

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070721\
 Data File : BG049202.D
 Acq On : 7 Jul 2021 16:43
 Operator : CG/JU
 Sample : M2931-01 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-01-070221

Manual Integrations
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Quant Time: Jul 07 17:22:03 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 06 10:59:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.090	152	47197	20.000	ng	0.00
21) Naphthalene-d8	10.910	136	183354	20.000	ng	# 0.00
39) Acenaphthene-d10	14.729	164	116863	20.000	ng	0.00
64) Phenanthrene-d10	17.479	188	233201	20.000	ng	# 0.00
76) Chrysene-d12	21.768	240	222879	20.000	ng	0.00
86) Perylene-d12	25.082	264	236251	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.646	112	127876	42.437	ng	0.01
7) Phenol-d6	7.244	99	165738	38.578	ng	0.00
23) Nitrobenzene-d5	9.253	82	118241	27.341	ng	0.00
42) 2,4,6-Tribromophenol	16.216	330	79351	39.169	ng	0.00
45) 2-Fluorobiphenyl	13.349	172	238292	27.510	ng	0.00
79) Terphenyl-d14	20.088	244	302160	22.973	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.957	128	34911	3.270	ng	96
37) 2-Methylnaphthalene	12.561	142	18488	2.300	ng	95
50) Dimethylphthalate	14.177	163	29501	3.145	ng	# 95
52) Acenaphthene	14.788	154	14997	2.125	ng	95
55) Dibenzofuran	15.129	168	24131	2.100	ng	93
58) Fluorene	15.775	166	44375	4.669	ng	91
71) Phenanthrene	17.520	178	352102	26.220	ng	98
72) Anthracene	17.614	178	92277	6.893	ng	97
73) Carbazole	17.884	167	25527	2.000	ng	99
75) Fluoranthene	19.535	202	674246	40.106	ng	99
78) Pyrene	19.894	202	589622	35.618	ng	97
81) Benzo(a)anthracene	21.751	228	329312	19.809	ng	97
83) Chrysene	21.815	228	293901m	18.610	ng	
87) Indeno(1,2,3-cd)pyrene	28.860	276	175998	9.336	ng	# 96
88) Benzo(b)fluoranthene	24.030	252	407108	23.879	ng	# 92
89) Benzo(k)fluoranthene	24.089	252	121888m	7.494	ng	
90) Benzo(a)pyrene	24.917	252	296847	18.875	ng	96
91) Dibenzo(a,h)anthracene	28.913	278	42825	2.691	ng	# 80
92) Benzo(g,h,i)perylene	30.053	276	153702	9.800	ng	95

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

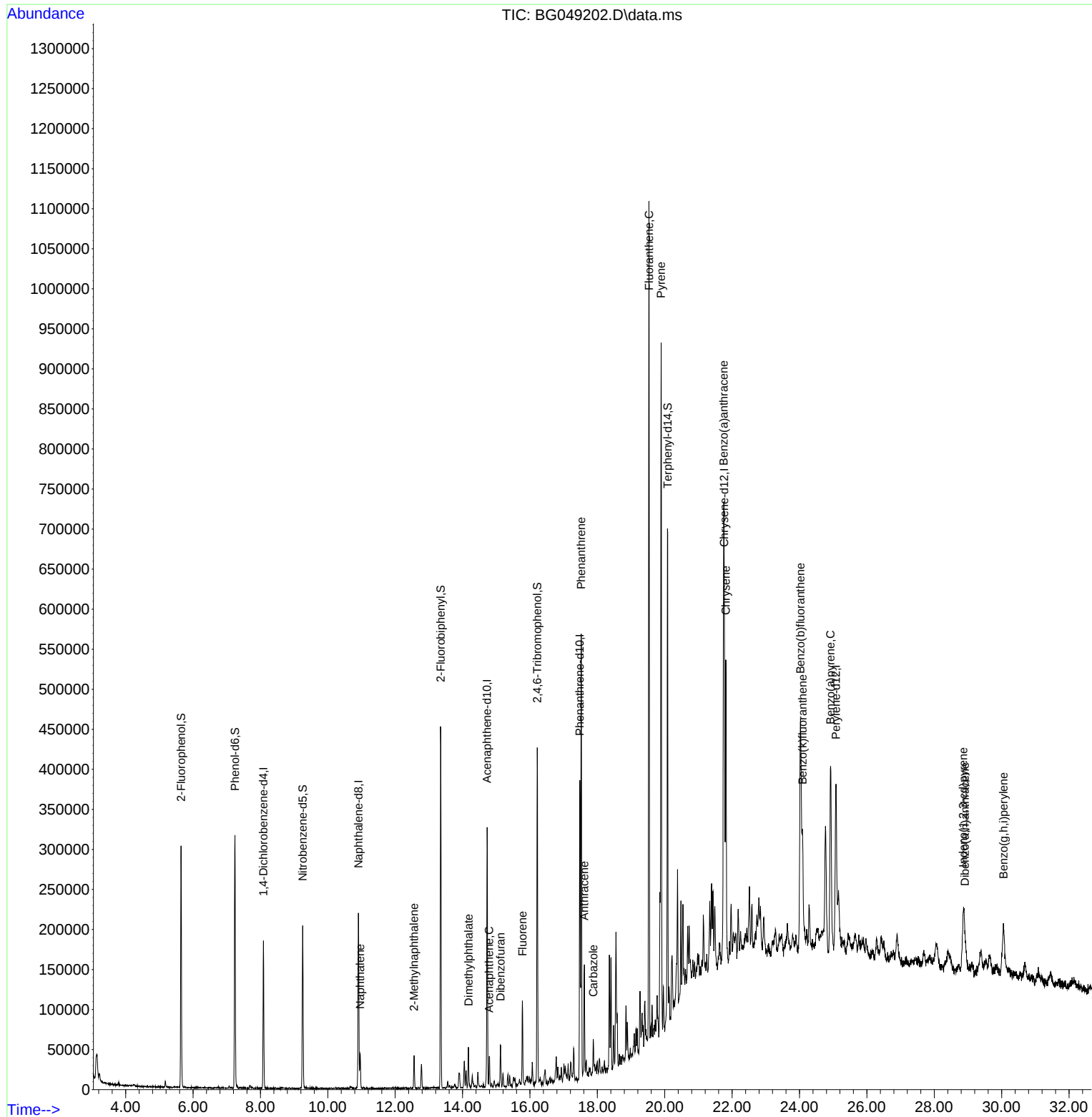
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070721\
Data File : BG049202.D
Acq On : 7 Jul 2021 16:43
Operator : CG/JU
Sample : M2931-01 2X
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ALS Vial : 9 Sample Multiplier: 1

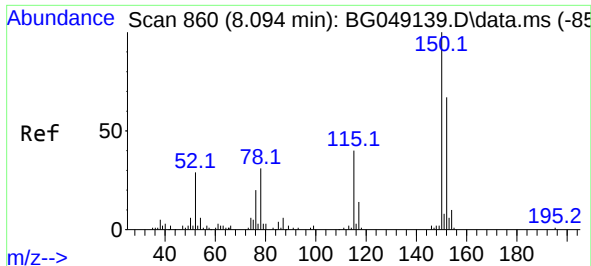
Instrument :
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ClientSampleId :
HD-01-070221

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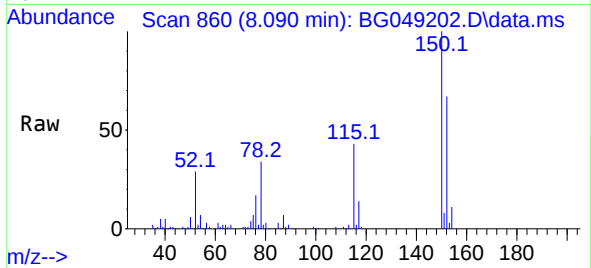
Quant Time: Jul 07 17:22:03 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 06 10:59:02 2021
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.090 min Scan# 860
Delta R.T. -0.001 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

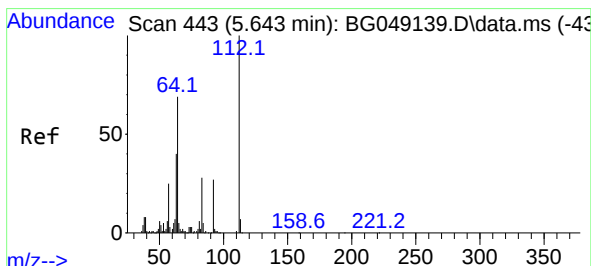
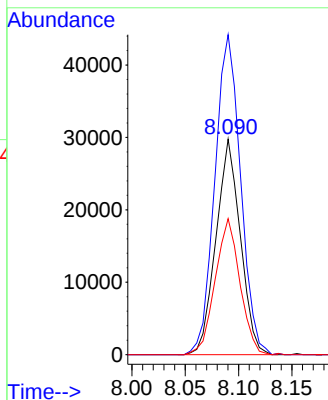
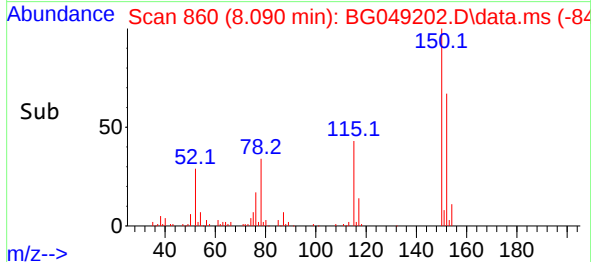
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BNA_G
ClientSampleId :
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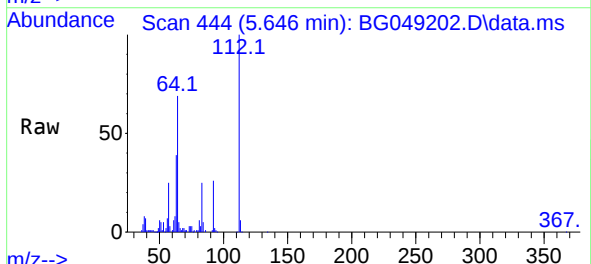
Tgt Ion:152 Resp: 47197
Ion Ratio Lower Upper
152 100
150 148.5 119.4 179.0
115 63.1 60.2 90.4

