

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
 Data File : BG049883.D
 Acq On : 17 Aug 2021 18:31
 Operator : CG/JU
 Sample : M3388-01 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNJ-215

Manual Integrations
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Quant Time: Aug 18 05:43:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 16 18:23:02 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.031	152	35139	20.000	ng	0.00
21) Naphthalene-d8	10.850	136	147680	20.000	ng	# 0.00
39) Acenaphthene-d10	14.681	164	98278	20.000	ng	0.00
64) Phenanthrene-d10	17.436	188	181584	20.000	ng	# 0.00
76) Chrysene-d12	21.724	240	159185	20.000	ng	0.00
86) Perylene-d12	25.008	264	165841	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	79599	40.607	ng	0.00
7) Phenol-d6	7.197	99	118044	39.782	ng	0.00
23) Nitrobenzene-d5	9.200	82	85957	25.756	ng	0.00
42) 2,4,6-Tribromophenol	16.173	330	55524	38.437	ng	0.00
45) 2-Fluorobiphenyl	13.300	172	186296	27.582	ng	0.00
79) Terphenyl-d14	20.044	244	251965	28.748	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.897	128	18871	2.440	ng	# 93
37) 2-Methylnaphthalene	12.507	142	13250m	2.274	ng	
38) 1-Methylnaphthalene	12.724	142	12046	2.200	ng	# 92
52) Acenaphthene	14.745	154	51099	9.573	ng	94
55) Dibenzofuran	15.080	168	38193	4.411	ng	90
58) Fluorene	15.726	166	56336	8.004	ng	96
71) Phenanthrene	17.483	178	736008	77.042	ng	97
72) Anthracene	17.571	178	216589	23.085	ng	99
73) Carbazole	17.841	167	42656	4.800	ng	98
75) Fluoranthene	19.498	202	1107153	94.178	ng	98
78) Pyrene	19.856	202	978408	90.156	ng	95
81) Benzo(a)anthracene	21.706	228	548544	52.914	ng	98
83) Chrysene	21.771	228	482470	48.687	ng	96
87) Indeno(1,2,3-cd)pyrene	28.767	276	213948	17.888	ng	# 95
88) Benzo(b)fluoranthene	23.968	252	602685	55.411	ng	# 93
89) Benzo(k)fluoranthene	24.021	252	211297m	20.827	ng	
90) Benzo(a)pyrene	24.855	252	452954	46.017	ng	95
91) Dibenzo(a,h)anthracene	28.803	278	60053	5.959	ng	# 86
92) Benzo(g,h,i)perylene	29.942	276	169880	17.205	ng	97

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

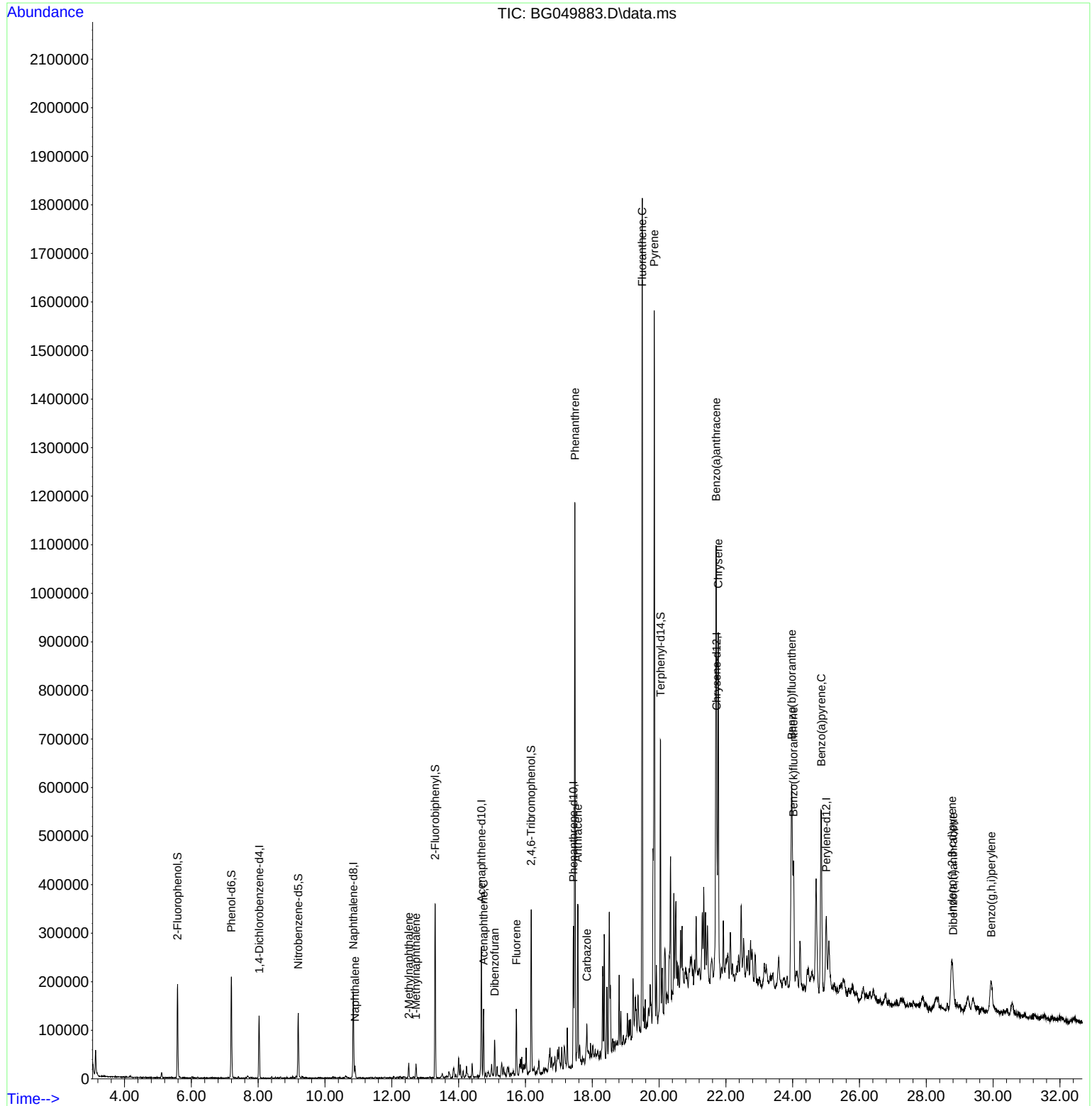
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081721\
Data File : BG049883.D
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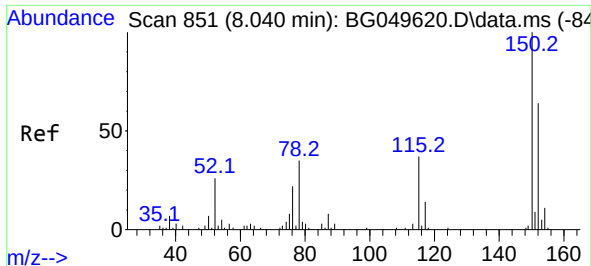
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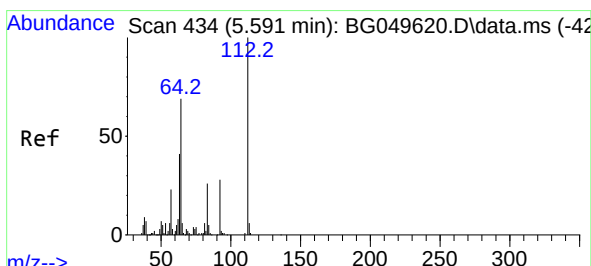
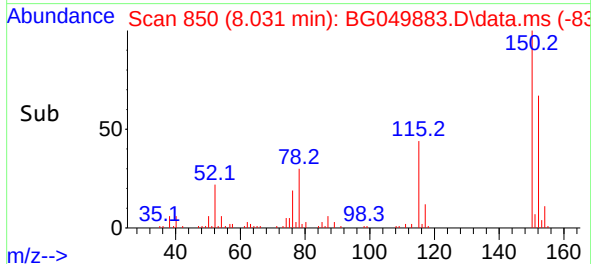
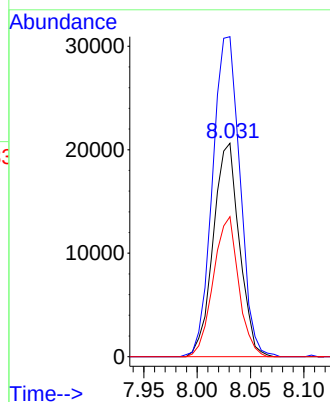
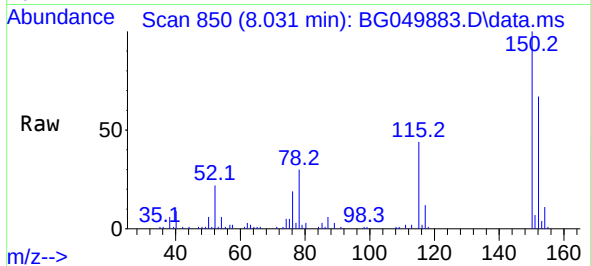
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.031 min Scan# 850
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:152 Resp: 35139
Ion Ratio Lower Upper
152 100
150 149.9 119.4 179.0
115 65.6 60.2 90.4

