

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050420\
 Data File : BG045245.D
 Acq On : 4 May 2020 22:35
 Operator : CG/JU
 Sample : L2375-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-SF-03-009-A

Quant Time: May 05 01:28:54 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	94764	20.00	ng	0.00
21) Naphthalene-d8	10.80	136	376147	20.00	ng	0.00
39) Acenaphthene-d10	14.63	164	251212	20.00	ng	0.00
64) Phenanthrene-d10	17.38	188	496395	20.00	ng	0.00
76) Chrysene-d12	21.64	240	421862	20.00	ng	0.00
87) Perylene-d12	24.83	264	466540	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.57	112	689374	120.10	ng	0.00
7) Phenol-d6	7.16	99	1000932	117.37	ng	0.01
23) Nitrobenzene-d5	9.15	82	686265	83.25	ng	0.00
42) 2,4,6-Tribromophenol	16.13	330	427647	110.19	ng	0.00
45) 2-Fluorobiphenyl	13.26	172	1512240	88.27	ng	0.00
79) Terphenyl-d14	20.00	244	1869351	96.58	ng	0.00

Target Compounds

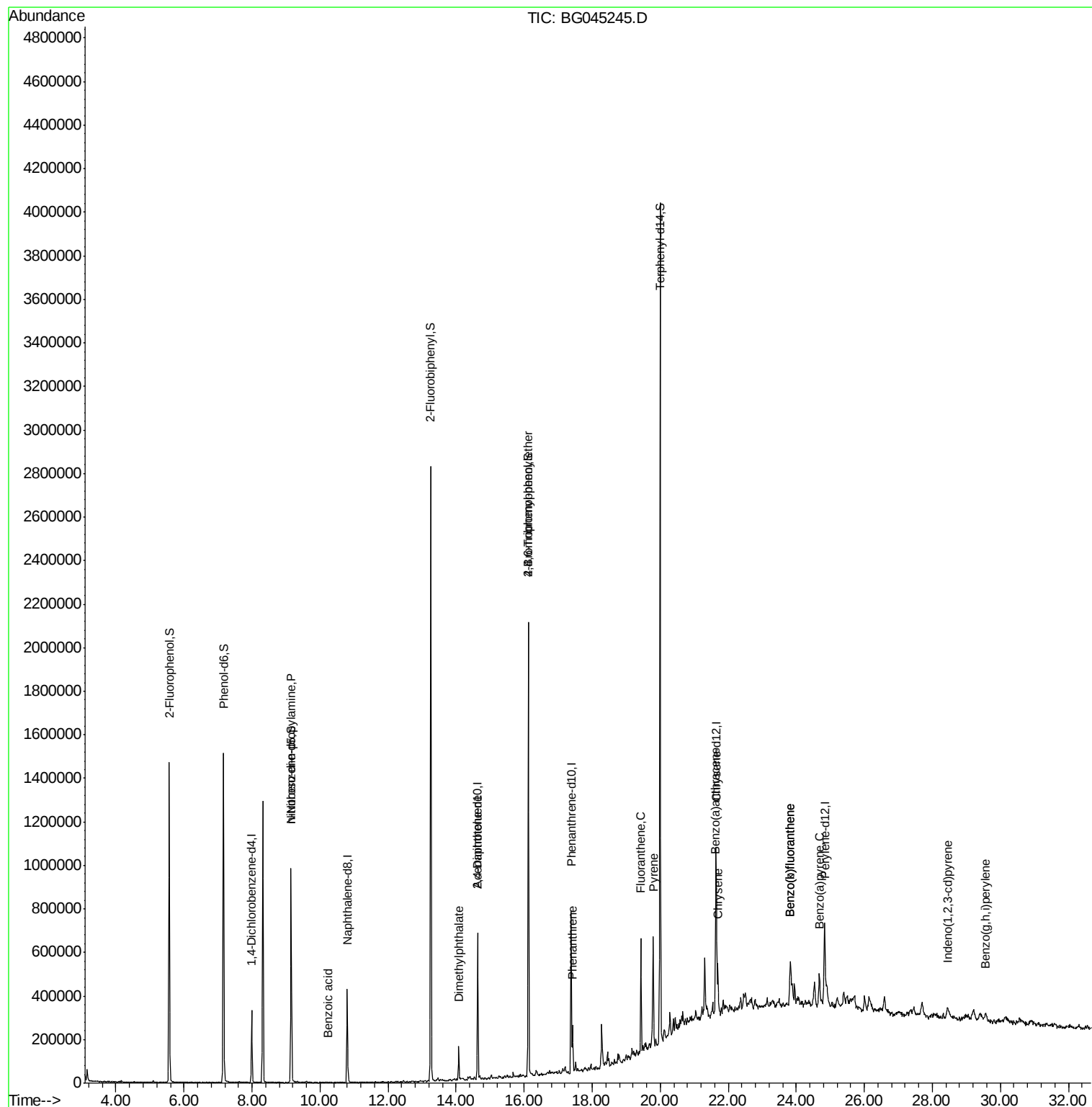
						Qvalue
9) Benzaldehyde	7.16	77	2202	Below Cal	#	4
19) n-Nitroso-di-n-propylamine	9.15	70	93642	15.526 ng	#	83
32) Benzoic acid	10.23	122	54	6.384 ng	#	1
50) Dimethylphthalate	14.08	163	104276	5.098 ng		97
57) 2,4-Dinitrotoluene	14.64	165	34300	5.130 ng	#	23
67) 4-Bromophenyl-phenylether	16.13	248	27866	4.351 ng	#	1
69) Atrazine	16.85	200	490	Below Cal	#	39
71) Phenanthrene	17.42	178	140336	5.502 ng		95
74) Di-n-butylphthalate	18.34	149	5779	Below Cal	#	87
75) Fluoranthene	19.44	202	349522	6.359 ng		95
77) Benzidine	20.00	184	39356	Below Cal	#	93
78) Pyrene	19.79	202	331041	11.382 ng		97
81) Benzo(a)anthracene	21.63	228	182674	6.681 ng		99
83) Chrysene	21.69	228	187045	7.120 ng		96
86) Indeno(1,2,3-cd)pyrene	28.44	276	101256	2.903 ng	#	91
88) Benzo(b)fluoranthene	23.82	252	270587	9.259 ng		99
89) Benzo(k)fluoranthene	23.82	252	270587	9.736 ng		99
90) Benzo(a)pyrene	24.68	252	171190	6.204 ng		98
92) Benzo(a,h,i)perylene	29.56	276	86537	3.105 ng		96

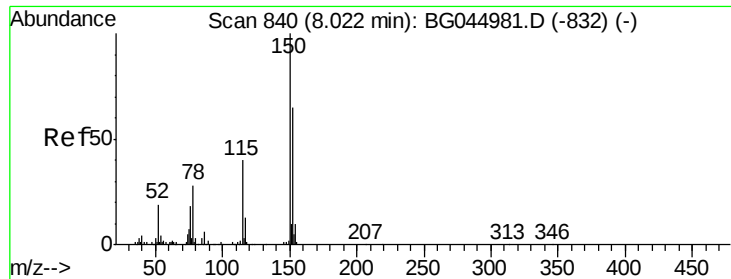
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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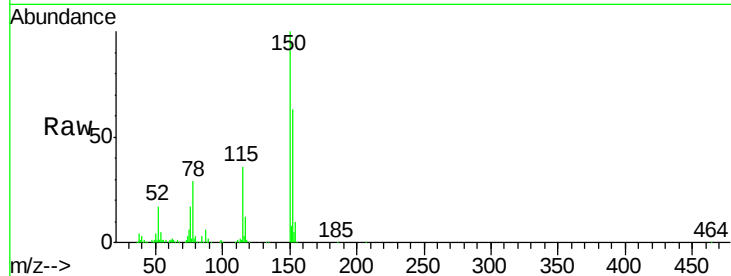


#1

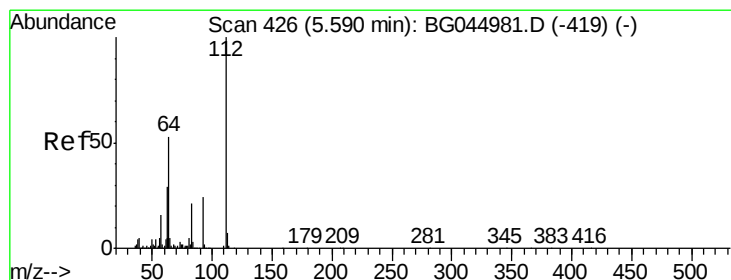
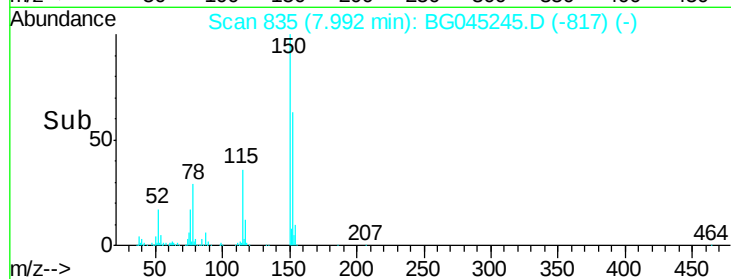
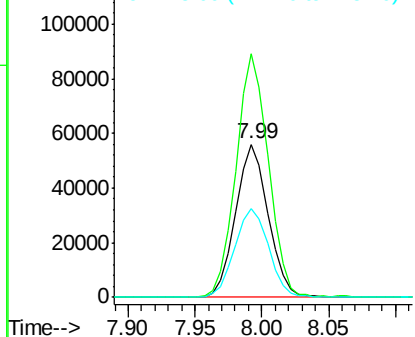
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.99 min Scan# 835
 Delta R.T. 0.01 min
 Lab File: BG045245.D
 Acq: 4 May 2020 22:35

Instrument :
 BNA_G
 ClientSampleId :
 FK-SF-03-009-A

Tot Ion:152 Resp: 94764
 Ion Ratio Lower Upper
 152 100
 150 159.1 123.6 185.4
 115 57.8 49.1 73.7



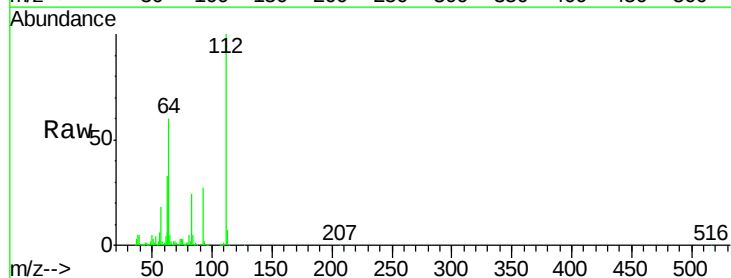
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



