

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045366.D
 Acq On : 13 May 2020 17:55
 Operator : CG/JU
 Sample : L2593-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-057-B

Manual Integrations
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Quant Time: May 14 01:22:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 13 11:40:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.97	152	80653	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	351445	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	233160	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	467162	20.00	ng	0.00
76) Chrysene-d12	21.63	240	388204	20.00	ng	0.00
87) Perylene-d12	24.80	264	429722	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.55	112	448355	91.78	ng	0.00
7) Phenol-d6	7.15	99	685014	94.38	ng	0.00
23) Nitrobenzene-d5	9.13	82	460429	59.78	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	298914	82.99	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1081344	68.00	ng	0.00
79) Terphenyl-d14	19.98	244	1339669	75.22	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	14.07	163	134426	7.081	ng	99
52) Acenaphthene	14.68	154	41927	2.809	ng	98
55) Dibenzofuran	15.01	168	46963	2.158	ng	99
58) Fluorene	15.66	166	77344	4.352	ng	99
71) Phenanthrene	17.41	178	950289	39.585	ng	99
72) Anthracene	17.50	178	294610	12.234	ng	96
75) Fluoranthene	19.42	202	1310506	46.674	ng	98
78) Pyrene	19.78	202	1083498	40.485	ng	98
81) Benzo(a)anthracene	21.61	228	567579	22.558	ng	98
83) Chrysene	21.67	228	491983	20.351	ng	96
86) Indeno(1,2,3-cd)pyrene	28.39	276	345181	10.754	ng	98
88) Benzo(b)fluoranthene	23.79	252	646673	24.024	ng	99
89) Benzo(k)fluoranthene	23.85	252	259667m	10.144	ng	
90) Benzo(a)pyrene	24.65	252	506233	19.919	ng	99
91) Dibenzo(a,h)anthracene	28.45	278	84792	3.311	ng	94
92) Benzo(g,h,i)perylene	29.52	276	325341	12.672	ng	98

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

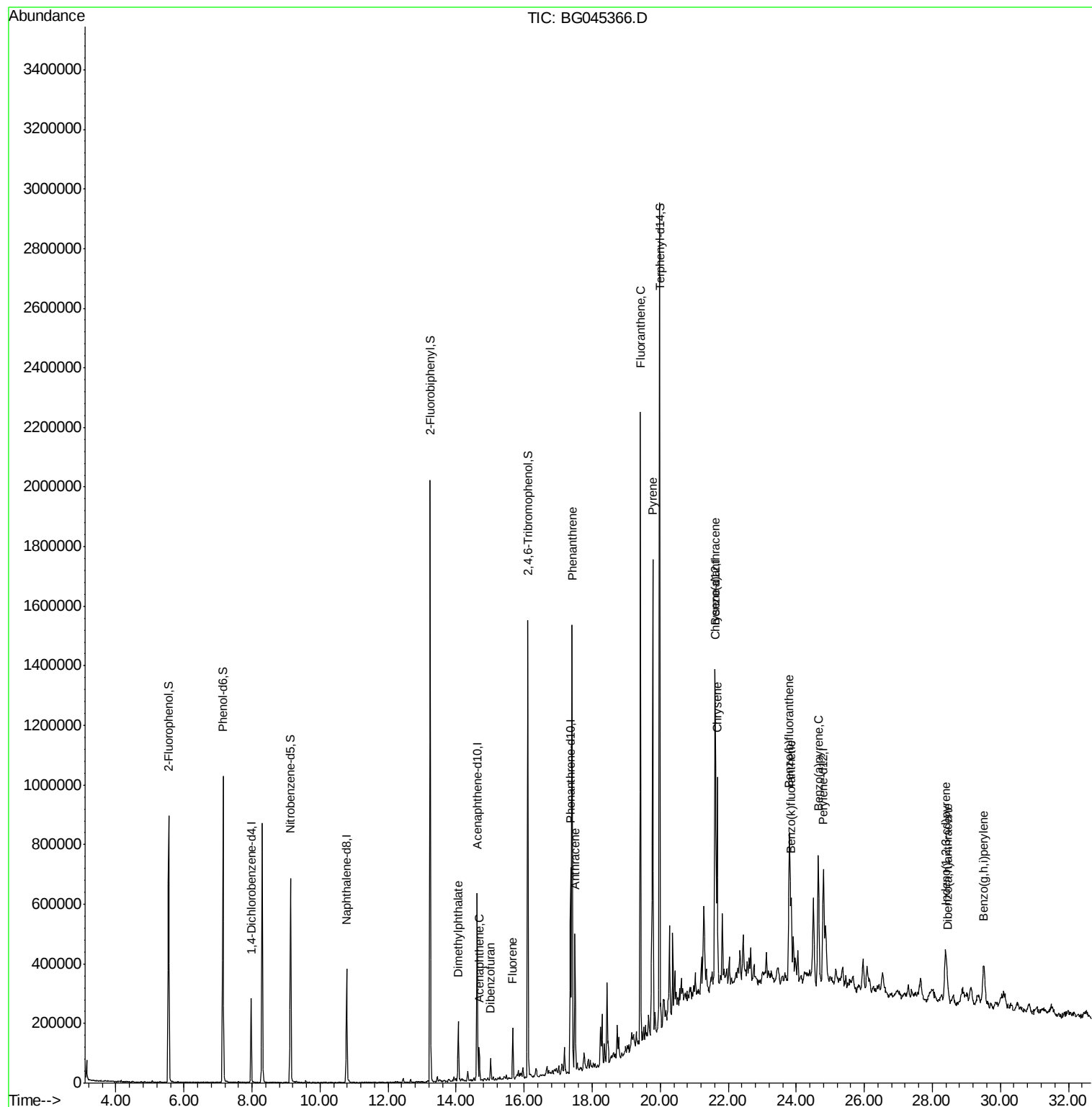
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045366.D
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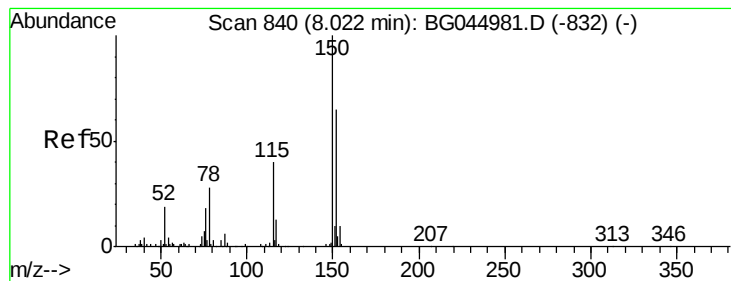
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FK-GF-02-057-B

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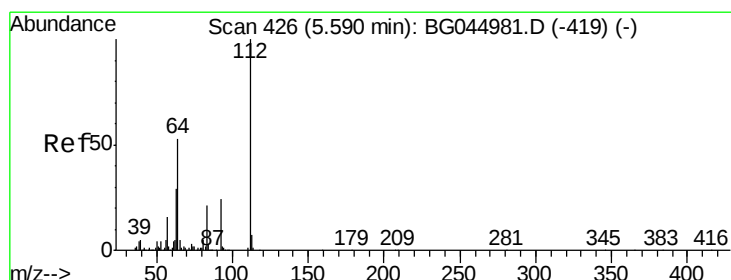
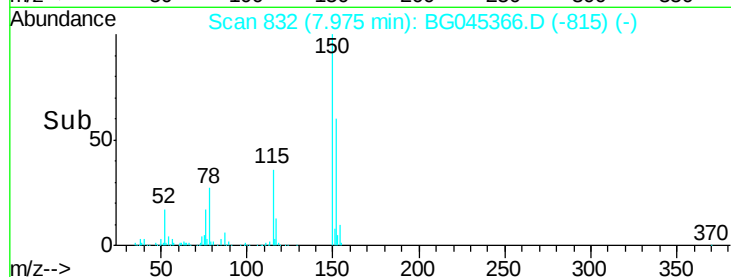
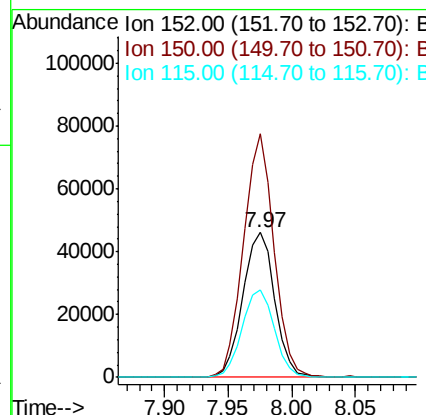
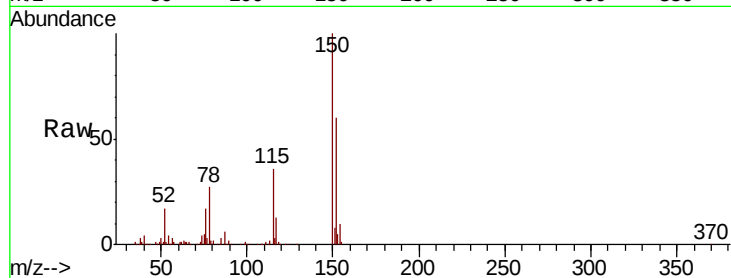
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.97 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: BG045366.D
 Acq: 13 May 2020 17:55

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	167.9	123.6	185.4
115	60.6	49.1	73.7

