

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG031721\
 Data File : BG048409.D
 Acq On : 17 Mar 2021 22:30
 Operator : CG/JU
 Sample : M1691-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-068-A

Manual Integrations
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Quant Time: Mar 18 00:20:32 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG031621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 16 16:05:10 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.115	152	69108	20.00	ng	0.00
21) Naphthalene-d8	10.935	136	263545	20.00	ng	0.00
39) Acenaphthene-d10	14.754	164	190299	20.00	ng	0.00
64) Phenanthrene-d10	17.504	188	388395	20.00	ng	# 0.00
76) Chrysene-d12	21.799	240	376390	20.00	ng	# 0.00
86) Perylene-d12	25.148	264	387496	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.665	112	364520	90.60	ng	0.00
7) Phenol-d6	7.263	99	510906	86.19	ng	0.00
23) Nitrobenzene-d5	9.278	82	400365	67.50	ng	0.00
42) 2,4,6-Tribromophenol	16.241	330	245946	101.02	ng	0.00
45) 2-Fluorobiphenyl	13.379	172	793433	58.76	ng	0.00
79) Terphenyl-d14	20.113	244	1118910	57.45	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.545	178	292542	14.29	ng	95
72) Anthracene	17.639	178	46664m	2.30	ng	
75) Fluoranthene	19.554	202	454811	16.75	ng	96
78) Pyrene	19.919	202	446409	17.81	ng	96
81) Benzo(a)anthracene	21.781	228	227556	8.72	ng	99
83) Chrysene	21.846	228	211019	8.48	ng	98
87) Indeno(1,2,3-cd)pyrene	28.967	276	106269	3.57	ng	# 87
88) Benzo(b)fluoranthene	24.078	252	273190	10.11	ng	# 94
89) Benzo(k)fluoranthene	24.143	252	99291m	3.83	ng	
90) Benzo(a)pyrene	24.983	252	203174m	8.16	ng	
92) Benzo(g,h,i)perylene	30.165	276	92518	3.76	ng	98

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

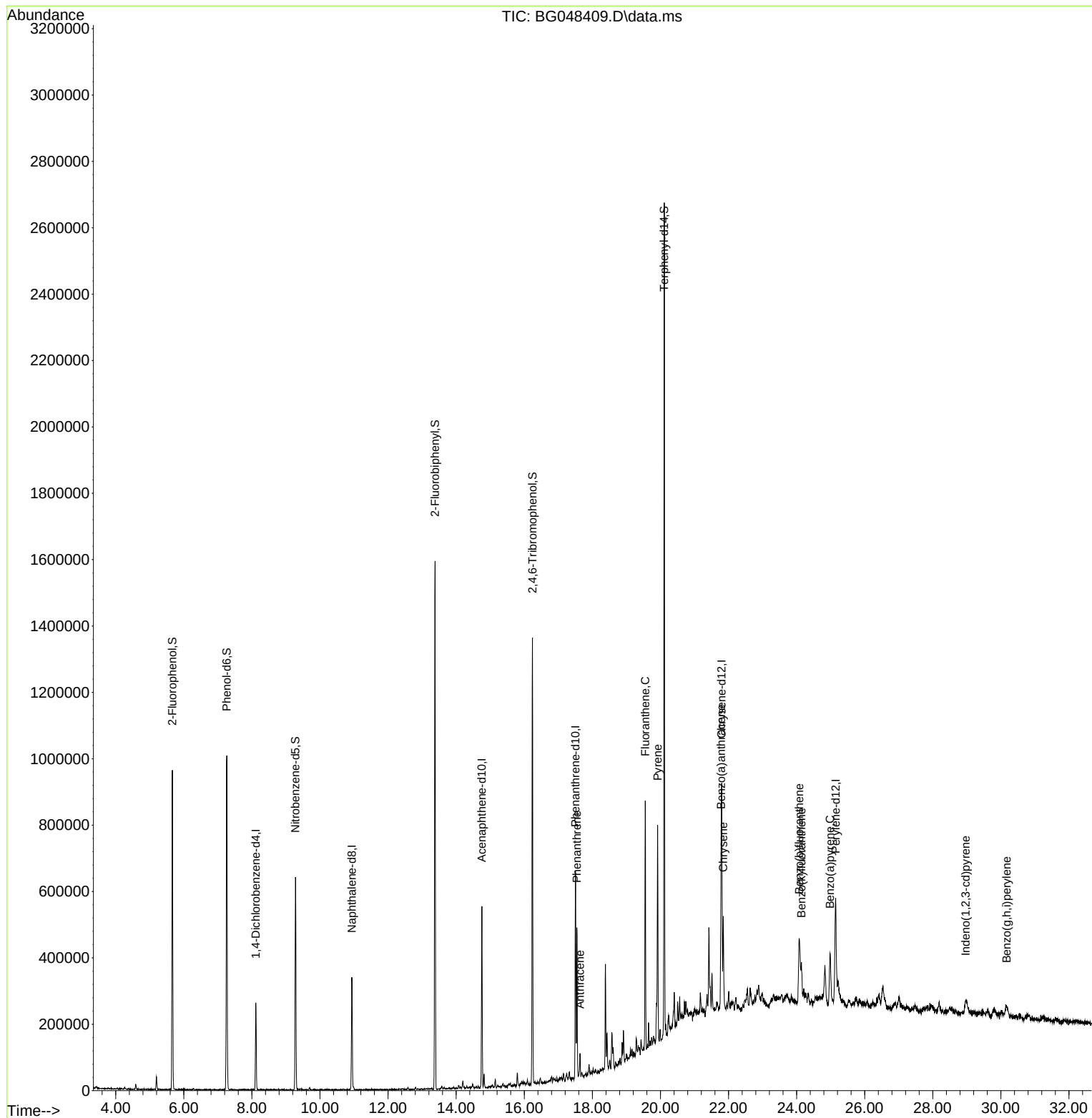
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Data File : BG048409.D
Acq On : 17 Mar 2021 22:30
Operator : CG/JU
Sample : M1691-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

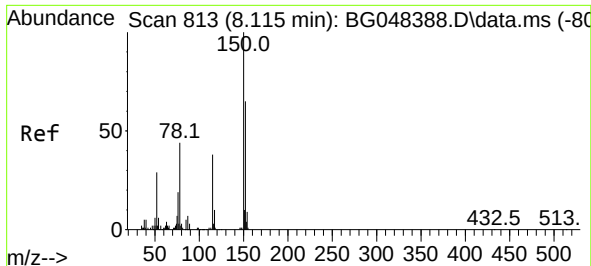
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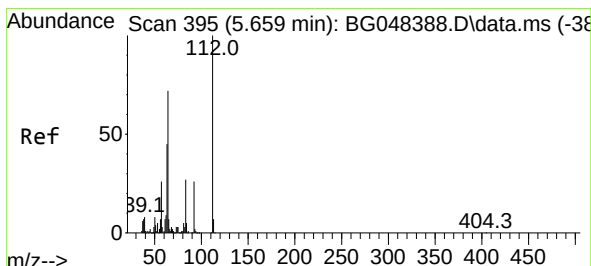
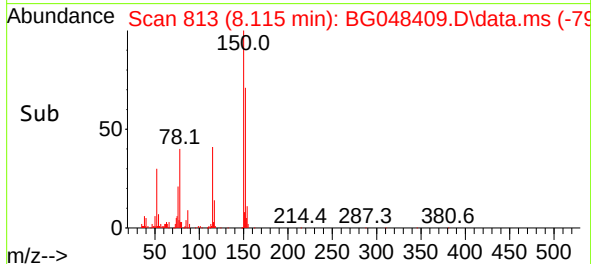
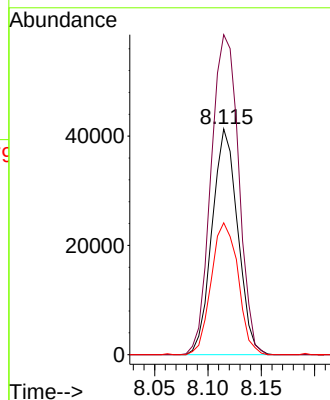
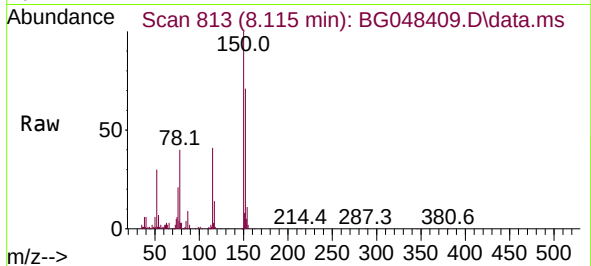
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.115 min Scan# 813
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion	Ratio	Lower	Upper
152	100		
150	141.8	125.0	187.6
115	58.4	41.8	62.6

