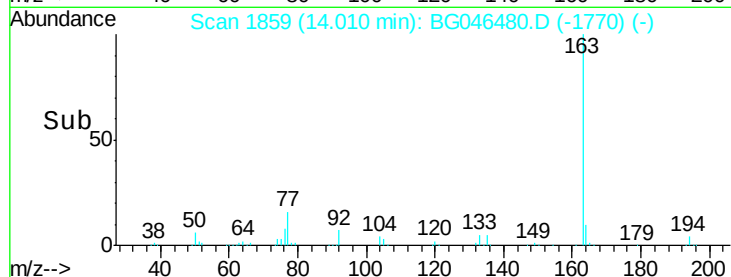
164 10.5 8.6 12.8



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



#57

2,4-Dinitrotoluene

Concen: 5.609 ng

RT: 14.56 min Scan# 1953

Delta R.T. -0.36 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Tgt Ion:165 Resp: 34254

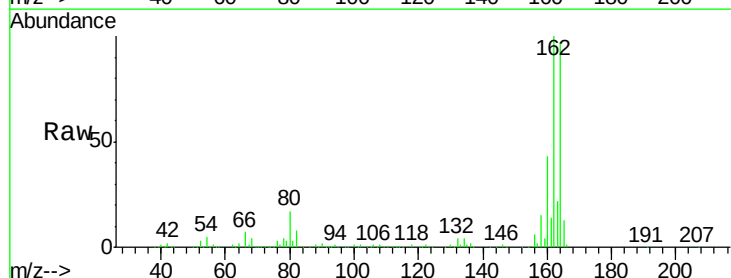
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.3 45.9 68.9#

182 0.0 2.3 3.5#

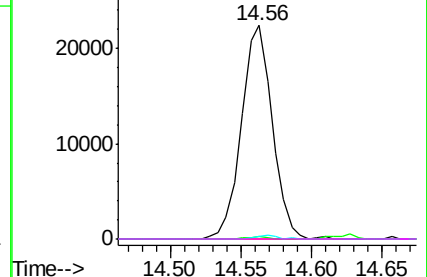
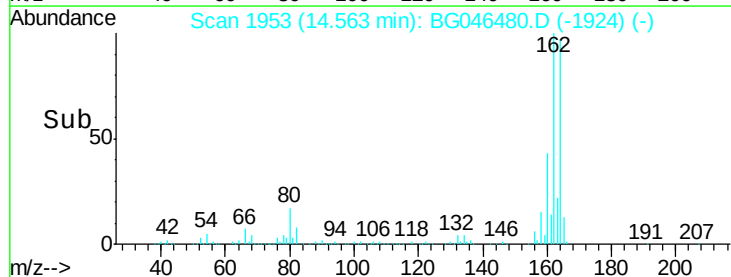


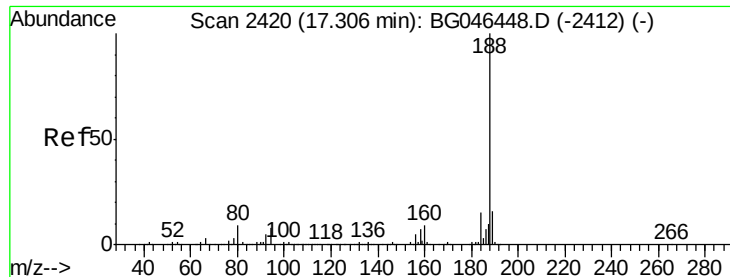
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.31 min Scan# 2420

Delta R.T. 0.00 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Instrument :

BNA_G

ClientSampleId :

LINDEN-JOP-BH-12-A

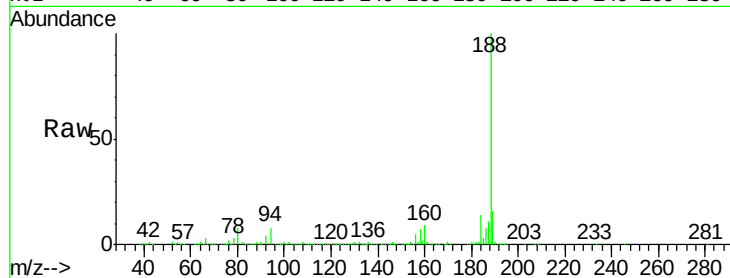
Tot Ion:188 Resp: 533471

Ion Ratio Lower Upper

188 100

94 7.7 6.3 9.5

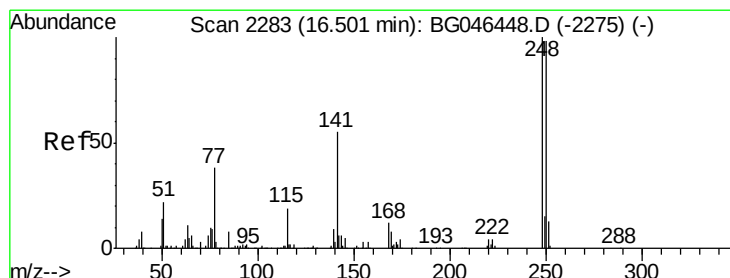
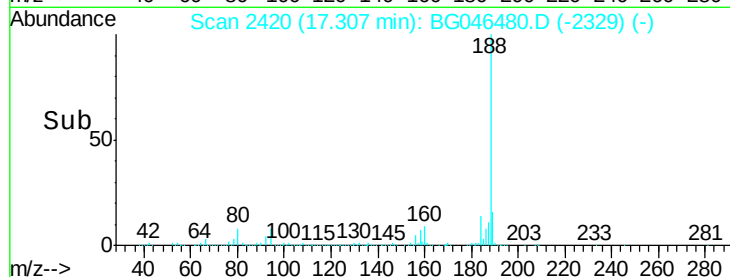
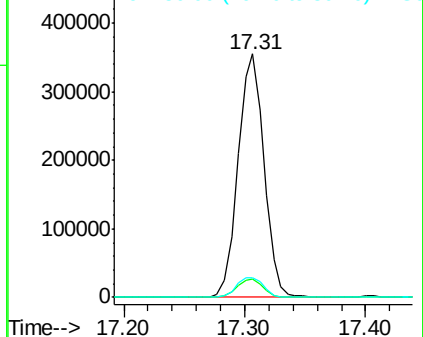
80 8.2 6.9 10.3



