

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
 Data File : BG045367.D
 Acq On : 13 May 2020 18:35
 Operator : CG/JU
 Sample : L2593-01
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

mohammad
 5/14/2020 11:54:29 AM

Quant Time: May 14 03:23:42 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	86036	20.00	ng	0.00
21) Naphthalene-d8	10.78	136	356430	20.00	ng	0.00
39) Acenaphthene-d10	14.62	164	238862	20.00	ng	0.00
64) Phenanthrene-d10	17.37	188	470798	20.00	ng	0.00
76) Chrysene-d12	21.63	240	385386	20.00	ng	0.00
87) Perylene-d12	24.80	264	432966	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	459452	88.16	ng	0.00
7) Phenol-d6	7.14	99	693628	89.58	ng	0.00
23) Nitrobenzene-d5	9.13	82	469176	60.06	ng	0.00
42) 2,4,6-Tribromophenol	16.11	330	294875	79.91	ng	0.00
45) 2-Fluorobiphenyl	13.24	172	1070941	65.74	ng	0.00
79) Terphenyl-d14	19.98	244	1296017	73.30	ng	0.00
Target Compounds						
50) Dimethylphthalate	14.06	163	116679	5.999	ng	Qvalue # 96
71) Phenanthrene	17.41	178	237888	9.833	ng	95
72) Anthracene	17.50	178	55414	2.283	ng	98
75) Fluoranthene	19.42	202	809646	25.846	ng	98
78) Pyrene	19.78	202	698054	26.274	ng	97
81) Benzo(a)anthracene	21.61	228	424615	16.999	ng	98
83) Chrysene	21.68	228	354499m	14.771	ng	
86) Indeno(1,2,3-cd)pyrene	28.39	276	175770	5.516	ng	96
88) Benzo(b)fluoranthene	23.80	252	481124	17.740	ng	100
89) Benzo(k)fluoranthene	23.86	252	147362m	5.714	ng	
90) Benzo(a)pyrene	24.65	252	306767	11.980	ng	98
91) Dibenzo(a,h)anthracene	28.43	278	53409m	2.070	ng	
92) Benzo(a,h,i)perylene	29.53	276	154765	5.983	ng	# 96

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

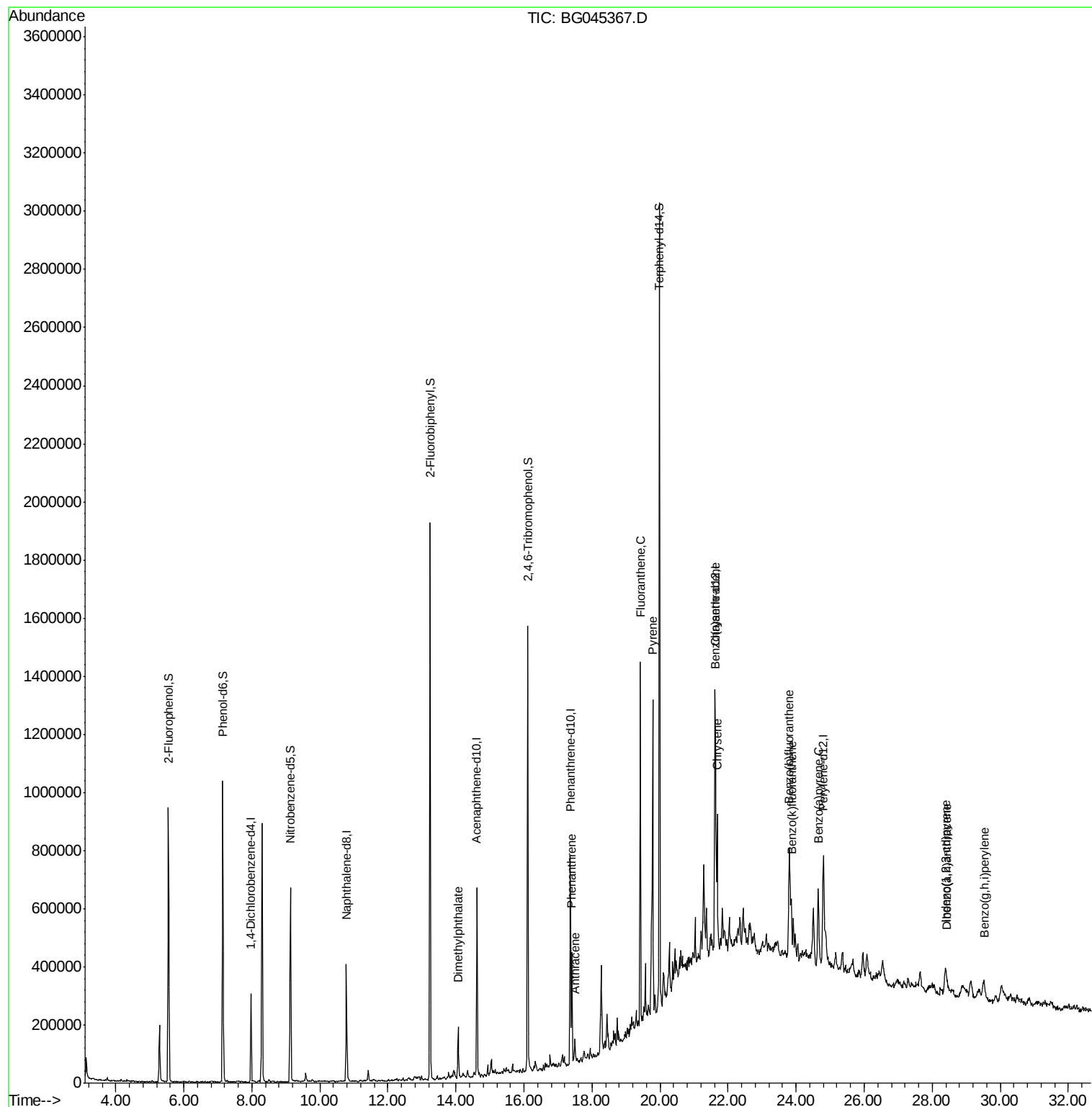
Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG051220\
Data File : BG045367.D
Acq On : 13 May 2020 18:35
Operator : CG/JU
Sample : L2593-01
Misc :
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Instrument :
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Manual Integrations
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG041520.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

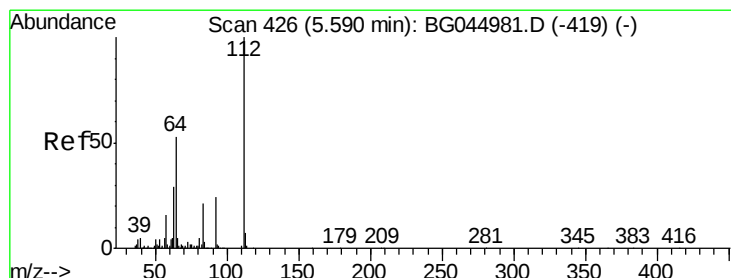
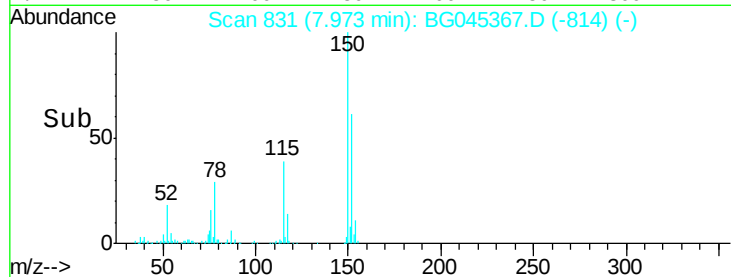
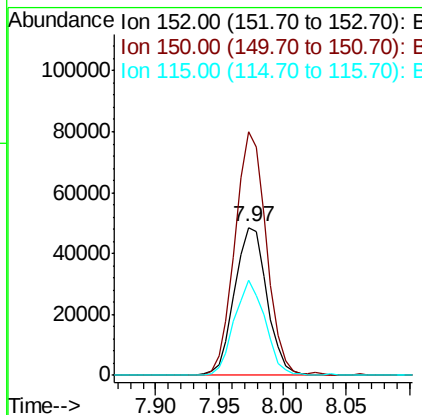
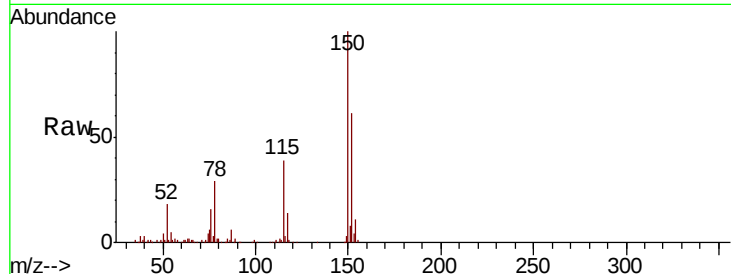
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.97 min Scan# 831
Delta R.T. 0.00 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.3	123.6	185.4
115	63.8	49.1	73.7