Manual Integrations
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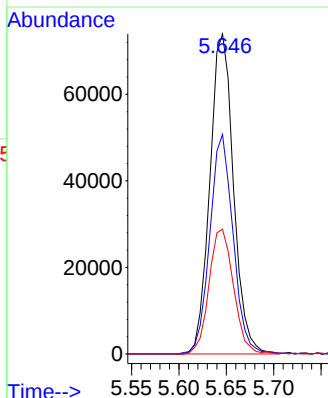
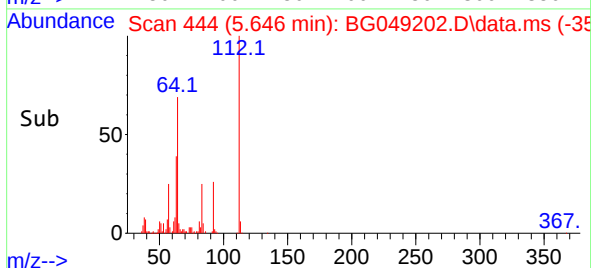
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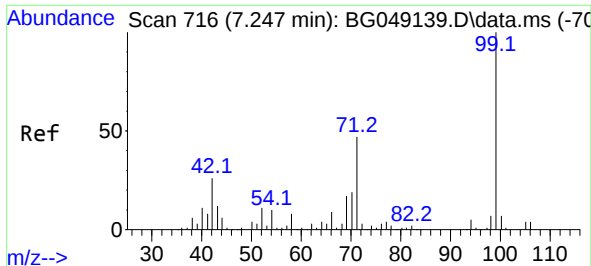


#5
2-Fluorophenol
Concen: 42.437 ng
RT: 5.646 min Scan# 444
Delta R.T. 0.011 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



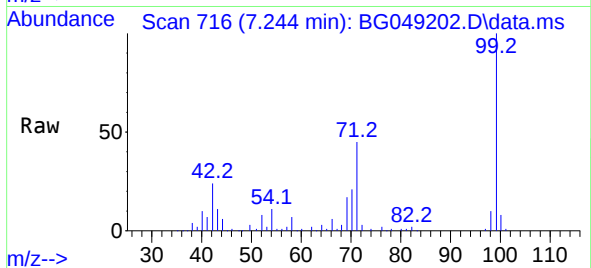
Tgt Ion:112 Resp: 127876
Ion Ratio Lower Upper
112 100
64 68.6 46.7 70.1
63 39.0 35.3 52.9





#7
Phenol-d6
Concen: 38.578 ng
RT: 7.244 min Scan# 716
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

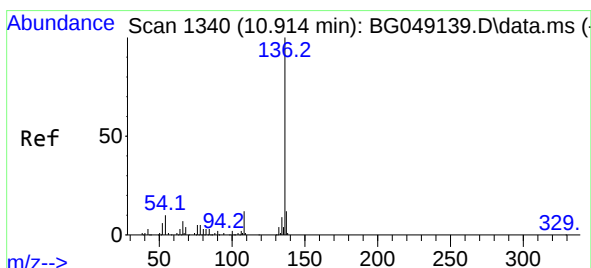
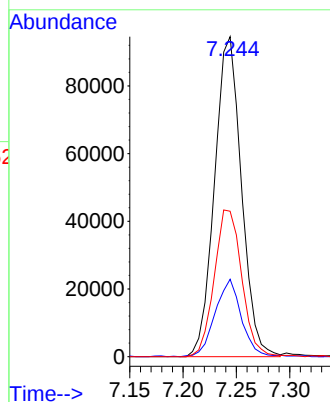
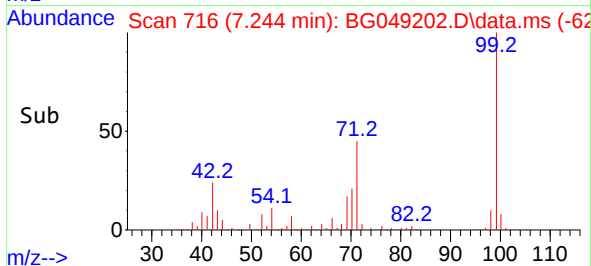
Instrument :
BNA_G
ClientSampled :
HD-01-070221



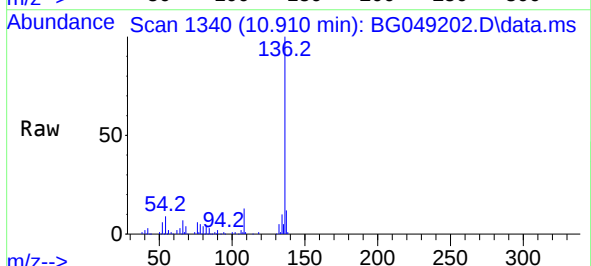
Tgt Ion: 99 Resp: 165738
Ion Ratio Lower Upper
99 100
42 24.2 20.5 30.7
71 45.5 41.5 62.3

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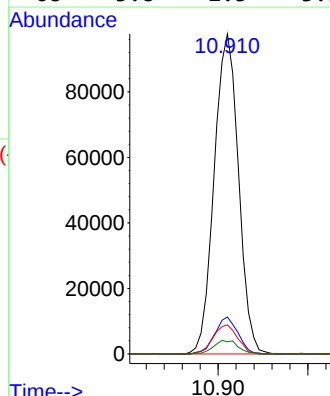
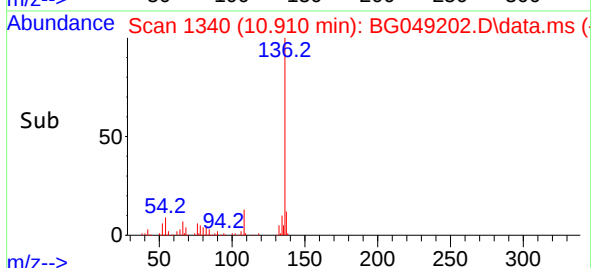
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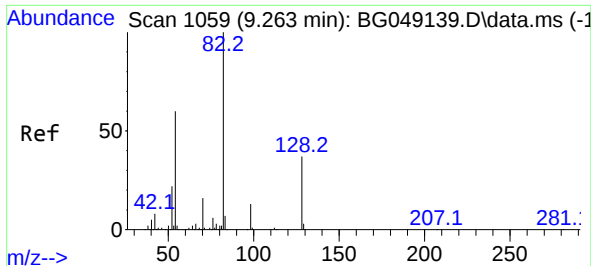


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.910 min Scan# 1340
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



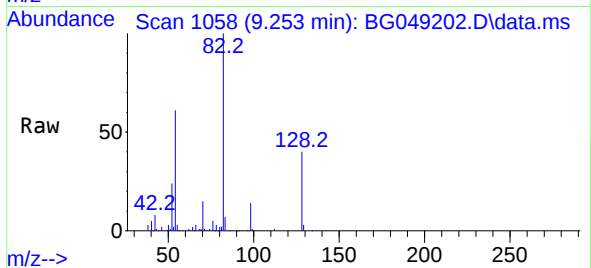
Tgt Ion: 136 Resp: 183354
Ion Ratio Lower Upper
136 100
137 11.6 8.2 12.2
54 9.1 5.5 8.3#
68 3.8 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 27.341 ng
RT: 9.253 min Scan# 1058
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

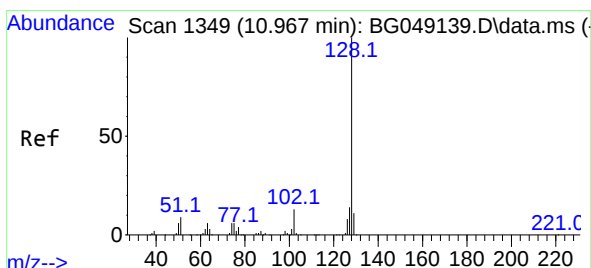
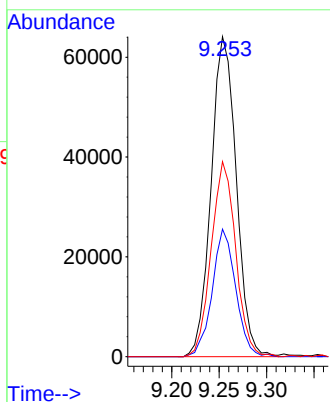
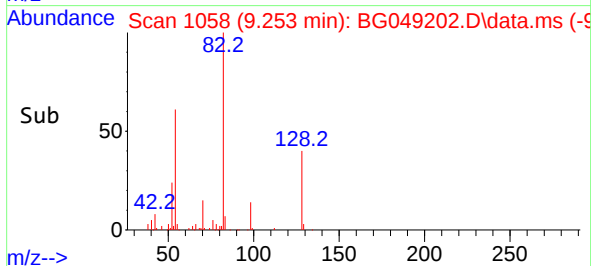
Instrument :
BNA_G
ClientSampleId :
HD-01-070221



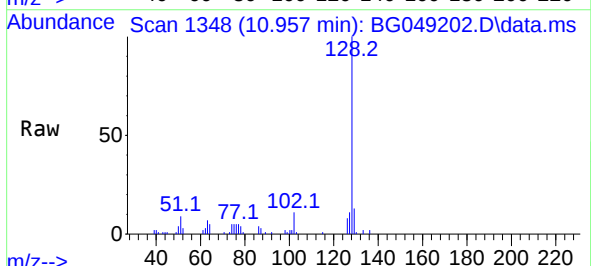
Tgt Ion: 82 Resp: 118241
Ion Ratio Lower Upper
82 100
128 39.9 29.8 44.6
54 61.0 45.8 68.8

