

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
 Data File : BG044465.D
 Acq On : 18 Feb 2020 2:49
 Operator : CG/JU
 Sample : L1528-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-048-B

Manual Integrations
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Quant Time: Feb 18 06:48:34 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 10 16:11:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	84772	20.00	ng	-0.01
21) Naphthalene-d8	10.69	136	344382	20.00	ng	-0.01
39) Acenaphthene-d10	14.53	164	206602	20.00	ng	-0.01
64) Phenanthrene-d10	17.27	188	440486	20.00	ng	-0.01
76) Chrysene-d12	21.52	240	448706	20.00	ng	-0.02
87) Perylene-d12	24.60	264	473411	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	561171	116.83	ng	0.00
7) Phenol-d6	7.06	99	715873	110.98	ng	-0.01
23) Nitrobenzene-d5	9.04	82	440630	72.23	ng	-0.02
42) 2,4,6-Tribromophenol	16.02	330	262070	108.05	ng	-0.01
45) 2-Fluorobiphenyl	13.15	172	951295	77.10	ng	-0.01
79) Terphenyl-d14	19.89	244	1396544	64.02	ng	-0.01
Target Compounds						
50) Dimethylphthalate	13.98	163	47775	3.22	ng	Qvalue # 97
71) Phenanthrene	17.32	178	87511	4.10	ng	96
75) Fluoranthene	19.33	202	243369	9.86	ng	98
78) Pyrene	19.68	202	226630	7.86	ng	94
81) Benzo(a)anthracene	21.50	228	151754	5.49	ng	95
83) Chrysene	21.56	228	142735	5.34	ng	96
86) Indeno(1,2,3-cd)pyrene	28.07	276	103119	2.96	ng	96
88) Benzo(b)fluoranthene	23.62	252	223961	8.21	ng	98
89) Benzo(k)fluoranthene	23.68	252	80201m	3.02	ng	
90) Benzo(a)pyrene	24.45	252	149499	5.80	ng	98
92) Benzo(g,h,i)perylene	29.16	276	100655	3.94	ng	# 93

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

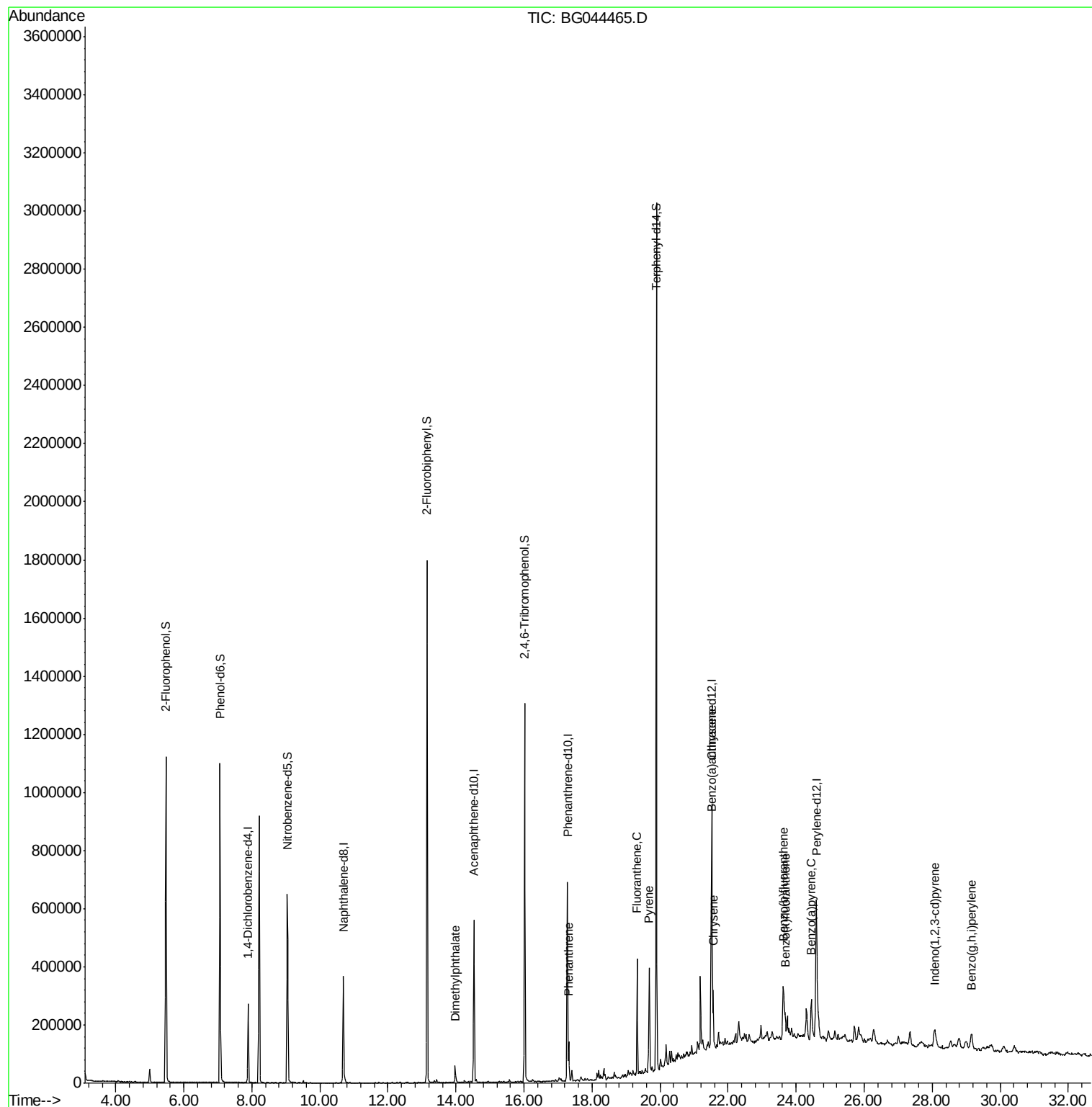
Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG021720\
Data File : BG044465.D
Acq On : 18 Feb 2020 2:49
Operator : CG/JU
Sample : L1528-03
Misc :
ALS Vial : 17 Sample Multiplier: 1

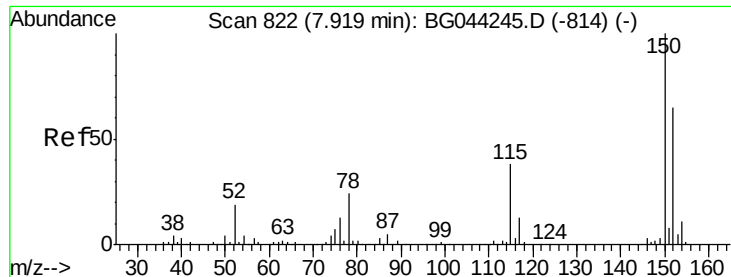
Instrument :
BNA_G
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FK-GF-02-048-B

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG013020.M
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QLast Update : Mon Feb 10 16:11:50 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.89 min Scan# 817

Delta R.T. -0.01 min

Lab File: BG044465.D

Acq: 18 Feb 2020 2:49

Instrument :

BNA_G

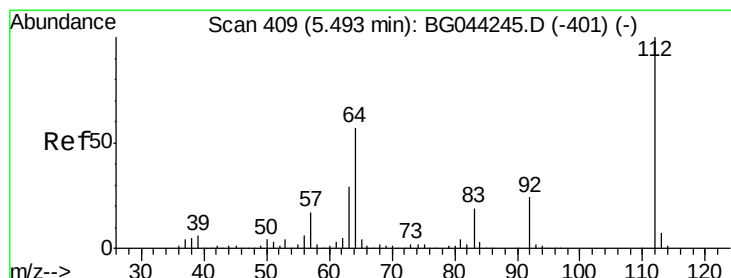
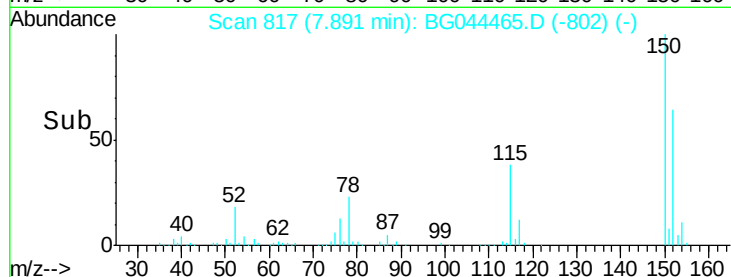
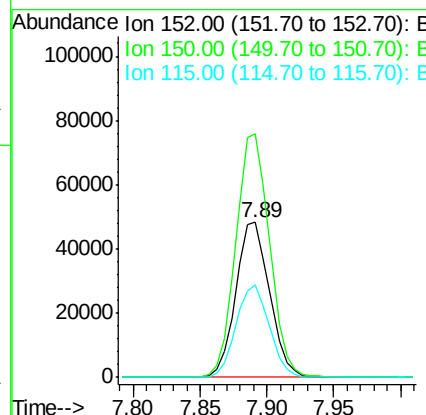
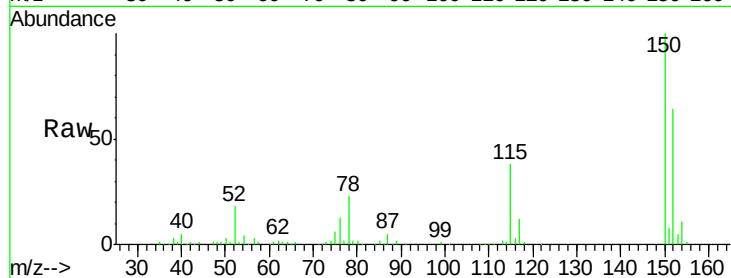
ClientSampleId :