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

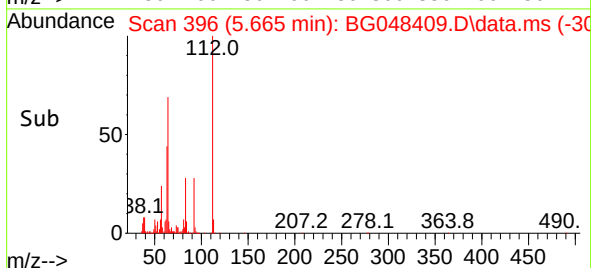
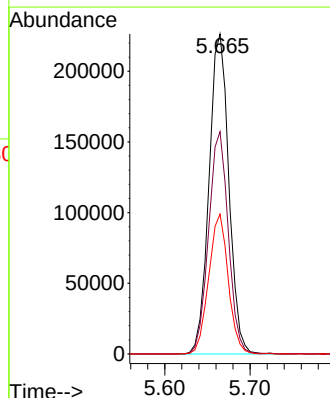
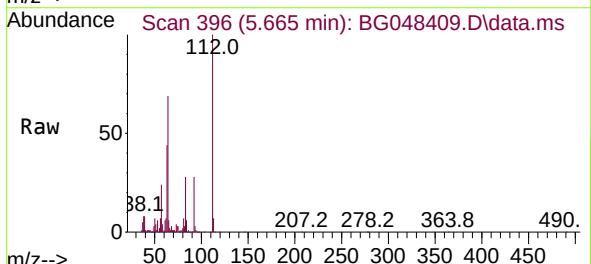
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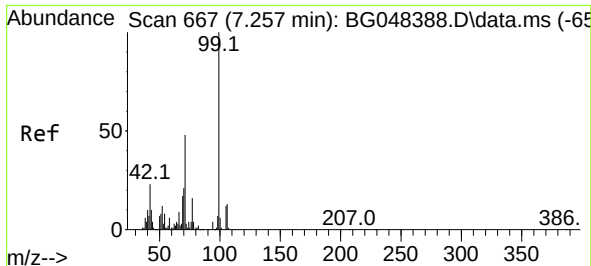
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#5
2-Fluorophenol
Concen: 90.60 ng
RT: 5.665 min Scan# 396
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

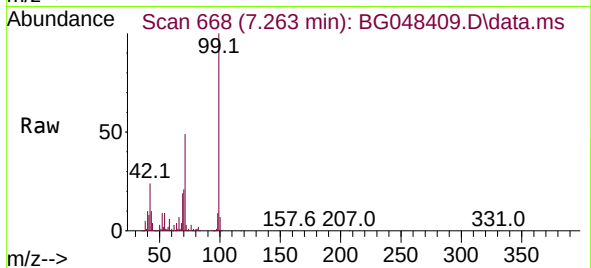
Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.4	46.7	70.1
63	43.7	22.8	34.2





#7
Phenol-d6
Concen: 86.19 ng
RT: 7.263 min Scan# 668
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

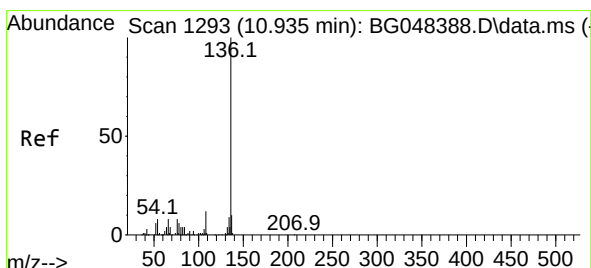
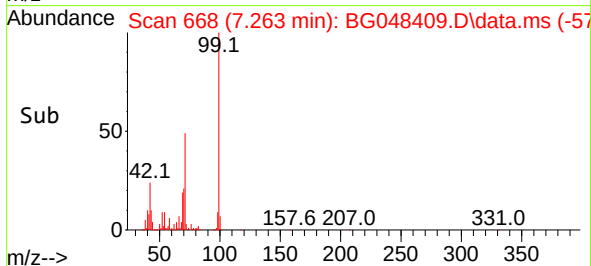
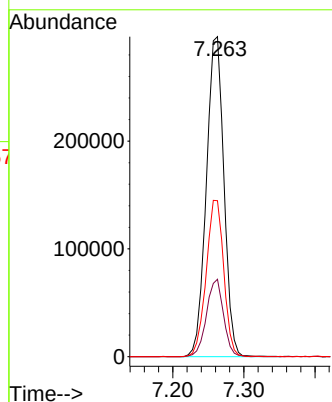
Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A



Tgt Ion: 99 Resp: 510906
Ion Ratio Lower Upper
99 100
42 24.2 12.8 19.2#
71 48.8 24.6 36.8#

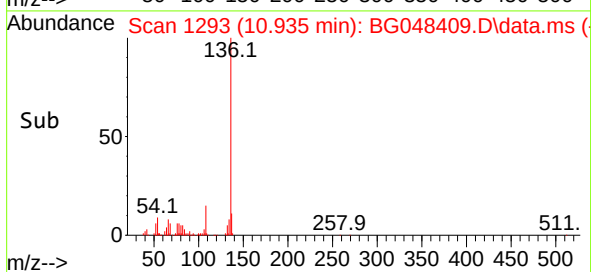
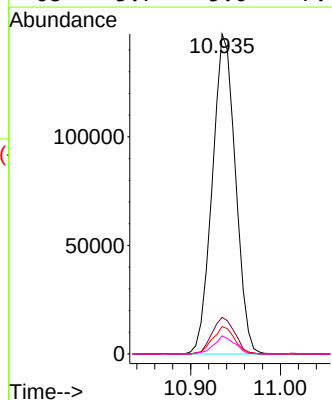
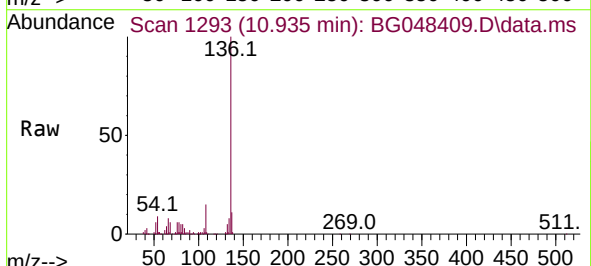
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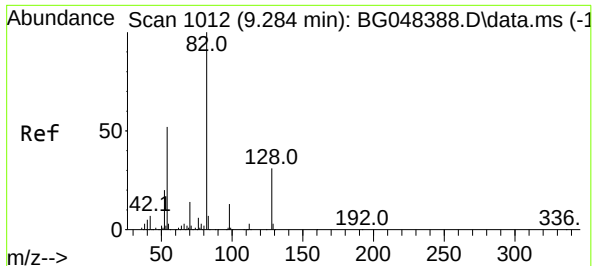
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.935 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

