

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050420\
 Data File : BG045241.D
 Acq On : 4 May 2020 19:53
 Operator : CG/JU
 Sample : L2476-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-03-008-B

Quant Time: May 05 01:27:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 04 13:03:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.99	152	85698	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	346582	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	236087	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	478483	20.00	ng	0.00
76) Chrysene-d12	21.65	240	409431	20.00	ng	0.00
87) Perylene-d12	24.83	264	448427	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.57	112	485506	93.53	ng	0.00
7) Phenol-d6	7.16	99	724469	93.94	ng	0.00
23) Nitrobenzene-d5	9.15	82	487599	64.19	ng	0.00
42) 2,4,6-Tribromophenol	16.12	330	324818	89.06	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1121636	69.66	ng	0.00
79) Terphenyl-d14	19.99	244	1460406	77.74	ng	0.00

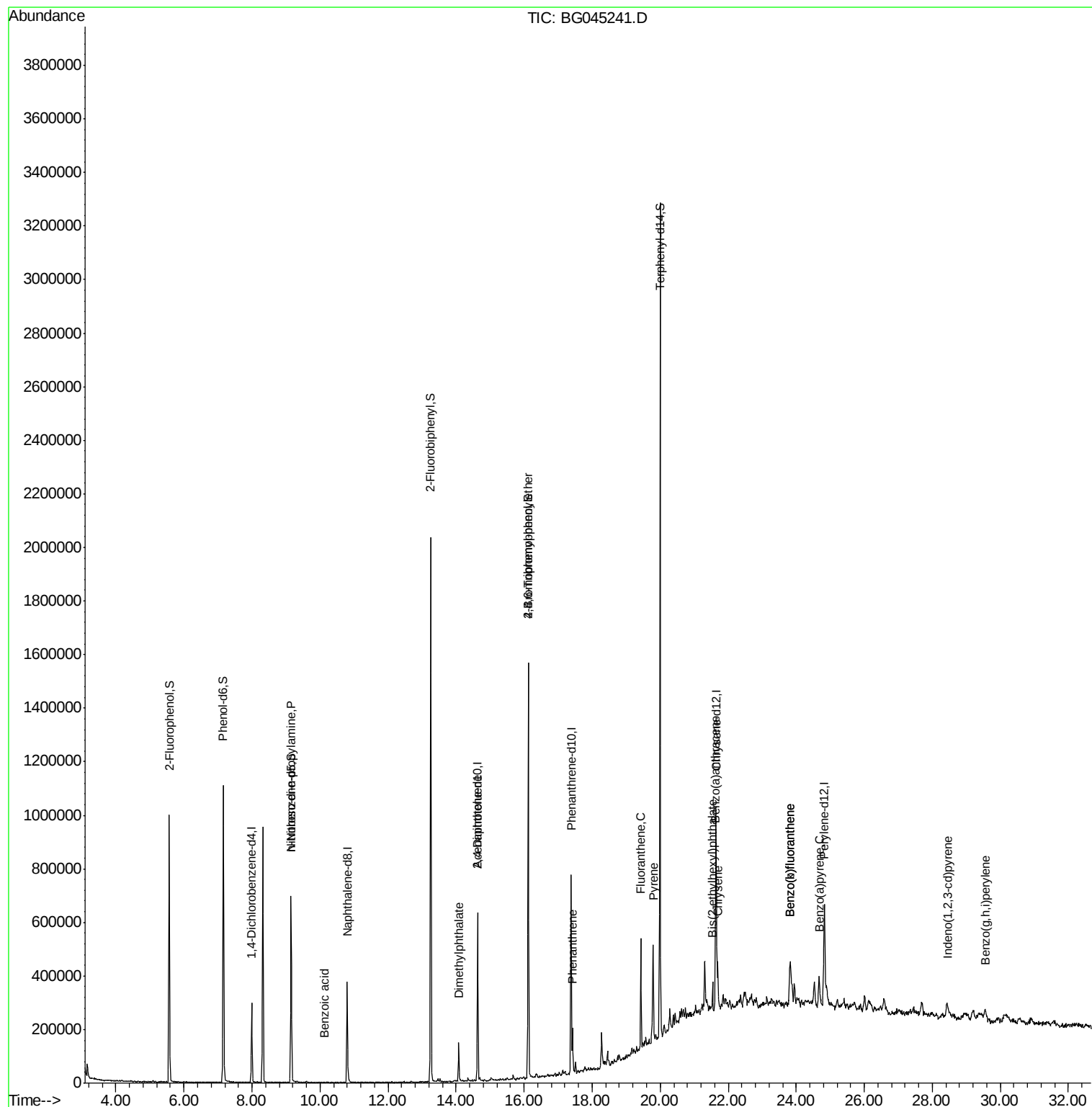
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	7.16	77	1583	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	65435	11.997 ng	#	82
32) Benzoic acid	10.13	122	66	6.387 ng	#	1
50) Dimethylphthalate	14.08	163	97591	5.077 ng		99
57) 2,4-Dinitrotoluene	14.63	165	31204	4.966 ng	#	22
67) 4-Bromophenyl-phenylether	16.12	248	21402	3.467 ng	#	1
69) Atrazine	16.82	200	76	Below Cal	#	35
71) Phenanthrene	17.42	178	105203	4.279 ng		97
74) Di-n-butylphthalate	18.34	149	13826	Below Cal	#	97
75) Fluoranthene	19.43	202	269382	3.652 ng		96
77) Benzidine	19.99	184	28773	Below Cal	#	90
78) Pvrene	19.79	202	246919	8.748 ng		95
81) Benzo(a)anthracene	21.63	228	137579	5.184 ng		99
83) Chrysene	21.69	228	136006	5.334 ng		97
84) Bis(2-ethylhexyl)phthalate	21.55	149	49270	3.062 ng		96
86) Indeno(1,2,3-cd)pyrene	28.44	276	94854	2.802 ng		95
88) Benzo(b)fluoranthene	23.82	252	189501	6.746 ng		95
89) Benzo(k)fluoranthene	23.82	252	189501	7.094 ng	#	94
90) Benzo(a)pvrene	24.67	252	140388	5.294 ng	#	98
92) Benzo(a,h,i)perylene	29.56	276	94163	3.515 ng	#	94

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

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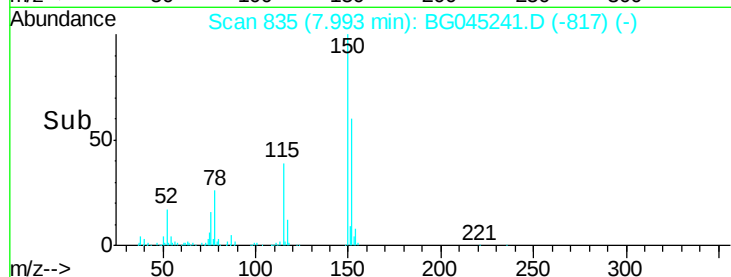
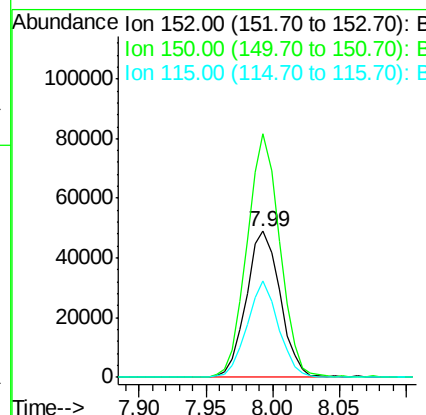
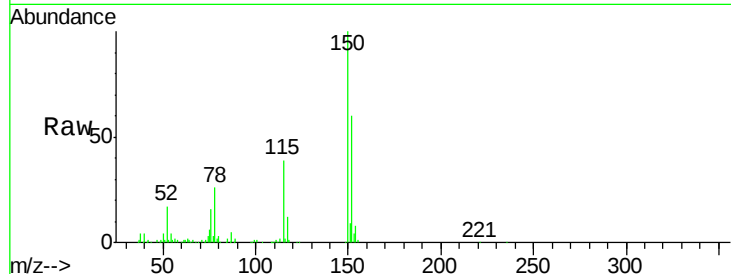


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BG045241.D
 Acq: 4 May 2020 19:53

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-03-008-B

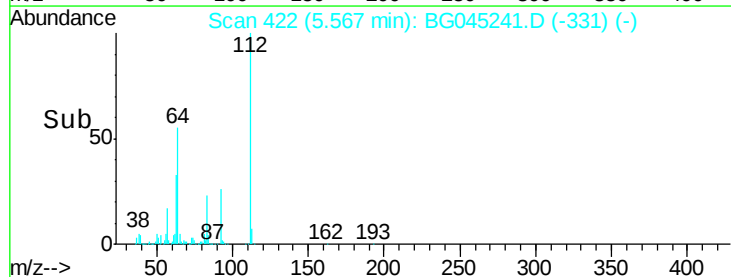
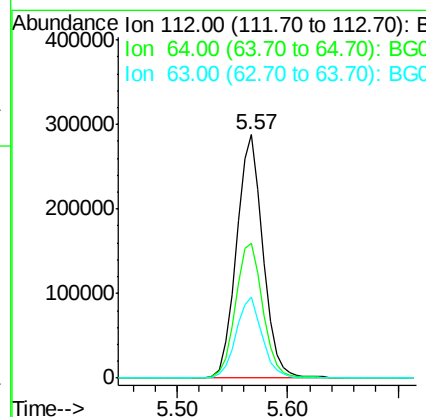
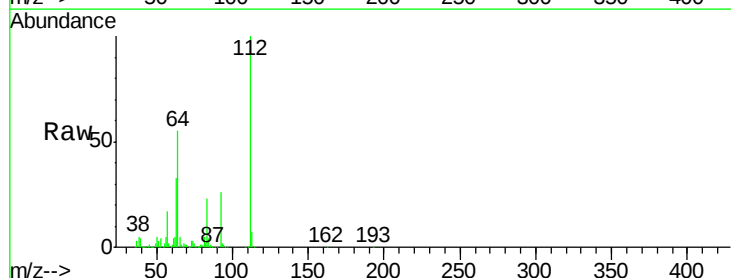
Tot Ion:152 Resp: 85698
 Ion Ratio Lower Upper
 152 100
 150 166.7 123.6 185.4
 115 65.6 49.1 73.7