FK-GF-02-048-B

Tgt Ion	Ratio	Lower	Upper
152	100		
150	157.2	122.6	183.8
115	59.5	46.0	69.0

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#5

2-Fluorophenol

Concen: 116.83 ng

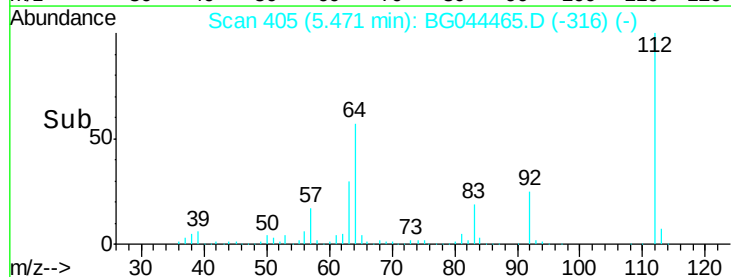
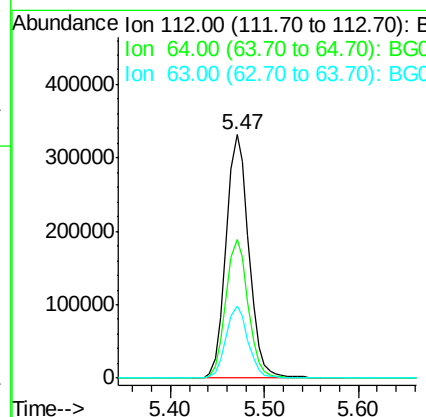
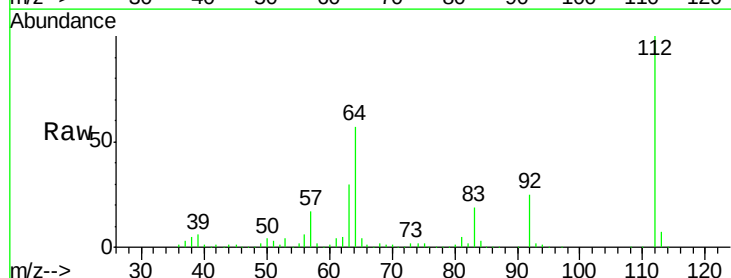
RT: 5.47 min Scan# 405

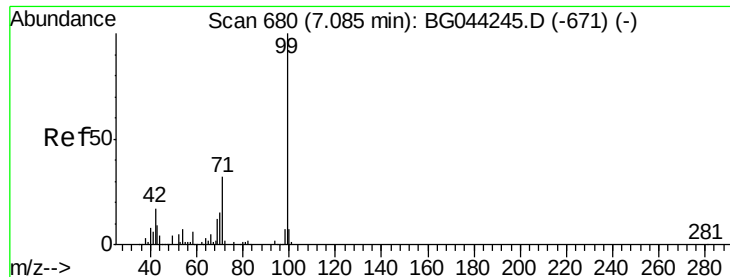
Delta R.T. -0.01 min

Lab File: BG044465.D

Acq: 18 Feb 2020 2:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	45.4	68.2
63	29.5	22.9	34.3





#7

Phenol-d6

Concen: 110.98 ng

RT: 7.06 min Scan# 676

Delta R.T. -0.01 min

Lab File: BG044465.D

Acq: 18 Feb 2020 2:49

Instrument :

BNA_G

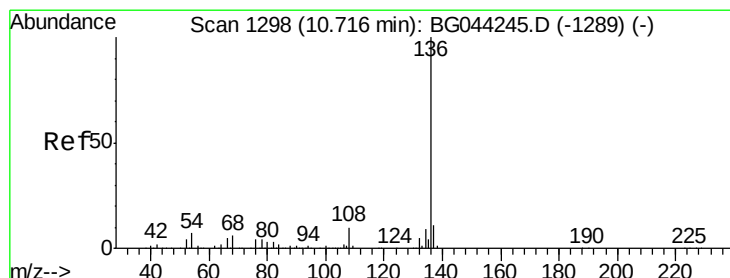
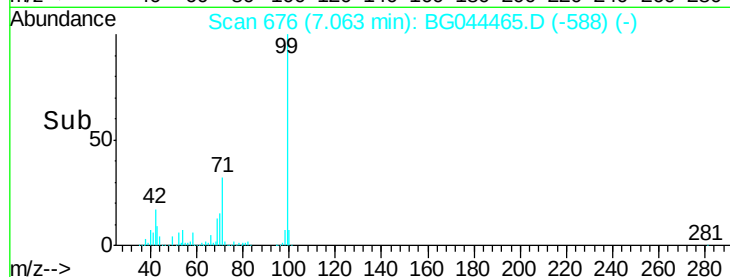
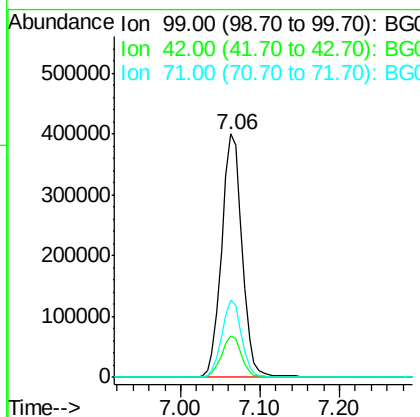
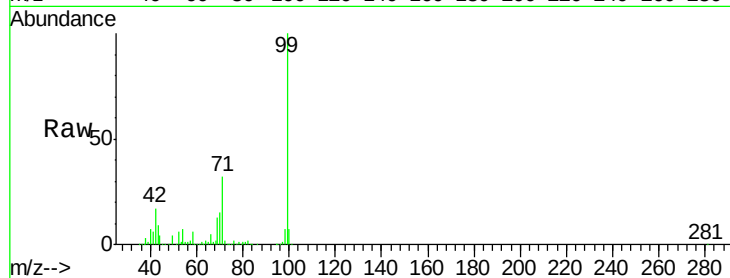
ClientSampleId :

FK-GF-02-048-B

Tgt Ion:	99	Resp:	715873
Ion Ratio	Lower	Upper	
99	100		
42	16.8	13.8	20.6
71	31.7	25.5	38.3

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#21

Naphthalene-d8

Concen: 20.00 ng

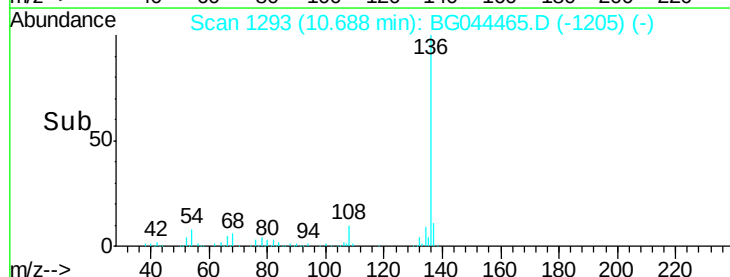
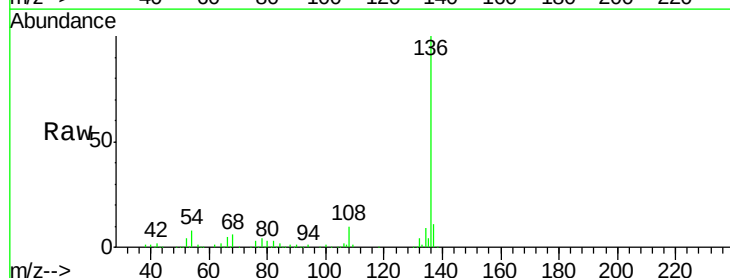
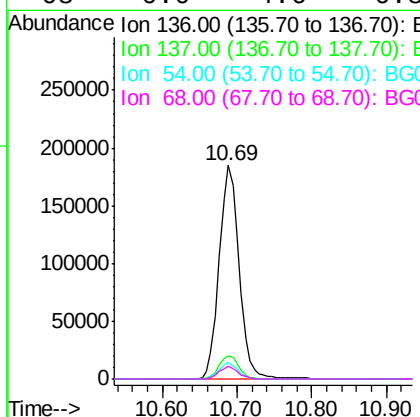
RT: 10.69 min Scan# 1293