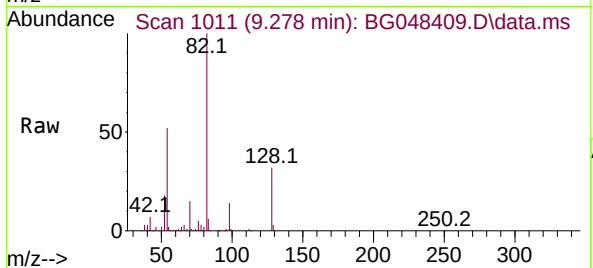
Tgt Ion: 136 Resp: 263545
Ion Ratio Lower Upper
136 100
137 11.5 9.1 13.7
54 8.5 6.2 9.4
68 5.7 5.0 7.4





#23
Nitrobenzene-d5
Concen: 67.50 ng
RT: 9.278 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

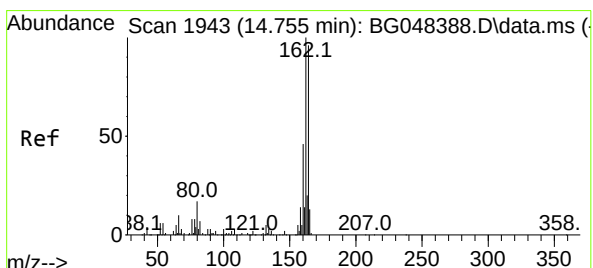
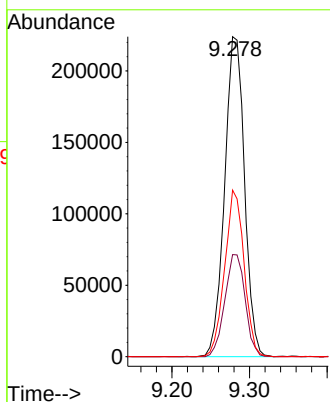
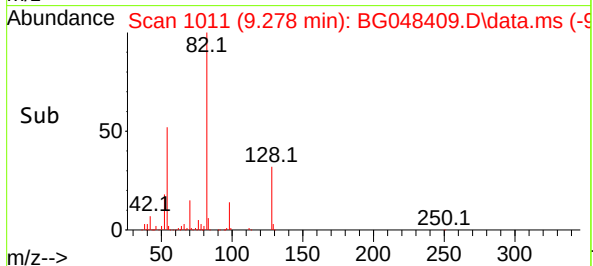
Instrument :
BNA_G
ClientSampleId :
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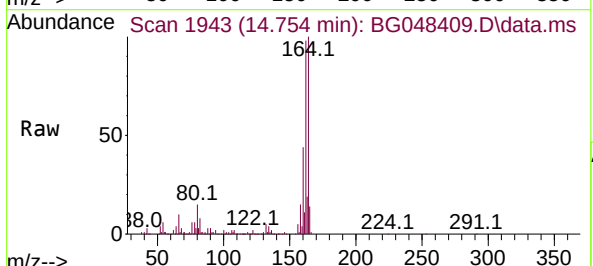
Tgt Ion: 82 Resp: 400365
Ion Ratio Lower Upper
82 100
128 31.9 37.0 55.6#
54 52.1 39.0 58.4

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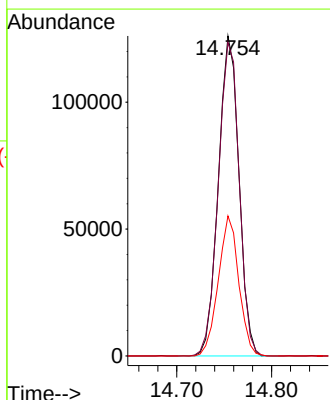
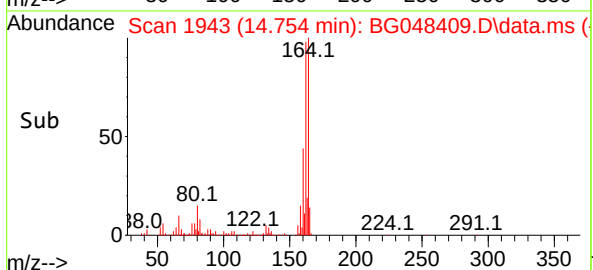
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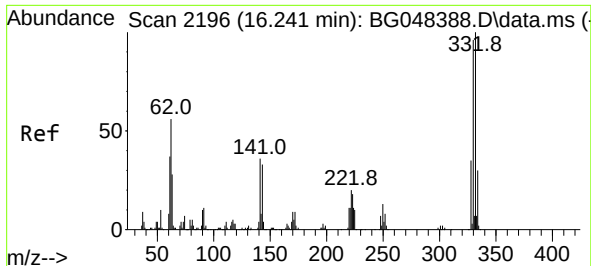


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.754 min Scan# 1943
Delta R.T. -0.001 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30



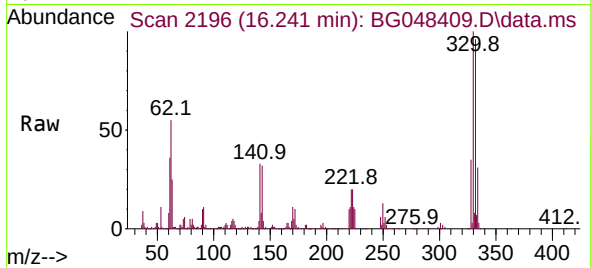
Tgt Ion: 164 Resp: 190299
Ion Ratio Lower Upper
164 100
162 97.9 82.3 123.5
160 43.8 35.3 52.9





#42
2,4,6-Tribromophenol
Concen: 101.02 ng
RT: 16.241 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

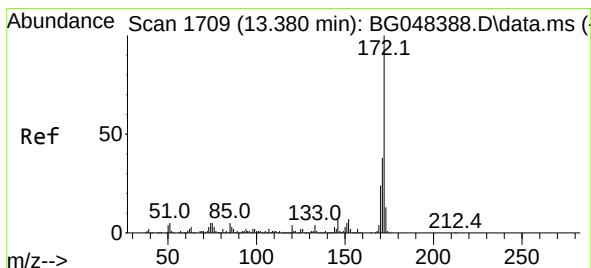
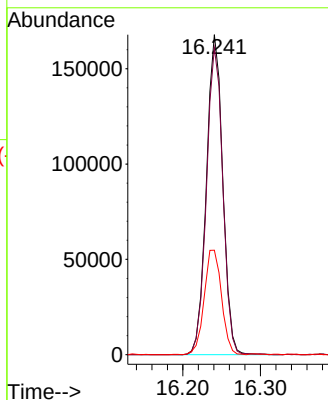
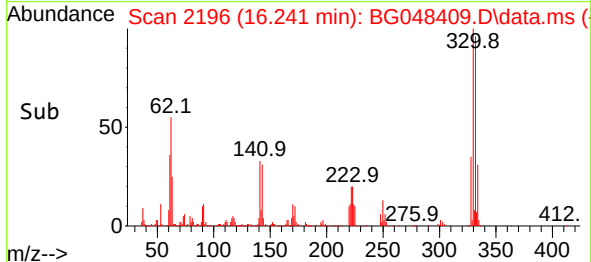
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ClientSampleId :
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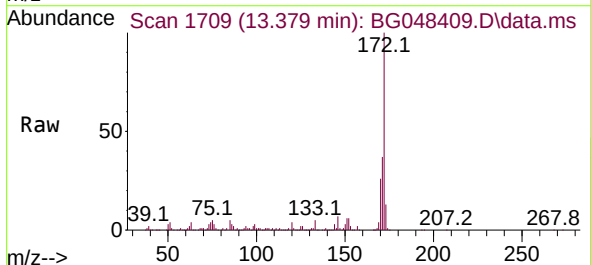
Tgt Ion:330 Resp: 245946
Ion Ratio Lower Upper
330 100
332 96.1 76.5 114.7
141 34.8 26.0 39.0