Instrument :
BNA_G
ClientSampled :
VNJ-215

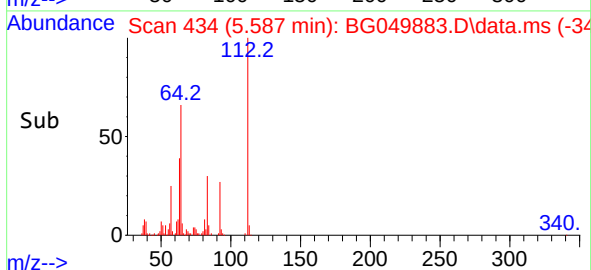
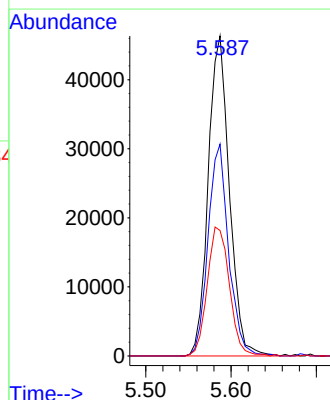
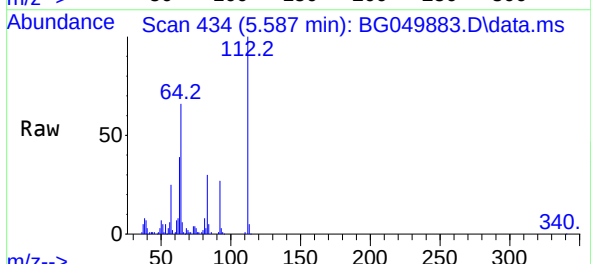
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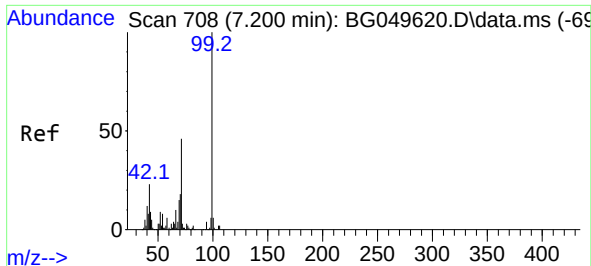
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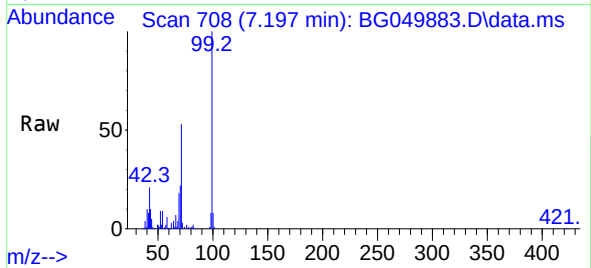
#5
2-Fluorophenol
Concen: 40.607 ng
RT: 5.587 min Scan# 434
Delta R.T. 0.009 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:112 Resp: 79599
Ion Ratio Lower Upper
112 100
64 66.2 46.7 70.1
63 39.2 35.3 52.9

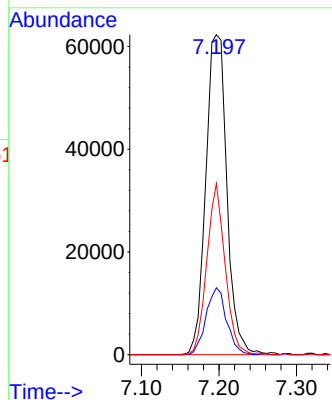




#7
Phenol-d6
Concen: 39.782 ng
RT: 7.197 min Scan# 708
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



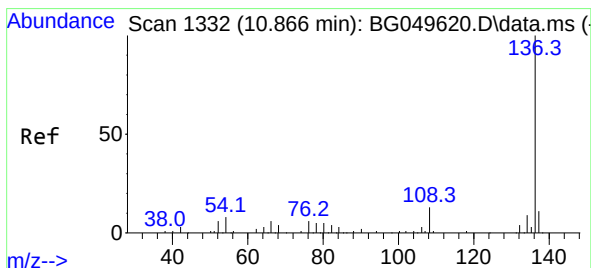
Tgt Ion: 99 Resp: 118044
Ion Ratio Lower Upper
99 100
42 20.9 20.5 30.7
71 53.5 41.5 62.3



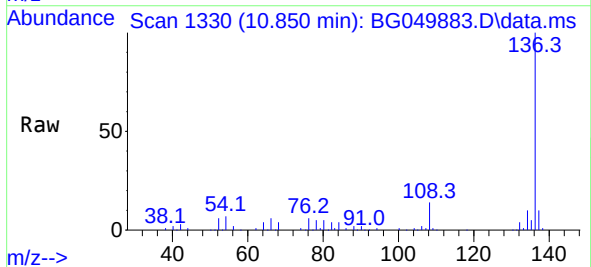
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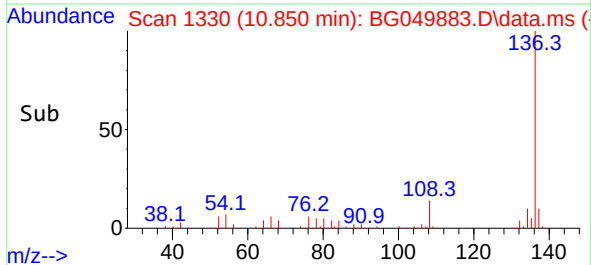
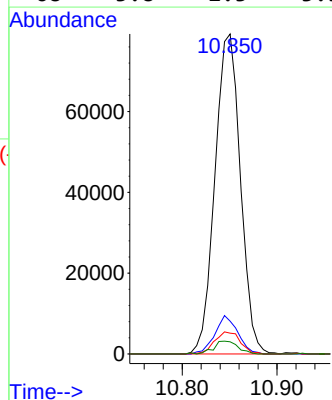
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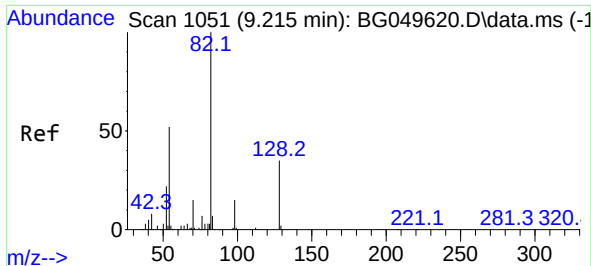


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.850 min Scan# 1330
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



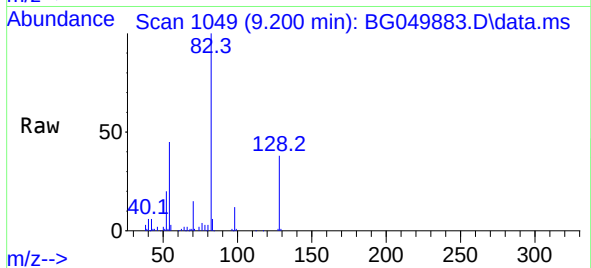
Tgt Ion: 136 Resp: 147680
Ion Ratio Lower Upper
136 100
137 10.3 8.2 12.2
54 6.5 5.5 8.3
68 3.8 2.3 3.5#





#23
Nitrobenzene-d5
Concen: 25.756 ng
RT: 9.200 min Scan# 1049
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

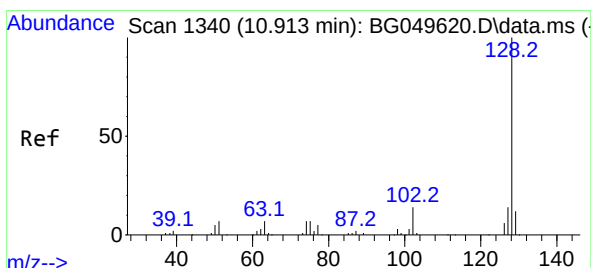
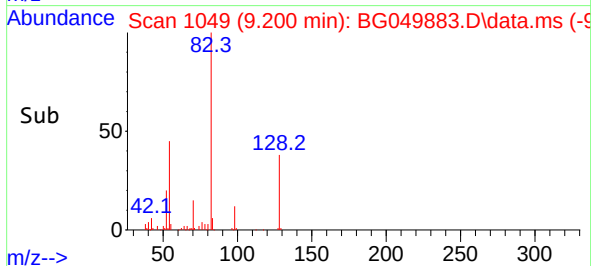
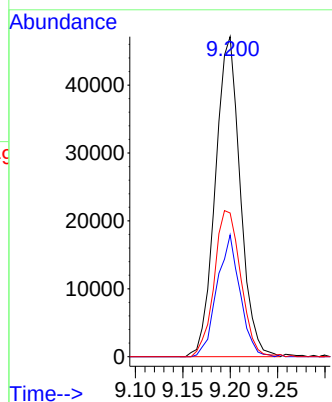
Instrument :
BNA_G
ClientSampled :
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Tgt Ion: 82 Resp: 85957
Ion Ratio Lower Upper
82 100
128 38.1 29.8 44.6
54 44.9 45.8 68.8#

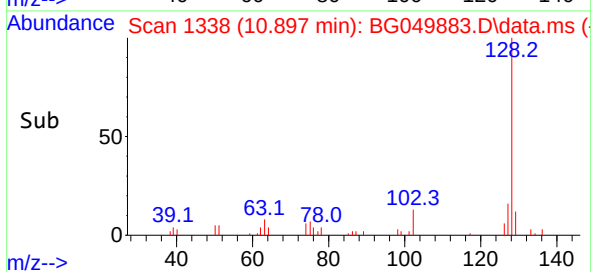
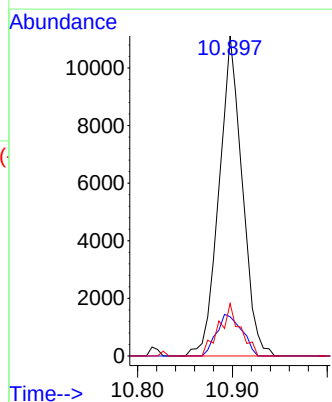
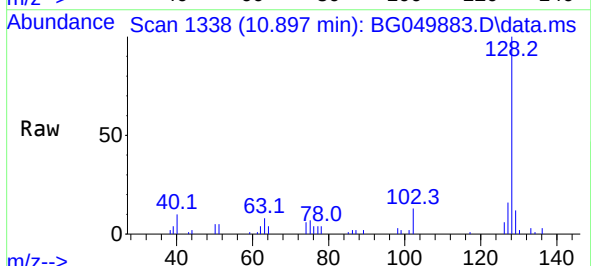
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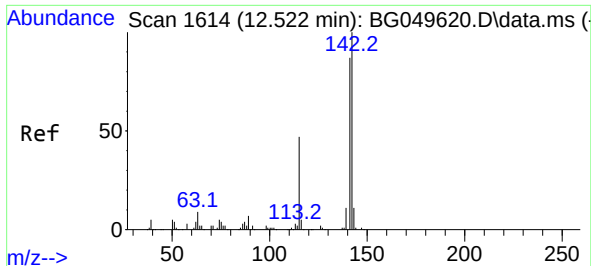
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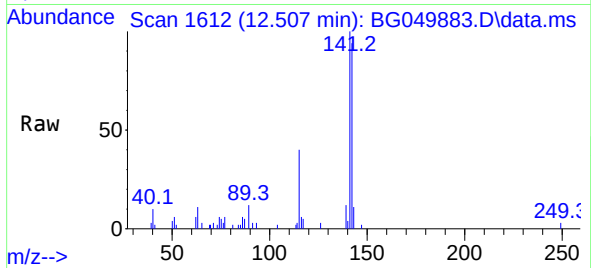
#31
Naphthalene
Concen: 2.440 ng
RT: 10.897 min Scan# 1338
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion: 128 Resp: 18871
Ion Ratio Lower Upper
128 100
129 12.3 8.5 12.7
127 16.4 10.2 15.4#