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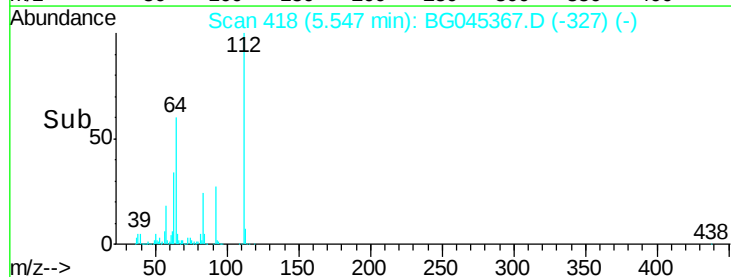
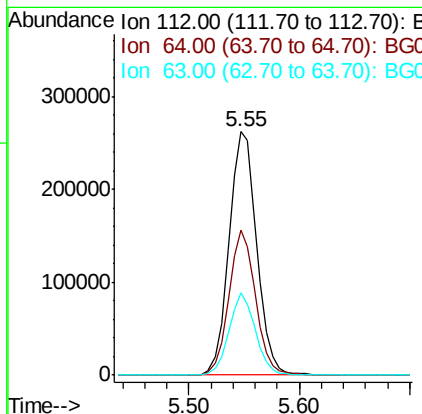
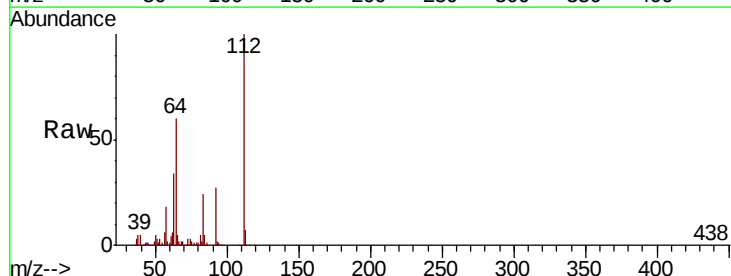
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#5

2-Fluorophenol
Concen: 88.164 ng
RT: 5.55 min Scan# 418
Delta R.T. 0.01 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	42.4	63.6
63	33.7	23.1	34.7





#7

Phenol-d6

Concen: 89.585 ng

RT: 7.14 min Scan# 690

Delta R.T. 0.01 min

Lab File: BG045367.D

Acq: 13 May 2020 18:35

Instrument :

BNA_G

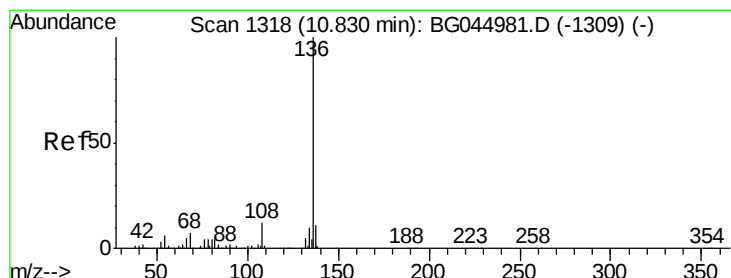
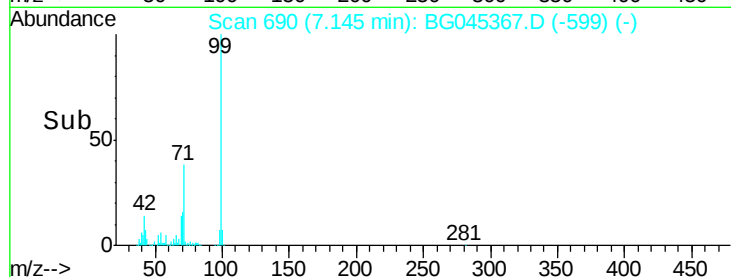
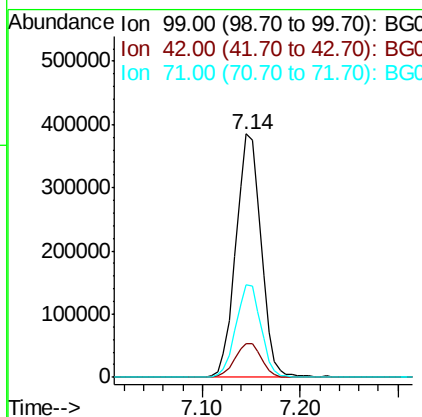
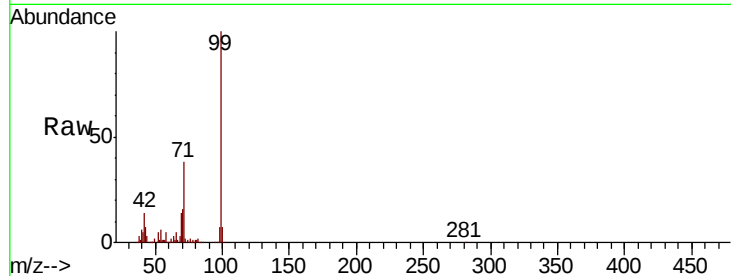
ClientSampleId :

FK-GF-02-057-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		693628		
42	13.9	11.3	16.9		
71	38.1	28.3	42.5		

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#21

Naphthalene-d8

Concen: 20.000 ng

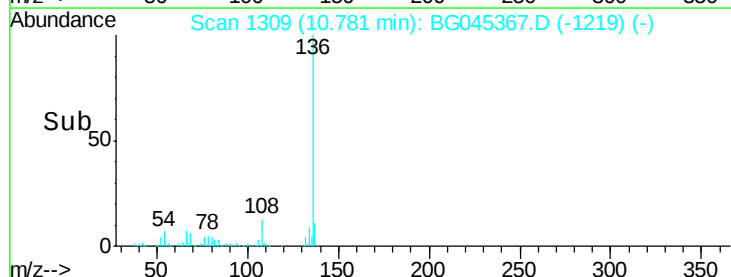
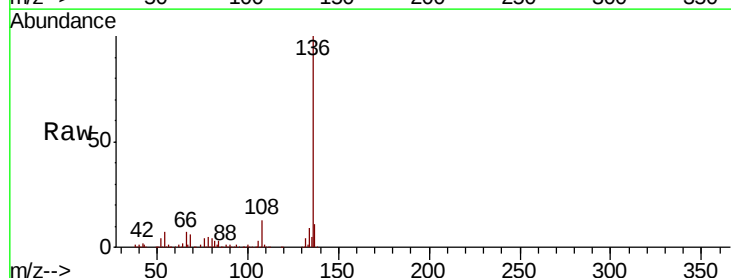
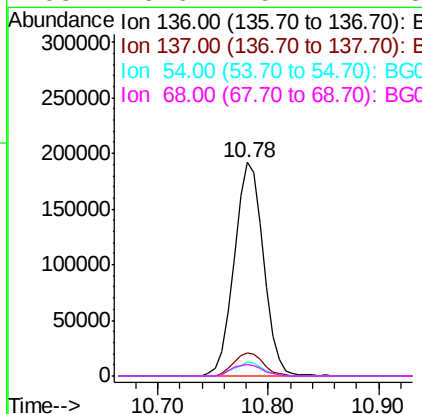
RT: 10.78 min Scan# 1309

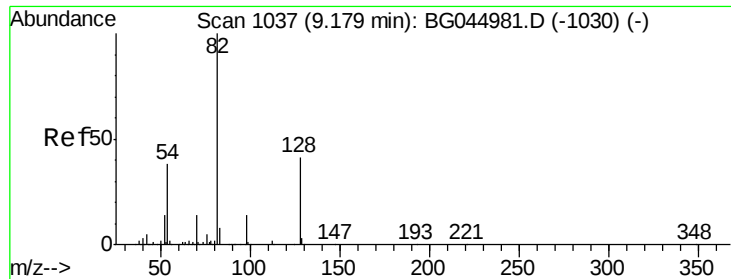
Delta R.T. 0.00 min

Lab File: BG045367.D

Acq: 13 May 2020 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		356430		
137	11.0	8.6	13.0		
54	6.6	4.8	7.2		
68	5.6	5.2	7.8		