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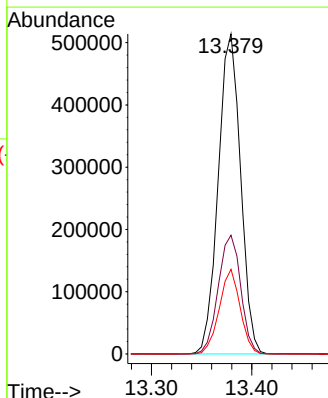
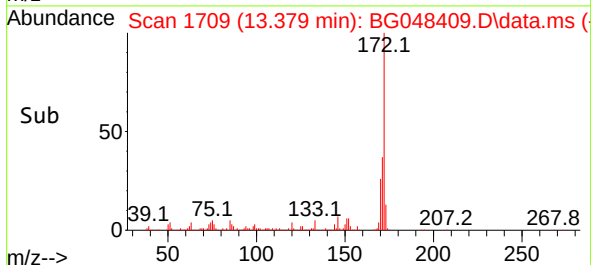
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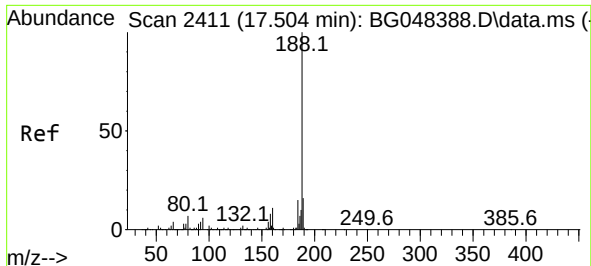


#45
2-Fluorobiphenyl
Concen: 58.76 ng
RT: 13.379 min Scan# 1709
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30



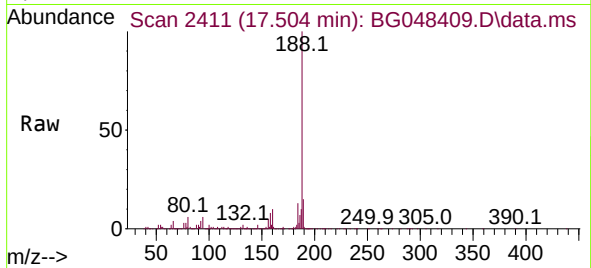
Tgt Ion:172 Resp: 793433
Ion Ratio Lower Upper
172 100
171 37.1 31.3 46.9
170 26.4 20.8 31.2





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.504 min Scan# 2411
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

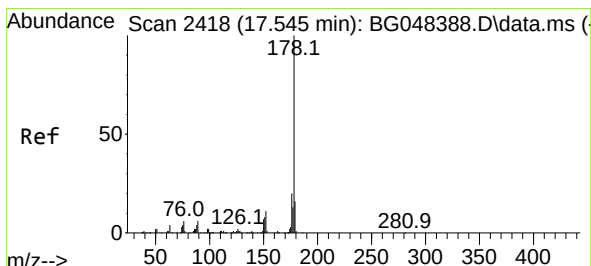
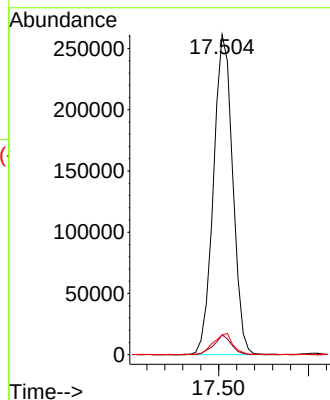
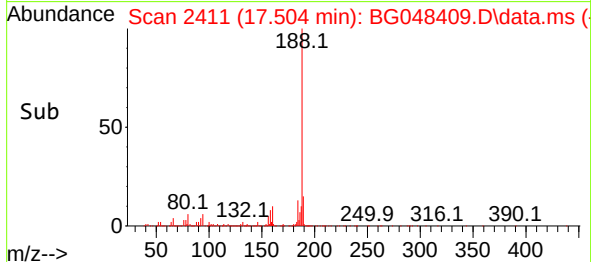
Instrument :
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ClientSampleId :
FK-GF-02-068-A



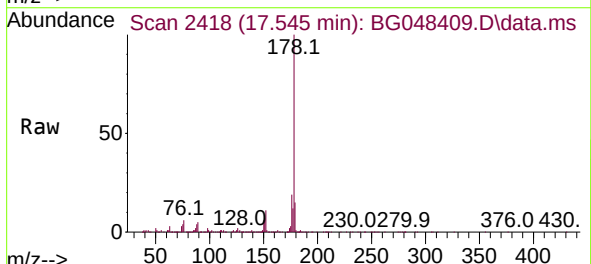
Tgt Ion:188 Resp: 388395
Ion Ratio Lower Upper
188 100
94 6.2 6.3 9.5#
80 6.2 7.0 10.6#

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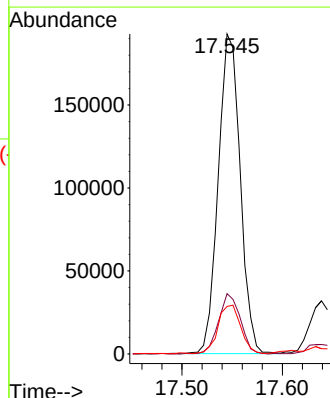
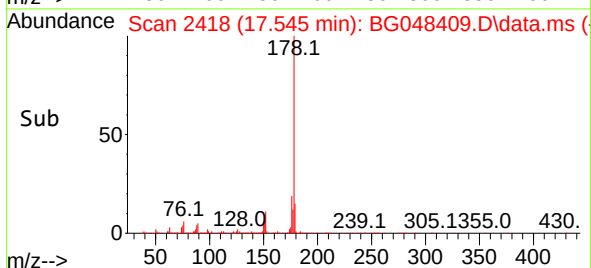
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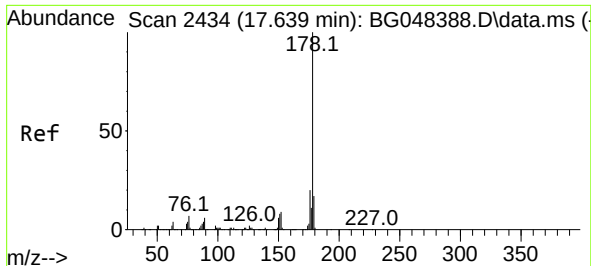


#71
Phenanthrene
Concen: 14.29 ng
RT: 17.545 min Scan# 2418
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30



Tgt Ion:178 Resp: 292542
Ion Ratio Lower Upper
178 100
176 18.8 16.7 25.1
179 14.8 14.0 21.0





