

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081621\
 Data File : BG049867.D
 Acq On : 17 Aug 2021 2:39
 Operator : CG/JU
 Sample : M3407-20 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 28N

Manual Integrations
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Quant Time: Aug 17 04:45:06 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	8.032	152	38682	20.000	ng	0.00
21) Naphthalene-d8	10.851	136	154530	20.000	ng	# 0.00
39) Acenaphthene-d10	14.681	164	96217	20.000	ng	0.00
64) Phenanthrene-d10	17.442	188	174327	20.000	ng	# 0.00
76) Chrysene-d12	21.737	240	152410	20.000	ng	0.02
86) Perylene-d12	25.026	264	160904	20.000	ng	# 0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.588	112	82998	38.463	ng	0.00
7) Phenol-d6	7.197	99	116575	35.689	ng	0.00
23) Nitrobenzene-d5	9.201	82	86601	24.799	ng	0.00
42) 2,4,6-Tribromophenol	16.179	330	51438	36.371	ng	0.00
45) 2-Fluorobiphenyl	13.301	172	178683	27.022	ng	0.00
79) Terphenyl-d14	20.045	244	203052	24.197	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.898	128	28412	3.511	ng	98
37) 2-Methylnaphthalene	12.514	142	15165	2.487	ng	95
38) 1-Methylnaphthalene	12.731	142	14618m	2.551	ng	
49) Acenaphthylene	14.405	152	37579	4.332	ng	94
52) Acenaphthene	14.746	154	49310	9.436	ng	95
55) Dibenzofuran	15.081	168	84359	9.951	ng	97
58) Fluorene	15.733	166	104664	15.189	ng	93
71) Phenanthrene	17.489	178	1410299	153.768	ng	98
72) Anthracene	17.572	178	340358	37.786	ng	99
73) Carbazole	17.842	167	107323	12.580	ng	95
75) Fluoranthene	19.504	202	2095143	185.639	ng	94
78) Pyrene	19.869	202	1724774	165.995	ng	# 92
81) Benzo(a)anthracene	21.713	228	941912	94.898	ng	97
83) Chrysene	21.784	228	762326m	80.347	ng	
87) Indeno(1,2,3-cd)pyrene	28.809	276	455062	39.216	ng	# 98
88) Benzo(b)fluoranthene	23.992	252	1098848	104.127	ng	# 93
89) Benzo(k)fluoranthene	24.045	252	330365m	33.562	ng	
90) Benzo(a)pyrene	24.885	252	783016	81.989	ng	# 91
91) Dibenzo(a,h)anthracene	28.851	278	115430	11.805	ng	# 81
92) Benzo(g,h,i)perylene	30.008	276	428257	44.703	ng	96

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

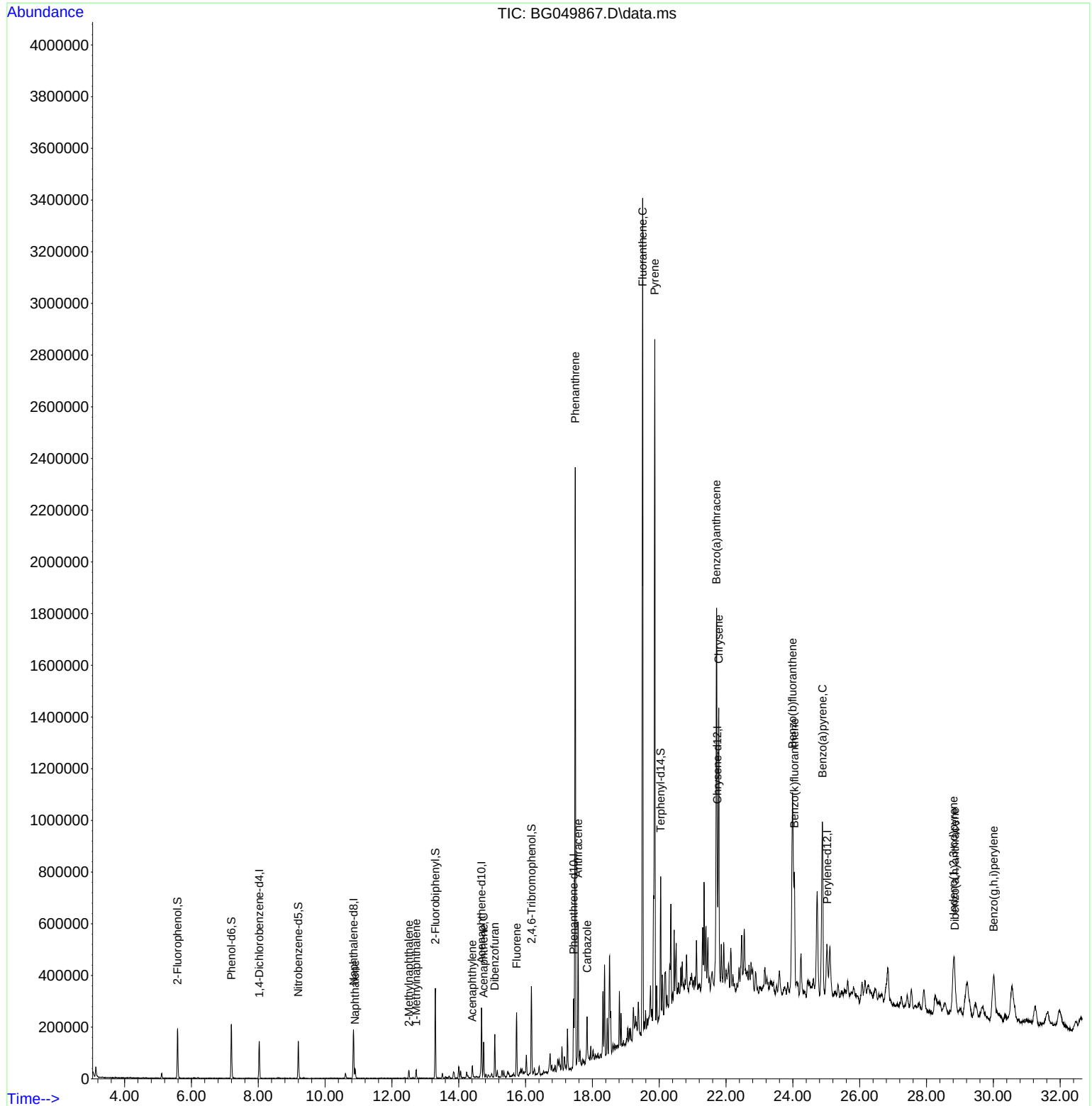
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Data File : BG049867.D
Acq On : 17 Aug 2021 2:39
Operator : CG/JU
Sample : M3407-20 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

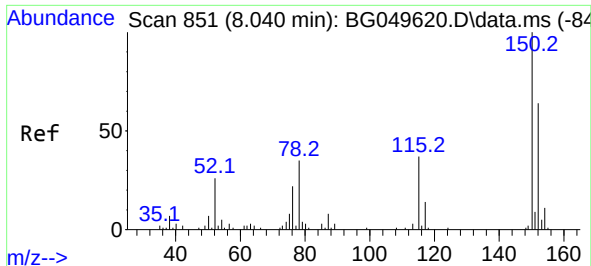
Instrument :
BNA_G
ClientSampled :
28N

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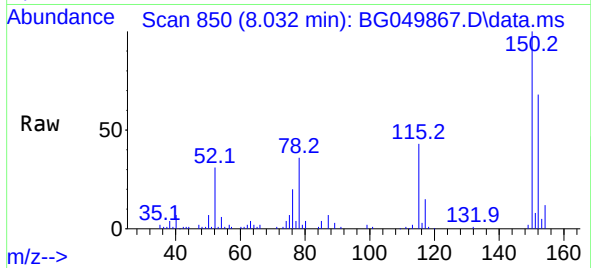
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Quant Time: Aug 17 04:45:06 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG080321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 16 18:23:02 2021
Response via : Initial Calibration

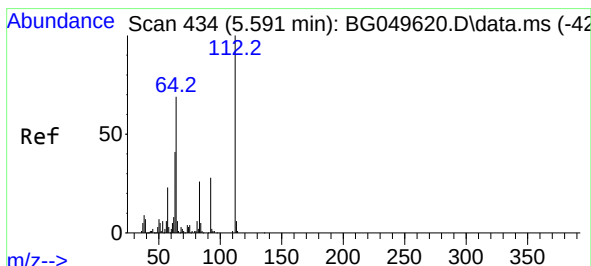
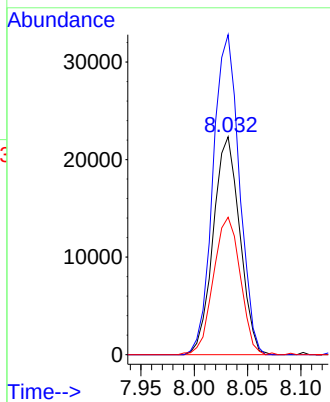
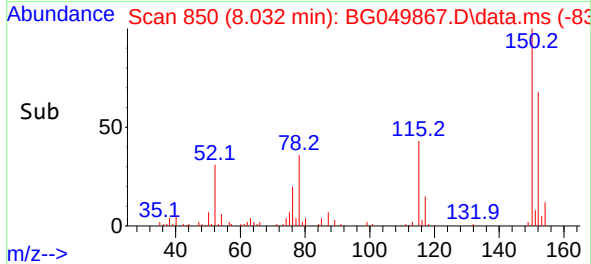




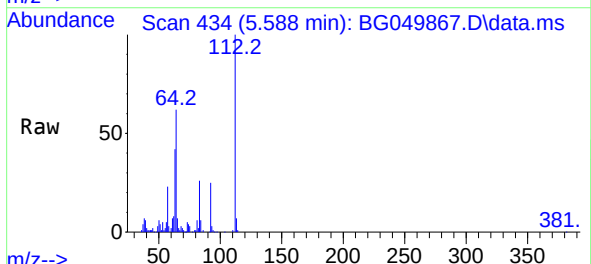
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.032 min Scan# 850
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



