

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045369.D
 Acq On : 13 May 2020 19:54
 Operator : CG/JU
 Sample : L2594-01
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-056-A

Manual Integrations
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mohammad
 5/14/2020 11:54:35 AM

Quant Time: May 14 01:56:29 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	7.98	152	84717	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	347619	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	235760	20.00	ng	0.00
64) Phenanthrene-d10	17.36	188	455527	20.00	ng	0.00
76) Chrysene-d12	21.63	240	375987	20.00	ng	0.00
87) Perylene-d12	24.81	264	410975	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	421977	82.23	ng	0.00
7) Phenol-d6	7.15	99	632636	82.98	ng	0.00
23) Nitrobenzene-d5	9.13	82	427850	56.16	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	274494	75.37	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	985841	61.31	ng	0.00
79) Terphenyl-d14	19.98	244	1190269	69.00	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.07	163	121003	6.303	ng	98
71) Phenanthrene	17.40	178	109868	4.694	ng	95
75) Fluoranthene	19.42	202	335764	6.992	ng	97
78) Pyrene	19.78	202	309569	11.943	ng	95
81) Benzo(a)anthracene	21.61	228	209366	8.591	ng	98
83) Chrysene	21.68	228	190786	8.148	ng	95
86) Indeno(1,2,3-cd)pyrene	28.39	276	119920	3.858	ng	# 81
88) Benzo(b)fluoranthene	23.80	252	286898	11.145	ng	98
89) Benzo(k)fluoranthene	23.85	252	93399m	3.815	ng	
90) Benzo(a)pyrene	24.65	252	195745	8.053	ng	98
92) Benzo(g,h,i)perylene	29.51	276	114791	4.675	ng	95

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

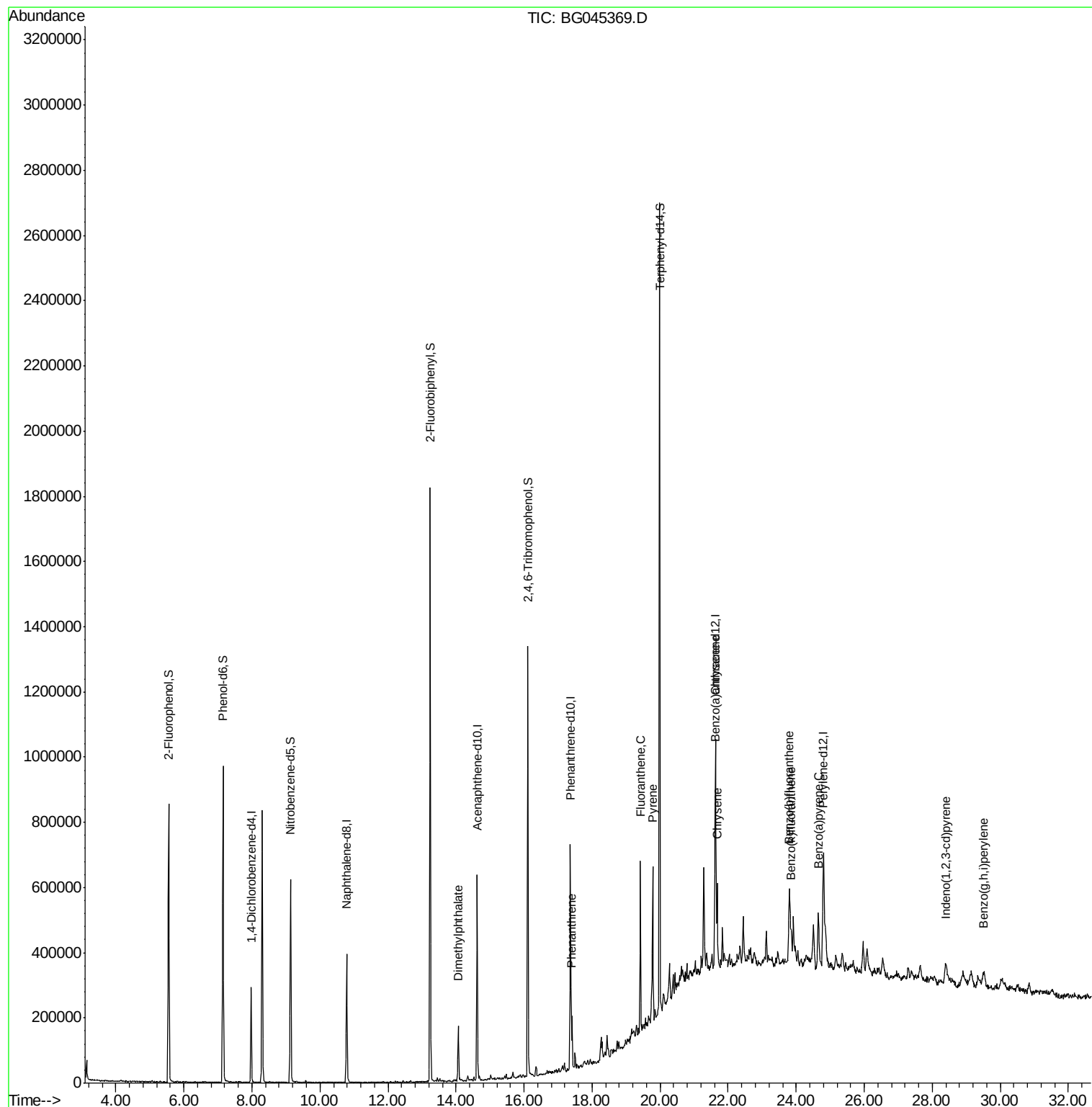
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045369.D
Acq On : 13 May 2020 19:54
Operator : CG/JU
Sample : L2594-01
Misc :
ALS Vial : 41 Sample Multiplier: 1

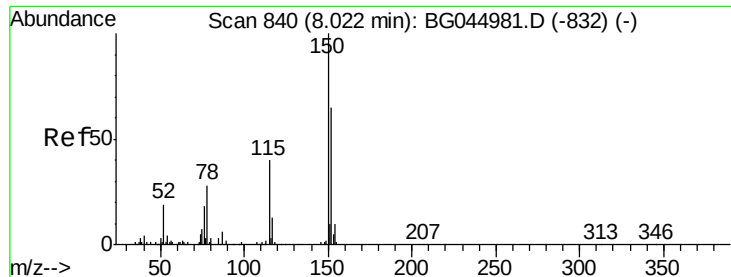
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-056-A

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Quant Time: May 14 01:56:29 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
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#1

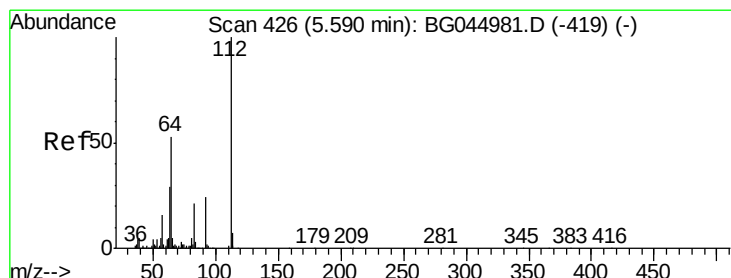
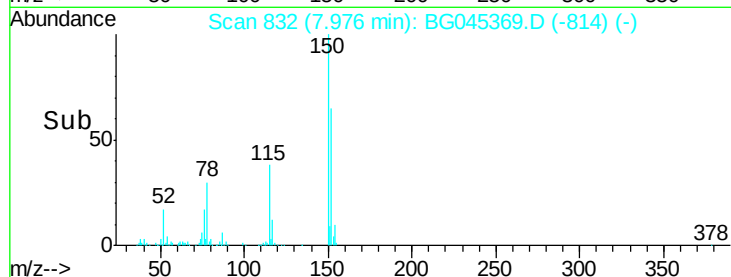
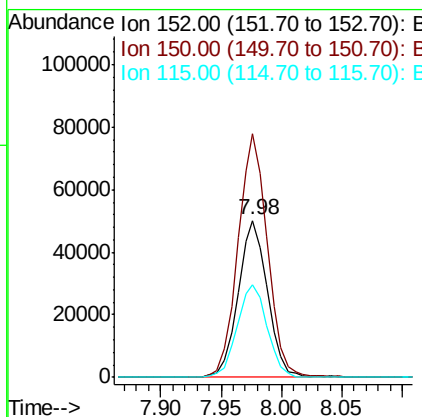
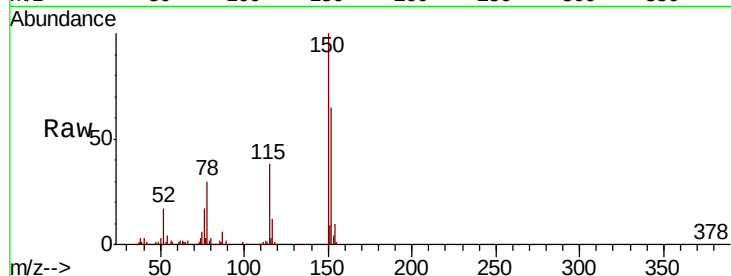
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.98 min Scan# 832
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-056-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.6	185.4
115	59.2	49.1	73.7