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: 3.807 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.45 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

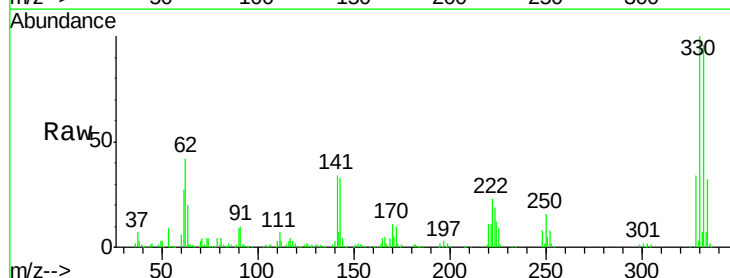
Tgt Ion:248 Resp: 23693

Ion Ratio Lower Upper

248 100

250 197.9 78.6 118.0#

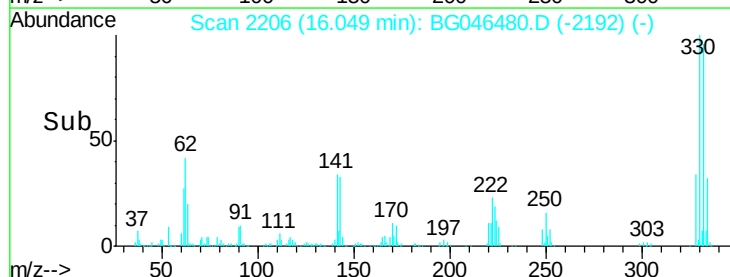
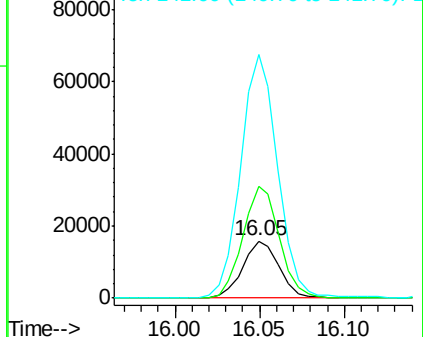
141 428.8 43.9 65.9#

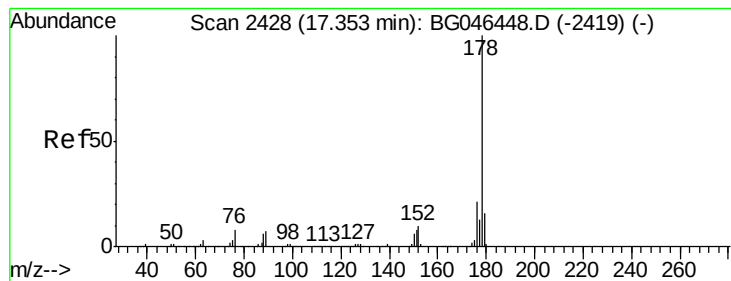


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 6.624 ng

RT: 17.35 min Scan# 2427

Delta R.T. -0.00 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Instrument :

BNA_G

ClientSampleId :

LINDEN-JOP-BH-12-A

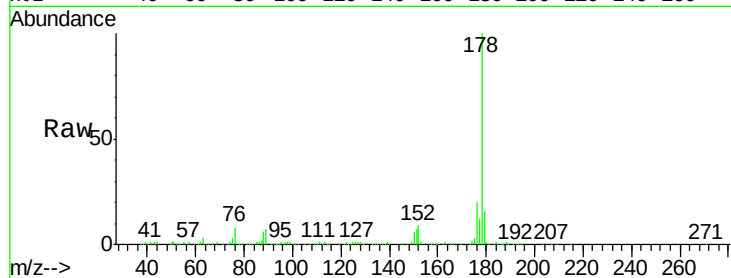
Tot Ion:178 Resp: 179115

Ion Ratio Lower Upper

178 100

176 19.6 16.8 25.2

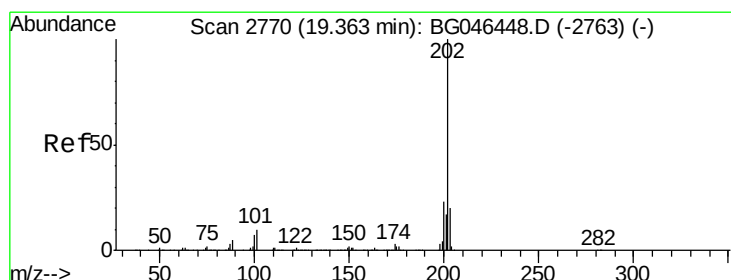
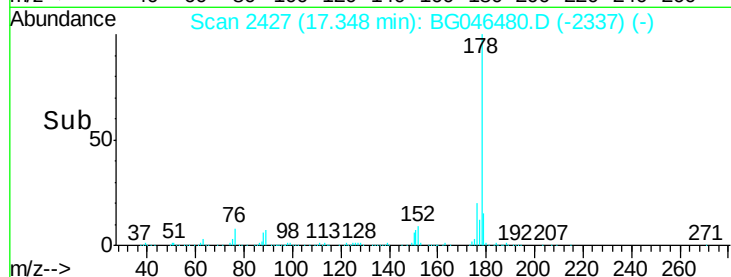
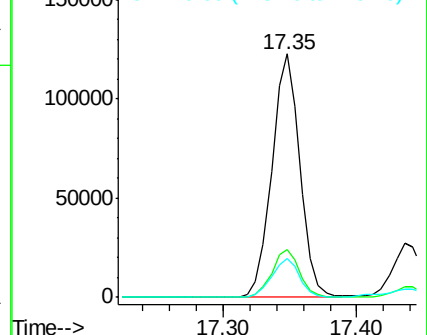
179 15.7 13.2 19.8