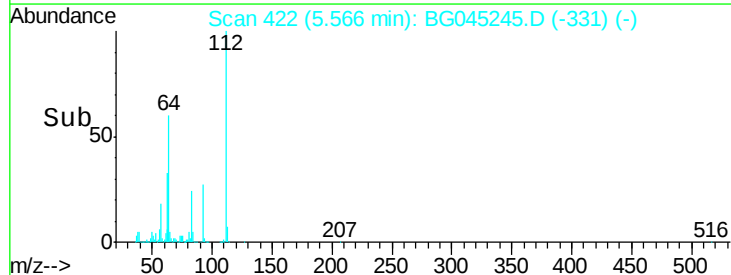
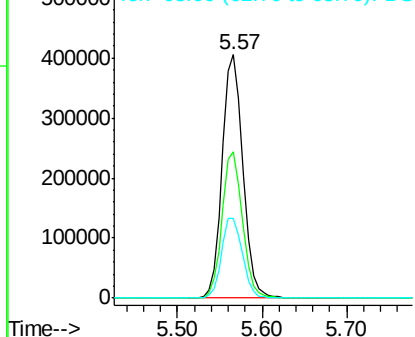
#5

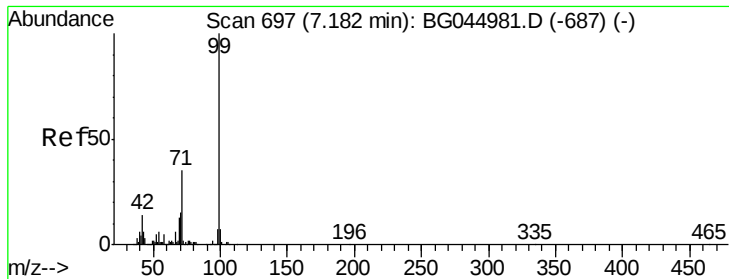
2-Fluorophenol
 Concen: 120.100 ng
 RT: 5.57 min Scan# 422
 Delta R.T. 0.01 min
 Lab File: BG045245.D
 Acq: 4 May 2020 22:35

Tgt Ion:112 Resp: 689374
 Ion Ratio Lower Upper
 112 100
 64 60.3 42.4 63.6
 63 32.7 23.1 34.7



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





#7

Phenol-d6

Concen: 117.368 ng

RT: 7.16 min Scan# 694

Delta R.T. 0.01 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-009-A

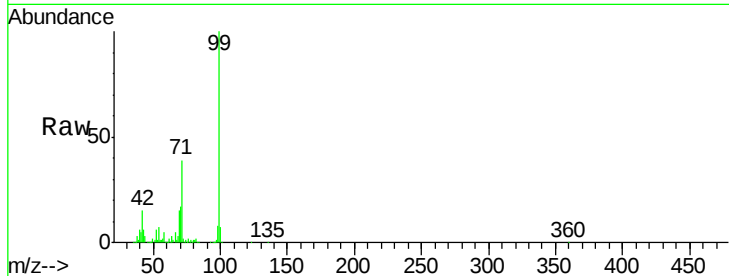
Tot Ion: 99 Resp: 1000932

Ion Ratio Lower Upper

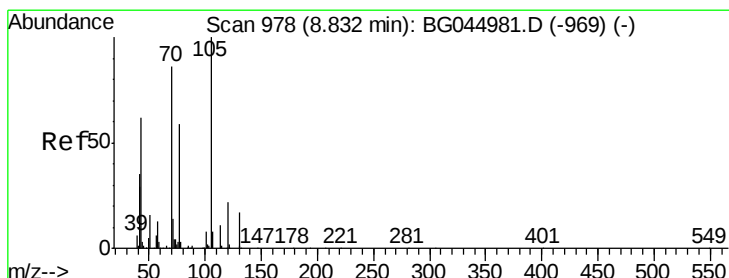
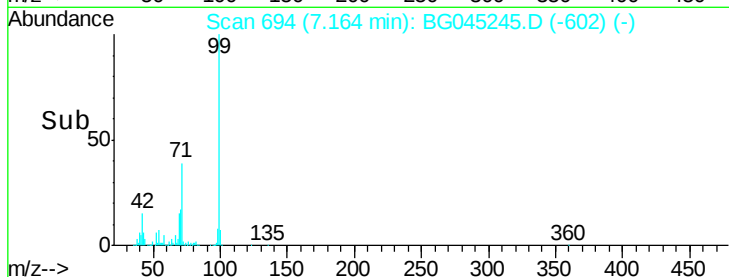
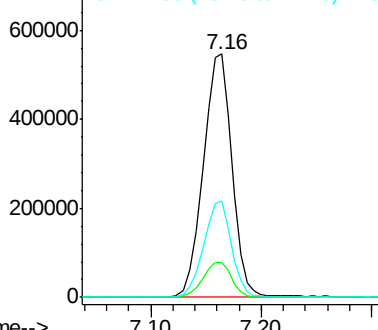
99 100

42 14.6 11.3 16.9

71 39.4 28.3 42.5



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: 15.526 ng

RT: 9.15 min Scan# 1032

Delta R.T. 0.35 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Tgt Ion: 70 Resp: 93642

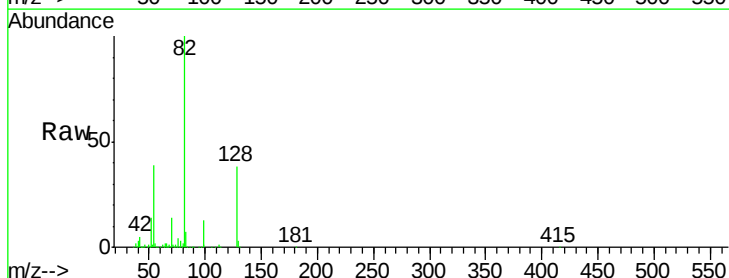
Ion Ratio Lower Upper

70 100

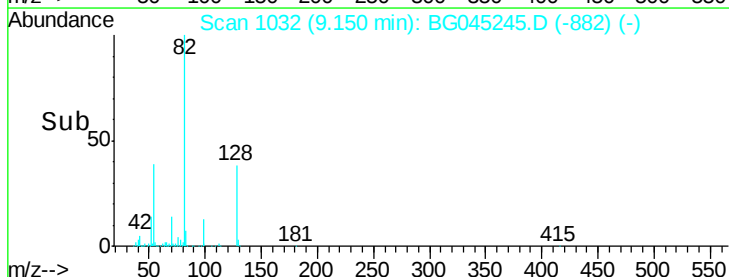
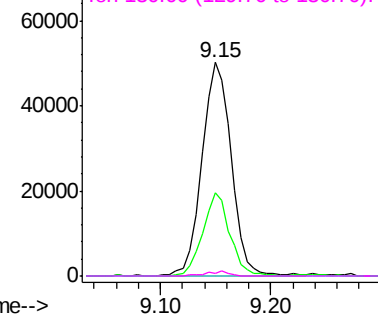
42 39.2 33.3 49.9

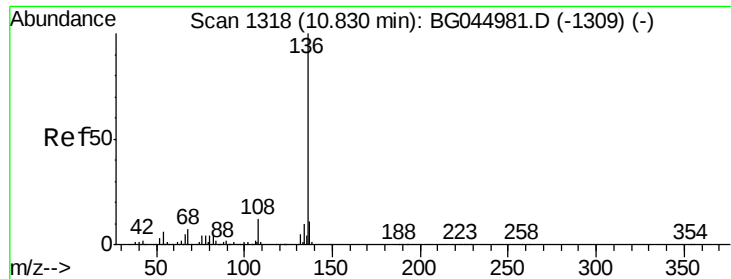
101 0.0 7.8 11.8#

130 1.4 15.8 23.6#



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

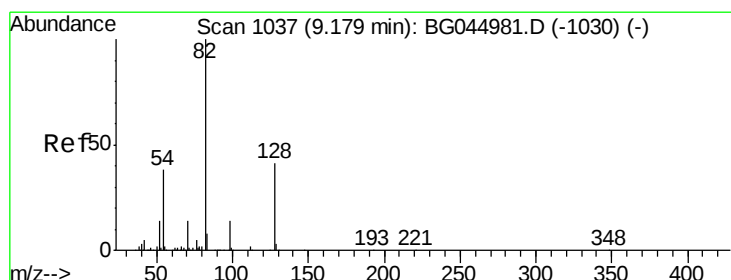
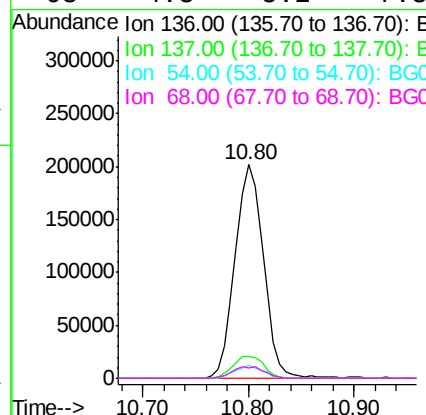
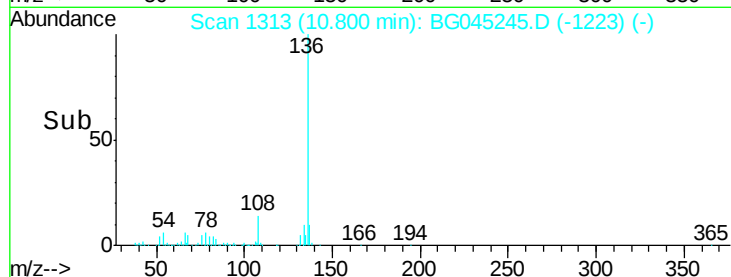
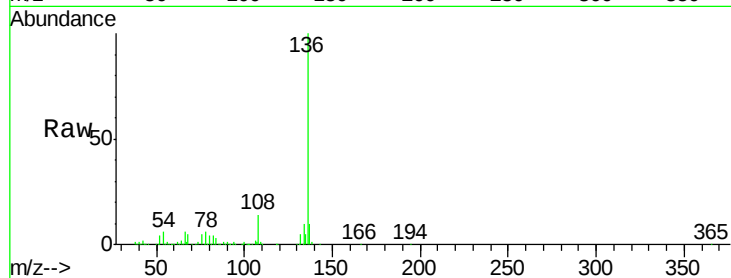




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.80 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BG045245.D
Acq: 4 May 2020 22:35