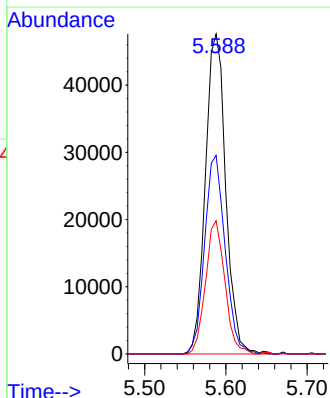
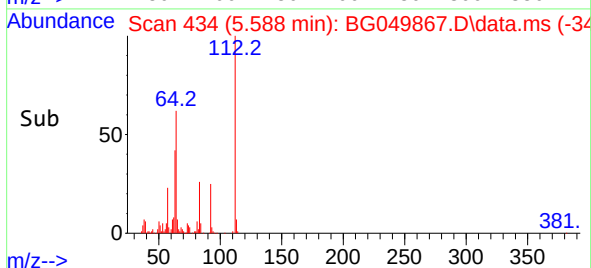
Tgt Ion:152 Resp: 38682
Ion Ratio Lower Upper
152 100
150 146.8 119.4 179.0
115 63.1 60.2 90.4



#5
2-Fluorophenol
Concen: 38.463 ng
RT: 5.588 min Scan# 434
Delta R.T. 0.010 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



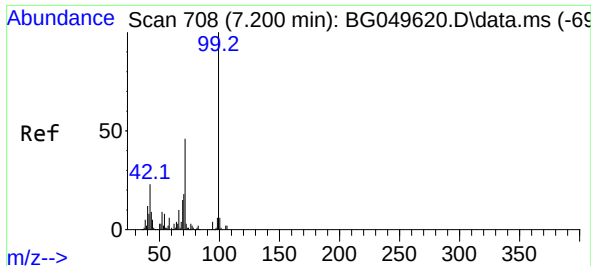
Tgt Ion:112 Resp: 82998
Ion Ratio Lower Upper
112 100
64 62.1 46.7 70.1
63 41.6 35.3 52.9



Instrument :
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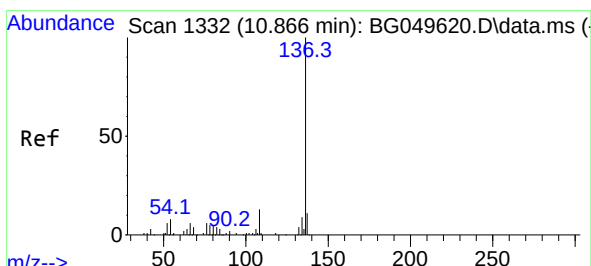
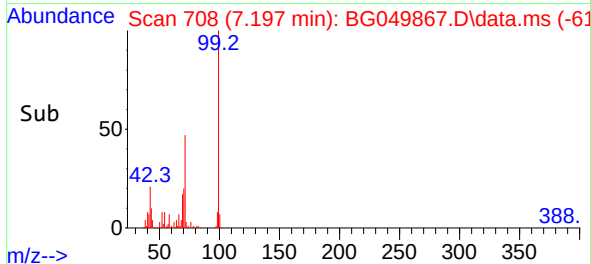
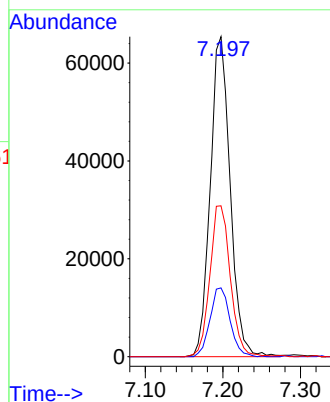
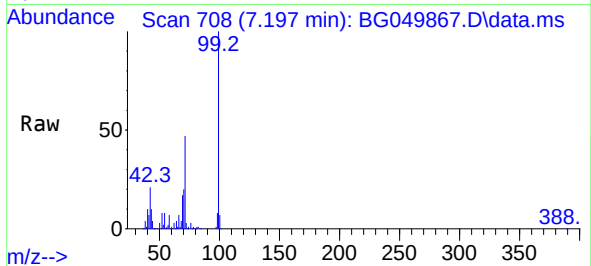
#7
Phenol-d6
Concen: 35.689 ng
RT: 7.197 min Scan# 708
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:	99	Resp:	116575
Ion	Ratio	Lower	Upper
99	100		
42	21.5	20.5	30.7
71	47.2	41.5	62.3

Instrument :
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ClientSampled :
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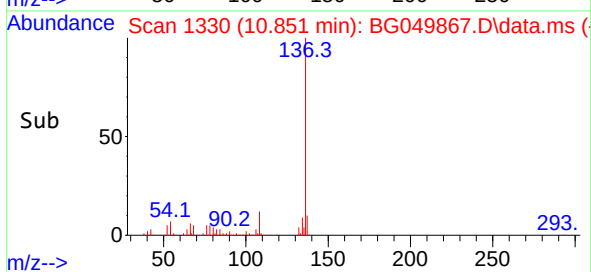
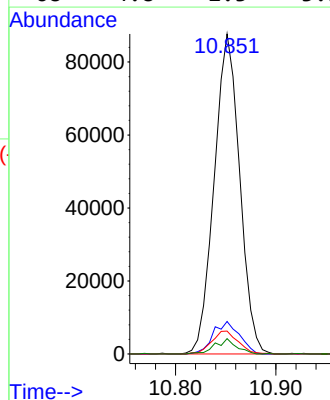
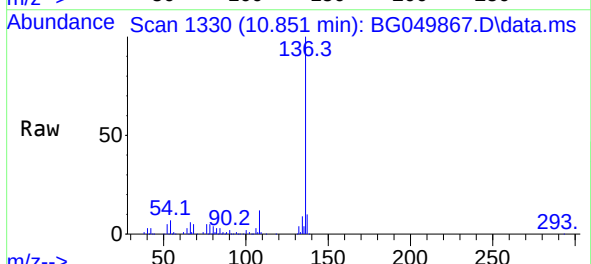
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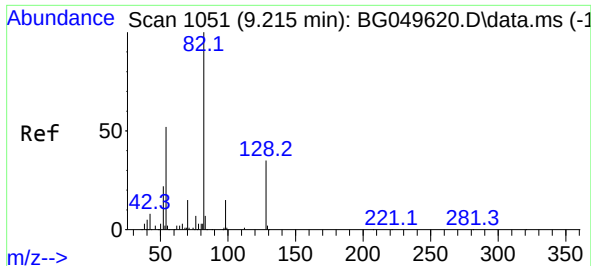
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.851 min Scan# 1330
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:	136	Resp:	154530
Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.2	12.2
54	7.2	5.5	8.3
68	4.8	2.3	3.5





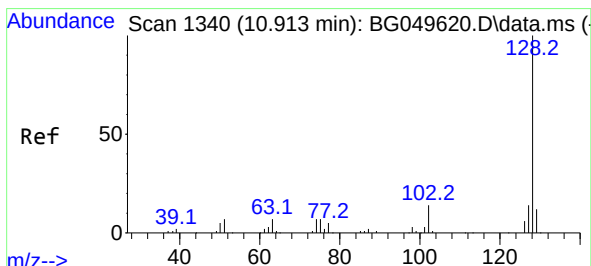
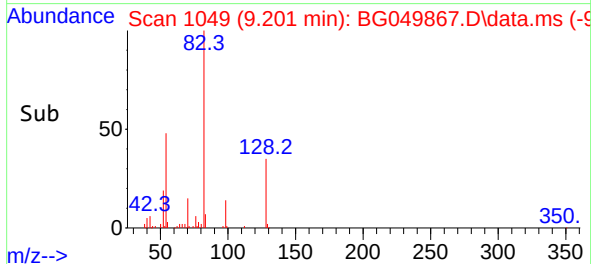
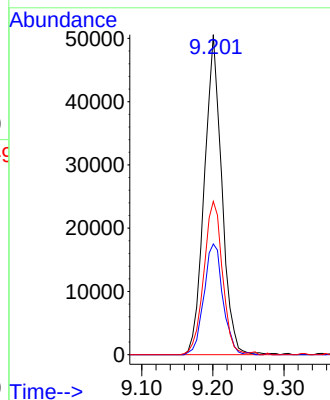
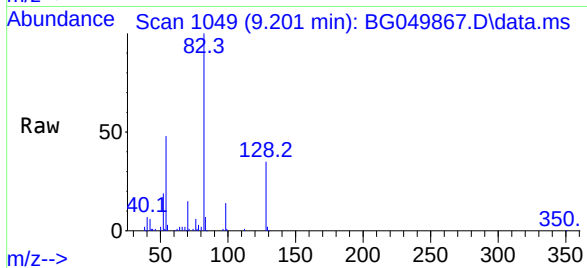
#23
Nitrobenzene-d5
Concen: 24.799 ng
RT: 9.201 min Scan# 1049
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:	82	Resp:	86601
Ion	Ratio	Lower	Upper
82	100		
128	34.6	29.8	44.6
54	47.9	45.8	68.8

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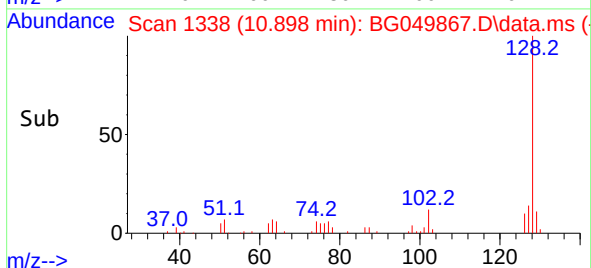
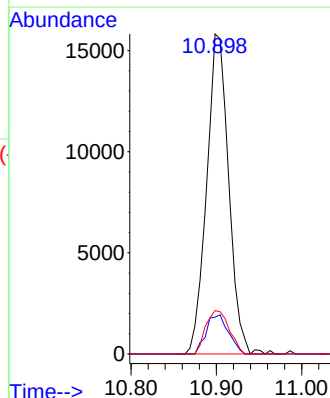
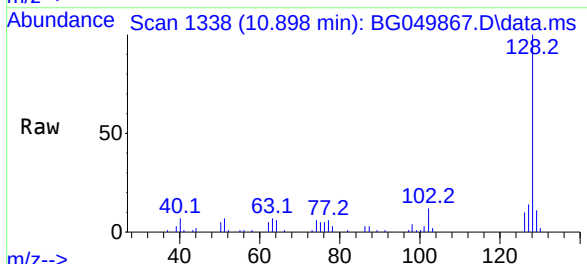
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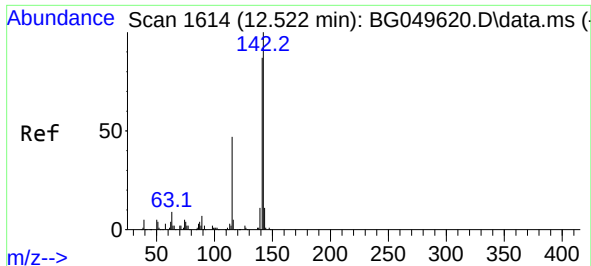
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#31
Naphthalene
Concen: 3.511 ng
RT: 10.898 min Scan# 1338
Delta R.T. -0.002 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:	128	Resp:	28412
Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.5	12.7
127	13.6	10.2	15.4