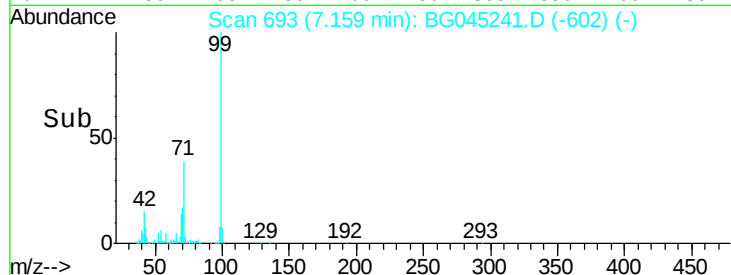
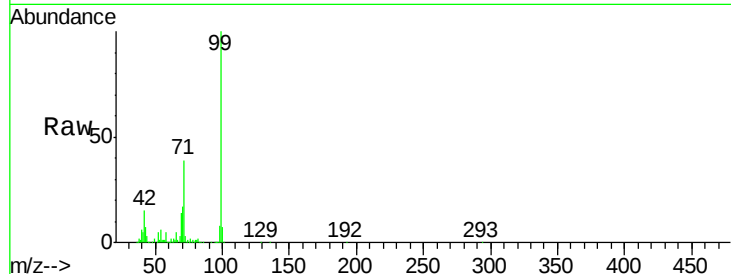
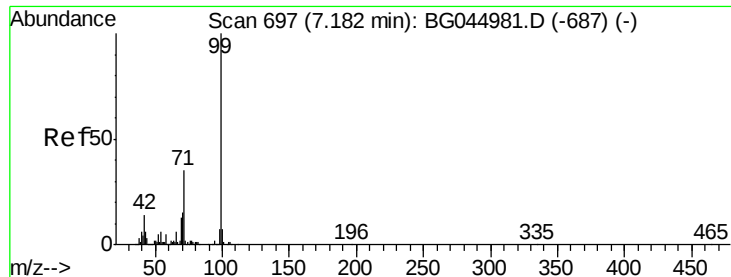


#5

2-Fluorophenol
 Concen: 93.531 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: BG045241.D
 Acq: 4 May 2020 19:53

Tgt Ion:112 Resp: 485506
 Ion Ratio Lower Upper
 112 100
 64 55.4 42.4 63.6
 63 33.2 23.1 34.7





#7

Phenol-d6

Concen: 93.937 ng

RT: 7.16 min Scan# 693

Delta R.T. 0.01 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FK-GF-03-008-B

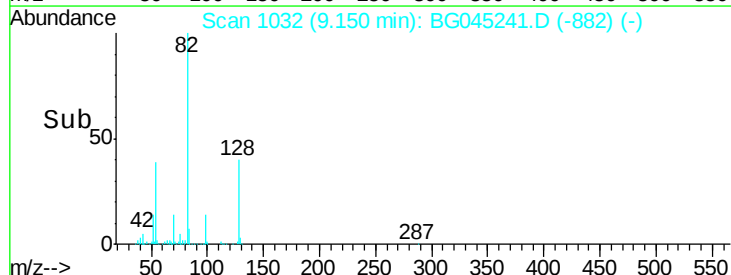
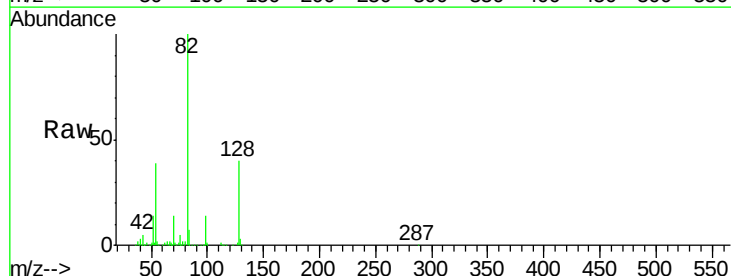
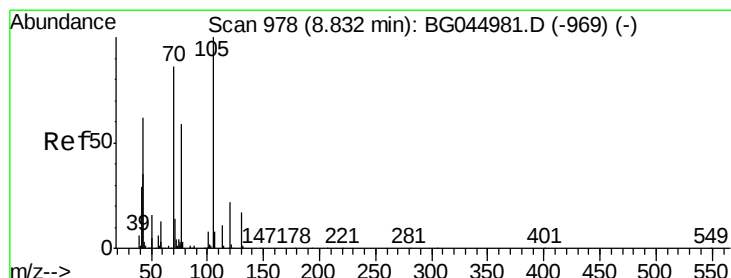
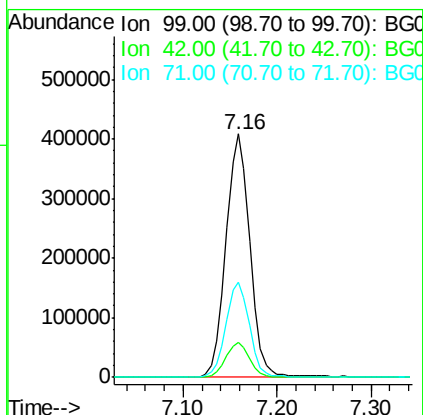
Tot Ion: 99 Resp: 724469

Ion Ratio Lower Upper

99 100

42 14.5 11.3 16.9

71 38.8 28.3 42.5



#19

n-Nitroso-di-n-propylamine

Concen: 11.997 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.35 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Tgt Ion: 70 Resp: 65435

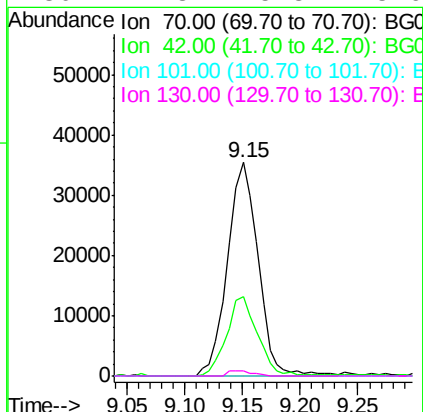
Ion Ratio Lower Upper

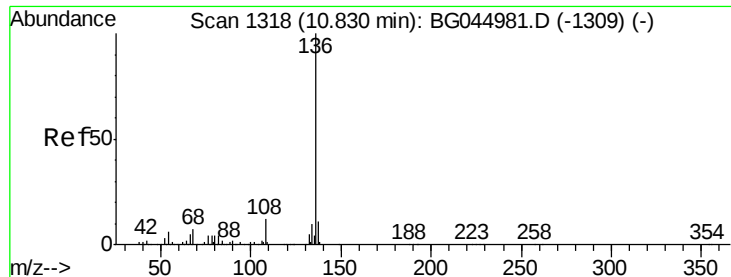
70 100

42 37.4 33.3 49.9

101 0.0 7.8 11.8#

130 2.3 15.8 23.6#

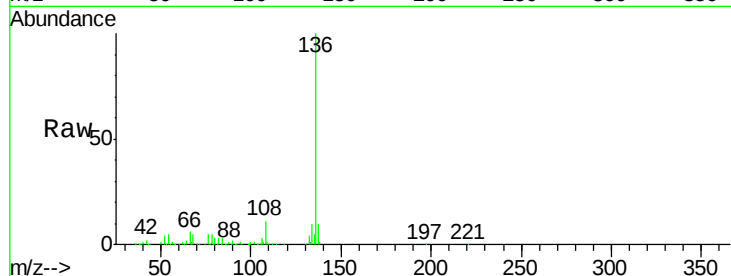




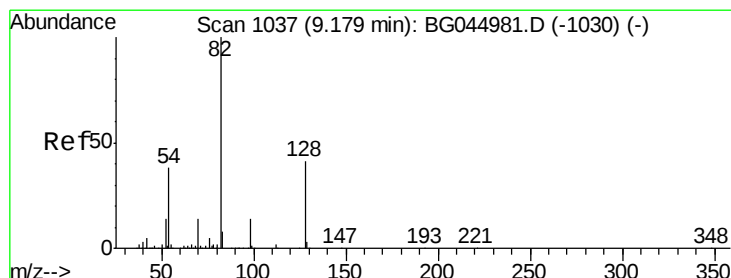
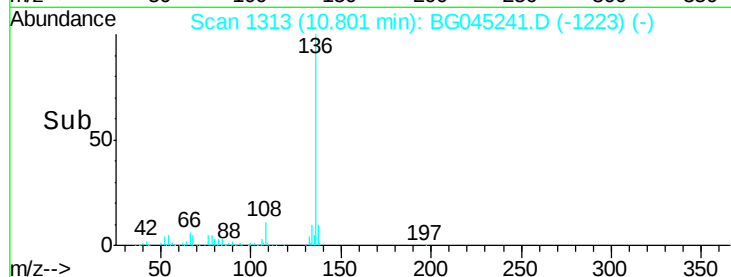
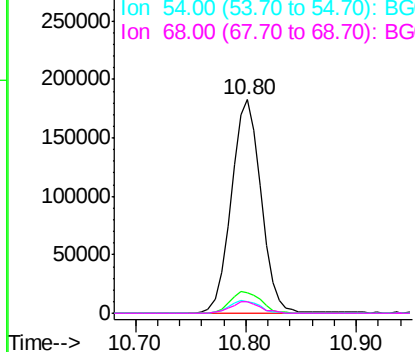
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. 0.00 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

Instrument :
BNA_G
ClientSampleId :
FK-GF-03-008-B

Tot Ion:136	Resp:	346582
Ion Ratio	Lower	Upper
136 100		
137 9.7	8.6	13.0
54 5.1	4.8	7.2
68 5.3	5.2	7.8

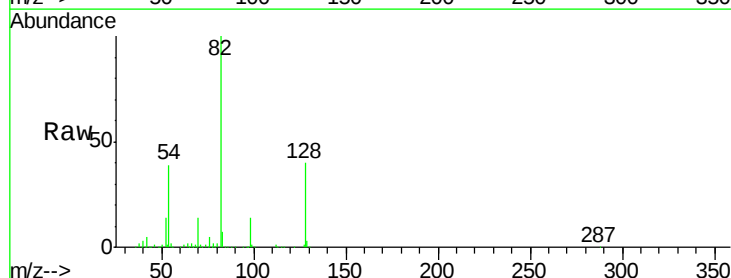


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

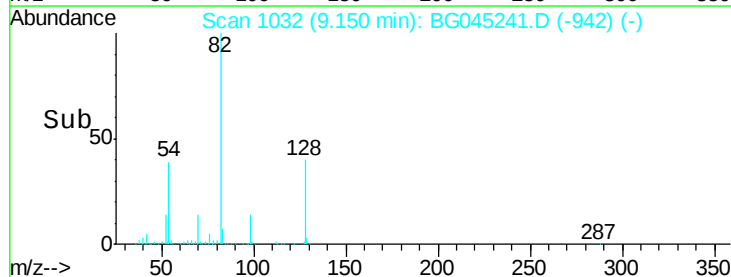
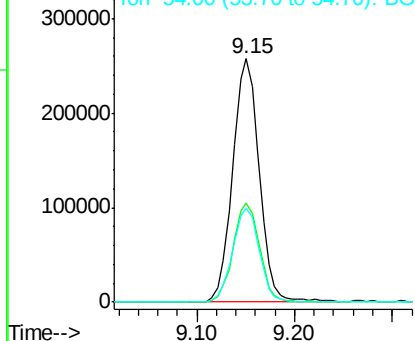


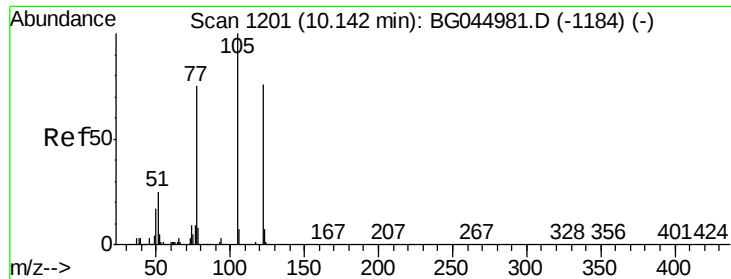
#23
Nitrobenzene-d5
Concen: 64.194 ng
RT: 9.15 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

Tgt Ion: 82	Resp: 487599
Ion Ratio	Lower Upper
82 100	
128 40.5	33.0 49.4
54 38.5	30.4 45.6