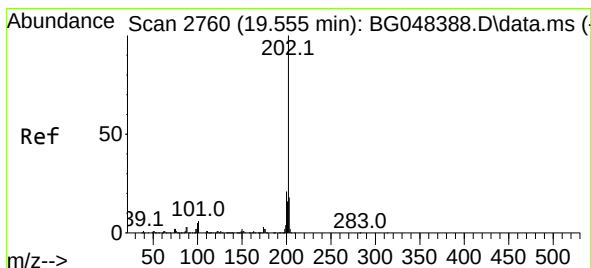
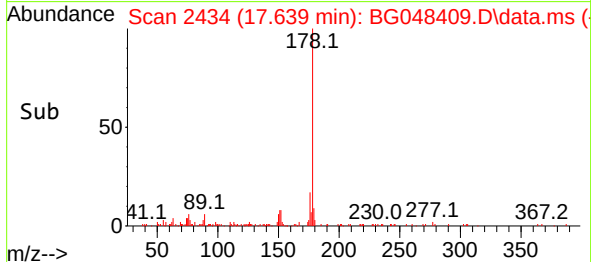
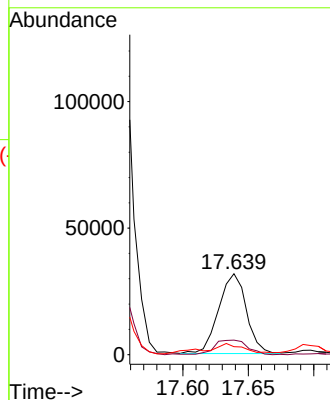
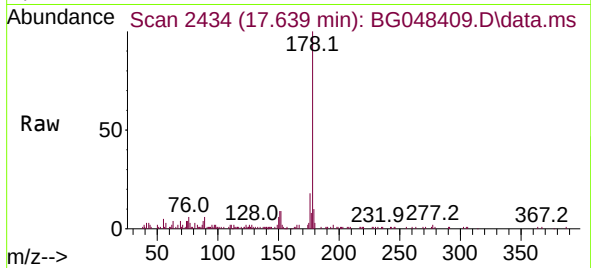
#72
 Anthracene
 Concen: 2.30 ng m
 RT: 17.639 min Scan# 2434
 Delta R.T. -0.000 min
 Lab File: BG048409.D
 Acq: 17 Mar 2021 22:30

Tgt Ion:178 Resp: 46664
 Ion Ratio Lower Upper
 178 100
 176 17.9 16.4 24.6
 179 9.9 13.8 20.6#

Instrument :
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 FK-GF-02-068-A

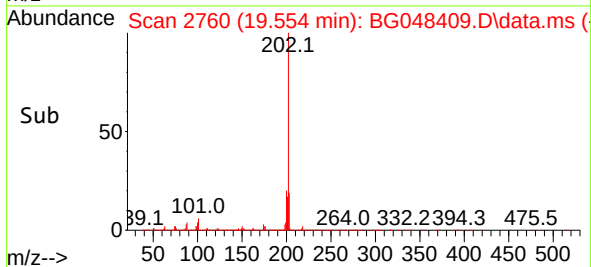
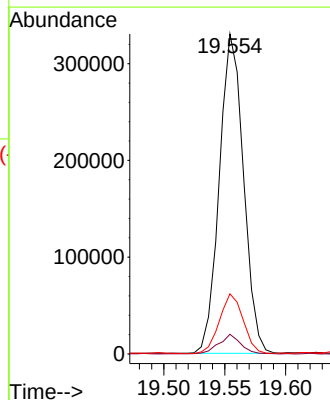
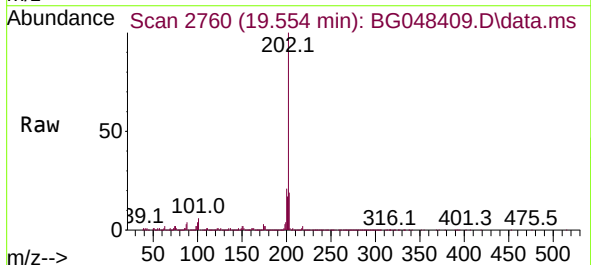
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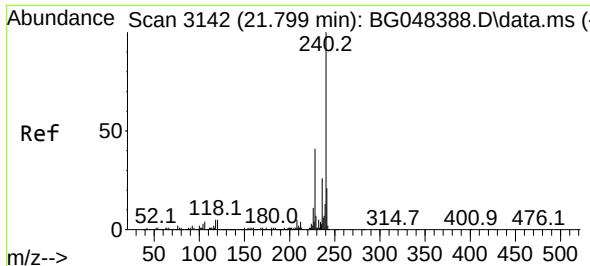
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#75
 Fluoranthene
 Concen: 16.75 ng
 RT: 19.554 min Scan# 2760
 Delta R.T. -0.000 min
 Lab File: BG048409.D
 Acq: 17 Mar 2021 22:30

Tgt Ion:202 Resp: 454811
 Ion Ratio Lower Upper
 202 100
 101 6.2 0.0 29.7
 203 18.8 0.0 39.2





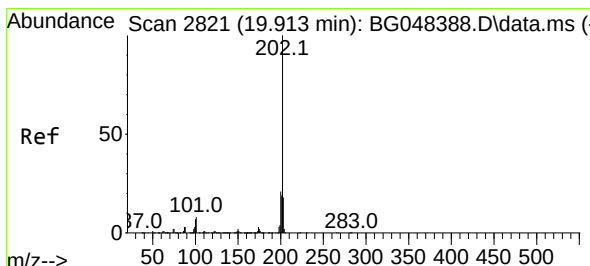
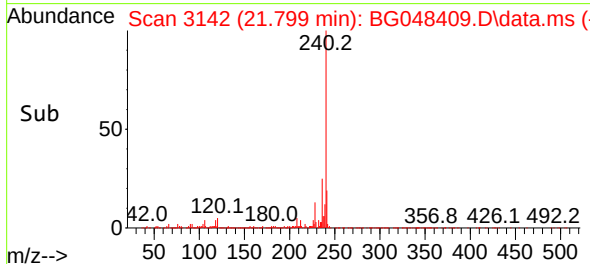
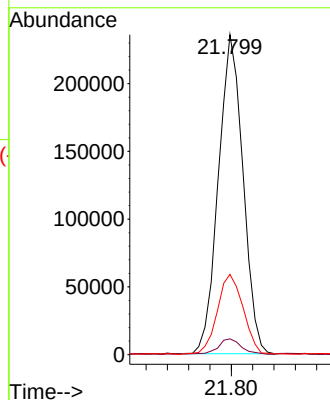
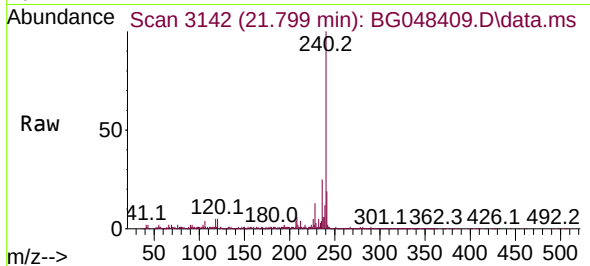
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.799 min Scan# 3142
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:240 Resp: 376390
Ion Ratio Lower Upper
240 100
120 4.9 6.2 9.4#
236 25.1 20.5 30.7