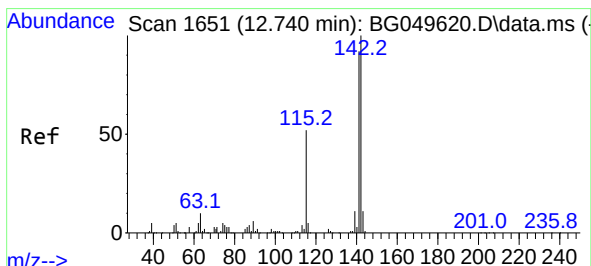
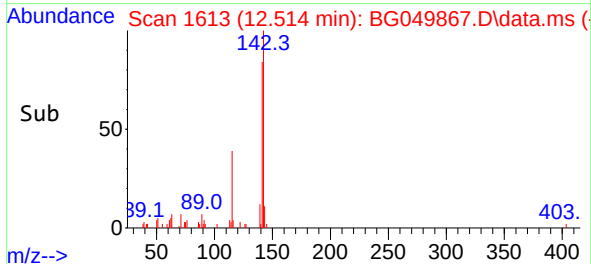
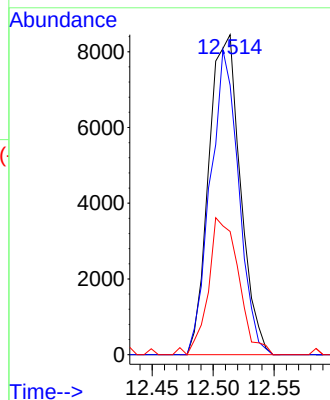
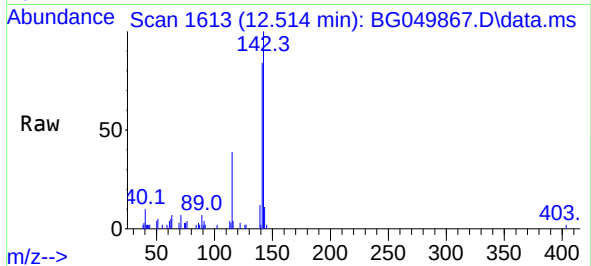
#37
2-Methylnaphthalene
Concen: 2.487 ng
RT: 12.514 min Scan# 1613
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:	142	Resp:	15165
Ion Ratio	Lower	Upper	
142	100		
141	84.2	68.8	103.2
115	38.5	36.4	54.6

Instrument :
BNA_G
ClientSampled :
28N

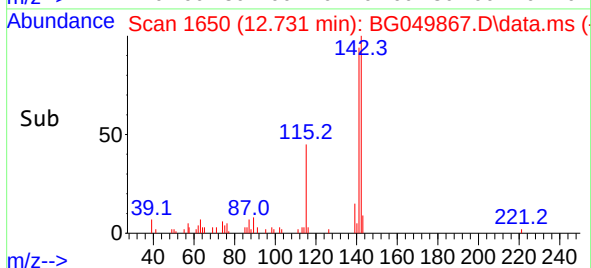
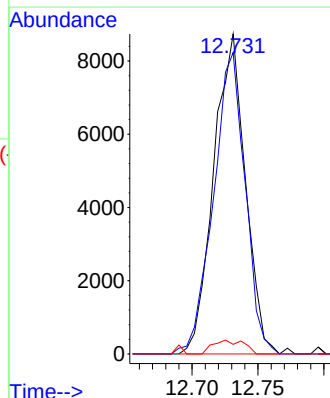
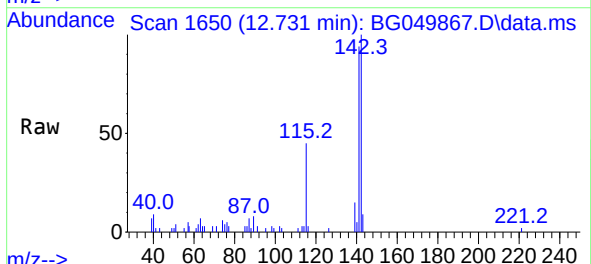
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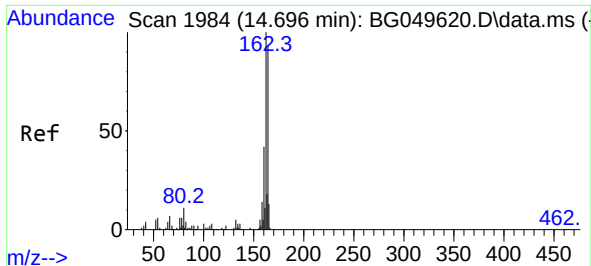
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#38
1-Methylnaphthalene
Concen: 2.551 ng m
RT: 12.731 min Scan# 1650
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

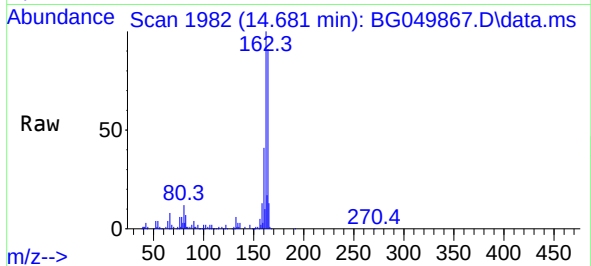
Tgt Ion:	142	Resp:	14618
Ion Ratio	Lower	Upper	
142	100		
141	94.2	70.6	106.0
116	3.0	4.0	6.0#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.681 min Scan# 1982
Delta R.T. -0.002 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

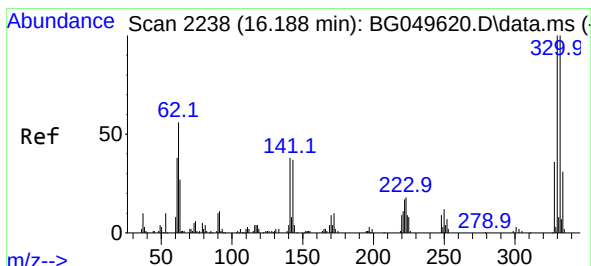
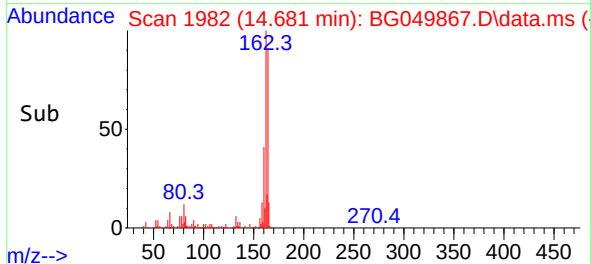
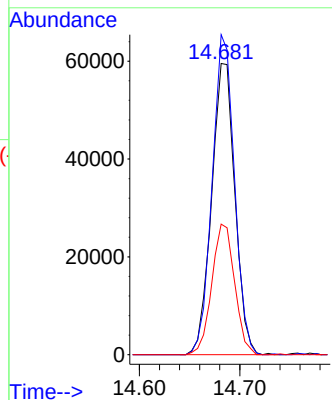
Instrument :
BNA_G
ClientSampleId :
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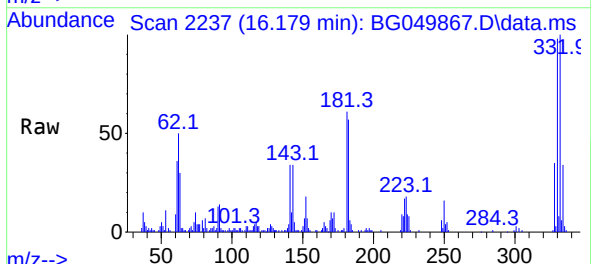
Tgt Ion:164 Resp: 96217
Ion Ratio Lower Upper
164 100
162 109.9 81.4 122.0
160 44.8 34.9 52.3

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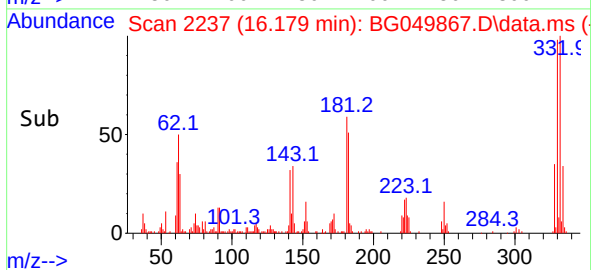
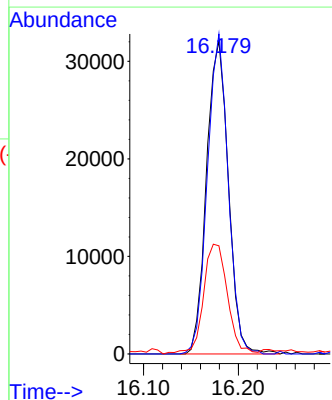
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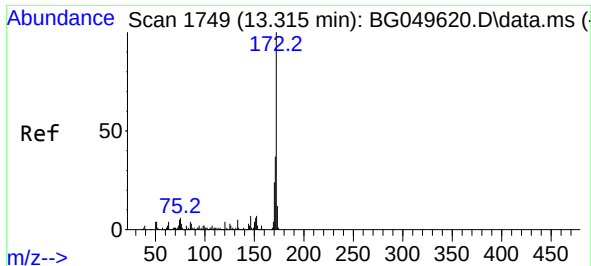


#42
2,4,6-Tribromophenol
Concen: 36.371 ng
RT: 16.179 min Scan# 2237
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