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

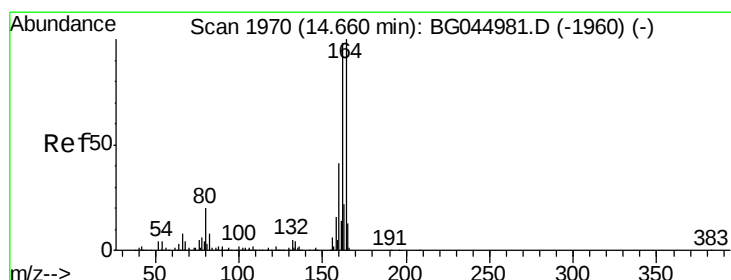
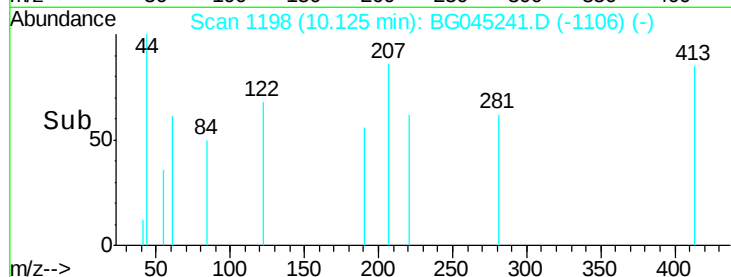
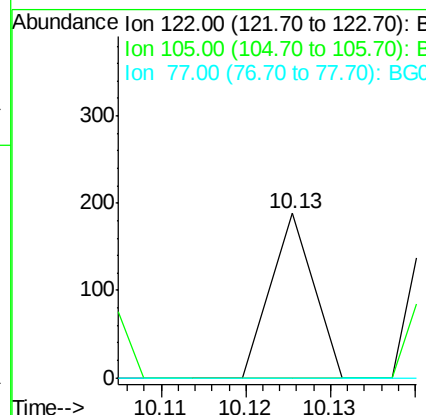
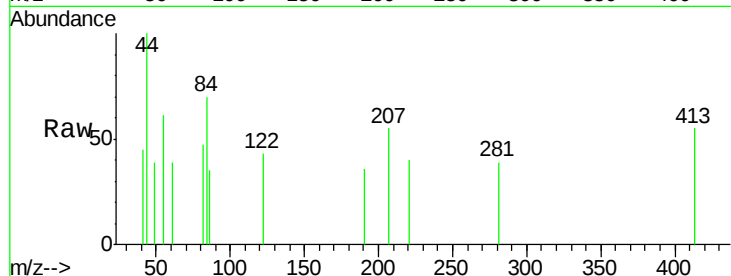




#32
Benzoic acid
Concen: 6.387 ng
RT: 10.13 min Scan# 1198
Delta R.T. 0.01 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

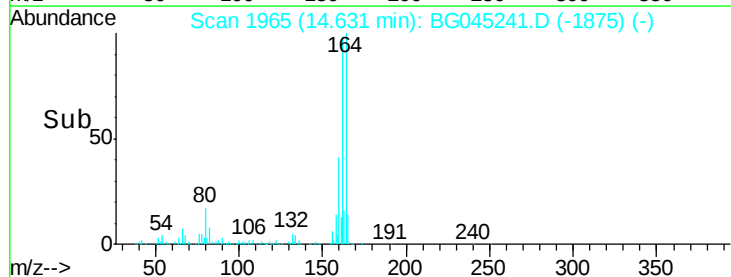
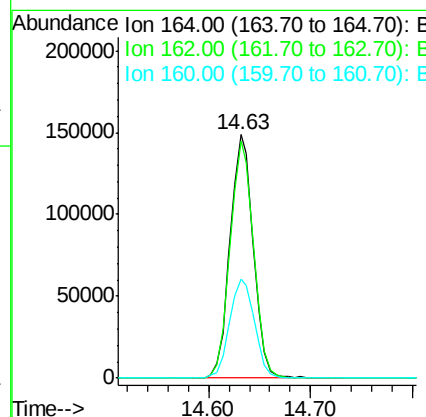
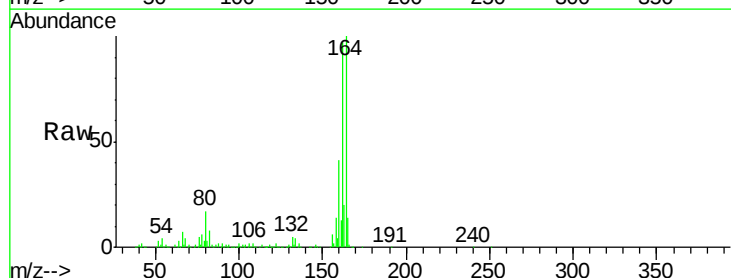
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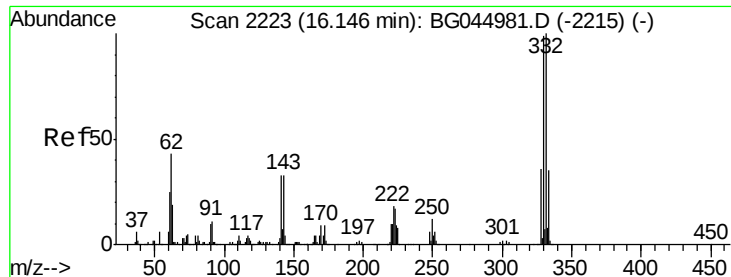
Tot Ion:122 Resp: 66
Ion Ratio Lower Upper
122 100
105 0.0 108.4 148.4#
77 0.0 78.8 118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

Tgt Ion:164 Resp: 236087
Ion Ratio Lower Upper
164 100
162 97.4 78.7 118.1
160 40.7 32.8 49.2

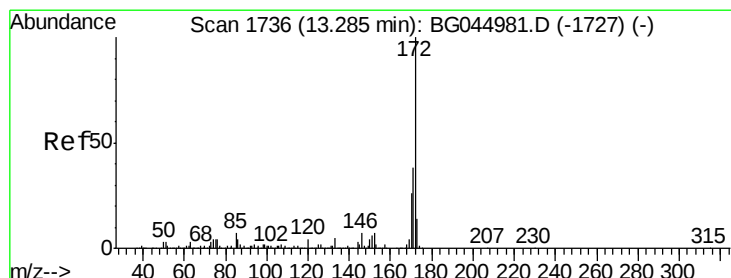
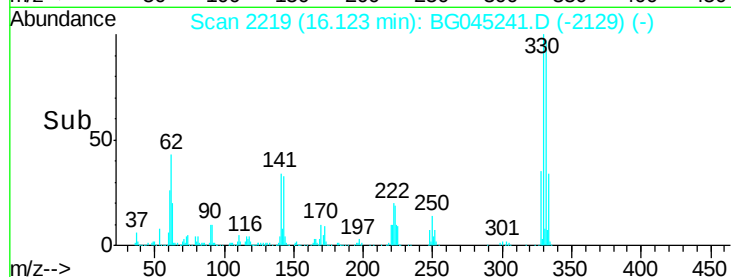
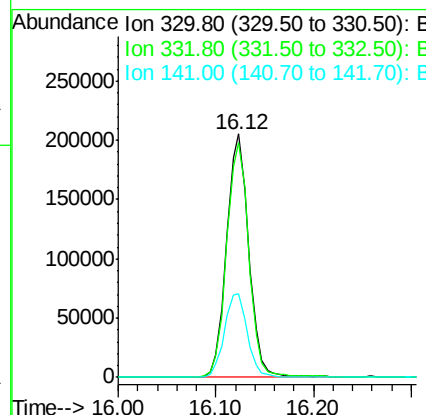
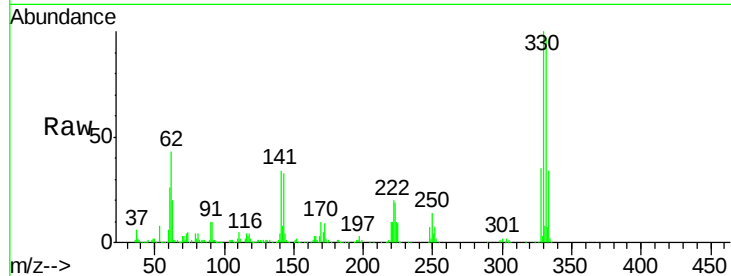




#42
 2,4,6-Tribromophenol
 Concen: 89.059 ng
 RT: 16.12 min Scan# 2219
 Delta R.T. 0.00 min
 Lab File: BG045241.D
 Acq: 4 May 2020 19:53

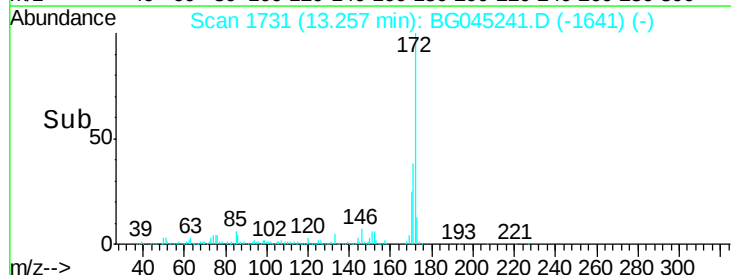
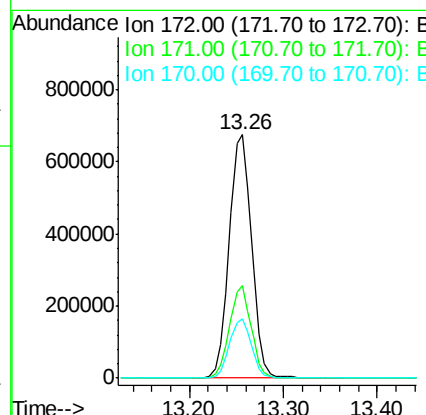
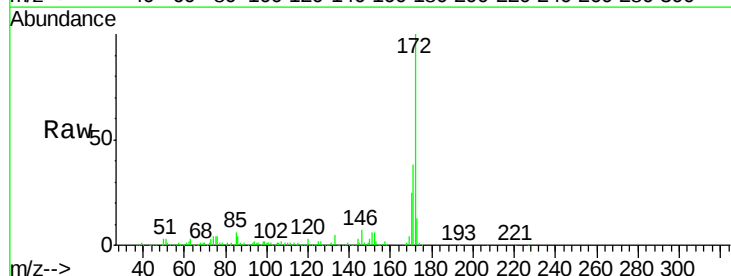
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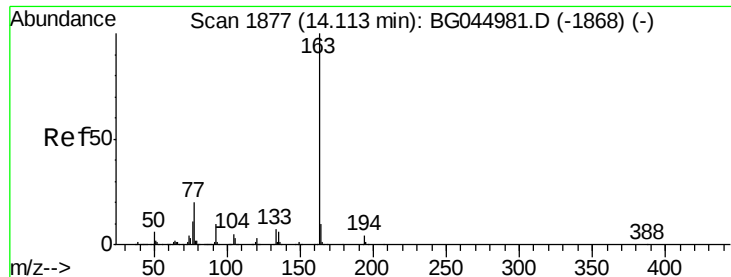
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.1	118.7
141	35.3	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 69.664 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: BG045241.D
 Acq: 4 May 2020 19:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	30.6	46.0
170	24.6	20.5	30.7