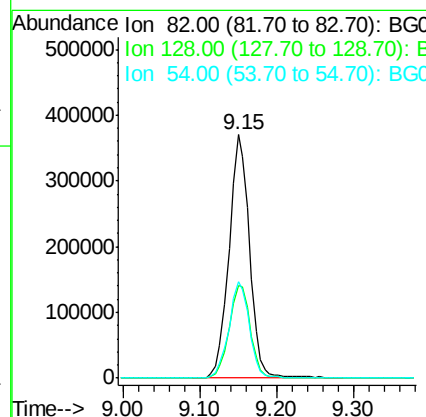
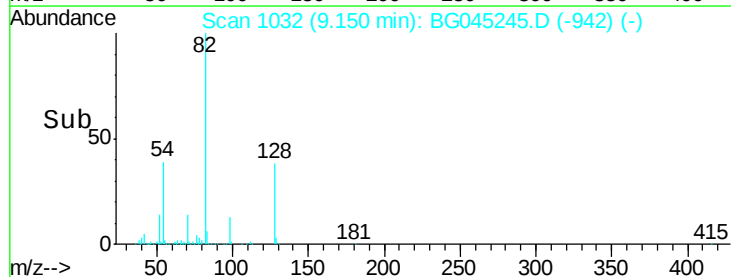
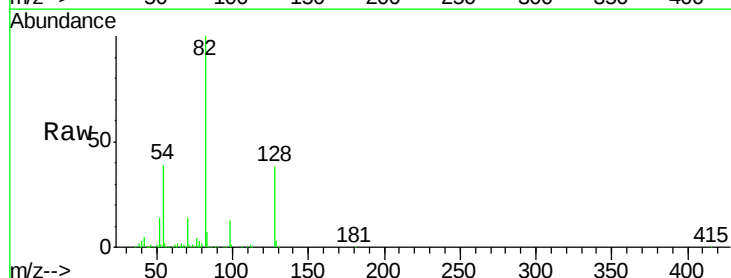
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FK-SF-03-009-A

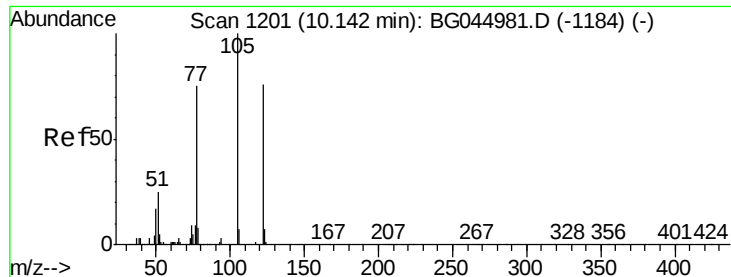
Tot Ion:136	Resp:	376147
Ion Ratio	Lower	Upper
136 100		
137 10.3	8.6	13.0
54 6.0	4.8	7.2
68 4.8	5.2	7.8#



#23
Nitrobenzene-d5
Concen: 83.248 ng
RT: 9.15 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BG045245.D
Acq: 4 May 2020 22:35

Tgt Ion: 82	Resp: 686265
Ion Ratio	Lower Upper
82 100	
128 38.1	33.0 49.4
54 39.5	30.4 45.6

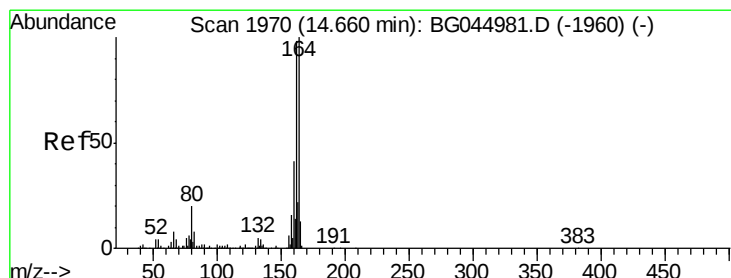
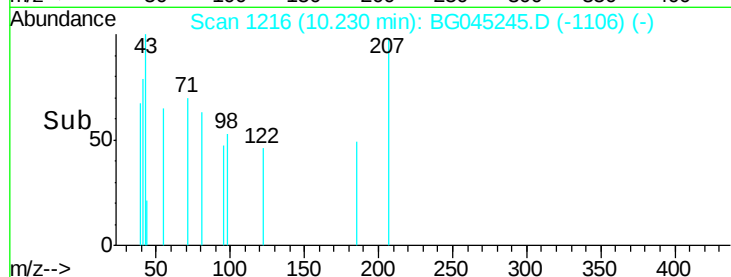
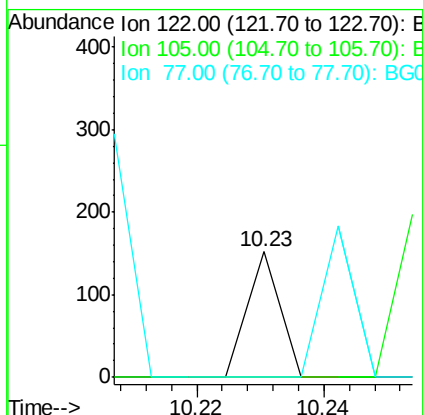
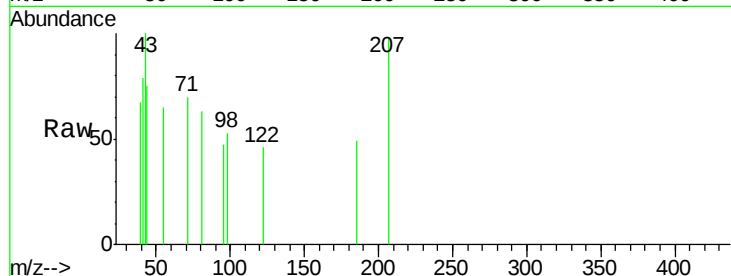




#32
Benzoic acid
Concen: 6.384 ng
RT: 10.23 min Scan# 1216
Delta R.T. 0.12 min
Lab File: BG045245.D
Acq: 4 May 2020 22:35

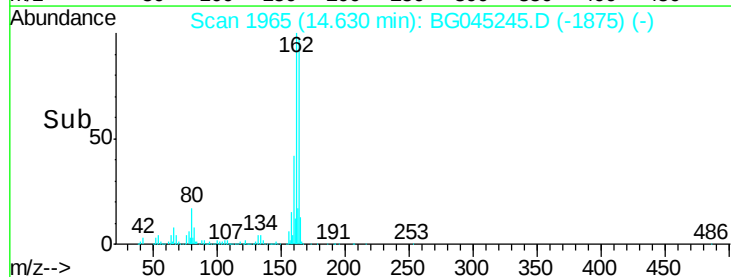
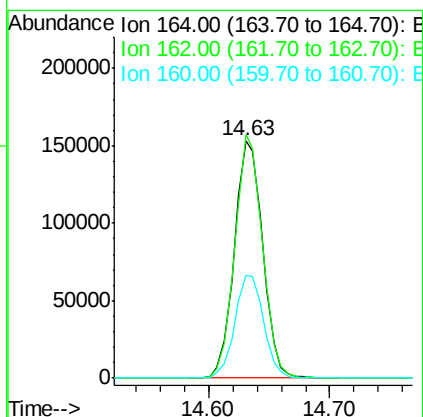
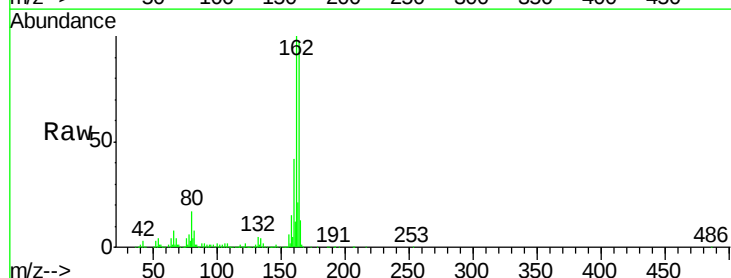
Instrument :
BNA_G
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FK-SF-03-009-A

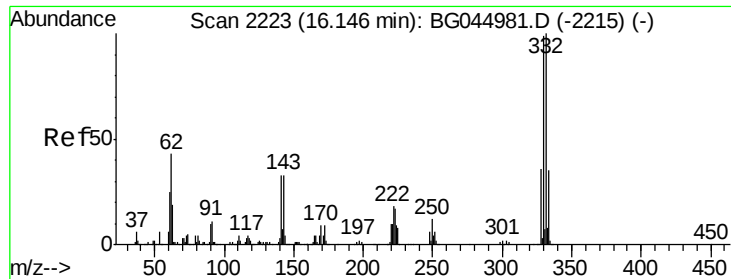
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	108.4	148.4#
77	0.0	78.8	118.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.63 min Scan# 1965
Delta R.T. -0.00 min
Lab File: BG045245.D
Acq: 4 May 2020 22:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	78.7	118.1
160	43.3	32.8	49.2

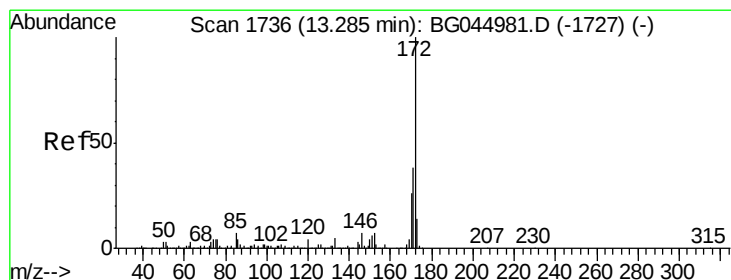
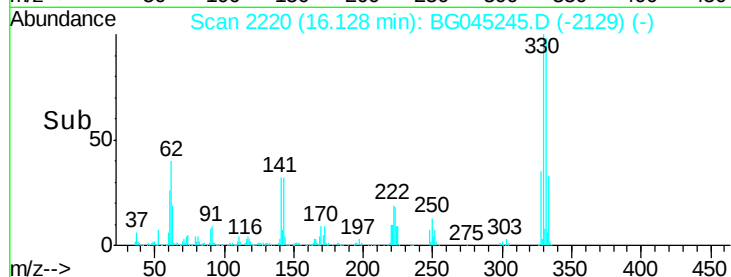
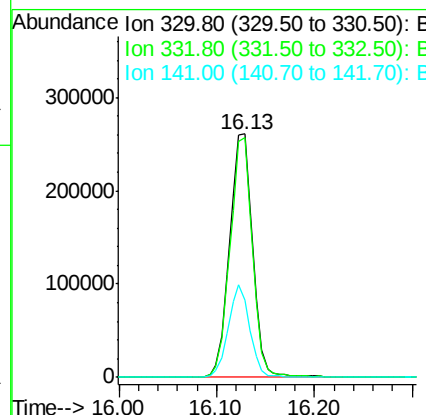
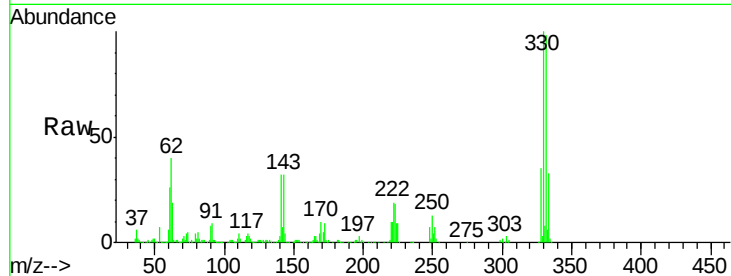




#42
 2,4,6-Tribromophenol
 Concen: 110.193 ng
 RT: 16.13 min Scan# 2220
 Delta R.T. 0.01 min
 Lab File: BG045245.D
 Acq: 4 May 2020 22:35