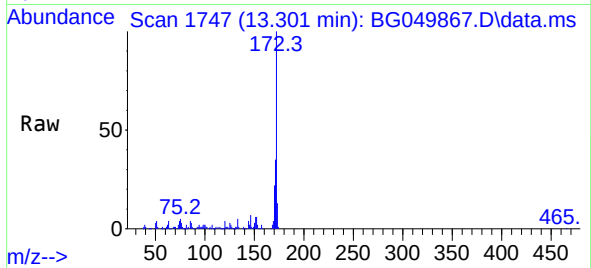


Tgt Ion:330 Resp: 51438
Ion Ratio Lower Upper
330 100
332 97.3 77.3 115.9
141 38.2 35.6 53.4

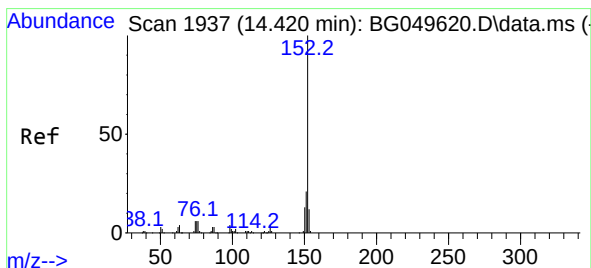
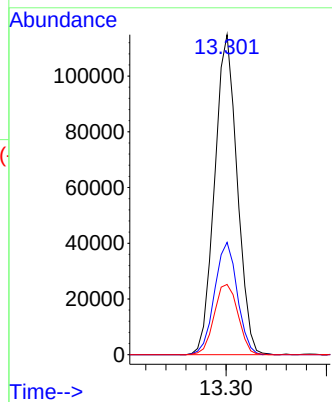
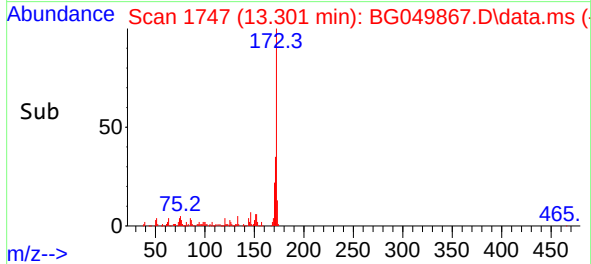




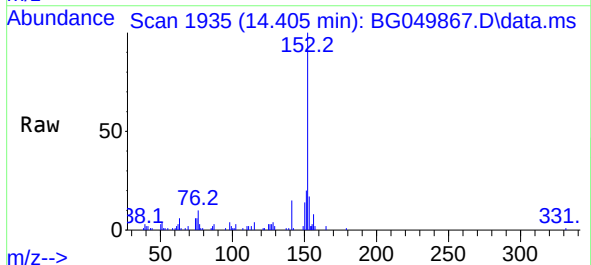
#45
2-Fluorobiphenyl
Concen: 27.022 ng
RT: 13.301 min Scan# 1747
Delta R.T. -0.002 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



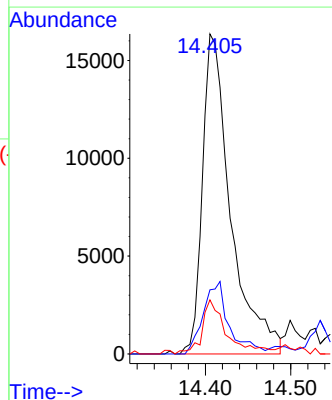
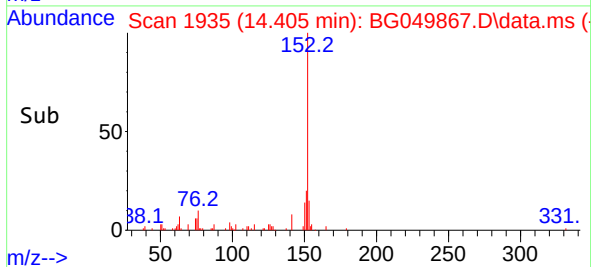
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Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 22.0 18.6 27.8



#49
Acenaphthylene
Concen: 4.332 ng
RT: 14.405 min Scan# 1935
Delta R.T. -0.002 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



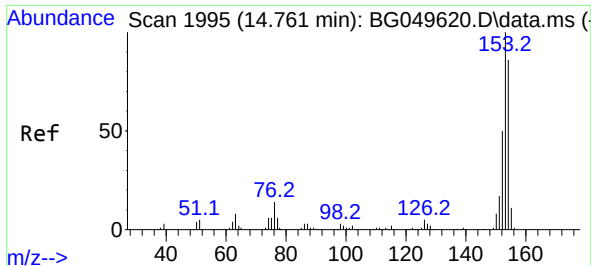
Tgt Ion:152 Resp: 37579
Ion Ratio Lower Upper
152 100
151 20.0 18.2 27.4
153 16.9 11.7 17.5



Instrument :
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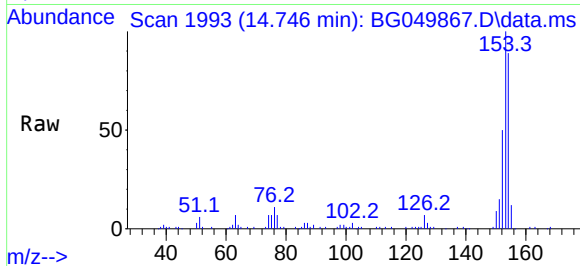
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#52
Acenaphthene
Concen: 9.436 ng
RT: 14.746 min Scan# 1993
Delta R.T. -0.002 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

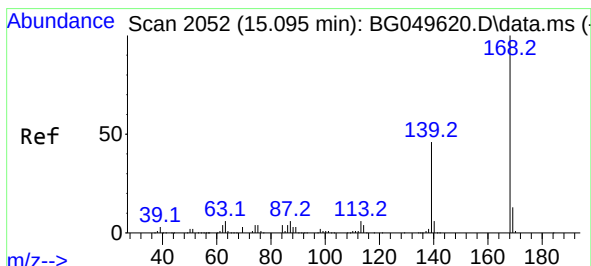
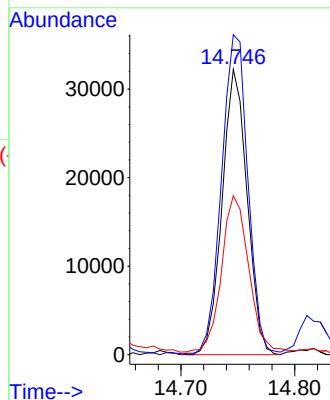
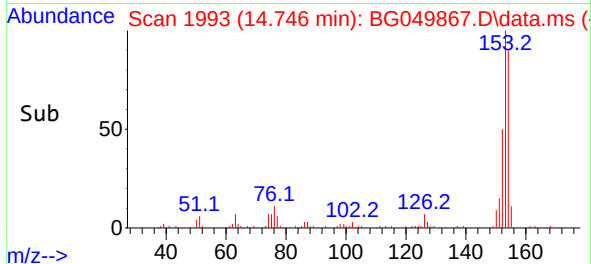
Instrument :
BNA_G
ClientSampleId :
28N



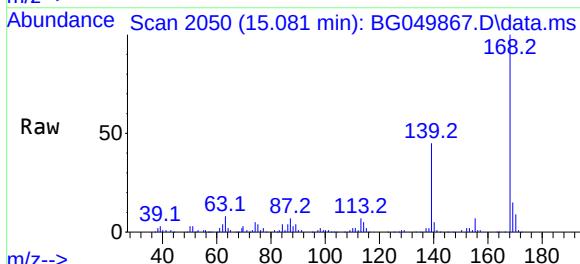
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Ion Ratio Lower Upper
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153 112.2 87.0 130.4
152 55.7 40.1 60.1

Manual Integrations
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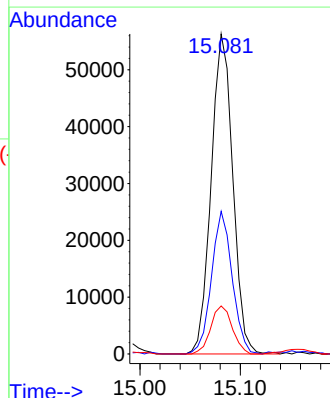
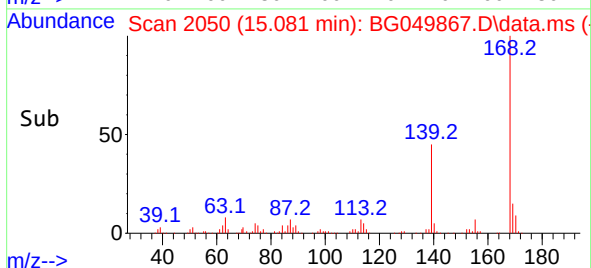
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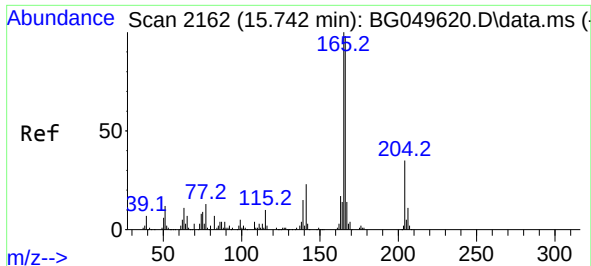


#55
Dibenzofuran
Concen: 9.951 ng
RT: 15.081 min Scan# 2050
Delta R.T. -0.002 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



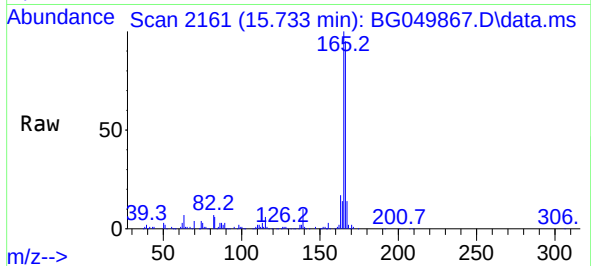
Tgt Ion:168 Resp: 84359
Ion Ratio Lower Upper
168 100
139 44.5 33.4 50.2
169 15.0 12.3 18.5





#58
Fluorene
Concen: 15.189 ng
RT: 15.733 min Scan# 2161
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