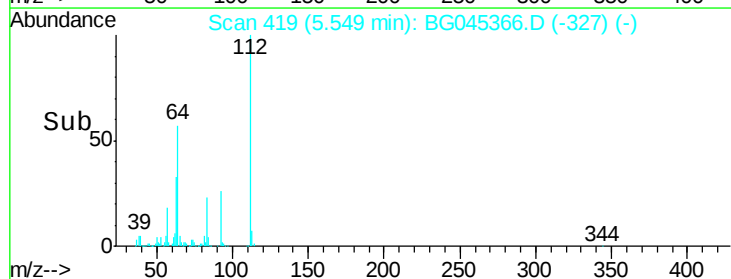
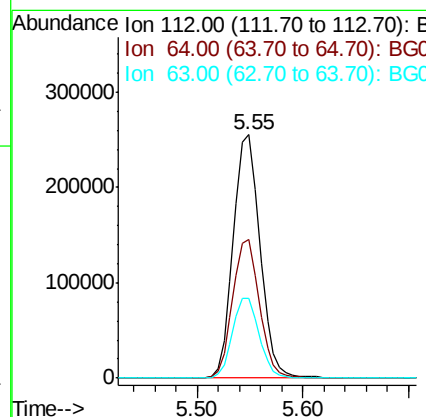
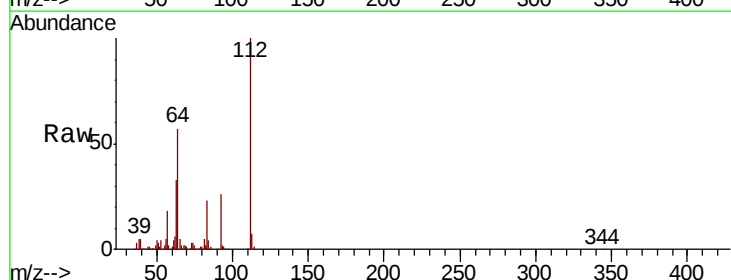
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#5
 2-Fluorophenol
 Concen: 91.777 ng
 RT: 5.55 min Scan# 419
 Delta R.T. 0.01 min
 Lab File: BG045366.D
 Acq: 13 May 2020 17:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	42.4	63.6
63	32.6	23.1	34.7





#7

Phenol-d6

Concen: 94.377 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Instrument :

BNA_G

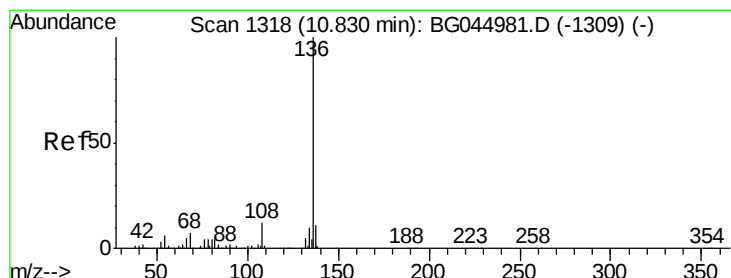
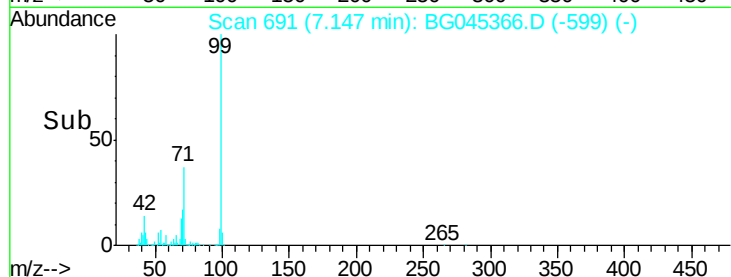
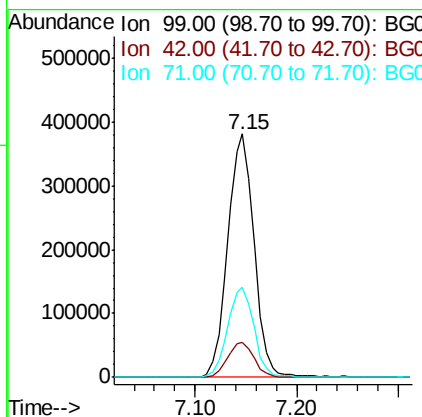
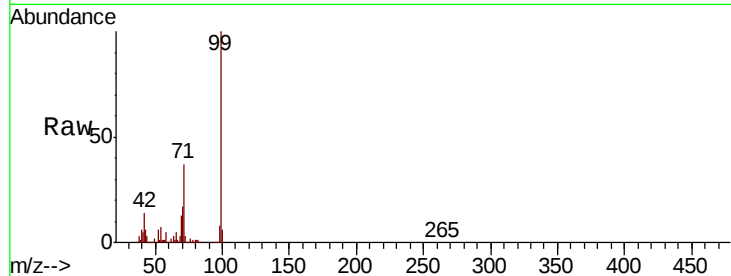
ClientSampleId :

FK-GF-02-057-B

Tot Ion:	99	Resp:	685014
Ion Ratio	Lower	Upper	
99	100		
42	14.2	11.3	16.9
71	36.9	28.3	42.5

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#21

Naphthalene-d8

Concen: 20.000 ng

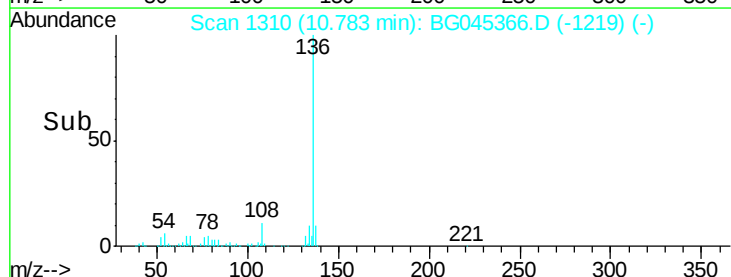
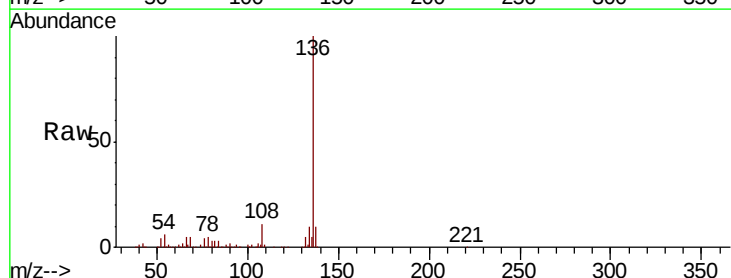
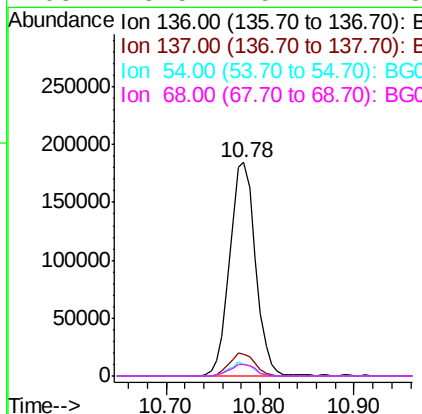
RT: 10.78 min Scan# 1310

Delta R.T. 0.00 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Tgt Ion:	136	Resp:	351445
Ion Ratio	Lower	Upper	
136	100		
137	10.5	8.6	13.0
54	5.5	4.8	7.2
68	5.5	5.2	7.8





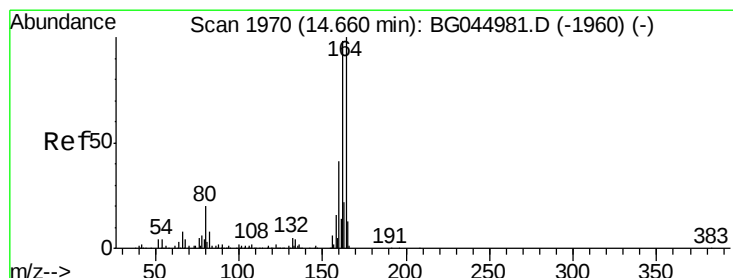
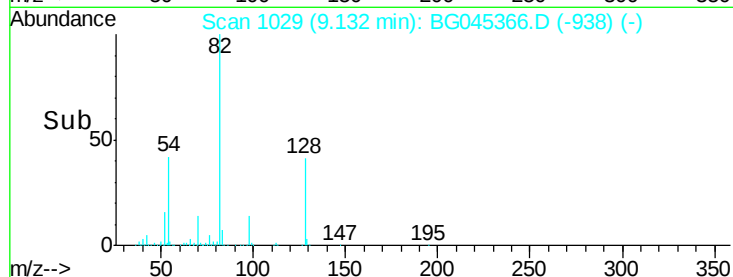
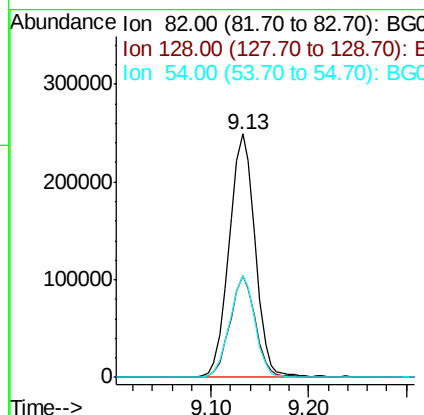
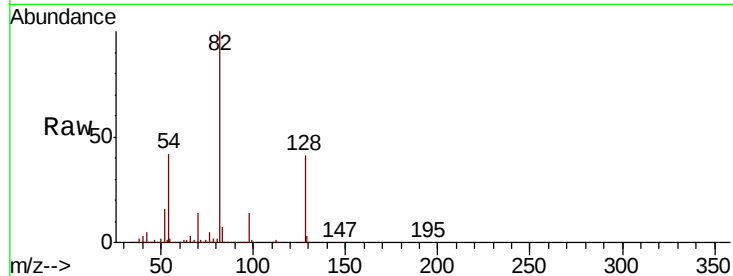
#23
Nitrobenzene-d5
Concen: 59.778 ng
RT: 9.13 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.5	33.0	49.4	
54	41.8	30.4	45.6	