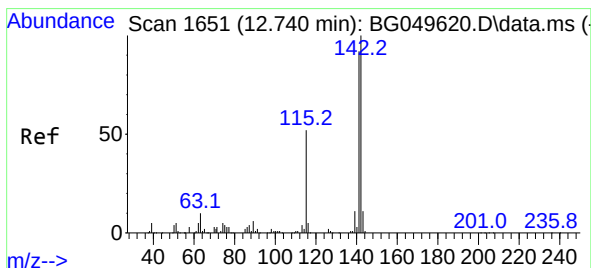
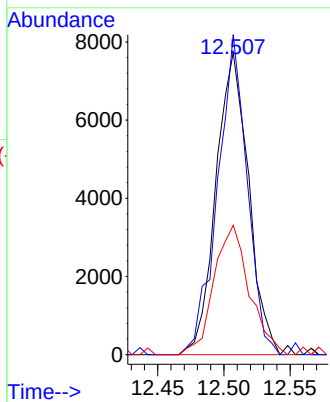
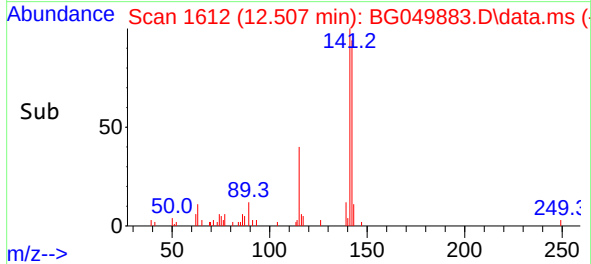




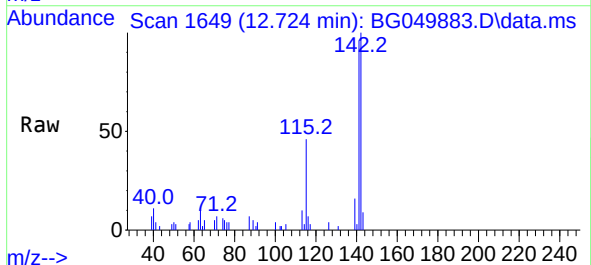
#37
2-Methylnaphthalene
Concen: 2.274 ng m
RT: 12.507 min Scan# 1612
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



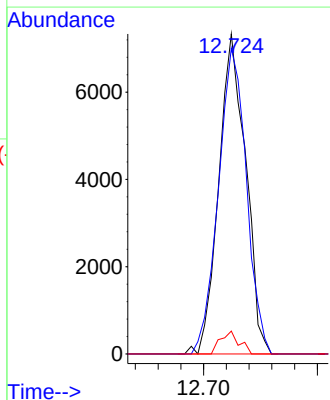
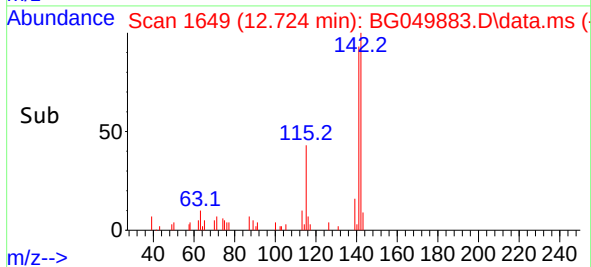
Tgt Ion:142 Resp: 13250
Ion Ratio Lower Upper
142 100
141 105.9 68.8 103.2#
115 42.8 36.4 54.6



#38
1-Methylnaphthalene
Concen: 2.200 ng
RT: 12.724 min Scan# 1649
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



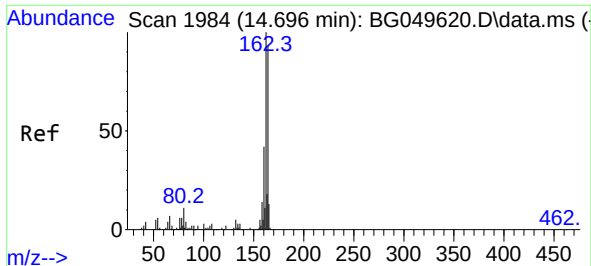
Tgt Ion:142 Resp: 12046
Ion Ratio Lower Upper
142 100
141 95.6 70.6 106.0
116 7.1 4.0 6.0#



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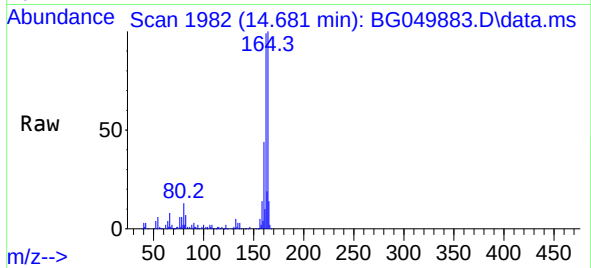
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.681 min Scan# 1982
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

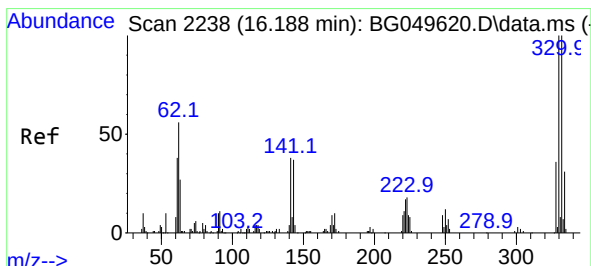
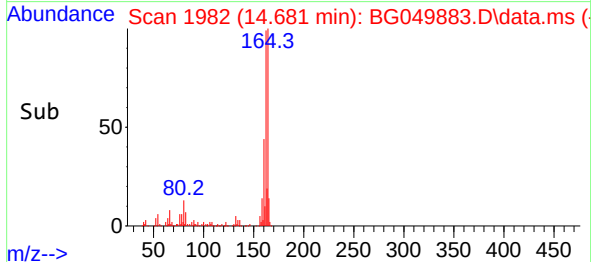
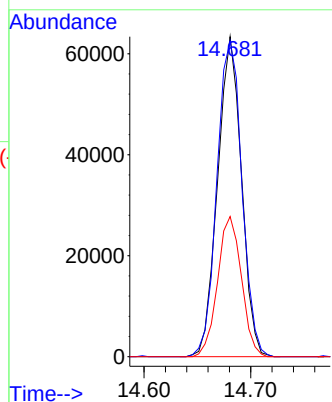
Instrument :
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ClientSampleId :
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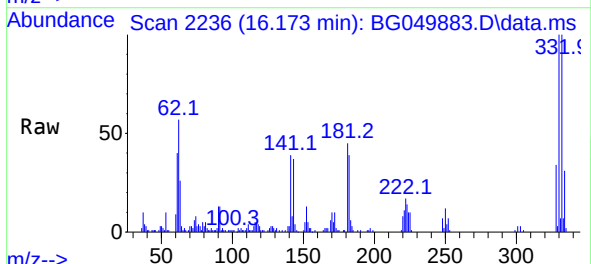
Tgt Ion:164 Resp: 98278
Ion Ratio Lower Upper
164 100
162 98.7 81.4 122.0
160 43.8 34.9 52.3

Manual Integrations
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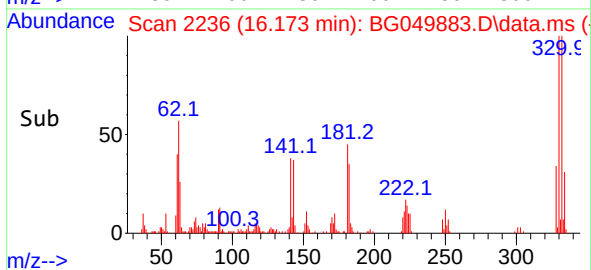
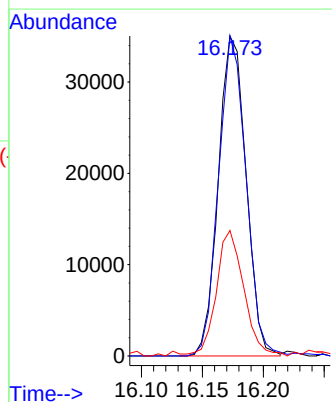
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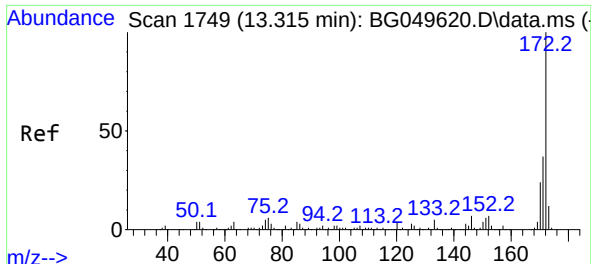


#42
2,4,6-Tribromophenol
Concen: 38.437 ng
RT: 16.173 min Scan# 2236
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