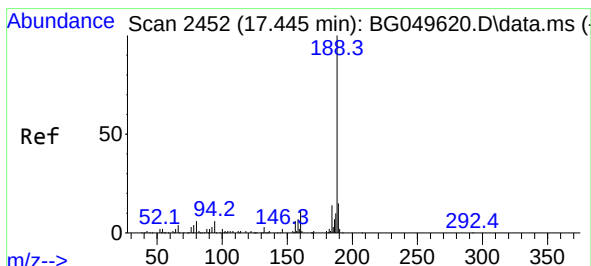
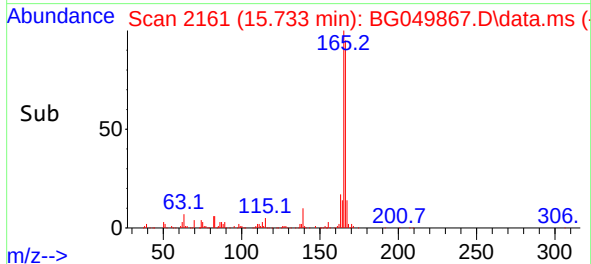
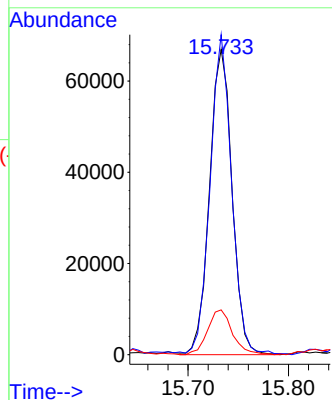
Instrument :
BNA_G
ClientSampleId :
28N



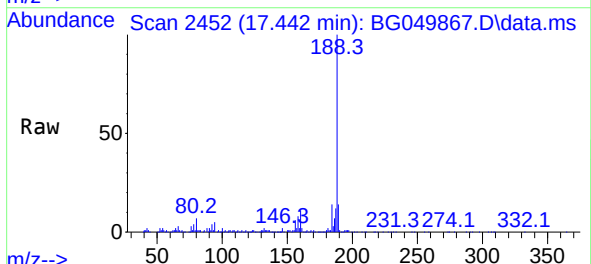
Tgt Ion:166 Resp: 104664
Ion Ratio Lower Upper
166 100
165 104.8 77.7 116.5
167 14.6 10.8 16.2

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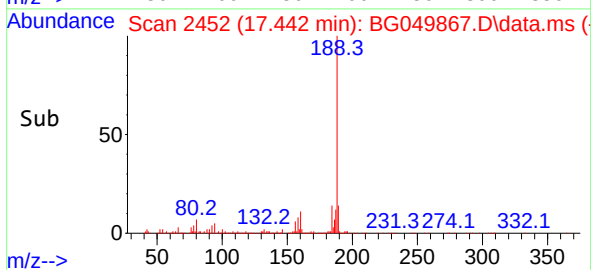
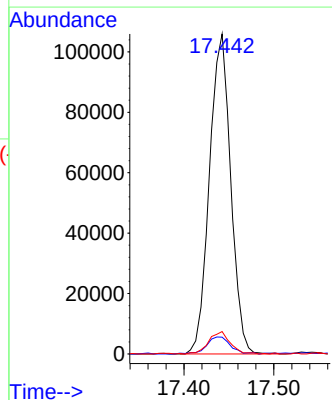
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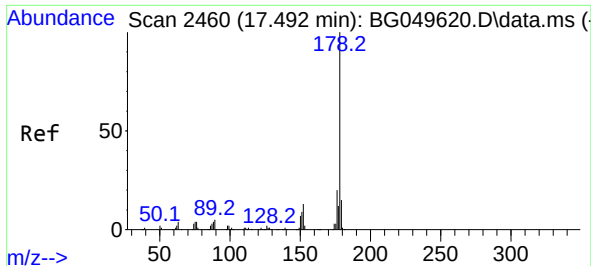


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.442 min Scan# 2452
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



Tgt Ion:188 Resp: 174327
Ion Ratio Lower Upper
188 100
94 5.2 5.4 8.0#
80 7.0 3.7 5.5#





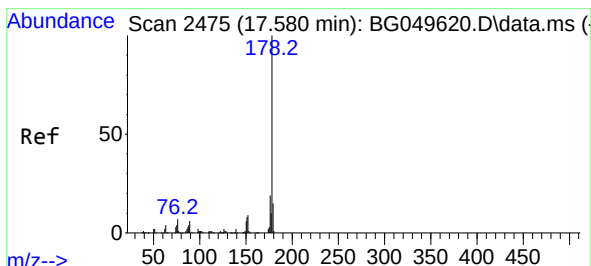
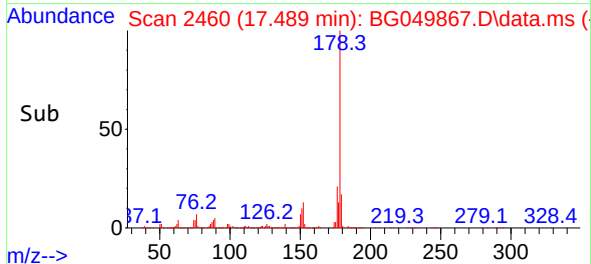
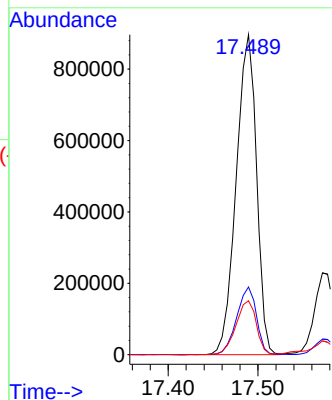
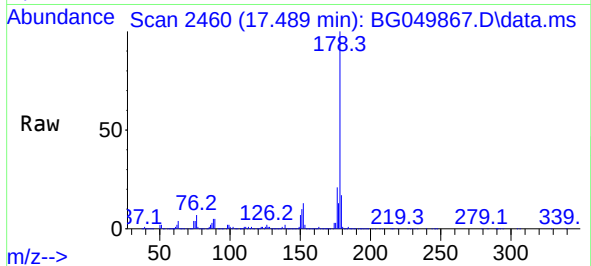
#71
Phenanthrene
Concen: 153.768 ng
RT: 17.489 min Scan# 2460
Delta R.T. 0.010 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:178 Resp: 1410299
Ion Ratio Lower Upper
178 100
176 21.2 16.0 24.0
179 16.9 14.2 21.4

Instrument :
BNA_G
ClientSampled :
28N

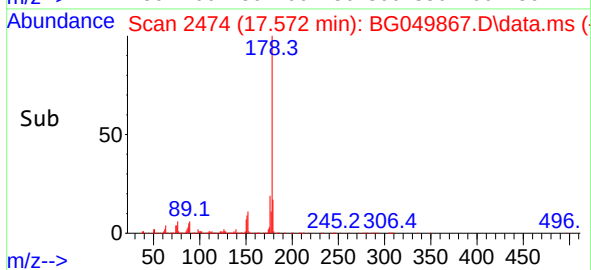
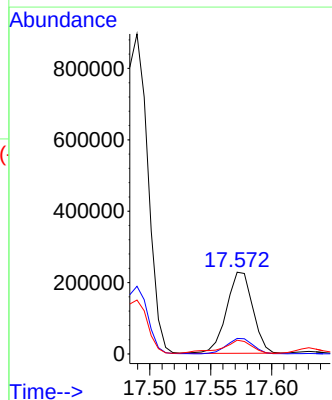
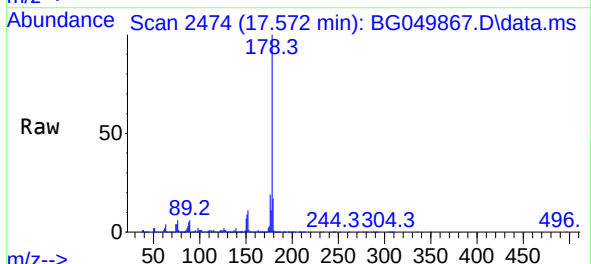
Manual Integrations
APPROVED

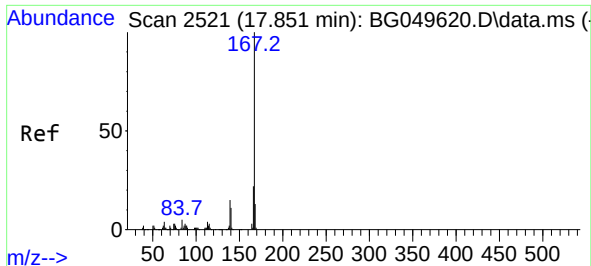
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#72
Anthracene
Concen: 37.786 ng
RT: 17.572 min Scan# 2474
Delta R.T. 0.004 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:178 Resp: 340358
Ion Ratio Lower Upper
178 100
176 19.0 14.6 21.8
179 16.8 13.4 20.0





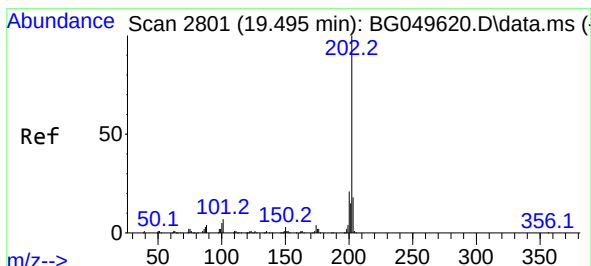
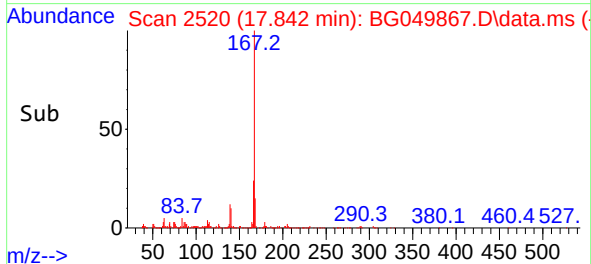
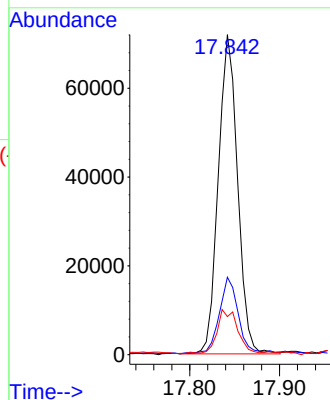
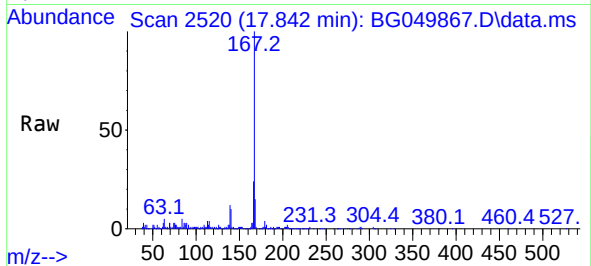
#73
 Carbazole
 Concen: 12.580 ng
 RT: 17.842 min Scan# 2520
 Delta R.T. 0.004 min
 Lab File: BG049867.D
 Acq: 17 Aug 2021 2:39