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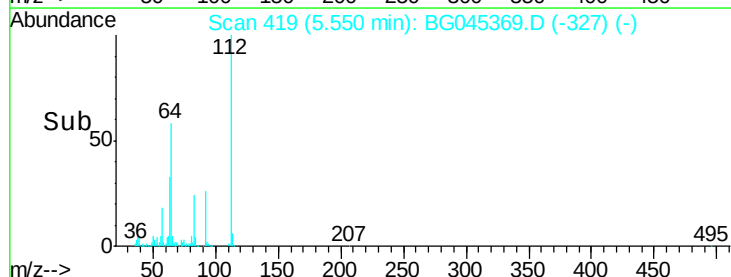
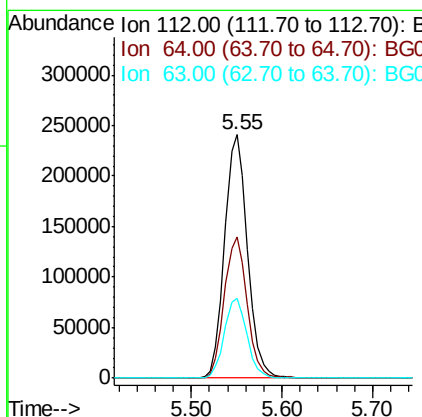
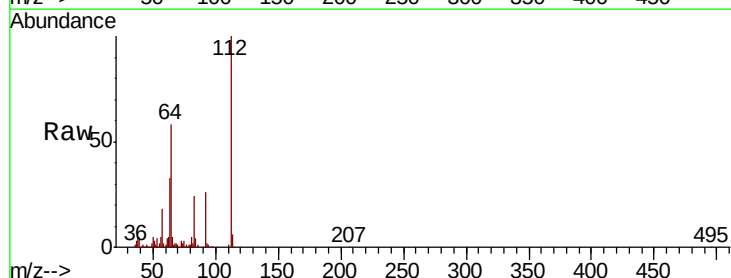
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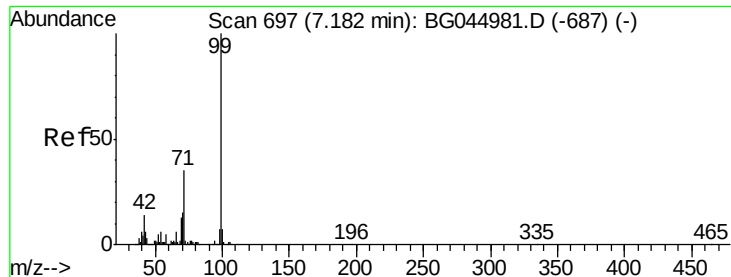


#5

2-Fluorophenol
Concen: 82.234 ng
RT: 5.55 min Scan# 419
Delta R.T. 0.01 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	42.4	63.6
63	32.9	23.1	34.7





#7

Phenol-d6

Concen: 82.979 ng

RT: 7.15 min Scan# 691

Delta R.T. 0.01 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

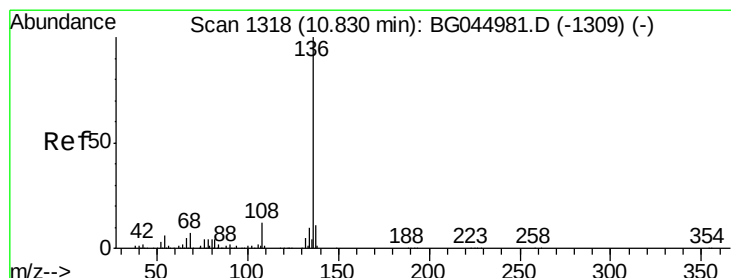
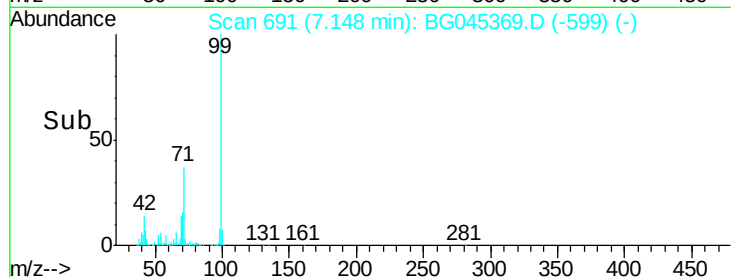
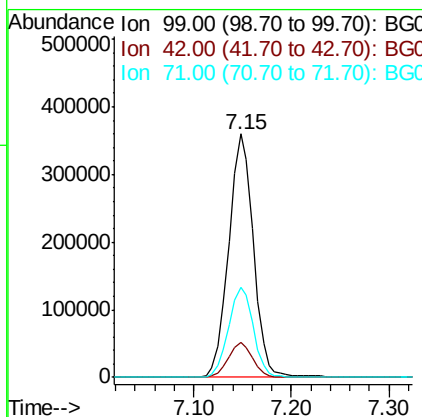
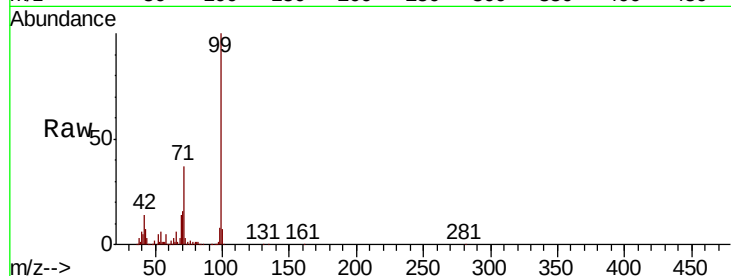
ClientSampleId :

FK-GF-02-056-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		632636		
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

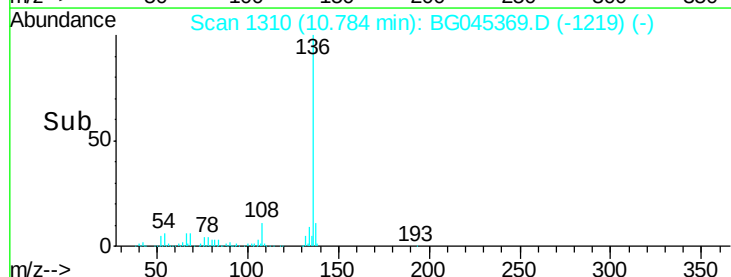
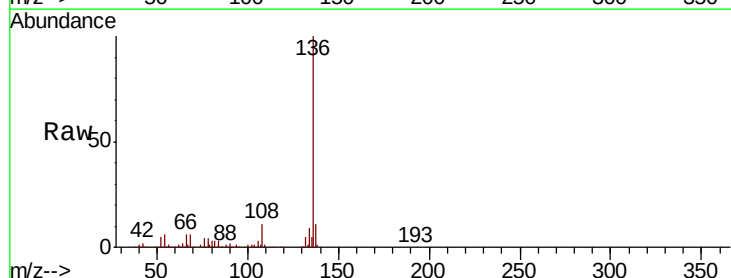
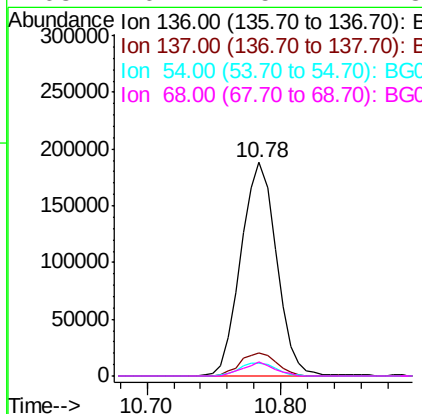
RT: 10.78 min Scan# 1310

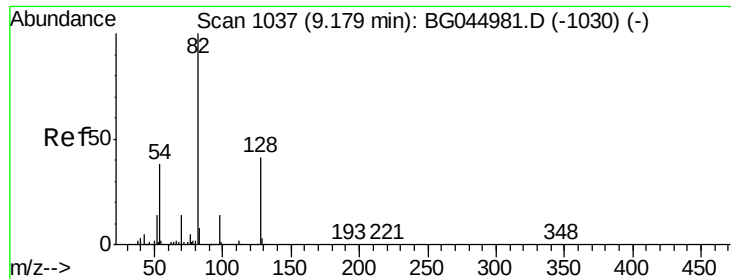
Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		347619		
137	10.6	8.6	13.0		
54	6.3	4.8	7.2		
68	6.4	5.2	7.8		