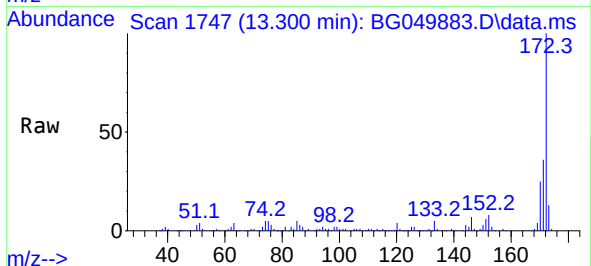
Tgt Ion:330 Resp: 55524
Ion Ratio Lower Upper
330 100
332 99.2 77.3 115.9
141 38.8 35.6 53.4





#45
2-Fluorobiphenyl
Concen: 27.582 ng
RT: 13.300 min Scan# 1747
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

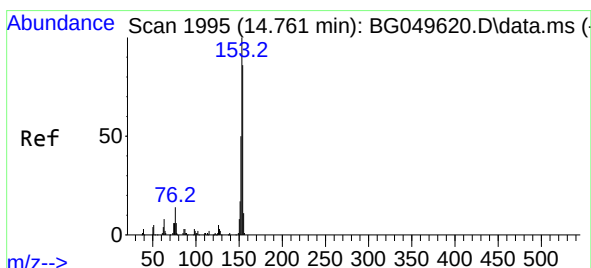
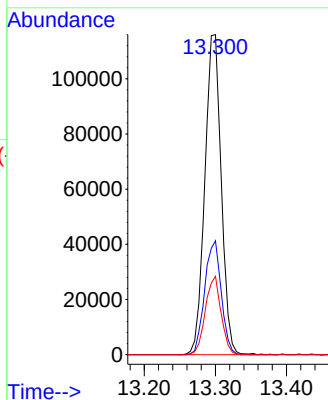
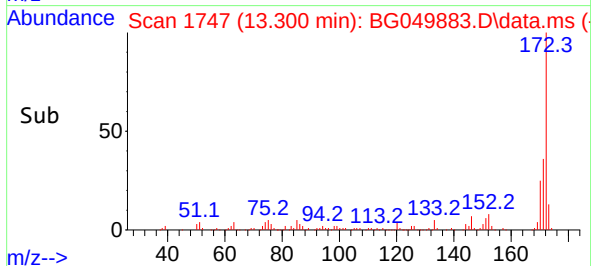
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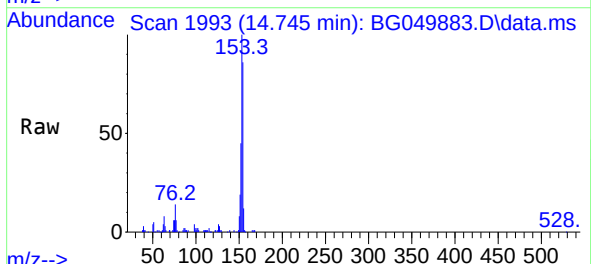
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Ion Ratio Lower Upper
172 100
171 35.6 28.6 43.0
170 24.5 18.6 27.8

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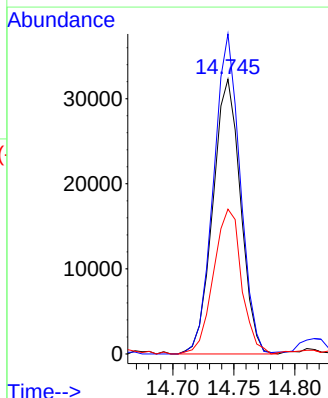
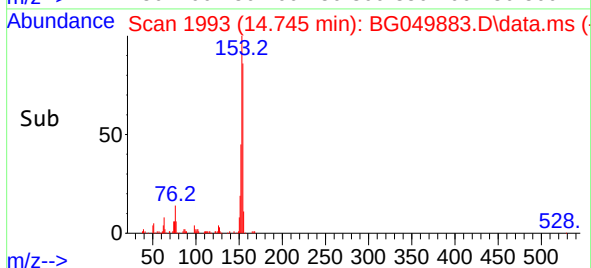
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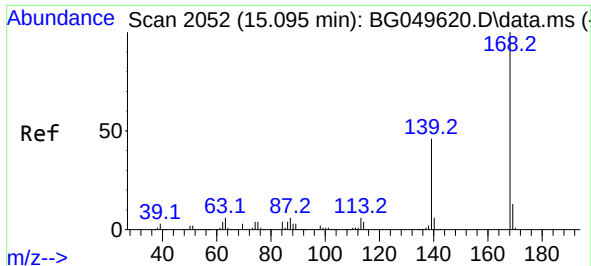


#52
Acenaphthene
Concen: 9.573 ng
RT: 14.745 min Scan# 1993
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

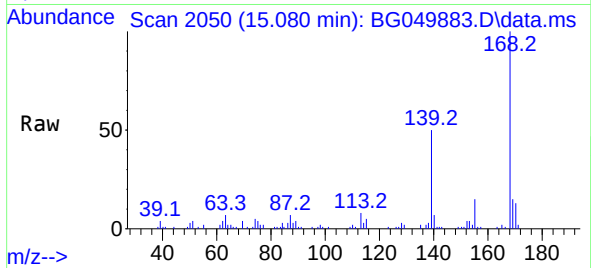


Tgt Ion:154 Resp: 51099
Ion Ratio Lower Upper
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153 116.5 87.0 130.4
152 52.7 40.1 60.1

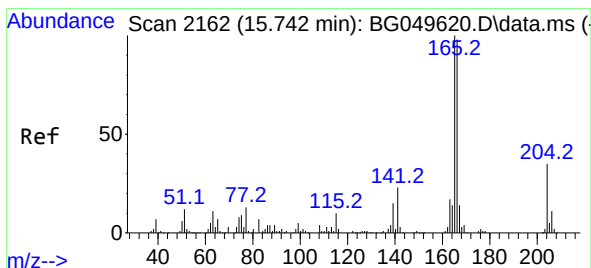
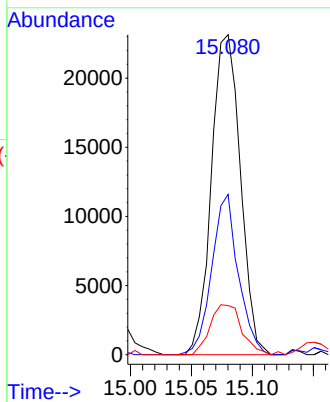
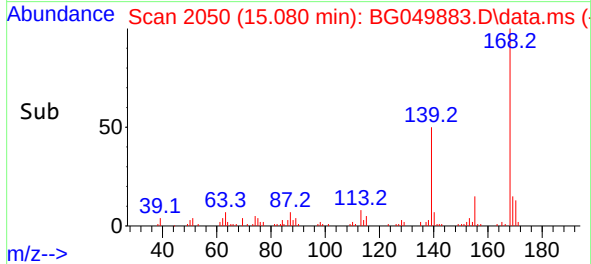




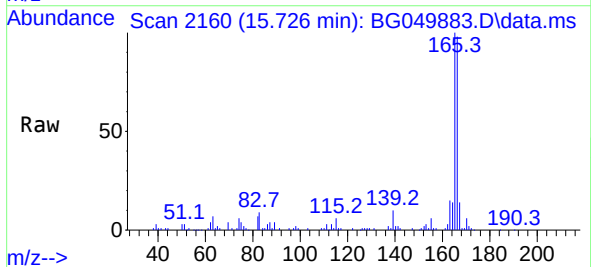
#55
Dibenzofuran
Concen: 4.411 ng
RT: 15.080 min Scan# 2050
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



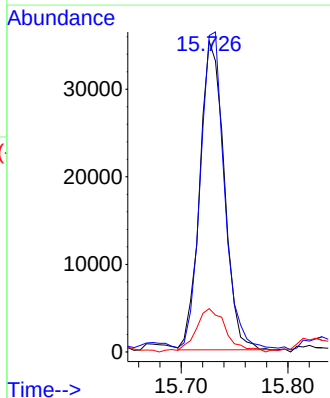
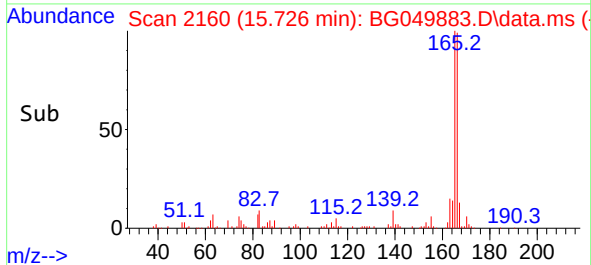
Tgt Ion:168 Resp: 38193
Ion Ratio Lower Upper
168 100
139 50.1 33.4 50.2
169 15.3 12.3 18.5



#58
Fluorene
Concen: 8.004 ng
RT: 15.726 min Scan# 2160
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



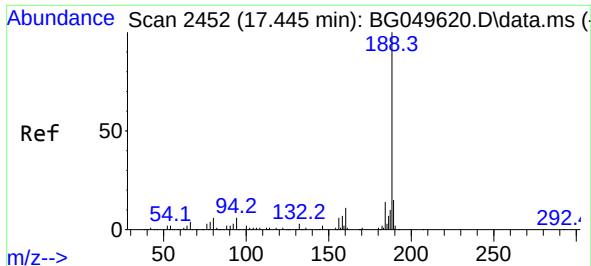
Tgt Ion:166 Resp: 56336
Ion Ratio Lower Upper
166 100
165 101.8 77.7 116.5
167 14.0 10.8 16.2



Instrument :
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ClientSampled :
VNJ-215

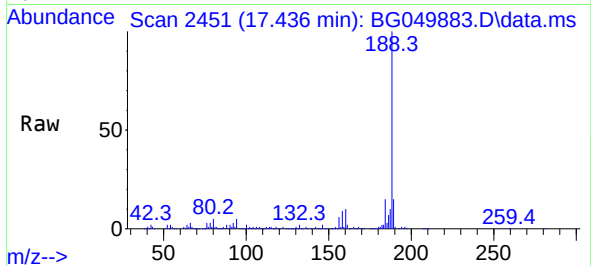
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.436 min Scan# 2451
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