Tgt Ion:	167	Resp:	107323
Ion Ratio	Lower	Upper	
167	100		
166	24.2	17.4	26.2
139	11.9	10.7	16.1

Instrument :
 BNA_G
 ClientSampled :
 28N

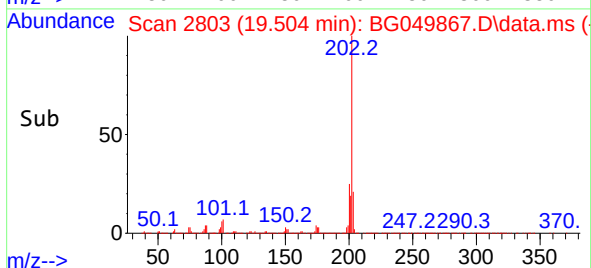
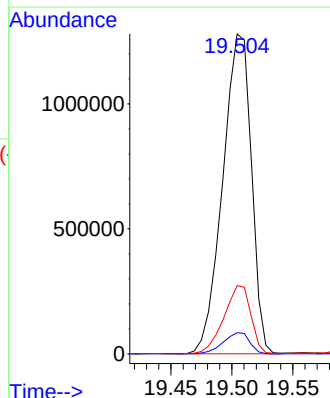
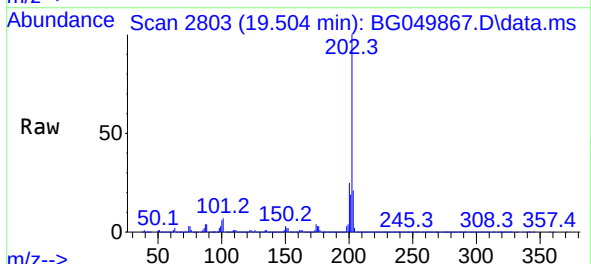
Manual Integrations
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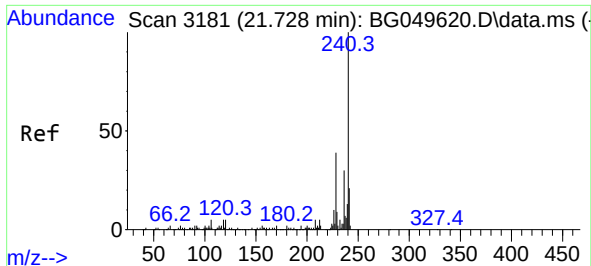
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#75
 Fluoranthene
 Concen: 185.639 ng
 RT: 19.504 min Scan# 2803
 Delta R.T. 0.015 min
 Lab File: BG049867.D
 Acq: 17 Aug 2021 2:39

Tgt Ion:	202	Resp:	2095143
Ion Ratio	Lower	Upper	
202	100		
101	6.6	0.0	24.7
203	21.4	0.0	38.5





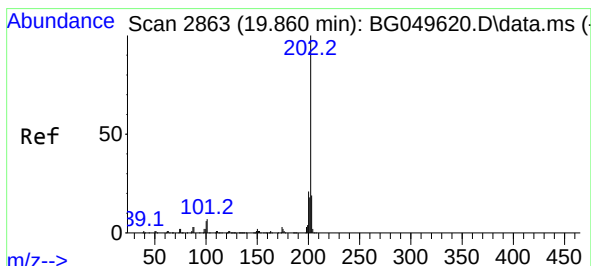
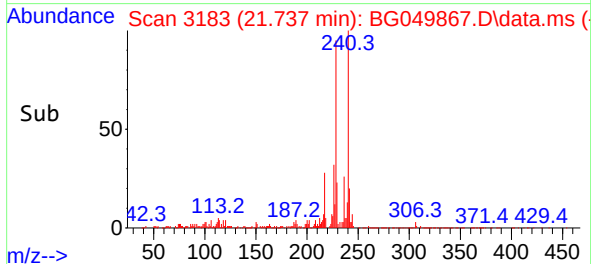
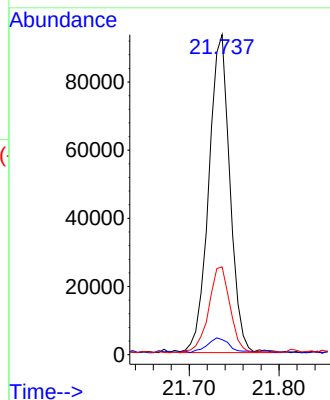
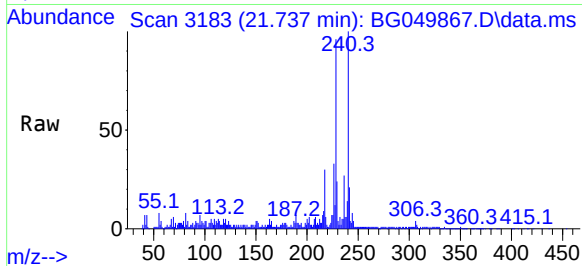
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.737 min Scan# 3183
Delta R.T. 0.015 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:240 Resp: 152410
Ion Ratio Lower Upper
240 100
120 4.7 4.2 6.2
236 27.4 21.8 32.6

Instrument :
BNA_G
ClientSampled :
28N

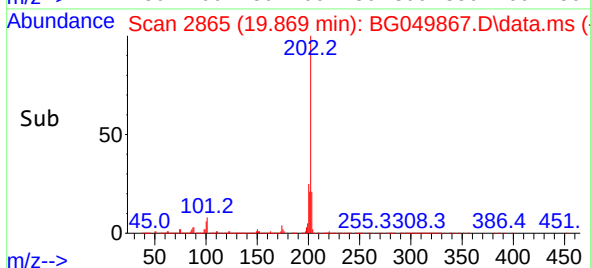
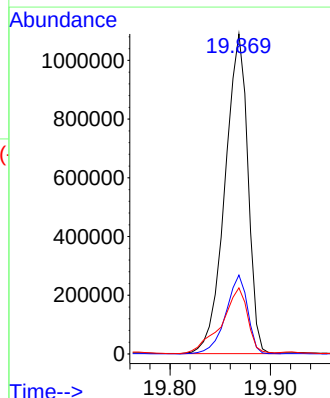
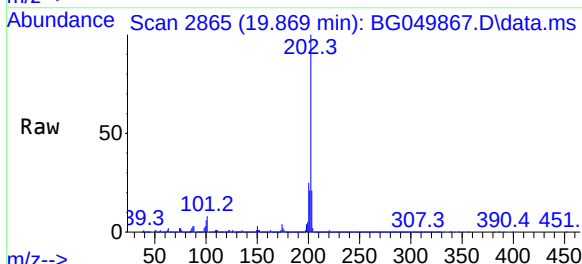
Manual Integrations
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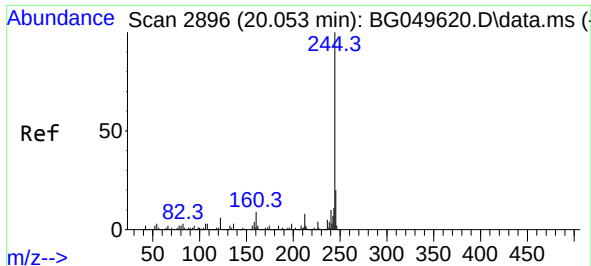
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#78
Pyrene
Concen: 165.995 ng
RT: 19.869 min Scan# 2865
Delta R.T. 0.015 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:202 Resp: 1724774
Ion Ratio Lower Upper
202 100
200 24.7 15.8 23.8#
203 20.7 14.6 21.8





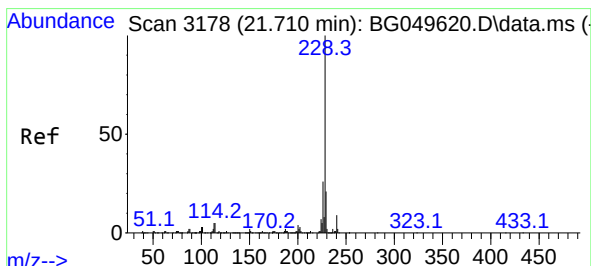
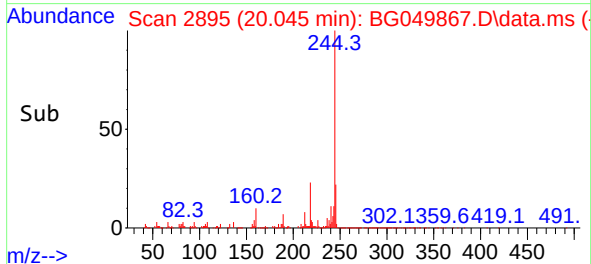
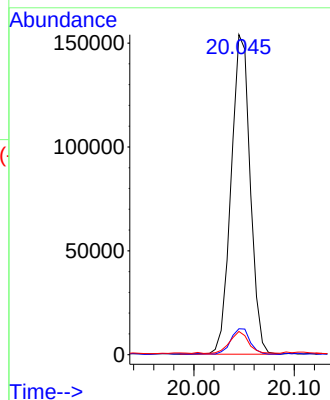
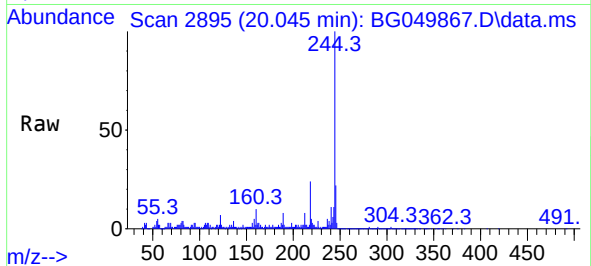
#79
Terphenyl-d14
Concen: 24.197 ng
RT: 20.045 min Scan# 2895
Delta R.T. -0.002 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:244 Resp: 203052
Ion Ratio Lower Upper
244 100
212 8.1 6.9 10.3
122 7.2 5.0 7.6

