

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070621\
 Data File : BG049182.D
 Acq On : 6 Jul 2021 11:07
 Operator : CG/JU
 Sample : M2913-09DL 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 D-3700DL

Manual Integrations
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Quant Time: Jul 06 11:43:27 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	8.086	152	39201	20.000	ng	0.00
21) Naphthalene-d8	10.906	136	153620	20.000	ng	# 0.00
39) Acenaphthene-d10	14.725	164	102778	20.000	ng	0.00
64) Phenanthrene-d10	17.475	188	207258	20.000	ng	# 0.00
76) Chrysene-d12	21.764	240	213327	20.000	ng	0.00
86) Perylene-d12	25.072	264	219437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.642	112	109441	43.727	ng	0.00
7) Phenol-d6	7.240	99	143920	40.333	ng	0.00
23) Nitrobenzene-d5	9.255	82	105862	29.217	ng	0.00
42) 2,4,6-Tribromophenol	16.218	330	66958	37.581	ng	0.00
45) 2-Fluorobiphenyl	13.350	172	208489	27.368	ng	0.00
79) Terphenyl-d14	20.084	244	294296	23.377	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.796	154	17554	2.828	ng	98
58) Fluorene	15.771	166	23465	2.807	ng	95
71) Phenanthrene	17.522	178	362012	30.333	ng	99
72) Anthracene	17.610	178	64054	5.384	ng	97
73) Carbazole	17.875	167	22925	2.021	ng	96
75) Fluoranthene	19.531	202	574215	38.432	ng	99
78) Pyrene	19.890	202	608090	38.378	ng	97
81) Benzo(a)anthracene	21.741	228	309223	19.434	ng	97
83) Chrysene	21.811	228	324954m	21.497	ng	
87) Indeno(1,2,3-cd)pyrene	28.832	276	170006	9.709	ng	96
88) Benzo(b)fluoranthene	24.020	252	359270	22.688	ng	95
89) Benzo(k)fluoranthene	24.079	252	122496m	8.109	ng	
90) Benzo(a)pyrene	24.913	252	280658	19.213	ng	# 98
91) Dibenzo(a,h)anthracene	28.885	278	51376m	3.476	ng	
92) Benzo(g,h,i)perylene	30.031	276	171121	11.746	ng	98

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

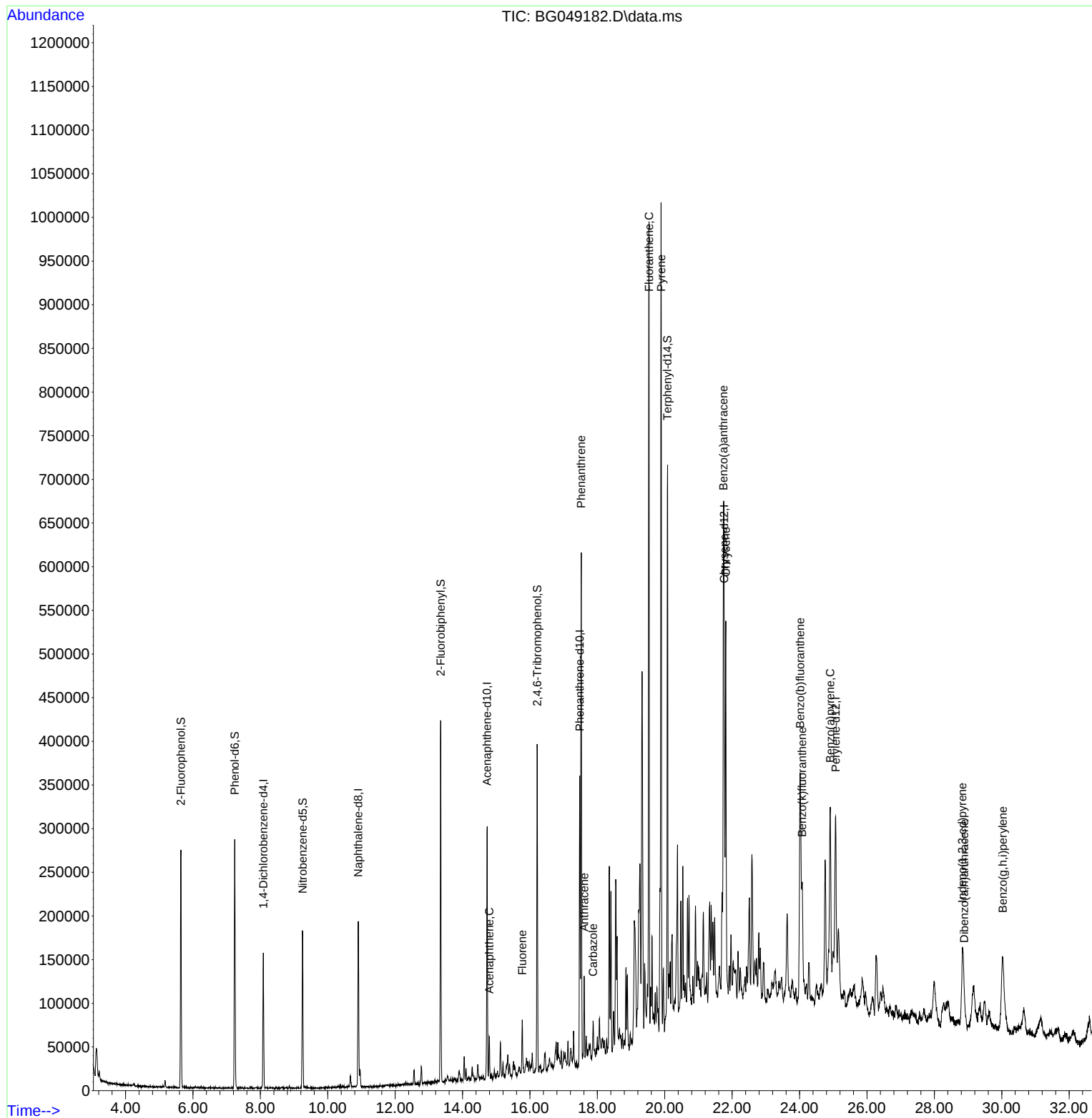
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG070621\
Data File : BG049182.D
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Operator : CG/JU
Sample : M2913-09DL 2X
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ALS Vial : 4 Sample Multiplier: 1

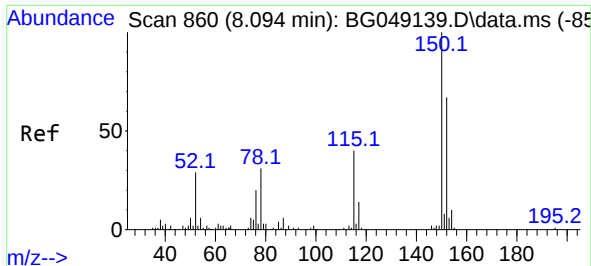
Instrument :
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Quant Time: Jul 06 11:43:27 2021
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG063021.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 06 10:59:02 2021
Response via : Initial Calibration





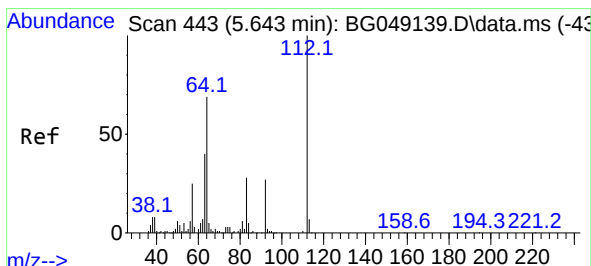
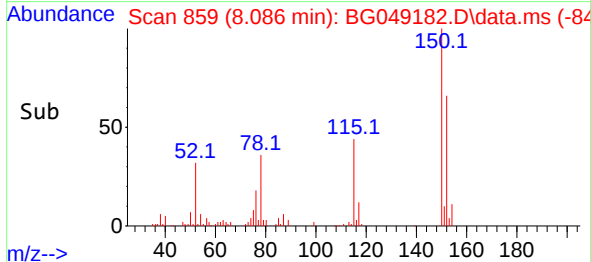
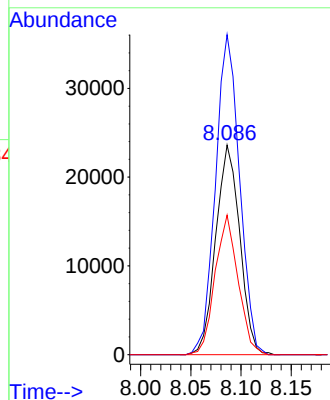
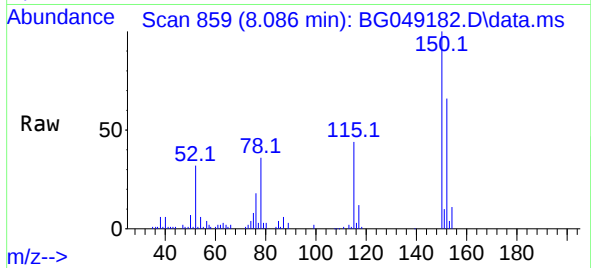
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.086 min Scan# 859
Delta R.T. -0.005 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