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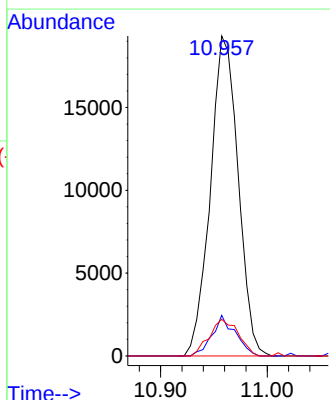
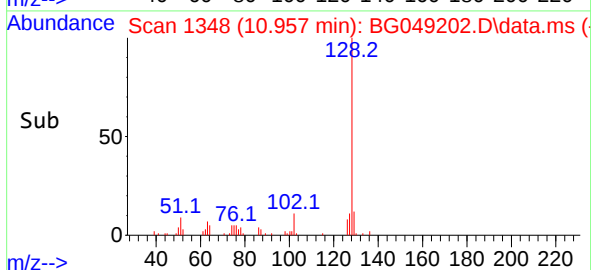
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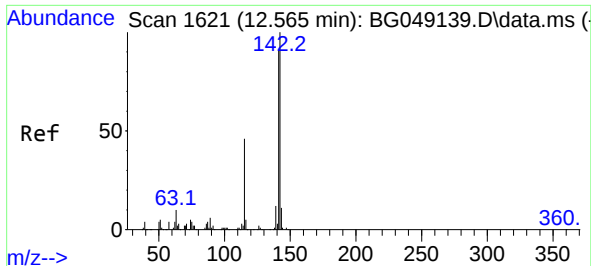


#31
Naphthalene
Concen: 3.270 ng
RT: 10.957 min Scan# 1348
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



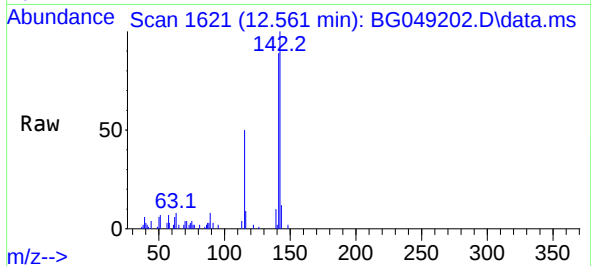
Tgt Ion: 128 Resp: 34911
Ion Ratio Lower Upper
128 100
129 12.7 8.5 12.7
127 11.4 10.2 15.4





#37
2-Methylnaphthalene
Concen: 2.300 ng
RT: 12.561 min Scan# 1621
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

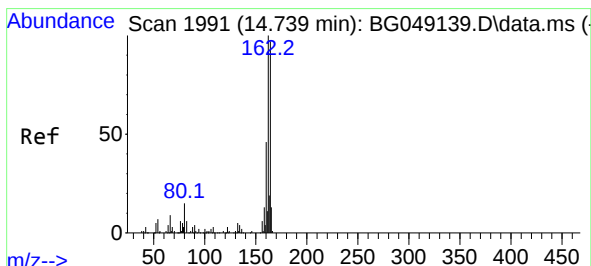
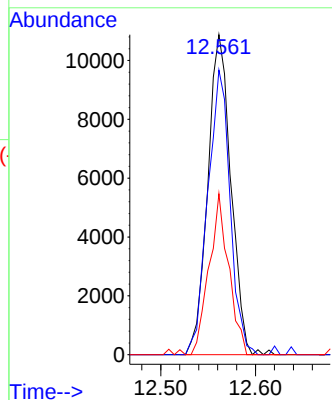
Instrument :
BNA_G
ClientSampleId :
HD-01-070221



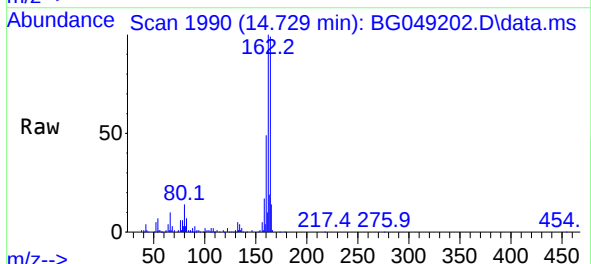
Tgt Ion:	142	Resp:	18488
Ion Ratio	Lower	Upper	
142	100		
141	89.0	68.8	103.2
115	50.3	36.4	54.6

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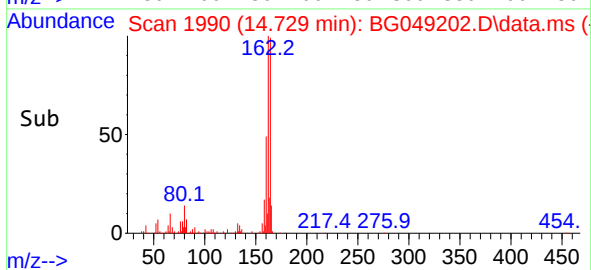
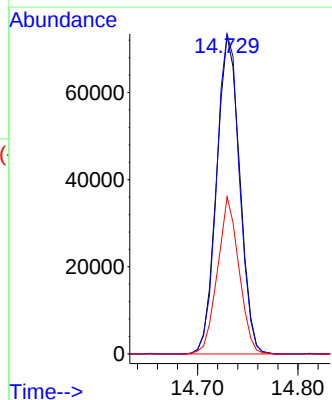
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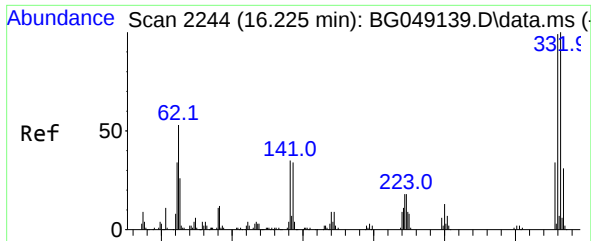


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.729 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



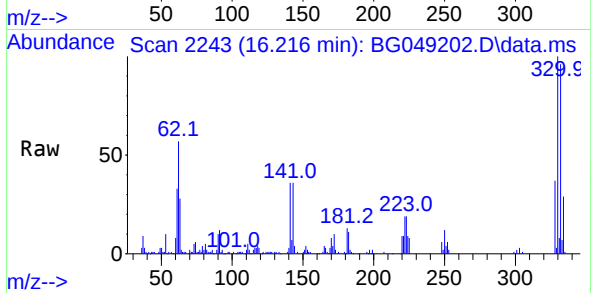
Tgt Ion:	164	Resp:	116863
Ion Ratio	Lower	Upper	
164	100		
162	100.6	81.4	122.0
160	49.4	34.9	52.3





#42
2,4,6-Tribromophenol
Concen: 39.169 ng
RT: 16.216 min Scan# 2243
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

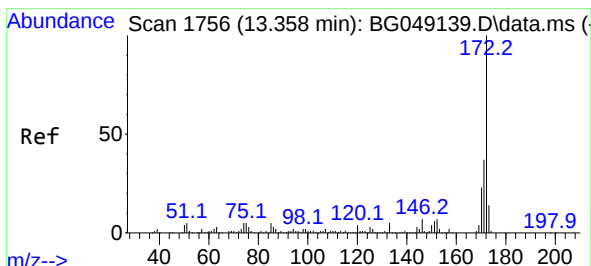
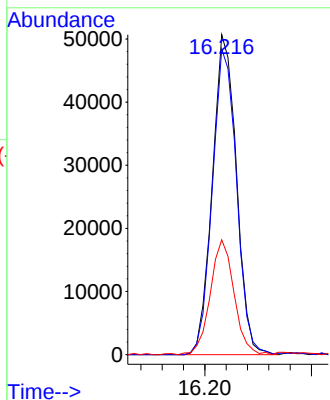
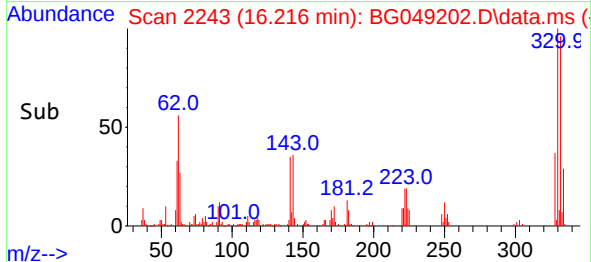
Instrument :
BNA_G
ClientSampled :
HD-01-070221



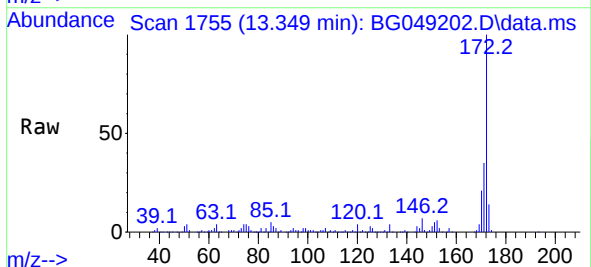
Tgt Ion:330 Resp: 79351
Ion Ratio Lower Upper
330 100
332 95.9 77.3 115.9
141 35.5 35.6 53.4#