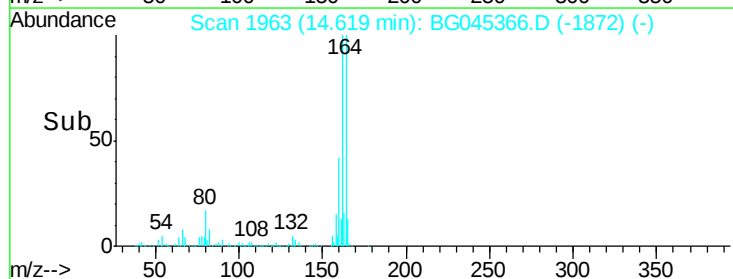
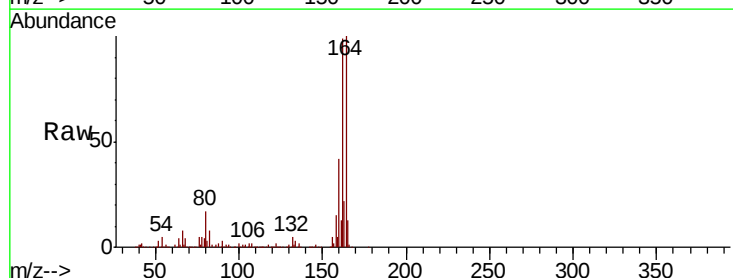
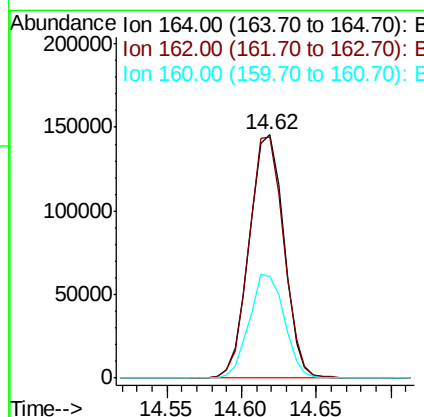
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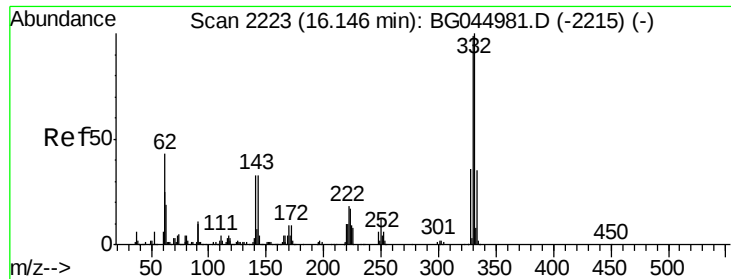
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	99.0	78.7	118.1	
160	41.9	32.8	49.2	





#42

2,4,6-Tribromophenol

Concen: 82.985 ng

RT: 16.11 min Scan# 2216

Delta R.T. -0.00 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Instrument :

BNA_G

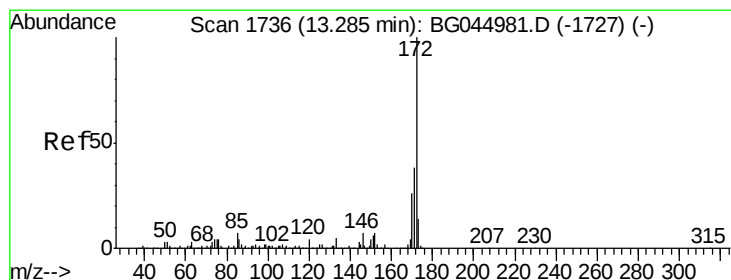
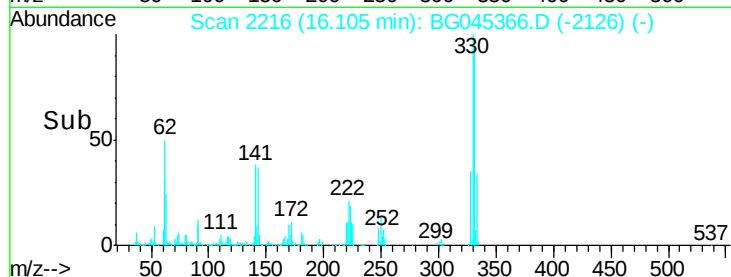
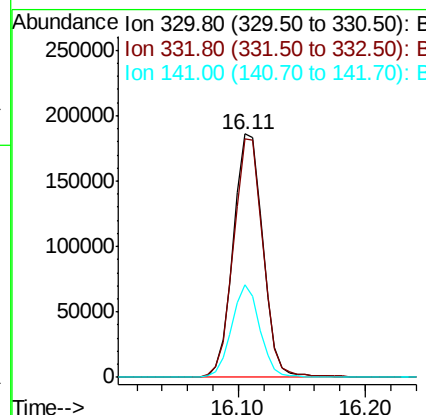
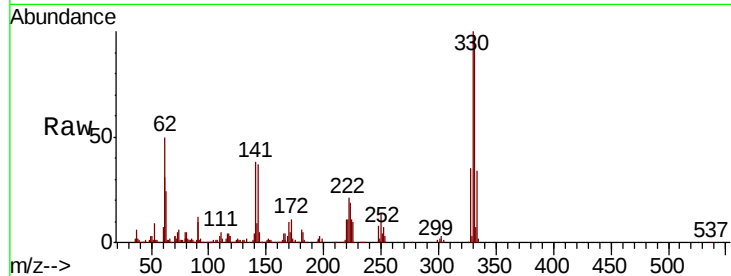
ClientSampleId :

FK-GF-02-057-B

Tot Ion:	330	Resp:	298914
Ion Ratio	Lower	Upper	
330	100		
332	98.0	79.1	118.7
141	36.0	27.1	40.7

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#45

2-Fluorobiphenyl

Concen: 68.005 ng

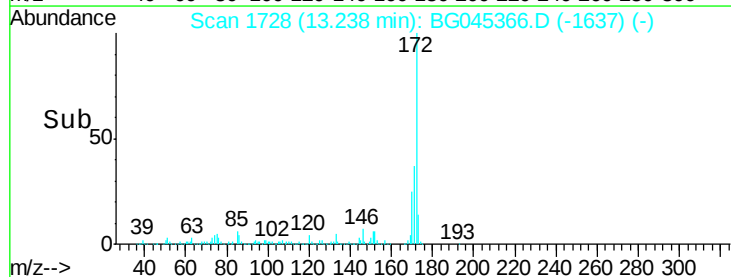
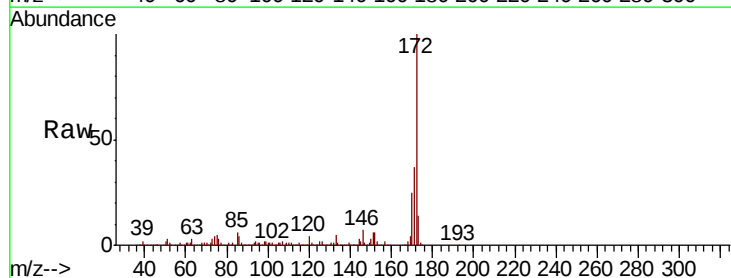
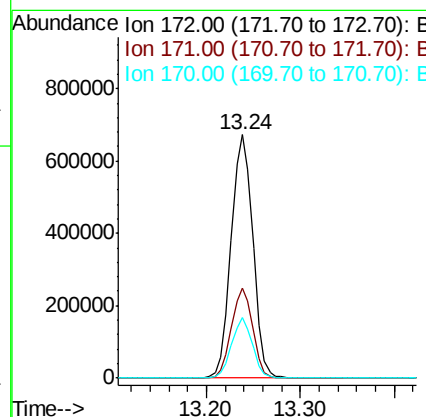
RT: 13.24 min Scan# 1728

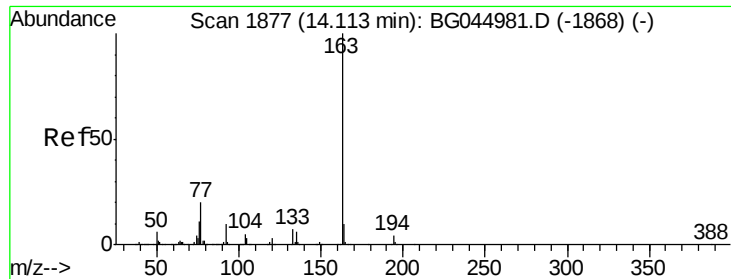
Delta R.T. 0.00 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Tgt Ion:	172	Resp:	1081344
Ion Ratio	Lower	Upper	
172	100		
171	36.8	30.6	46.0
170	24.7	20.5	30.7





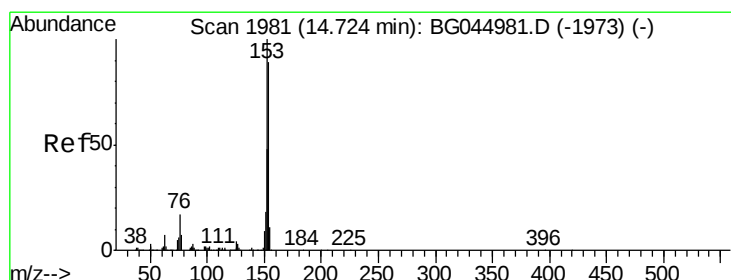
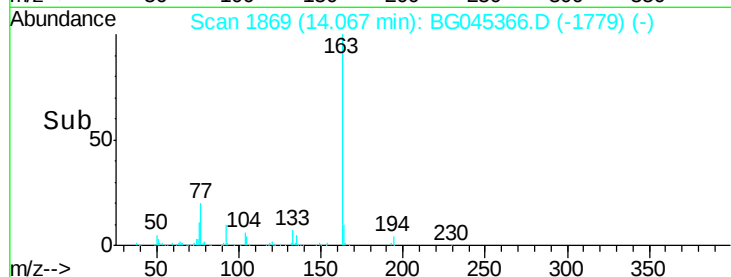
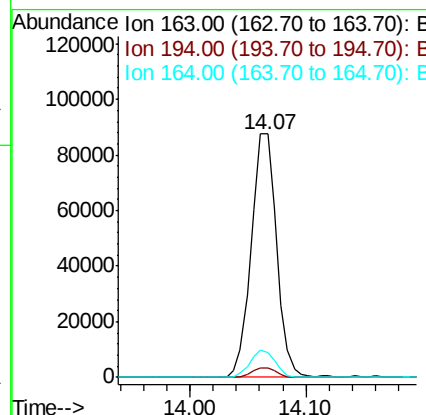
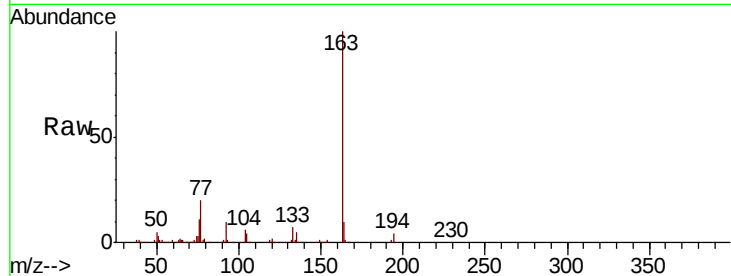
#50
Dimethylphthalate
Concen: 7.081 ng
RT: 14.07 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8		3.5	5.3
164	10.0		8.2	12.4