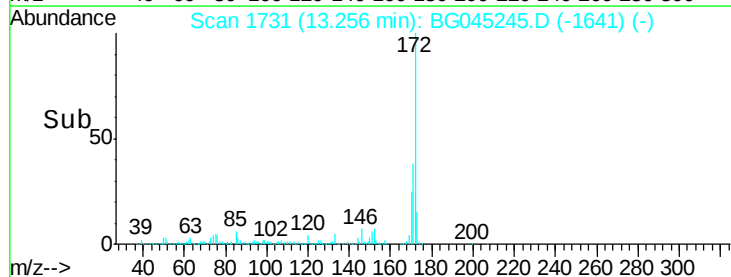
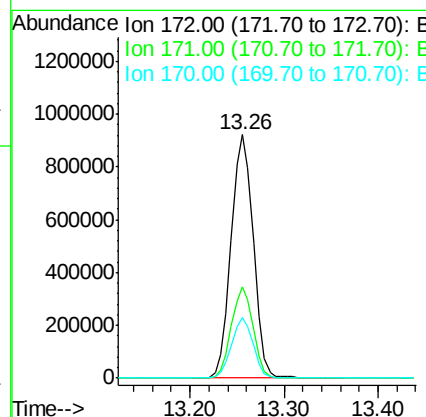
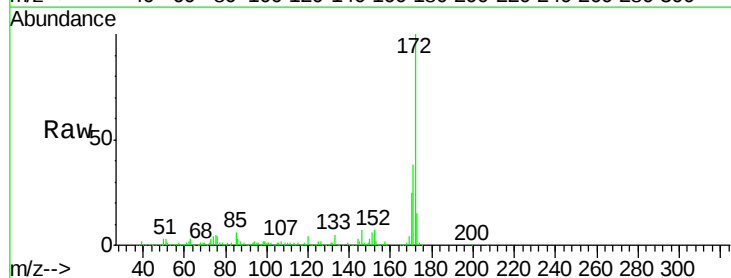
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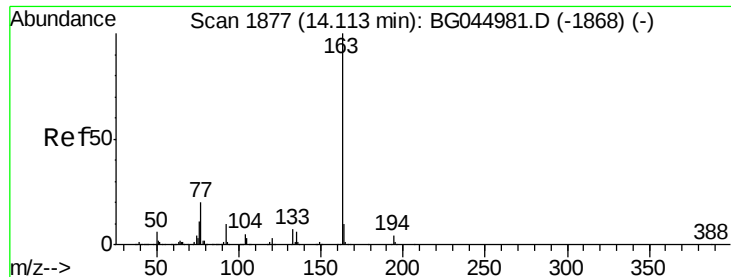
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	79.1	118.7
141	35.0	27.1	40.7



#45
 2-Fluorobiphenyl
 Concen: 88.269 ng
 RT: 13.26 min Scan# 1731
 Delta R.T. -0.00 min
 Lab File: BG045245.D
 Acq: 4 May 2020 22:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.6	46.0
170	25.0	20.5	30.7

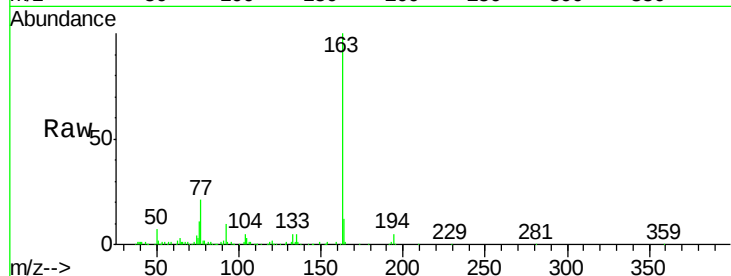




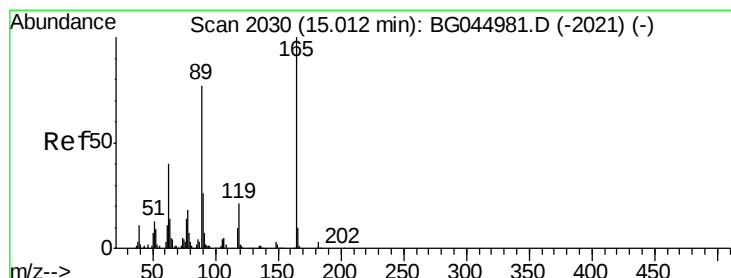
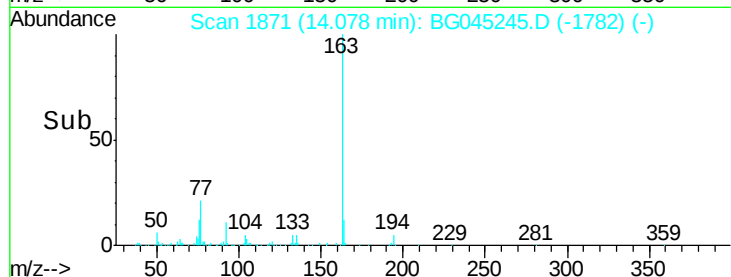
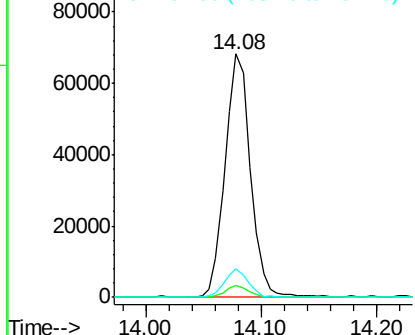
#50
Dimethylphthalate
Concen: 5.098 ng
RT: 14.08 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BG045245.D
Acq: 4 May 2020 22:35

Instrument :
BNA_G
ClientSampleId :
FK-SF-03-009-A

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	11.6	8.2	12.4

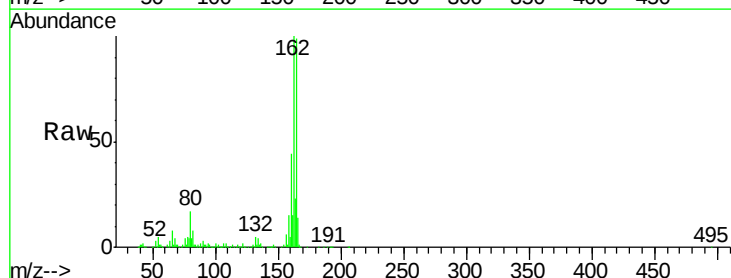


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

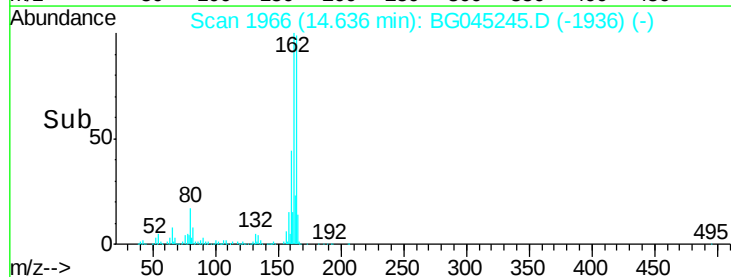
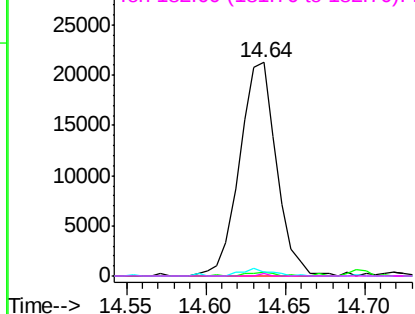


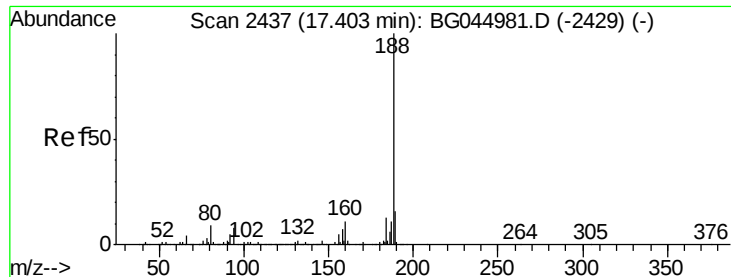
#57
2,4-Dinitrotoluene
Concen: 5.130 ng
RT: 14.64 min Scan# 1966
Delta R.T. -0.35 min
Lab File: BG045245.D
Acq: 4 May 2020 22:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	32.2	48.2#
89	2.0	61.7	92.5#
182	1.0	2.0	3.0#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.38 min Scan# 2433

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-009-A

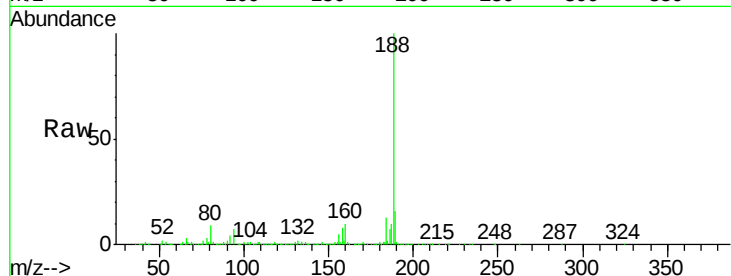
Tot Ion:188 Resp: 496395

Ion Ratio Lower Upper

188 100

94 7.2 6.2 9.4

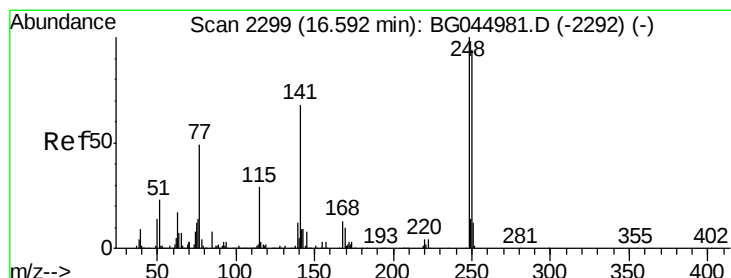
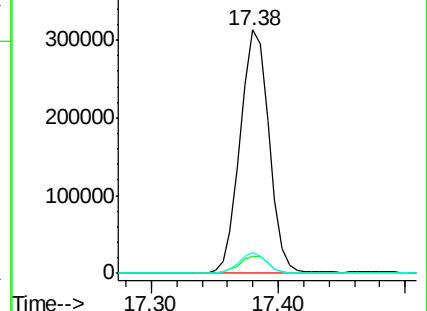
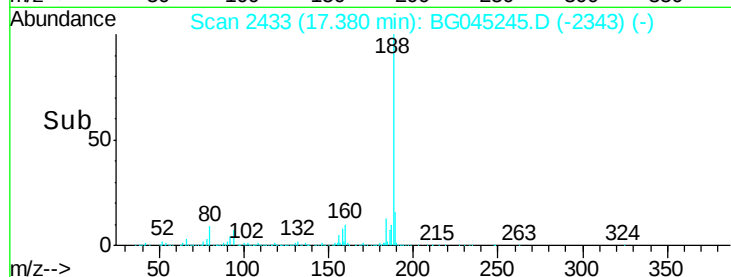
80 8.6 7.0 10.6