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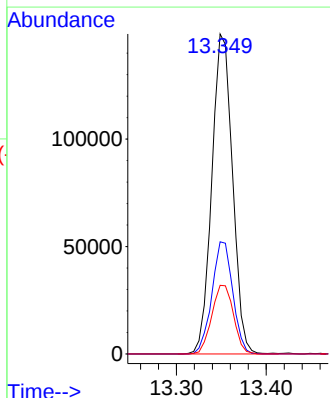
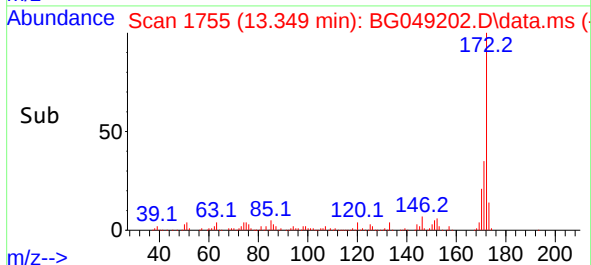
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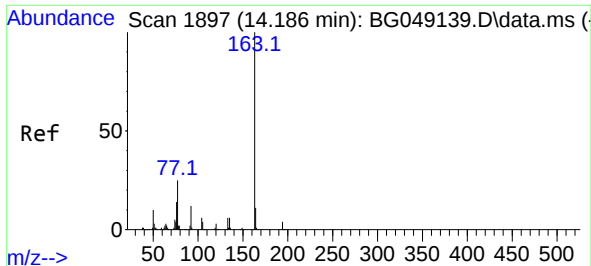


#45
2-Fluorobiphenyl
Concen: 27.510 ng
RT: 13.349 min Scan# 1755
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



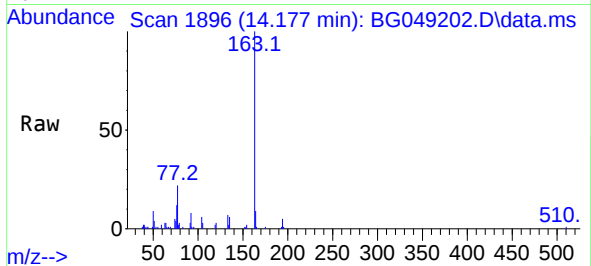
Tgt Ion:172 Resp: 238292
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 21.4 18.6 27.8





#50
Dimethylphthalate
Concen: 3.145 ng
RT: 14.177 min Scan# 1896
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

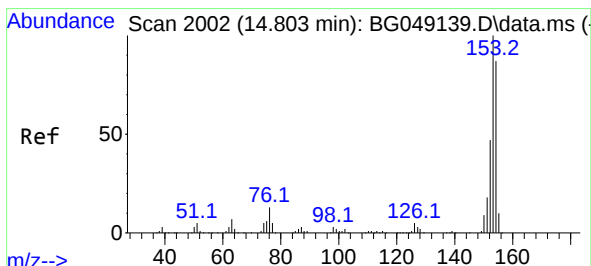
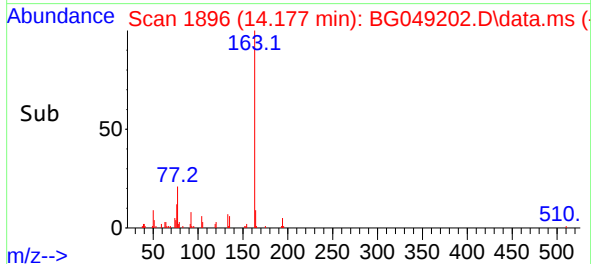
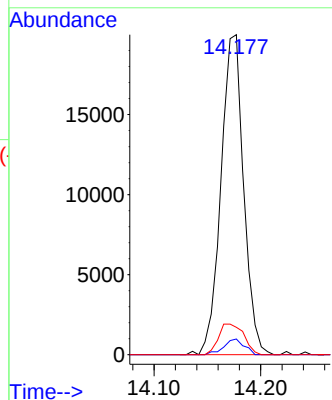
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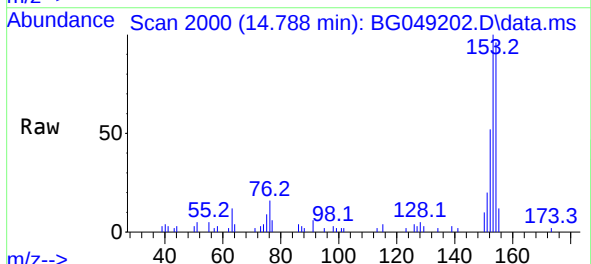
Tgt Ion:163 Resp: 29501
Ion Ratio Lower Upper
163 100
194 4.9 3.0 4.6#
164 8.6 8.6 12.8#

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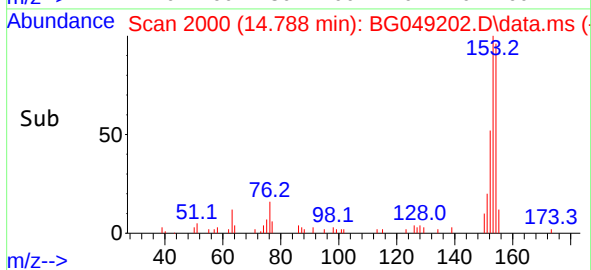
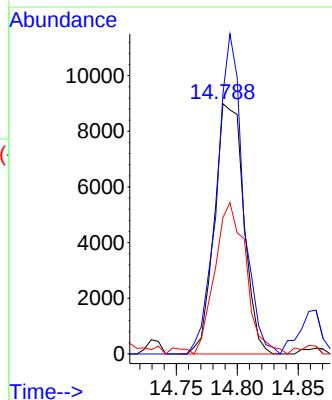
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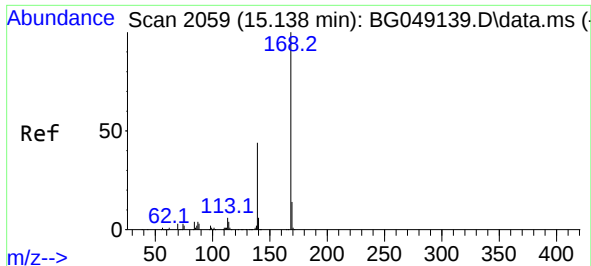


#52
Acenaphthene
Concen: 2.125 ng
RT: 14.788 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



Tgt Ion:154 Resp: 14997
Ion Ratio Lower Upper
154 100
153 103.9 87.0 130.4
152 54.5 40.1 60.1





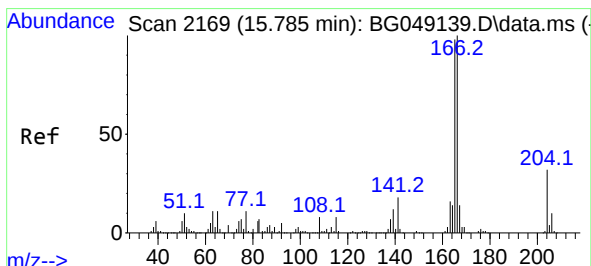
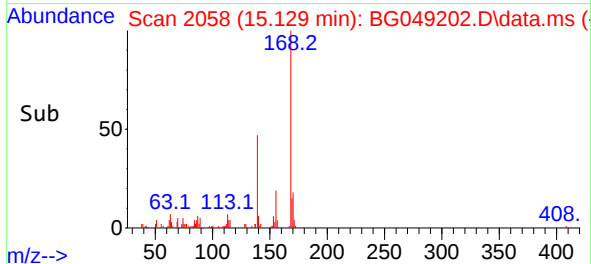
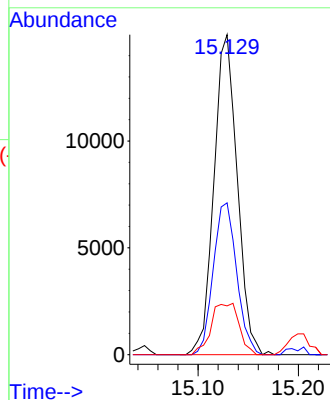
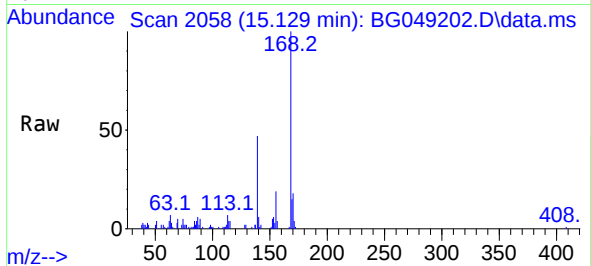
#55
Dibenzofuran
Concen: 2.100 ng
RT: 15.129 min Scan# 2058
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:168 Resp: 24131
Ion Ratio Lower Upper
168 100
139 47.5 33.4 50.2
169 15.2 12.3 18.5

Instrument :
BNA_G
ClientSampleId :
HD-01-070221

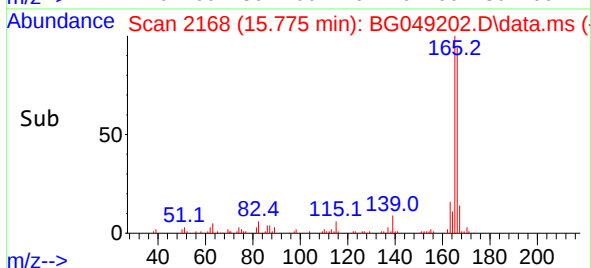
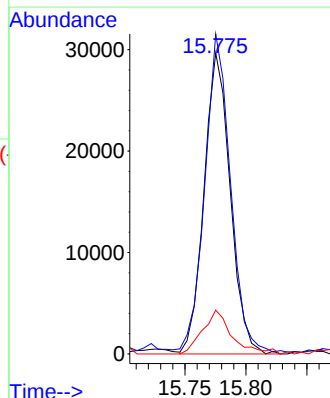
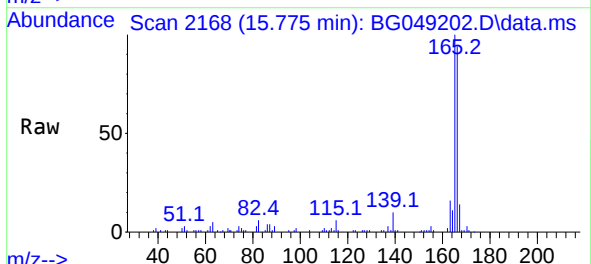
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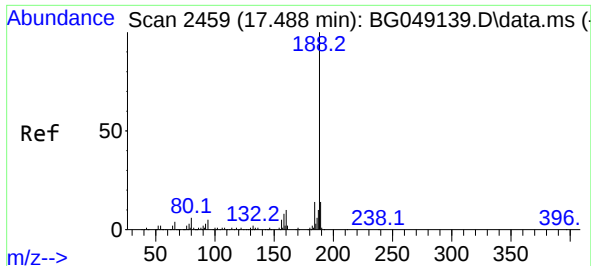
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#58
Fluorene
Concen: 4.669 ng
RT: 15.775 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