Tgt Ion:152 Resp: 39201
Ion Ratio Lower Upper
152 100
150 152.6 119.4 179.0
115 66.5 60.2 90.4

Instrument :
BNA_G
ClientSampleId :
D-3700DL

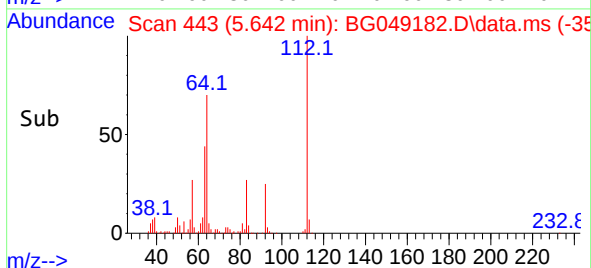
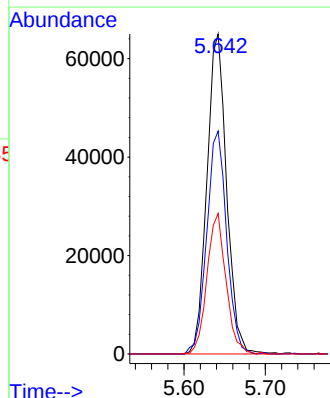
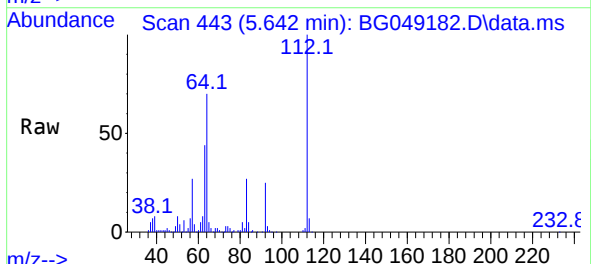
Manual Integrations
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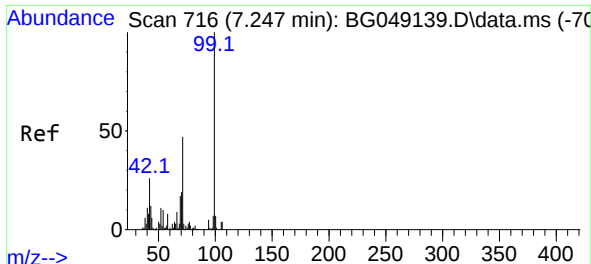
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#5
2-Fluorophenol
Concen: 43.727 ng
RT: 5.642 min Scan# 443
Delta R.T. 0.007 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

Tgt Ion:112 Resp: 109441
Ion Ratio Lower Upper
112 100
64 69.6 46.7 70.1
63 43.9 35.3 52.9





#7
Phenol-d6
Concen: 40.333 ng
RT: 7.240 min Scan# 715
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

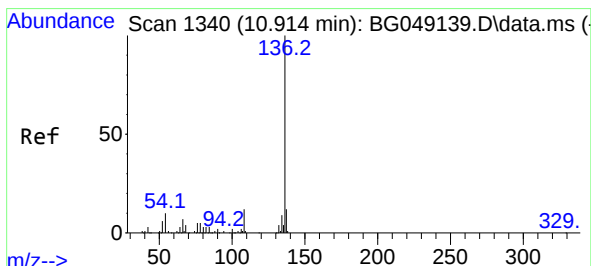
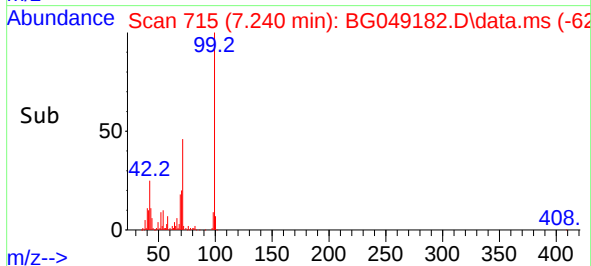
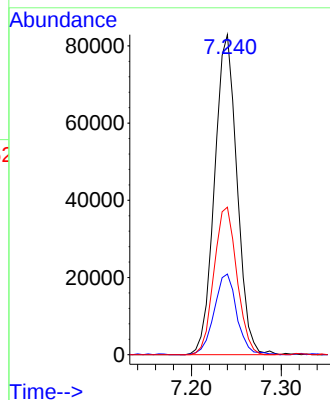
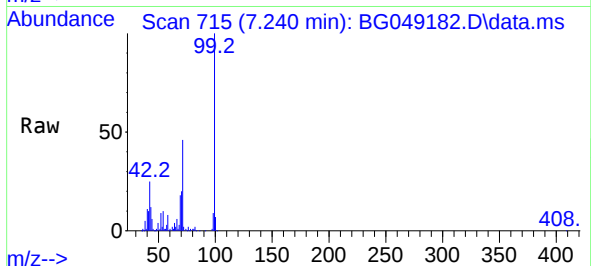
Tgt Ion: 99 Resp: 143920

Ion	Ratio	Lower	Upper
99	100		
42	25.2	20.5	30.7
71	46.1	41.5	62.3

Instrument :
BNA_G
ClientSampleID :
D-3700DL

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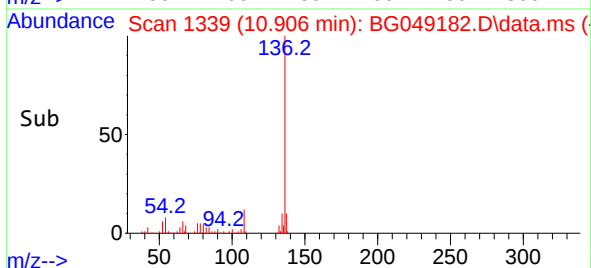
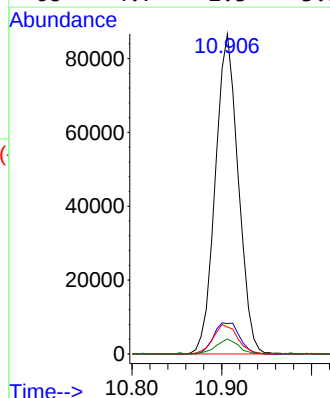
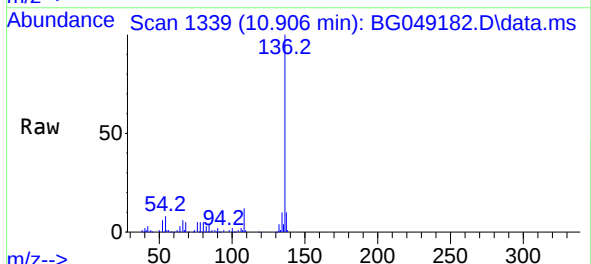
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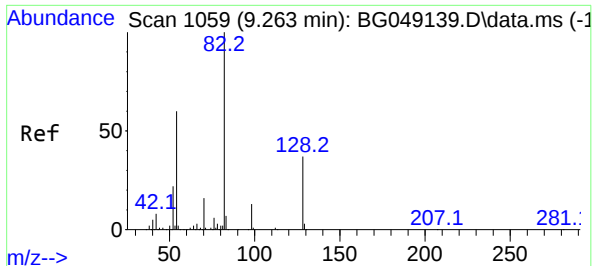


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.906 min Scan# 1339
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

Tgt Ion: 136 Resp: 153620

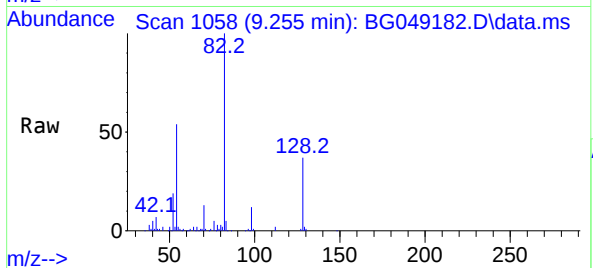
Ion	Ratio	Lower	Upper
136	100		
137	9.5	8.2	12.2
54	8.4	5.5	8.3#
68	4.7	2.3	3.5#





#23
Nitrobenzene-d5
Concen: 29.217 ng
RT: 9.255 min Scan# 1058
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