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: 4.351 ng

RT: 16.13 min Scan# 2220

Delta R.T. -0.44 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

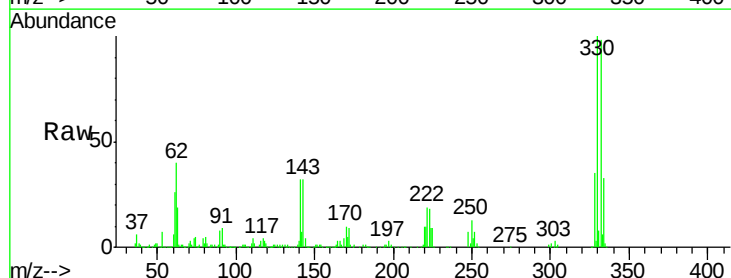
Tgt Ion:248 Resp: 27866

Ion Ratio Lower Upper

248 100

250 201.3 75.4 113.2#

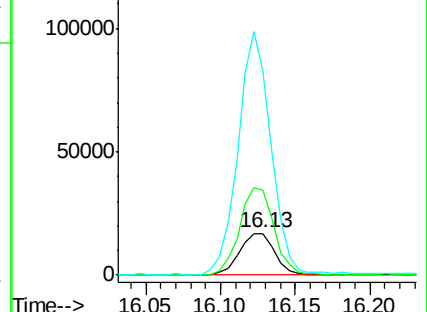
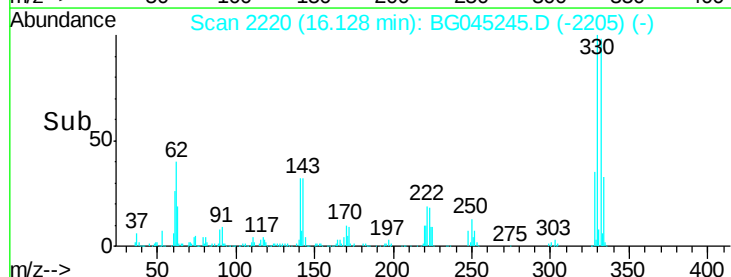
141 486.8 54.4 81.6#

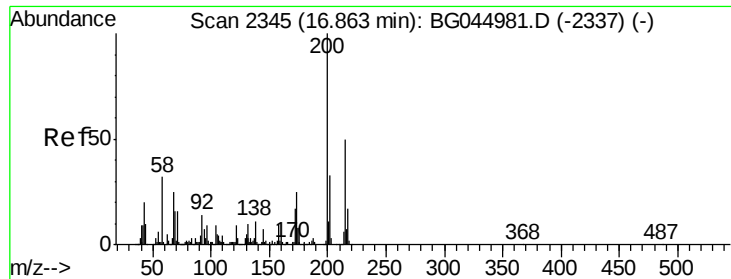


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#69

Atrazine

Concen: Below Cal

RT: 16.85 min Scan# 2342

Delta R.T. 0.01 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-009-A

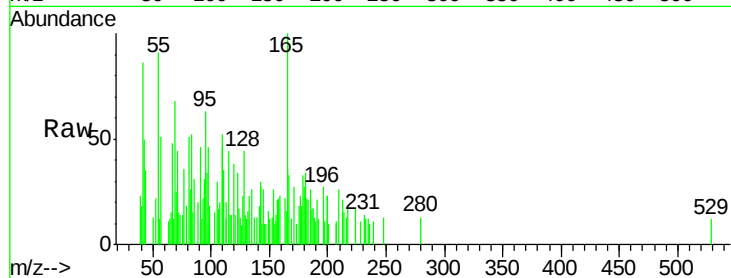
Tot Ion:200 Resp: 490

Ion Ratio Lower Upper

200 100

173 43.5 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

600

400

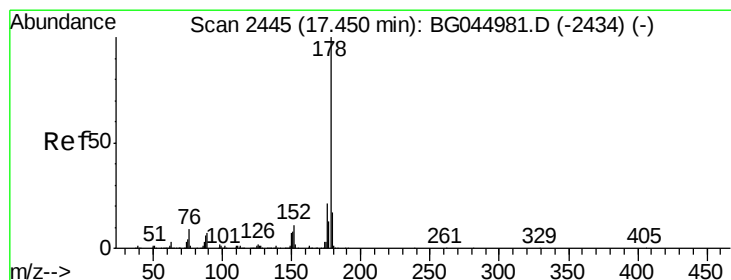
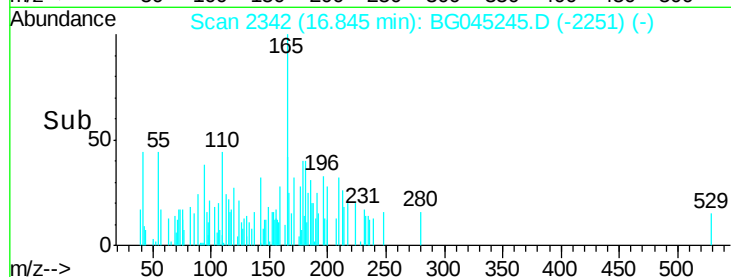
200

0

16.80 16.82 16.84 16.86

16.85

Time-->



#71

Phenanthrene

Concen: 5.502 ng

RT: 17.42 min Scan# 2440

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

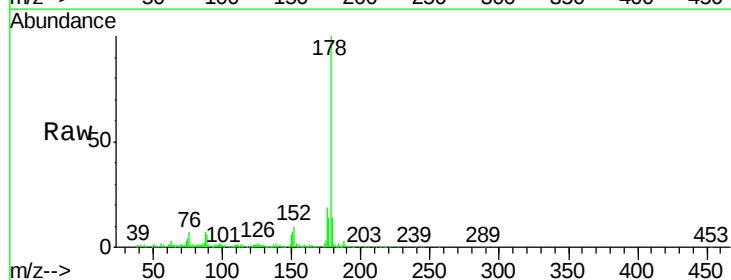
Tgt Ion:178 Resp: 140336

Ion Ratio Lower Upper

178 100

176 19.2 16.8 25.2

179 13.9 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

120000

100000

80000

60000

40000

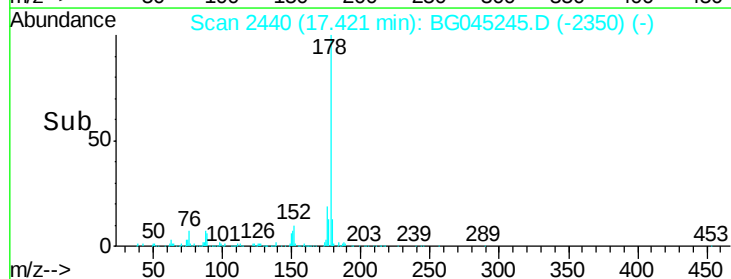
20000

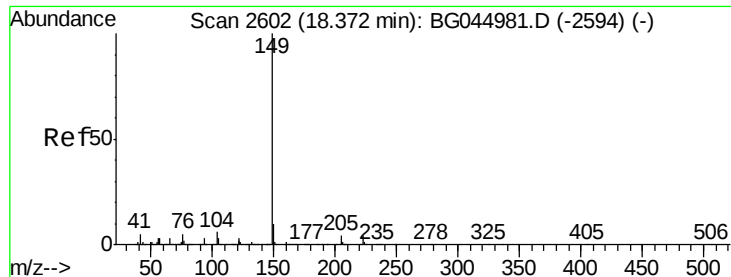
0

17.35 17.40 17.45 17.50

17.42

Time-->





#74

Di-n-butylphthalate

Concen: Below Cal

RT: 18.34 min Scan# 2597

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-009-A

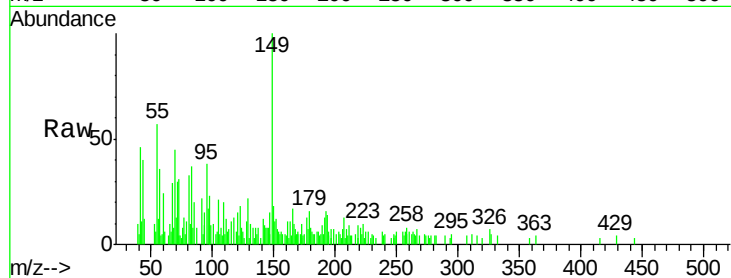
Tot Ion:149 Resp: 5779

Ion Ratio Lower Upper

149 100

150 17.5 8.2 12.2#

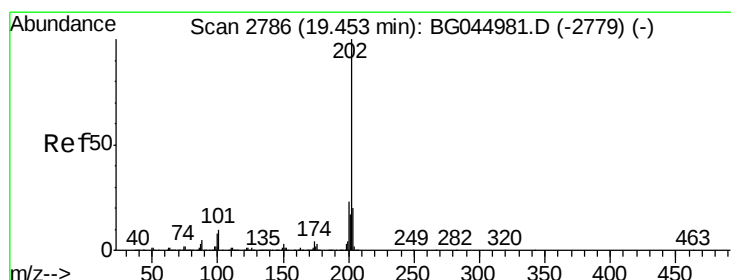
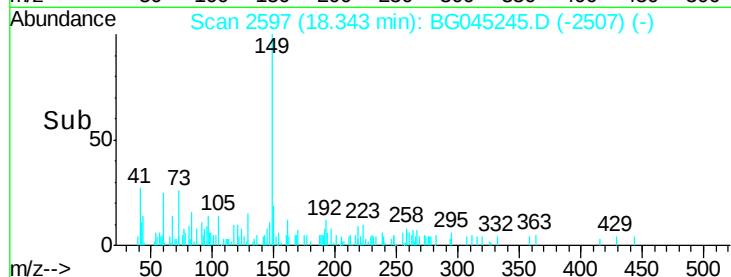
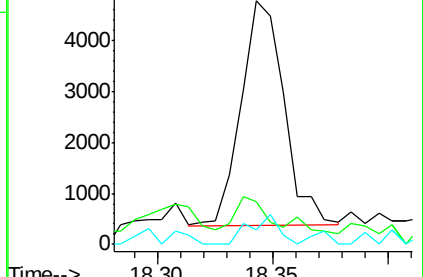
104 5.8 4.8 7.2



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: 6.359 ng

RT: 19.44 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

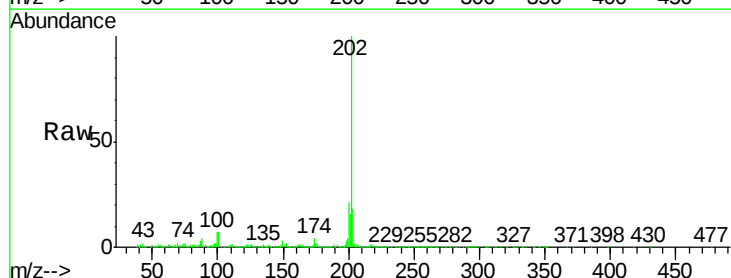
Tgt Ion:202 Resp: 349522

Ion Ratio Lower Upper

202 100

101 7.4 0.0 29.6

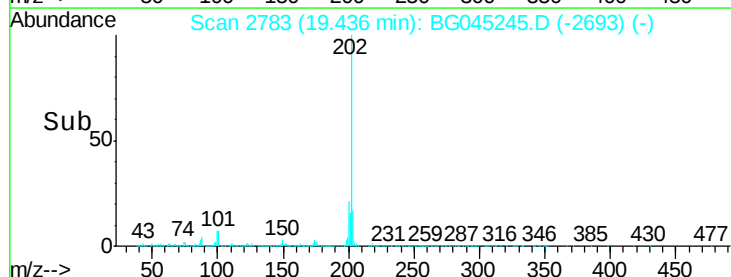
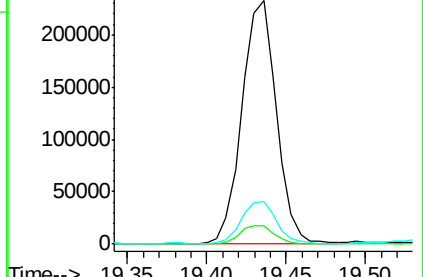
203 17.5 0.0 39.7