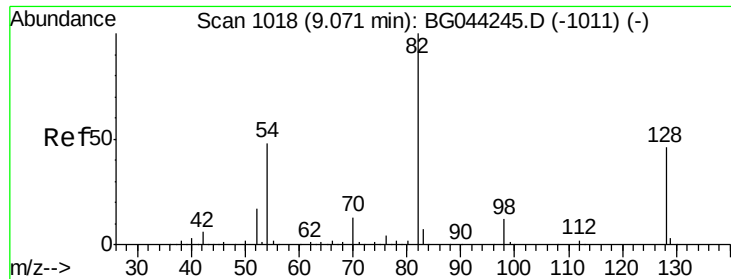
Delta R.T. -0.01 min

Lab File: BG044465.D

Acq: 18 Feb 2020 2:49

Tgt Ion:	136	Resp:	344382
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.8	13.2
54	7.6	5.8	8.8
68	6.0	4.6	6.8





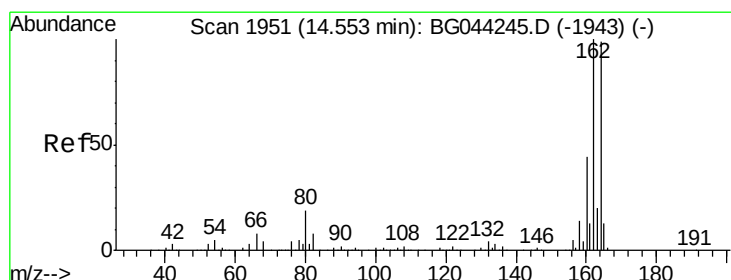
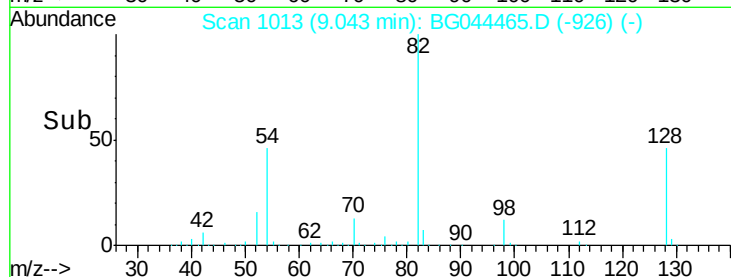
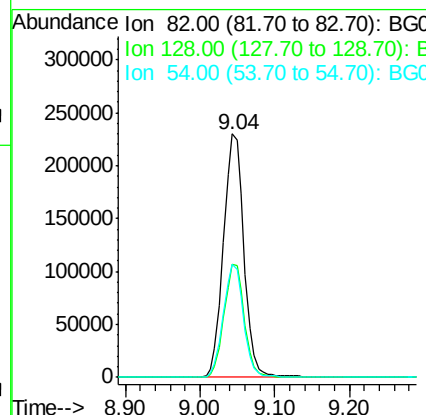
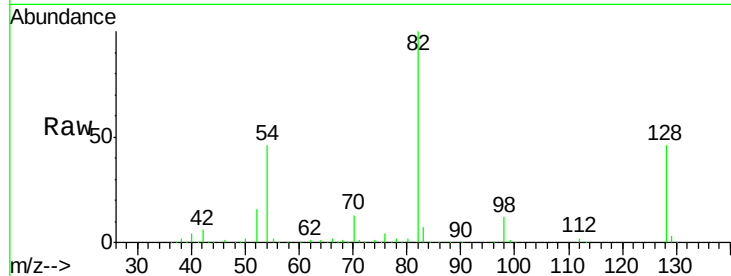
#23
 Nitrobenzene-d5
 Concen: 72.23 ng
 RT: 9.04 min Scan# 1013
 Delta R.T. -0.02 min
 Lab File: BG044465.D
 Acq: 18 Feb 2020 2:49

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-048-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	440630		
128	46.3	36.5	54.7	
54	46.3	38.6	58.0	

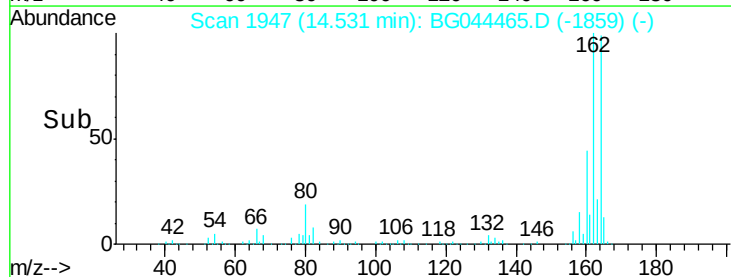
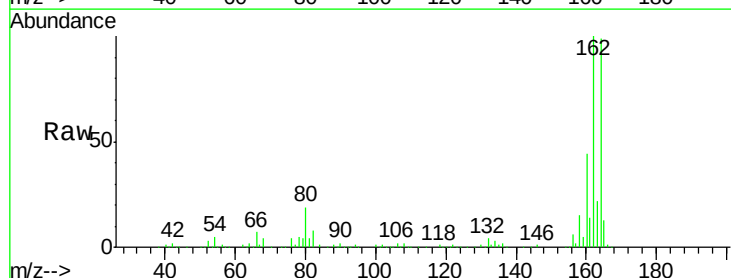
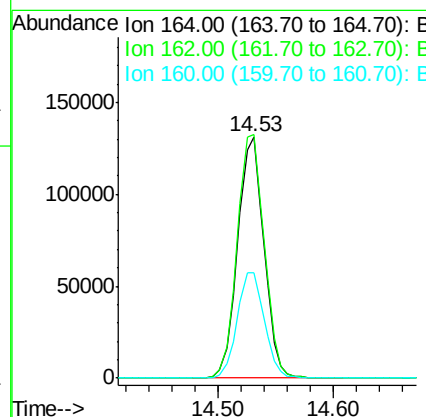
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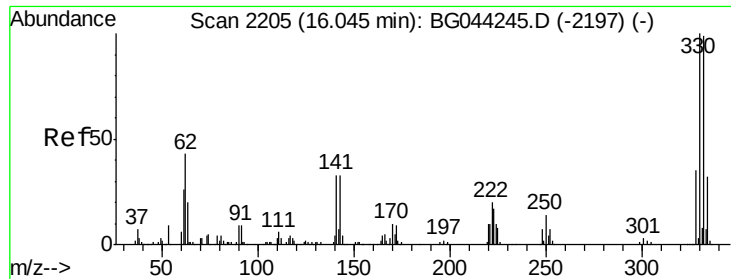
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#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 14.53 min Scan# 1947
 Delta R.T. -0.01 min
 Lab File: BG044465.D
 Acq: 18 Feb 2020 2:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	206602		
162	100.9	80.7	121.1	
160	43.9	35.3	52.9	





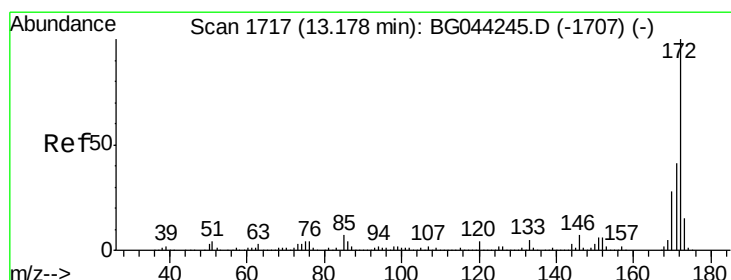
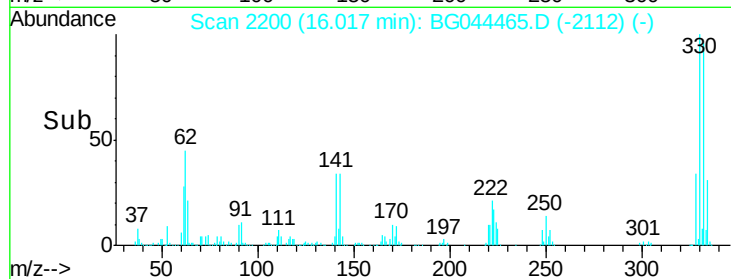
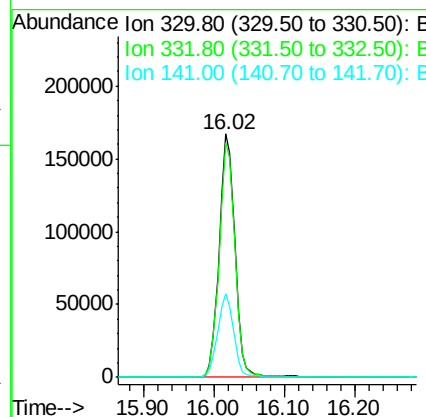
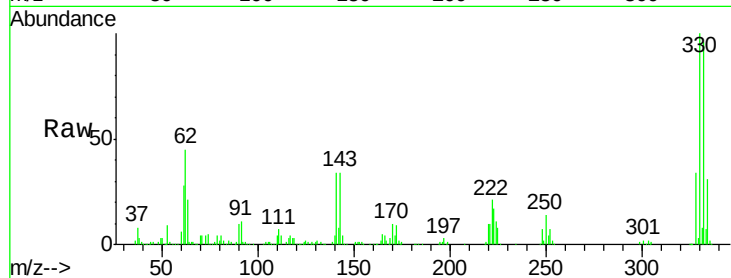
#42
 2,4,6-Tribromophenol
 Concen: 108.05 ng
 RT: 16.02 min Scan# 2200
 Delta R.T. -0.01 min
 Lab File: BG044465.D
 Acq: 18 Feb 2020 2:49