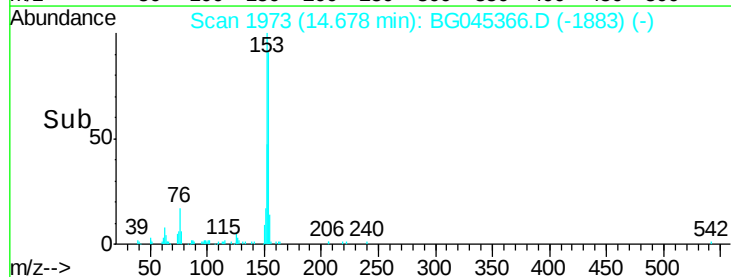
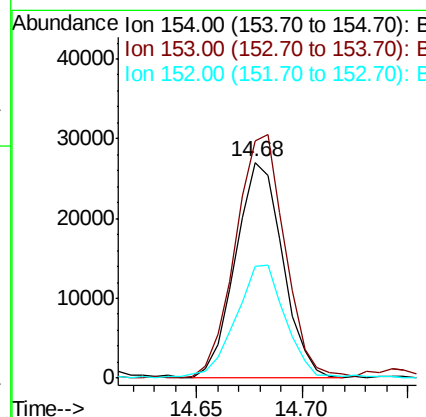
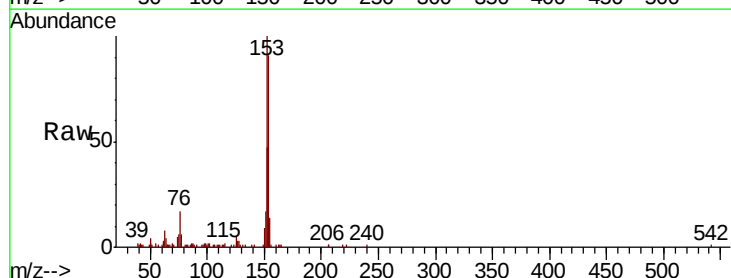
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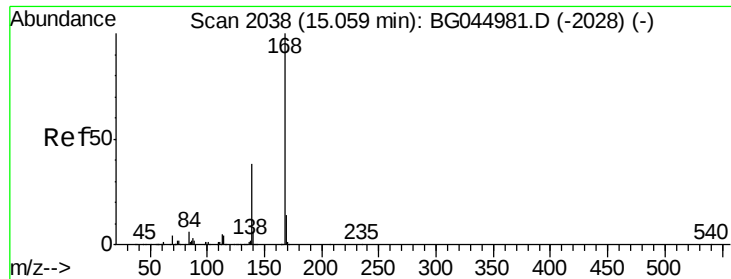
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#52
Acenaphthene
Concen: 2.809 ng
RT: 14.68 min Scan# 1973
Delta R.T. -0.00 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	109.7		89.7	134.5
152	51.9		43.1	64.7





#55

Dibenzenofuran

Concen: 2.158 ng

RT: 15.01 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Instrument :

BNA_G

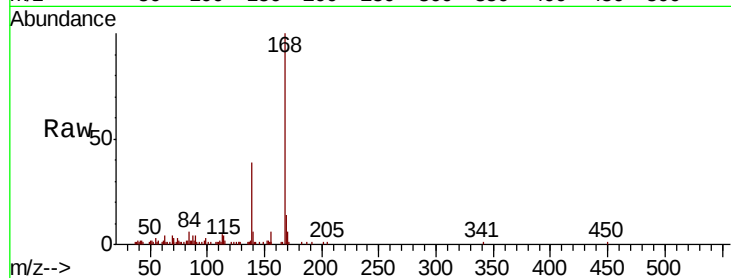
ClientSampleId :

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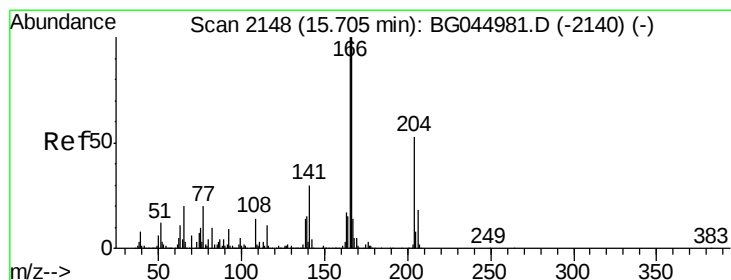
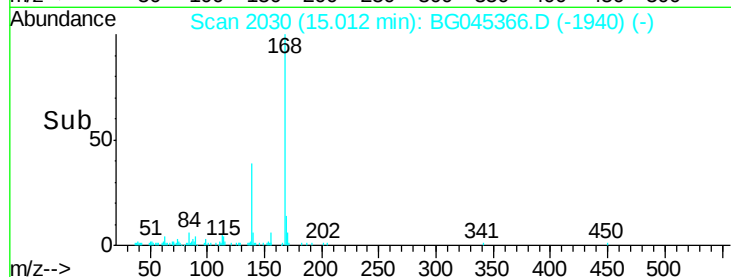
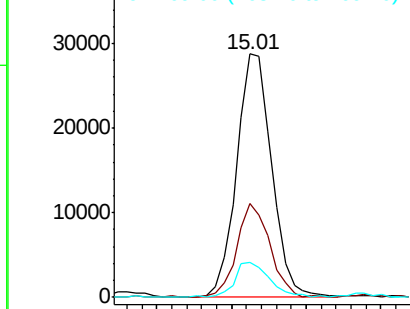
Tot Ion:	168	Resp:	46963
Ion Ratio	Lower	Upper	
168	100		
139	38.6	30.4	45.6
169	14.4	11.0	16.4

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Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E



#58

Fluorene

Concen: 4.352 ng

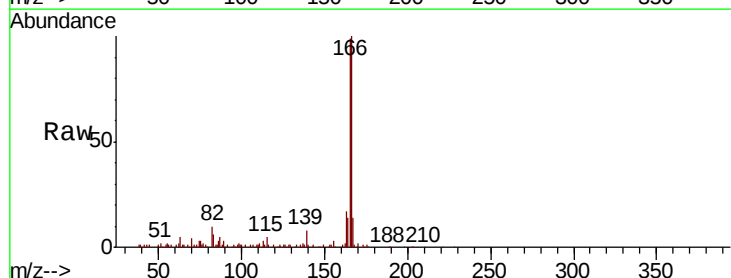
RT: 15.66 min Scan# 2141

Delta R.T. 0.00 min

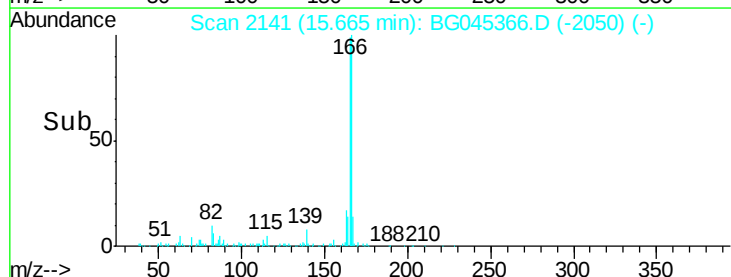
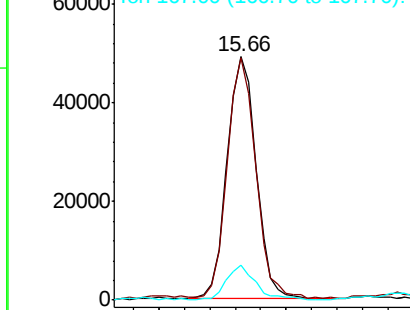
Lab File: BG045366.D

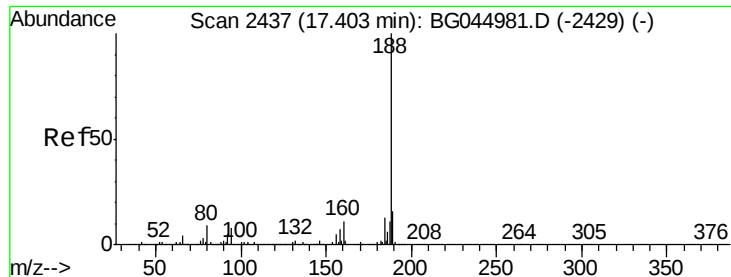
Acq: 13 May 2020 17:55

Tgt Ion:	166	Resp:	77344
Ion Ratio	Lower	Upper	
166	100		
165	99.4	79.9	119.9
167	14.5	11.4	17.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





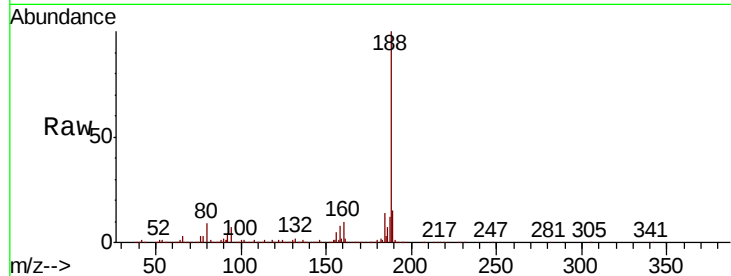
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2431
Delta R.T. 0.00 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-057-B

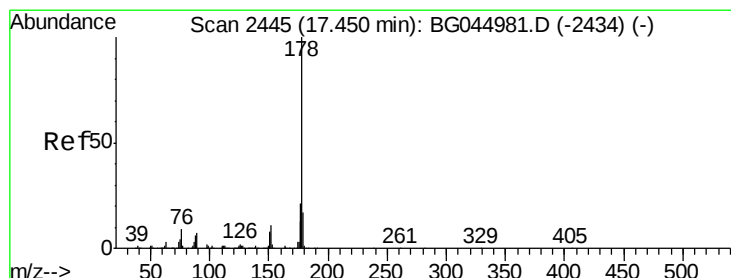
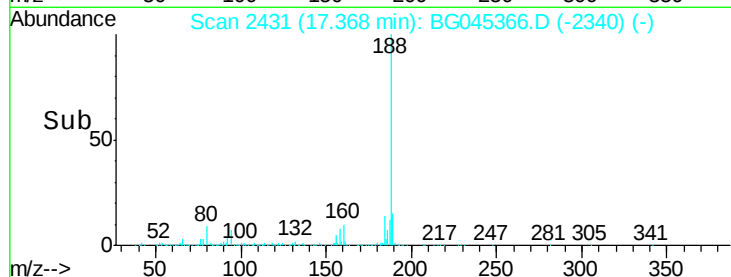
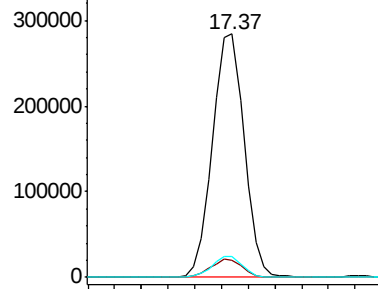
Tot Ion	Ratio	Resp	Lower	Upper
188	100	467162		
94	6.9		6.2	9.4
80	8.6		7.0	10.6