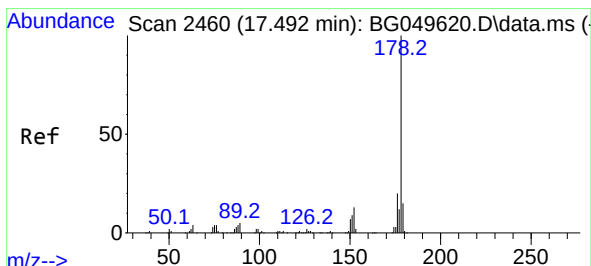
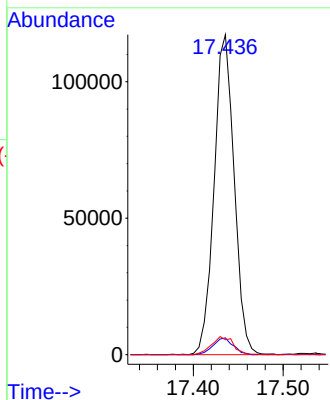
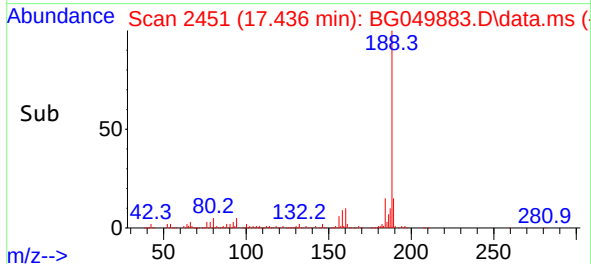
Instrument :
BNA_G
ClientSampled :
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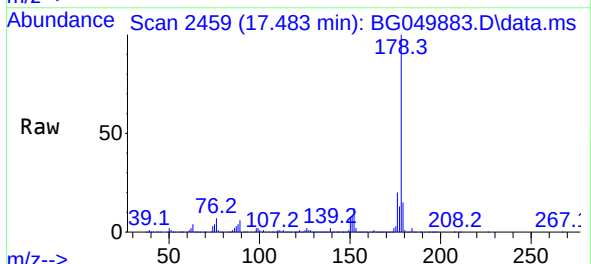
Tgt Ion:188 Resp: 181584
Ion Ratio Lower Upper
188 100
94 5.2 5.4 8.0#
80 4.6 3.7 5.5

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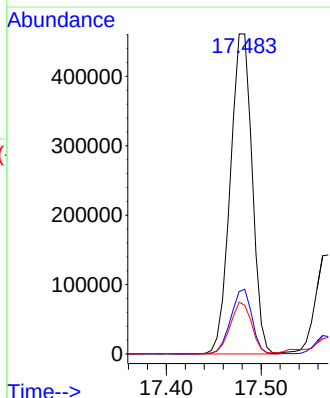
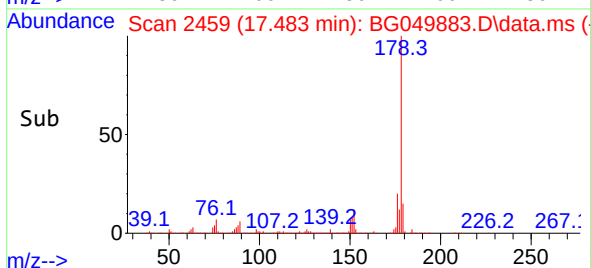
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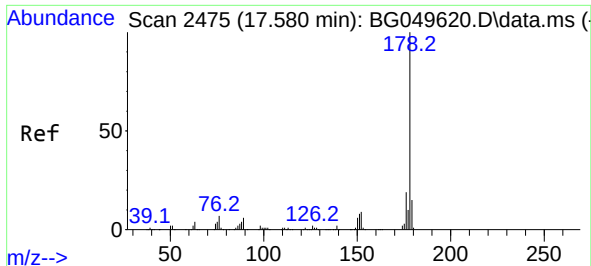


#71
Phenanthrene
Concen: 77.042 ng
RT: 17.483 min Scan# 2459
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



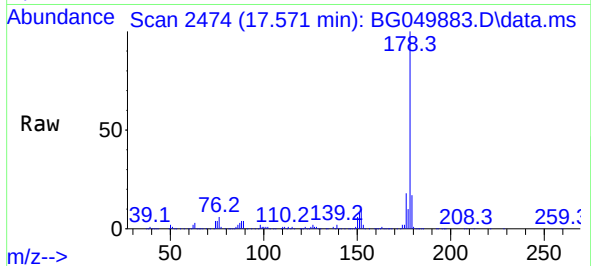
Tgt Ion:178 Resp: 736008
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 15.2 14.2 21.4





#72
 Anthracene
 Concen: 23.085 ng
 RT: 17.571 min Scan# 2474
 Delta R.T. 0.003 min
 Lab File: BG049883.D
 Acq: 17 Aug 2021 18:31

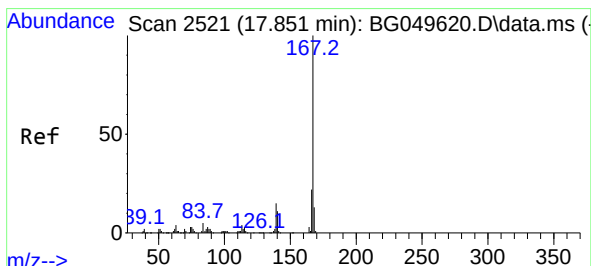
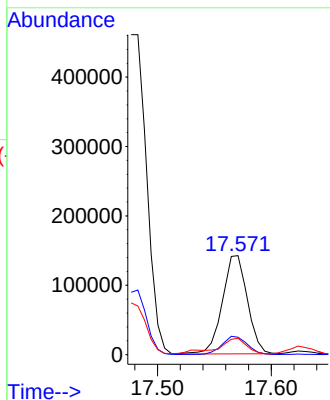
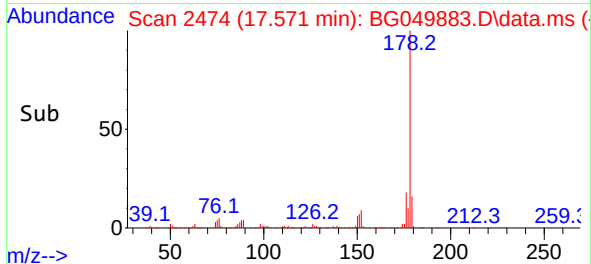
Instrument :
 BNA_G
 ClientSampled :
 VNJ-215



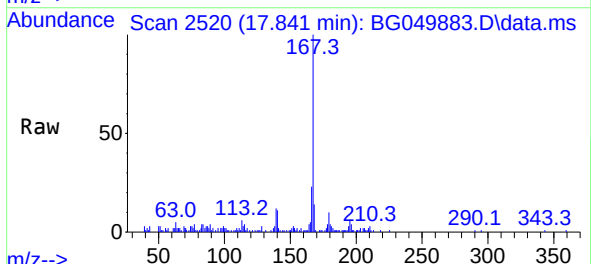
Tgt Ion:178 Resp: 216589
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.6 21.8
 179 16.6 13.4 20.0

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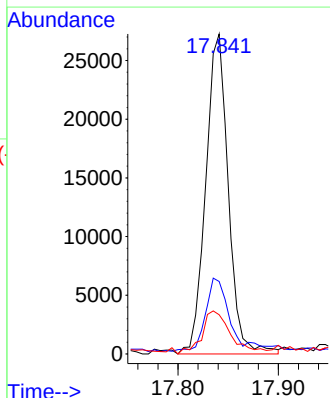
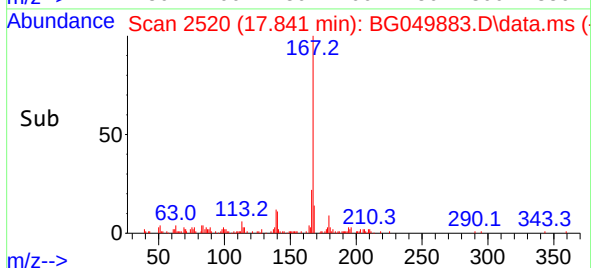
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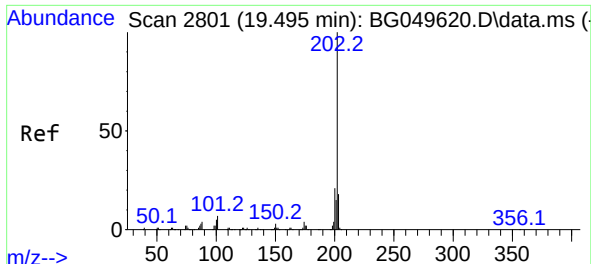


#73
 Carbazole
 Concen: 4.800 ng
 RT: 17.841 min Scan# 2520
 Delta R.T. 0.003 min
 Lab File: BG049883.D
 Acq: 17 Aug 2021 18:31



Tgt Ion:167 Resp: 42656
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.4 26.2
 139 12.3 10.7 16.1