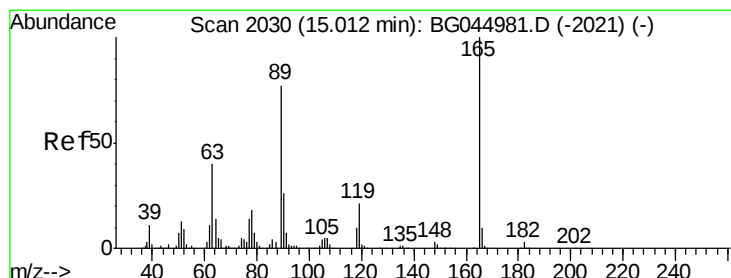
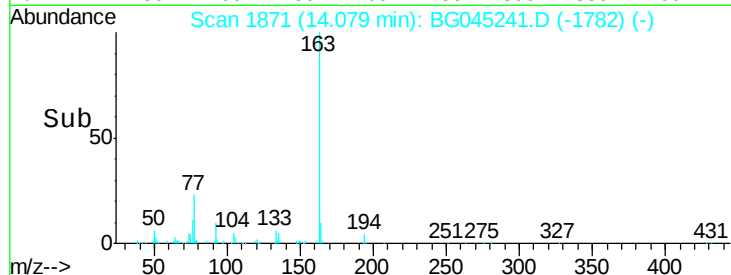
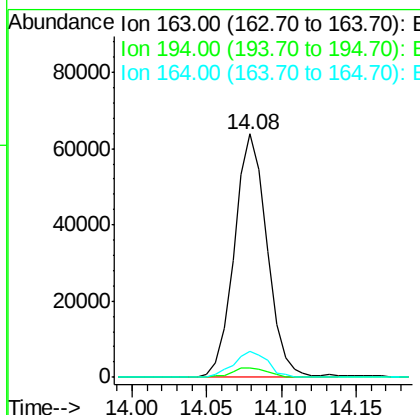
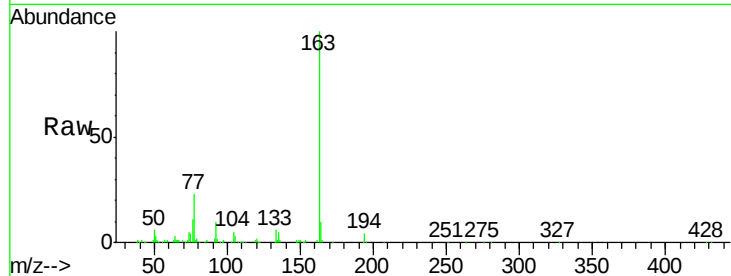




#50
Dimethylphthalate
Concen: 5.077 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

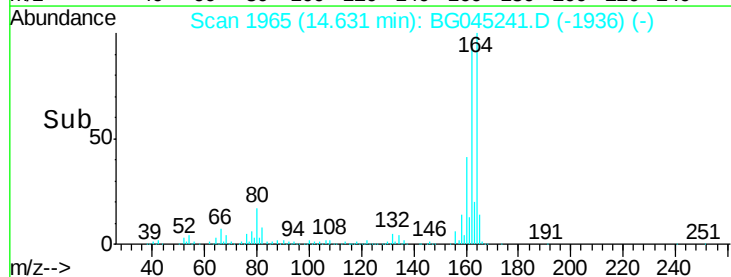
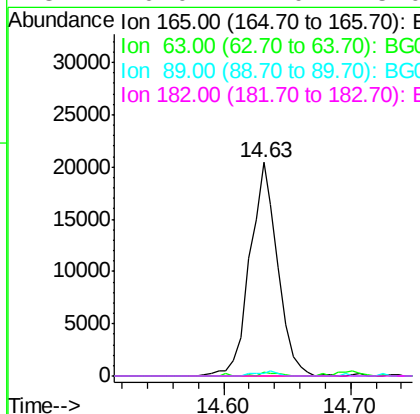
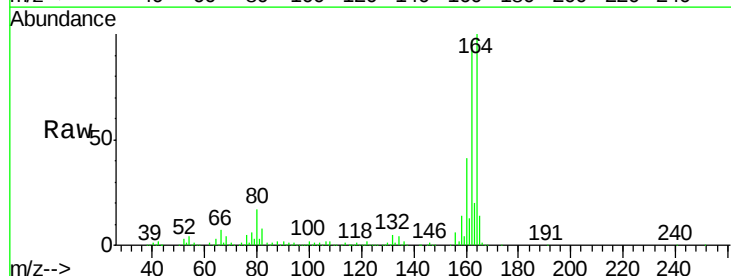
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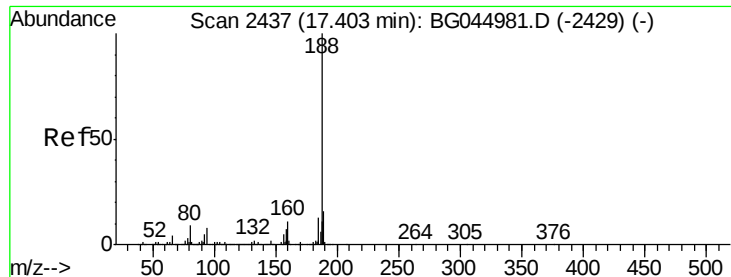
Tot Ion:163 Resp: 97591
Ion Ratio Lower Upper
163 100
194 3.6 3.5 5.3
164 10.4 8.2 12.4



#57
2,4-Dinitrotoluene
Concen: 4.966 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.36 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

Tgt Ion:165 Resp: 31204
Ion Ratio Lower Upper
165 100
63 1.5 32.2 48.2#
89 1.3 61.7 92.5#
182 0.0 2.0 3.0#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. 0.00 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FK-GF-03-008-B

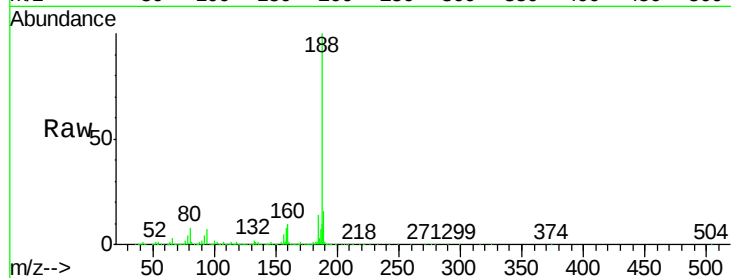
Tot Ion:188 Resp: 478483

Ion Ratio Lower Upper

188 100

94 7.5 6.2 9.4

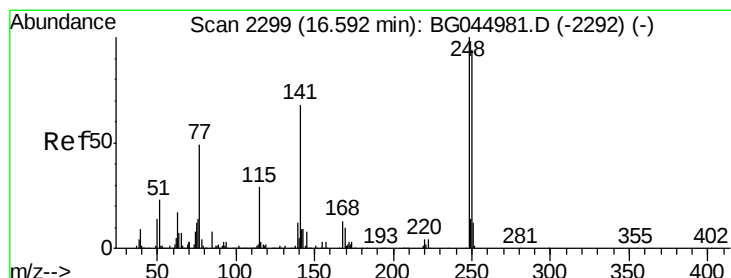
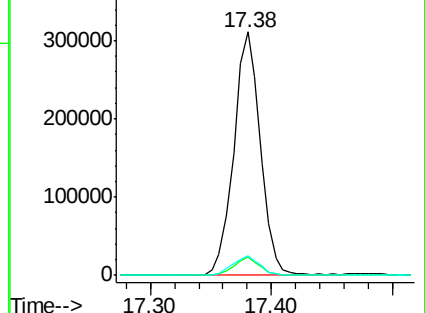
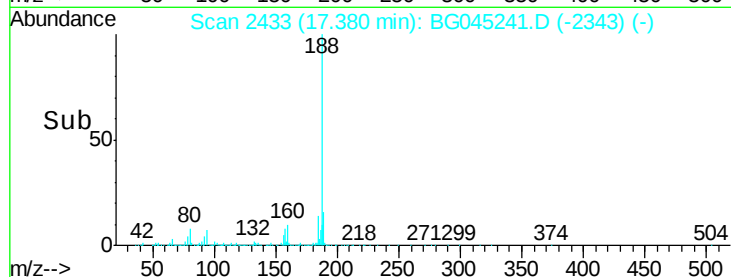
80 8.0 7.0 10.6



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: 3.467 ng

RT: 16.12 min Scan# 2219

Delta R.T. -0.45 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

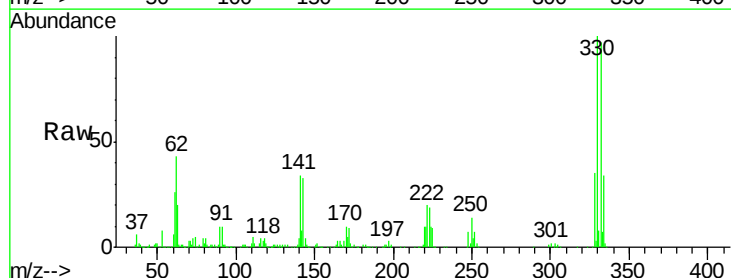
Tgt Ion:248 Resp: 21402

Ion Ratio Lower Upper

248 100

250 210.1 75.4 113.2#

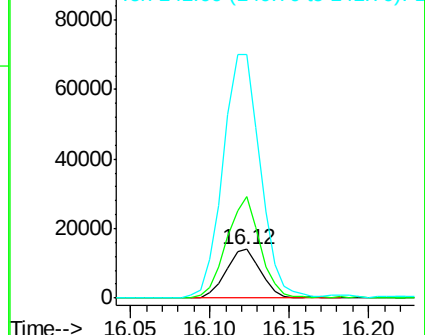
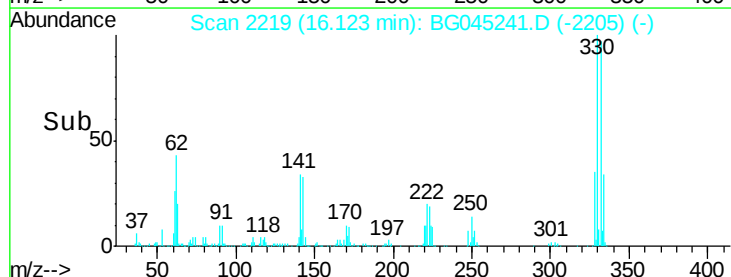
141 501.2 54.4 81.6#

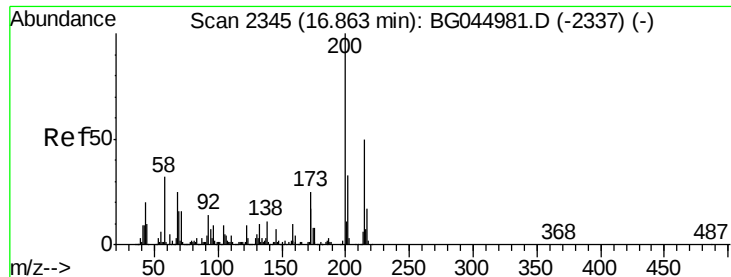


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.82 min Scan# 2338

Delta R.T. -0.02 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FK-GF-03-008-B