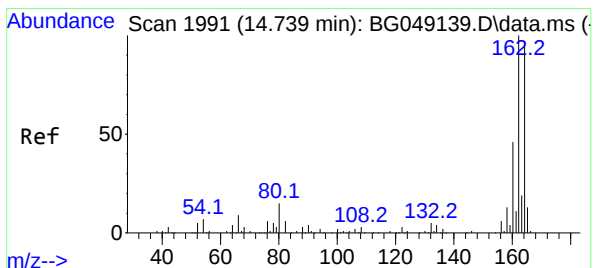
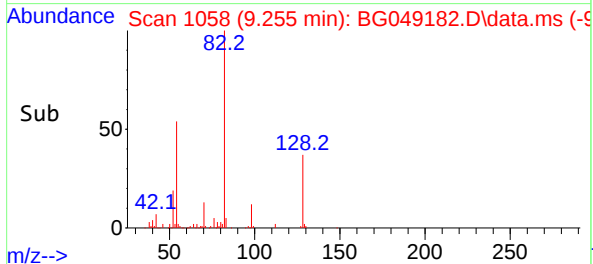
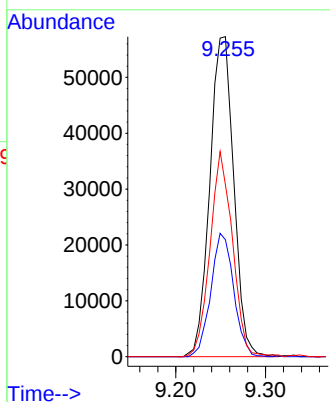
Instrument :
BNA_G
ClientSampleID :
D-3700DL



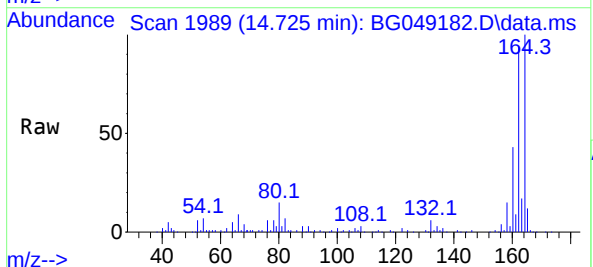
Tgt Ion: 82 Resp: 105862
Ion Ratio Lower Upper
82 100
128 36.6 29.8 44.6
54 53.7 45.8 68.8

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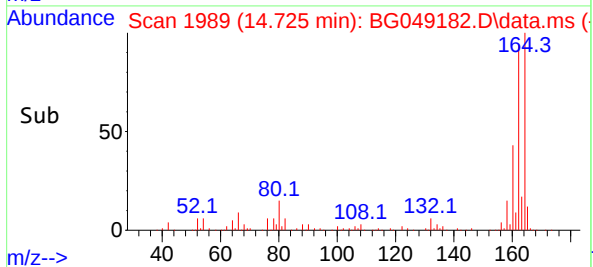
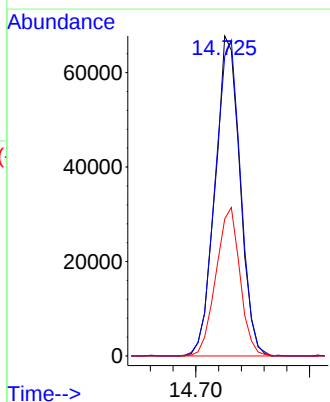
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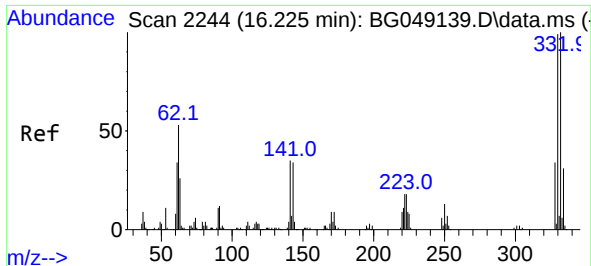


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.725 min Scan# 1989
Delta R.T. -0.004 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07



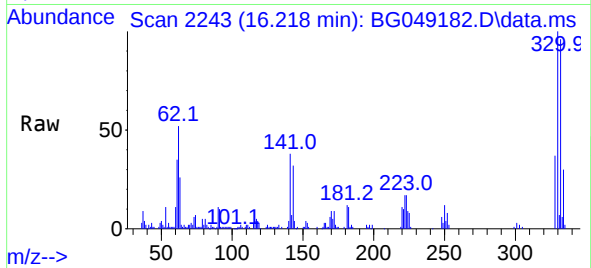
Tgt Ion: 164 Resp: 102778
Ion Ratio Lower Upper
164 100
162 93.8 81.4 122.0
160 42.8 34.9 52.3





#42
2,4,6-Tribromophenol
Concen: 37.581 ng
RT: 16.218 min Scan# 2243
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

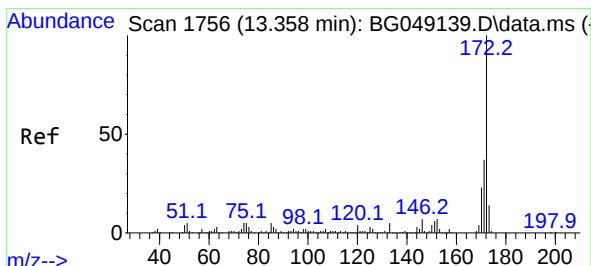
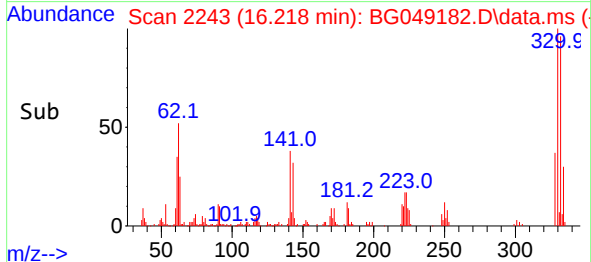
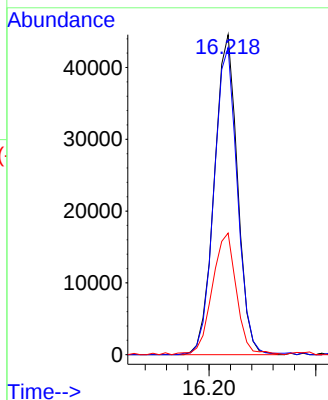
Instrument :
BNA_G
ClientSampled :
D-3700DL



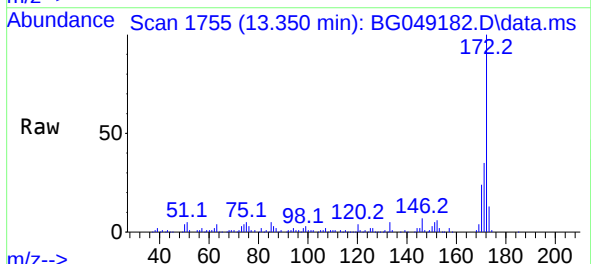
Tgt Ion:330 Resp: 66958
Ion Ratio Lower Upper
330 100
332 97.2 77.3 115.9
141 39.8 35.6 53.4

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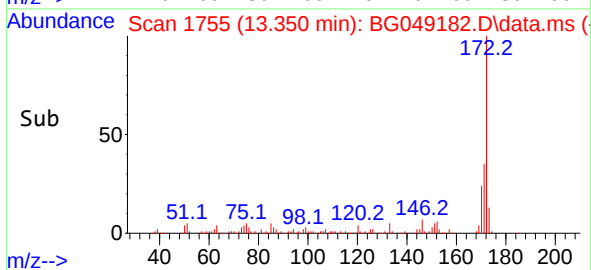
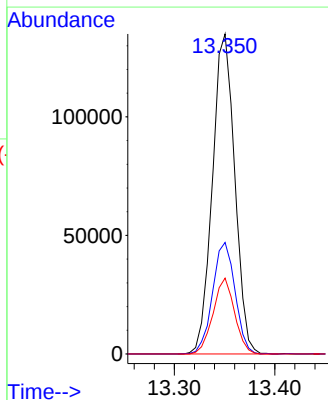
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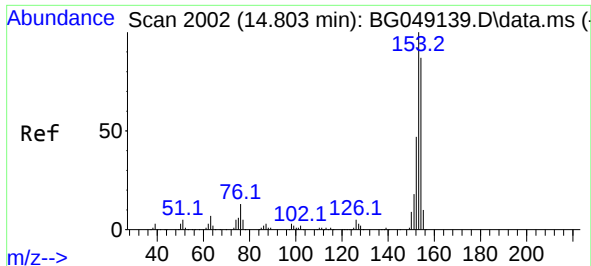


#45
2-Fluorobiphenyl
Concen: 27.368 ng
RT: 13.350 min Scan# 1755
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07