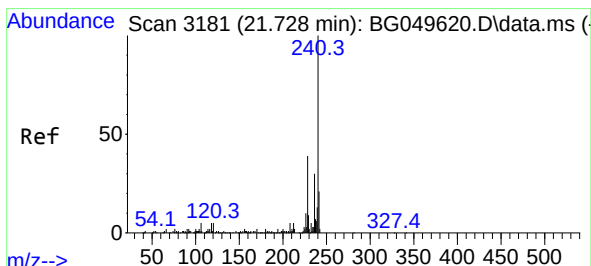
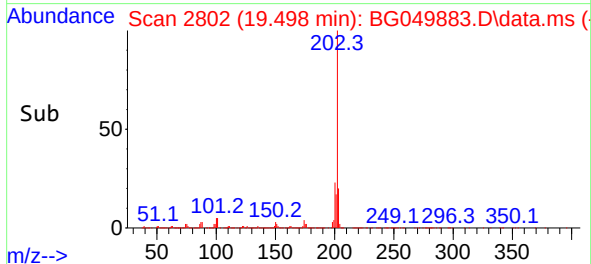
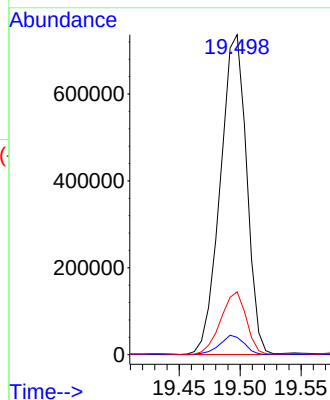
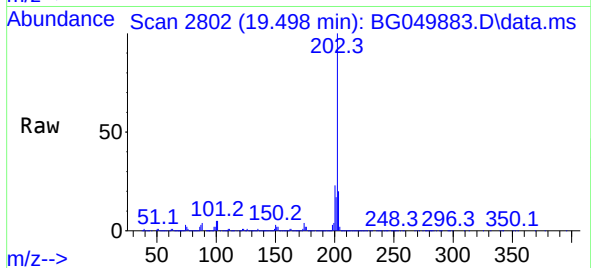
#75
Fluoranthene
Concen: 94.178 ng
RT: 19.498 min Scan# 2802
Delta R.T. 0.009 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:202 Resp: 1107153
Ion Ratio Lower Upper
202 100
101 5.4 0.0 24.7
203 19.7 0.0 38.5

Instrument :
BNA_G
ClientSampled :
VNJ-215

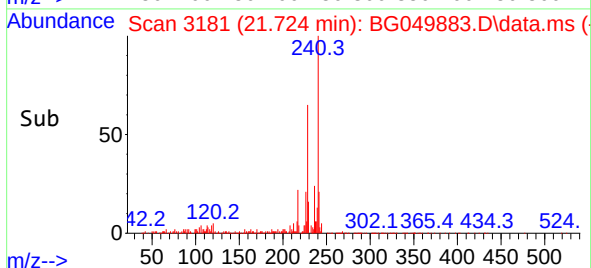
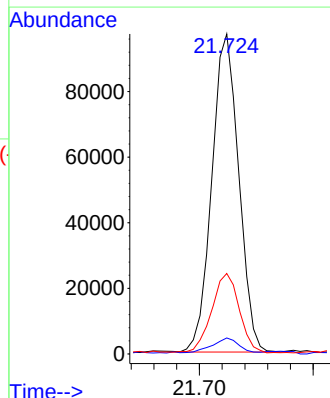
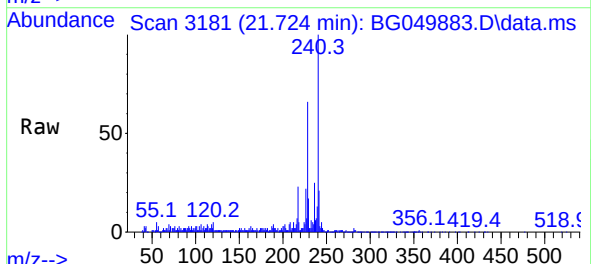
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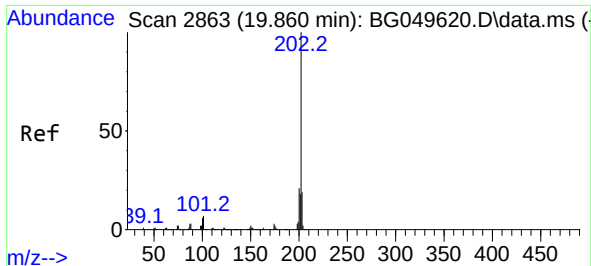
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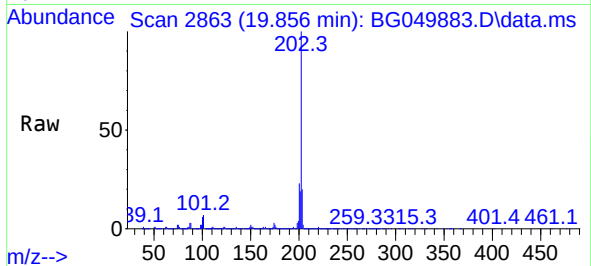
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.724 min Scan# 3181
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:240 Resp: 159185
Ion Ratio Lower Upper
240 100
120 5.0 4.2 6.2
236 25.1 21.8 32.6

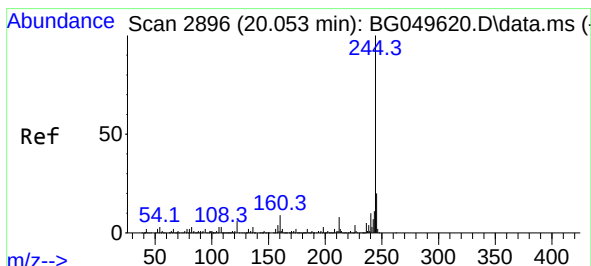
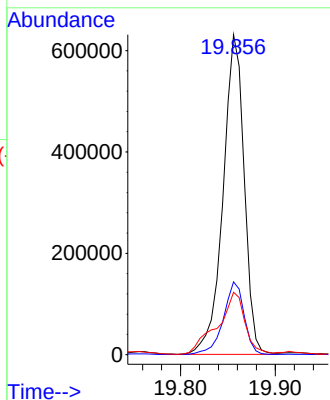
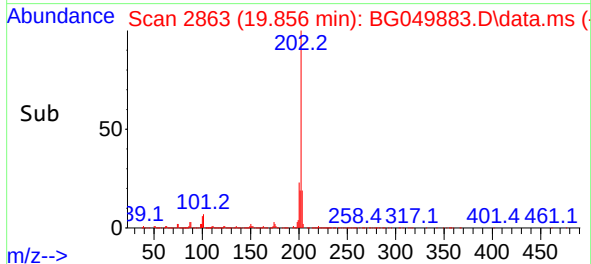




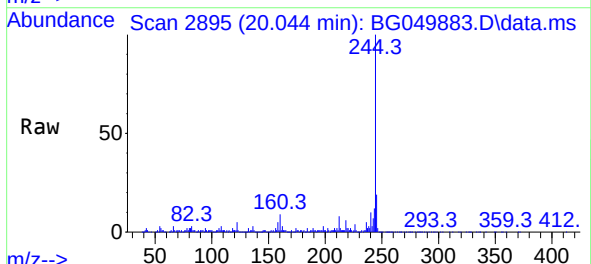
#78
Pyrene
Concen: 90.156 ng
RT: 19.856 min Scan# 2863
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



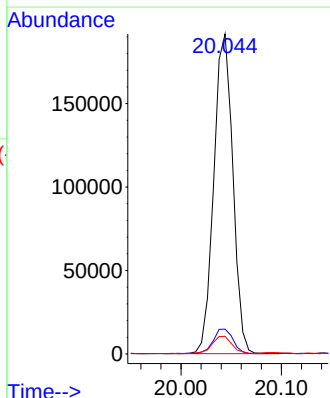
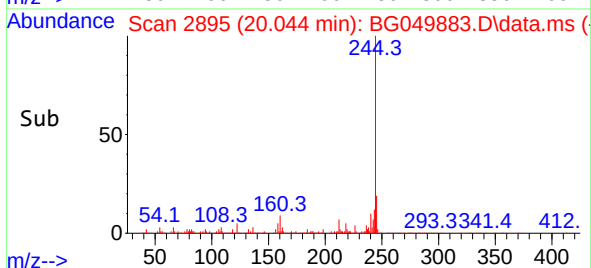
Tgt Ion:202 Resp: 978408
Ion Ratio Lower Upper
202 100
200 22.8 15.8 23.8
203 19.5 14.6 21.8



#79
Terphenyl-d14
Concen: 28.748 ng
RT: 20.044 min Scan# 2895
Delta R.T. -0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



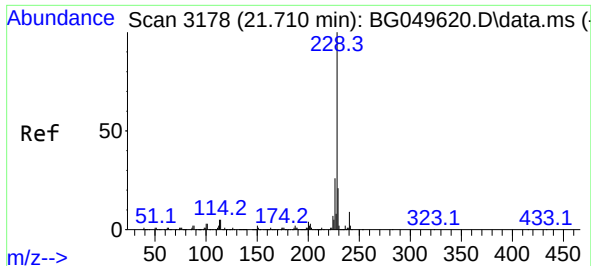
Tgt Ion:244 Resp: 251965
Ion Ratio Lower Upper
244 100
212 7.8 6.9 10.3
122 5.5 5.0 7.6



Instrument :
BNA_G
ClientSampled :
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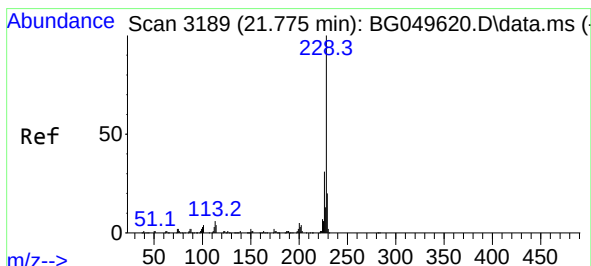
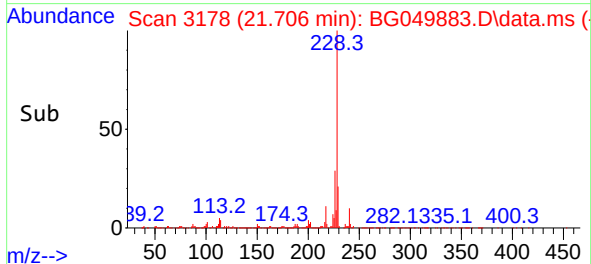
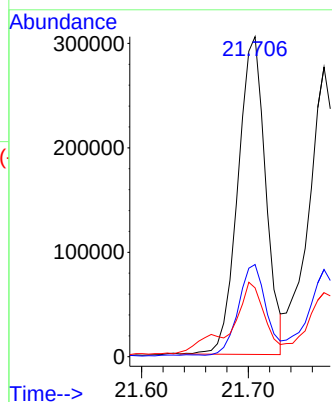
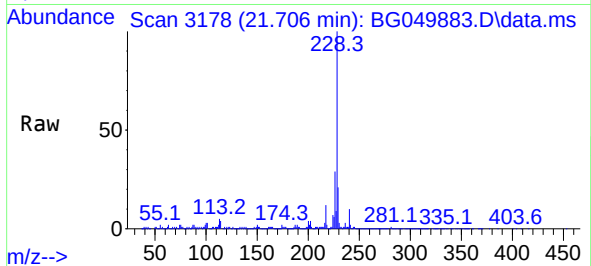
#81
Benzo(a)anthracene
Concen: 52.914 ng
RT: 21.706 min Scan# 3178
Delta R.T. 0.009 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:228 Resp: 548544
Ion Ratio Lower Upper
228 100
226 28.8 22.7 34.1
229 21.5 16.0 24.0