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-048-B

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	262070		
332	96.5	77.2	115.8	
141	34.7	28.3	42.5	

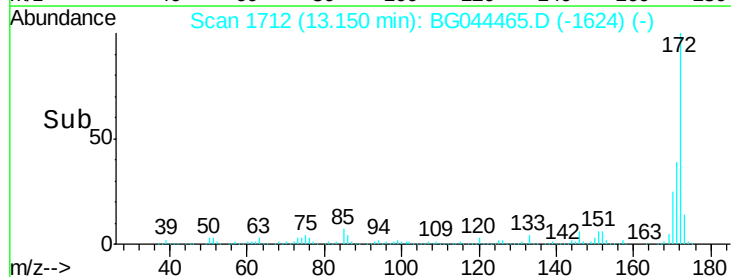
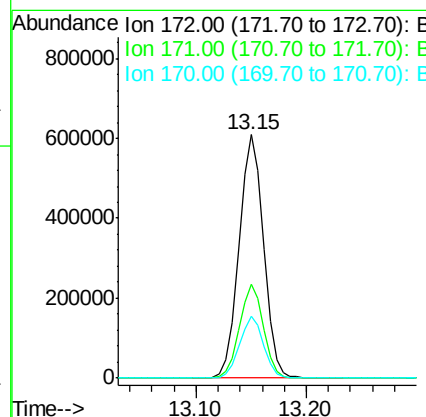
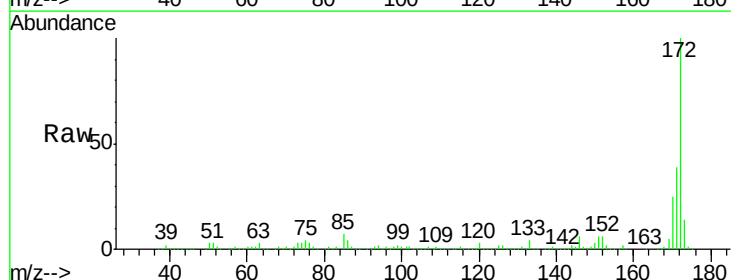
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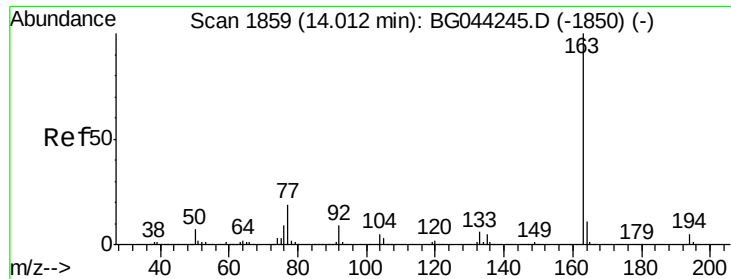
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#45
 2-Fluorobiphenyl
 Concen: 77.10 ng
 RT: 13.15 min Scan# 1712
 Delta R.T. -0.01 min
 Lab File: BG044465.D
 Acq: 18 Feb 2020 2:49

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	951295		
171	38.6	32.9	49.3	
170	25.4	22.0	33.0	





#50

Dimethylphthalate

Concen: 3.22 ng

RT: 13.98 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG044465.D

Acq: 18 Feb 2020 2:49

Instrument :

BNA_G

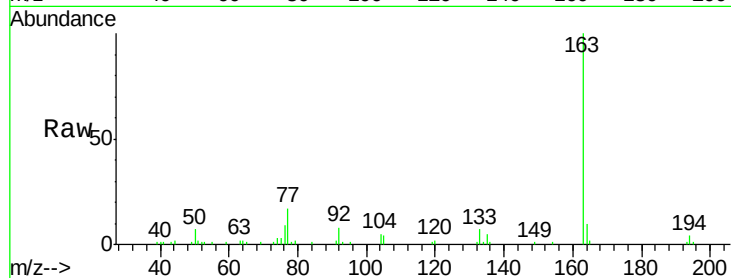
ClientSampleId :

FK-GF-02-048-B

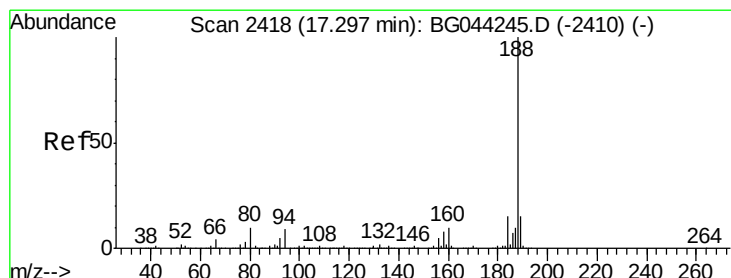
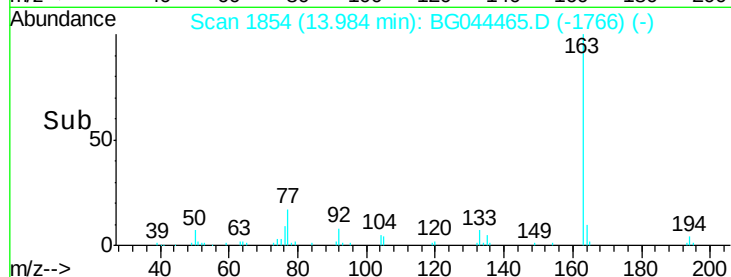
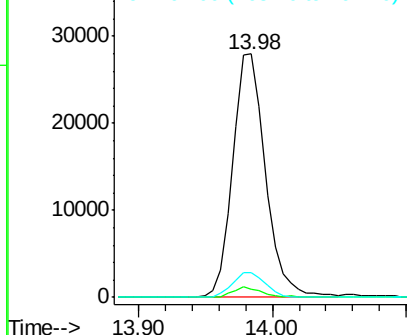
Tgt Ion:	163	Resp:	47775
Ion Ratio	Lower	Upper	
163	100		
194	3.6	3.6	5.4#
164	9.9	8.7	13.1

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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: 20.00 ng

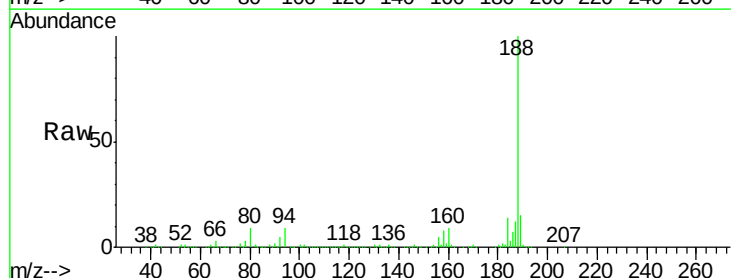
RT: 17.27 min Scan# 2414

Delta R.T. -0.01 min

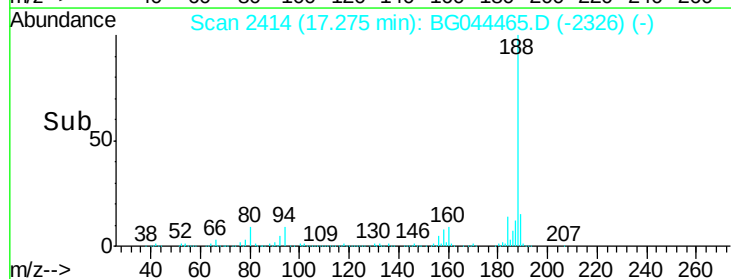
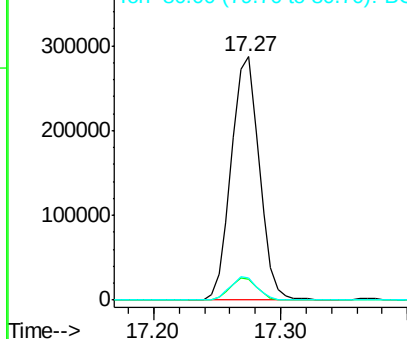
Lab File: BG044465.D

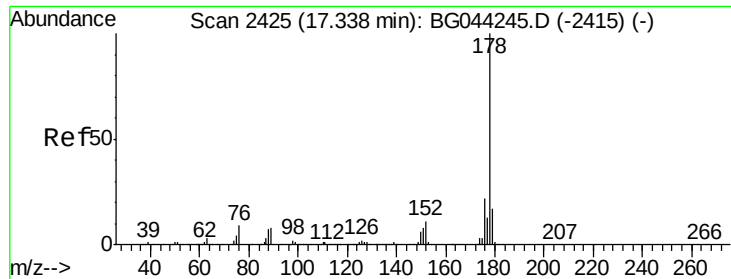
Acq: 18 Feb 2020 2:49

Tgt Ion:	188	Resp:	440486
Ion Ratio	Lower	Upper	
188	100		
94	8.8	7.4	11.2
80	9.2	7.7	11.5