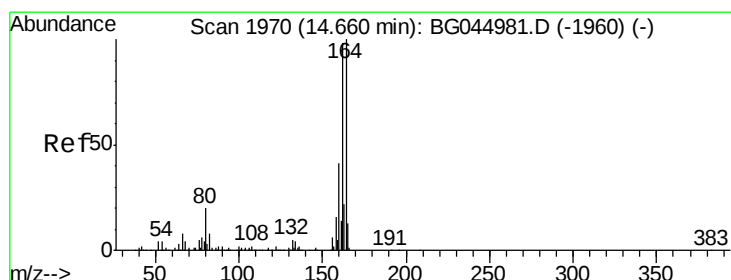
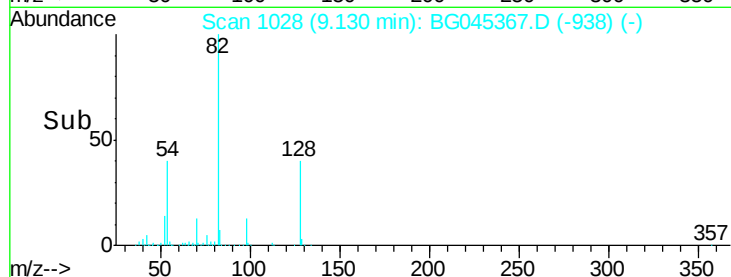
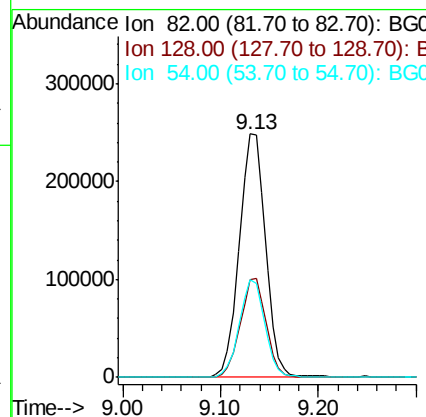
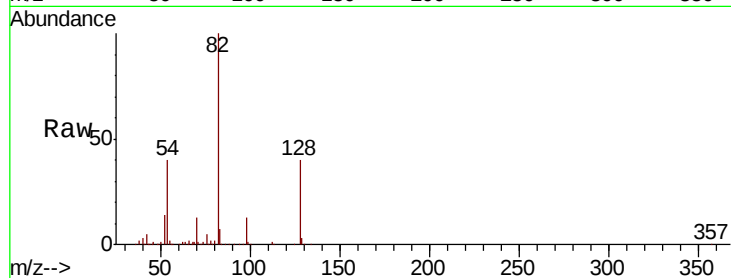
#23
Nitrobenzene-d5
Concen: 60.062 ng
RT: 9.13 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Resp	Lower	Upper
82	100	469176		
128	40.0	33.0	49.4	
54	40.4	30.4	45.6	

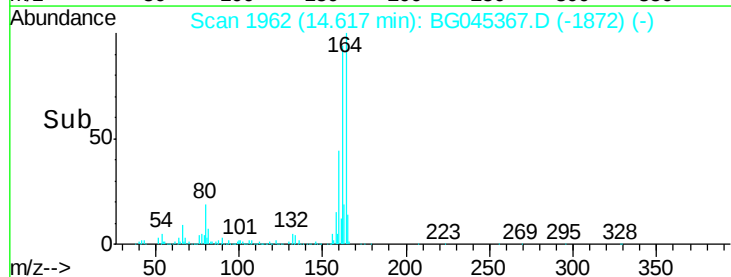
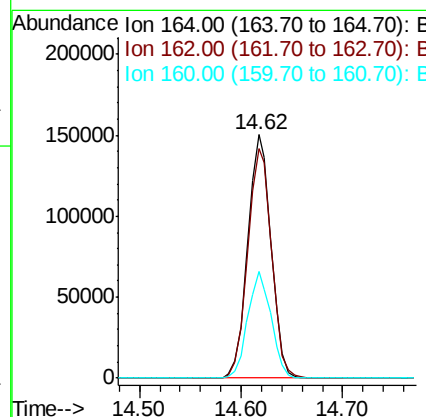
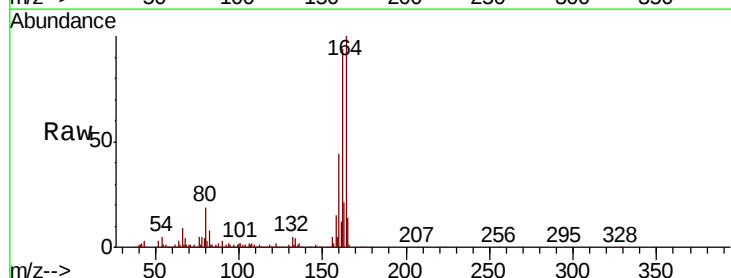
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.62 min Scan# 1962
Delta R.T. 0.00 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	238862		
162	94.1	78.7	118.1	
160	43.7	32.8	49.2	





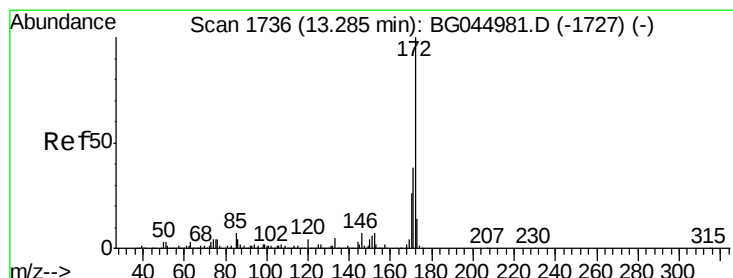
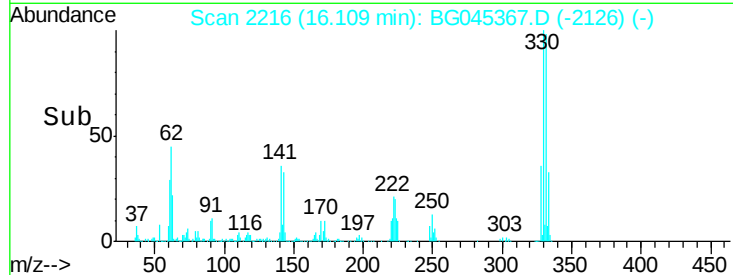
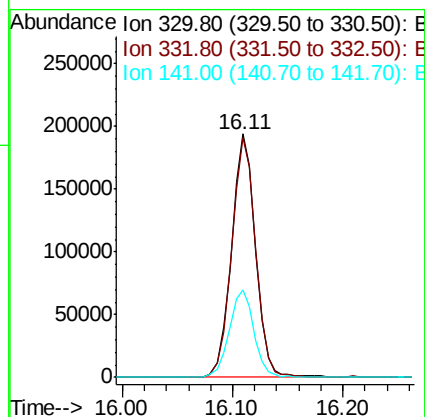
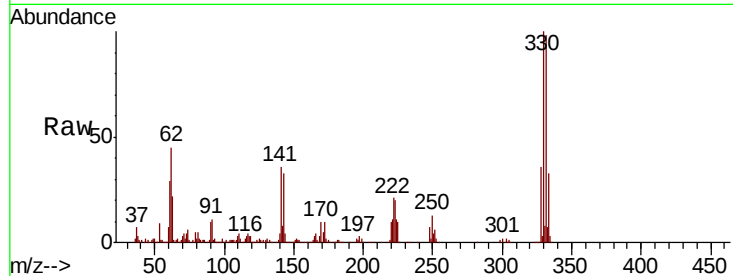
#42
 2,4,6-Tribromophenol
 Concen: 79.910 ng
 RT: 16.11 min Scan# 2216
 Delta R.T. 0.00 min
 Lab File: BG045367.D
 Acq: 13 May 2020 18:35

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

Tot Ion:	330	Resp:	294875
Ion Ratio	Lower	Upper	
330	100		
332	98.5	79.1	118.7
141	37.2	27.1	40.7

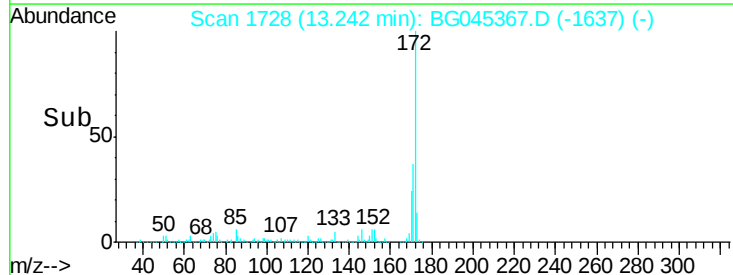
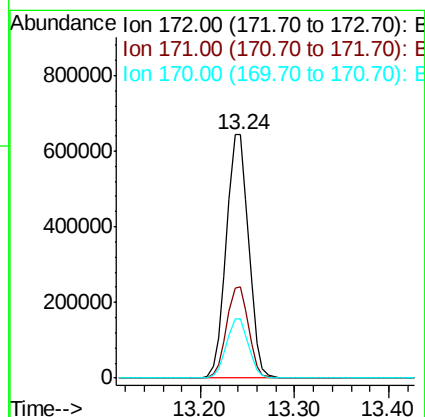
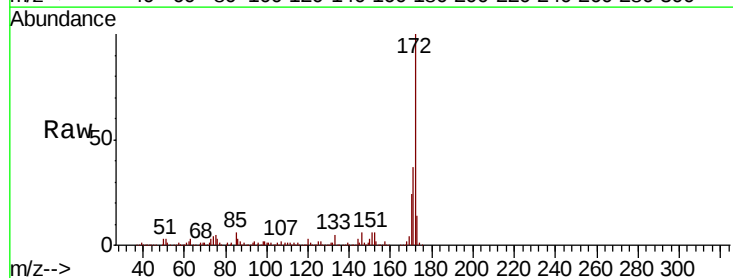
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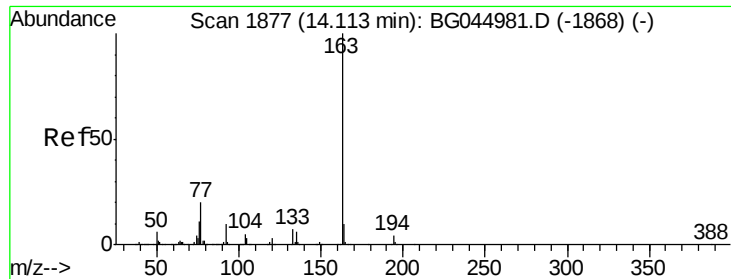
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#45
 2-Fluorobiphenyl
 Concen: 65.743 ng
 RT: 13.24 min Scan# 1728
 Delta R.T. 0.01 min
 Lab File: BG045367.D
 Acq: 13 May 2020 18:35