Instrument :
BNA_G
ClientSampled :
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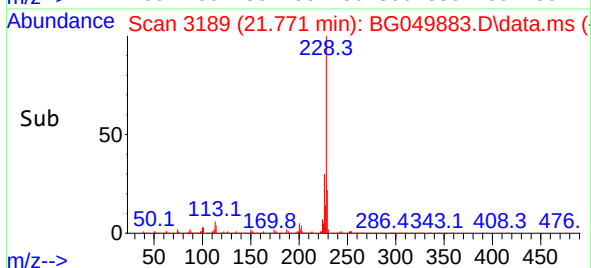
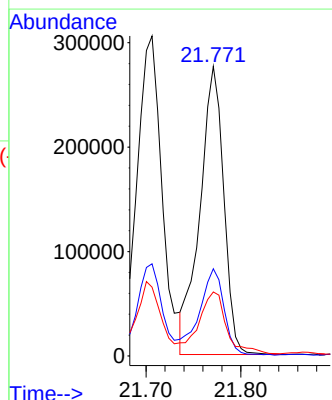
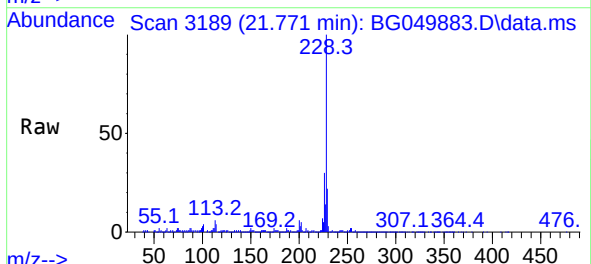
Manual Integrations
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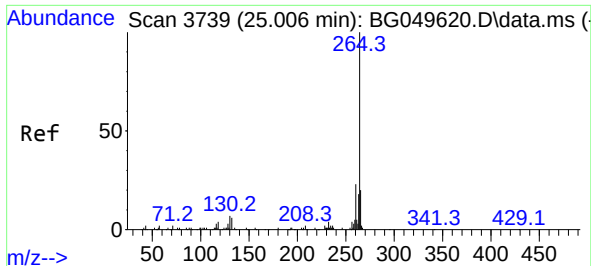
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#83
Chrysene
Concen: 48.687 ng
RT: 21.771 min Scan# 3189
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

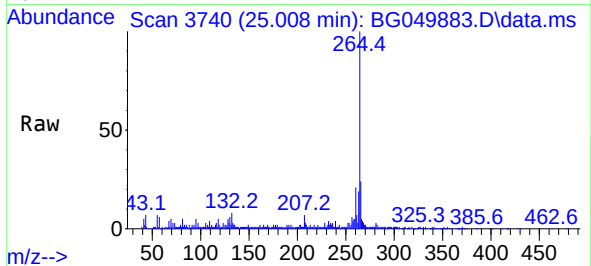
Tgt Ion:228 Resp: 482470
Ion Ratio Lower Upper
228 100
226 30.1 23.1 34.7
229 22.1 15.3 22.9





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.008 min Scan# 3740
Delta R.T. 0.020 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

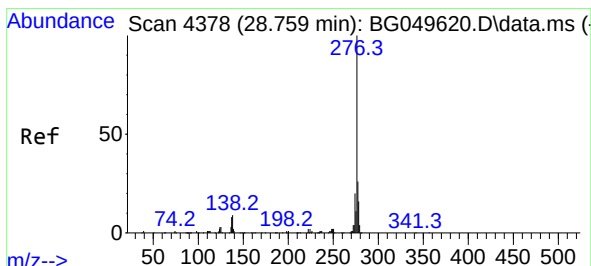
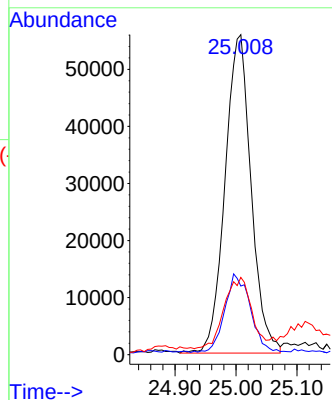
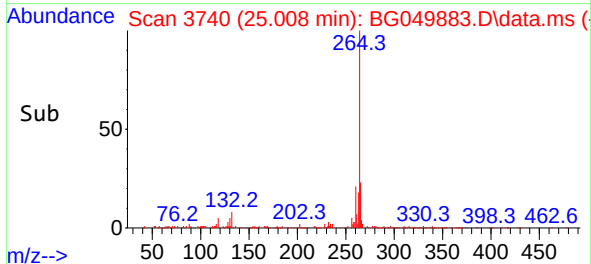
Instrument :
BNA_G
ClientSampled :
VNJ-215



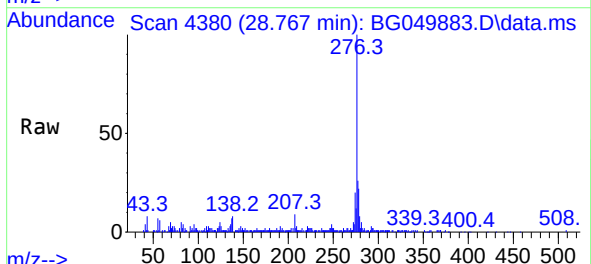
Tgt Ion:264 Resp: 165841
Ion Ratio Lower Upper
264 100
260 21.5 19.4 29.2
265 24.2 16.9 25.3

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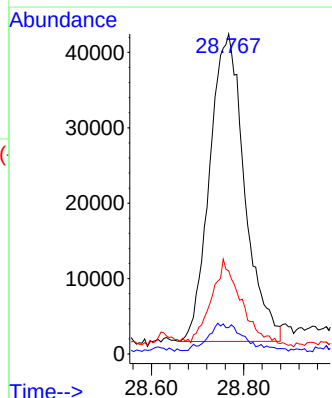
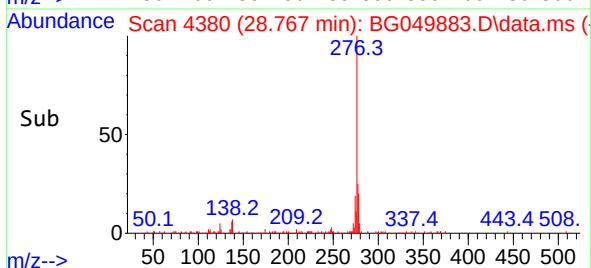
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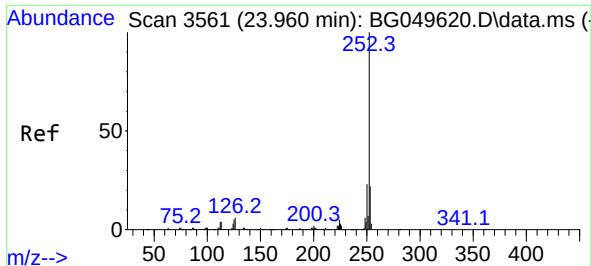


#87
Indeno(1,2,3-cd)pyrene
Concen: 17.888 ng
RT: 28.767 min Scan# 4380
Delta R.T. 0.032 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



Tgt Ion:276 Resp: 213948
Ion Ratio Lower Upper
276 100
138 0.0 5.1 7.7#
277 25.5 19.8 29.6





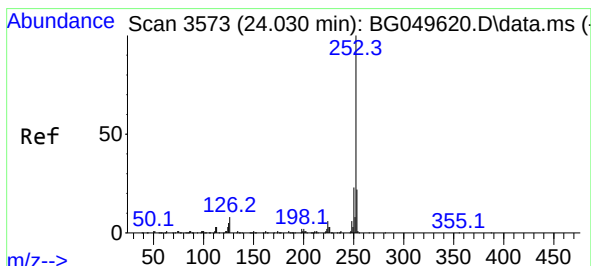
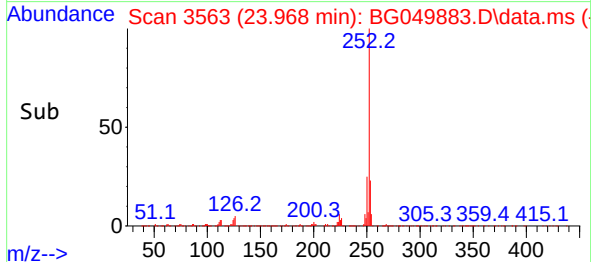
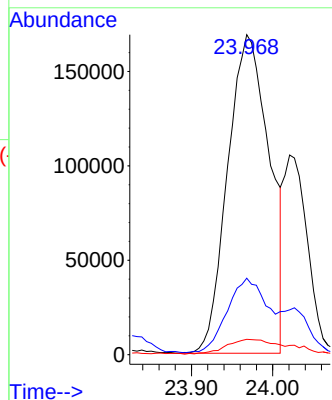
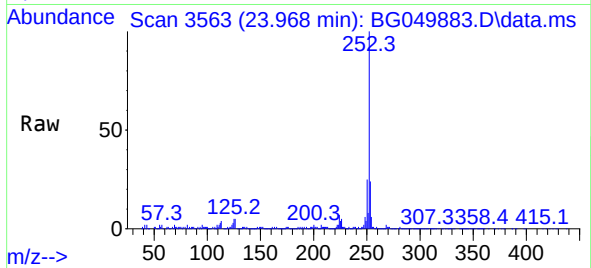
#88
Benzo(b)fluoranthene
Concen: 55.411 ng
RT: 23.968 min Scan# 3563
Delta R.T. 0.015 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:252 Resp: 602685
Ion Ratio Lower Upper
252 100
253 23.9 16.2 24.4
125 4.8 3.0 4.4#