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: 4.10 ng

RT: 17.32 min Scan# 2421

Delta R.T. -0.01 min

Lab File: BG044465.D

Acq: 18 Feb 2020 2:49

Instrument :

BNA_G

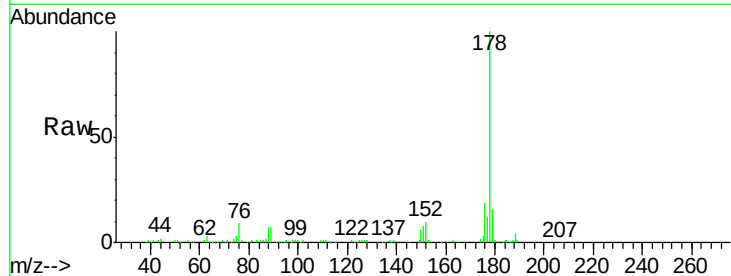
ClientSampleId :

FK-GF-02-048-B

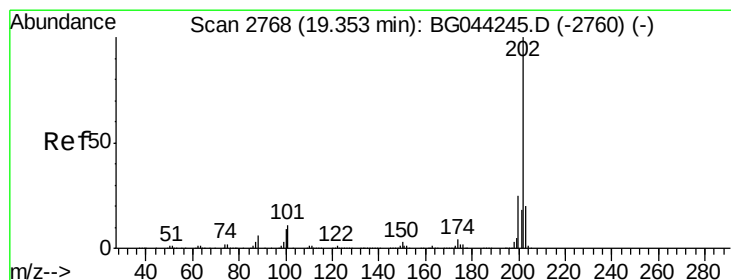
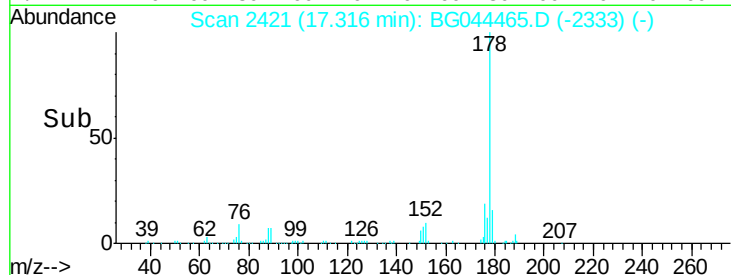
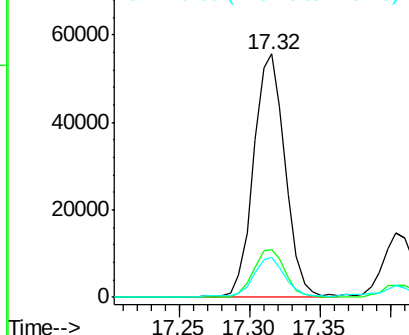
Tgt Ion:	178	Resp:	87511
Ion Ratio	Lower	Upper	
178	100		
176	19.4	17.7	26.5
179	16.2	13.7	20.5

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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: 9.86 ng

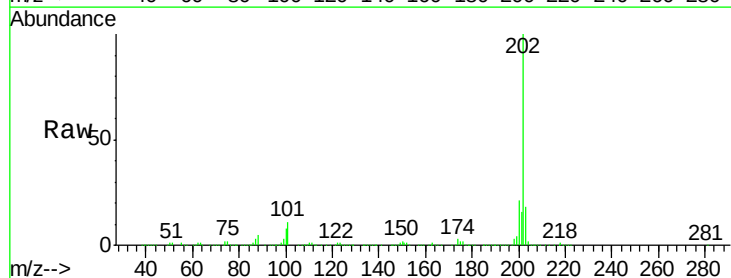
RT: 19.33 min Scan# 2763

Delta R.T. -0.01 min

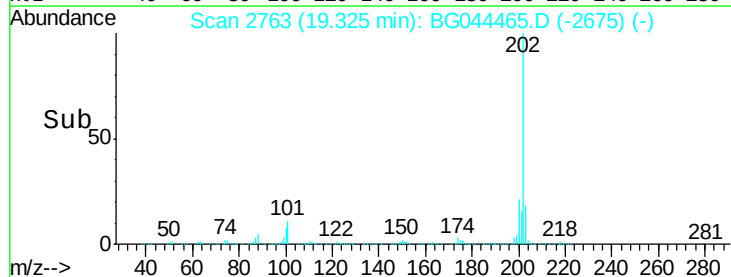
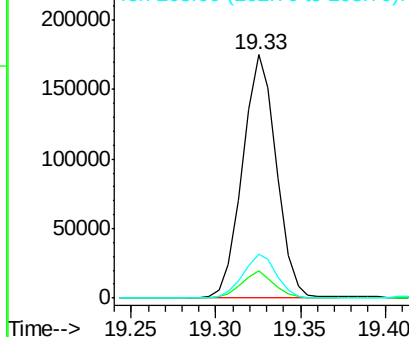
Lab File: BG044465.D

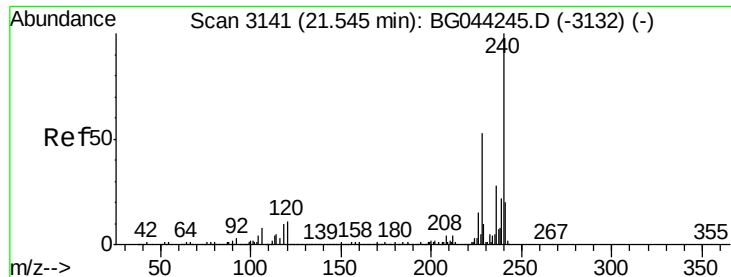
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Tgt Ion:	202	Resp:	243369
Ion Ratio	Lower	Upper	
202	100		
101	11.0	0.0	31.3
203	18.3	0.0	39.9



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





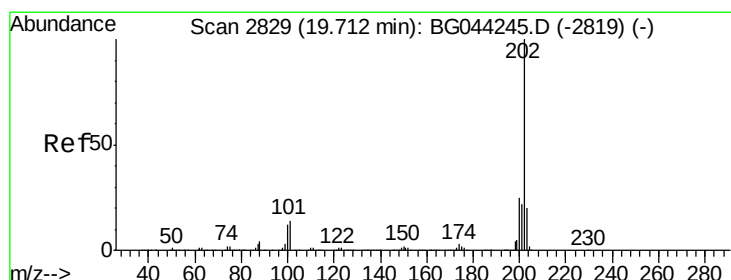
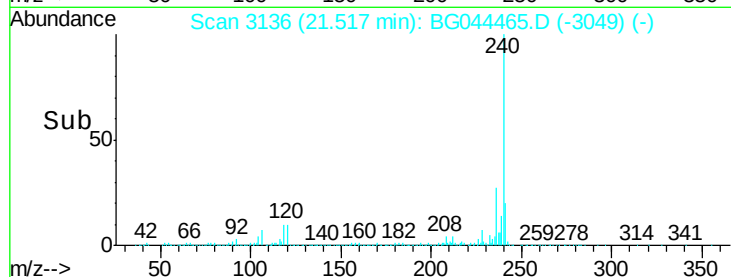
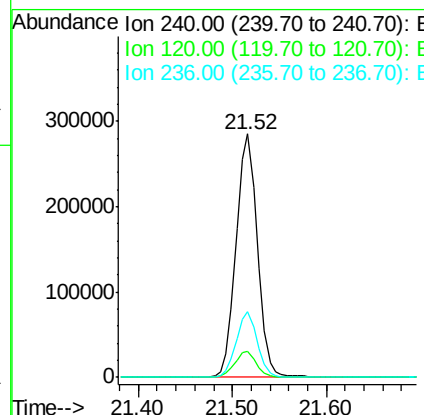
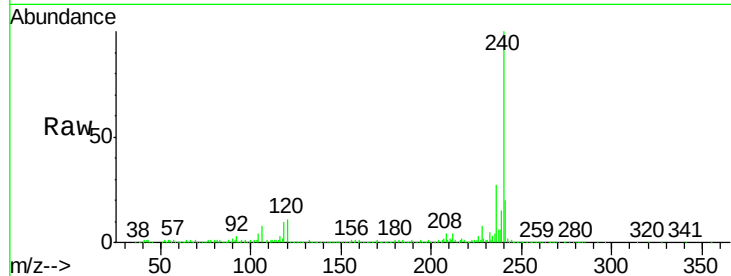
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.52 min Scan# 3136
Delta R.T. -0.02 min
Lab File: BG044465.D
Acq: 18 Feb 2020 2:49