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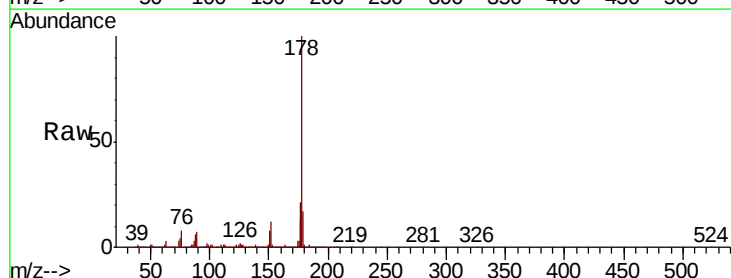


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

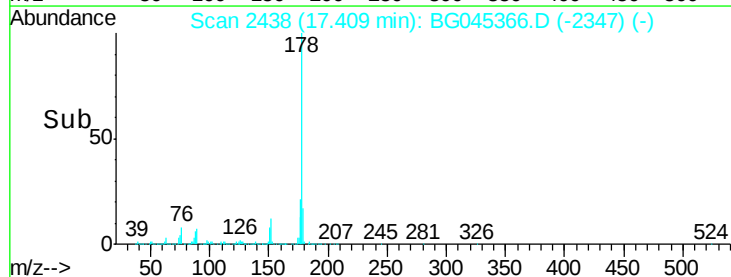
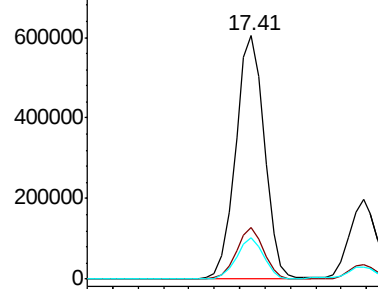


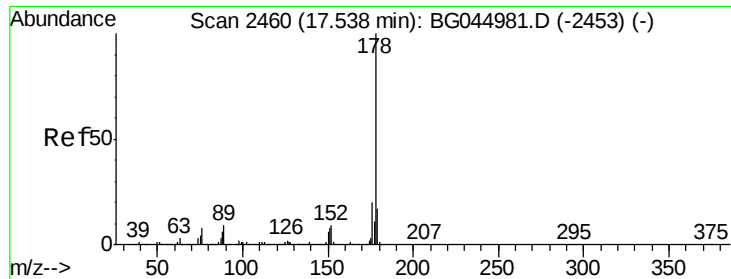
#71
Phenanthrene
Concen: 39.585 ng
RT: 17.41 min Scan# 2438
Delta R.T. 0.00 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	950289		
176	21.3		16.8	25.2
179	17.0		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





#72

Anthracene

Concen: 12.234 ng

RT: 17.50 min Scan# 2453

Delta R.T. 0.00 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Instrument :

BNA_G

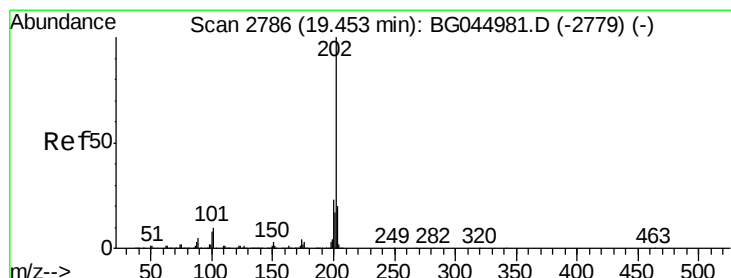
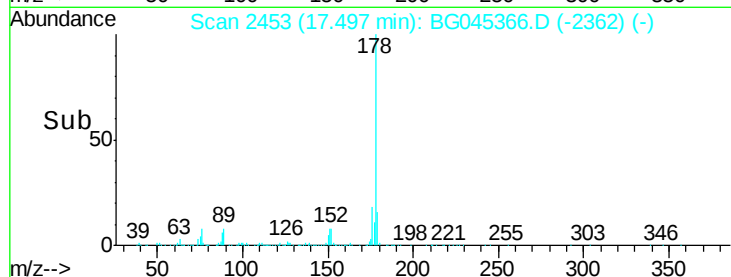
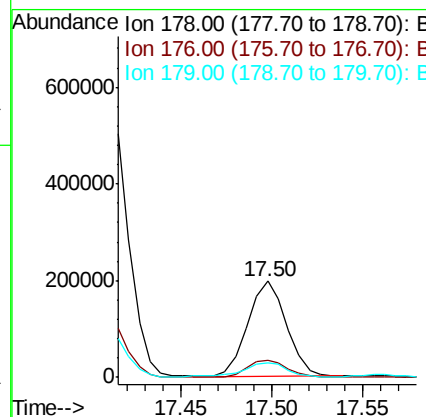
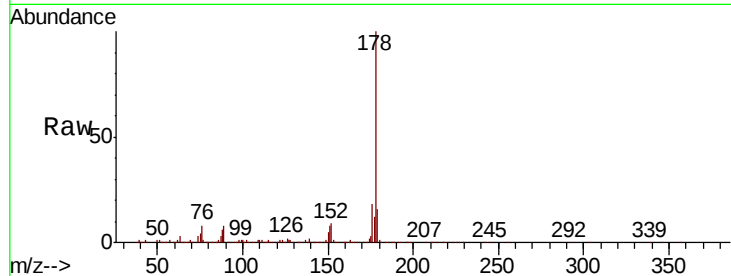
ClientSampleId :

FK-GF-02-057-B

Tot Ion:	178	Resp:	294610
Ion Ratio	Lower	Upper	
178	100		
176	18.1	16.0	24.0
179	15.7	13.6	20.4

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#75

Fluoranthene

Concen: 46.674 ng

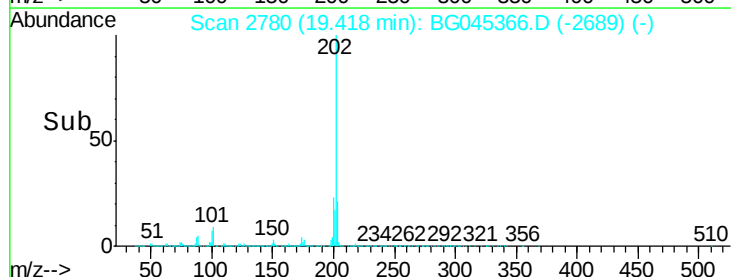
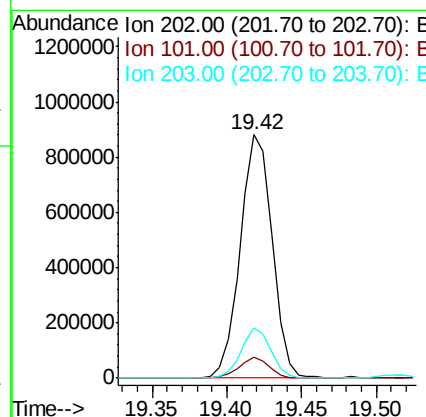
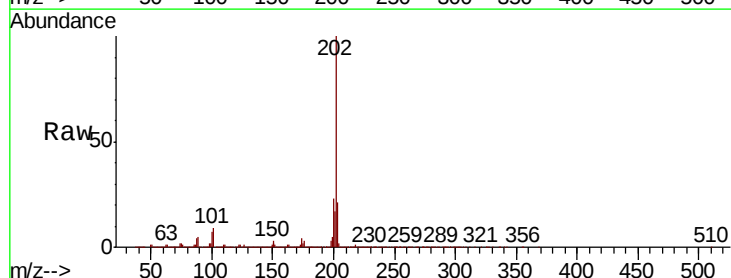
RT: 19.42 min Scan# 2780

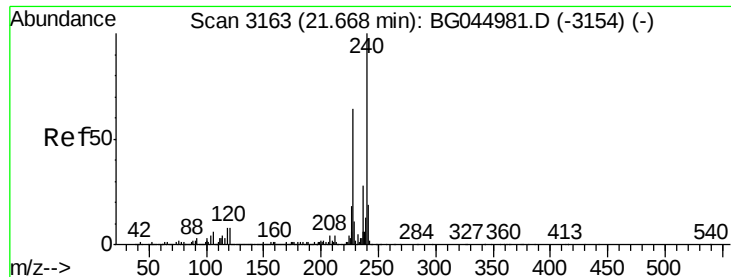
Delta R.T. 0.00 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Tgt Ion:	202	Resp:	1310506
Ion Ratio	Lower	Upper	
202	100		
101	8.7	0.0	29.6
203	20.6	0.0	39.7





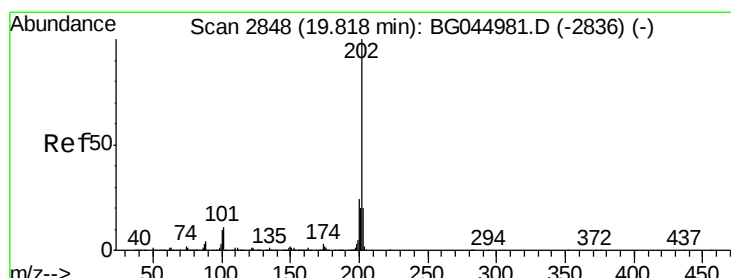
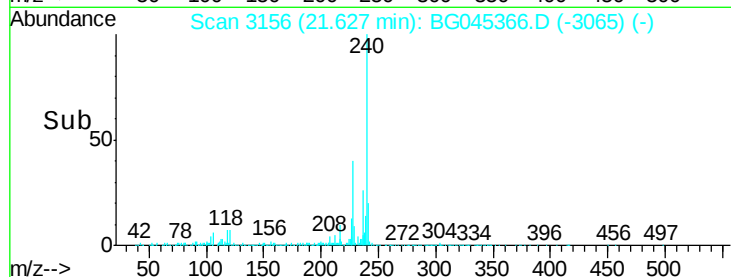
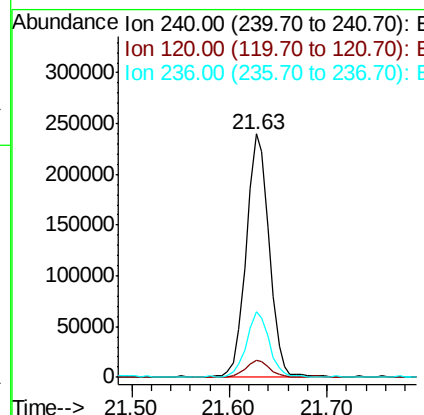
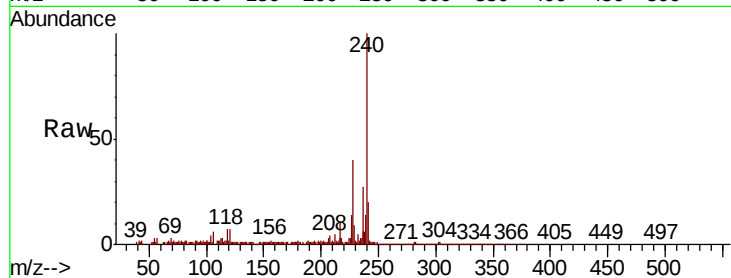
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.63 min Scan# 3156
Delta R.T. 0.00 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.2	6.6	10.0
236	26.8	22.2	33.2