Instrument :
BNA_G
ClientSampleId :
FK-GF-02-068-A

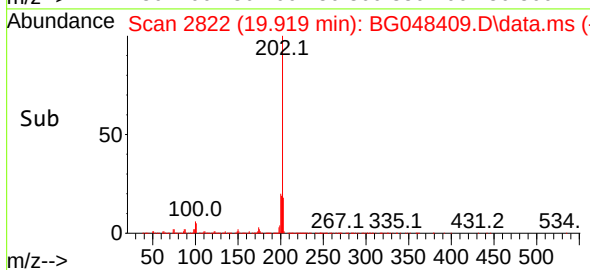
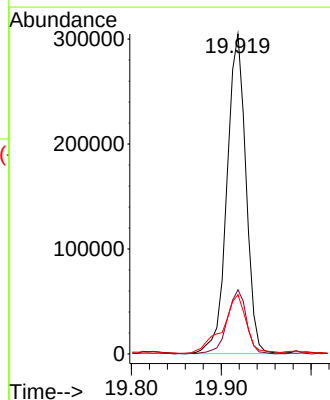
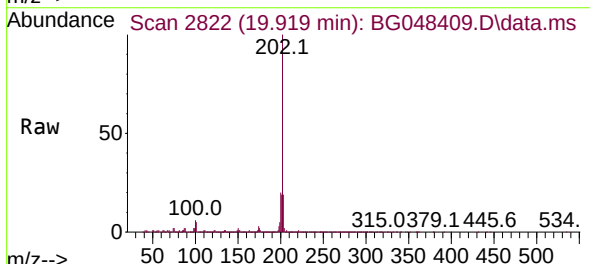
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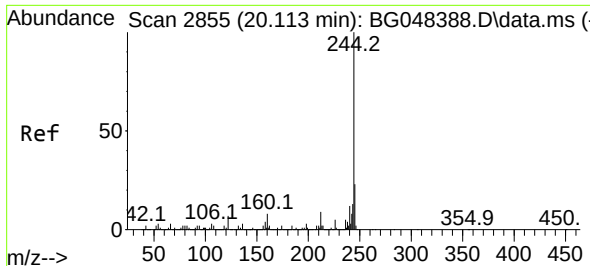
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#78
Pyrene
Concen: 17.81 ng
RT: 19.919 min Scan# 2822
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:202 Resp: 446409
Ion Ratio Lower Upper
202 100
200 20.0 18.6 27.8
203 18.6 15.3 22.9





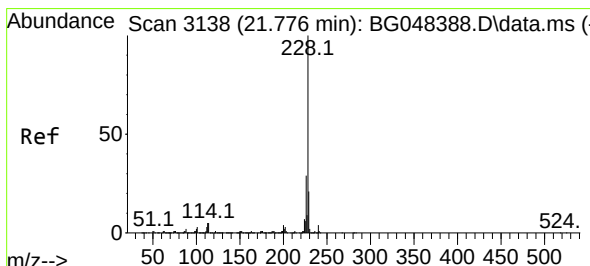
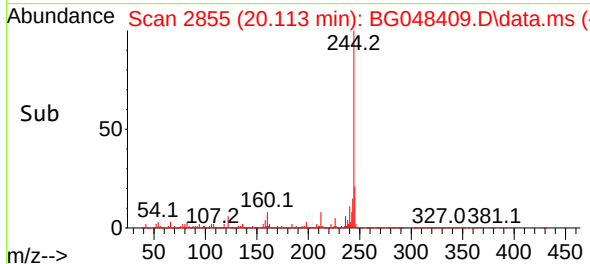
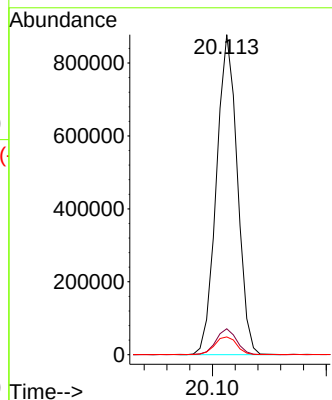
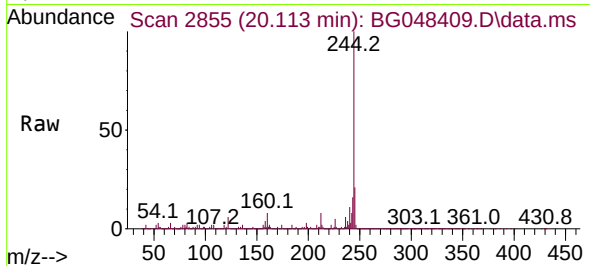
#79
 Terphenyl-d14
 Concen: 57.45 ng
 RT: 20.113 min Scan# 2855
 Delta R.T. -0.000 min
 Lab File: BG048409.D
 Acq: 17 Mar 2021 22:30

Tgt Ion:244 Resp: 1118910
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.7 10.1
 122 5.5 7.8 11.6#

Instrument :
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 ClientSampleId :
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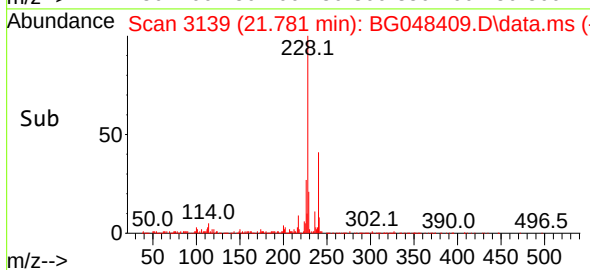
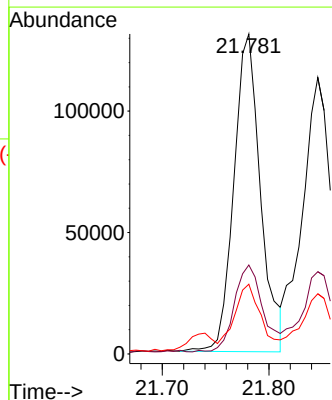
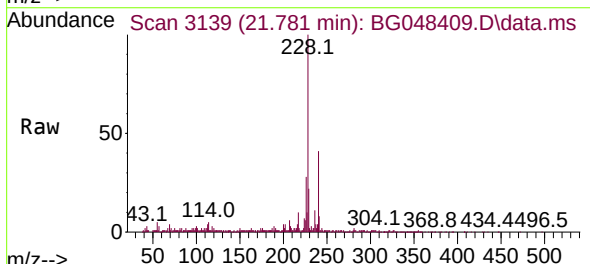
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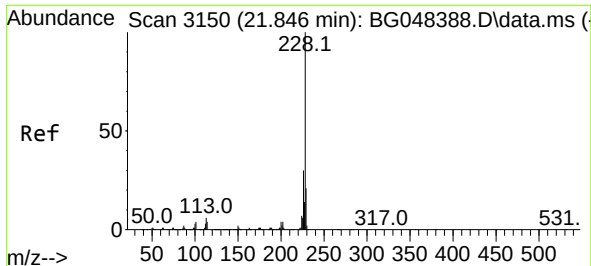
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#81
 Benzo(a)anthracene
 Concen: 8.72 ng
 RT: 21.781 min Scan# 3139
 Delta R.T. 0.005 min
 Lab File: BG048409.D
 Acq: 17 Mar 2021 22:30

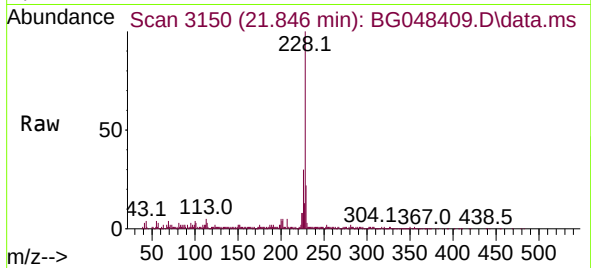
Tgt Ion:228 Resp: 227556
 Ion Ratio Lower Upper
 228 100
 226 27.8 23.3 34.9
 229 21.8 17.4 26.0





#83
Chrysene
Concen: 8.48 ng
RT: 21.846 min Scan# 3150
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