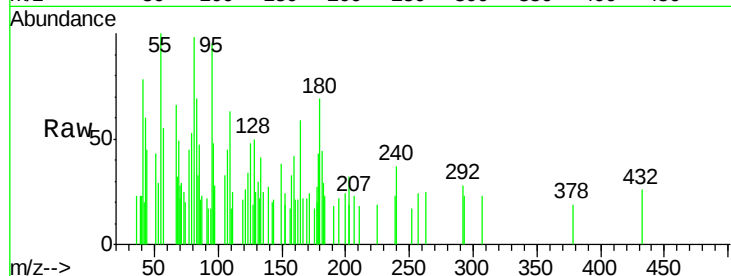
Tot Ion:200 Resp: 76

Ion Ratio Lower Upper

200 100

173 0.0 4.5 44.5#

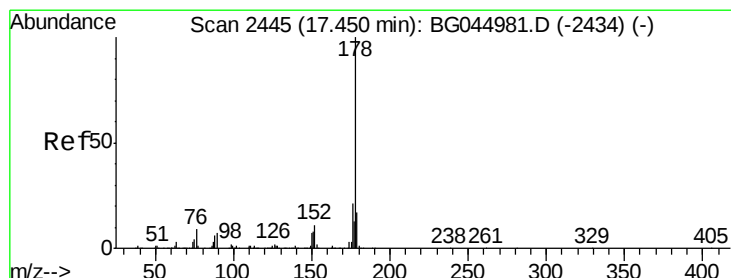
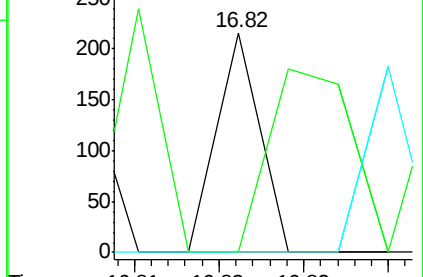
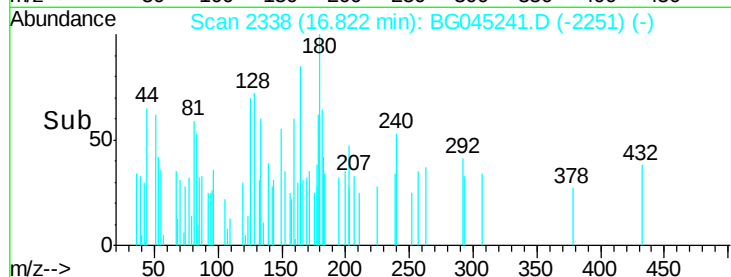
215 0.0 30.0 70.0#



Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E



#71

Phenanthrene

Concen: 4.279 ng

RT: 17.42 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

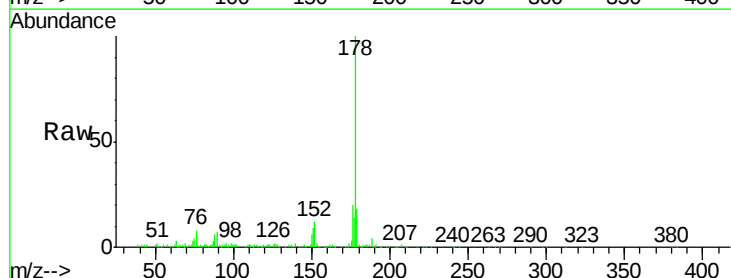
Tgt Ion:178 Resp: 105203

Ion Ratio Lower Upper

178 100

176 20.2 16.8 25.2

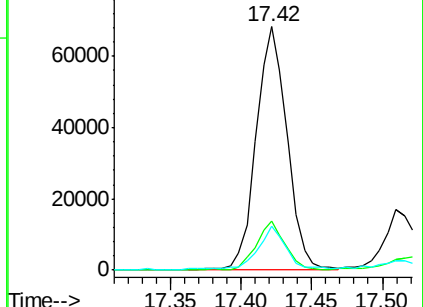
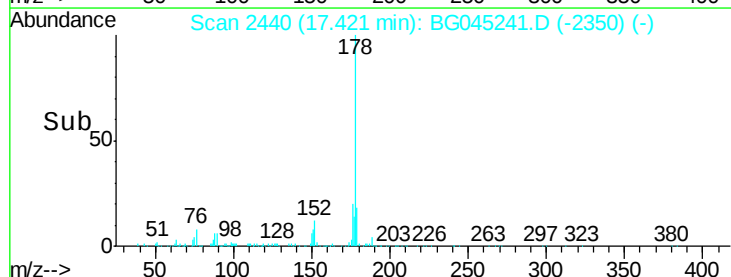
179 18.2 13.2 19.8

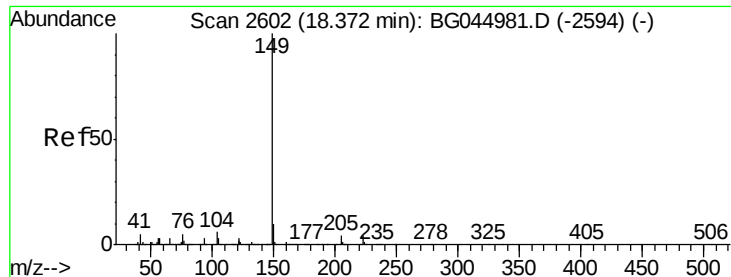


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. 0.00 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FK-GF-03-008-B

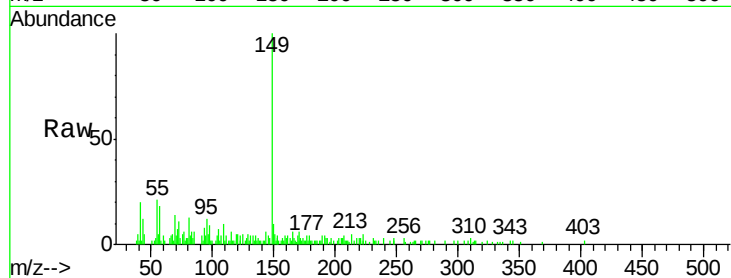
Tot Ion:149 Resp: 13826

Ion Ratio Lower Upper

149 100

150 9.5 8.2 12.2

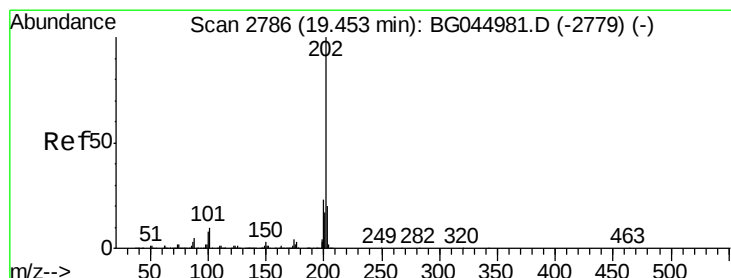
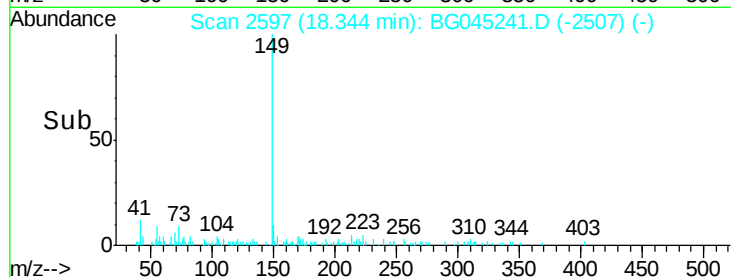
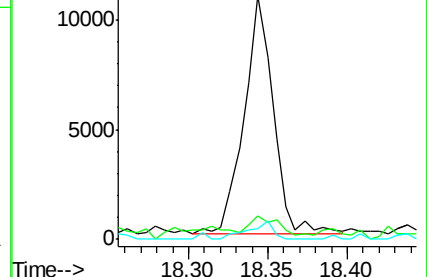
104 4.4 4.8 7.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#75

Fluoranthene

Concen: 3.652 ng

RT: 19.43 min Scan# 2782

Delta R.T. -0.01 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

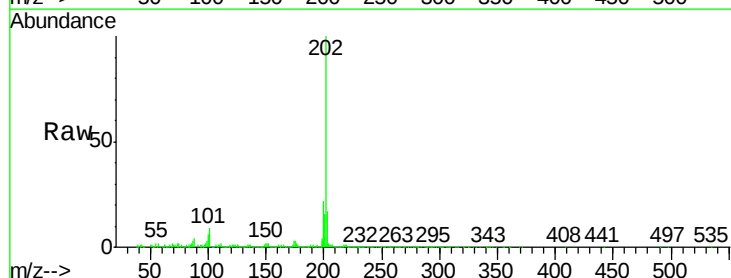
Tgt Ion:202 Resp: 269382

Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.6

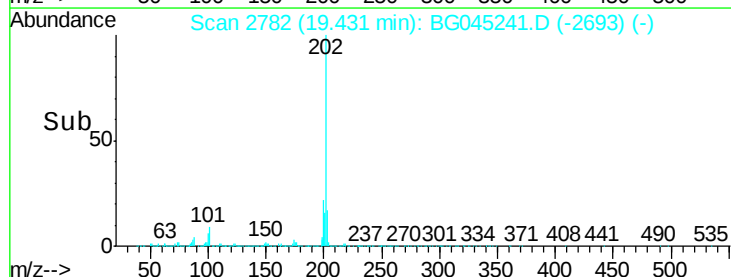
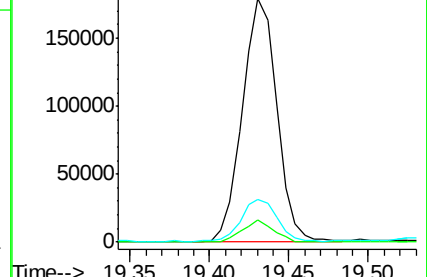
203 17.4 0.0 39.7

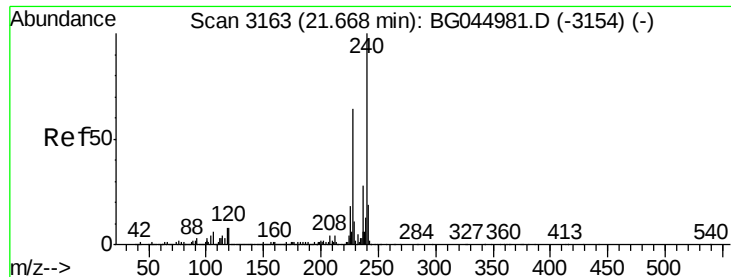


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.65 min Scan# 3159

Delta R.T. 0.00 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FK-GF-03-008-B