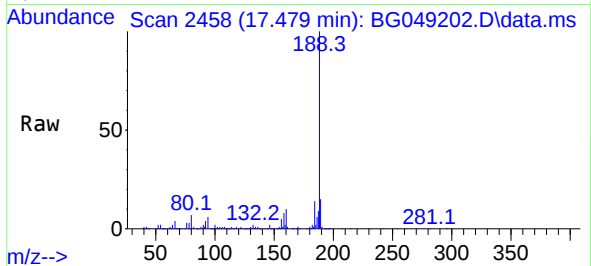
Tgt Ion:166 Resp: 44375
Ion Ratio Lower Upper
166 100
165 106.3 77.7 116.5
167 14.6 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.479 min Scan# 2458
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

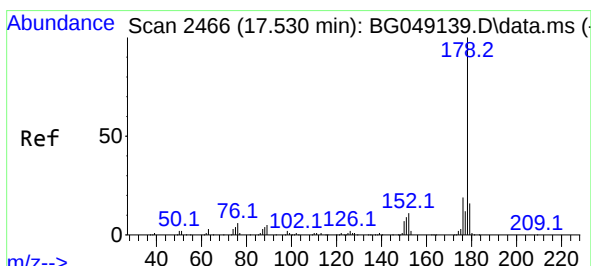
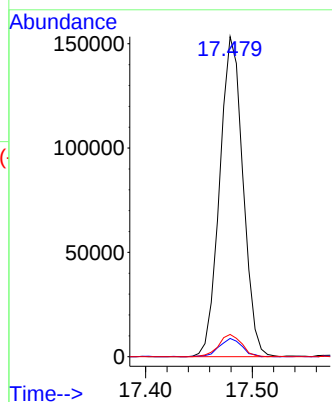
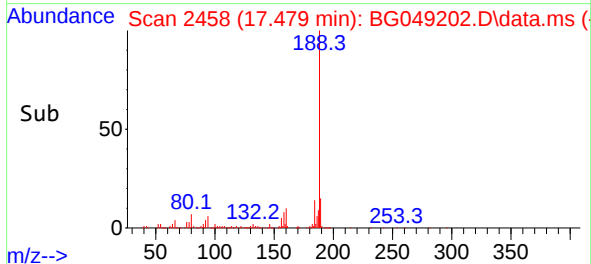
Instrument :
BNA_G
ClientSampleId :
HD-01-070221



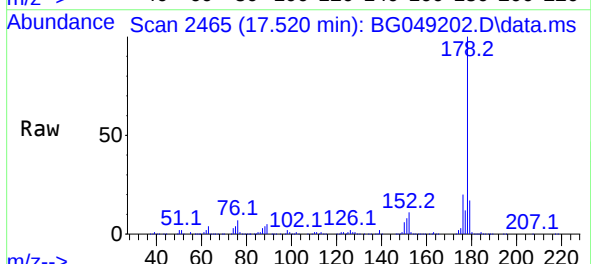
Tgt Ion:188 Resp: 233201
Ion Ratio Lower Upper
188 100
94 5.7 5.4 8.0
80 7.0 3.7 5.5#

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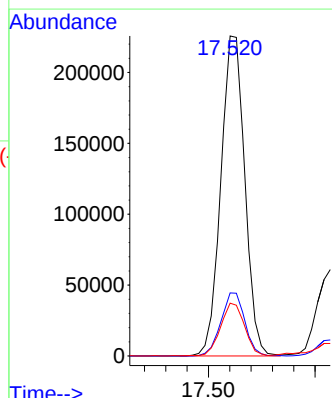
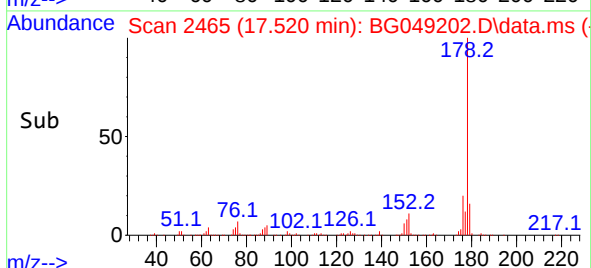
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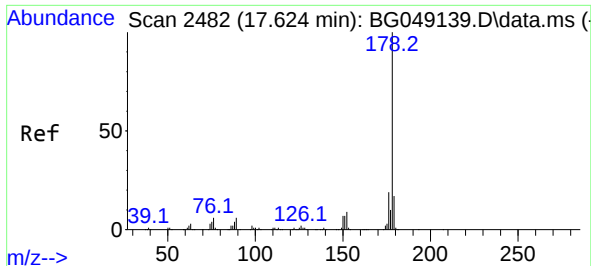


#71
Phenanthrene
Concen: 26.220 ng
RT: 17.520 min Scan# 2465
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



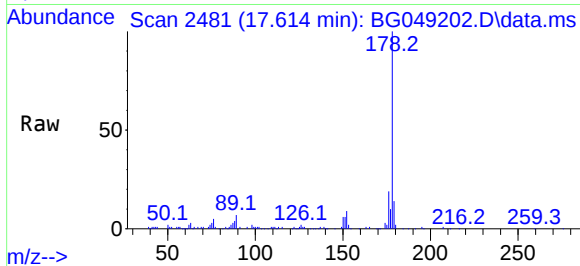
Tgt Ion:178 Resp: 352102
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.5 14.2 21.4





#72
 Anthracene
 Concen: 6.893 ng
 RT: 17.614 min Scan# 2481
 Delta R.T. 0.005 min
 Lab File: BG049202.D
 Acq: 7 Jul 2021 16:43

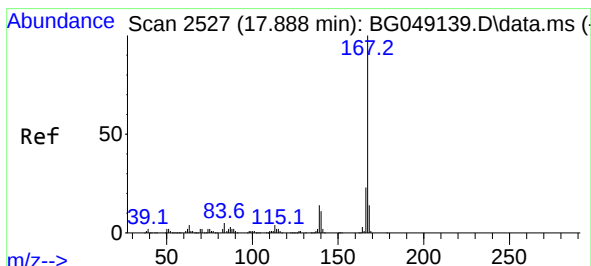
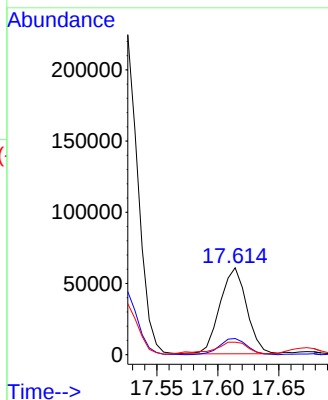
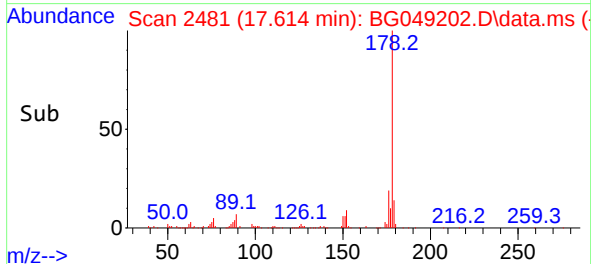
Instrument :
 BNA_G
 ClientSampleID :
 HD-01-070221



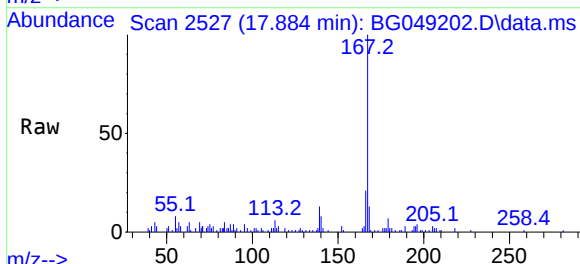
Tgt Ion:178 Resp: 92277
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.6 21.8
 179 14.4 13.4 20.0

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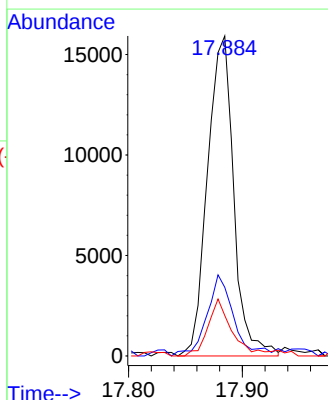
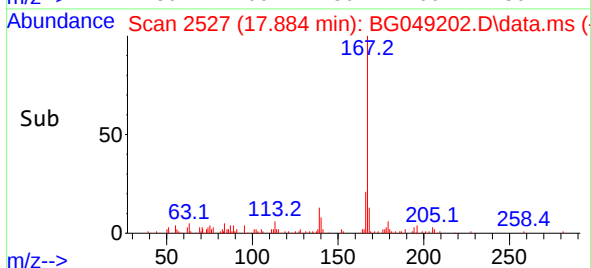
mohammad
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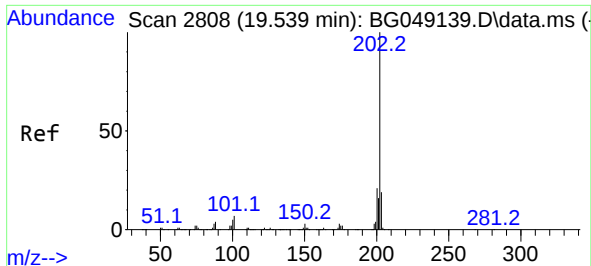