Tgt Ion:	172	Resp:	1070941
Ion Ratio	Lower	Upper	
172	100		
171	37.3	30.6	46.0
170	24.5	20.5	30.7





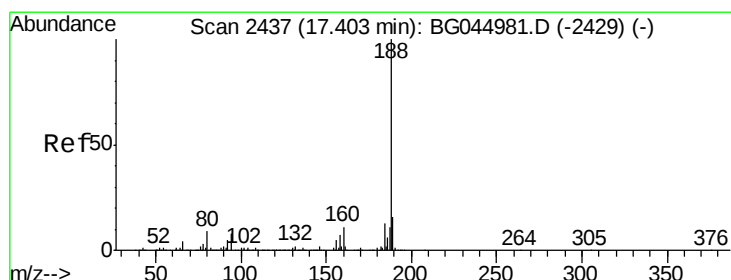
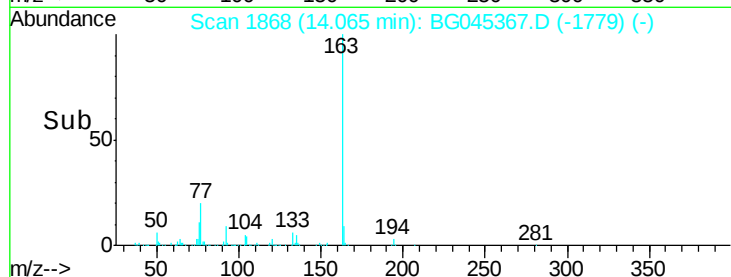
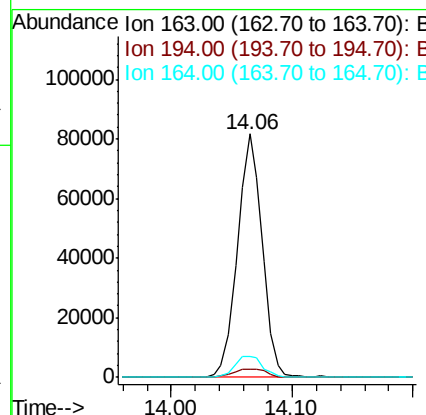
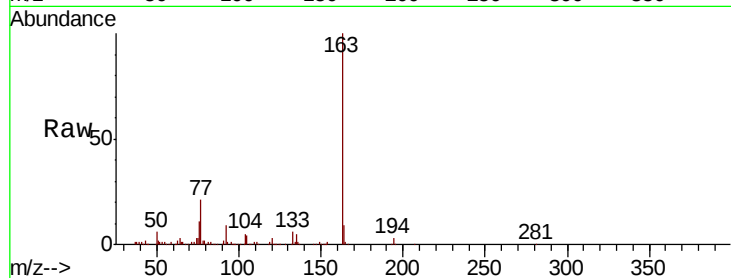
#50
Dimethylphthalate
Concen: 5.999 ng
RT: 14.06 min Scan# 1868
Delta R.T. -0.01 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Resp	Lower	Upper
163	100	116679		
194	3.4	3.5	5.3#	
164	8.6	8.2	12.4	

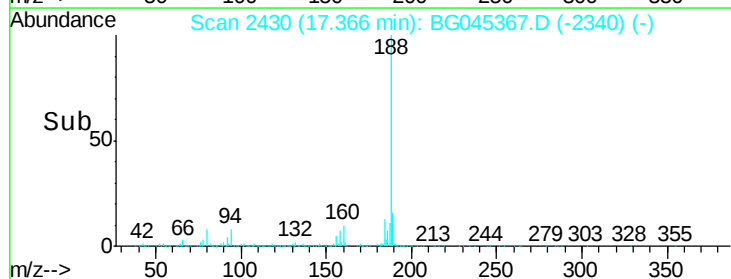
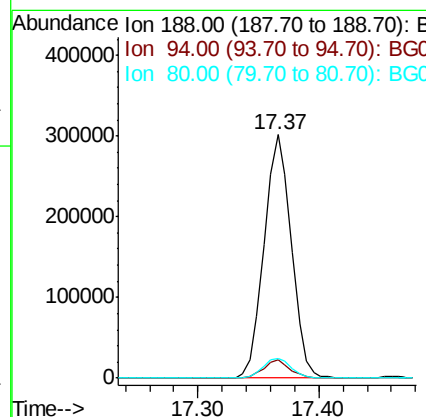
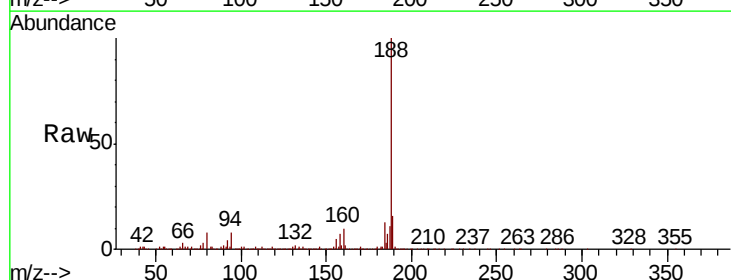
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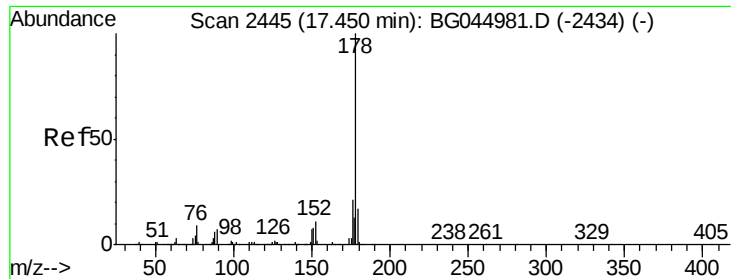
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.37 min Scan# 2430
Delta R.T. 0.00 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	470798		
94	7.6	6.2	9.4	
80	8.0	7.0	10.6	





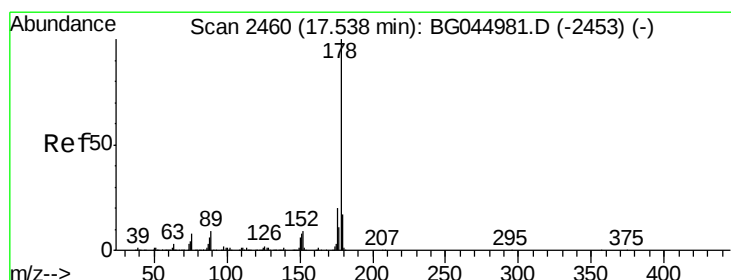
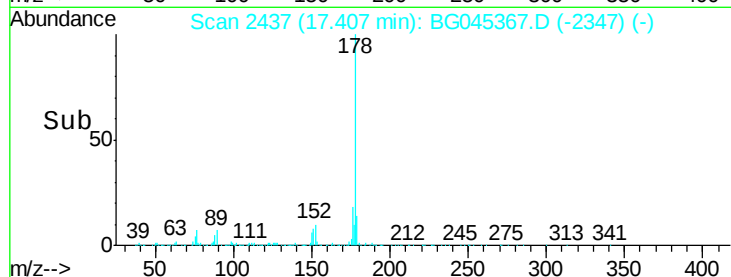
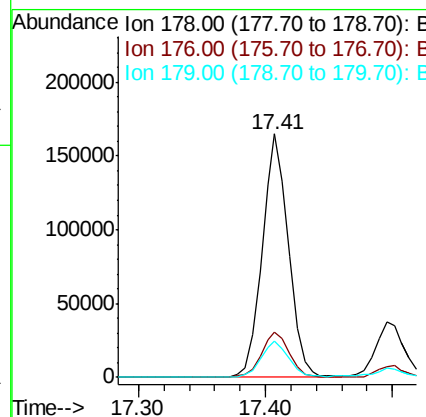
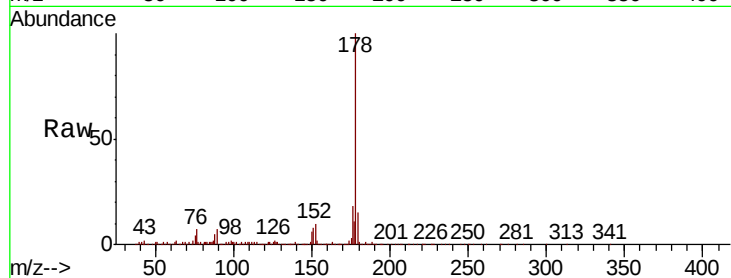
#71
Phenanthrene
Concen: 9.833 ng
RT: 17.41 min Scan# 2437
Delta R.T. 0.00 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	16.8	25.2
179	14.7	13.2	19.8