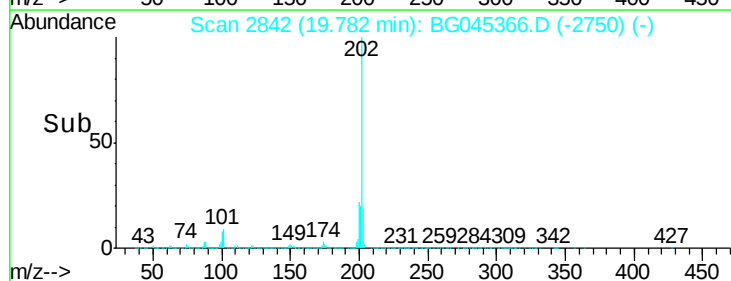
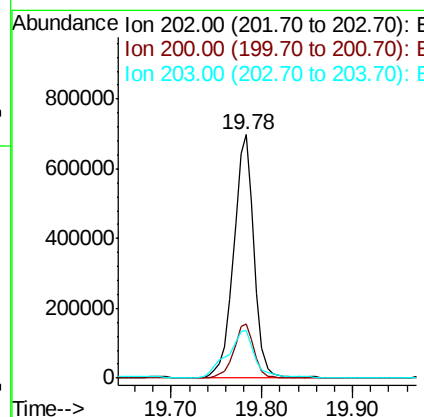
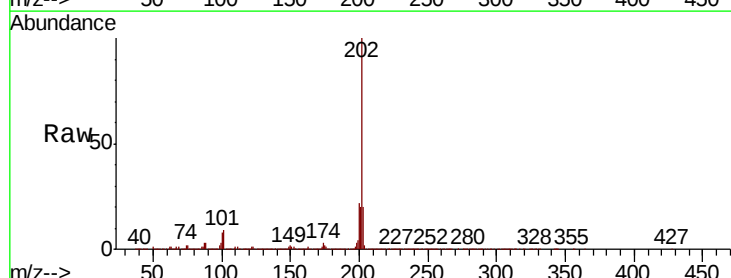
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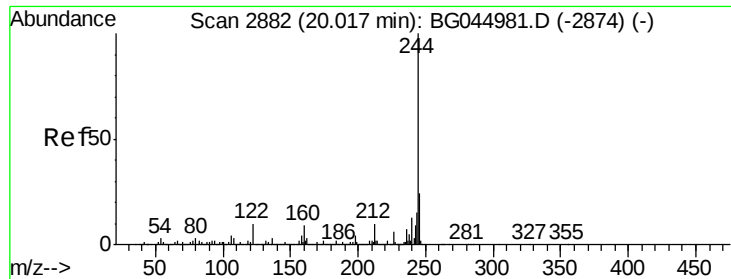
mohammad
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#78
Pyrene
Concen: 40.485 ng
RT: 19.78 min Scan# 2842
Delta R.T. 0.01 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	19.0	28.6
203	19.6	16.1	24.1





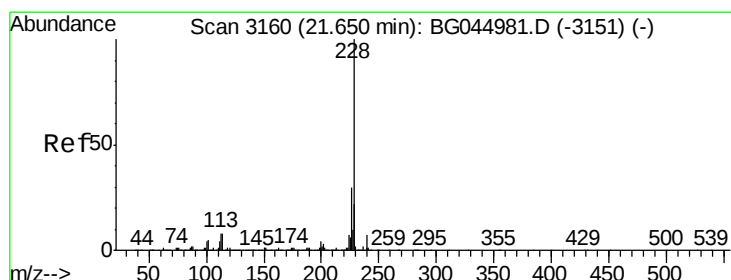
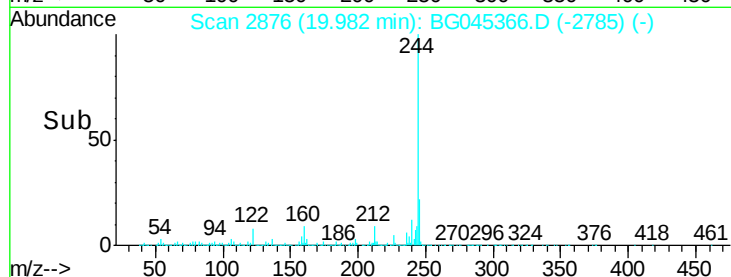
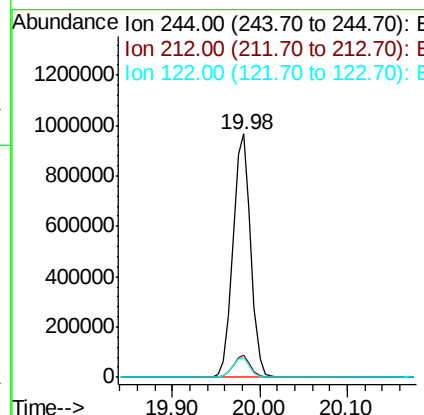
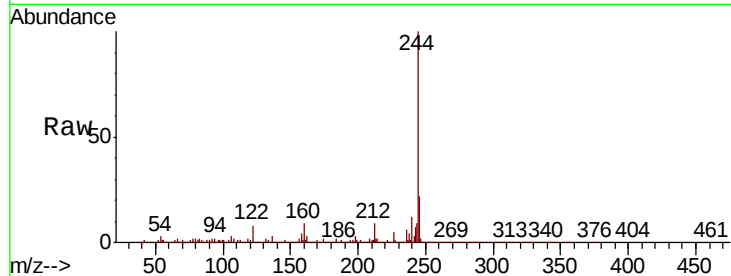
#79
 Terphenyl-d14
 Concen: 75.216 ng
 RT: 19.98 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: BG045366.D
 Acq: 13 May 2020 17:55

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.9	7.9	11.9
122	7.9	7.7	11.5

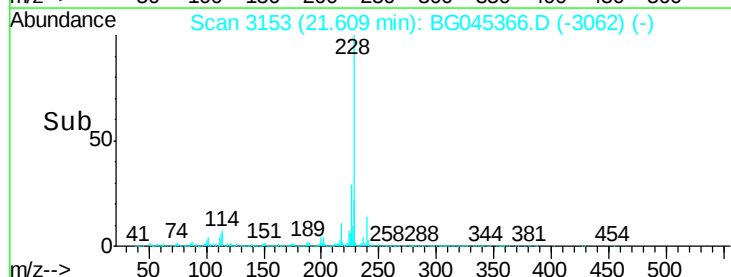
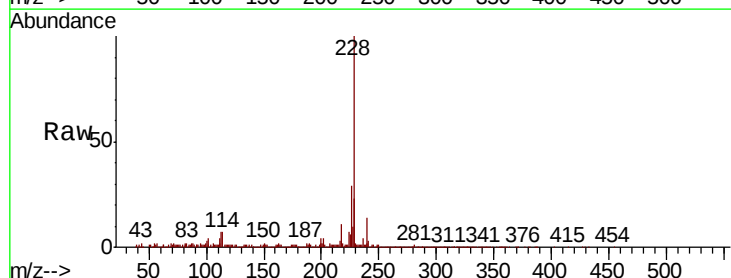
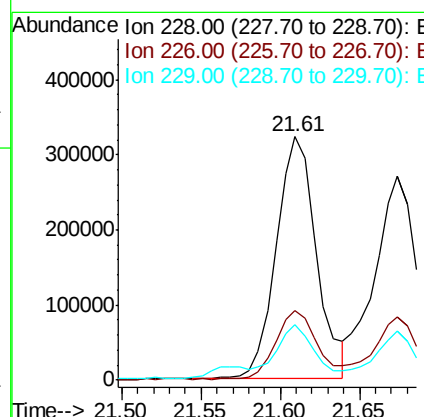
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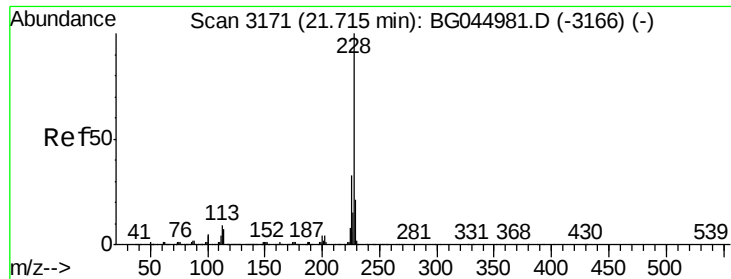
mohammad
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#81
 Benzo(a)anthracene
 Concen: 22.558 ng
 RT: 21.61 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: BG045366.D
 Acq: 13 May 2020 17:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.0	36.0
229	22.5	17.5	26.3





#83

Chrysene

Concen: 20.351 ng

RT: 21.67 min Scan# 3164

Delta R.T. 0.00 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Instrument :