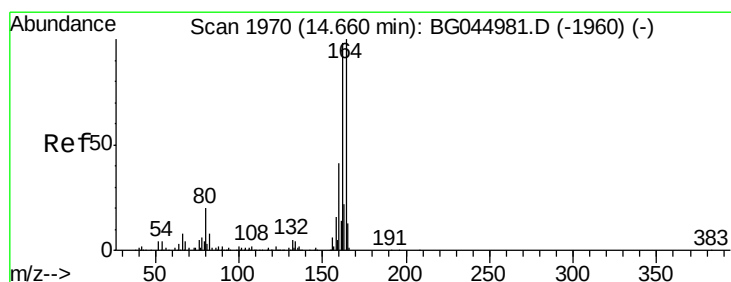
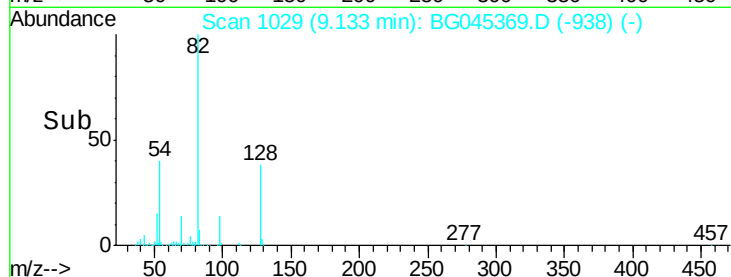
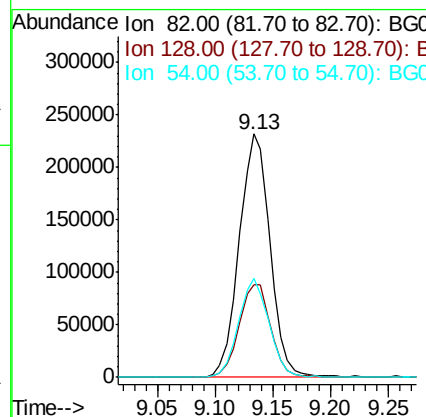
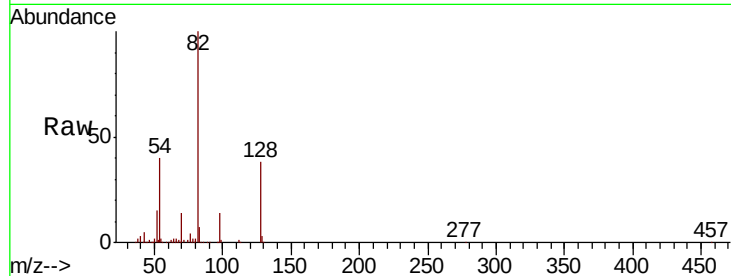
#23
Nitrobenzene-d5
Concen: 56.160 ng
RT: 9.13 min Scan# 1029
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-056-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.2	33.0	49.4
54	40.4	30.4	45.6

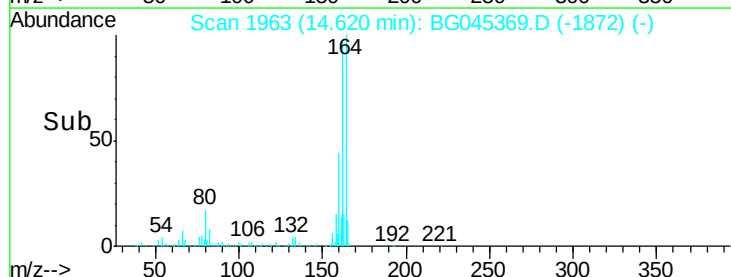
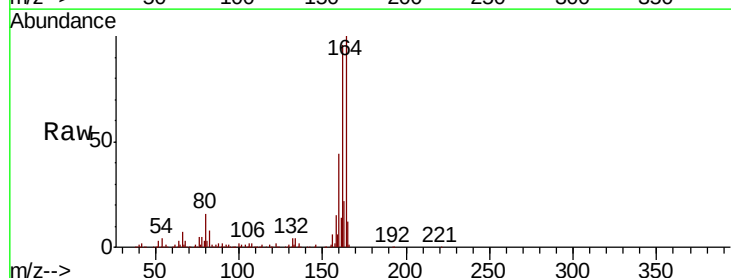
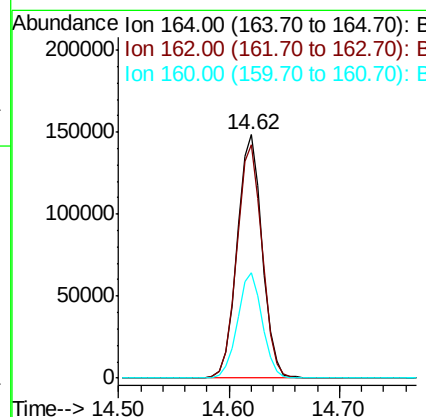
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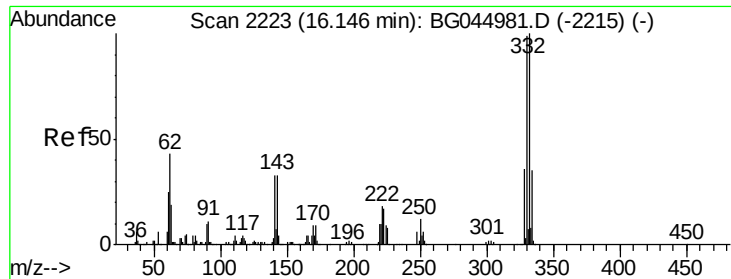
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.0	78.7	118.1
160	43.5	32.8	49.2





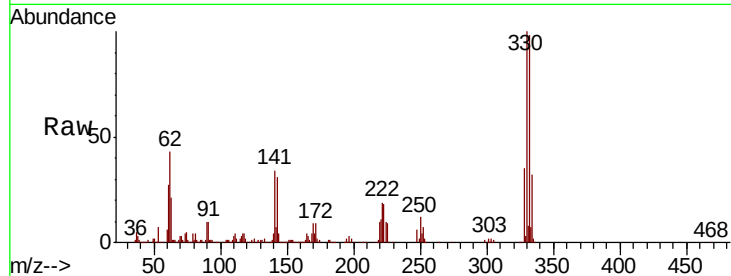
#42
 2,4,6-Tribromophenol
 Concen: 75.365 ng
 RT: 16.11 min Scan# 2217
 Delta R.T. 0.00 min
 Lab File: BG045369.D
 Acq: 13 May 2020 19:54

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-056-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	274494		
332	97.0		79.1	118.7
141	36.3		27.1	40.7

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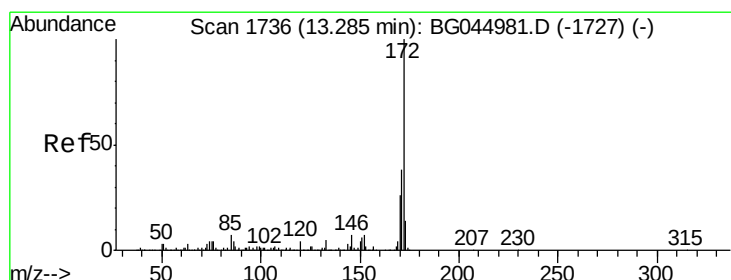
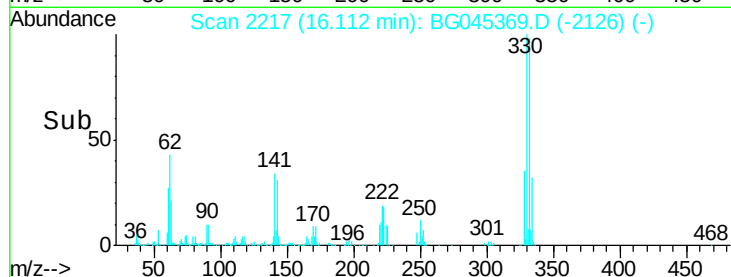
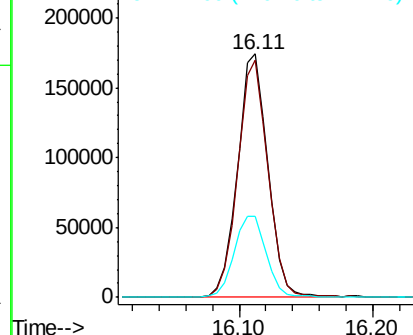