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: 13.314 ng

RT: 19.36 min Scan# 2769

Delta R.T. -0.00 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

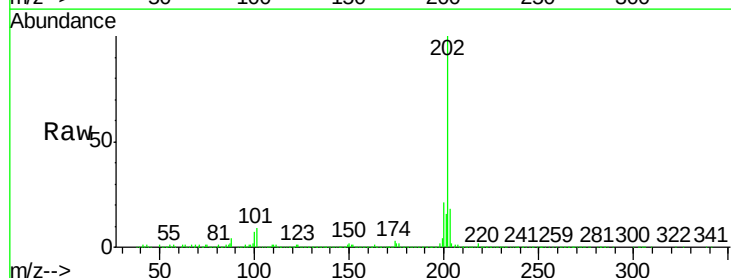
Tgt Ion:202 Resp: 463310

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.9

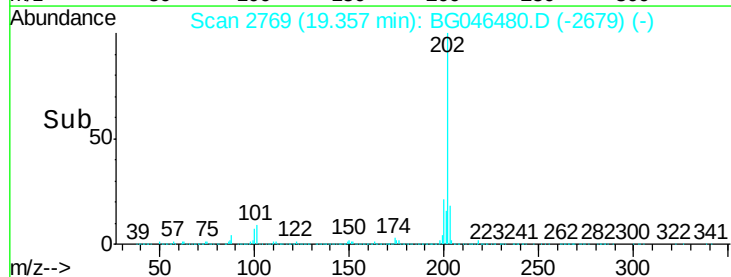
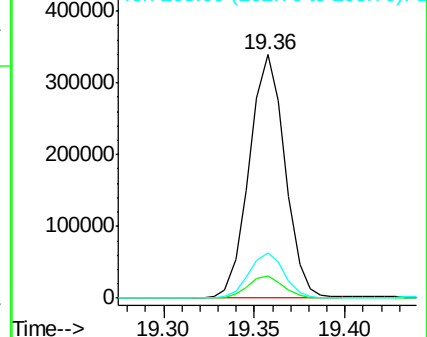
203 18.4 0.0 40.0

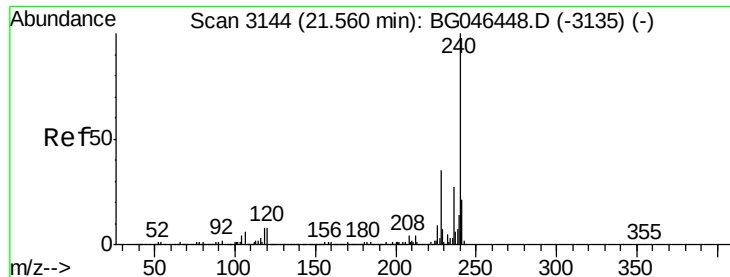


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.55 min Scan# 3143

Delta R.T. -0.00 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Instrument :

BNA_G

ClientSampleId :

LINDEN-JOP-BH-12-A

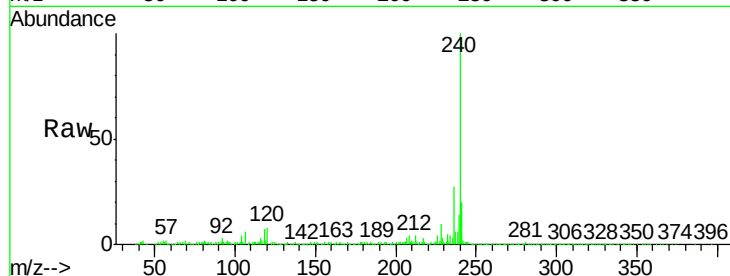
Tot Ion:240 Resp: 496775

Ion Ratio Lower Upper

240 100

120 8.2 6.6 10.0

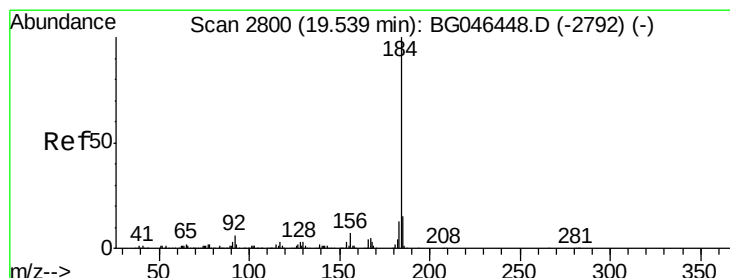
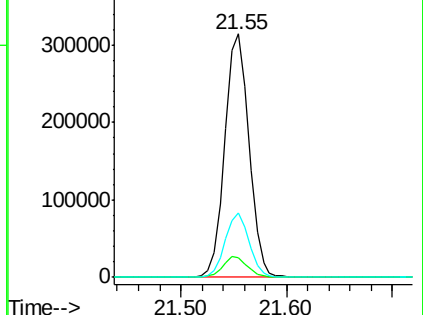
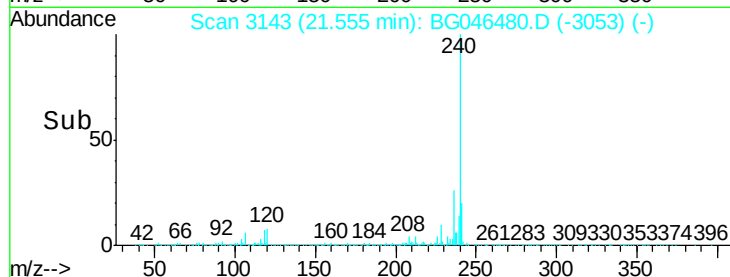
236 26.5 21.4 32.2