BNA_G

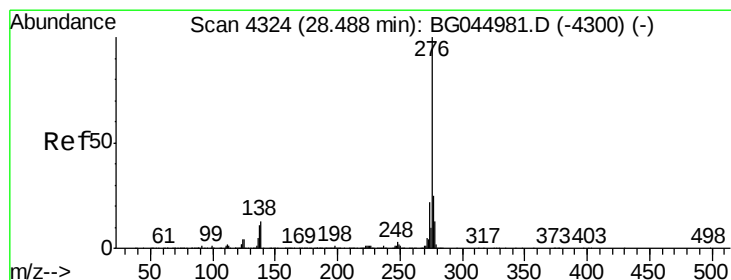
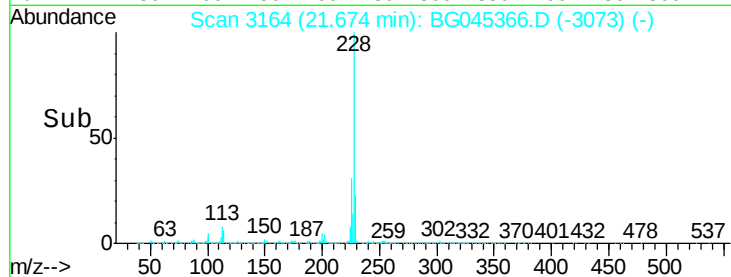
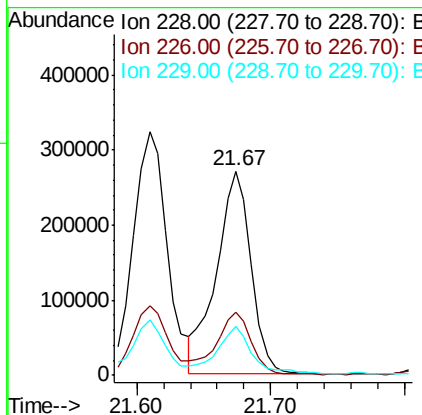
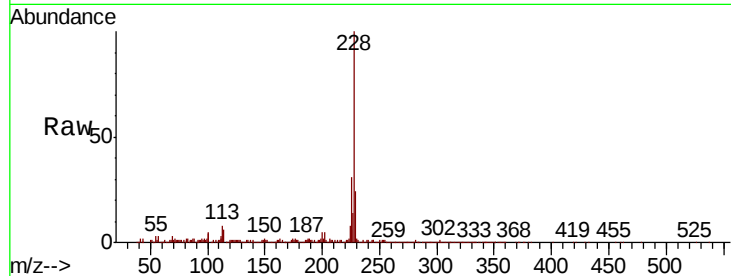
ClientSampleId :

FK-GF-02-057-B

Tot Ion:	228	Resp:	491983
Ion Ratio	Lower	Upper	
228	100		
226	31.0	26.2	39.4
229	24.2	17.0	25.6

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#86

Indeno(1,2,3-cd)pyrene

Concen: 10.754 ng

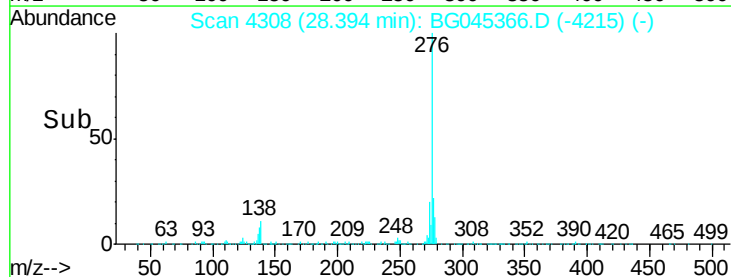
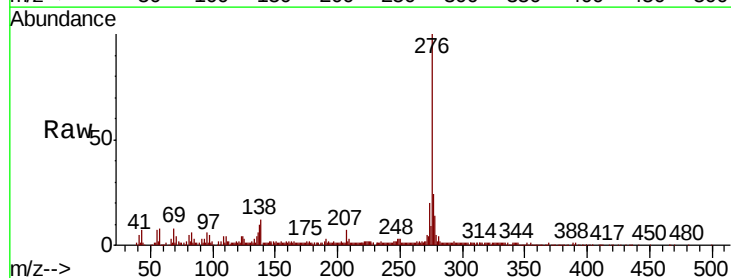
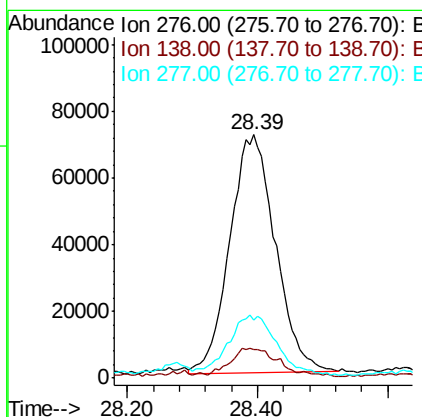
RT: 28.39 min Scan# 4308

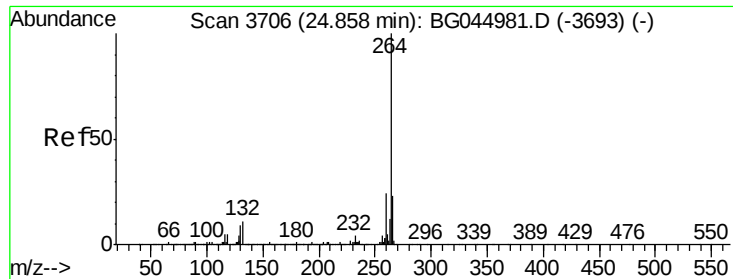
Delta R.T. 0.01 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Tgt Ion:	276	Resp:	345181
Ion Ratio	Lower	Upper	
276	100		
138	12.4	9.6	14.4
277	27.0	20.6	31.0





#87

Pervlene-d12

Concen: 20.000 ng

RT: 24.80 min Scan# 3696

Delta R.T. 0.01 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Instrument :

BNA_G

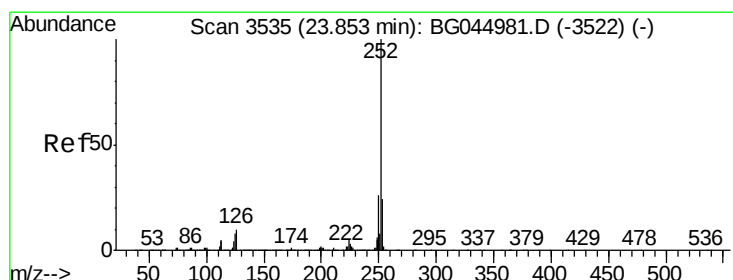
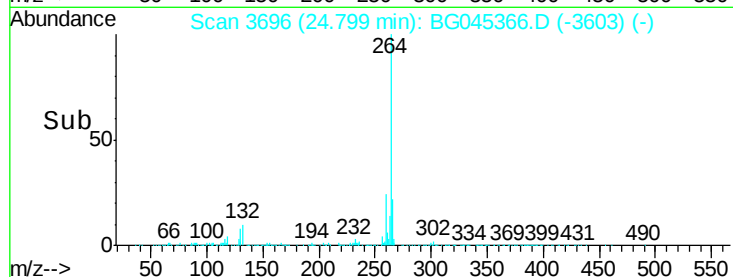
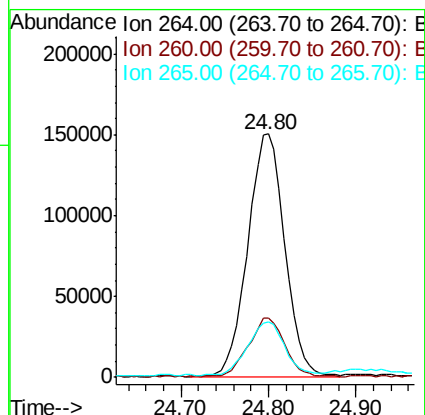
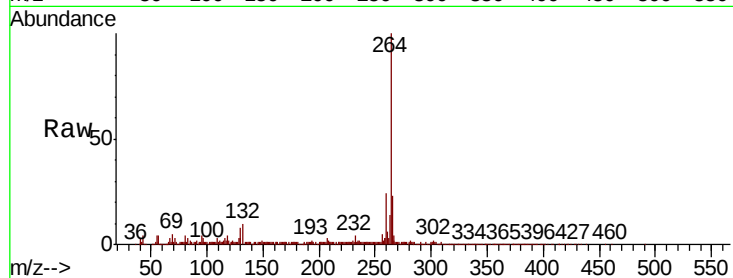
ClientSampleId :

FK-GF-02-057-B

Tot Ion:	264	Resp:	429722
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	22.8	19.0	28.4

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#88

Benzo(b)fluoranthene

Concen: 24.024 ng

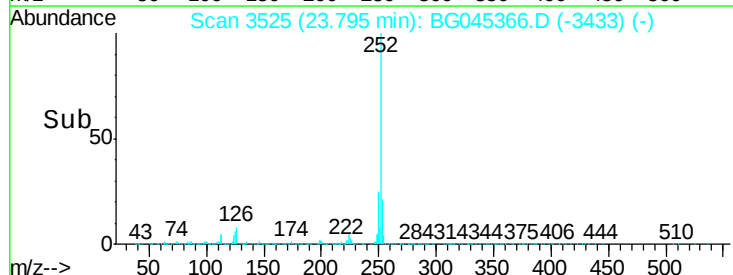
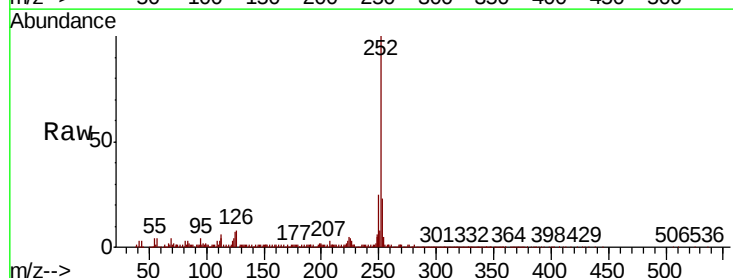
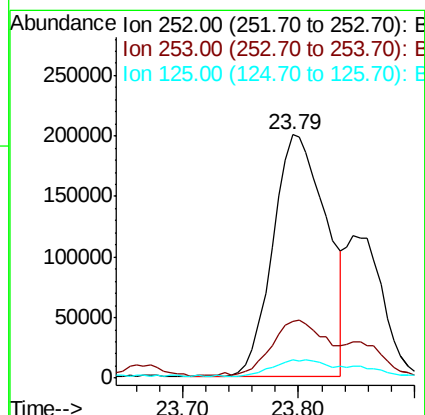
RT: 23.79 min Scan# 3525