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-048-B

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.6	8.4	12.6
236	27.2	22.1	33.1

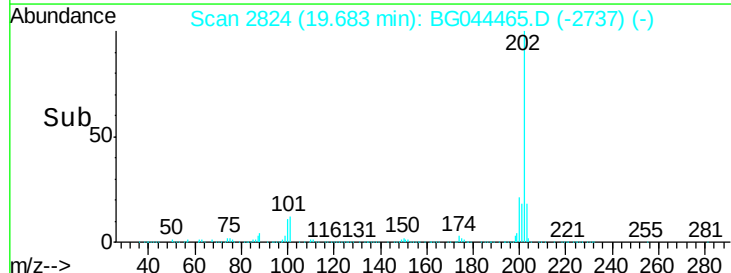
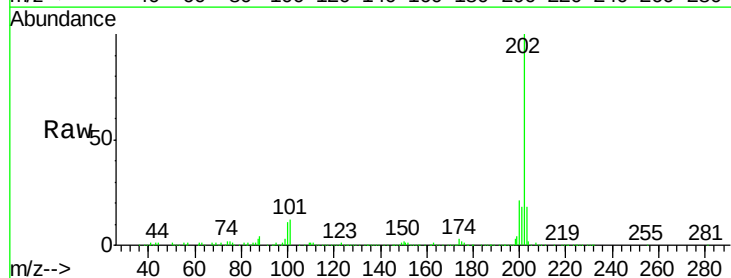
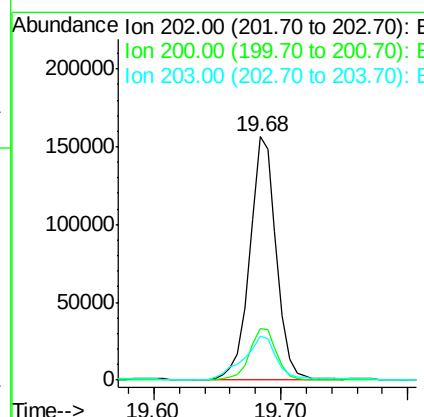
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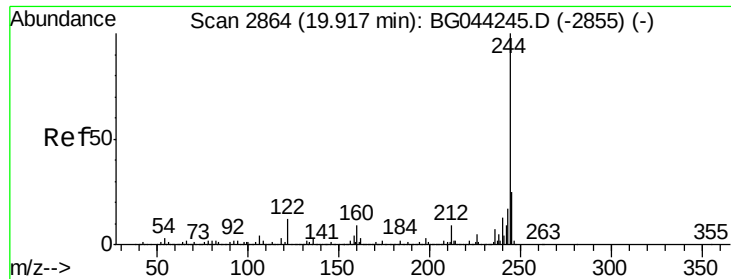
mohammad
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#78
Pyrene
Concen: 7.86 ng
RT: 19.68 min Scan# 2824
Delta R.T. -0.02 min
Lab File: BG044465.D
Acq: 18 Feb 2020 2:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.2	20.0	30.0
203	18.2	16.2	24.2





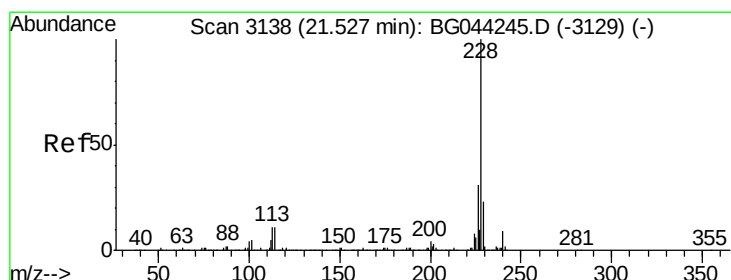
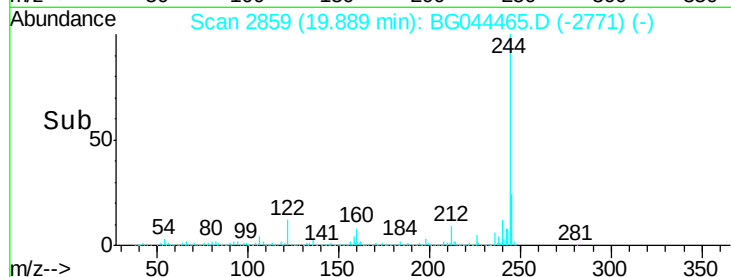
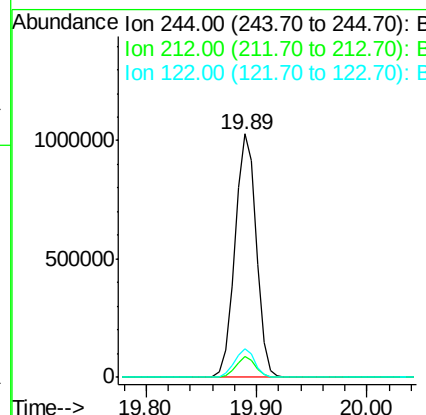
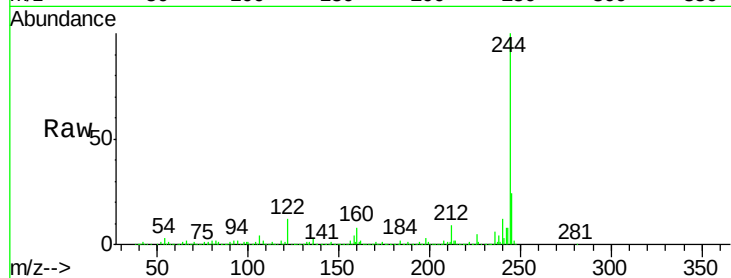
#79
 Terphenyl-d14
 Concen: 64.02 ng
 RT: 19.89 min Scan# 2859
 Delta R.T. -0.01 min
 Lab File: BG044465.D
 Acq: 18 Feb 2020 2:49

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-048-B

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.4	11.2
122	11.6	9.8	14.6

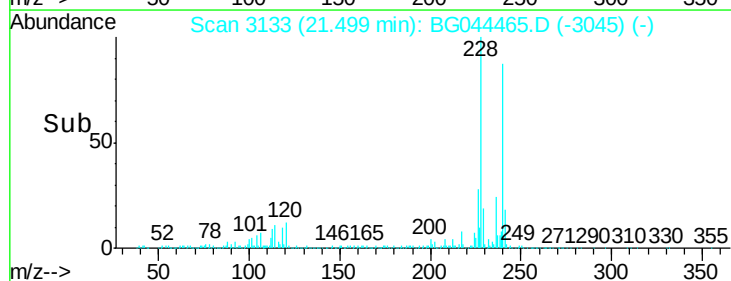
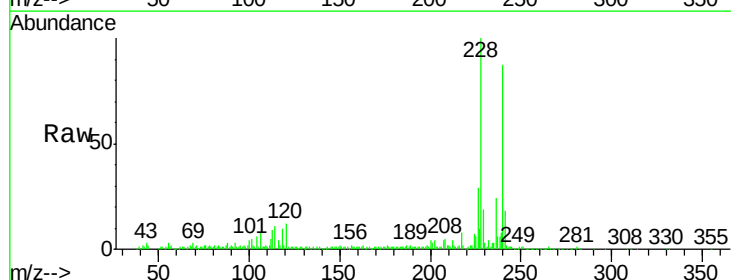
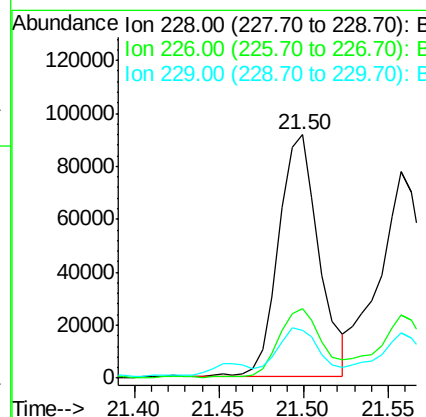
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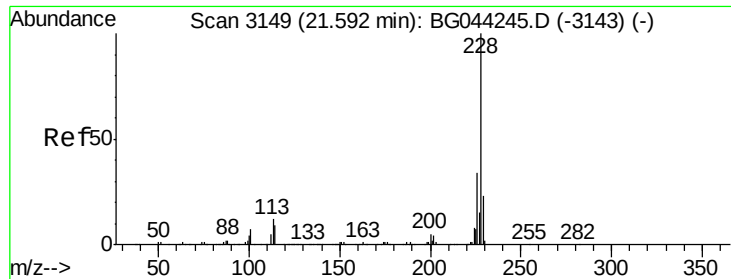
mohammad
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#81
 Benzo(a)anthracene
 Concen: 5.49 ng
 RT: 21.50 min Scan# 3133
 Delta R.T. -0.01 min
 Lab File: BG044465.D
 Acq: 18 Feb 2020 2:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.7	37.1
229	19.5	18.2	27.4