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: 2.167 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.38 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

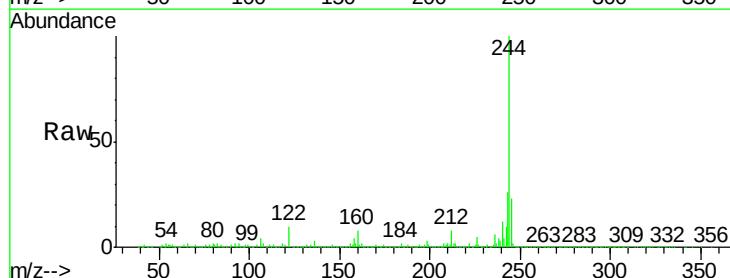
Tgt Ion:184 Resp: 25017

Ion Ratio Lower Upper

184 100

185 18.9 11.8 17.8#

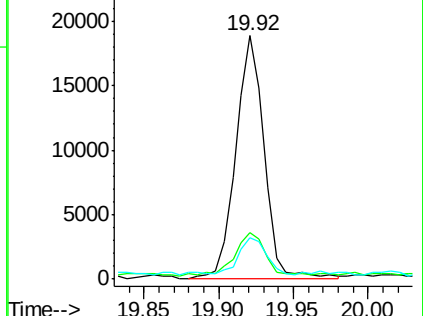
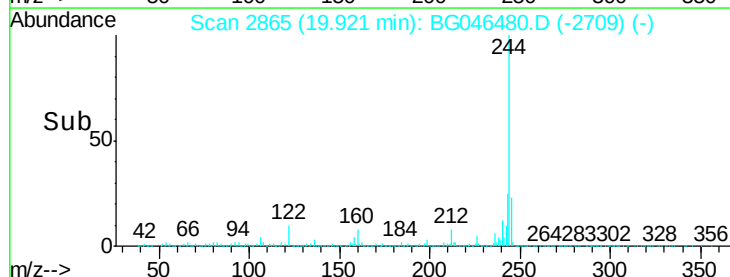
183 16.9 10.7 16.1#

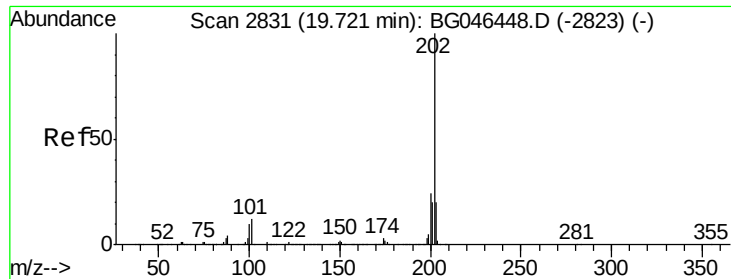


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

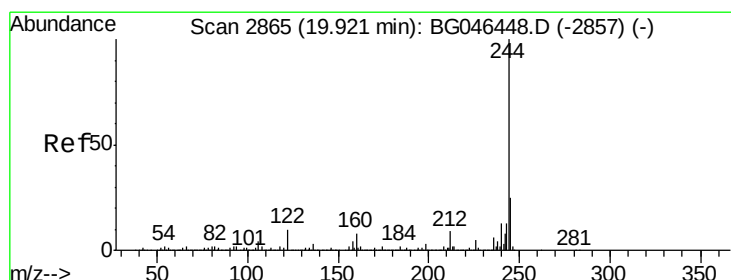
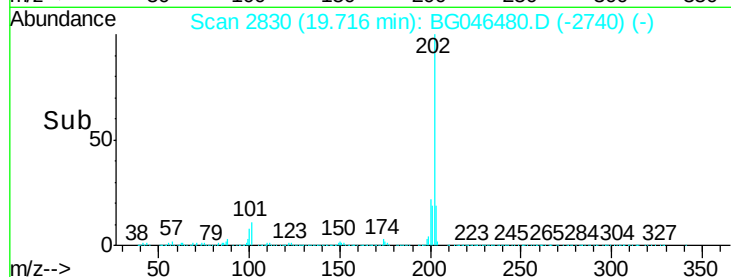
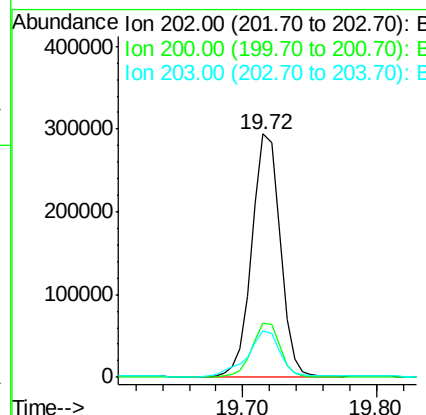
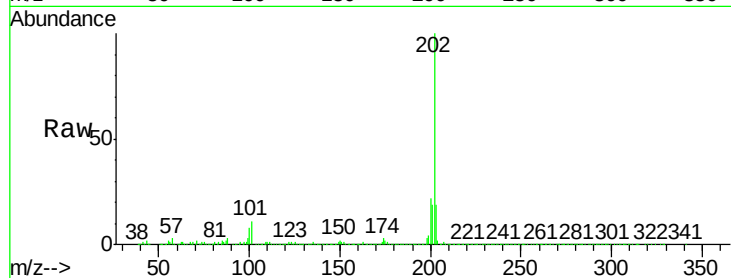




#78
Pvrene
Concen: 13.546 ng
RT: 19.72 min Scan# 2830
Delta R.T. -0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