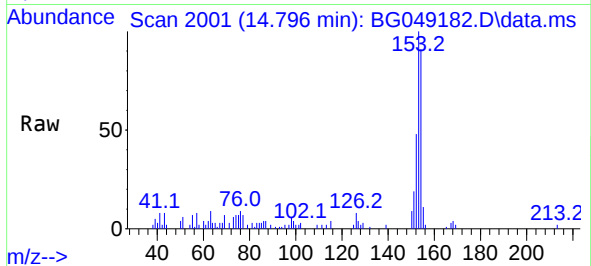
Tgt Ion:172 Resp: 208489
Ion Ratio Lower Upper
172 100
171 34.9 28.6 43.0
170 23.7 18.6 27.8





#52
Acenaphthene
Concen: 2.828 ng
RT: 14.796 min Scan# 2001
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

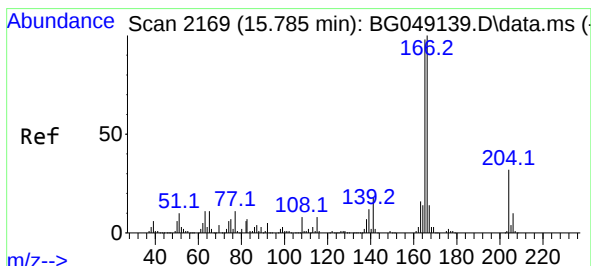
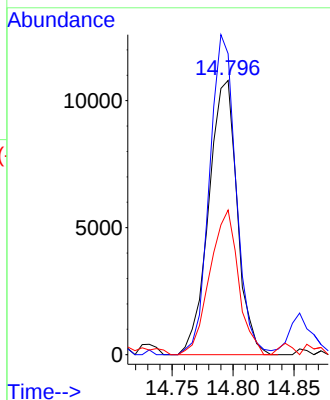
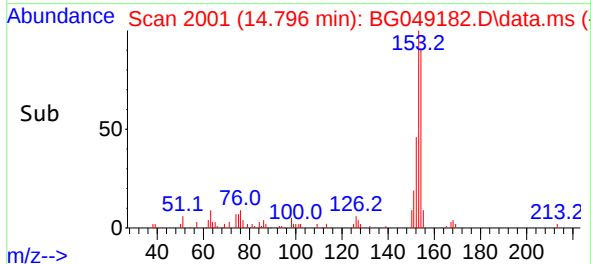
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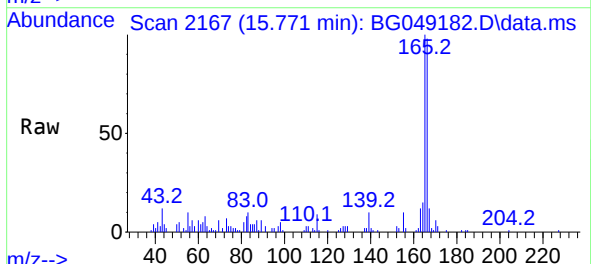
Tgt Ion:154 Resp: 17554
Ion Ratio Lower Upper
154 100
153 109.7 87.0 130.4
152 52.7 40.1 60.1

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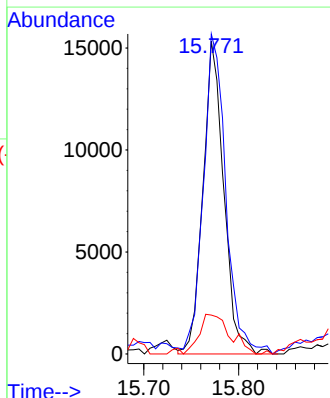
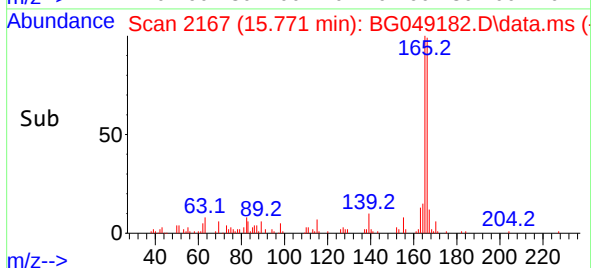
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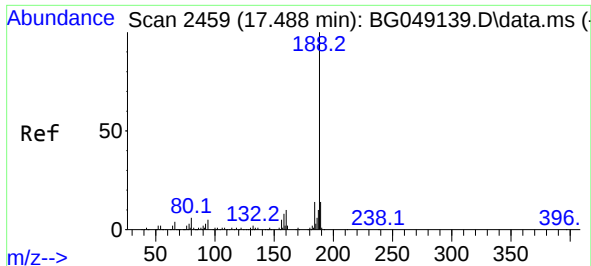


#58
Fluorene
Concen: 2.807 ng
RT: 15.771 min Scan# 2167
Delta R.T. -0.004 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07



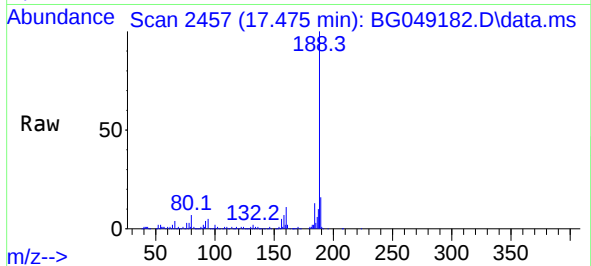
Tgt Ion:166 Resp: 23465
Ion Ratio Lower Upper
166 100
165 102.3 77.7 116.5
167 12.5 10.8 16.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.475 min Scan# 2457
Delta R.T. -0.004 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

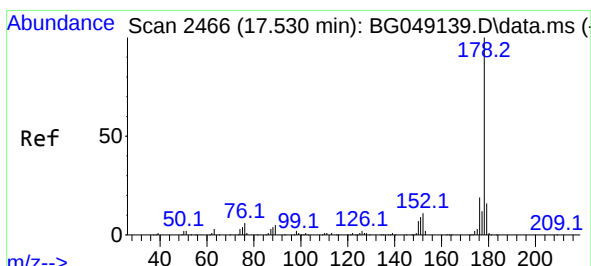
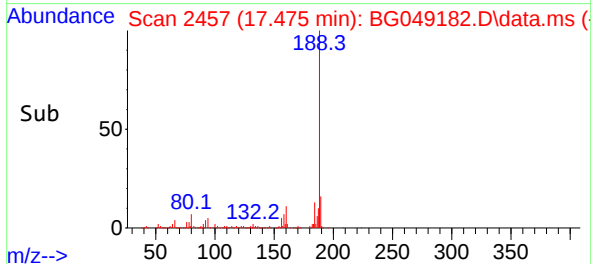
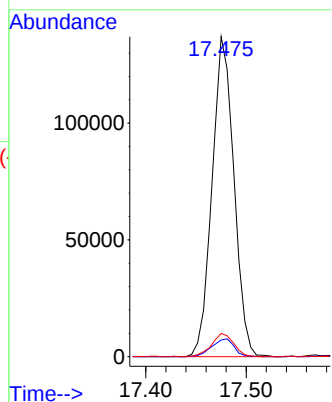
Instrument :
BNA_G
ClientSampleID :
D-3700DL



Tgt Ion:188 Resp: 207258
Ion Ratio Lower Upper
188 100
94 5.2 5.4 8.0#
80 7.3 3.7 5.5#

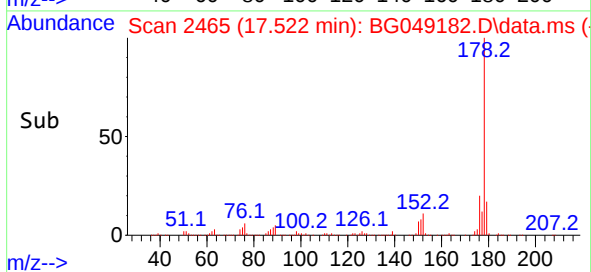
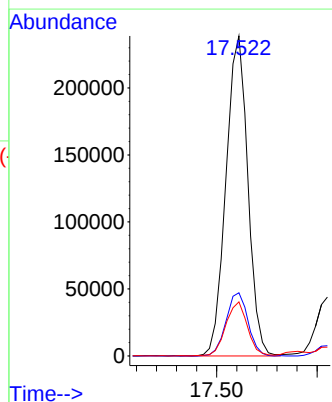
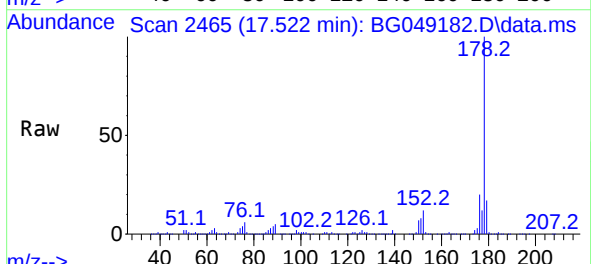
Manual Integrations
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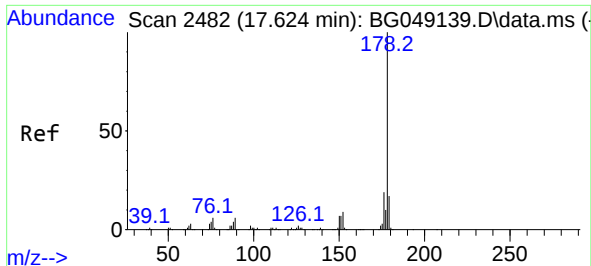
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#71
Phenanthrene
Concen: 30.333 ng
RT: 17.522 min Scan# 2465
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