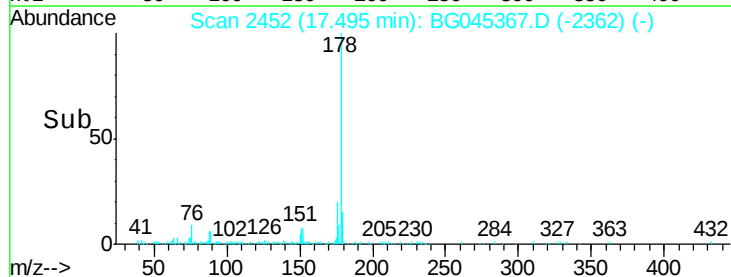
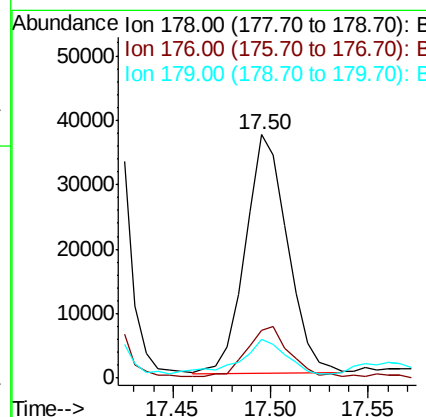
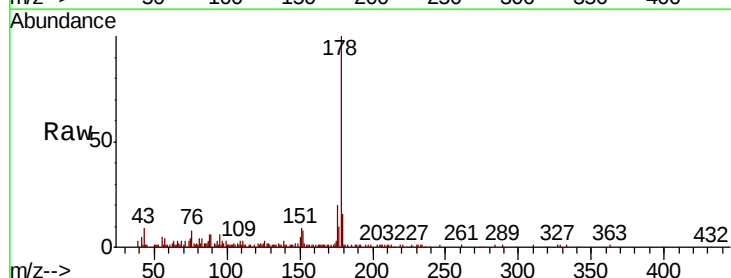
Manual Integrations
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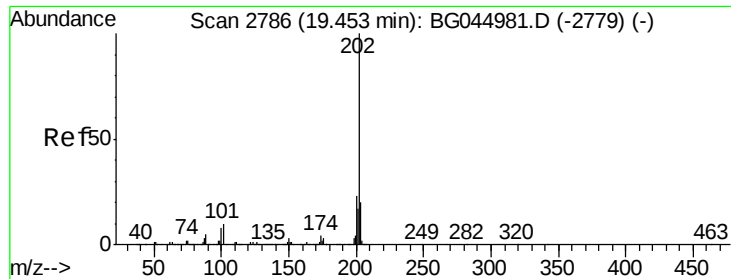
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#72
Anthracene
Concen: 2.283 ng
RT: 17.50 min Scan# 2452
Delta R.T. 0.00 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	16.0	13.6	20.4





#75

Fluoranthene

Concen: 25.846 ng

RT: 19.42 min Scan# 2780

Delta R.T. 0.01 min

Lab File: BG045367.D

Acq: 13 May 2020 18:35

Instrument :

BNA_G

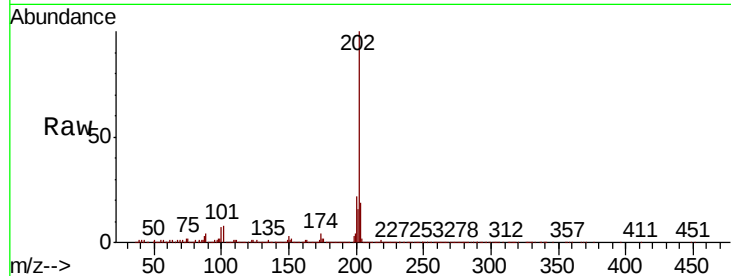
ClientSampleId :

FK-GF-02-057-A

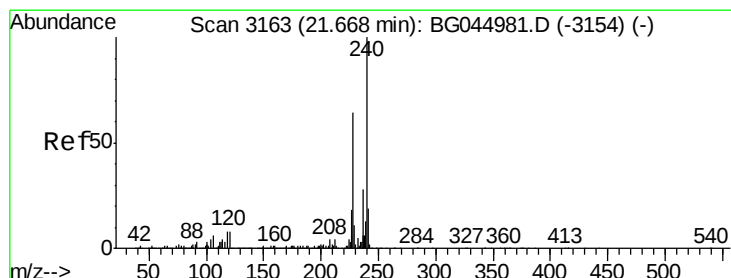
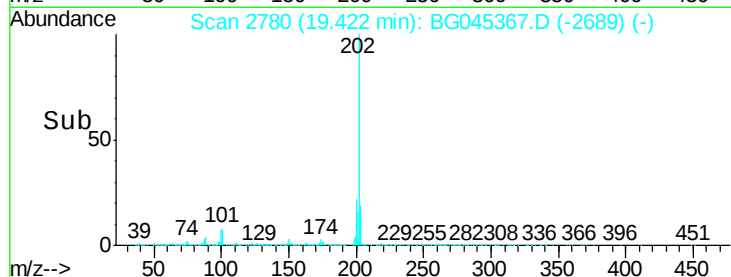
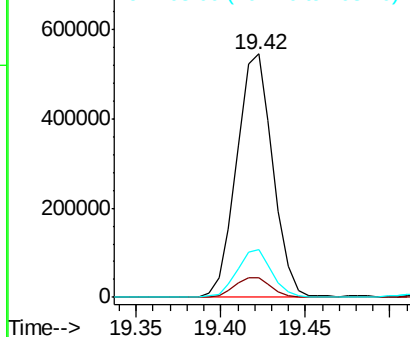
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.9	0.0	29.6
203	19.5	0.0	39.7

Manual Integrations
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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

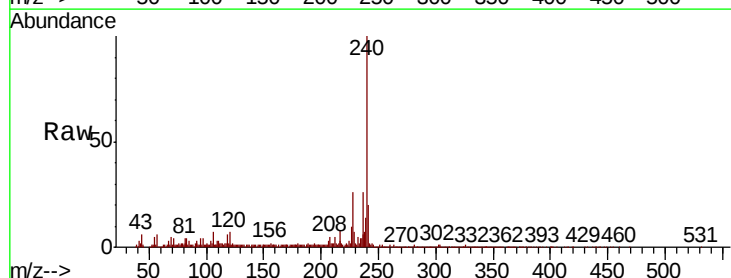
RT: 21.63 min Scan# 3156

Delta R.T. 0.01 min

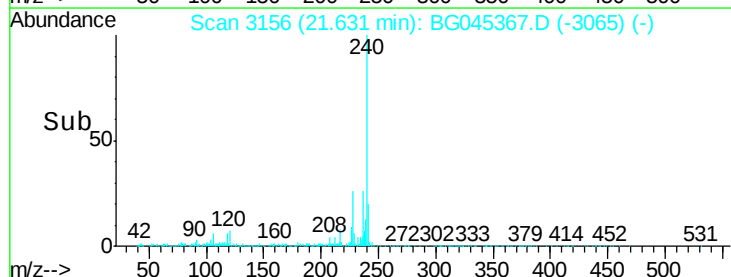
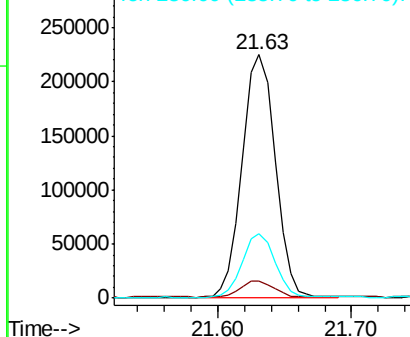
Lab File: BG045367.D

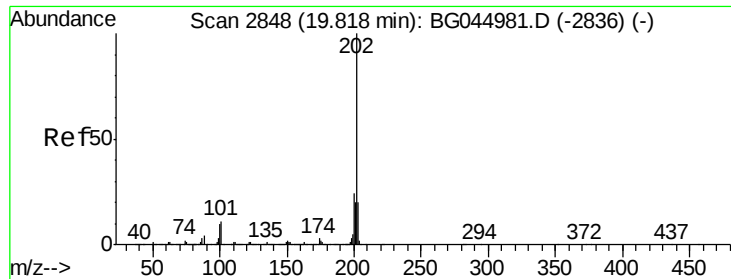
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	7.1	6.6	10.0
236	26.3	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