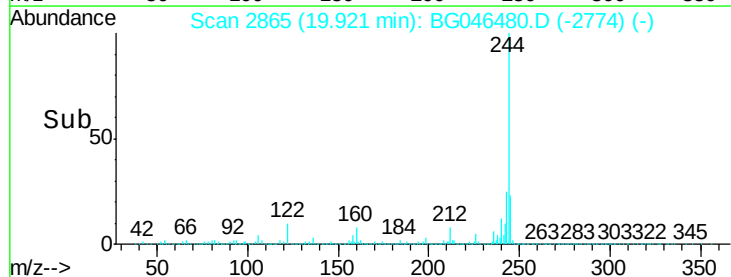
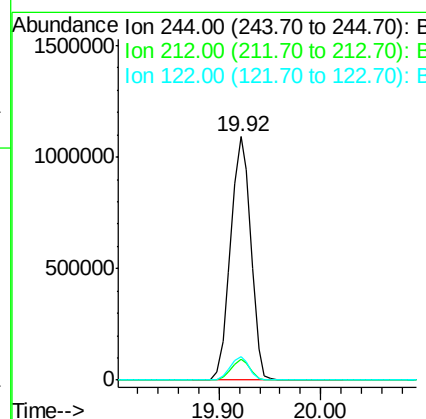
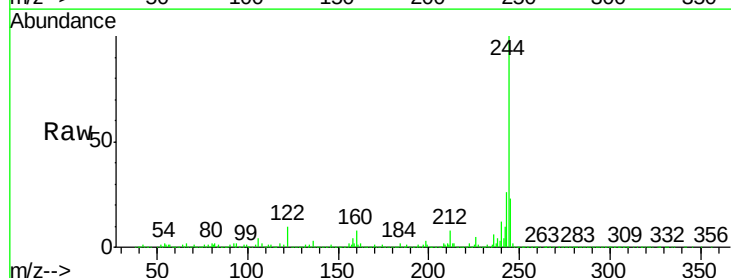
Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-12-A

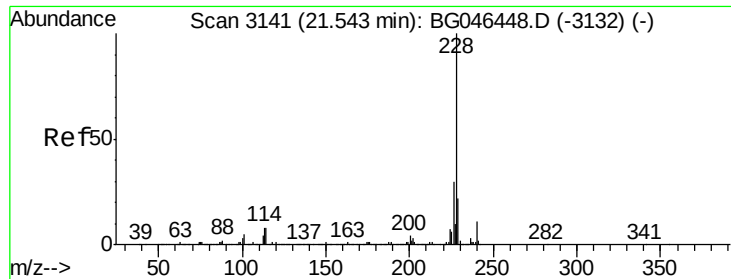
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.1	18.9	28.3
203	19.3	16.1	24.1



#79
Terphenyl-d14
Concen: 65.001 ng
RT: 19.92 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.9	10.3
122	9.6	8.2	12.4

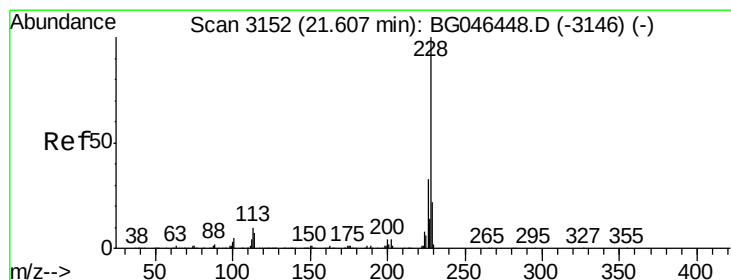
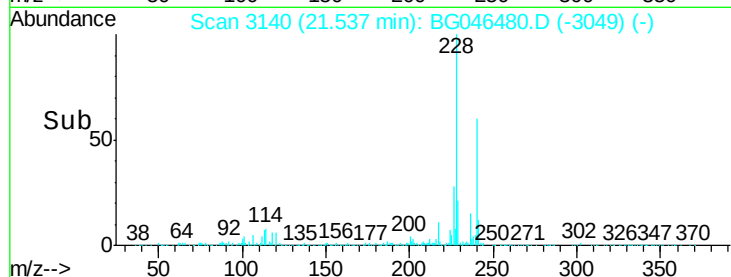
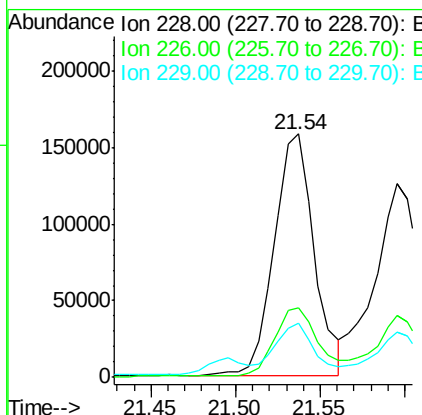
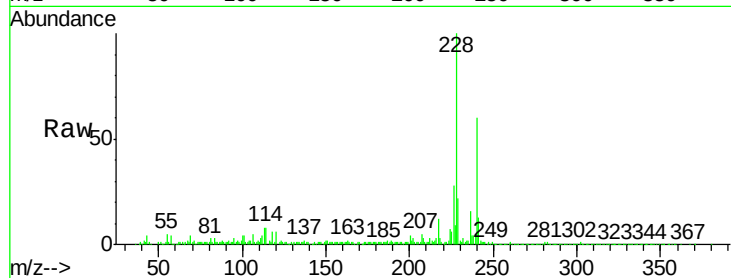




#81
Benzo(a)anthracene
Concen: 8.320 ng
RT: 21.54 min Scan# 3140
Delta R.T. 0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