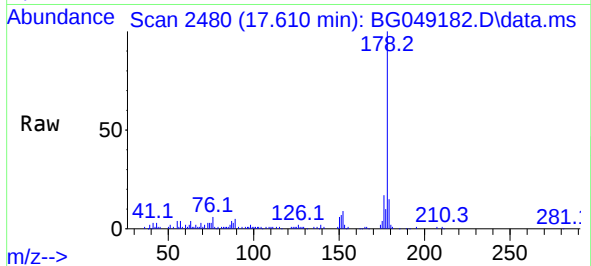
Tgt Ion:178 Resp: 362012
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 16.9 14.2 21.4





#72
 Anthracene
 Concen: 5.384 ng
 RT: 17.610 min Scan# 2480
 Delta R.T. 0.001 min
 Lab File: BG049182.D
 Acq: 6 Jul 2021 11:07

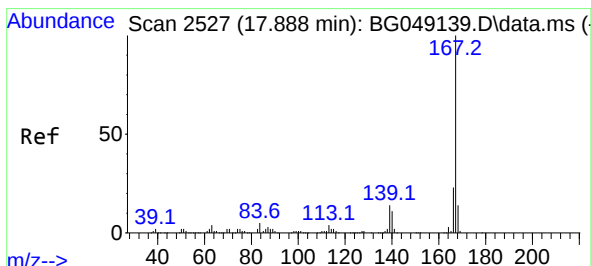
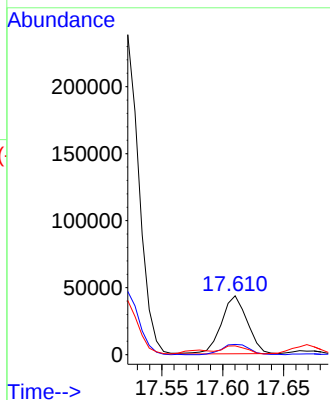
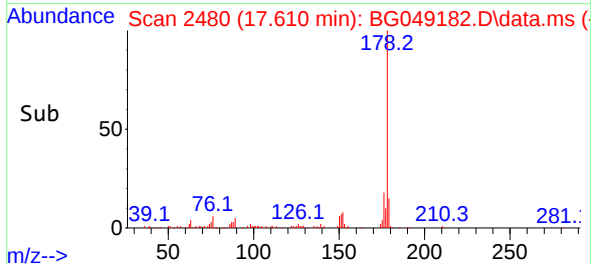
Instrument :
 BNA_G
 ClientSampled :
 D-3700DL



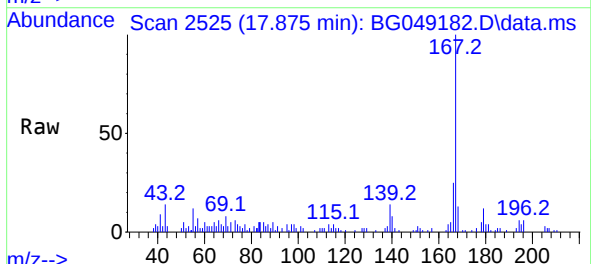
Tgt Ion:178 Resp: 64054
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.6 21.8
 179 15.1 13.4 20.0

Manual Integrations
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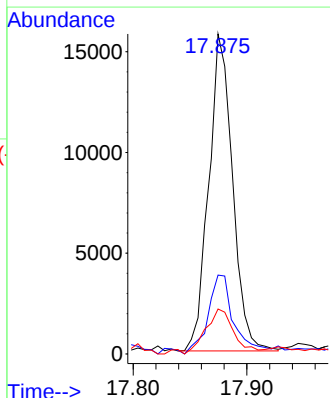
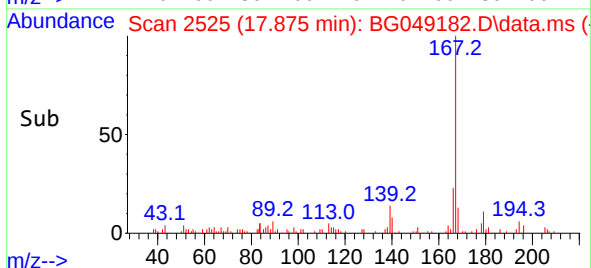
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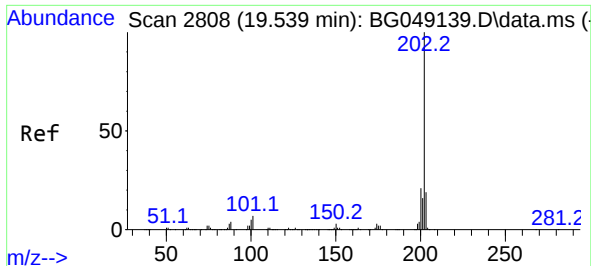


#73
 Carbazole
 Concen: 2.021 ng
 RT: 17.875 min Scan# 2525
 Delta R.T. -0.004 min
 Lab File: BG049182.D
 Acq: 6 Jul 2021 11:07



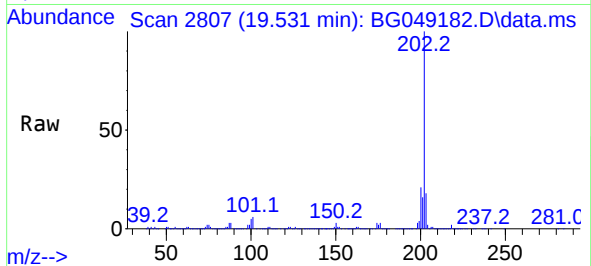
Tgt Ion:167 Resp: 22925
 Ion Ratio Lower Upper
 167 100
 166 24.7 17.4 26.2
 139 14.1 10.7 16.1





#75
Fluoranthene
Concen: 38.432 ng
RT: 19.531 min Scan# 2807
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

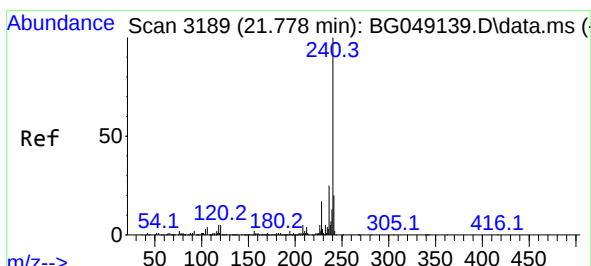
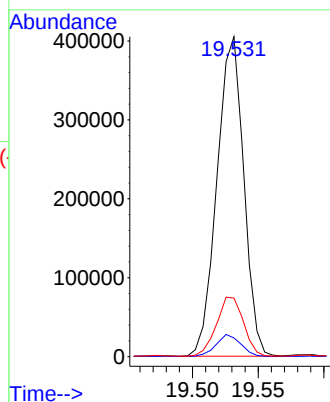
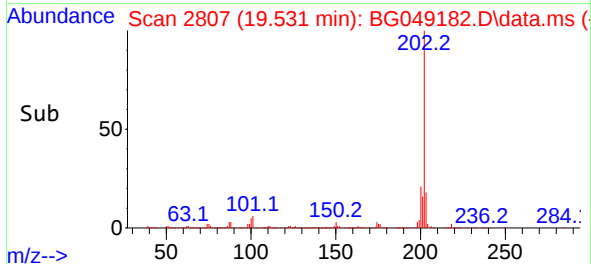
Instrument :
BNA_G
ClientSampled :
D-3700DL



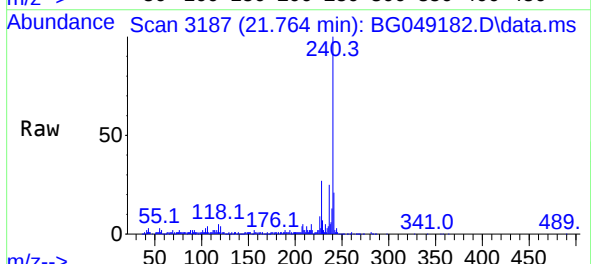
Tgt Ion:202 Resp: 574215
Ion Ratio Lower Upper
202 100
101 5.9 0.0 24.7
203 18.3 0.0 38.5