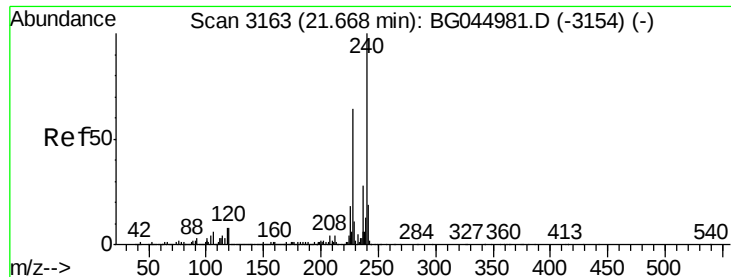


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.64 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-009-A

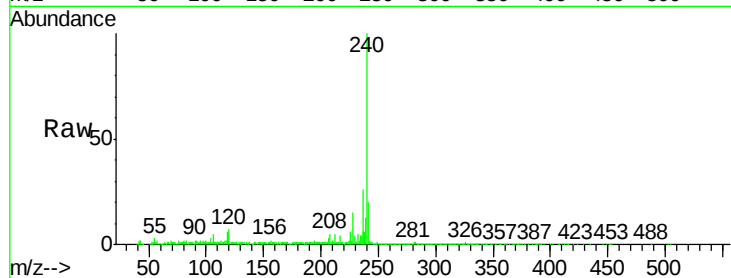
Tot Ion:240 Resp: 421862

Ion Ratio Lower Upper

240 100

120 7.2 6.6 10.0

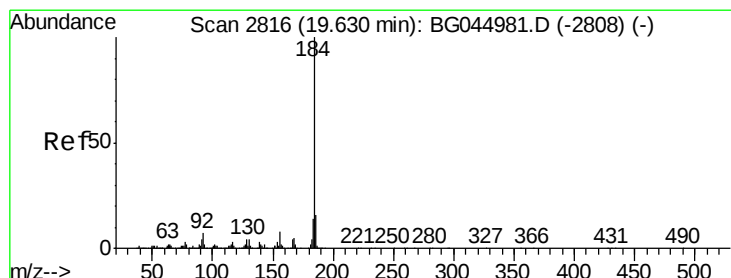
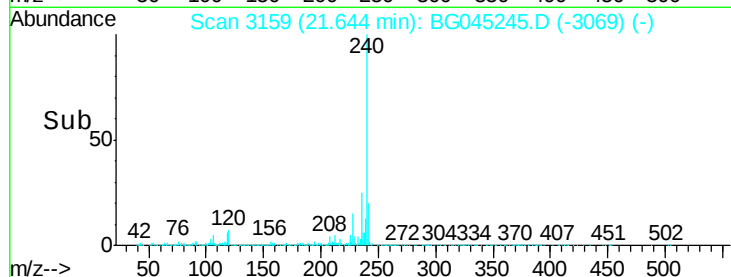
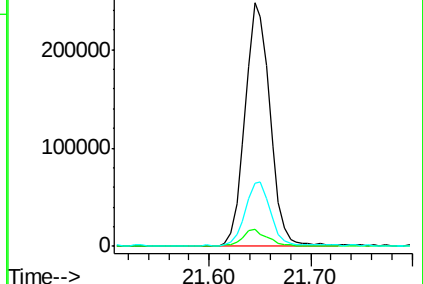
236 25.8 22.2 33.2



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: 20.00 min Scan# 2879

Delta R.T. 0.39 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

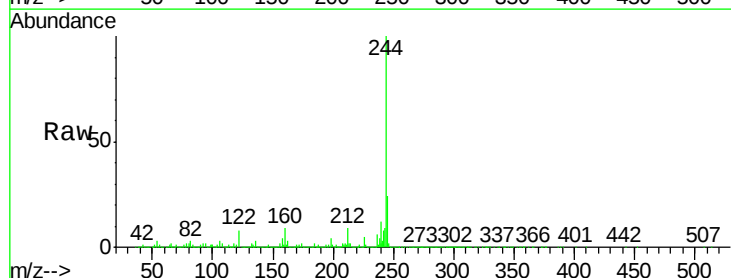
Tgt Ion:184 Resp: 39356

Ion Ratio Lower Upper

184 100

185 15.6 12.6 19.0

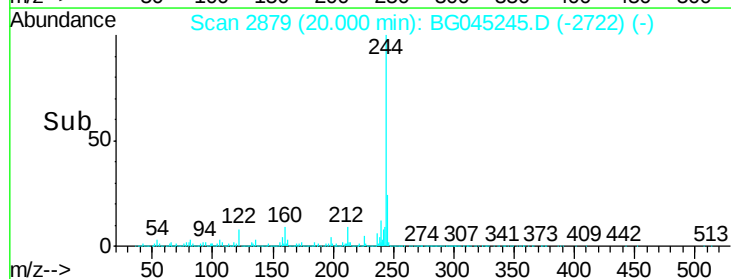
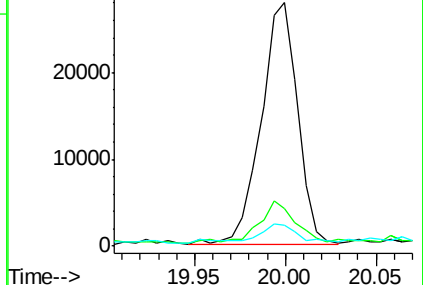
183 8.5 11.3 16.9#

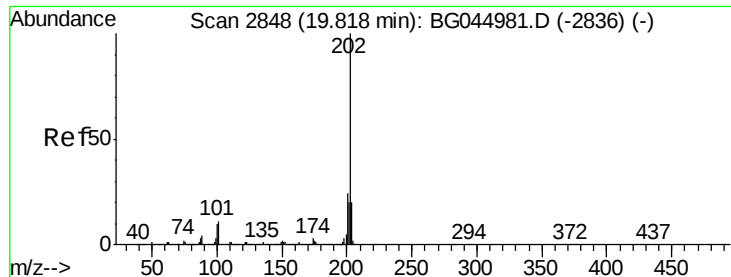


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Pvrene

Concen: 11.382 ng

RT: 19.79 min Scan# 2844

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-009-A

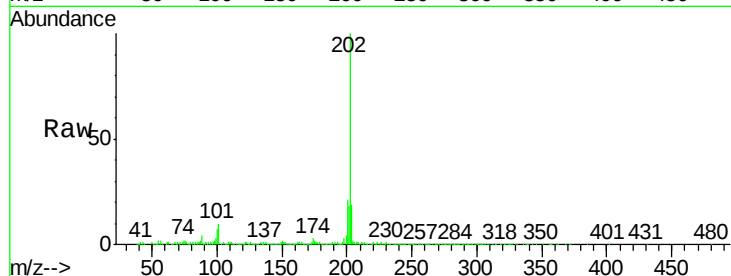
Tot Ion:202 Resp: 331041

Ion Ratio Lower Upper

202 100

200 21.4 19.0 28.6

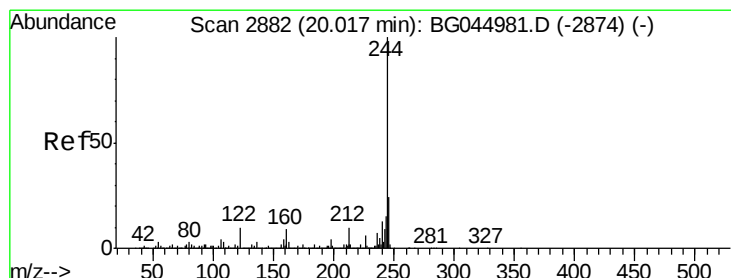
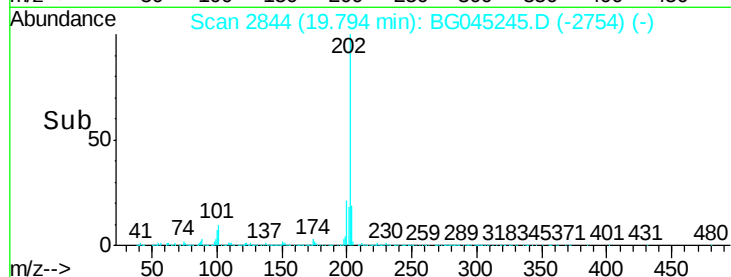
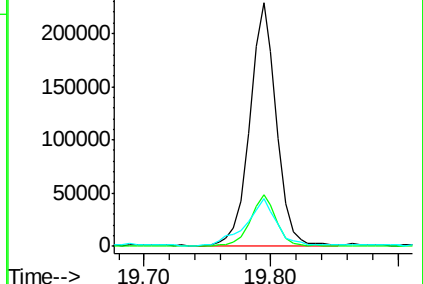
203 19.5 16.1 24.1



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 96.581 ng

RT: 20.00 min Scan# 2879

Delta R.T. 0.01 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

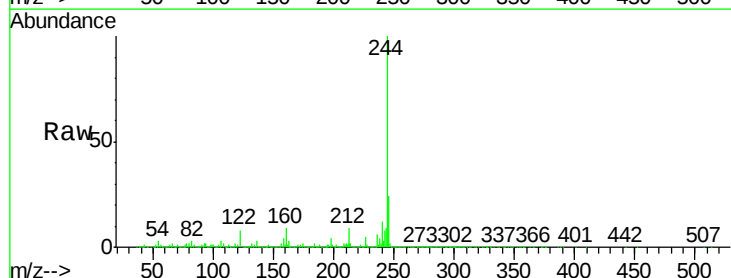
Tgt Ion:244 Resp: 1869351

Ion Ratio Lower Upper

244 100

212 9.2 7.9 11.9

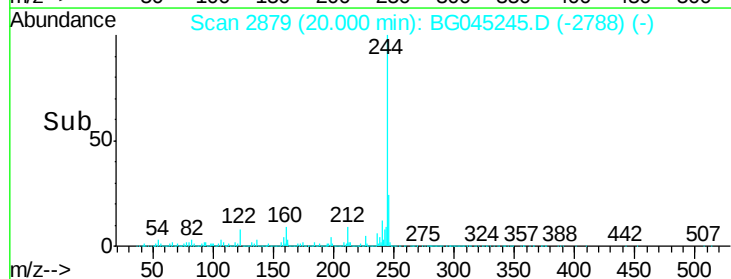
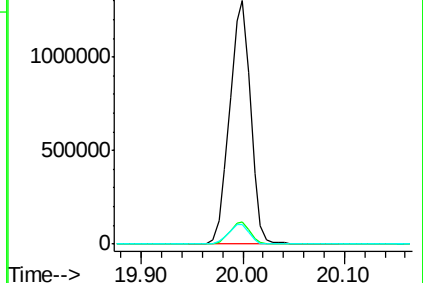
122 8.0 7.7 11.5