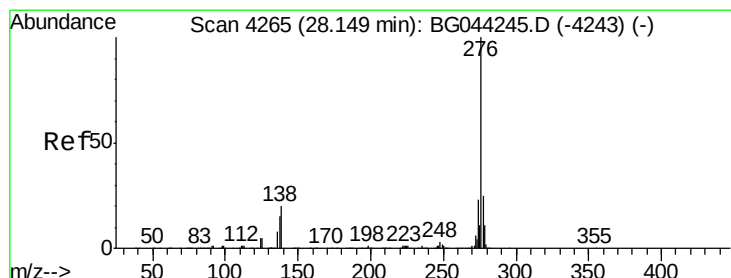
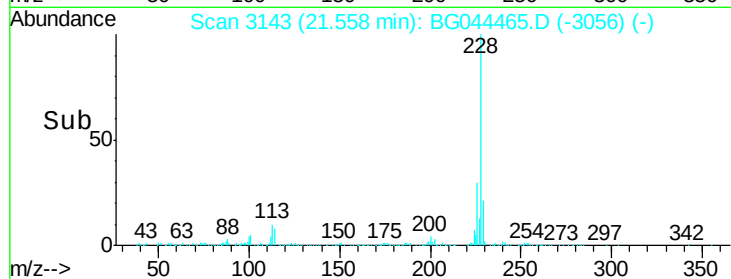
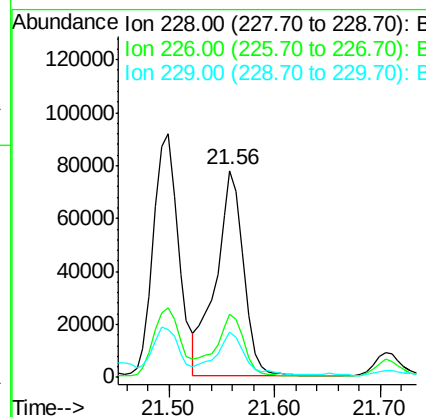
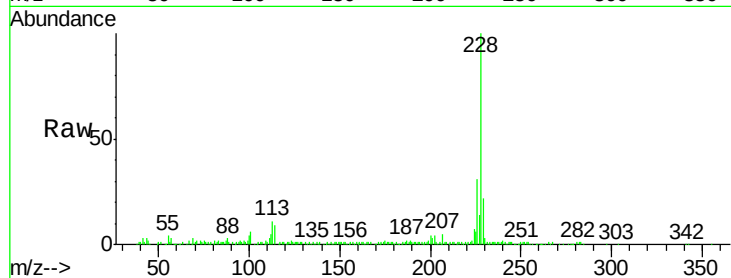
#83
Chrysene
Concen: 5.34 ng
RT: 21.56 min Scan# 3143
Delta R.T. -0.02 min
Lab File: BG044465.D
Acq: 18 Feb 2020 2:49

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-048-B

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	27.1	40.7
229	21.7	17.9	26.9

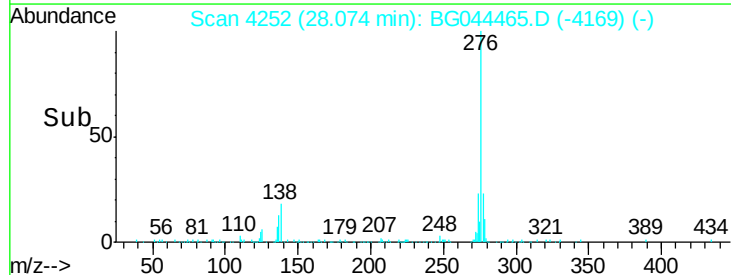
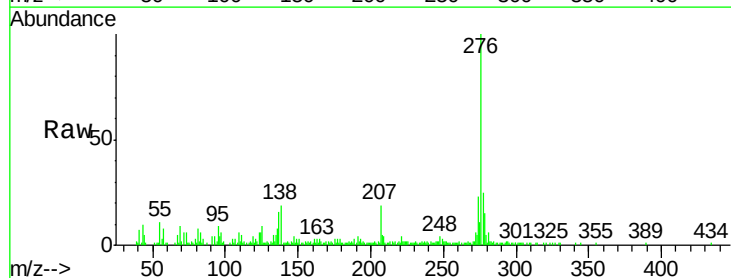
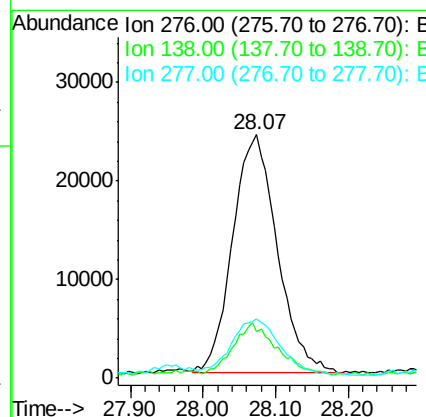
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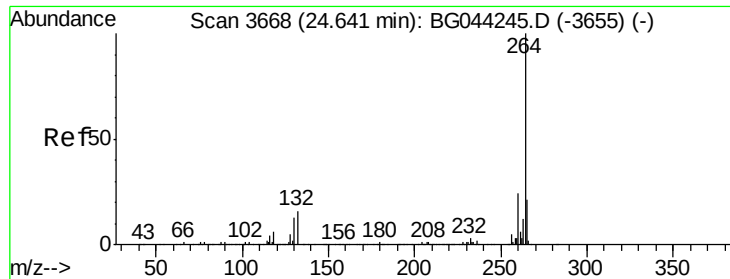
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.96 ng
RT: 28.07 min Scan# 4252
Delta R.T. -0.04 min
Lab File: BG044465.D
Acq: 18 Feb 2020 2:49

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.6	19.4	29.0
277	24.6	21.0	31.6





#87

Perylene-d12

Concen: 20.00 ng

RT: 24.60 min Scan# 3660

Delta R.T. -0.03 min

Lab File: BG044465.D

Acq: 18 Feb 2020 2:49

Instrument :

BNA_G

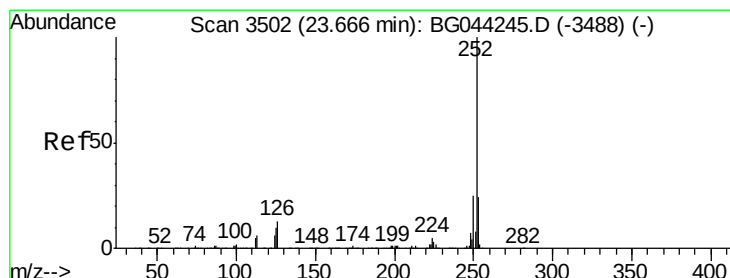
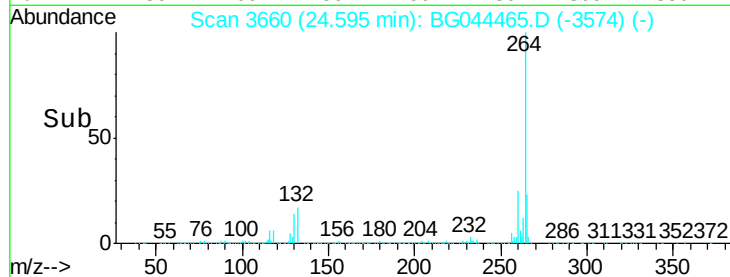
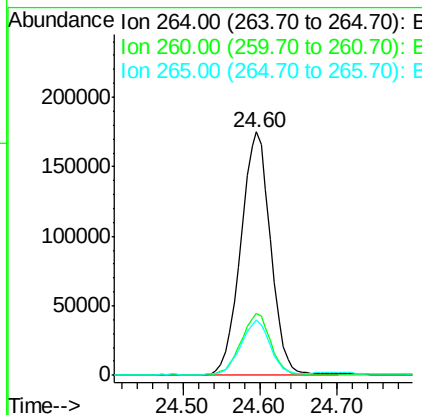
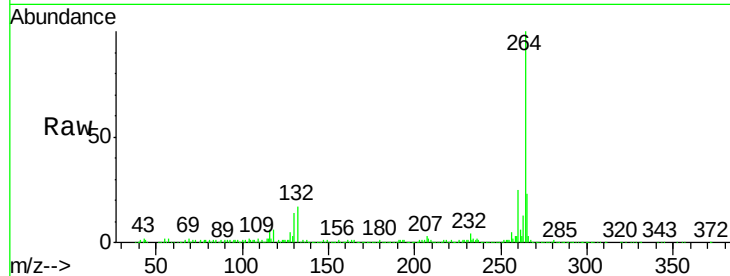
ClientSampleId :

FK-GF-02-048-B

Tgt Ion:	264	Resp:	473411
Ion Ratio	Lower	Upper	
264	100		
260	25.3	19.4	29.2
265	22.7	16.7	25.1