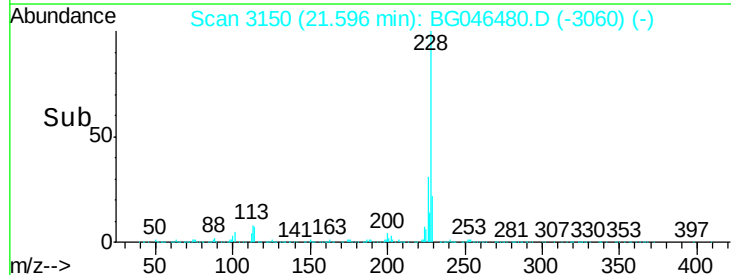
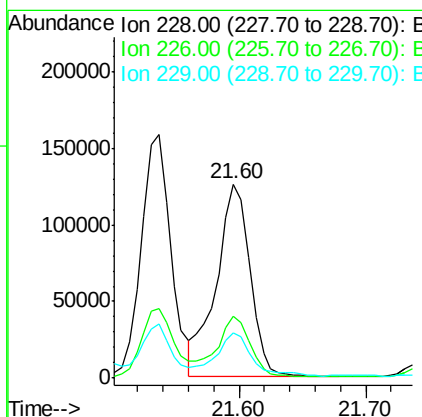
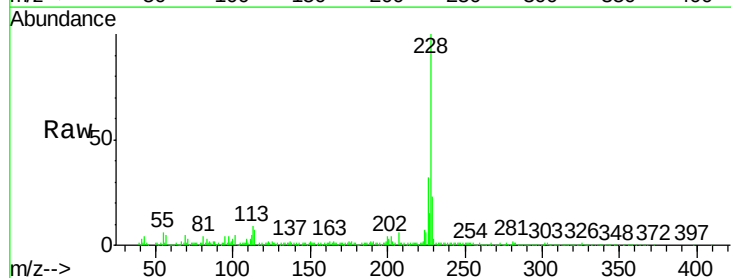
Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-12-A

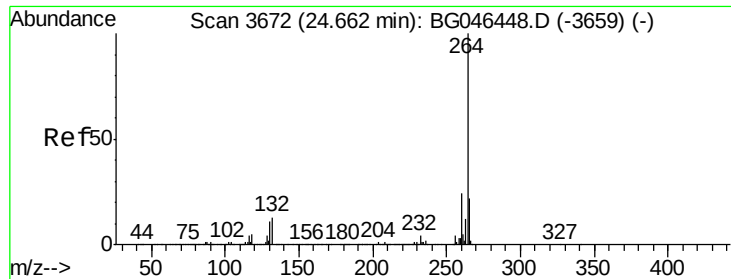
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	24.2	36.4
229	22.0	17.4	26.2



#83
Chrysene
Concen: 7.825 ng
RT: 21.60 min Scan# 3150
Delta R.T. -0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.1	26.2	39.4
229	23.3	17.9	26.9

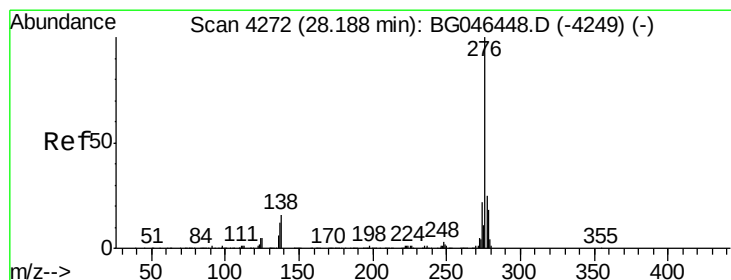
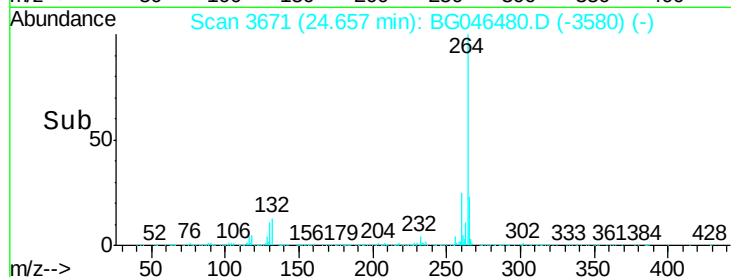
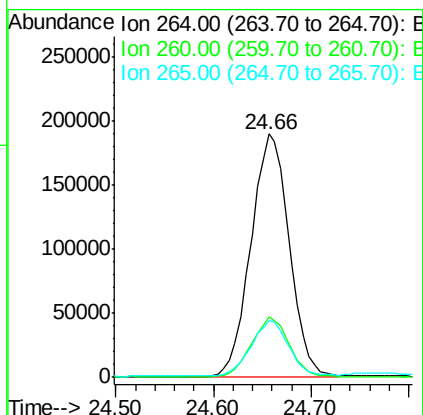
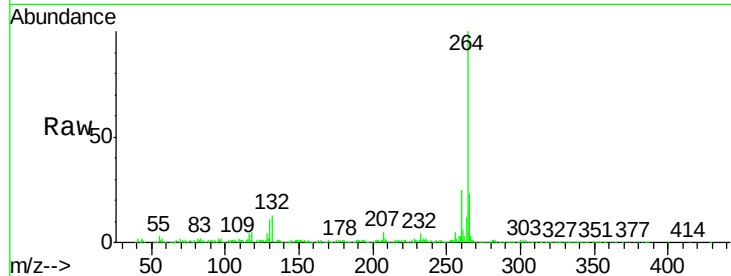




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.66 min Scan# 3671
Delta R.T. 0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