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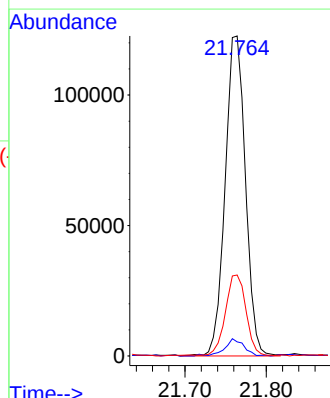
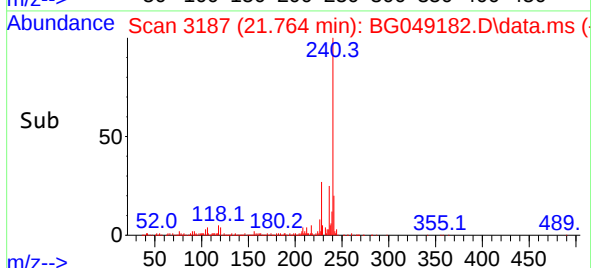
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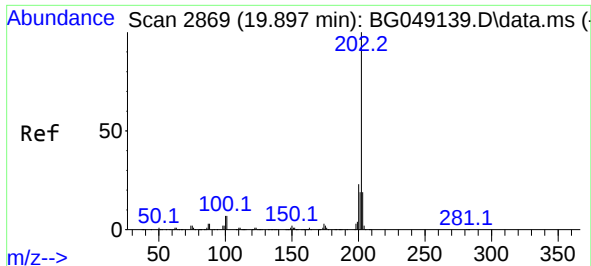


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.764 min Scan# 3187
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07



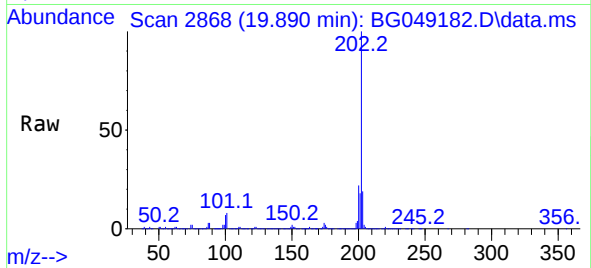
Tgt Ion:240 Resp: 213327
Ion Ratio Lower Upper
240 100
120 4.4 4.2 6.2
236 25.3 21.8 32.6





#78
Pyrene
Concen: 38.378 ng
RT: 19.890 min Scan# 2868
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

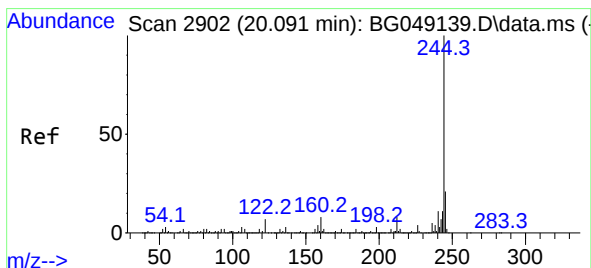
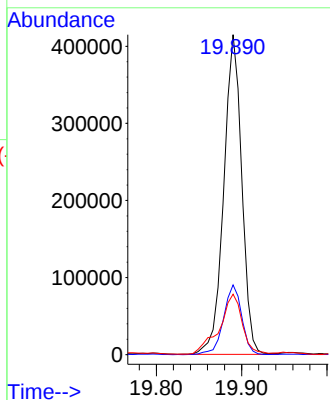
Instrument :
BNA_G
ClientSampleID :
D-3700DL



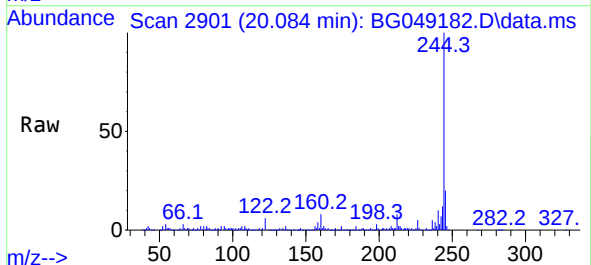
Tgt Ion:202 Resp: 608090
Ion Ratio Lower Upper
202 100
200 21.8 15.8 23.8
203 18.9 14.6 21.8

Manual Integrations
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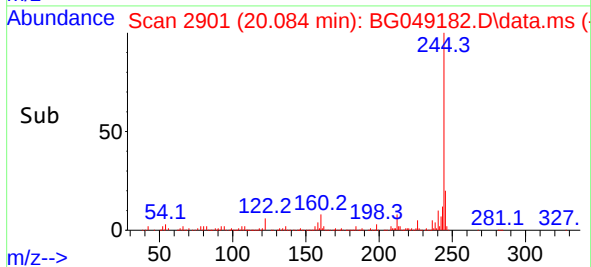
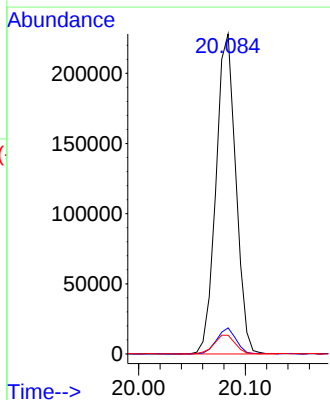
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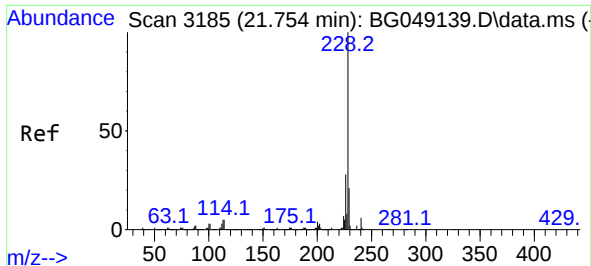


#79
Terphenyl-d14
Concen: 23.377 ng
RT: 20.084 min Scan# 2901
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07



Tgt Ion:244 Resp: 294296
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 5.9 5.0 7.6





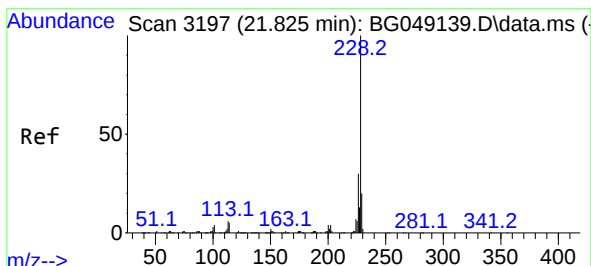
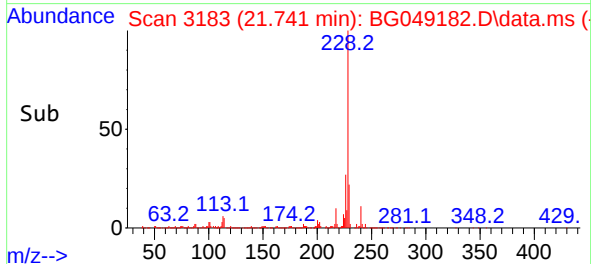
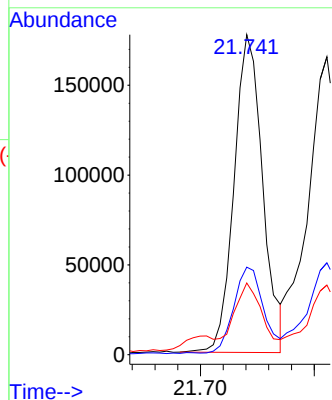
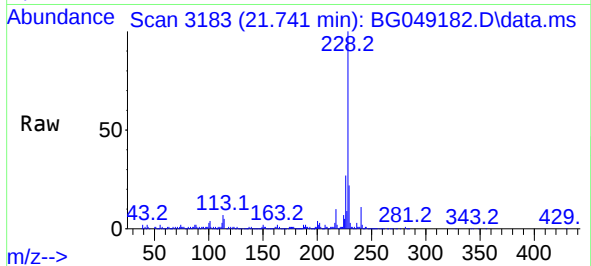
#81
Benzo(a)anthracene
Concen: 19.434 ng
RT: 21.741 min Scan# 3183
Delta R.T. -0.004 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

Tgt Ion:228 Resp: 309223
Ion Ratio Lower Upper
228 100
226 27.3 22.7 34.1
229 22.4 16.0 24.0