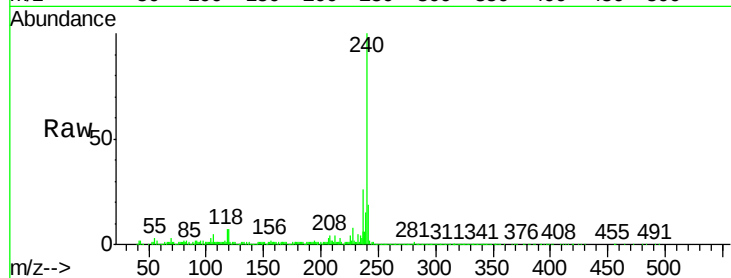
Tot Ion:240 Resp: 409431

Ion Ratio Lower Upper

240 100

120 7.3 6.6 10.0

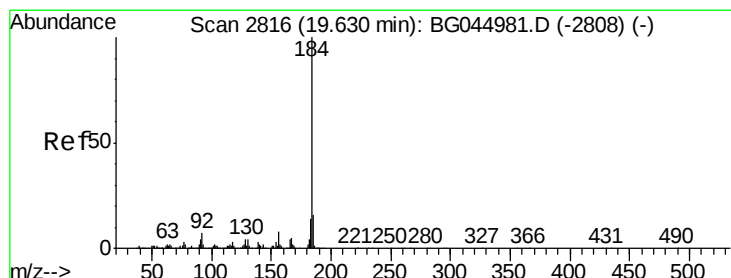
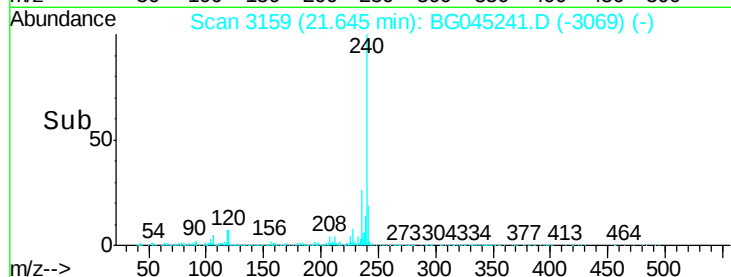
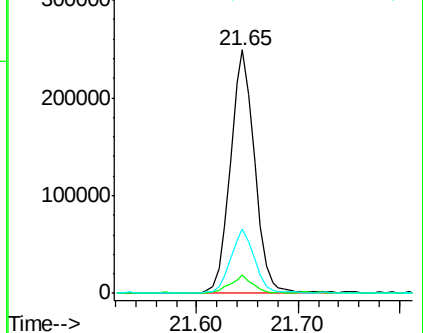
236 26.5 22.2 33.2



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: Below Cal

RT: 19.99 min Scan# 2878

Delta R.T. 0.39 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

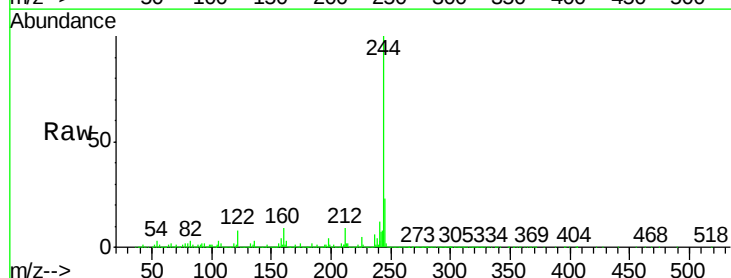
Tgt Ion:184 Resp: 28773

Ion Ratio Lower Upper

184 100

185 20.3 12.6 19.0#

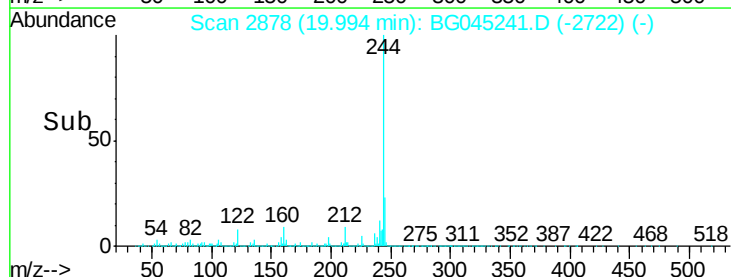
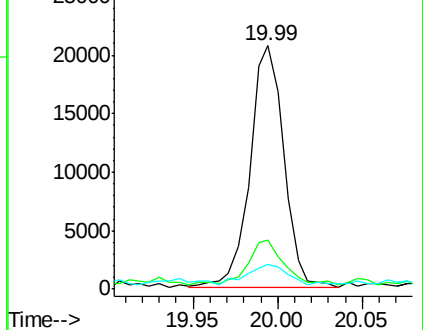
183 10.3 11.3 16.9#

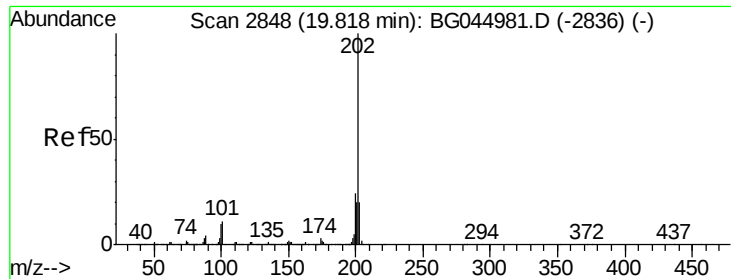


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

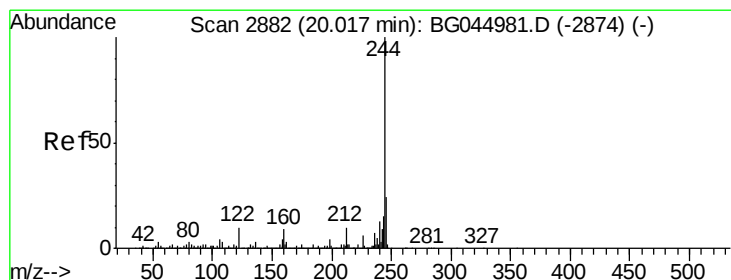
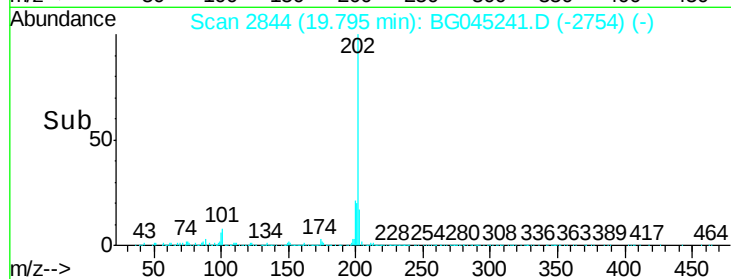
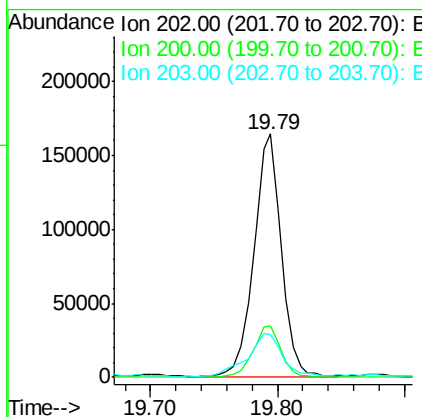
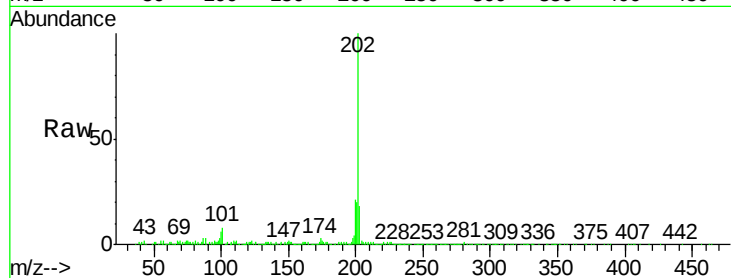




#78
Pvrene
Concen: 8.748 ng
RT: 19.79 min Scan# 2844
Delta R.T. 0.00 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

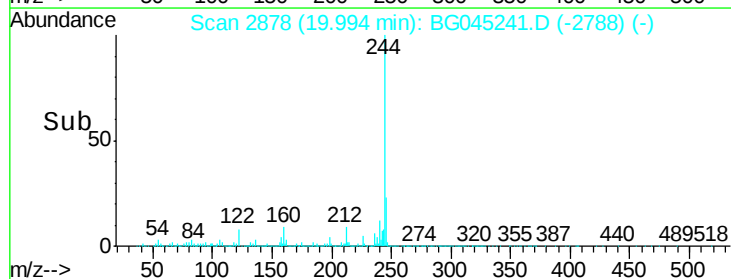
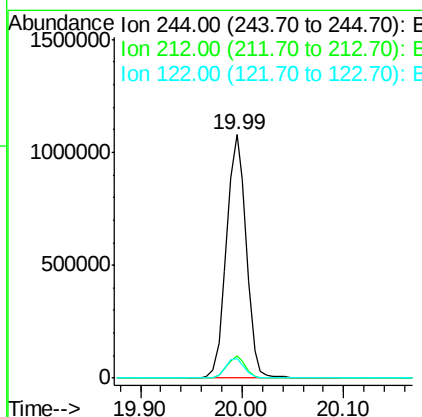
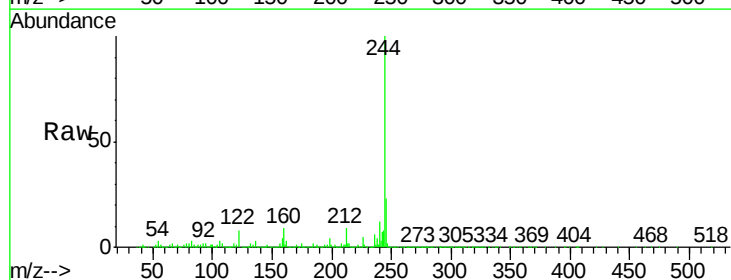
Instrument :
BNA_G
ClientSampleId :
FK-GF-03-008-B

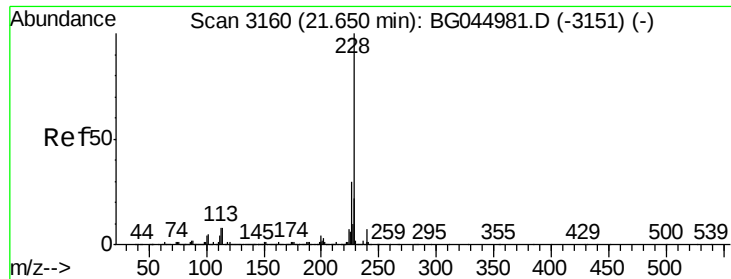
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	19.0	28.6
203	17.7	16.1	24.1



#79
Terphenyl-d14
Concen: 77.743 ng
RT: 19.99 min Scan# 2878
Delta R.T. 0.00 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	9.3	7.9	11.9
122	8.1	7.7	11.5