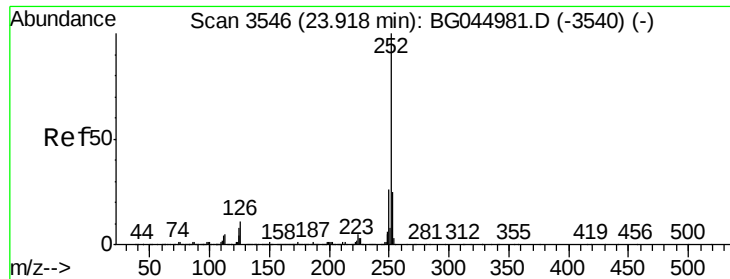
Delta R.T. 0.01 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Tgt Ion:	252	Resp:	646673
Ion Ratio	Lower	Upper	
252	100		
253	23.4	18.8	28.2
125	7.3	6.2	9.4





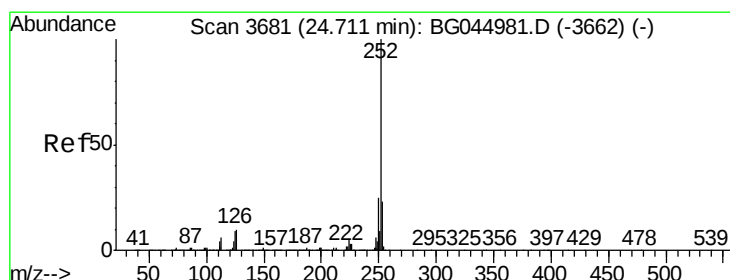
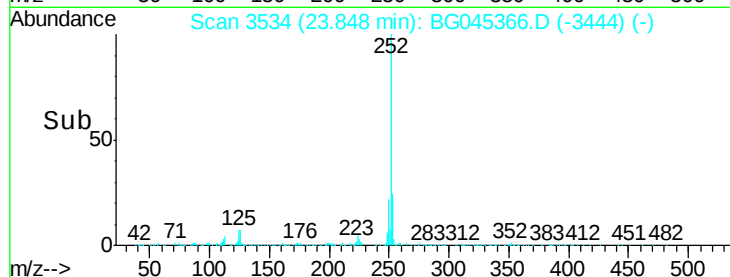
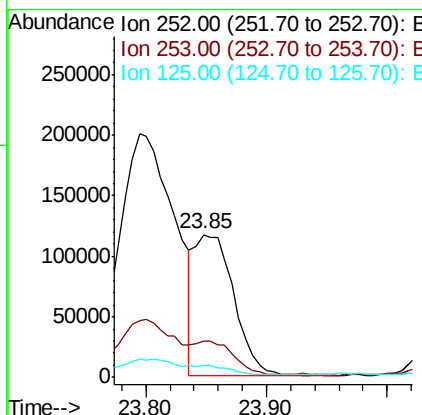
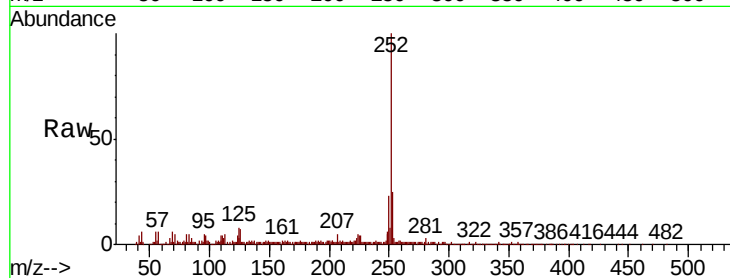
#89
Benzo(k)fluoranthene
Concen: 10.144 ng m
RT: 23.85 min Scan# 3534
Delta R.T. -0.00 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-057-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.4	19.2	28.8
125	8.5	5.9	8.9

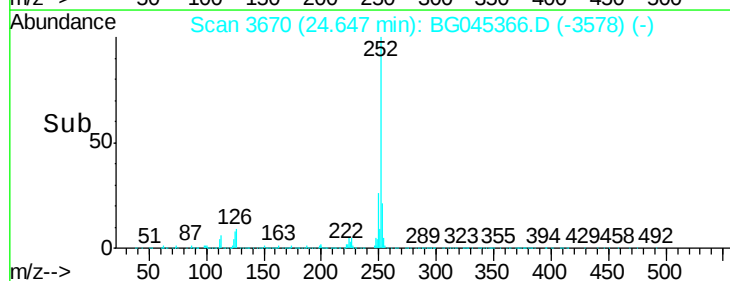
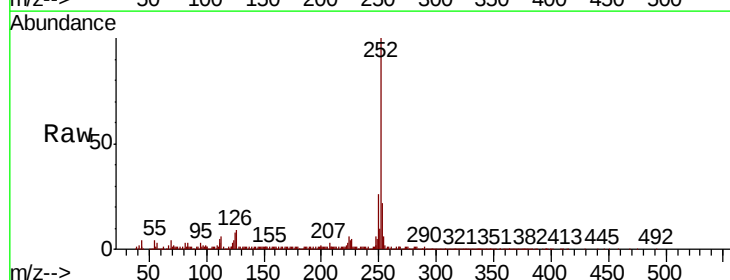
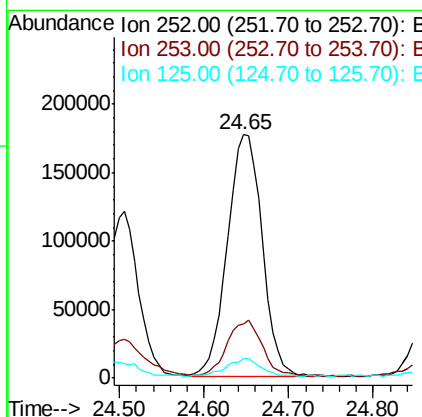
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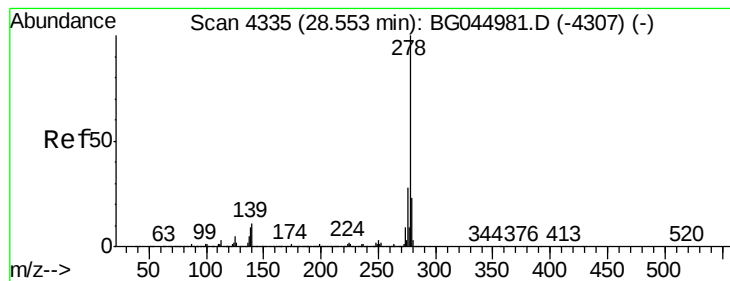
mohammad
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#90
Benzo(a)pyrene
Concen: 19.919 ng
RT: 24.65 min Scan# 3670
Delta R.T. 0.01 min
Lab File: BG045366.D
Acq: 13 May 2020 17:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.3	27.5
125	8.2	7.0	10.6





#91

Dibenzo(a,h)anthracene

Concen: 3.311 ng

RT: 28.45 min Scan# 4317

Delta R.T. 0.01 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Instrument :

BNA_G

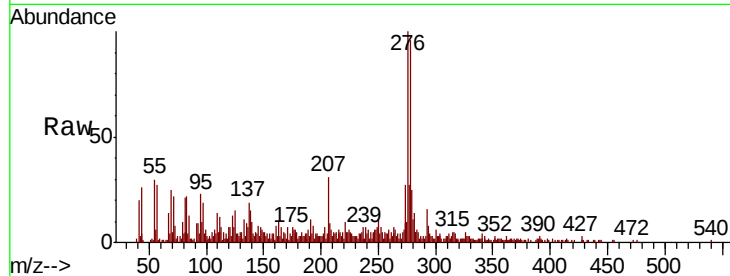
ClientSampleId :

FK-GF-02-057-B

Tot Ion:	278	Resp:	84792
Ion Ratio	Lower	Upper	
278	100		
139	10.1	9.0	13.6
279	26.5	18.4	27.6

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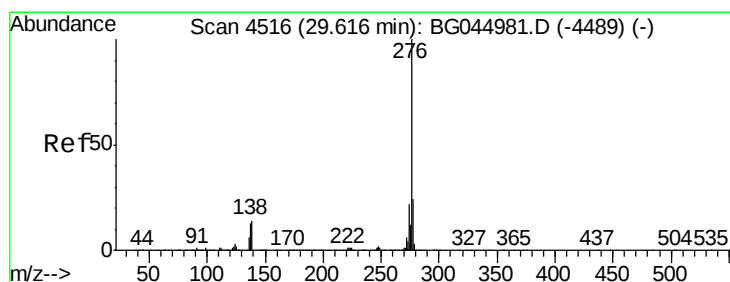
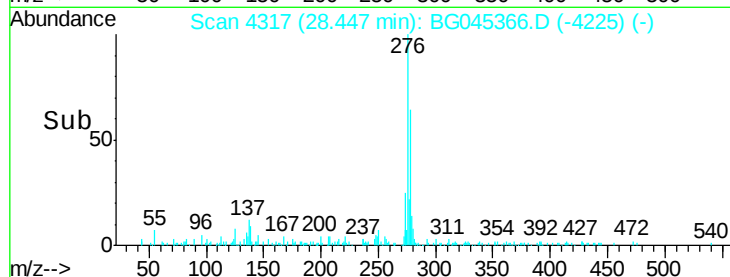
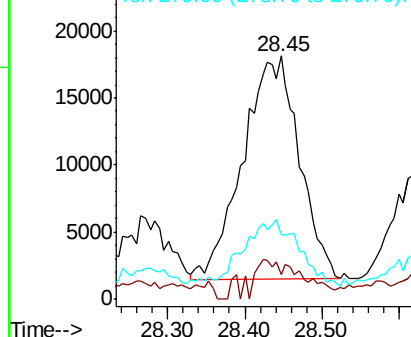


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 12.672 ng

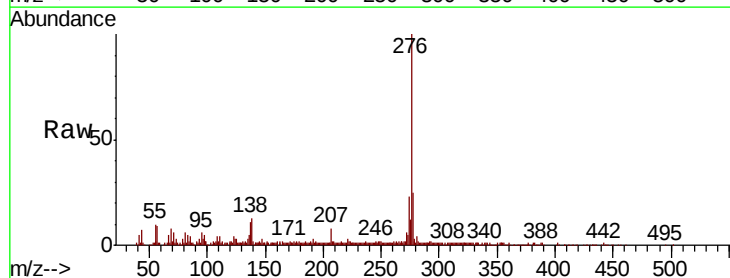
RT: 29.52 min Scan# 4499

Delta R.T. 0.01 min

Lab File: BG045366.D

Acq: 13 May 2020 17:55

Tgt Ion:	276	Resp:	325341
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.3	28.9
138	12.6	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