Instrument :
BNA_G
ClientSampled :
D-3700DL

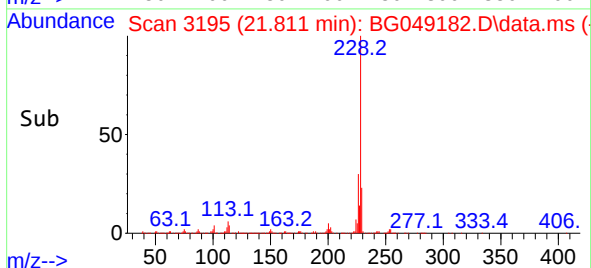
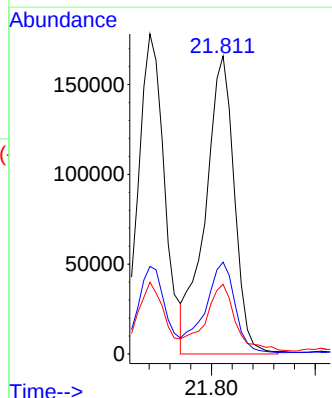
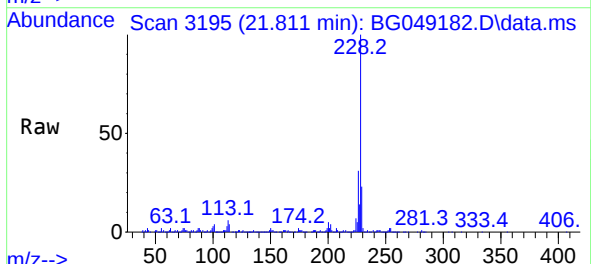
Manual Integrations
APPROVED

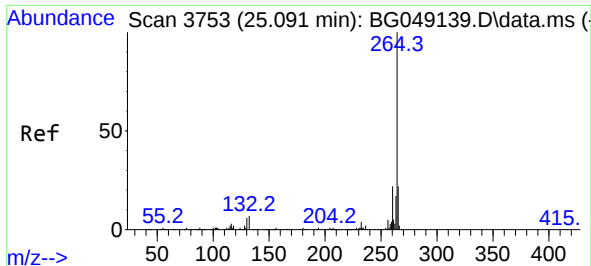
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#83
Chrysene
Concen: 21.497 ng m
RT: 21.811 min Scan# 3195
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

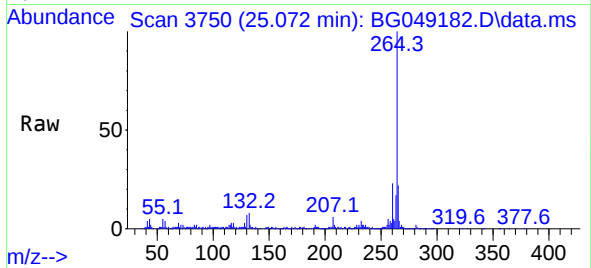
Tgt Ion:228 Resp: 324954
Ion Ratio Lower Upper
228 100
226 30.8 23.1 34.7
229 23.4 15.3 22.9#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.072 min Scan# 3750
Delta R.T. 0.007 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

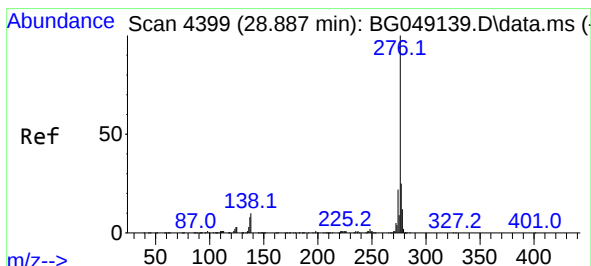
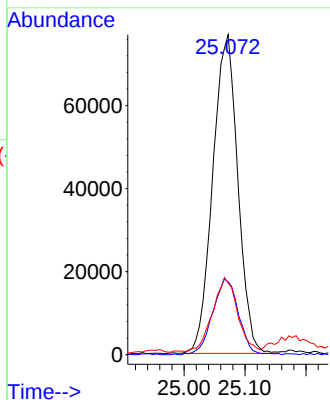
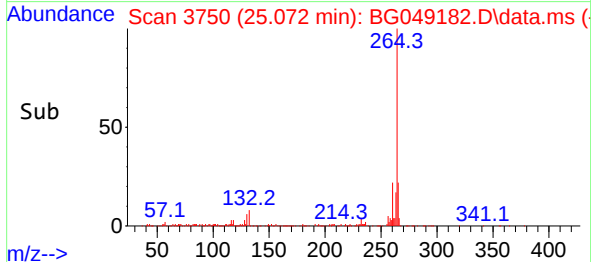
Instrument :
BNA_G
ClientSampled :
D-3700DL



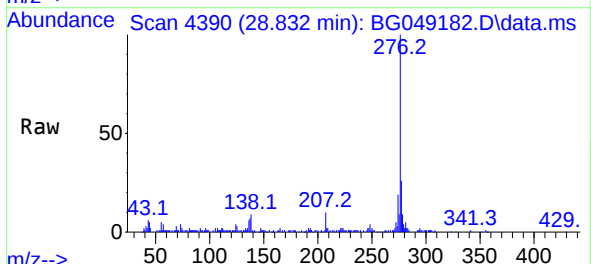
Tgt Ion:264 Resp: 219437
Ion Ratio Lower Upper
264 100
260 22.8 19.4 29.2
265 22.3 16.9 25.3

Manual Integrations
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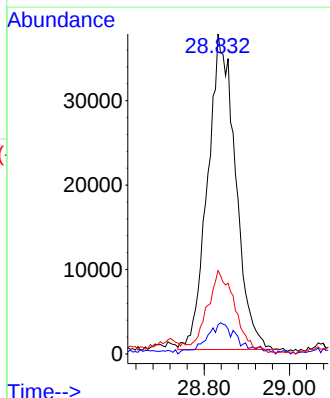
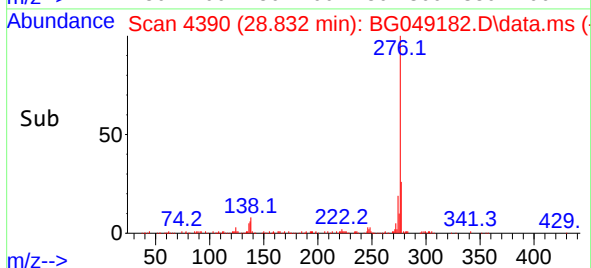
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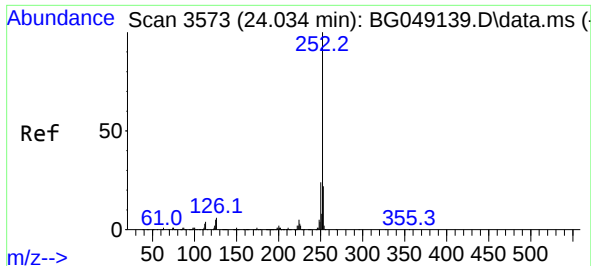


#87
Indeno(1,2,3-cd)pyrene
Concen: 9.709 ng
RT: 28.832 min Scan# 4390
Delta R.T. -0.028 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07



Tgt Ion:276 Resp: 170006
Ion Ratio Lower Upper
276 100
138 5.9 5.1 7.7
277 22.6 19.8 29.6





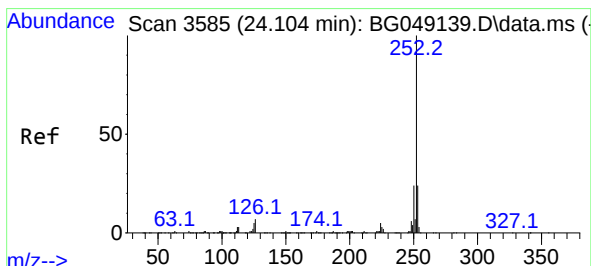
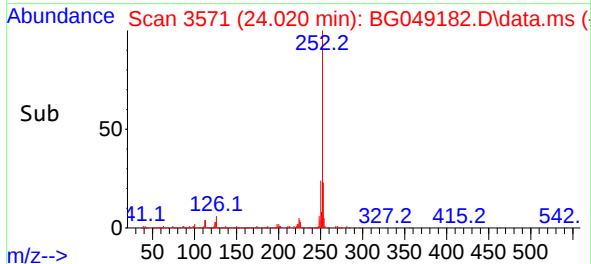
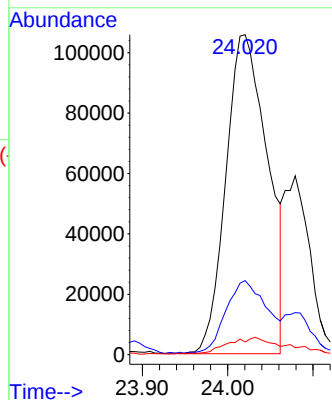
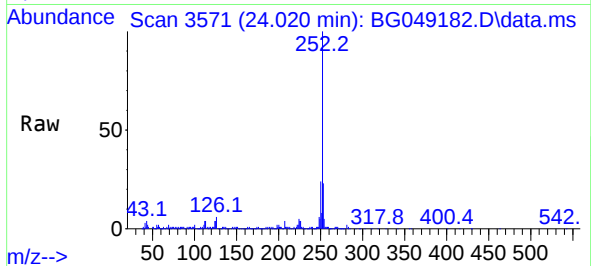
#88
Benzo(b)fluoranthene
Concen: 22.688 ng
RT: 24.020 min Scan# 3571
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