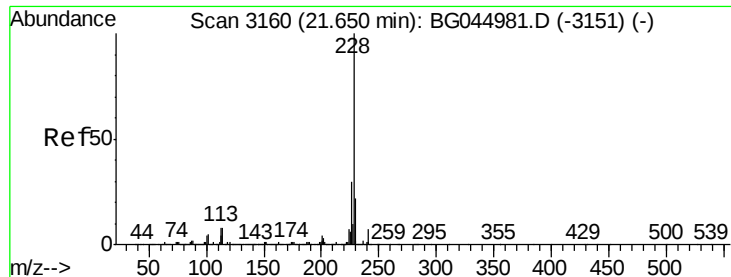


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 6.681 ng

RT: 21.63 min Scan# 3156

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-009-A

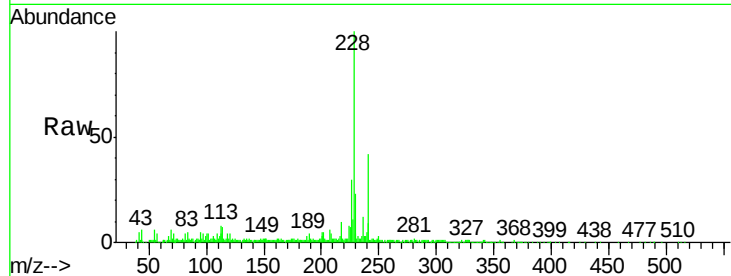
Tot Ion:228 Resp: 182674

Ion Ratio Lower Upper

228 100

226 30.1 24.0 36.0

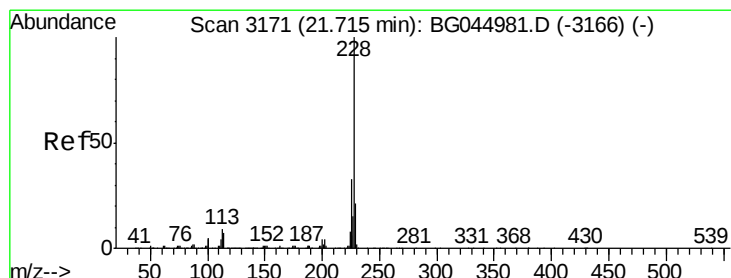
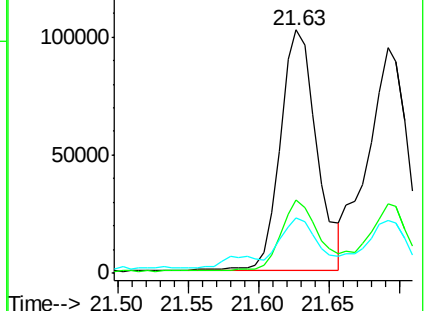
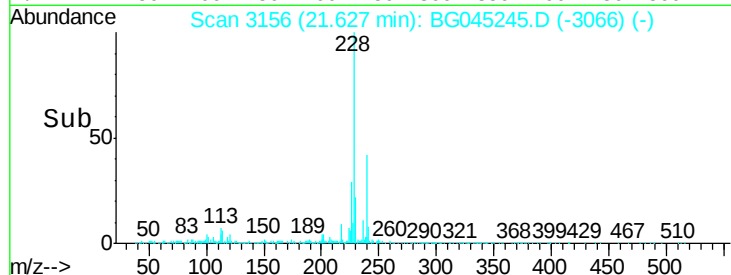
229 23.0 17.5 26.3



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: 7.120 ng

RT: 21.69 min Scan# 3167

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

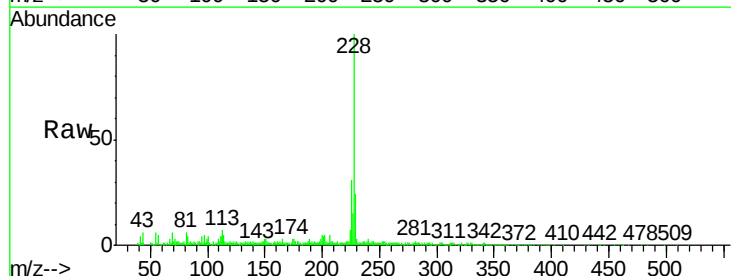
Tgt Ion:228 Resp: 187045

Ion Ratio Lower Upper

228 100

226 31.1 26.2 39.4

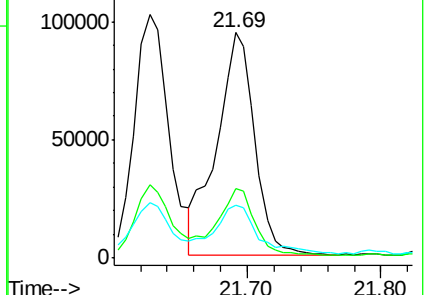
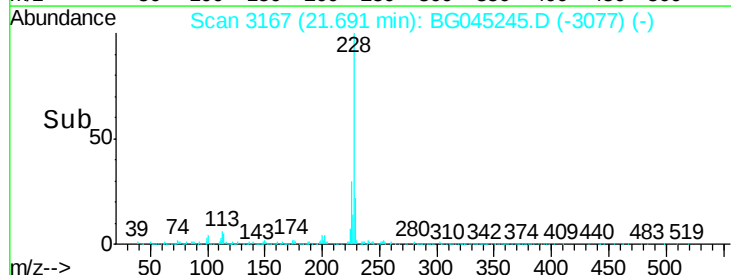
229 23.6 17.0 25.6

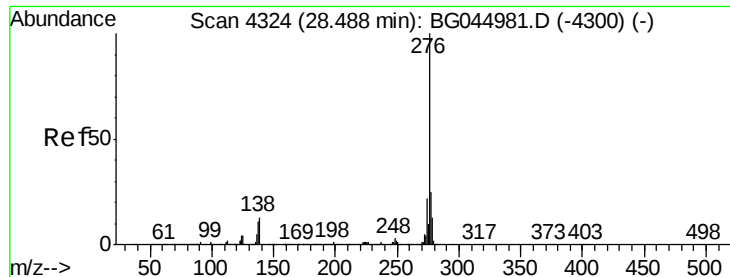


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

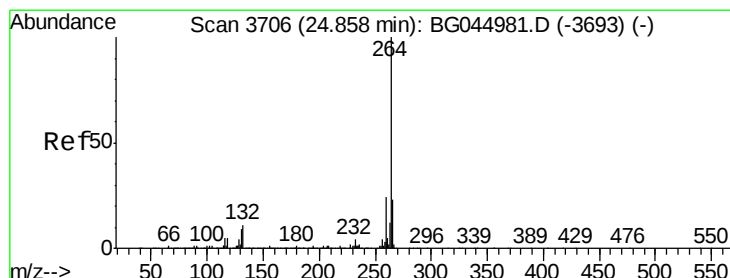
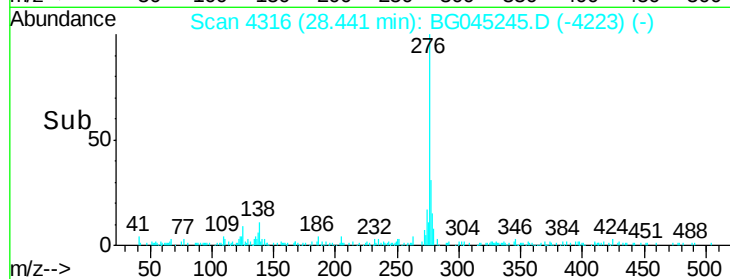
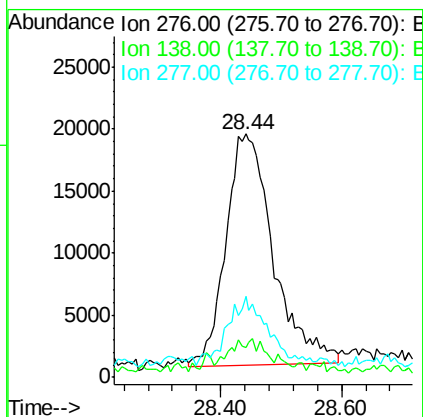
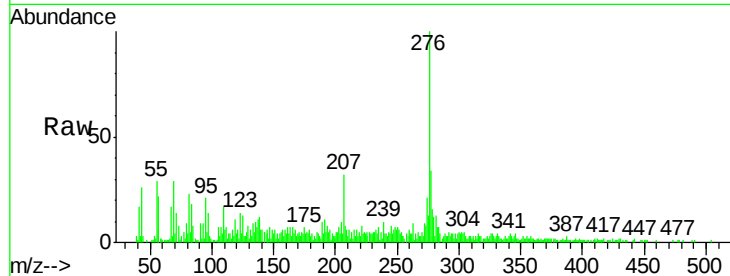




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.903 ng
RT: 28.44 min Scan# 4316
Delta R.T. 0.02 min
Lab File: BG045245.D
Acq: 4 May 2020 22:35

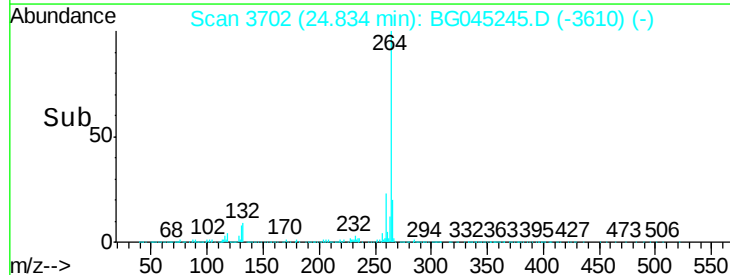
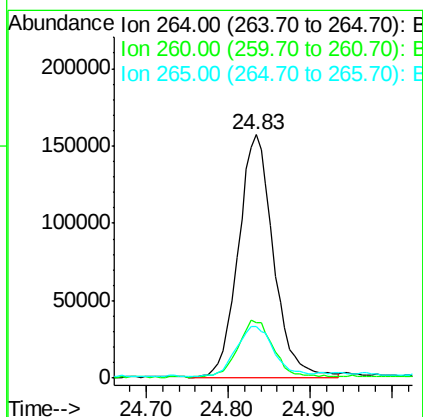
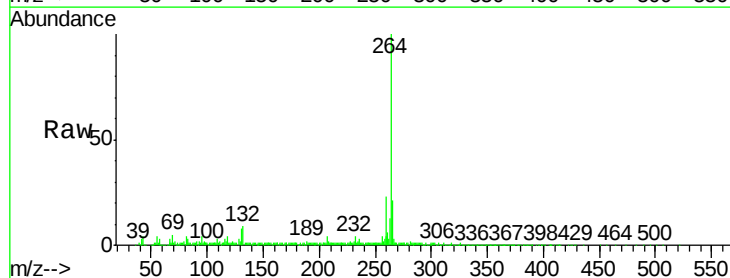
Instrument :
BNA_G
ClientSampleId :
FK-SF-03-009-A