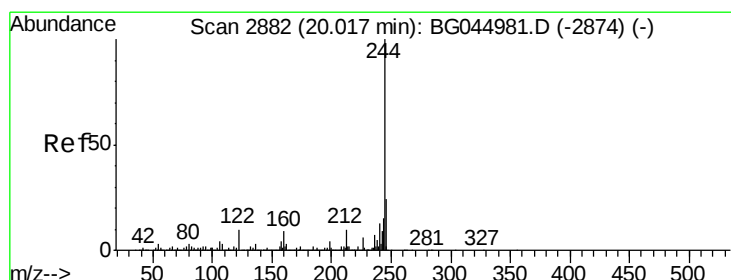
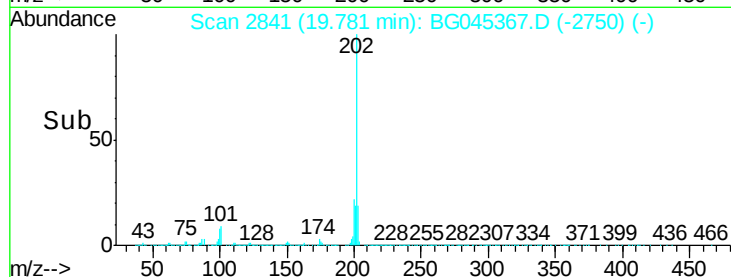
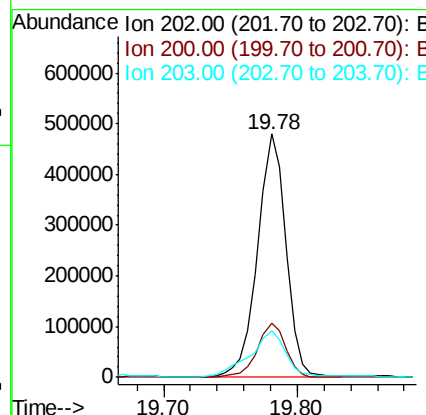
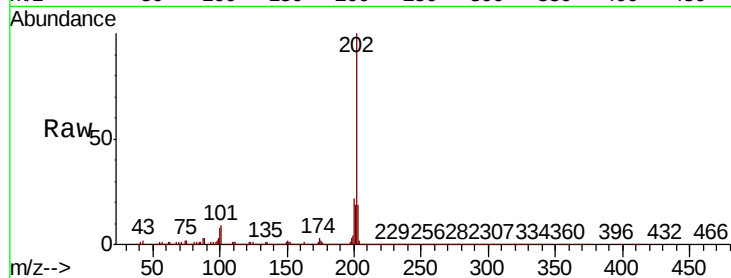
#78
Pvrene
Concen: 26.274 ng
RT: 19.78 min Scan# 2841
Delta R.T. 0.01 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.3	19.0	28.6
203	19.1	16.1	24.1

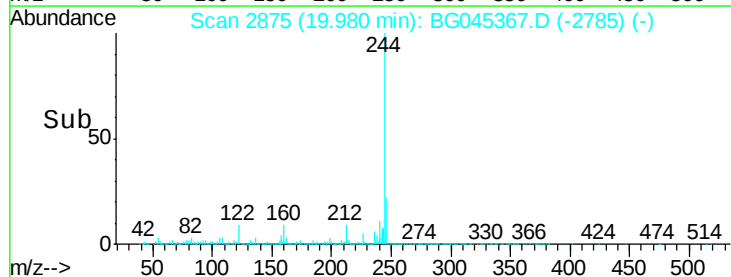
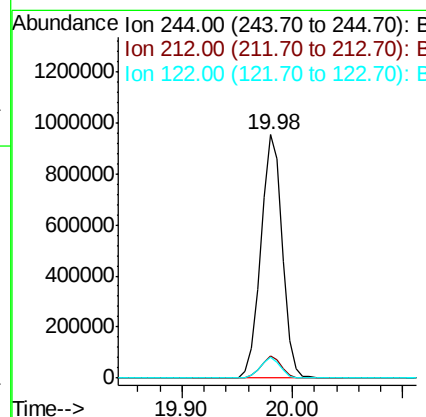
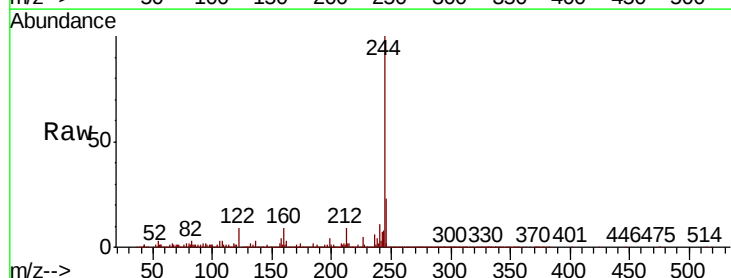
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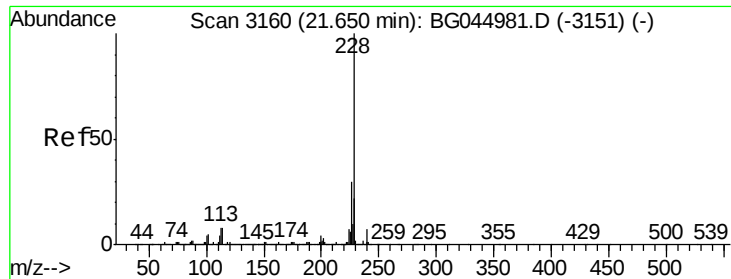
mohammad
5/14/2020 11:54:29 AM



#79
Terphenyl-d14
Concen: 73.297 ng
RT: 19.98 min Scan# 2875
Delta R.T. 0.00 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	9.3	7.9	11.9
122	8.6	7.7	11.5





#81

Benzo(a)anthracene

Concen: 16.999 ng

RT: 21.61 min Scan# 3152

Delta R.T. 0.00 min

Lab File: BG045367.D

Acq: 13 May 2020 18:35

Instrument :

BNA_G

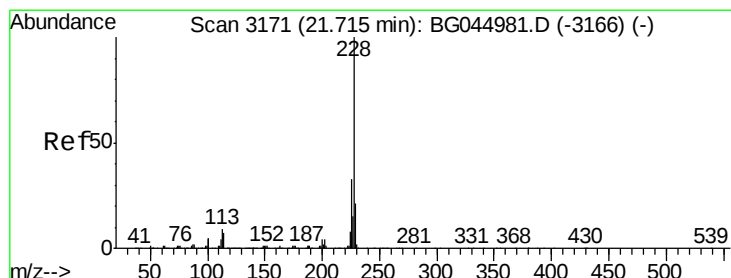
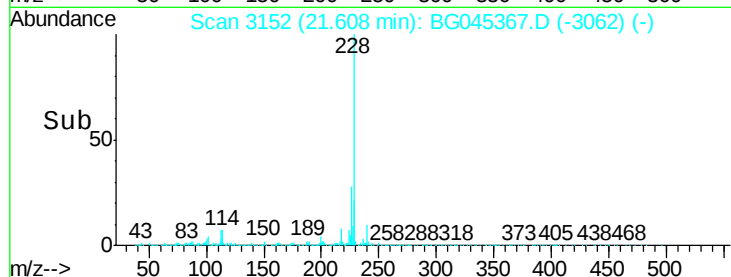
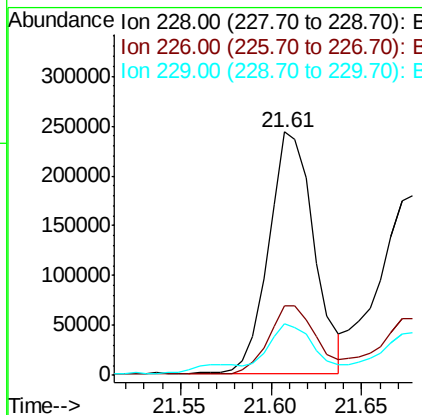
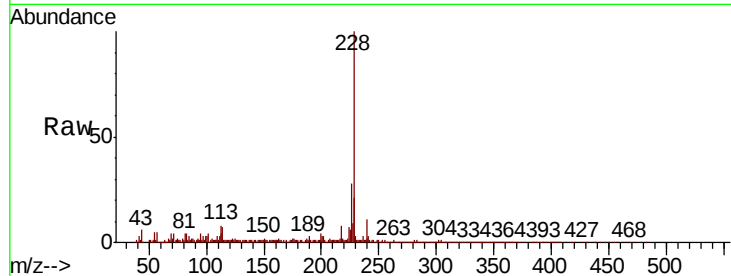
ClientSampleId :

FK-GF-02-057-A

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		424615		
226	28.4		24.0	36.0	
229	21.2		17.5	26.3	

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#83

Chrysene

Concen: 14.771 ng m

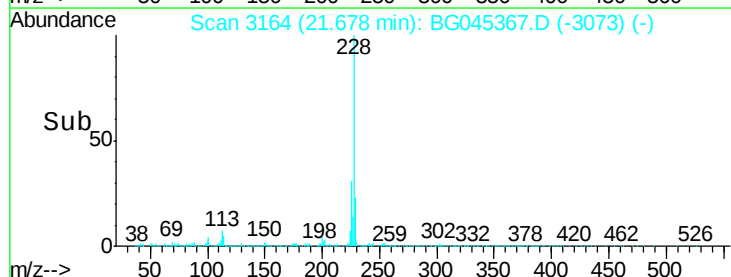
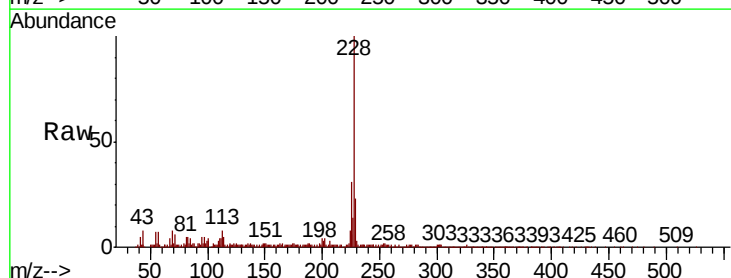
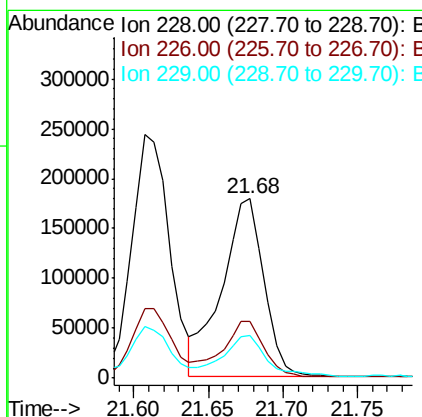
RT: 21.68 min Scan# 3164