#73
 Carbazole
 Concen: 2.000 ng
 RT: 17.884 min Scan# 2527
 Delta R.T. 0.005 min
 Lab File: BG049202.D
 Acq: 7 Jul 2021 16:43



Tgt Ion:167 Resp: 25527
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.4 26.2
 139 12.7 10.7 16.1





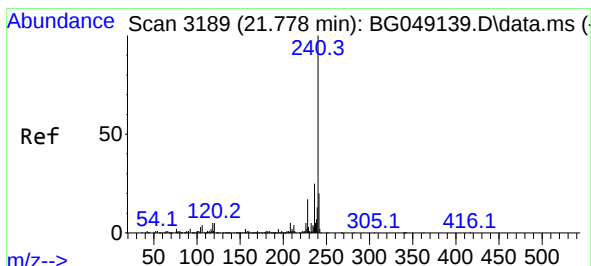
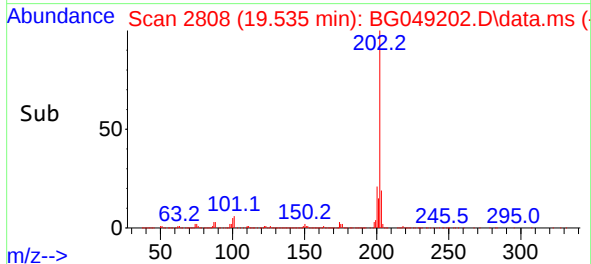
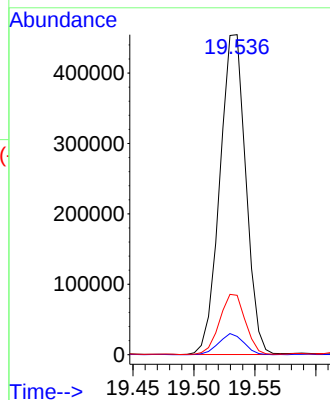
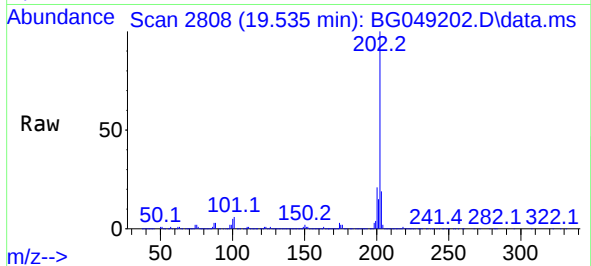
#75
Fluoranthene
Concen: 40.106 ng
RT: 19.535 min Scan# 2808
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:202 Resp: 674246
Ion Ratio Lower Upper
202 100
101 5.7 0.0 24.7
203 18.5 0.0 38.5

Instrument :
BNA_G
ClientSampleId :
HD-01-070221

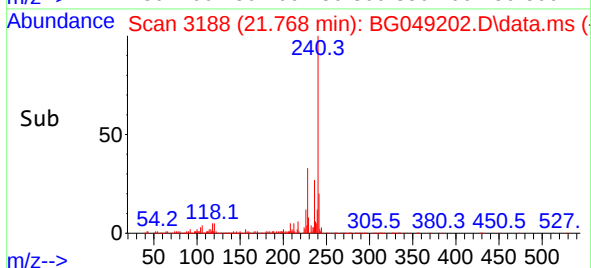
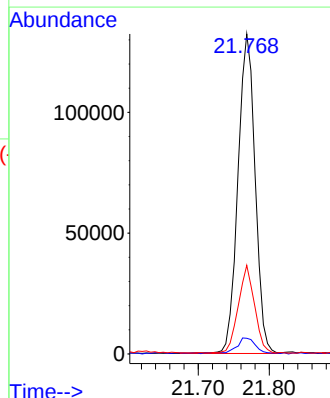
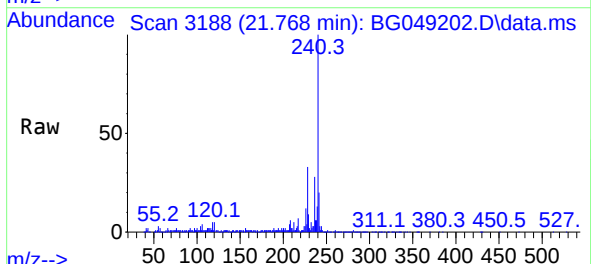
Manual Integrations
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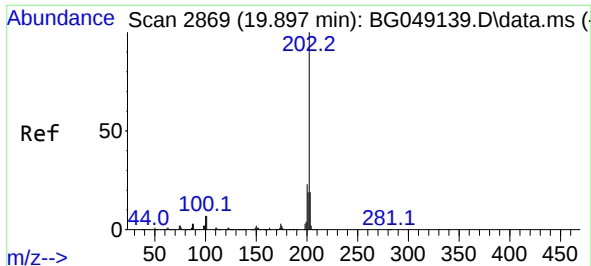
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.768 min Scan# 3188
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:240 Resp: 222879
Ion Ratio Lower Upper
240 100
120 4.9 4.2 6.2
236 27.7 21.8 32.6





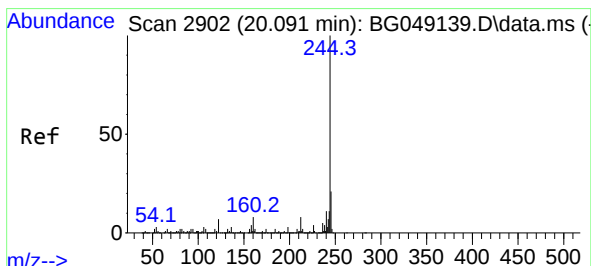
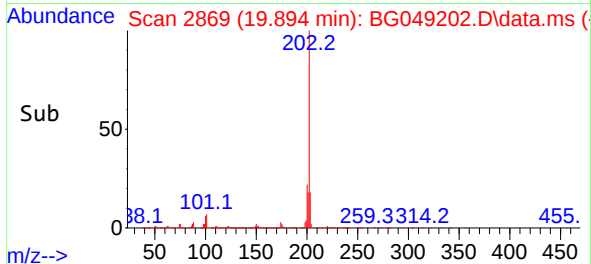
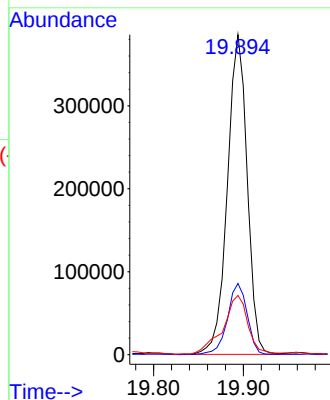
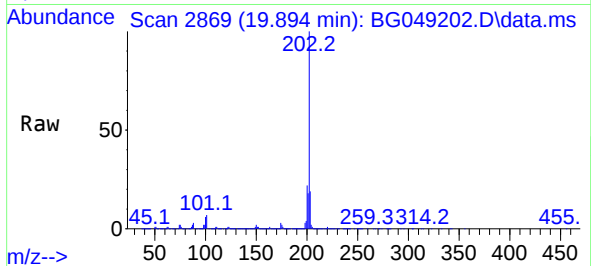
#78
Pyrene
Concen: 35.618 ng
RT: 19.894 min Scan# 2869
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:202 Resp: 589622
Ion Ratio Lower Upper
202 100
200 22.2 15.8 23.8
203 18.5 14.6 21.8

Instrument :
BNA_G
ClientSampleId :
HD-01-070221

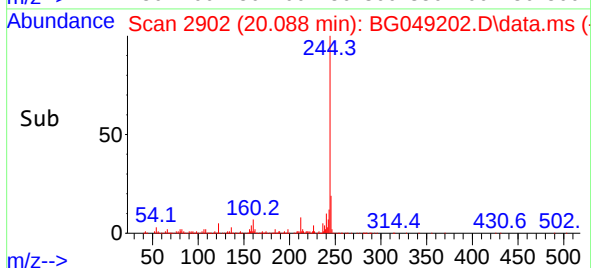
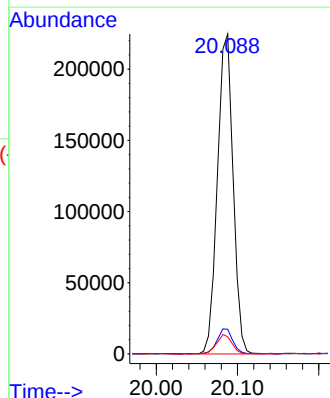
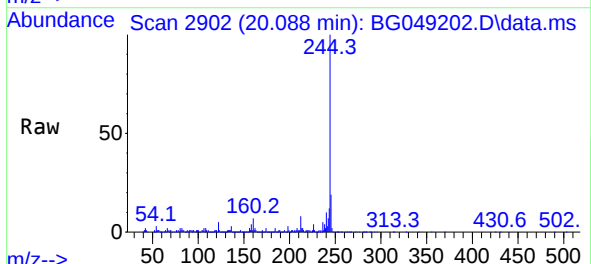
Manual Integrations
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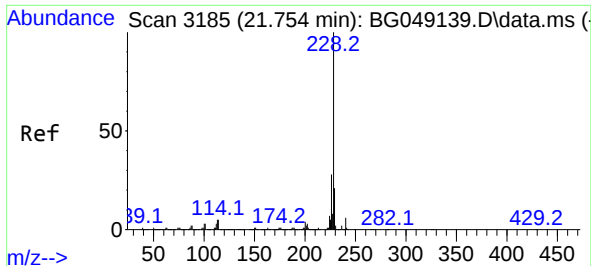
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#79
Terphenyl-d14
Concen: 22.973 ng
RT: 20.088 min Scan# 2902
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:244 Resp: 302160
Ion Ratio Lower Upper
244 100
212 7.7 6.9 10.3
122 5.3 5.0 7.6