Instrument :
BNA_G
ClientSampled :
28N

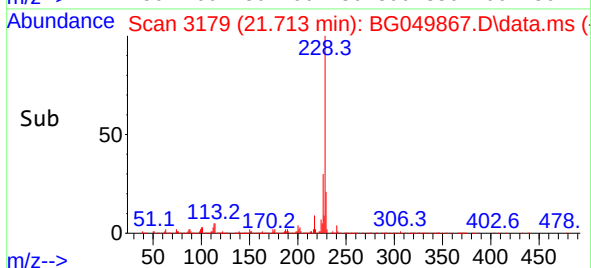
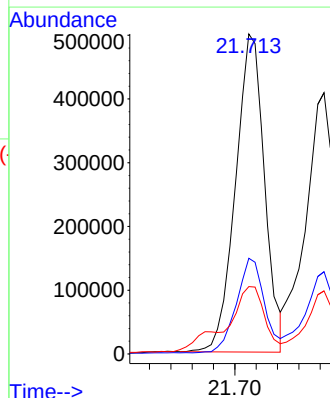
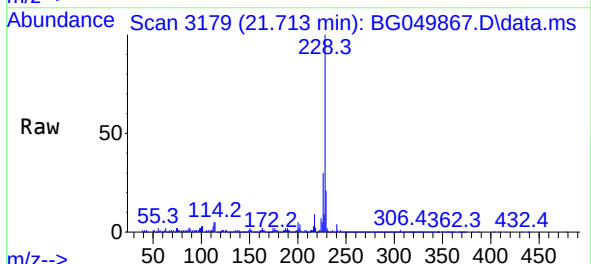
Manual Integrations
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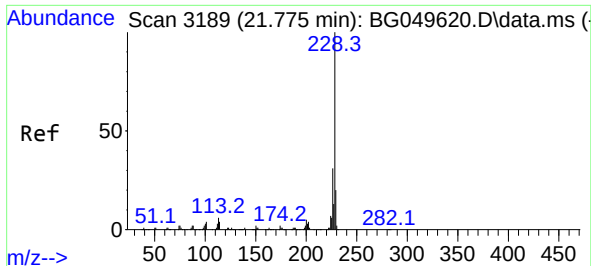
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#81
Benzo(a)anthracene
Concen: 94.898 ng
RT: 21.713 min Scan# 3179
Delta R.T. 0.015 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:228 Resp: 941912
Ion Ratio Lower Upper
228 100
226 29.9 22.7 34.1
229 21.0 16.0 24.0





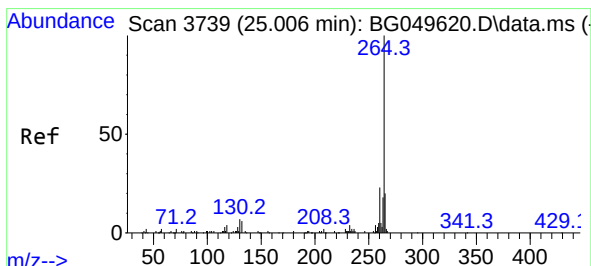
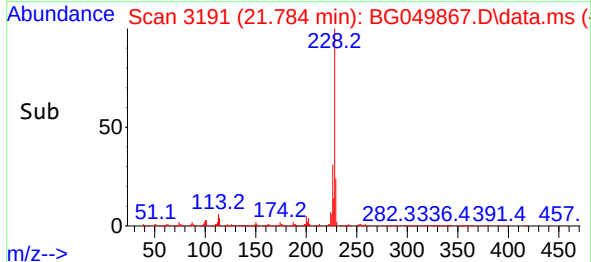
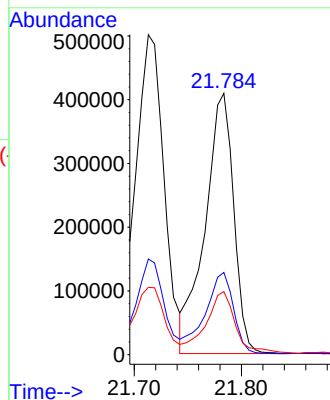
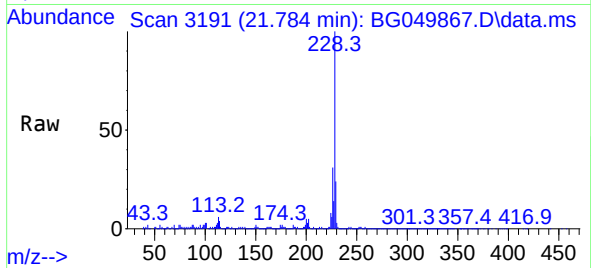
#83
Chrysene
Concen: 80.347 ng m
RT: 21.784 min Scan# 3191
Delta R.T. 0.015 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:228 Resp: 762326
Ion Ratio Lower Upper
228 100
226 31.4 23.1 34.7
229 24.1 15.3 22.9#

Instrument :
BNA_G
ClientSampled :
28N

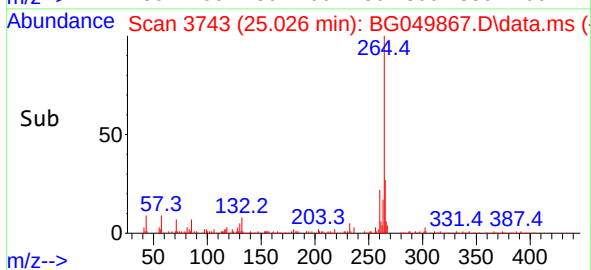
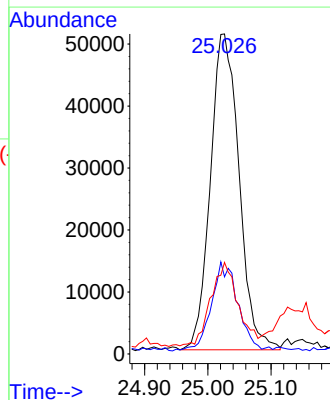
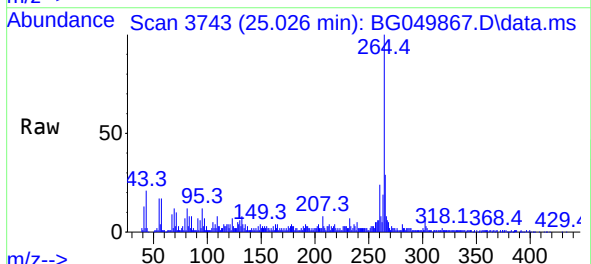
Manual Integrations
APPROVED

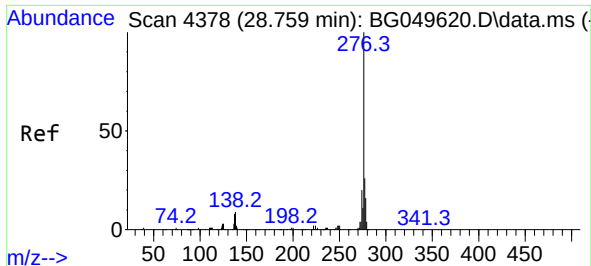
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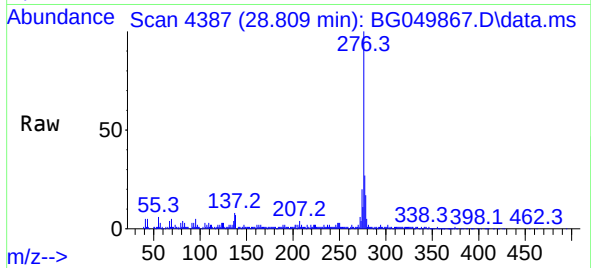
#86
Perylene-d12
Concen: 20.000 ng
RT: 25.026 min Scan# 3743
Delta R.T. 0.039 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

Tgt Ion:264 Resp: 160904
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 28.6 16.9 25.3#

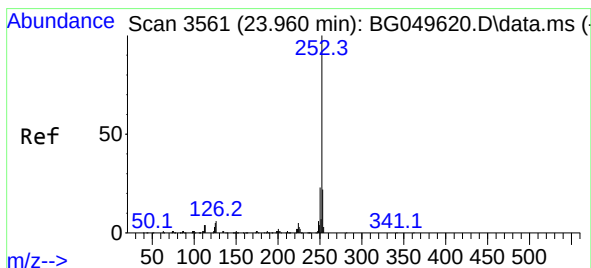
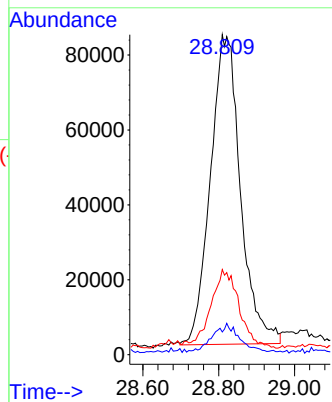
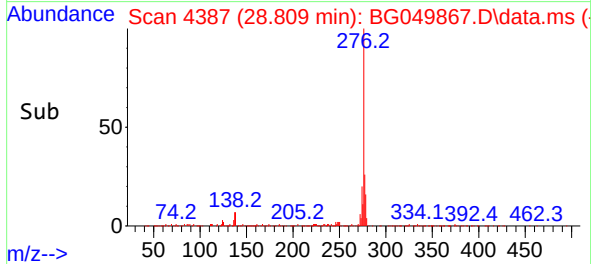




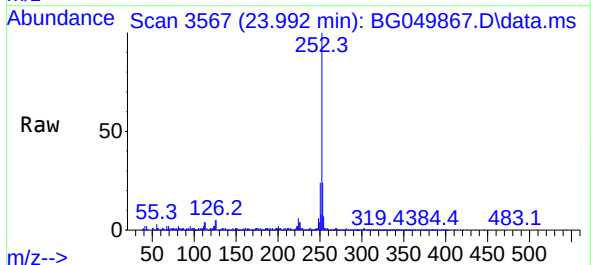
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.216 ng
RT: 28.809 min Scan# 4387
Delta R.T. 0.074 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