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#88

Benzo(b)fluoranthene

Concen: 8.21 ng

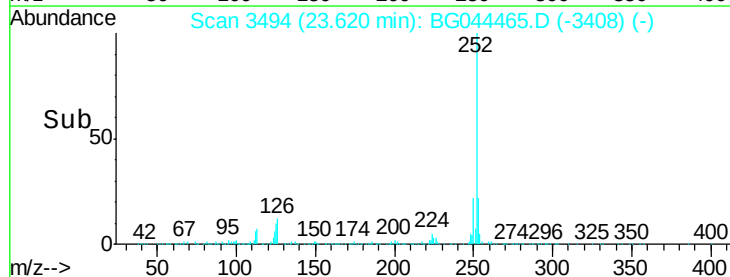
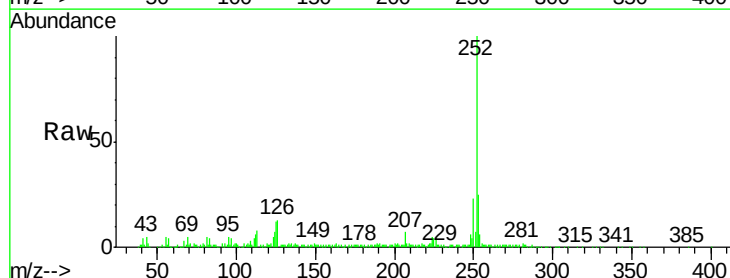
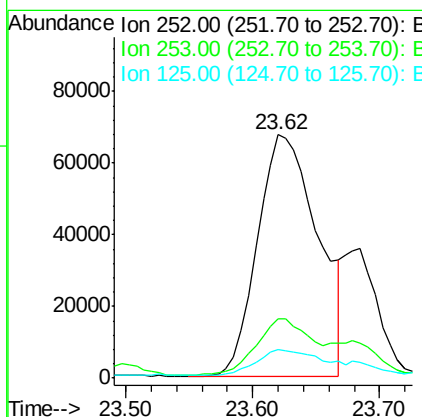
RT: 23.62 min Scan# 3494

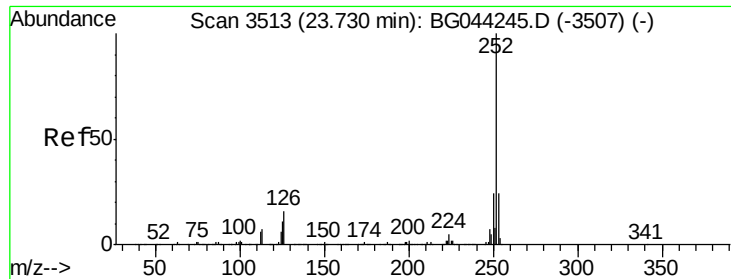
Delta R.T. -0.03 min

Lab File: BG044465.D

Acq: 18 Feb 2020 2:49

Tgt Ion:	252	Resp:	223961
Ion Ratio	Lower	Upper	
252	100		
253	24.5	19.2	28.8
125	11.7	8.4	12.6





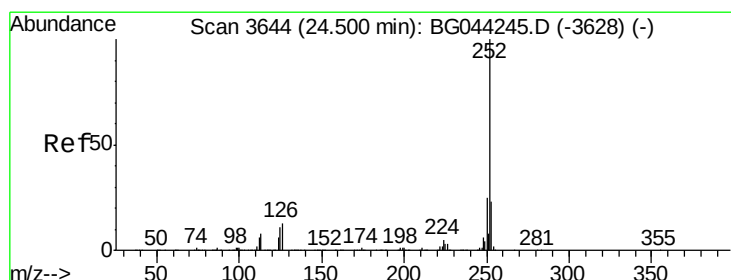
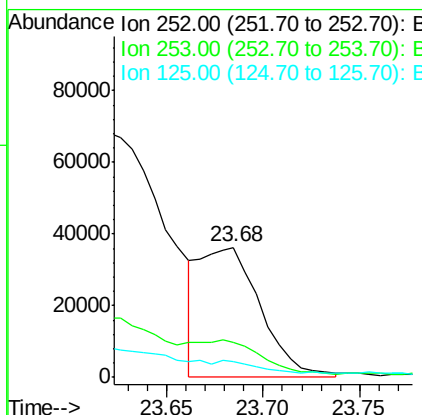
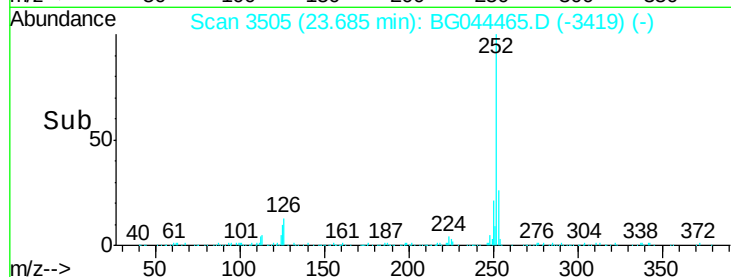
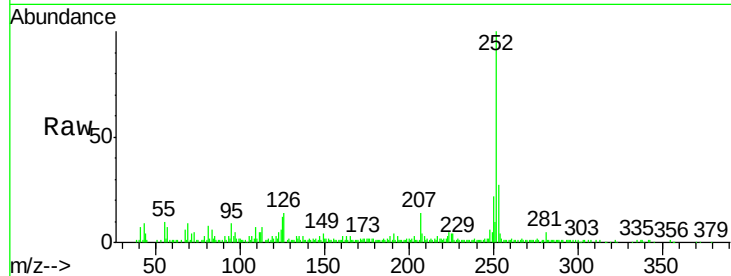
#89
Benzo(k)fluoranthene
Concen: 3.02 ng m
RT: 23.68 min Scan# 3505
Delta R.T. -0.03 min
Lab File: BG044465.D
Acq: 18 Feb 2020 2:49

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-048-B

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.1	28.7
125	11.7	8.6	12.8

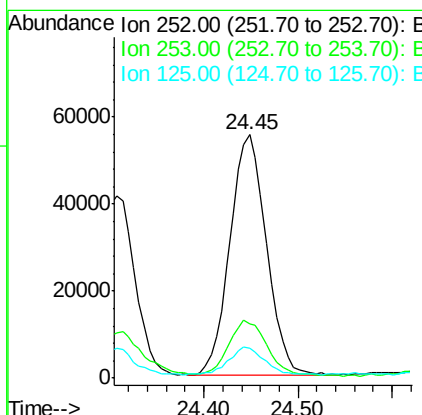
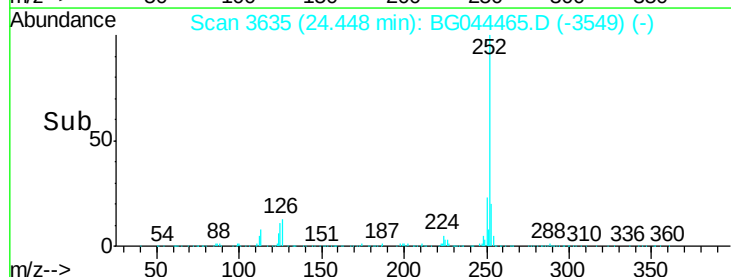
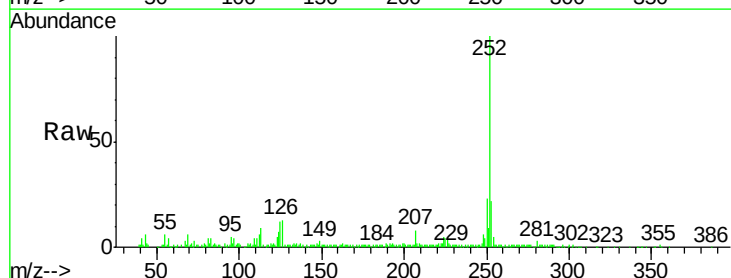
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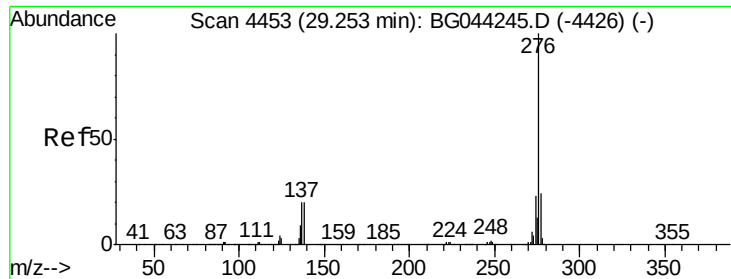
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#90
Benzo(a)pyrene
Concen: 5.80 ng
RT: 24.45 min Scan# 3635
Delta R.T. -0.03 min
Lab File: BG044465.D
Acq: 18 Feb 2020 2:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.1	27.1
125	12.4	8.6	13.0





#92
 Benzo(g,h,i)perylene
 Concen: 3.94 ng
 RT: 29.16 min Scan# 4437
 Delta R.T. -0.04 min
 Lab File: BG044465.D
 Acq: 18 Feb 2020 2:49

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-048-B

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.0	18.8	28.2
138	25.1	16.2	24.2#

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