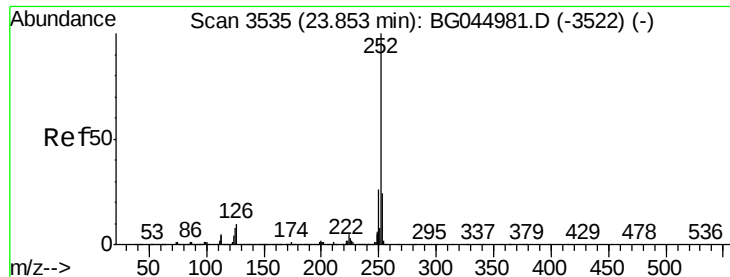
Tot Ion:276 Resp: 101256
Ion Ratio Lower Upper
276 100
138 2.8 9.6 14.4#
277 24.3 20.6 31.0



#87
Perylene-d12
Concen: 20.000 ng
RT: 24.83 min Scan# 3702
Delta R.T. 0.01 min
Lab File: BG045245.D
Acq: 4 May 2020 22:35

Tgt Ion:264 Resp: 466540
Ion Ratio Lower Upper
264 100
260 23.0 19.2 28.8
265 21.2 19.0 28.4





#88

Benzo(b)fluoranthene

Concen: 9.259 ng

RT: 23.82 min Scan# 3530

Delta R.T. 0.01 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

BNA_G

ClientSampleId :

FK-SF-03-009-A

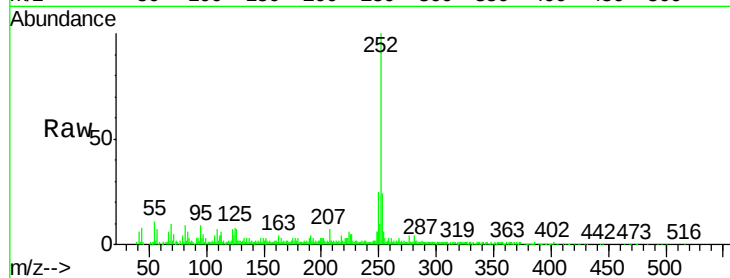
Tot Ion:252 Resp: 270587

Ion Ratio Lower Upper

252 100

253 23.7 18.8 28.2

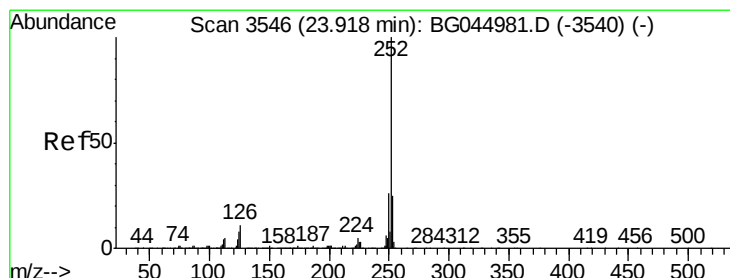
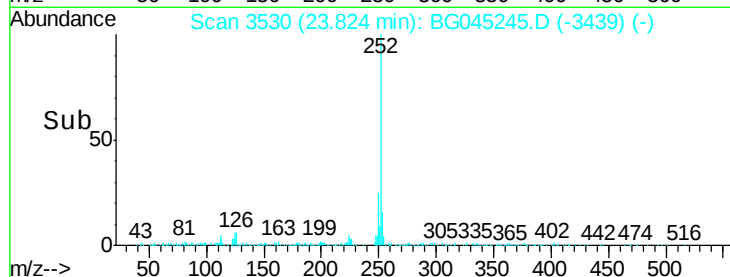
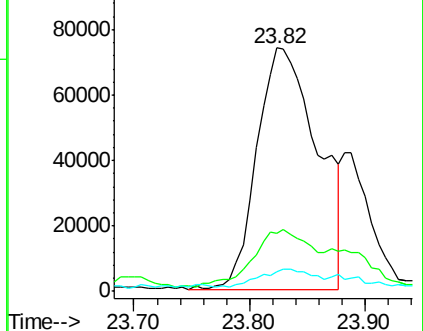
125 8.0 6.2 9.4



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 9.736 ng

RT: 23.82 min Scan# 3530

Delta R.T. -0.06 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

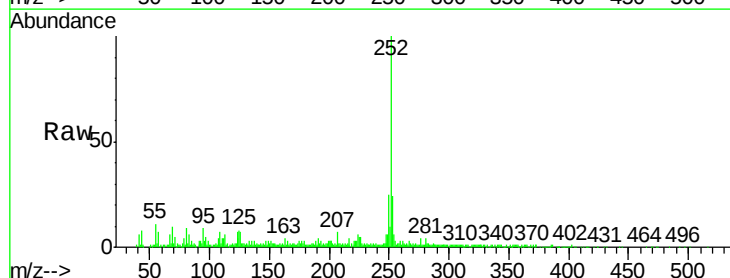
Tgt Ion:252 Resp: 270587

Ion Ratio Lower Upper

252 100

253 23.7 19.2 28.8

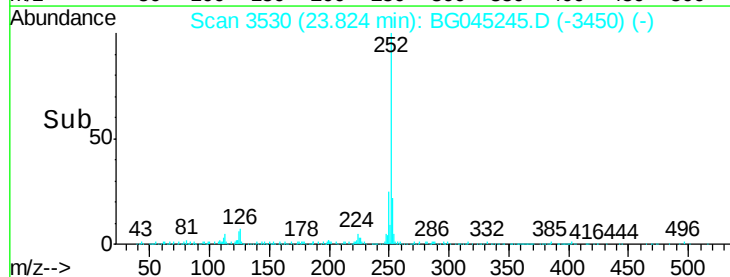
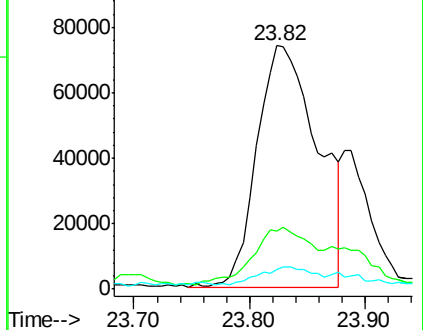
125 8.0 5.9 8.9

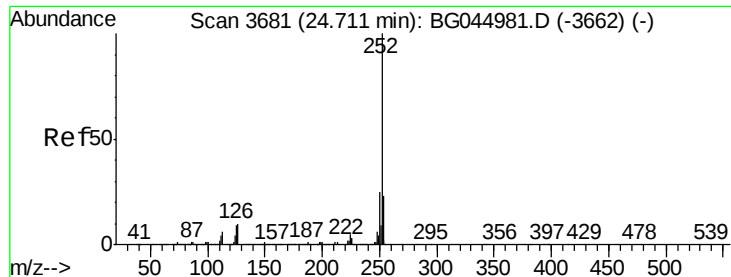


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 6.204 ng

RT: 24.68 min Scan# 3675

Delta R.T. -0.00 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Instrument :

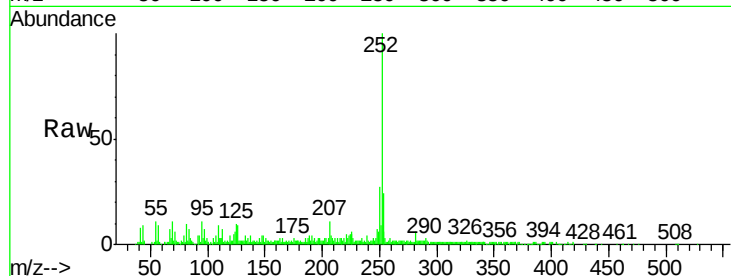
BNA_G

ClientSampleId :

FK-SF-03-009-A

Tot Ion:252 Resp: 171190

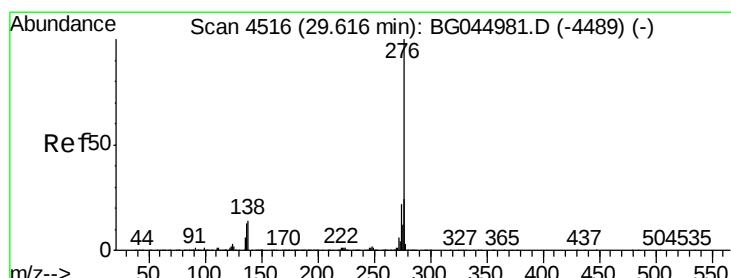
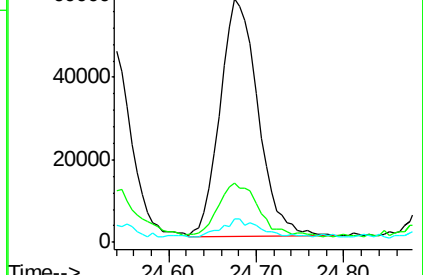
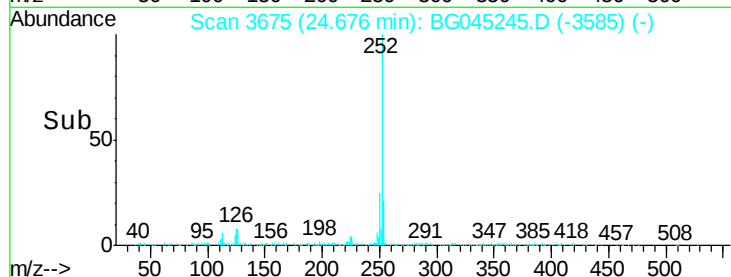
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.3	27.5
125	9.7	7.0	10.6



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(g,h,i)perylene

Concen: 3.105 ng

RT: 29.56 min Scan# 4506

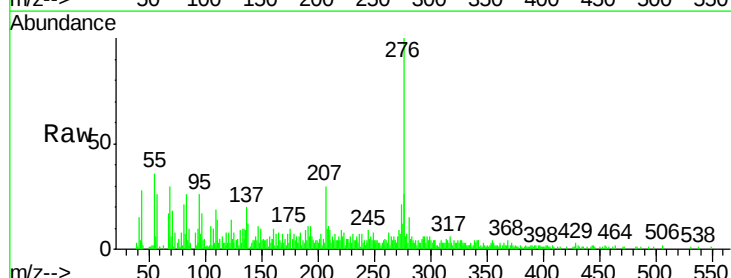
Delta R.T. 0.01 min

Lab File: BG045245.D

Acq: 4 May 2020 22:35

Tgt Ion:276 Resp: 86537

Ion	Ratio	Lower	Upper
276	100		
277	26.0	19.3	28.9
138	12.3	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