Abundance

Ion 329.80 (329.50 to 330.50): E

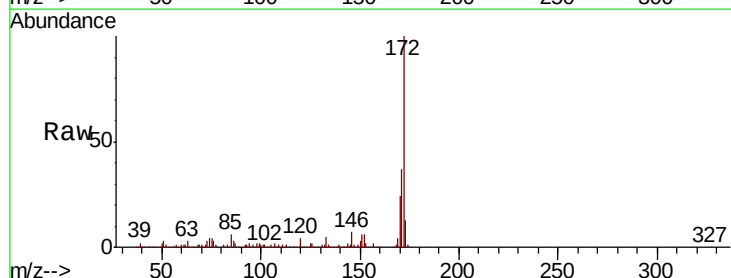
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 61.315 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: BG045369.D
 Acq: 13 May 2020 19:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	985841		
171	36.8		30.6	46.0
170	24.0		20.5	30.7

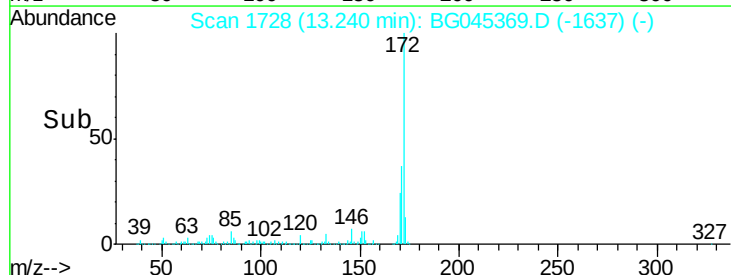
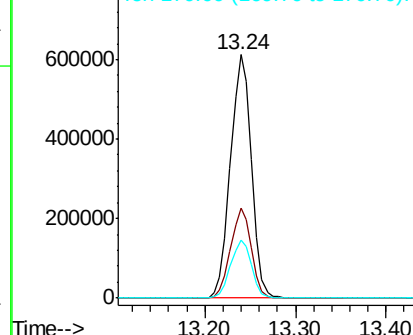


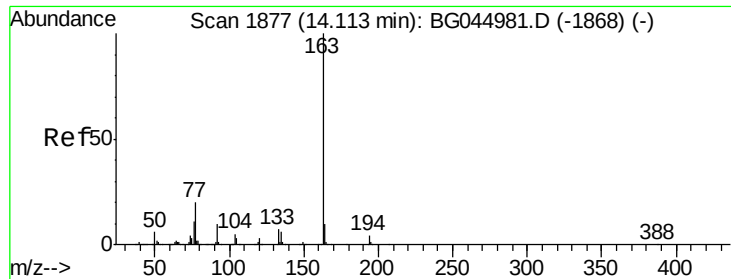
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.303 ng

RT: 14.07 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

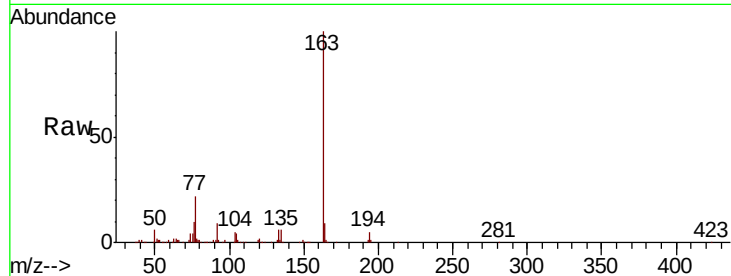
ClientSampleId :

FK-GF-02-056-A

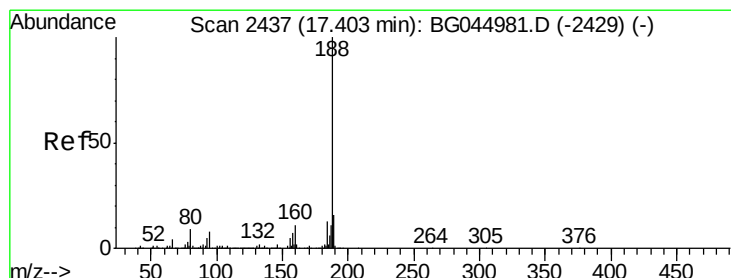
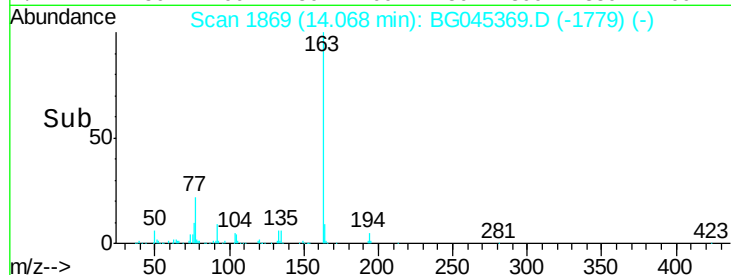
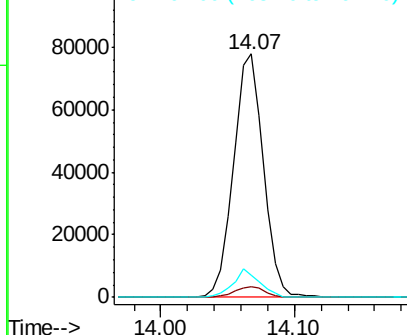
Tot Ion:	163	Resp:	121003
Ion Ratio	Lower	Upper	
163	100		
194	4.5	3.5	5.3
164	9.3	8.2	12.4

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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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.36 min Scan# 2430

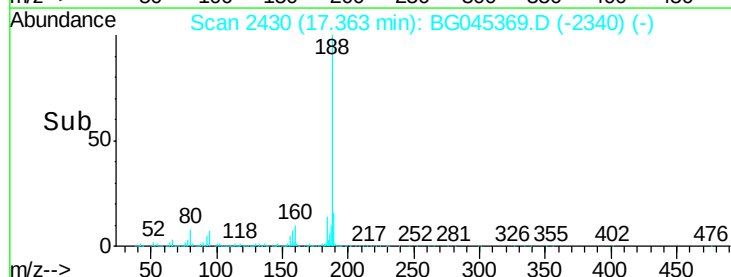
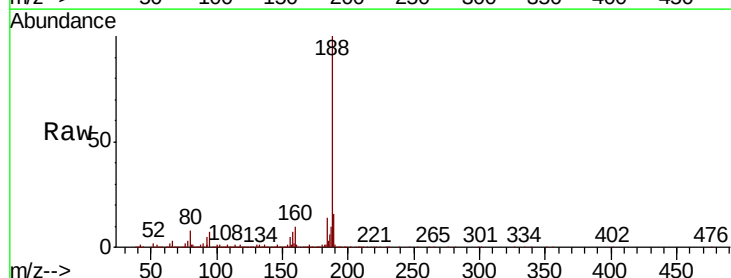
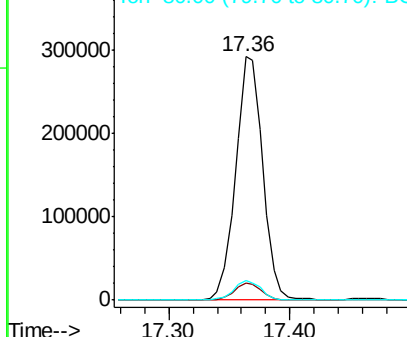
Delta R.T. -0.00 min

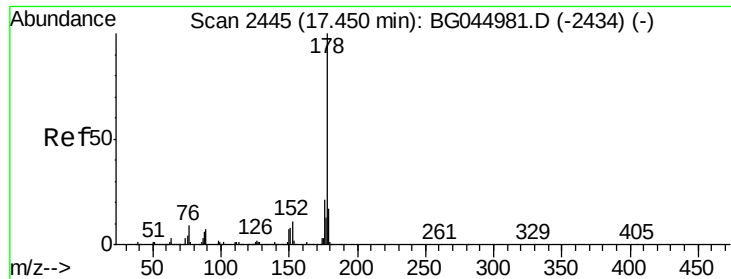
Lab File: BG045369.D

Acq: 13 May 2020 19:54

Tgt Ion:	188	Resp:	455527
Ion Ratio	Lower	Upper	
188	100		
94	6.7	6.2	9.4
80	8.3	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