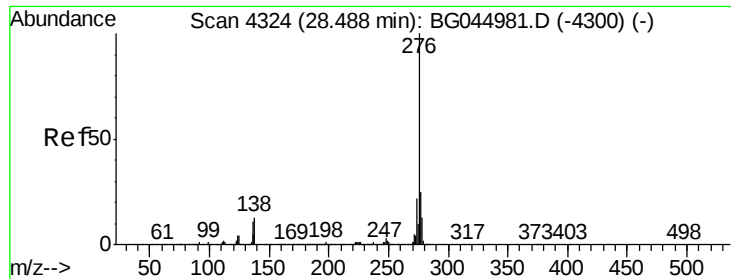
Delta R.T. 0.01 min

Lab File: BG045367.D

Acq: 13 May 2020 18:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		354499		
226	31.5		26.2	39.4	
229	23.4		17.0	25.6	





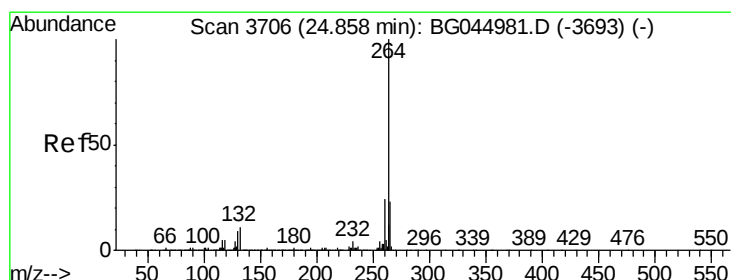
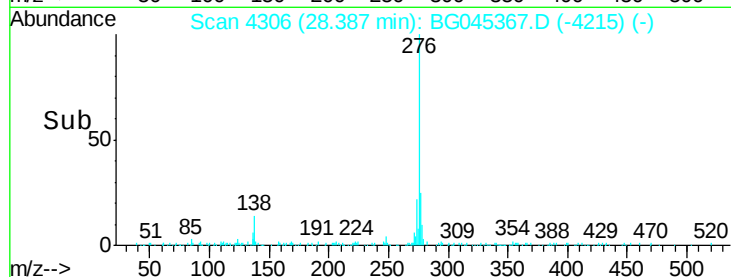
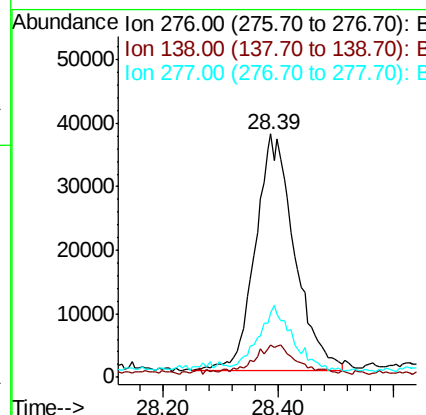
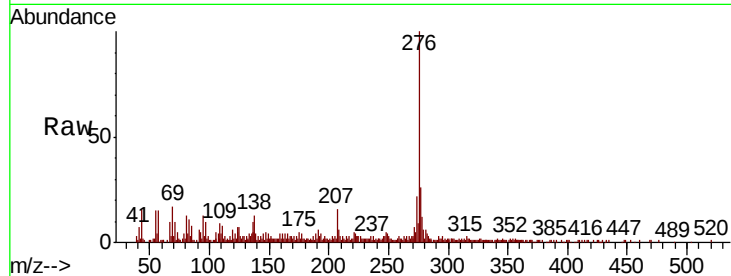
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.516 ng
RT: 28.39 min Scan# 4306
Delta R.T. 0.01 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	12.6	9.6	14.4
277	22.8	20.6	31.0

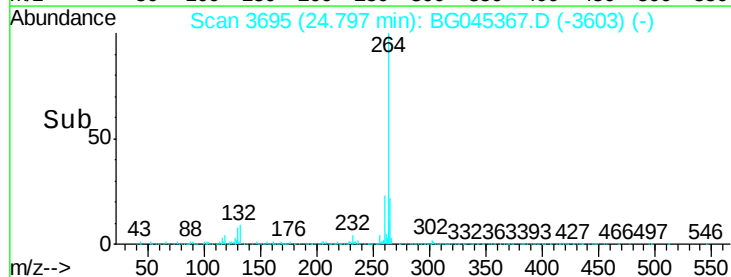
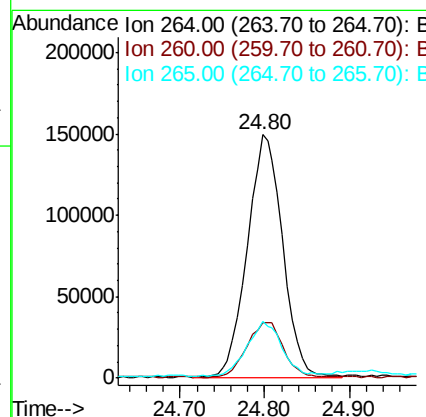
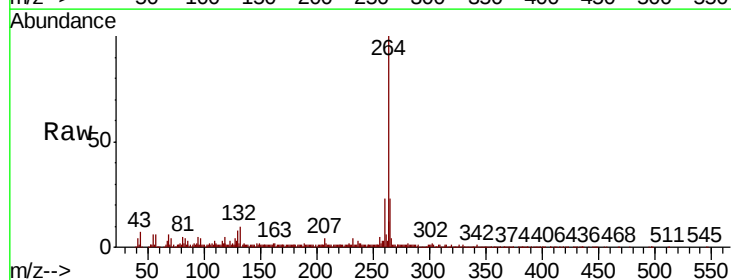
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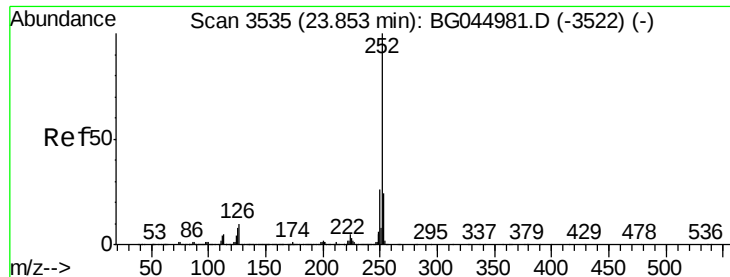
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#87
Perylene-d12
Concen: 20.000 ng
RT: 24.80 min Scan# 3695
Delta R.T. 0.01 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.2	28.8
265	23.1	19.0	28.4





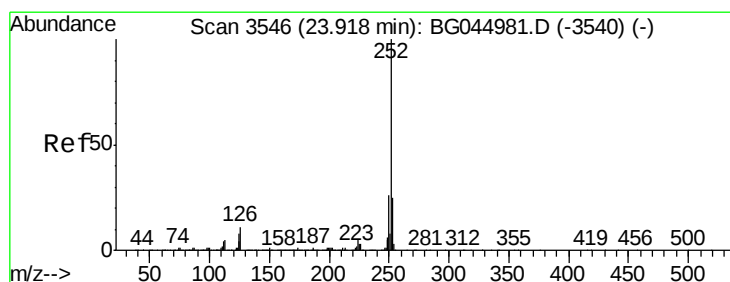
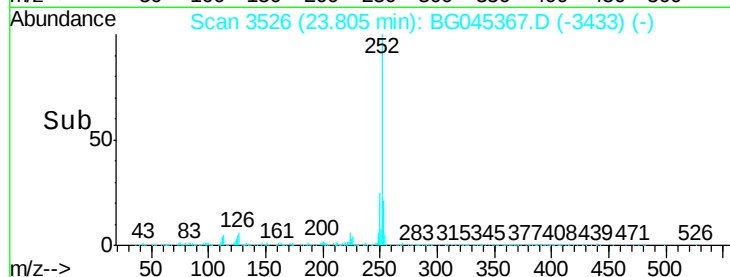
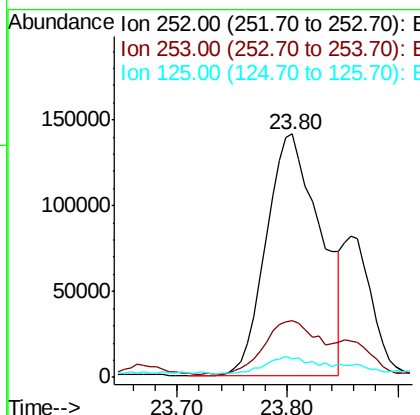
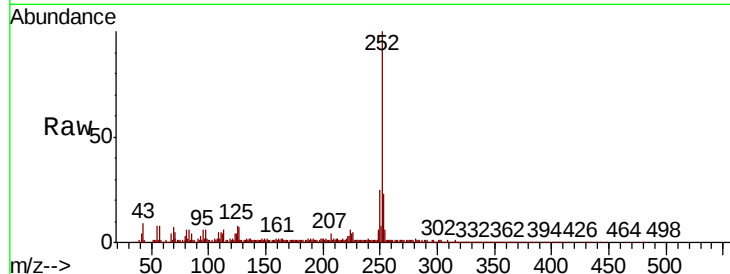
#88
Benzo(b)fluoranthene
Concen: 17.740 ng
RT: 23.80 min Scan# 3526
Delta R.T. 0.02 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.8	28.2
125	7.5	6.2	9.4