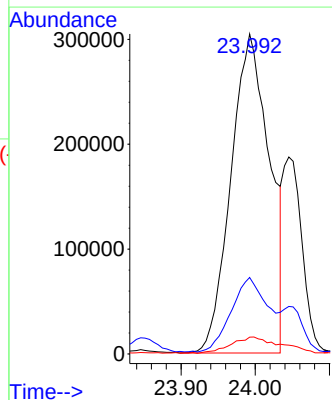
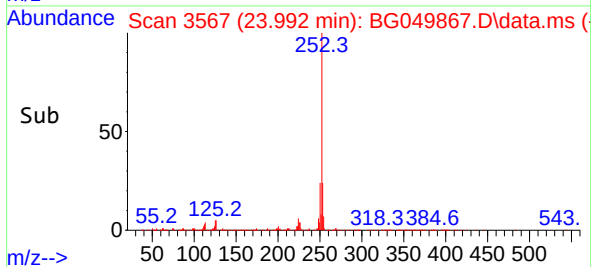
Tgt Ion: 276 Resp: 455062
Ion Ratio Lower Upper
276 100
138 7.7 5.1 7.7#
277 24.2 19.8 29.6



#88
Benzo(b)fluoranthene
Concen: 104.127 ng
RT: 23.992 min Scan# 3567
Delta R.T. 0.039 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



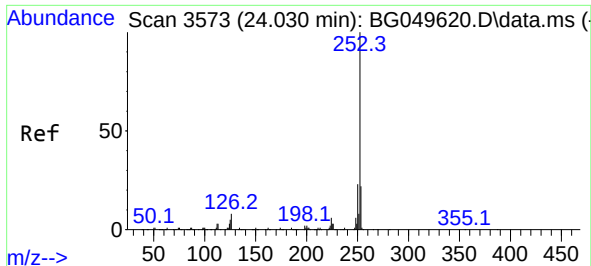
Tgt Ion: 252 Resp: 1098848
Ion Ratio Lower Upper
252 100
253 23.9 16.2 24.4
125 5.3 3.0 4.4#



Instrument :
BNA_G
ClientSampled :
28N

Manual Integrations
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#89

Benzo(k)fluoranthene

Concen: 33.562 ng m

RT: 24.045 min Scan# 3576

Delta R.T. 0.027 min

Lab File: BG049867.D

Acq: 17 Aug 2021 2:39

Tgt Ion:	252	Resp:	330365
Ion Ratio	Lower	Upper	
252	100		
253	24.1	18.0	27.0
125	4.5	3.1	4.7

Instrument :

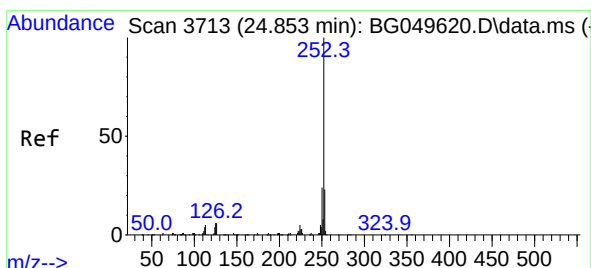
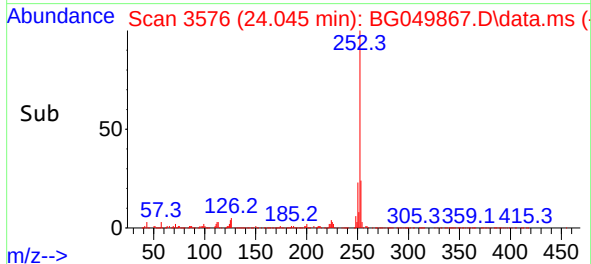
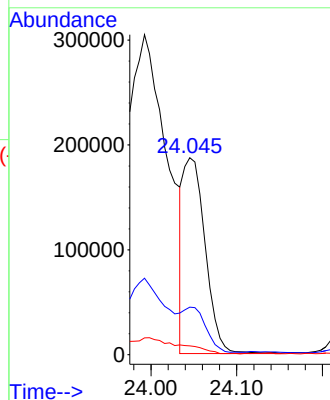
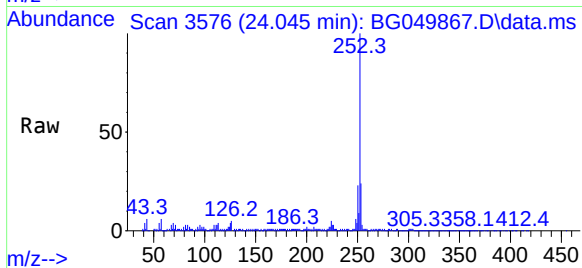
BNA_G

ClientSampled :

28N

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 81.989 ng

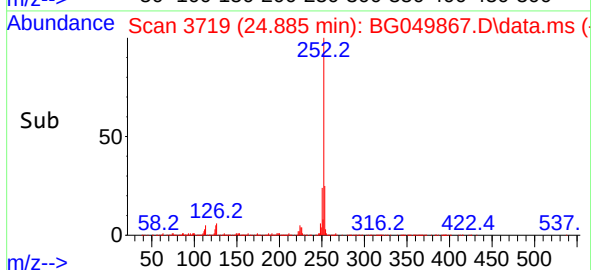
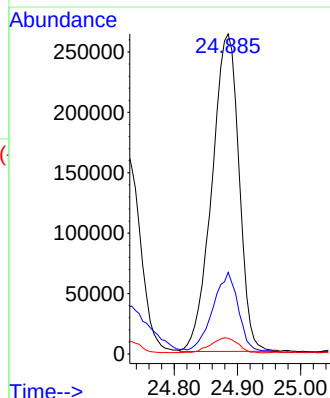
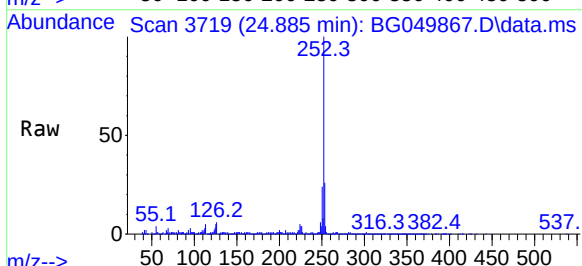
RT: 24.885 min Scan# 3719

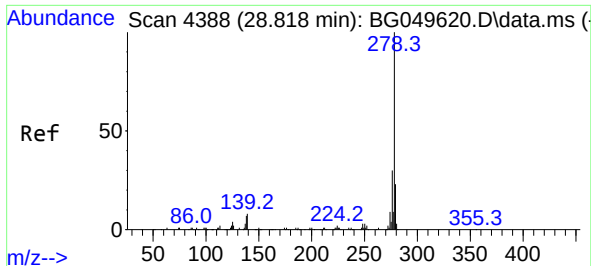
Delta R.T. 0.045 min

Lab File: BG049867.D

Acq: 17 Aug 2021 2:39

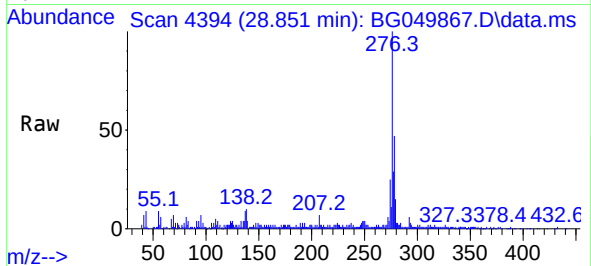
Tgt Ion:	252	Resp:	783016
Ion Ratio	Lower	Upper	
252	100		
253	25.5	16.6	25.0#
125	4.9	3.5	5.3





#91
Dibenzo(a,h)anthracene
Concen: 11.805 ng
RT: 28.851 min Scan# 4394
Delta R.T. 0.051 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39

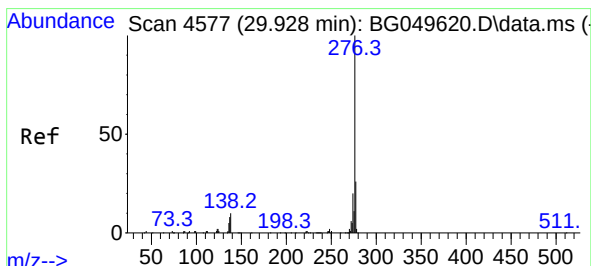
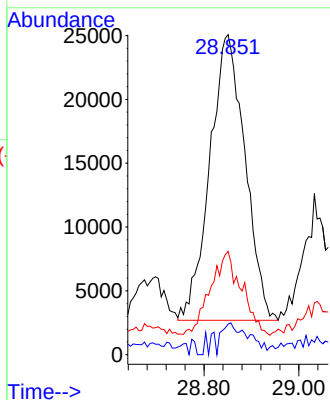
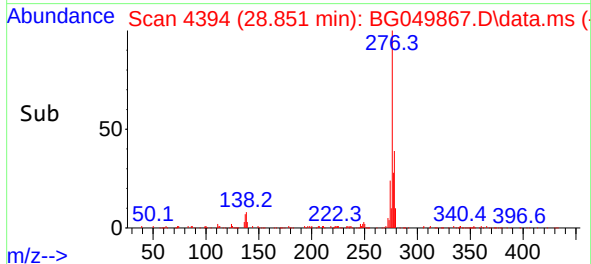
Instrument :
BNA_G
ClientSampled :
28N



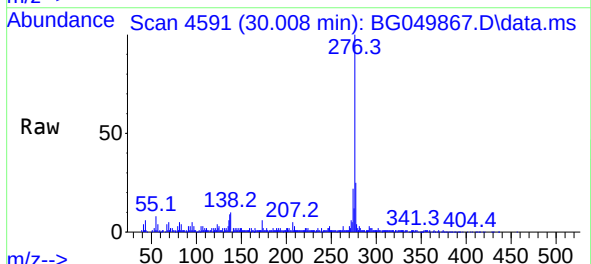
Tgt Ion:278 Resp: 115430
Ion Ratio Lower Upper
278 100
139 9.5 4.6 6.8#
279 32.2 17.9 26.9#

Manual Integrations
APPROVED

mohammad
8/17/2021 1:21:04 PM



#92
Benzo(g,h,i)perylene
Concen: 44.703 ng
RT: 30.008 min Scan# 4591
Delta R.T. 0.092 min
Lab File: BG049867.D
Acq: 17 Aug 2021 2:39



Tgt Ion:276 Resp: 428257
Ion Ratio Lower Upper
276 100
277 25.1 18.4 27.6
138 9.6 7.0 10.6