#71

Phenanthrene

Concen: 4.694 ng

RT: 17.40 min Scan# 2437

Delta R.T. -0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

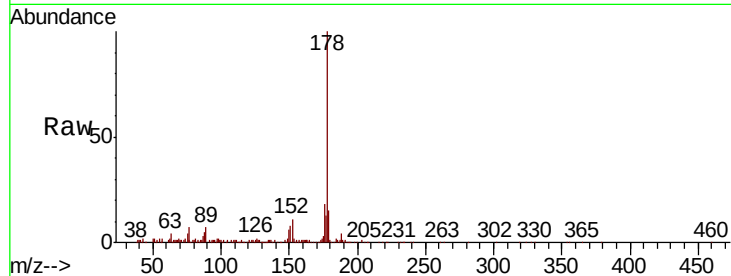
ClientSampleId :

FK-GF-02-056-A

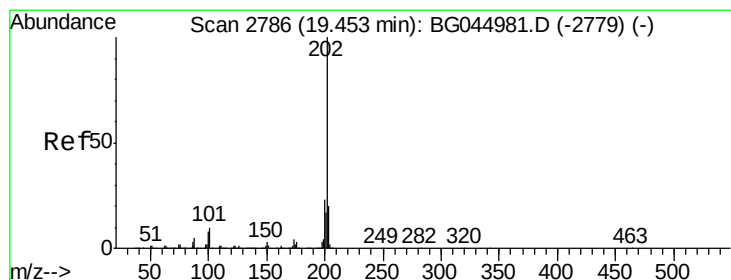
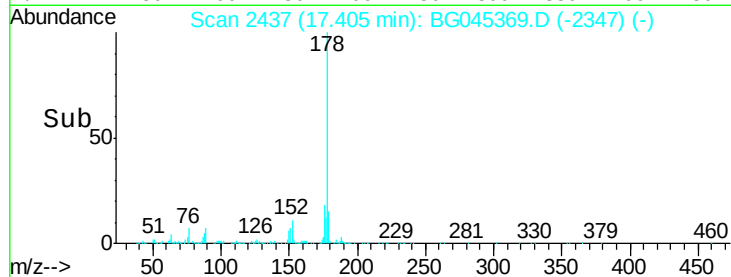
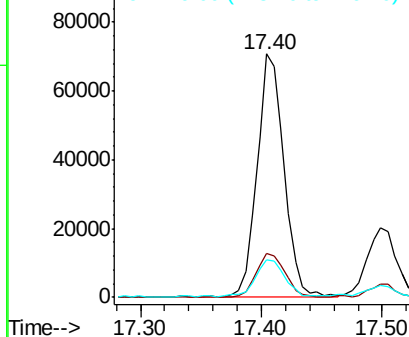
Tot Ion:	178	Resp:	109868
Ion Ratio	Lower	Upper	
178	100		
176	18.2	16.8	25.2
179	15.3	13.2	19.8

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 6.992 ng

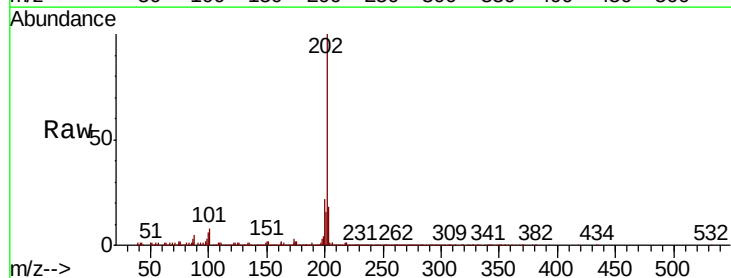
RT: 19.42 min Scan# 2780

Delta R.T. 0.00 min

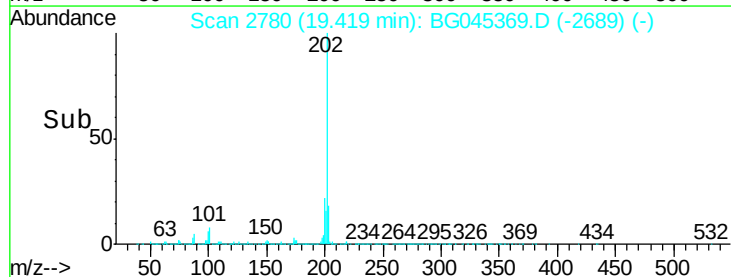
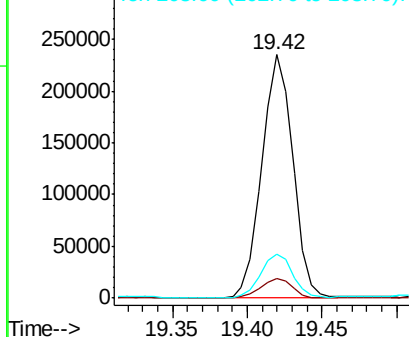
Lab File: BG045369.D

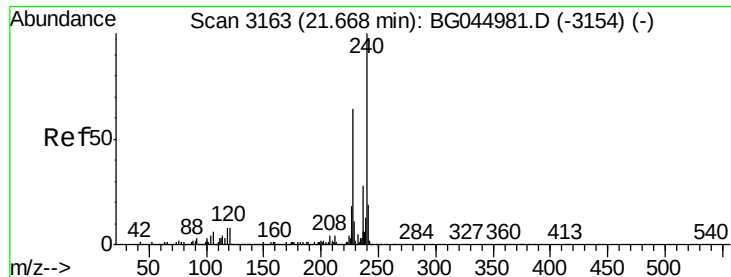
Acq: 13 May 2020 19:54

Tgt Ion:	202	Resp:	335764
Ion Ratio	Lower	Upper	
202	100		
101	8.2	0.0	29.6
203	18.2	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: 21.63 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

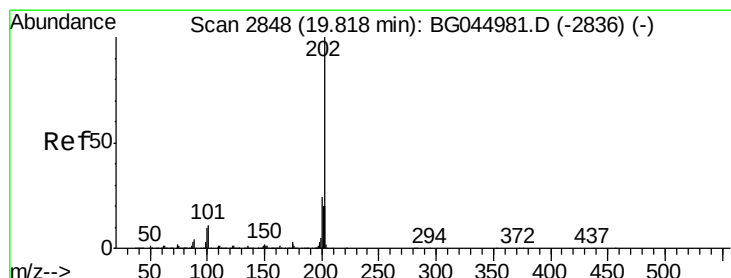
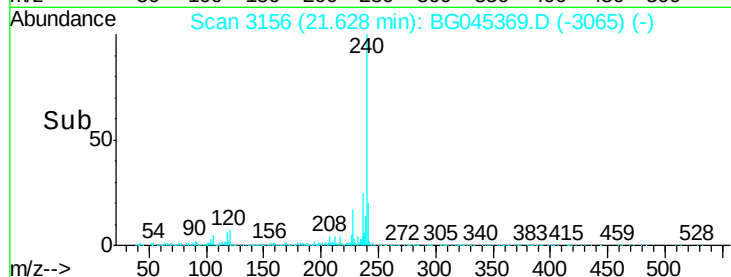
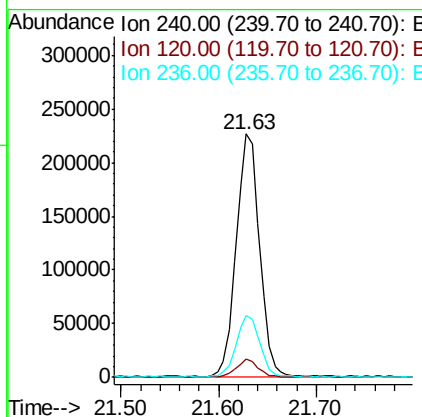
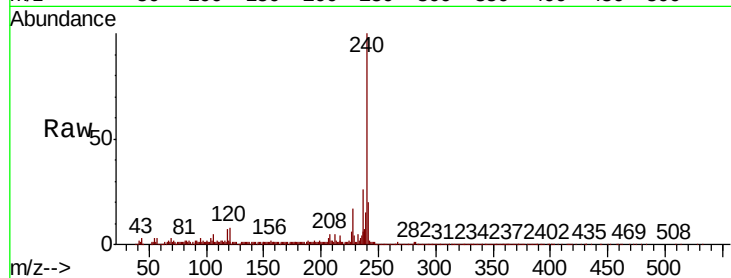
ClientSampleId :

FK-GF-02-056-A

Tot Ion:	240	Resp:	375987
Ion Ratio	Lower	Upper	
240	100		
120	7.7	6.6	10.0
236	25.5	22.2	33.2