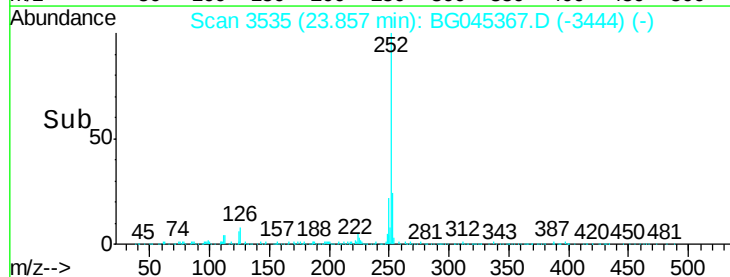
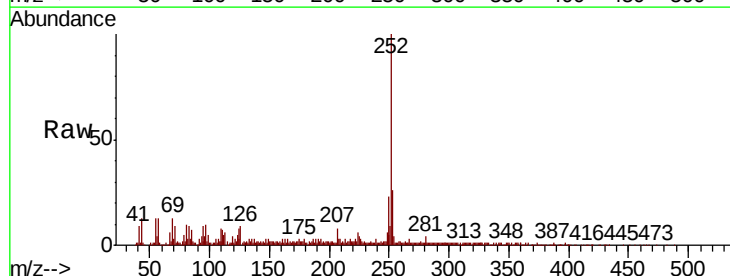
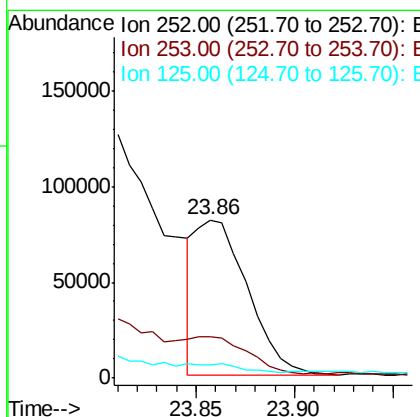
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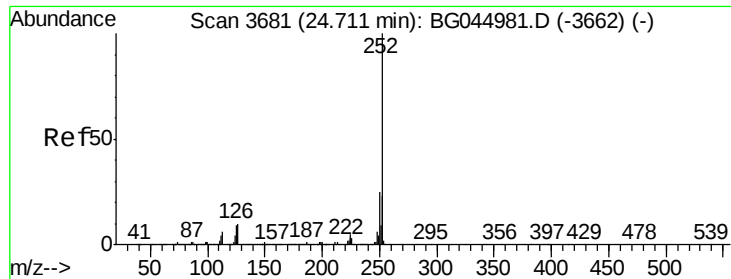
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.714 ng m
RT: 23.86 min Scan# 3535
Delta R.T. 0.01 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.2	28.8
125	8.4	5.9	8.9





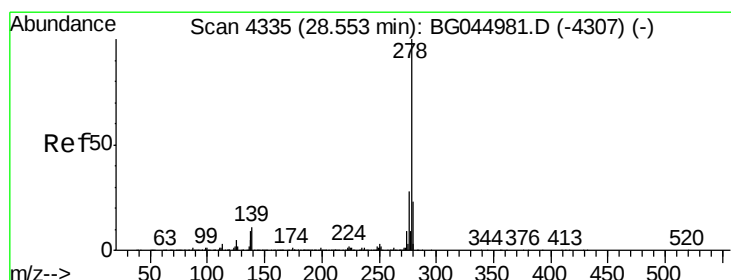
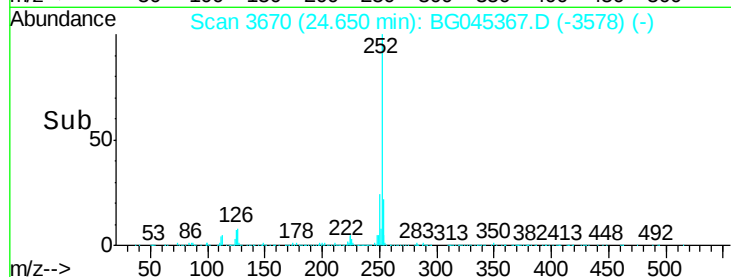
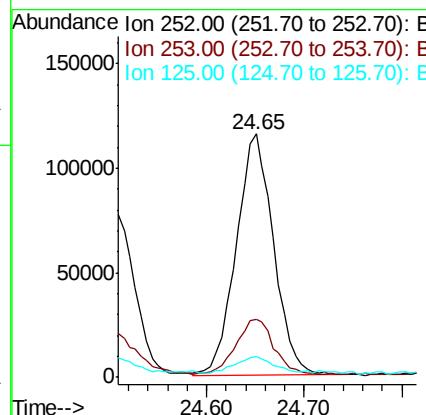
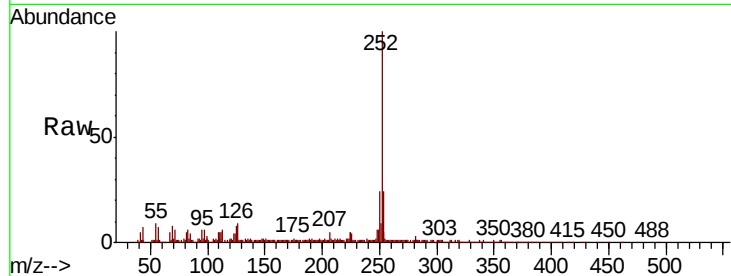
#90
Benzo(a)pyrene
Concen: 11.980 ng
RT: 24.65 min Scan# 3670
Delta R.T. 0.01 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.3	27.5
125	8.4	7.0	10.6

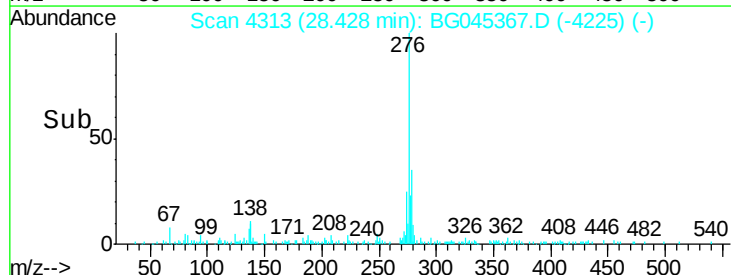
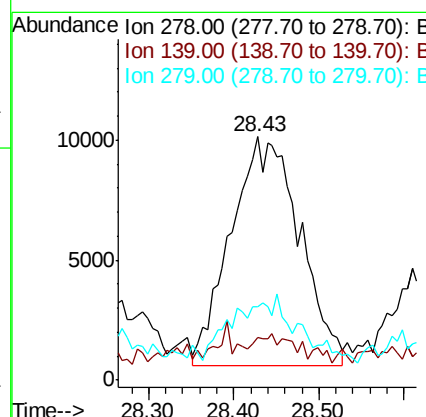
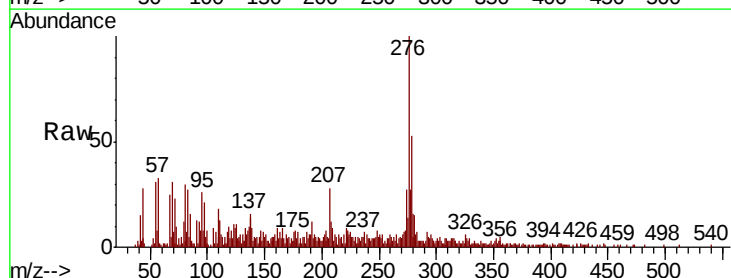
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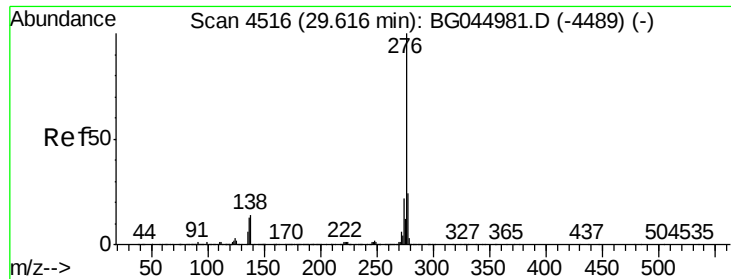
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.070 ng m
RT: 28.43 min Scan# 4313
Delta R.T. -0.01 min
Lab File: BG045367.D
Acq: 13 May 2020 18:35

Tgt Ion	Ratio	Lower	Upper
278	100		
139	17.5	9.0	13.6#
279	29.9	18.4	27.6#





#92
 Benzo(a,h,i)perylene
 Concen: 5.983 ng
 RT: 29.53 min Scan# 4500
 Delta R.T. 0.02 min
 Lab File: BG045367.D
 Acq: 13 May 2020 18:35

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.3	28.9
138	10.3	11.4	17.2

Manual Integrations
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