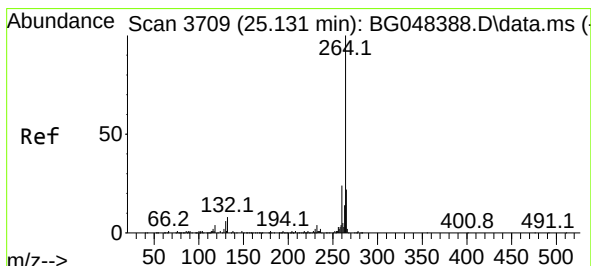
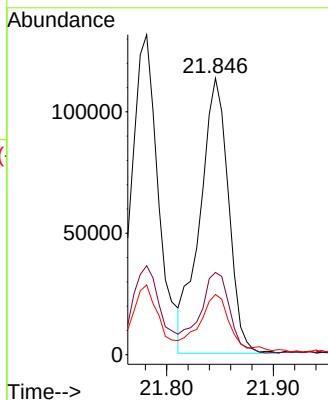
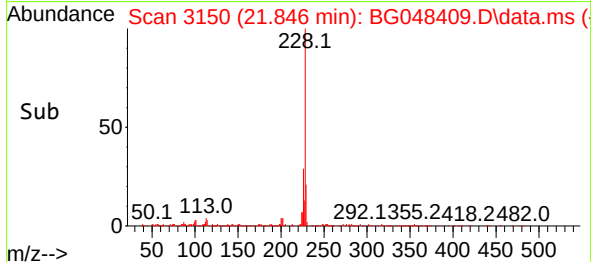
Instrument :
BNA_G
ClientSampleId :
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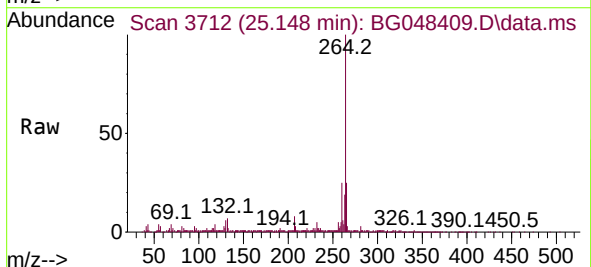
Tgt Ion:228 Resp: 211019
Ion Ratio Lower Upper
228 100
226 29.7 25.0 37.4
229 21.8 17.3 25.9

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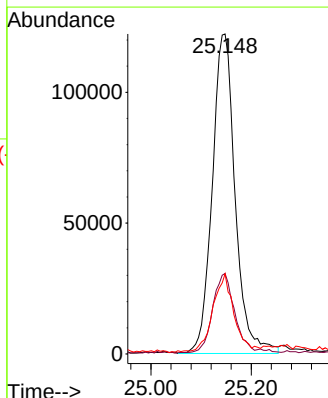
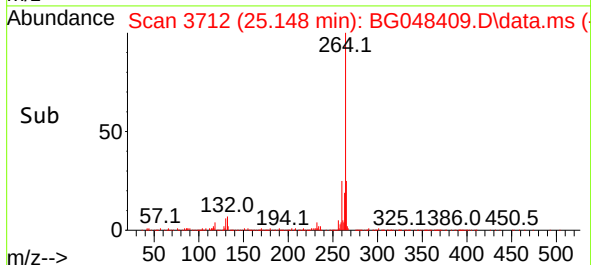
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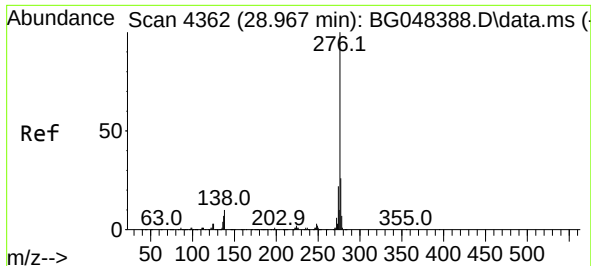


#86
Perylene-d12
Concen: 20.00 ng
RT: 25.148 min Scan# 3712
Delta R.T. 0.017 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30



Tgt Ion:264 Resp: 387496
Ion Ratio Lower Upper
264 100
260 25.2 18.8 28.2
265 25.0 17.8 26.8





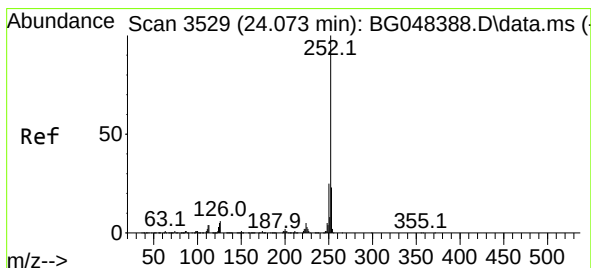
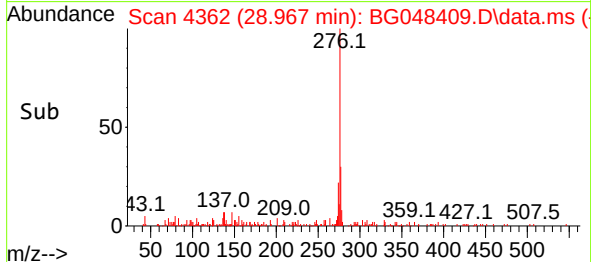
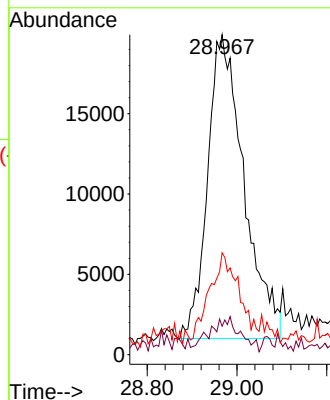
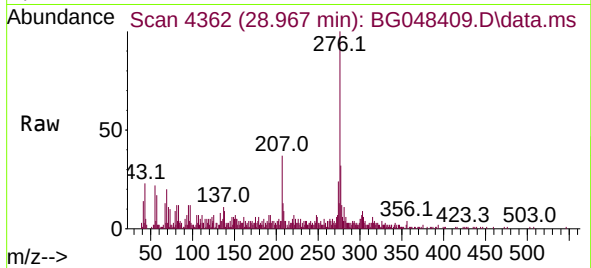
#87
Indeno(1,2,3-cd)pyrene
Concen: 3.57 ng
RT: 28.967 min Scan# 4362
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion: 276 Resp: 106269
Ion Ratio Lower Upper
276 100
138 7.7 16.2 24.2#
277 24.8 20.3 30.5

Instrument :
BNA_G
ClientSampleId :
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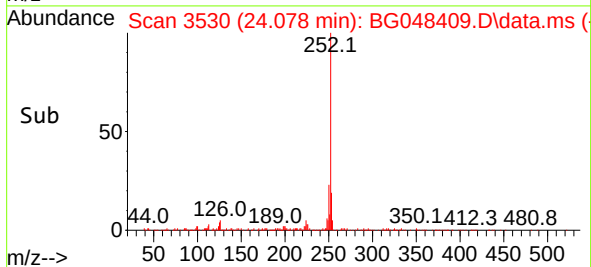
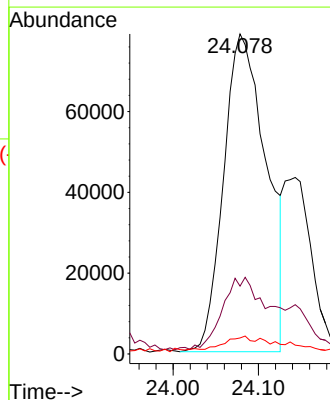
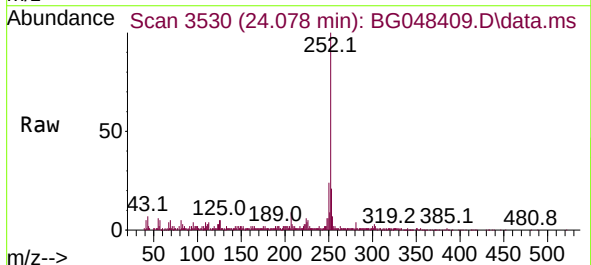
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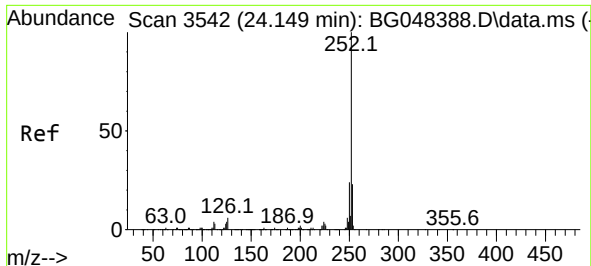
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#88
Benzo(b)fluoranthene
Concen: 10.11 ng
RT: 24.078 min Scan# 3530
Delta R.T. 0.005 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion: 252 Resp: 273190
Ion Ratio Lower Upper
252 100
253 21.2 18.7 28.1
125 5.0 6.5 9.7#