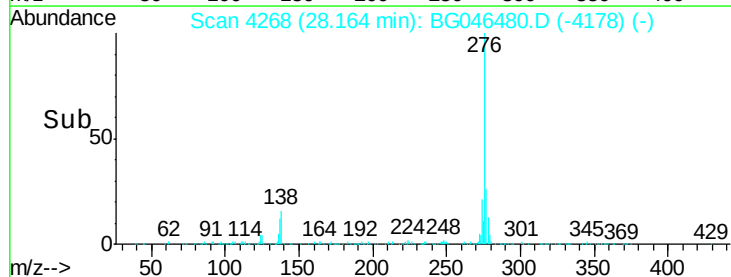
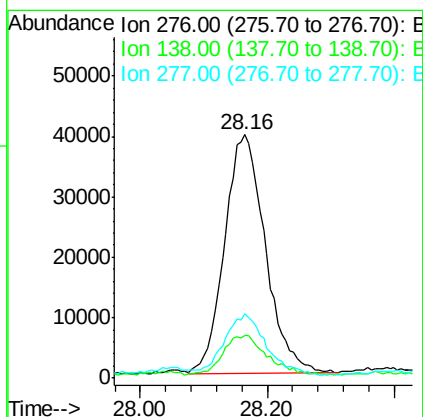
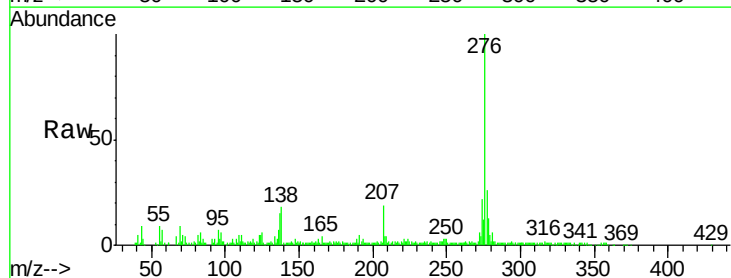
Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-12-A

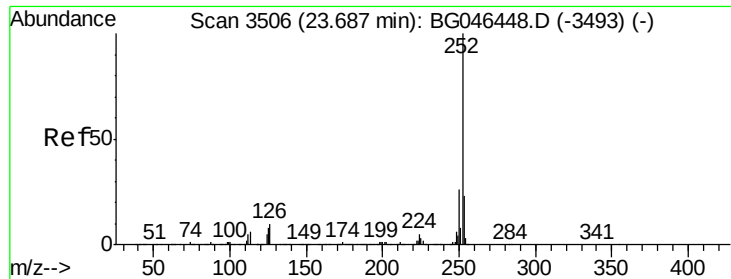
Tot Ion:264 Resp: 520228
Ion Ratio Lower Upper
264 100
260 25.1 19.2 28.8
265 23.3 17.9 26.9



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.699 ng
RT: 28.16 min Scan# 4268
Delta R.T. -0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Tgt Ion:276 Resp: 175560
Ion Ratio Lower Upper
276 100
138 17.3 16.5 24.7
277 26.2 20.7 31.1

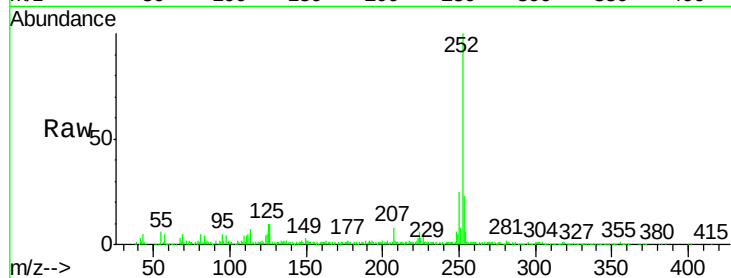




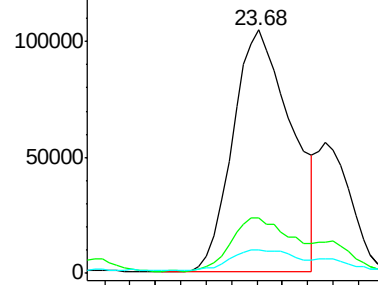
#88
Benzo(b)fluoranthene
Concen: 10.388 ng
RT: 23.68 min Scan# 3505
Delta R.T. 0.00 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

Instrument :
BNA_G
ClientSampleId :
LINDEN-JOP-BH-12-A

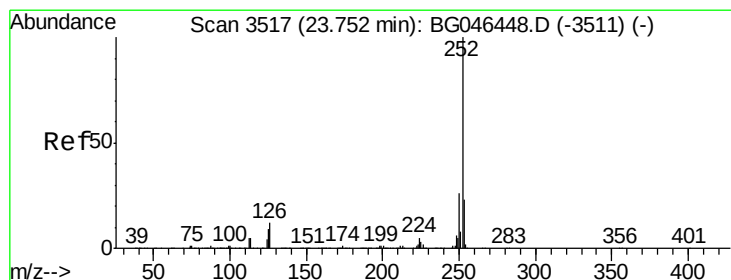
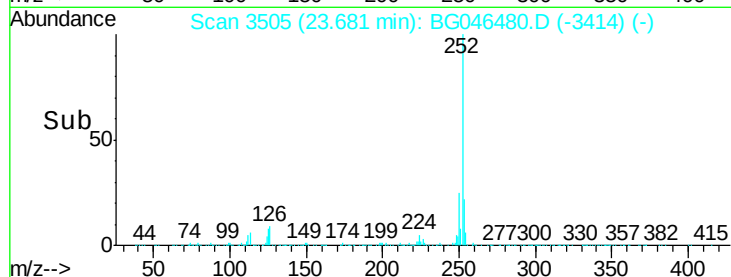
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	9.6	6.2	9.2#



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

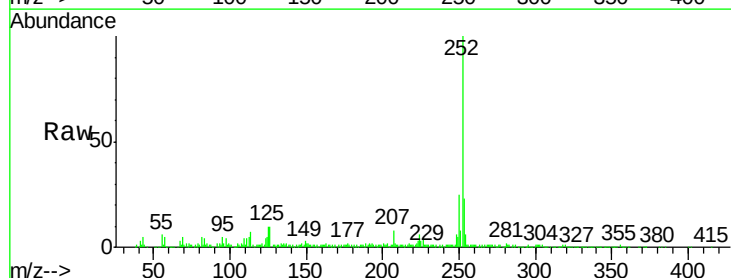


Time-->

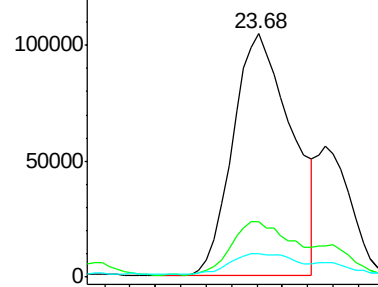


#89
Benzo(k)fluoranthene
Concen: 10.749 ng
RT: 23.68 min Scan# 3505
Delta R.T. -0.06 min
Lab File: BG046480.D
Acq: 31 Aug 2020 22:33