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#78

Pyrene

Concen: 11.943 ng

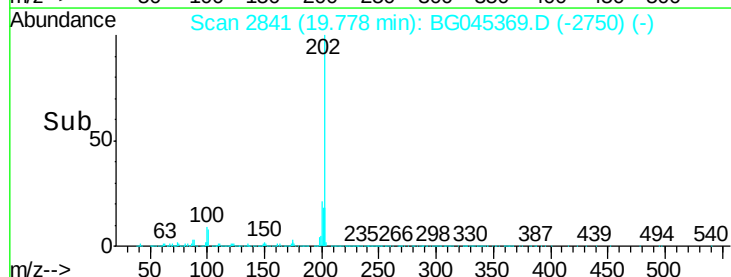
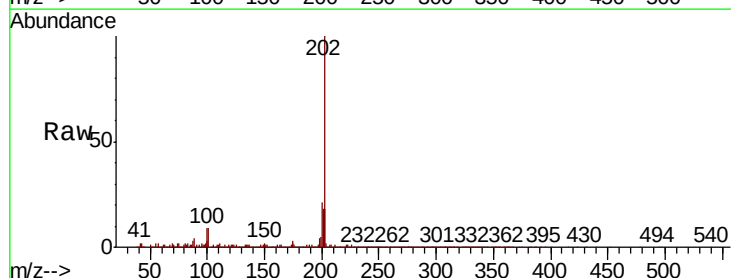
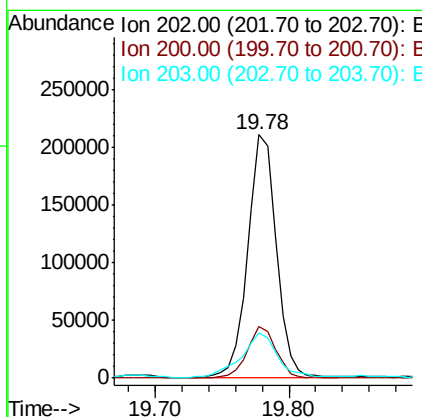
RT: 19.78 min Scan# 2841

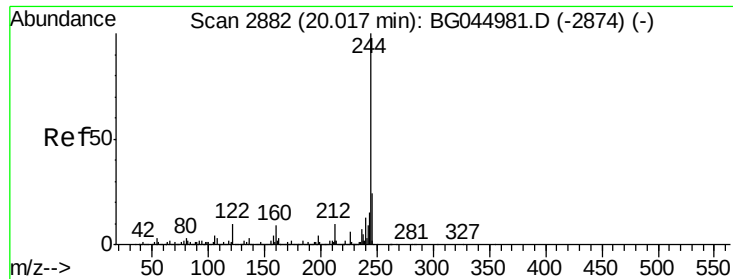
Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Tgt Ion:	202	Resp:	309569
Ion Ratio	Lower	Upper	
202	100		
200	21.2	19.0	28.6
203	18.4	16.1	24.1





#79

Terphenyl-d14

Concen: 68.999 ng

RT: 19.98 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

Instrument :

BNA_G

ClientSampleId :

FK-GF-02-056-A

Tot Ion:244 Resp: 1190269

Ion Ratio Lower Upper

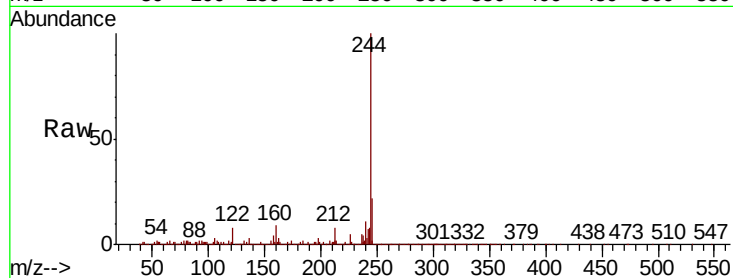
244 100

212 8.4 7.9 11.9

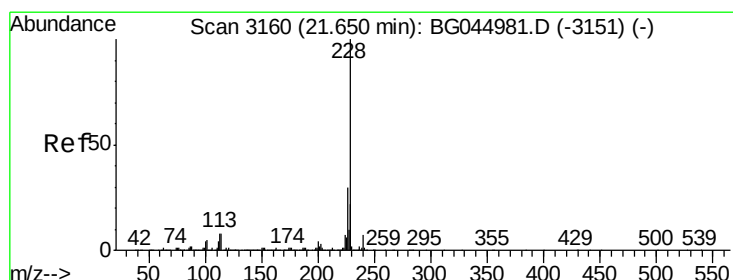
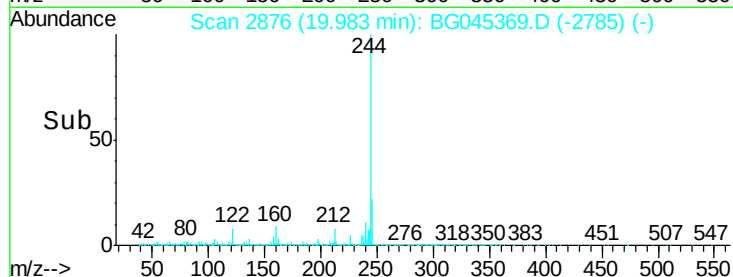
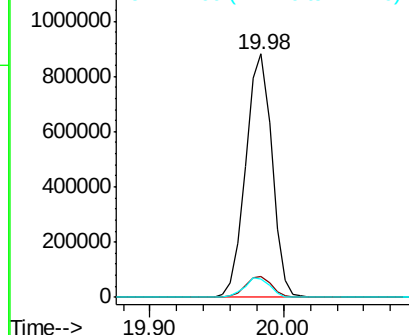
122 7.7 7.7 11.5

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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: 8.591 ng

RT: 21.61 min Scan# 3153

Delta R.T. 0.00 min

Lab File: BG045369.D

Acq: 13 May 2020 19:54

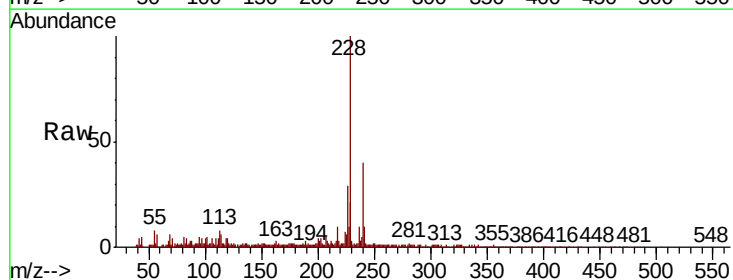
Tgt Ion:228 Resp: 209366

Ion Ratio Lower Upper

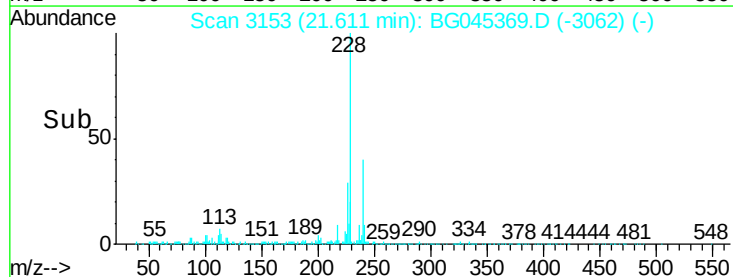
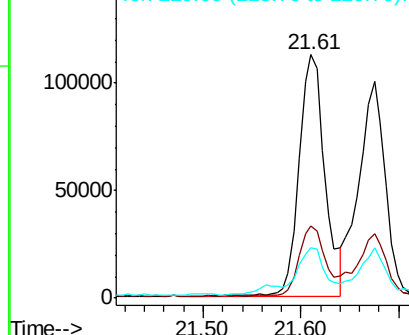
228 100