#81

Benzo(a)anthracene

Concen: 5.184 ng

RT: 21.63 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FK-GF-03-008-B

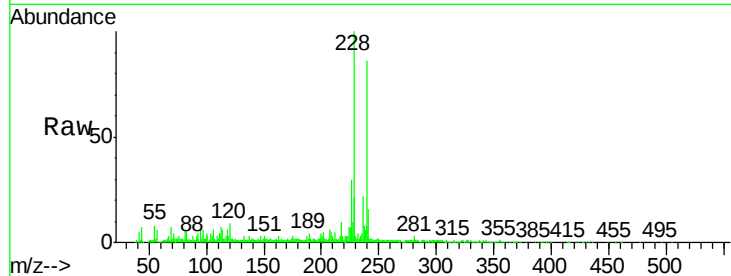
Tot Ion:228 Resp: 137579

Ion Ratio Lower Upper

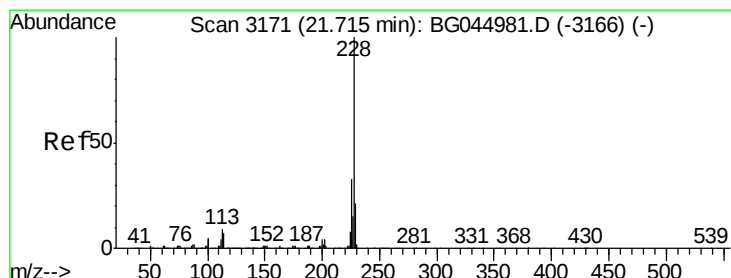
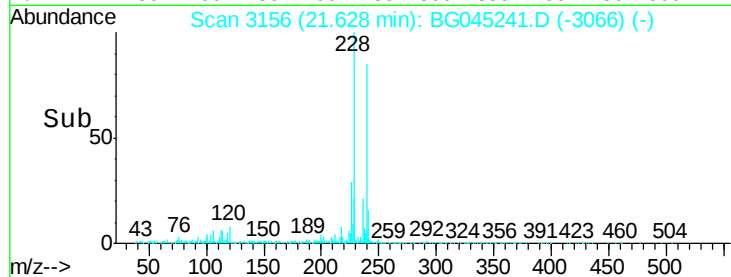
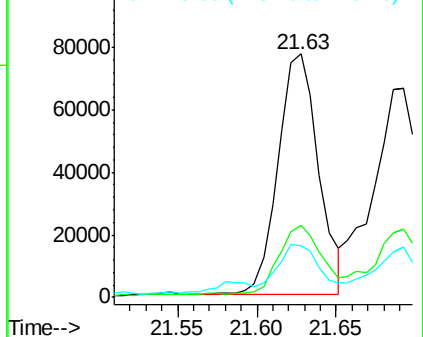
228 100

226 29.6 24.0 36.0

229 21.4 17.5 26.3



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: 5.334 ng

RT: 21.69 min Scan# 3167

Delta R.T. 0.00 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

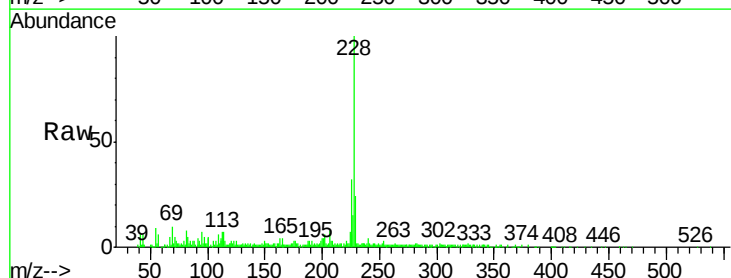
Tgt Ion:228 Resp: 136006

Ion Ratio Lower Upper

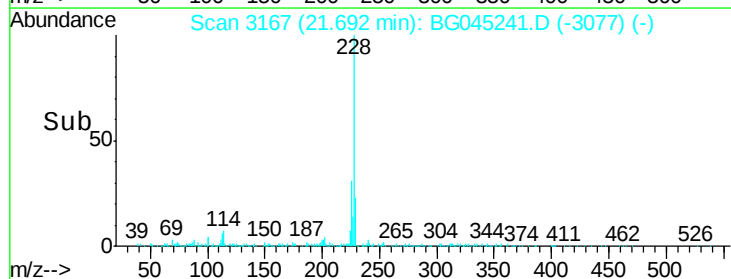
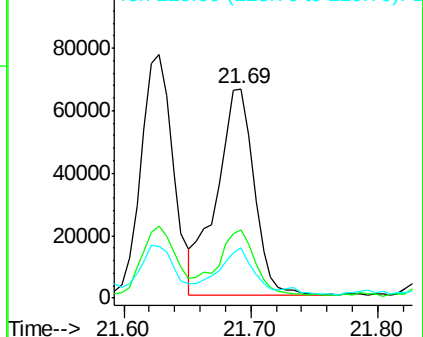
228 100

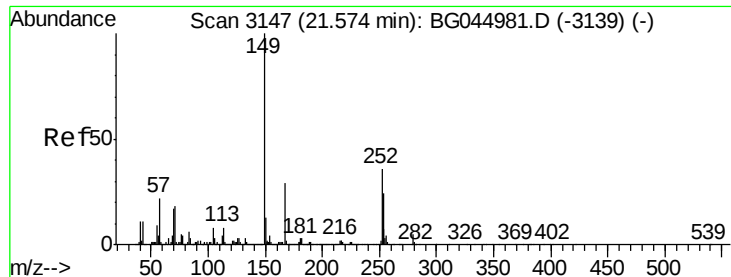
226 32.4 26.2 39.4

229 24.1 17.0 25.6



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





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.062 ng

RT: 21.55 min Scan# 3142

Delta R.T. 0.00 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

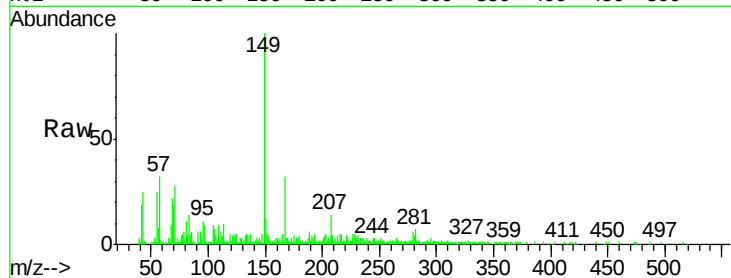
BNA_G

ClientSampleId :

FK-GF-03-008-B

Tot Ion:149 Resp: 49270

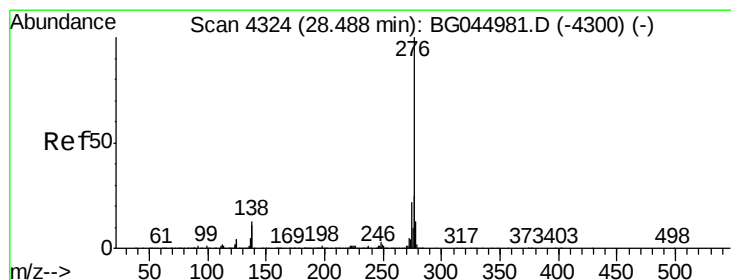
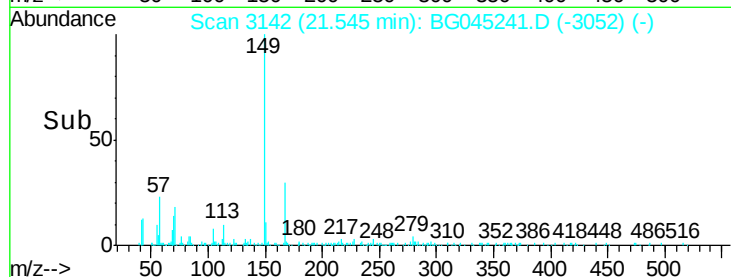
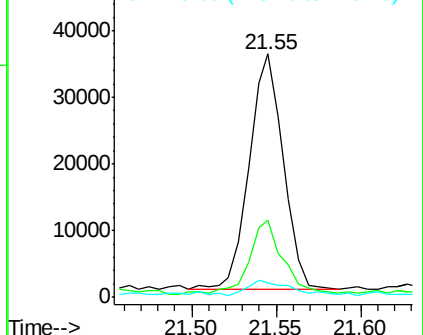
Ion	Ratio	Lower	Upper
149	100		
167	31.6	23.4	35.0
279	5.7	4.3	6.5



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 2.802 ng

RT: 28.44 min Scan# 4315

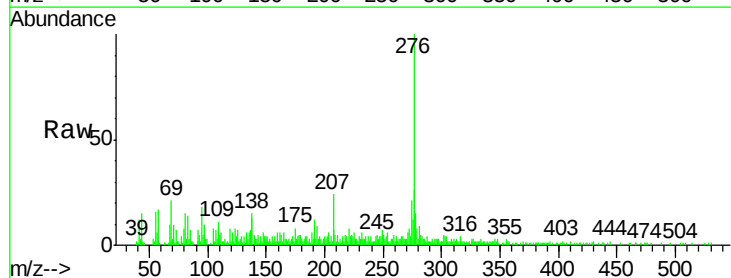
Delta R.T. 0.01 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Tgt Ion:276 Resp: 94854

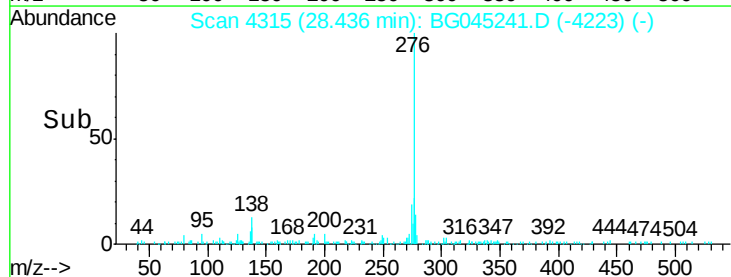
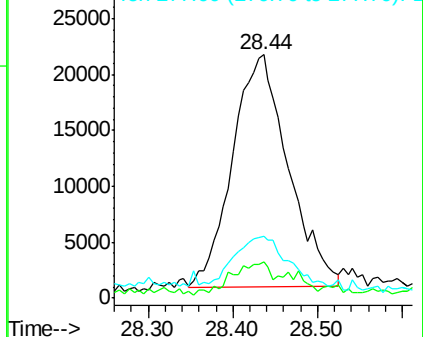
Ion	Ratio	Lower	Upper
276	100		
138	10.8	9.6	14.4
277	22.6	20.6	31.0

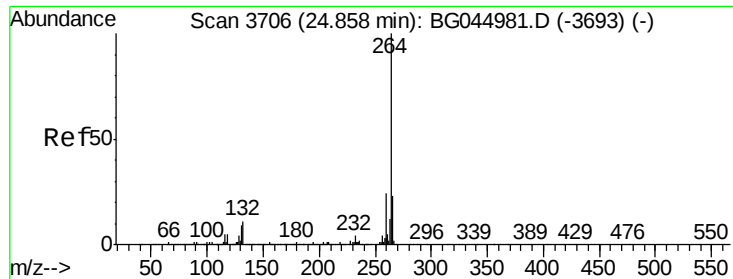


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

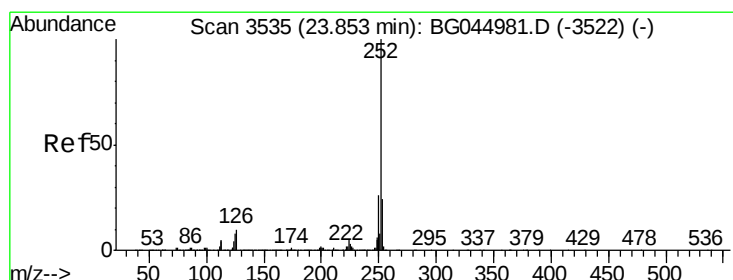
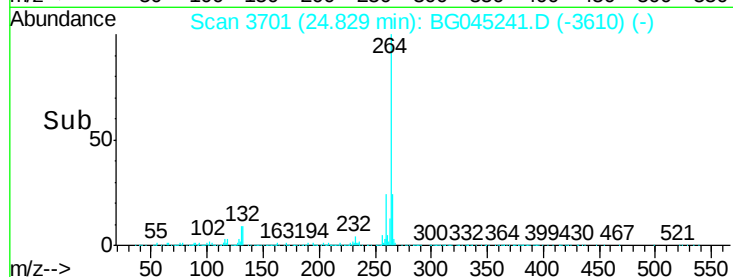
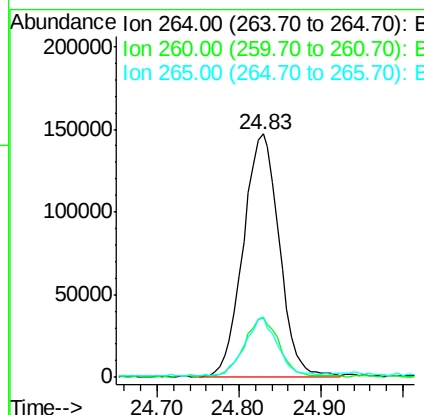
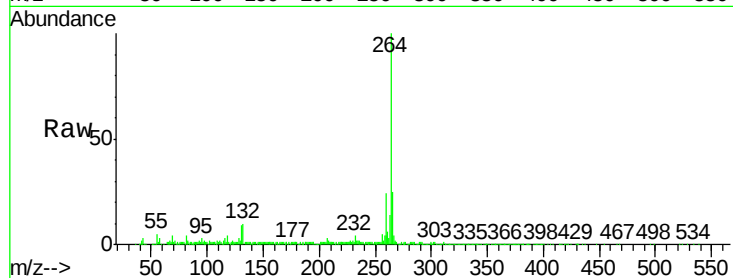