Instrument :
BNA_G
ClientSampled :
VNJ-215

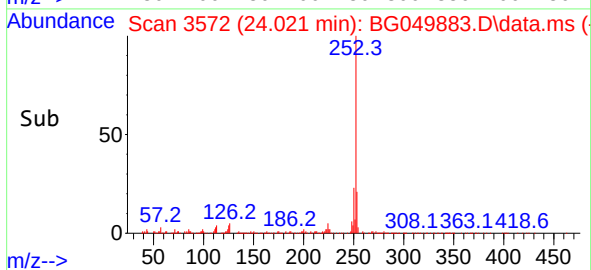
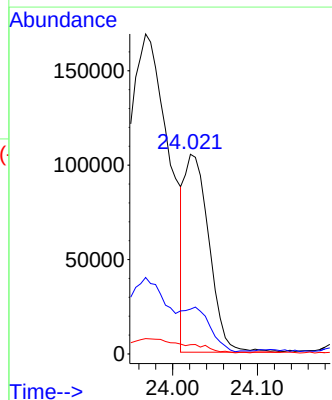
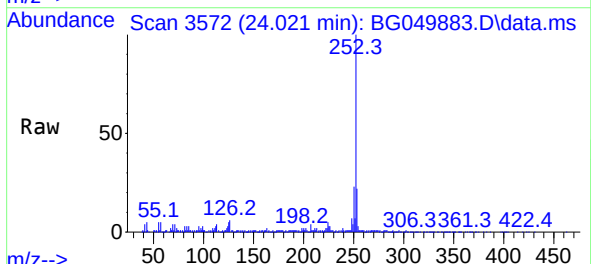
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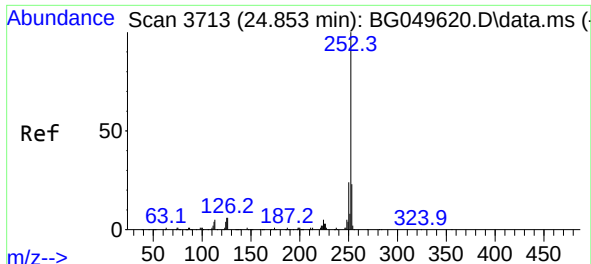
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#89
Benzo(k)fluoranthene
Concen: 20.827 ng m
RT: 24.021 min Scan# 3572
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:252 Resp: 211297
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 4.7 3.1 4.7





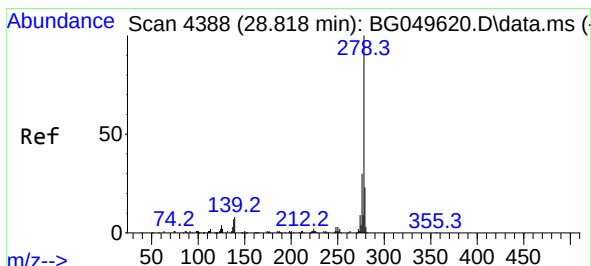
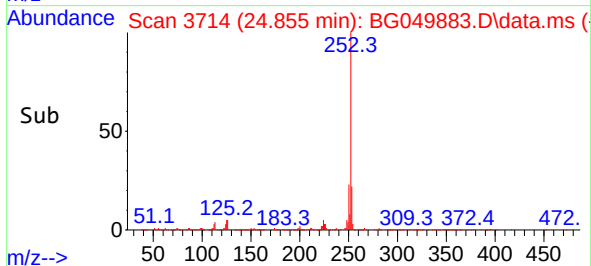
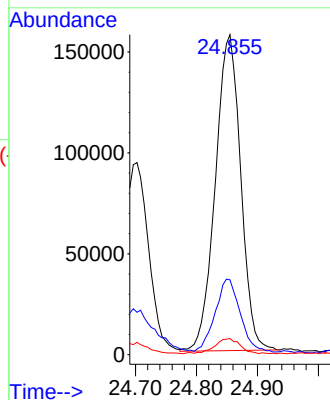
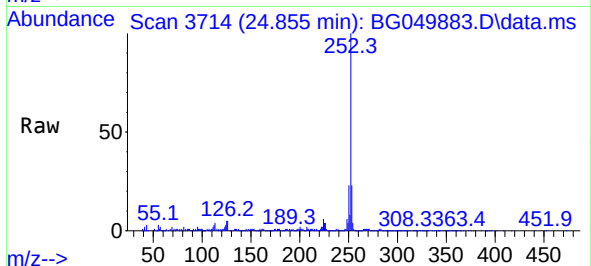
#90
Benzo(a)pyrene
Concen: 46.017 ng
RT: 24.855 min Scan# 3714
Delta R.T. 0.015 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:	252	Resp:	452954
Ion Ratio	Lower	Upper	
252	100		
253	23.4	16.6	25.0
125	5.1	3.5	5.3

Instrument :
BNA_G
ClientSampled :
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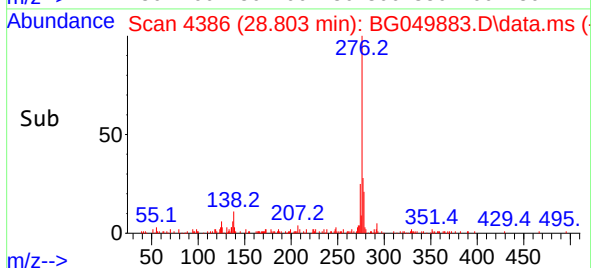
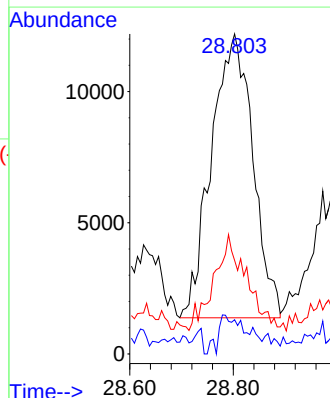
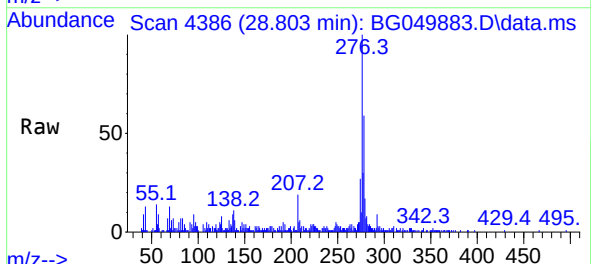
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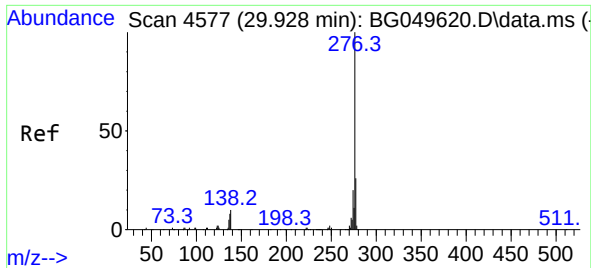
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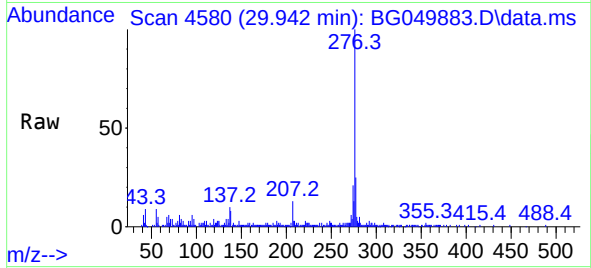
#91
Dibenzo(a,h)anthracene
Concen: 5.959 ng
RT: 28.803 min Scan# 4386
Delta R.T. 0.003 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31

Tgt Ion:	278	Resp:	60053
Ion Ratio	Lower	Upper	
278	100		
139	10.7	4.6	6.8#
279	29.3	17.9	26.9#

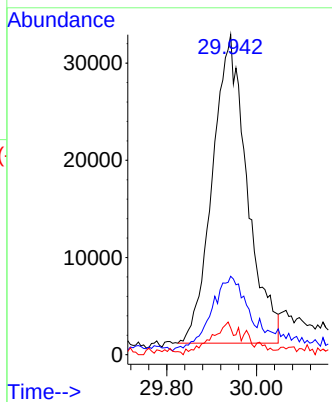
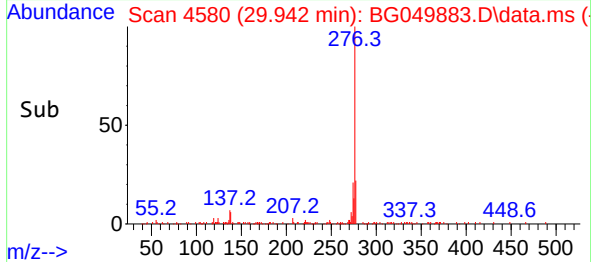




#92
Benzo(g,h,i)perylene
Concen: 17.205 ng
RT: 29.942 min Scan# 4580
Delta R.T. 0.026 min
Lab File: BG049883.D
Acq: 17 Aug 2021 18:31



Tgt Ion: 276 Resp: 169880
Ion Ratio Lower Upper
276 100
277 24.5 18.4 27.6
138 8.4 7.0 10.6



Instrument :
BNA_G
ClientSampleId :
VNJ-215

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