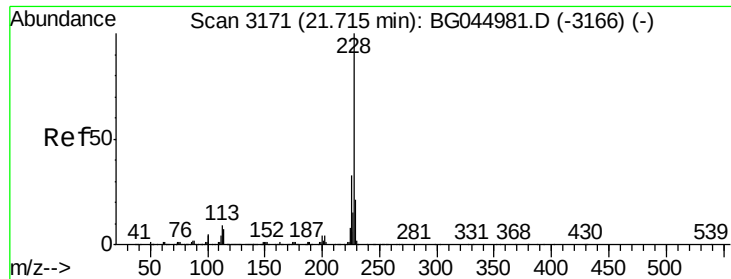
226 29.4 24.0 36.0

229 20.9 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





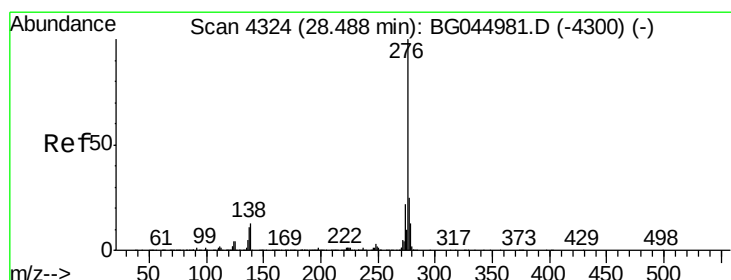
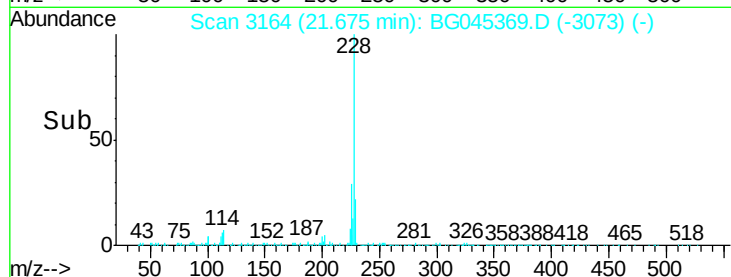
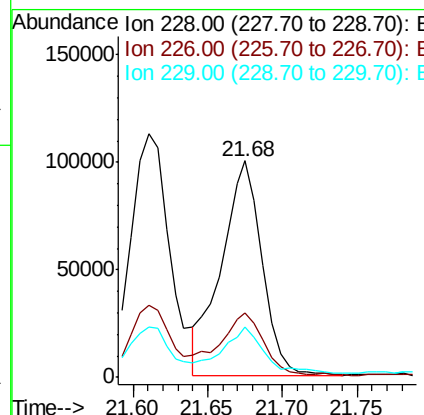
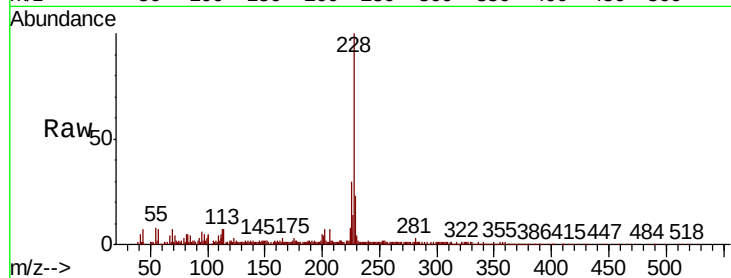
#83
Chrysene
Concen: 8.148 ng
RT: 21.68 min Scan# 3164
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-056-A

Tot Ion:	228	Resp:	190786
Ion Ratio	Lower	Upper	
228	100		
226	29.9	26.2	39.4
229	23.0	17.0	25.6

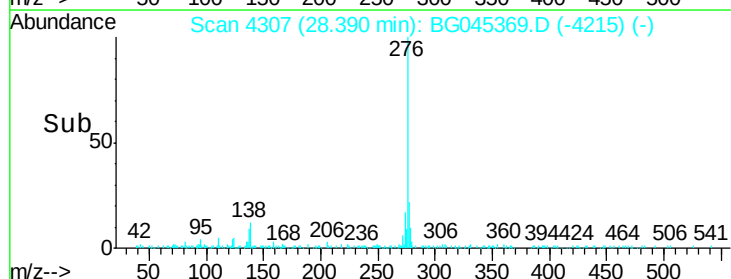
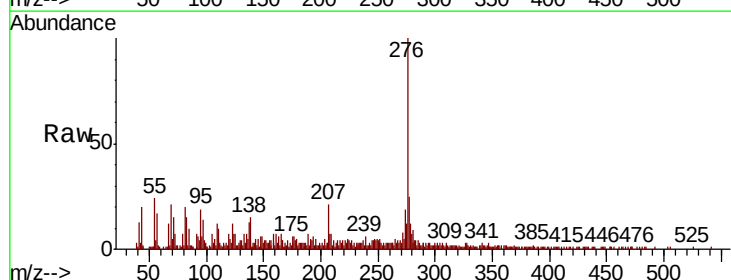
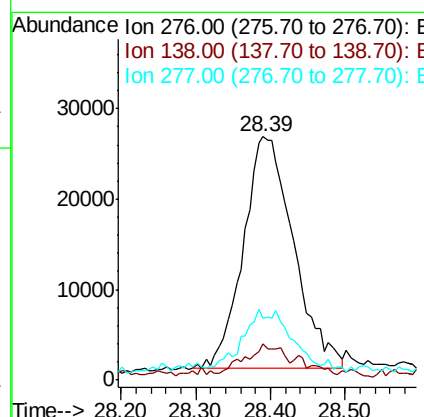
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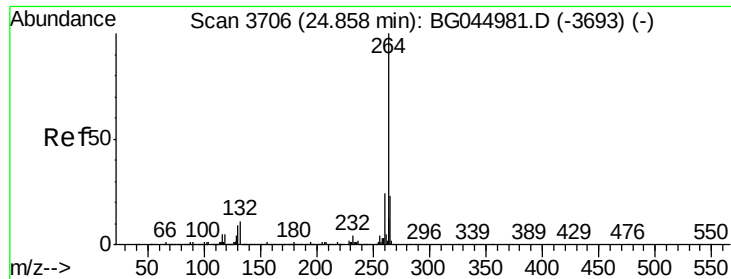
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 3.858 ng
RT: 28.39 min Scan# 4307
Delta R.T. 0.01 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion:	276	Resp:	119920
Ion Ratio	Lower	Upper	
276	100		
138	8.9	9.6	14.4#
277	13.8	20.6	31.0#





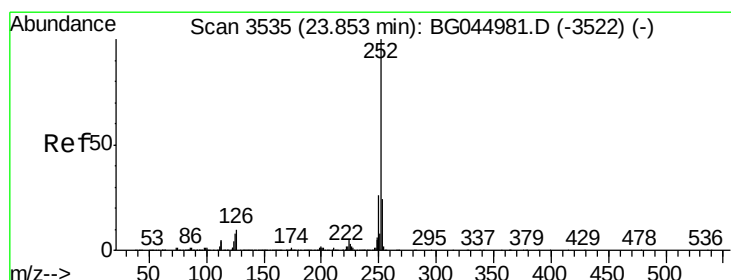
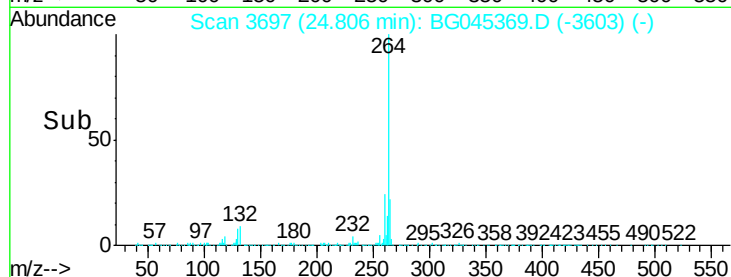
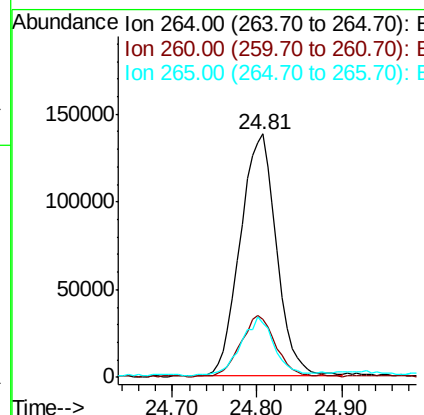
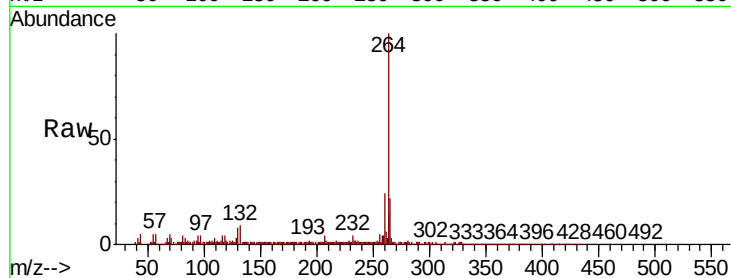
#87
Pervlene-d12
Concen: 20.000 ng
RT: 24.81 min Scan# 3697
Delta R.T. 0.02 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-056-A