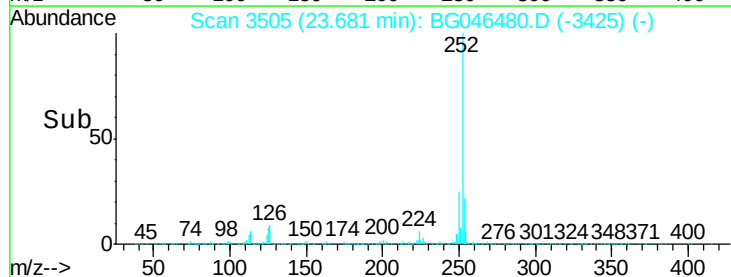
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.5	27.7
125	9.6	6.8	10.2

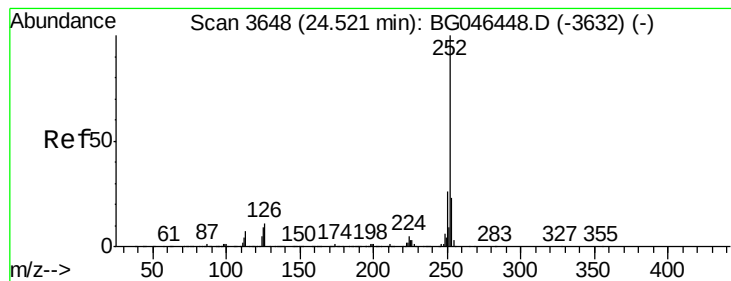


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



Time-->





#90

Benzo(a)pyrene

Concen: 8.137 ng

RT: 24.51 min Scan# 3646

Delta R.T. -0.00 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

Instrument :

BNA_G

ClientSampleId :

LINDEN-JOP-BH-12-A

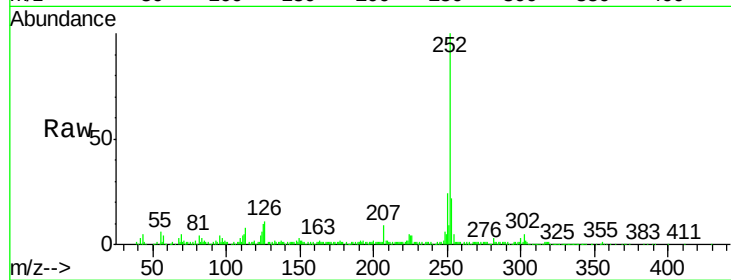
Tot Ion:252 Resp: 246664

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

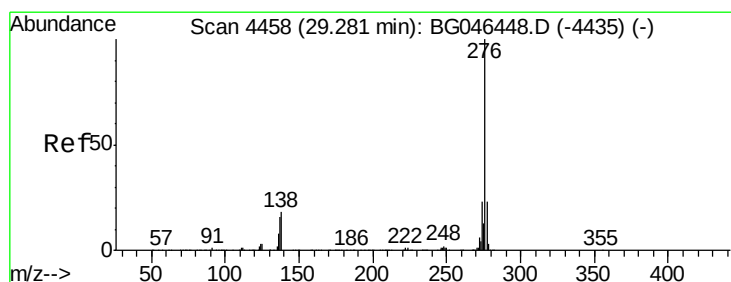
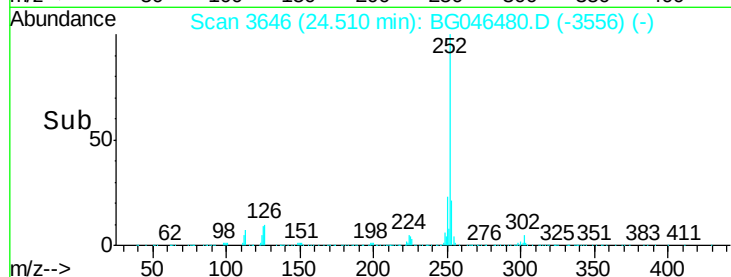
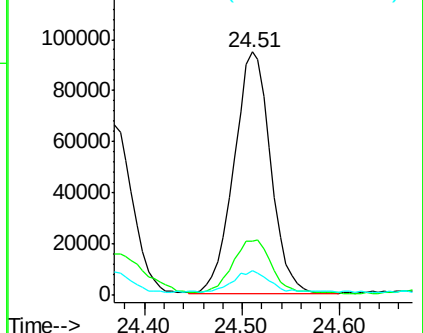
125 10.4 7.4 11.0



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(g,h,i)perylene

Concen: 5.928 ng

RT: 29.25 min Scan# 4453

Delta R.T. -0.01 min

Lab File: BG046480.D

Acq: 31 Aug 2020 22:33

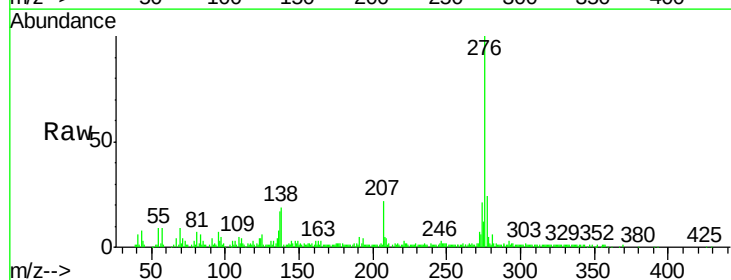
Tgt Ion:276 Resp: 178500

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 18.9 14.7 22.1



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