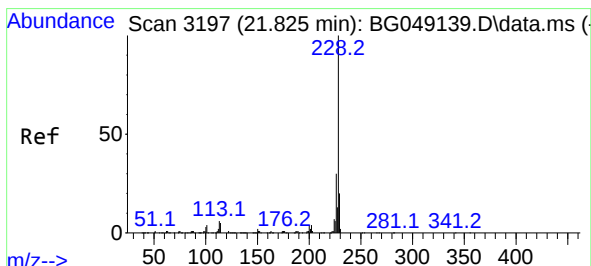
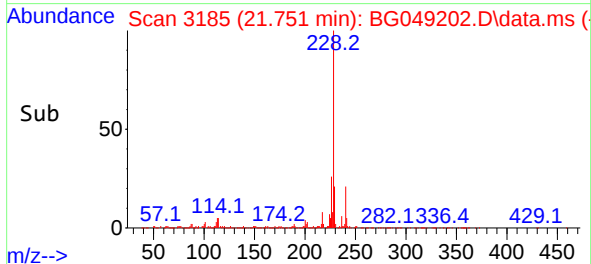
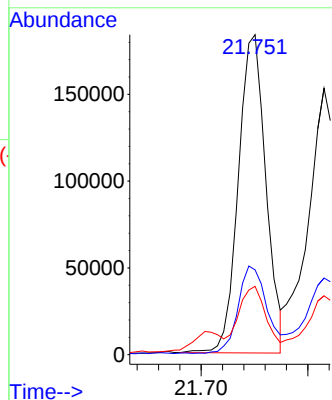
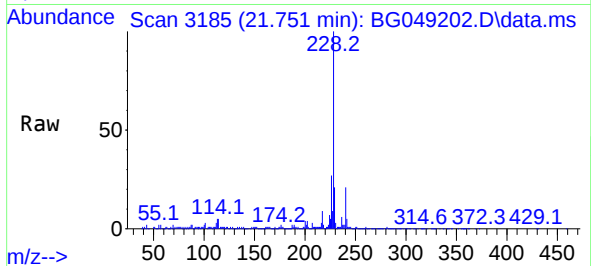
#81
Benzo(a)anthracene
Concen: 19.809 ng
RT: 21.751 min Scan# 3185
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:228 Resp: 329312
Ion Ratio Lower Upper
228 100
226 26.5 22.7 34.1
229 21.3 16.0 24.0

Instrument :
BNA_G
ClientSampleId :
HD-01-070221

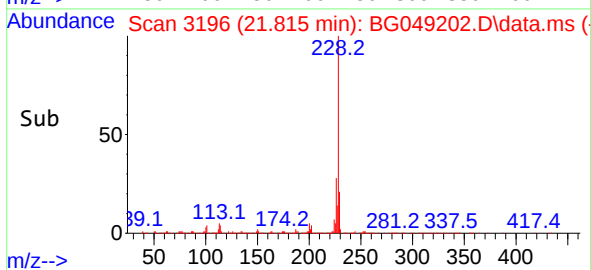
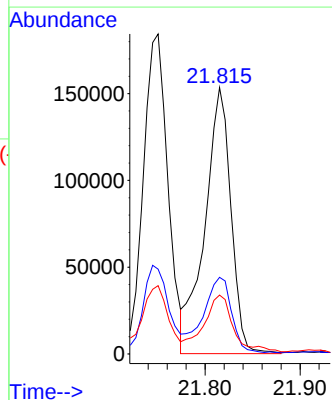
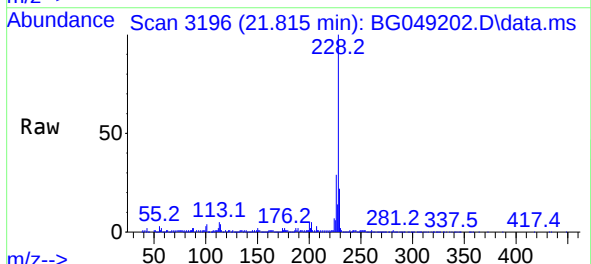
Manual Integrations
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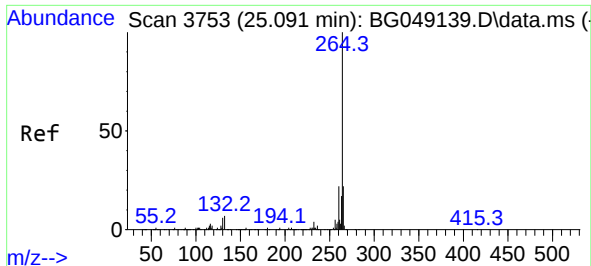
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#83
Chrysene
Concen: 18.610 ng m
RT: 21.815 min Scan# 3196
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

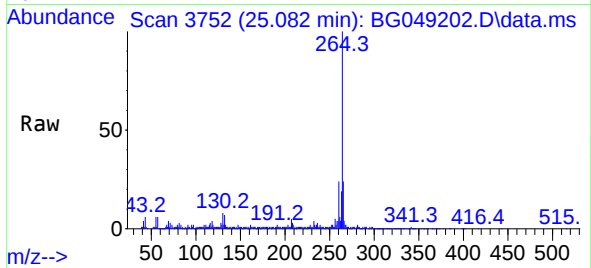
Tgt Ion:228 Resp: 293901
Ion Ratio Lower Upper
228 100
226 28.7 23.1 34.7
229 22.1 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.082 min Scan# 3752
Delta R.T. 0.017 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

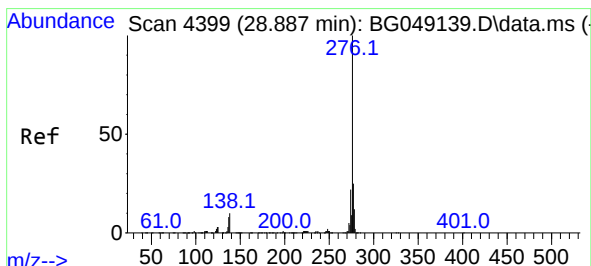
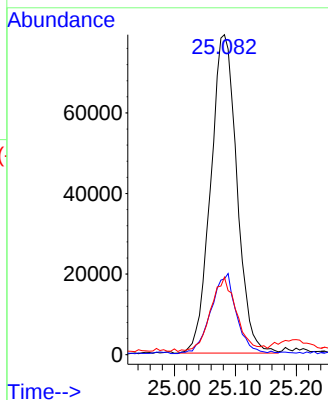
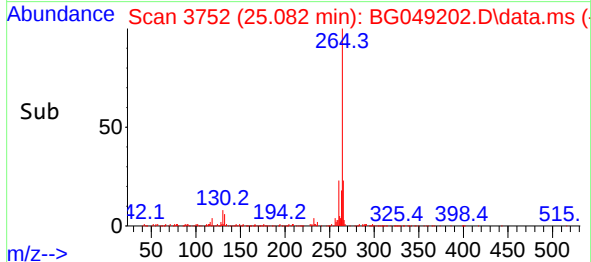
Instrument :
BNA_G
ClientSampled :
HD-01-070221



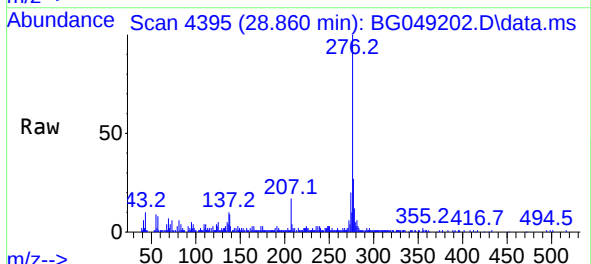
Tgt Ion:264 Resp: 236251
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.2
265 24.2 16.9 25.3

Manual Integrations
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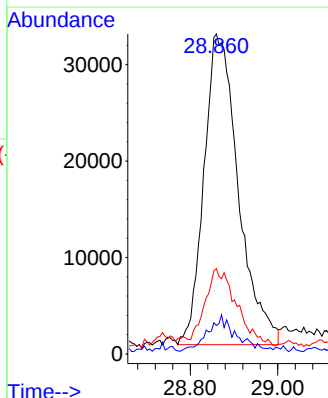
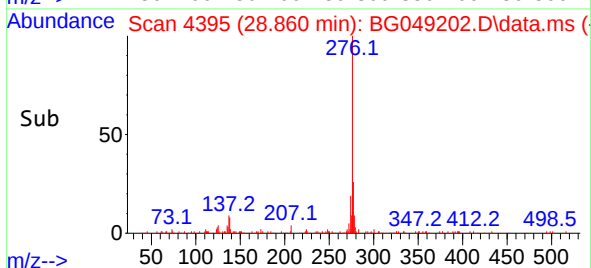
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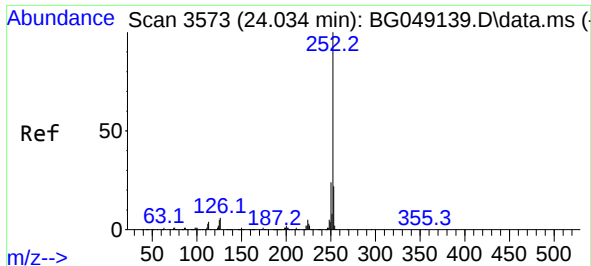


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.336 ng
RT: 28.860 min Scan# 4395
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



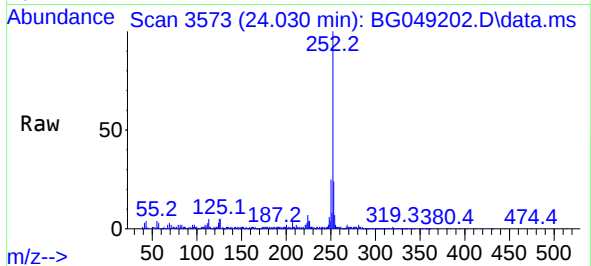
Tgt Ion:276 Resp: 175998
Ion Ratio Lower Upper
276 100
138 7.9 5.1 7.7#
277 22.8 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 23.879 ng
RT: 24.030 min Scan# 3573
Delta R.T. 0.011 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