Tgt Ion:252 Resp: 359270
Ion Ratio Lower Upper
252 100
253 23.2 16.2 24.4
125 3.9 3.0 4.4

Instrument :
BNA_G
ClientSampled :
D-3700DL

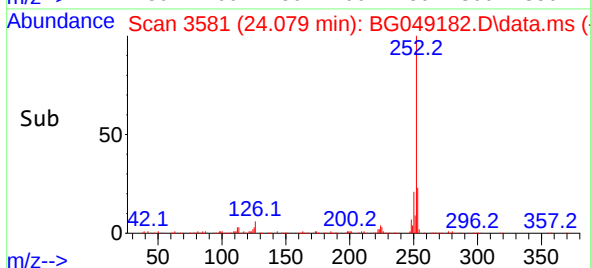
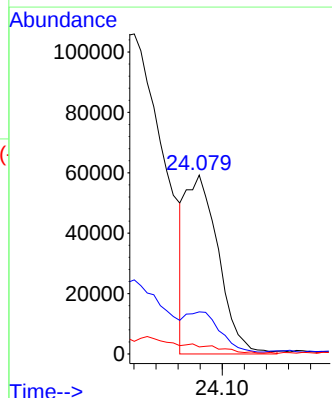
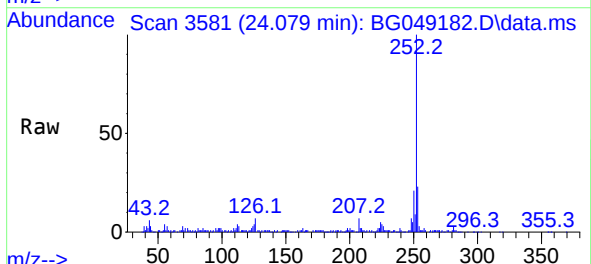
Manual Integrations
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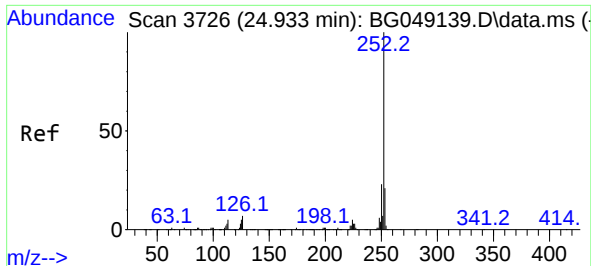
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#89
Benzo(k)fluoranthene
Concen: 8.109 ng m
RT: 24.079 min Scan# 3581
Delta R.T. -0.010 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

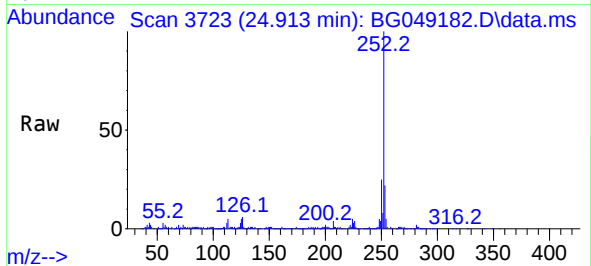
Tgt Ion:252 Resp: 122496
Ion Ratio Lower Upper
252 100
253 23.5 18.0 27.0
125 3.9 3.1 4.7





#90
Benzo(a)pyrene
Concen: 19.213 ng
RT: 24.913 min Scan# 3723
Delta R.T. 0.001 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07

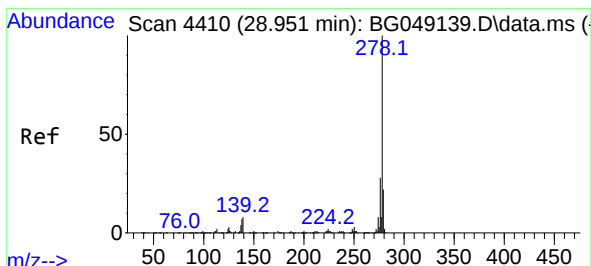
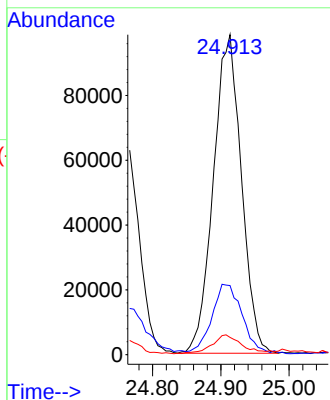
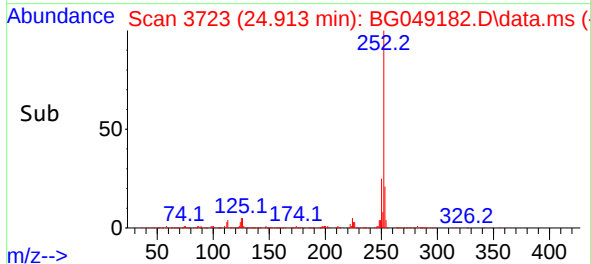
Instrument :
BNA_G
ClientSampled :
D-3700DL



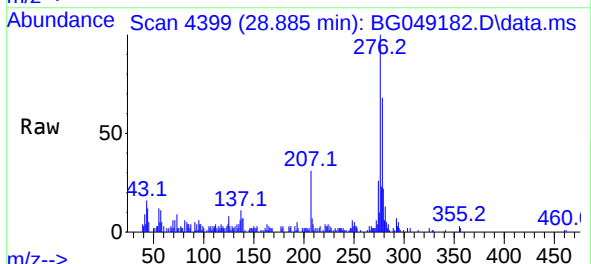
Tgt Ion:252 Resp: 280658
Ion Ratio Lower Upper
252 100
253 21.6 16.6 25.0
125 5.4 3.5 5.3#

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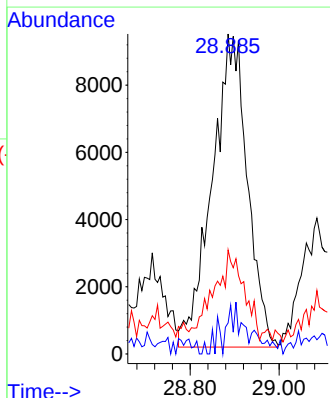
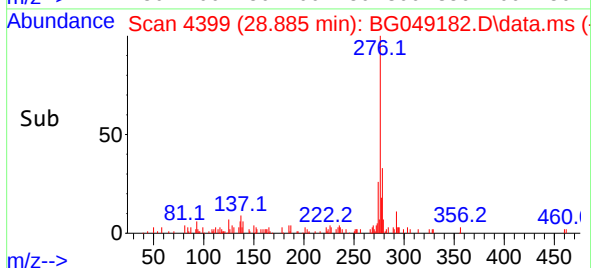
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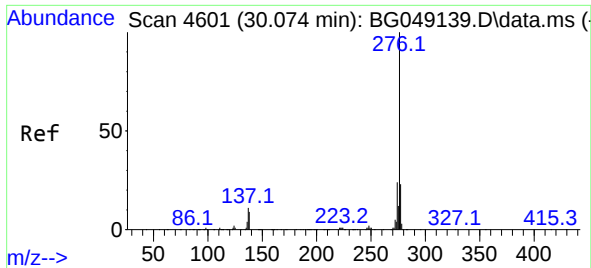


#91
Dibenzo(a,h)anthracene
Concen: 3.476 ng m
RT: 28.885 min Scan# 4399
Delta R.T. -0.040 min
Lab File: BG049182.D
Acq: 6 Jul 2021 11:07



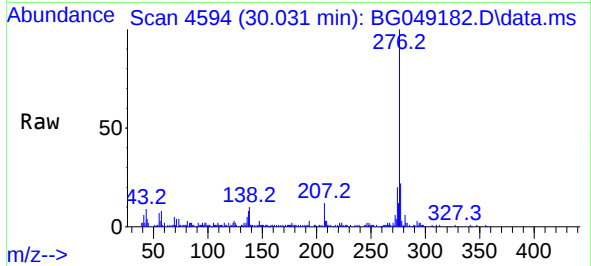
Tgt Ion:278 Resp: 51376
Ion Ratio Lower Upper
278 100
139 9.7 4.6 6.8#
279 32.5 17.9 26.9#





#92
 Benzo(g,h,i)perylene
 Concen: 11.746 ng
 RT: 30.031 min Scan# 4594
 Delta R.T. -0.004 min
 Lab File: BG049182.D
 Acq: 6 Jul 2021 11:07

Instrument :
 BNA_G
 ClientSampleId :
 D-3700DL



Tgt Ion:276 Resp: 171121

Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.4	27.6
138	10.4	7.0	10.6

Manual Integrations
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