#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3701
Delta R.T. 0.01 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

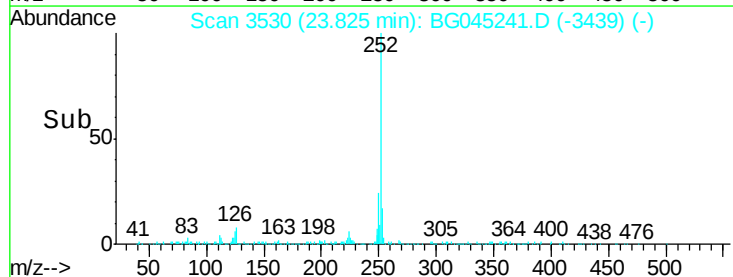
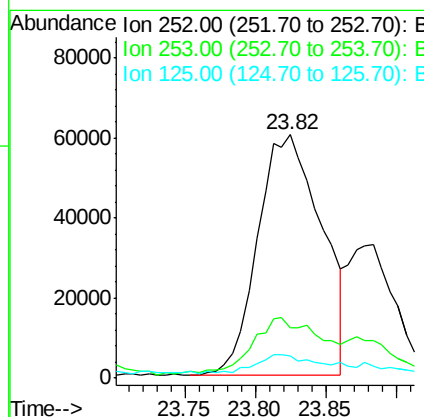
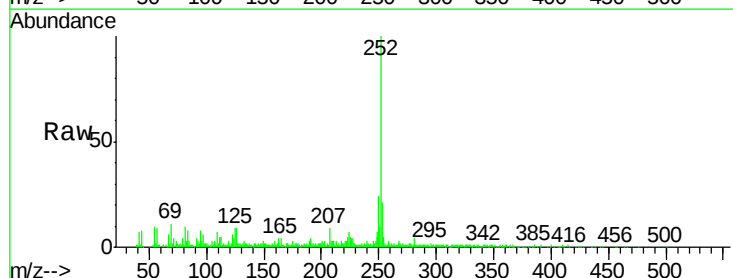
Instrument :
BNA_G
ClientSampleId :
FK-GF-03-008-B

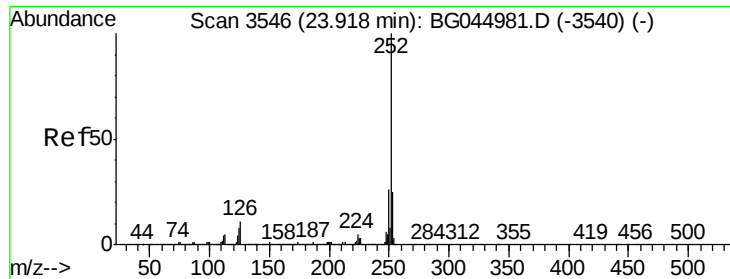
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	25.0	19.0	28.4



#88
Benzo(b)fluoranthene
Concen: 6.746 ng
RT: 23.82 min Scan# 3530
Delta R.T. 0.01 min
Lab File: BG045241.D
Acq: 4 May 2020 19:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.9	18.8	28.2
125	8.9	6.2	9.4





#89

Benzo(k)fluoranthene

Concen: 7.094 ng

RT: 23.82 min Scan# 3530

Delta R.T. -0.06 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FK-GF-03-008-B

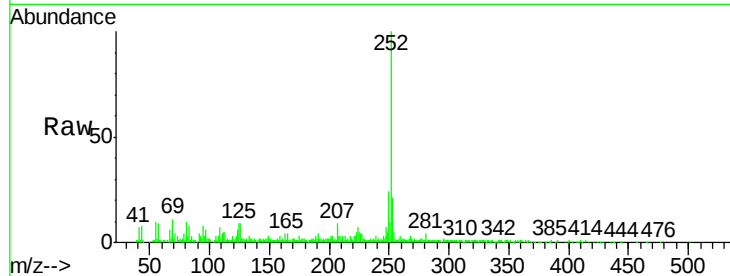
Tot Ion:252 Resp: 189501

Ion Ratio Lower Upper

252 100

253 20.9 19.2 28.8

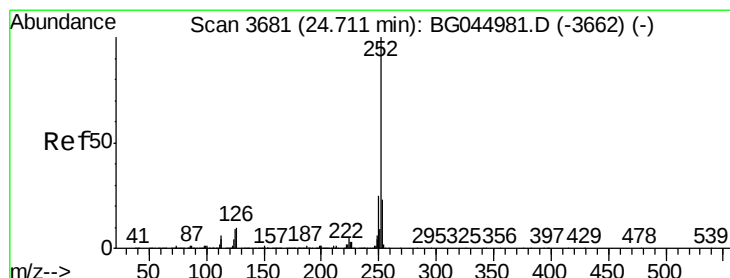
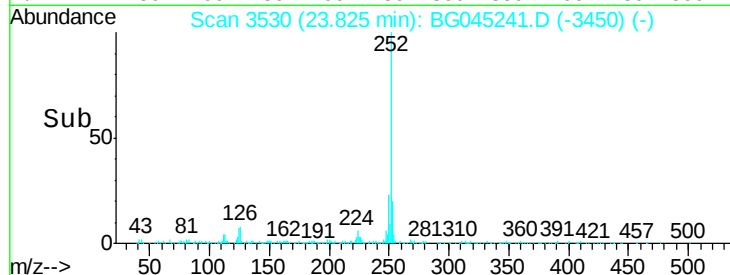
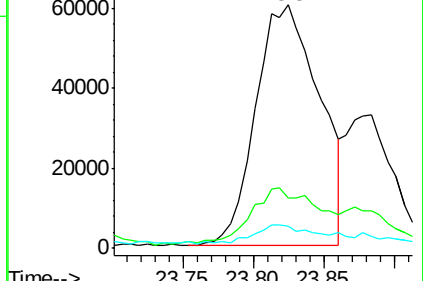
125 8.9 5.9 8.9#



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: 5.294 ng

RT: 24.67 min Scan# 3674

Delta R.T. -0.01 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

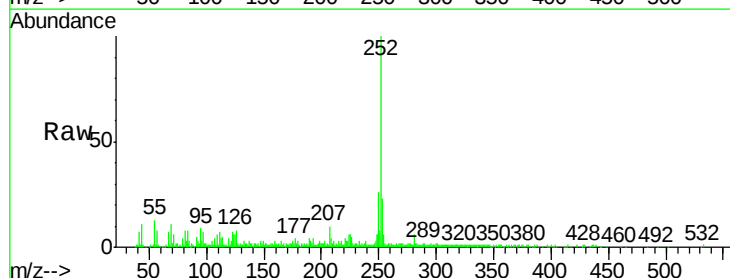
Tgt Ion:252 Resp: 140388

Ion Ratio Lower Upper

252 100

253 22.7 18.3 27.5

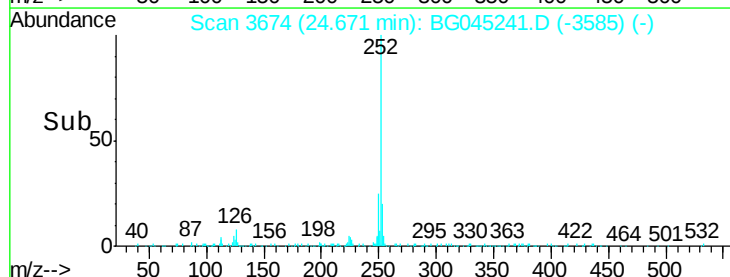
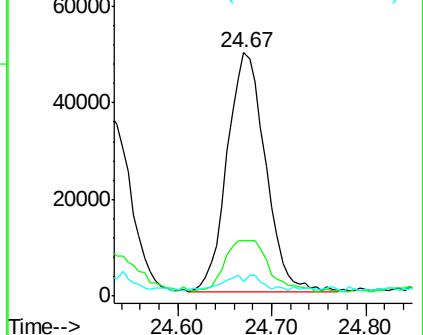
125 6.1 7.0 10.6#

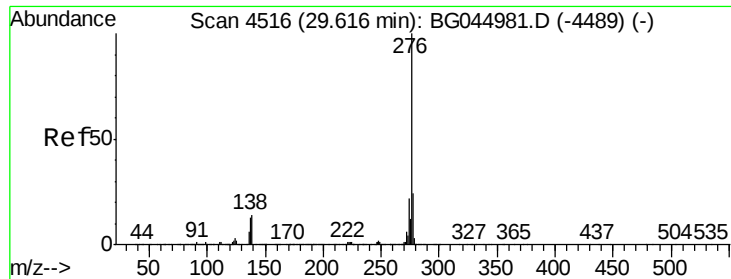


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 3.515 ng

RT: 29.56 min Scan# 4506

Delta R.T. 0.01 min

Lab File: BG045241.D

Acq: 4 May 2020 19:53

Instrument :

BNA_G

ClientSampleId :

FK-GF-03-008-B

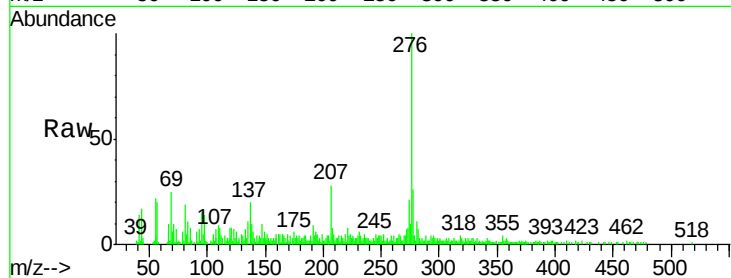
Tot Ion:276 Resp: 94163

Ion Ratio Lower Upper

276 100

277 25.7 19.3 28.9

138 9.6 11.4 17.2#



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