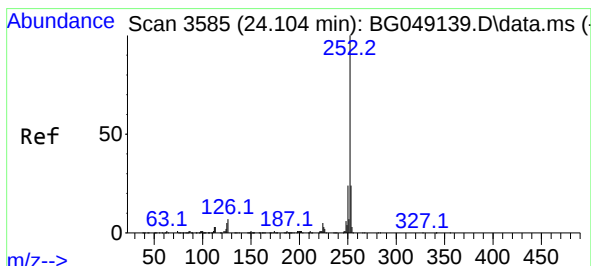
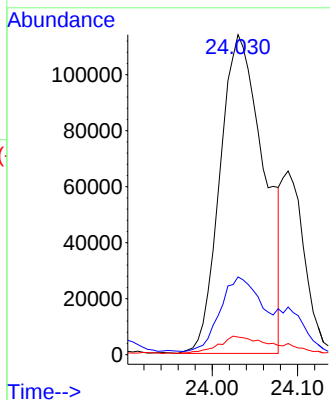
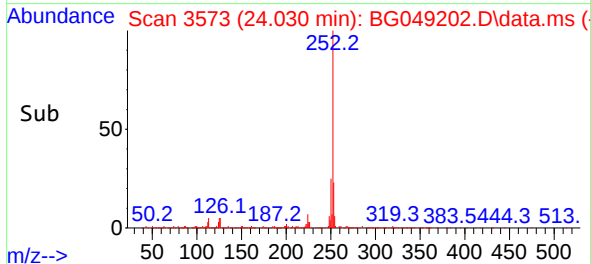
Instrument :
BNA_G
ClientSampleId :
HD-01-070221



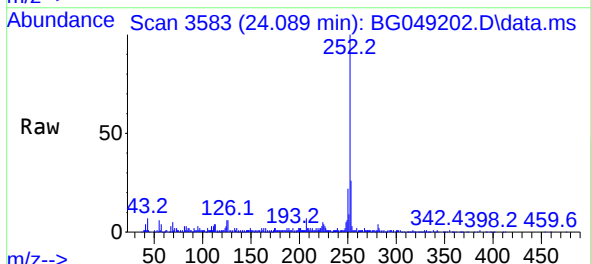
Tgt Ion:252 Resp: 407108
Ion Ratio Lower Upper
252 100
253 24.3 16.2 24.4
125 5.5 3.0 4.4#

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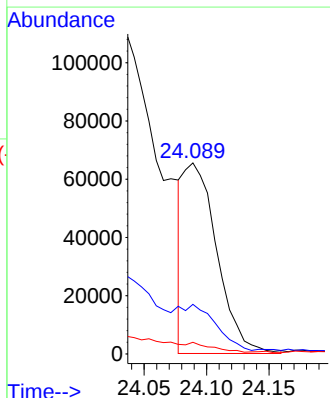
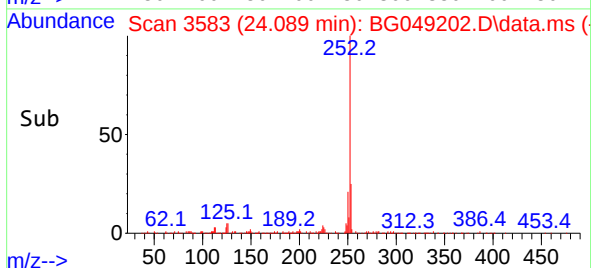
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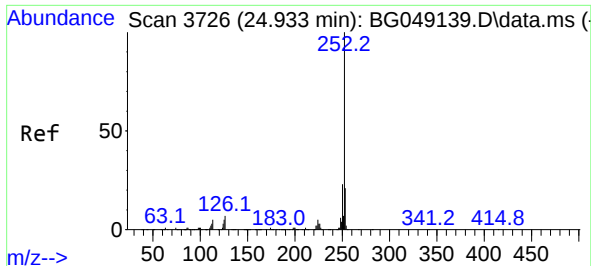


#89
Benzo(k)fluoranthene
Concen: 7.494 ng m
RT: 24.089 min Scan# 3583
Delta R.T. -0.000 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43



Tgt Ion:252 Resp: 121888
Ion Ratio Lower Upper
252 100
253 26.0 18.0 27.0
125 6.1 3.1 4.7#





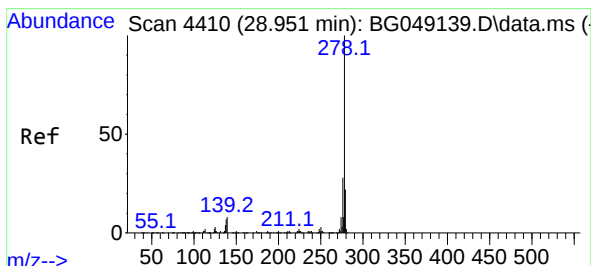
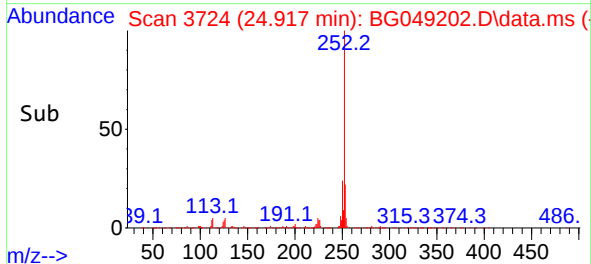
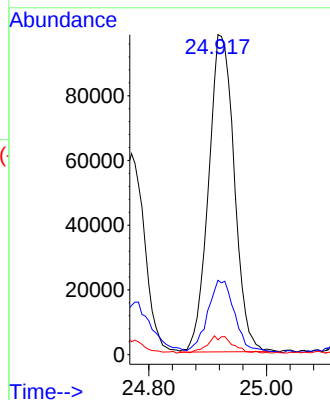
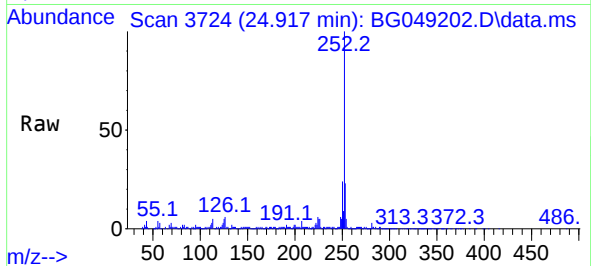
#90
Benzo(a)pyrene
Concen: 18.875 ng
RT: 24.917 min Scan# 3724
Delta R.T. 0.005 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:252 Resp: 296847
Ion Ratio Lower Upper
252 100
253 23.3 16.6 25.0
125 4.7 3.5 5.3

Instrument :
BNA_G
ClientSampleId :
HD-01-070221

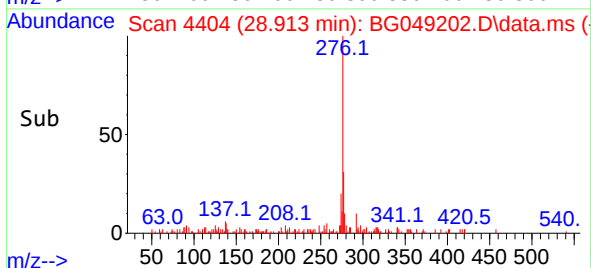
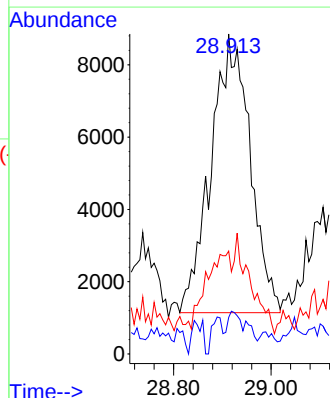
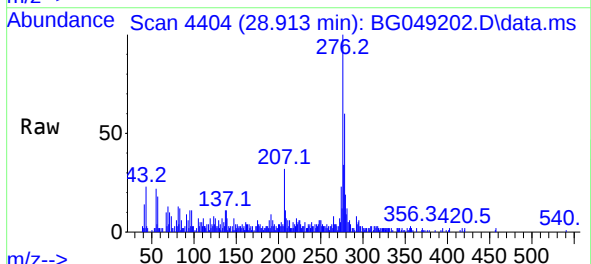
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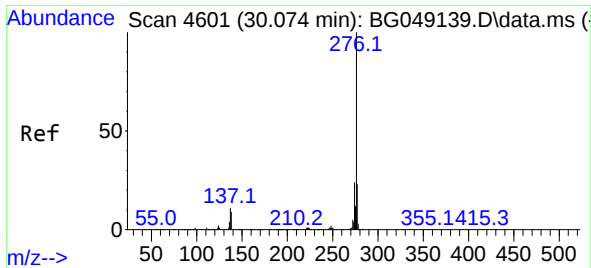
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.691 ng
RT: 28.913 min Scan# 4404
Delta R.T. -0.012 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:278 Resp: 42825
Ion Ratio Lower Upper
278 100
139 11.4 4.6 6.8#
279 32.1 17.9 26.9#





#92
Benzo(g,h,i)perylene
Concen: 9.800 ng
RT: 30.053 min Scan# 4598
Delta R.T. 0.017 min
Lab File: BG049202.D
Acq: 7 Jul 2021 16:43

Tgt Ion:276 Resp: 153702
Ion Ratio Lower Upper
276 100
277 25.8 18.4 27.6
138 10.2 7.0 10.6

Instrument :
BNA_G
ClientSampleId :
HD-01-070221

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