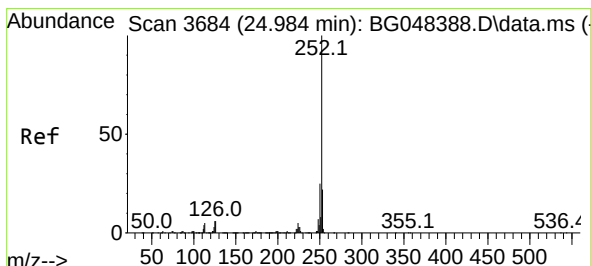
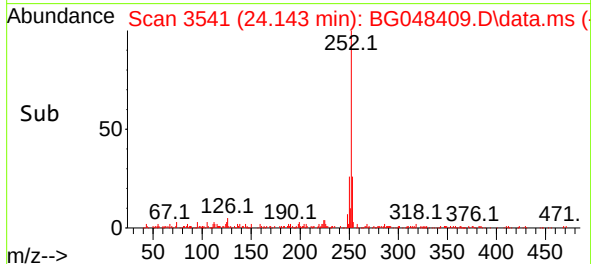
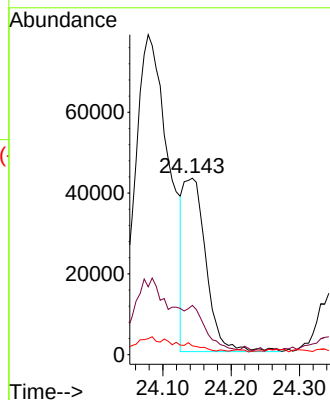
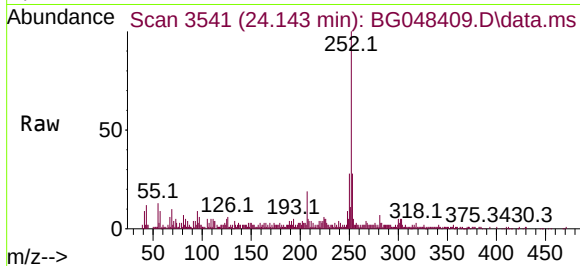
#89
Benzo(k)fluoranthene
Concen: 3.83 ng m
RT: 24.143 min Scan# 3541
Delta R.T. -0.006 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:252 Resp: 99291
Ion Ratio Lower Upper
252 100
253 27.9 18.6 27.8#
125 5.0 6.8 10.2#

Instrument :
BNA_G
ClientSampleId :
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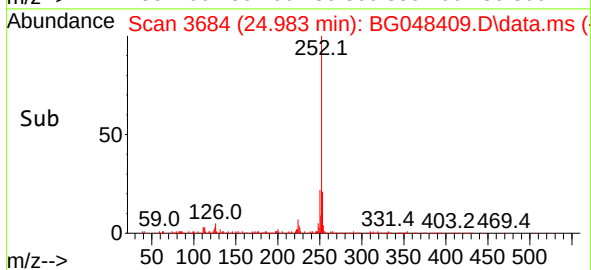
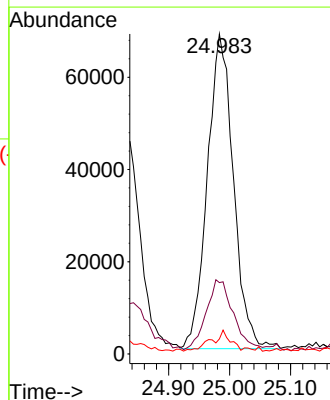
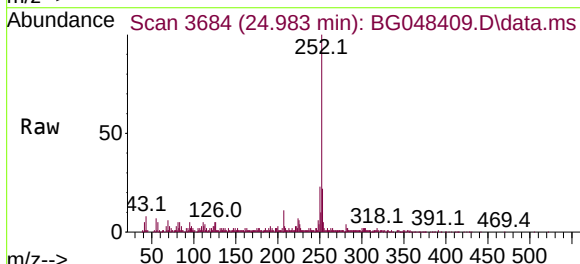
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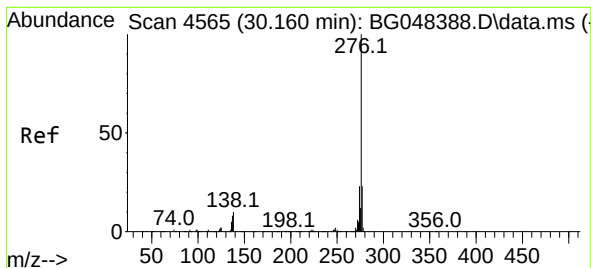
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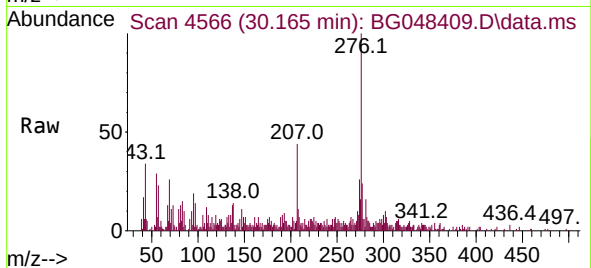
#90
Benzo(a)pyrene
Concen: 8.16 ng m
RT: 24.983 min Scan# 3684
Delta R.T. -0.000 min
Lab File: BG048409.D
Acq: 17 Mar 2021 22:30

Tgt Ion:252 Resp: 203174
Ion Ratio Lower Upper
252 100
253 22.3 17.9 26.9
125 4.7 7.0 10.4#

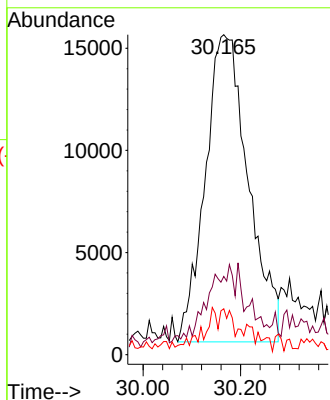
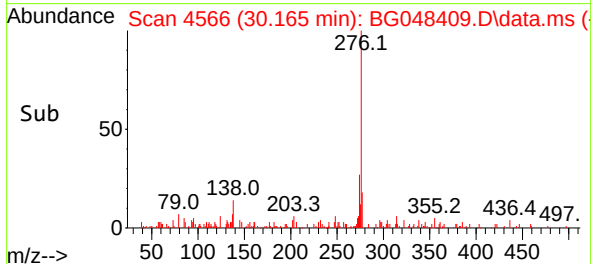




#92
 Benzo(g,h,i)perylene
 Concen: 3.76 ng
 RT: 30.165 min Scan# 4566
 Delta R.T. 0.005 min
 Lab File: BG048409.D
 Acq: 17 Mar 2021 22:30



Tgt Ion:	276	Resp:	92518
Ion Ratio	Lower	Upper	
276	100		
277	24.4	19.6	29.4
138	14.3	13.4	20.2



Instrument :
 BNA_G
 ClientSampleId :
 FK-GF-02-068-A

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