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	19.0	28.4

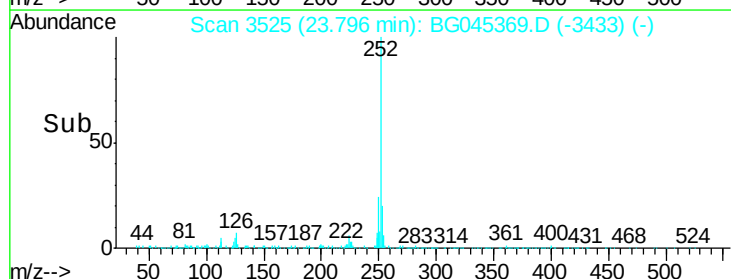
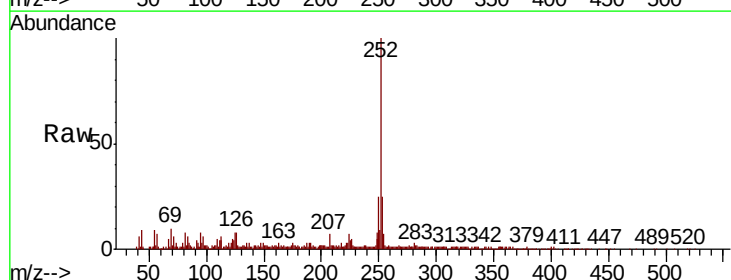
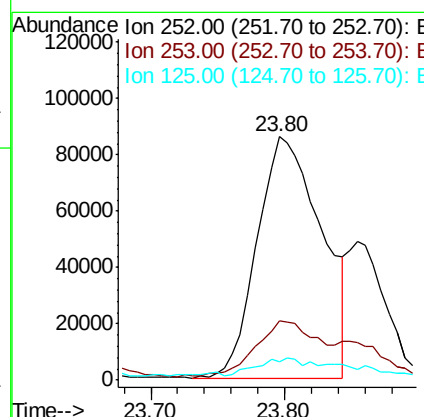
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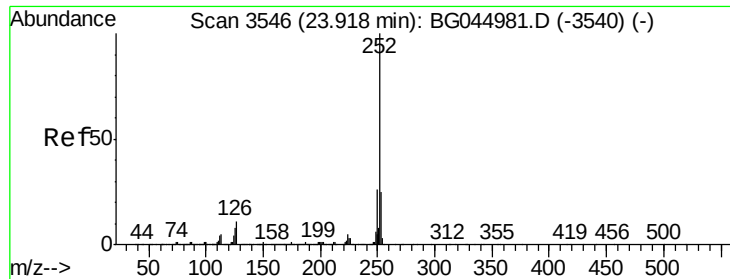
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#88
Benzo(b)fluoranthene
Concen: 11.145 ng
RT: 23.80 min Scan# 3525
Delta R.T. 0.01 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.8	28.2
125	7.8	6.2	9.4





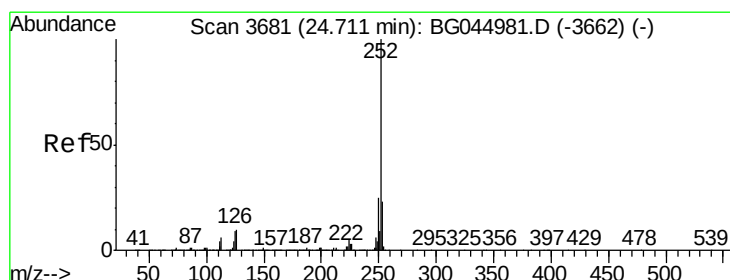
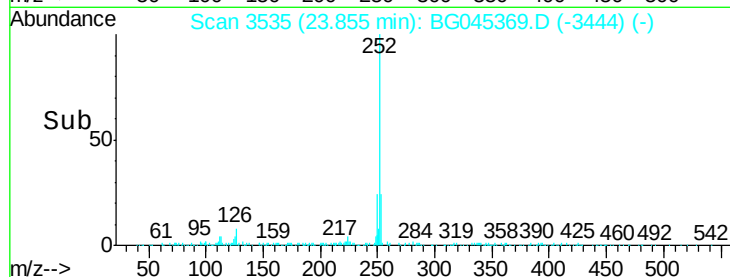
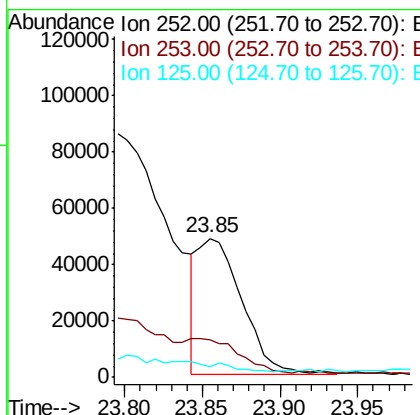
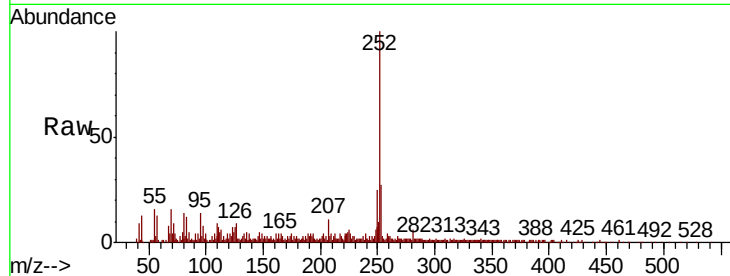
#89
Benzo(k)fluoranthene
Concen: 3.815 ng m
RT: 23.85 min Scan# 3535
Delta R.T. 0.00 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-056-A

Tot Ion	Ion	Ratio	Lower	Upper
252	100			
253	26.8	19.2	28.8	
125	7.3	5.9	8.9	

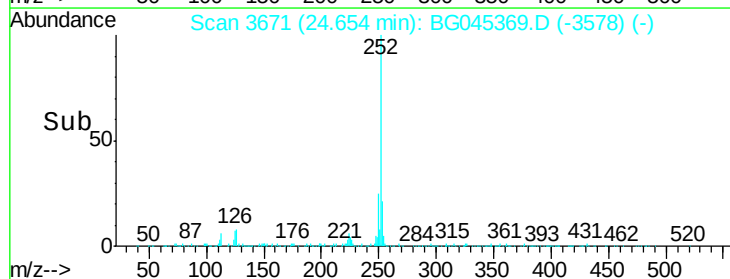
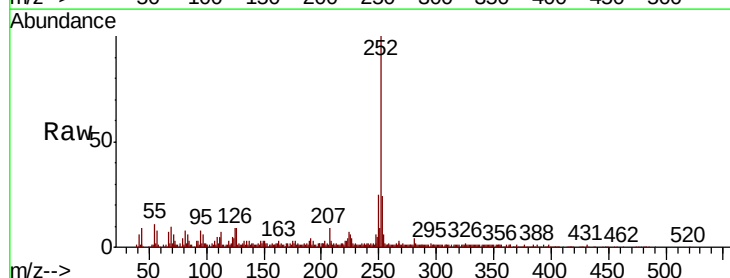
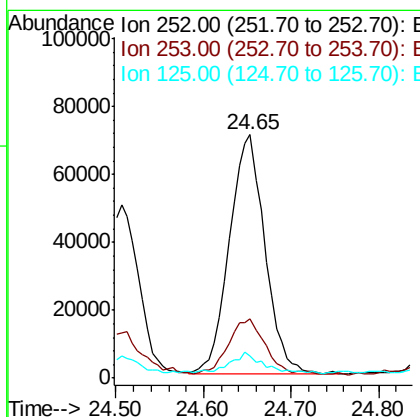
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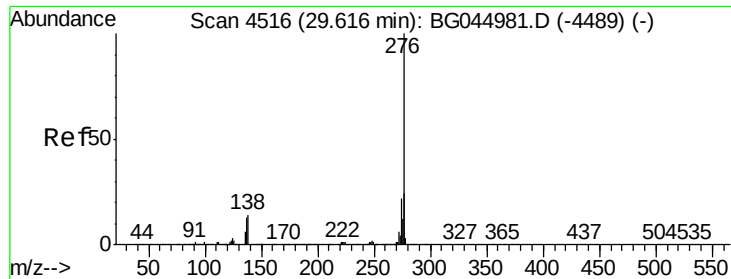
mohammad
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#90
Benzo(a)pyrene
Concen: 8.053 ng
RT: 24.65 min Scan# 3671
Delta R.T. 0.02 min
Lab File: BG045369.D
Acq: 13 May 2020 19:54

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
253	24.1	18.3	27.5	
125	9.2	7.0	10.6	





#92
 Benzo(a,h,i)perylene
 Concen: 4.675 ng
 RT: 29.51 min Scan# 4497
 Delta R.T. 0.00 min
 Lab File: BG045369.D
 Acq: 13 May 2020 19:54

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-056-A

Tot Ion:	276	Resp:	114791
Ion Ratio	Lower	Upper	
276	100		
277	27.0	19.3	28.9
138	13.3	11.4	17.2

Manual Integrations
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mohammad
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