

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042221\
 Data File : BG048850.D
 Acq On : 22 Apr 2021 17:03
 Operator : CG/JU
 Sample : M2074-17
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12

Manual Integrations
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Quant Time: Apr 22 17:38:38 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 20 17:33:30 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.061	152	24598	20.00	ng	0.00
21) Naphthalene-d8	10.887	136	101735	20.00	ng	# 0.00
39) Acenaphthene-d10	14.724	164	65324	20.00	ng	0.00
64) Phenanthrene-d10	17.479	188	150309	20.00	ng	# 0.00
76) Chrysene-d12	21.780	240	130566	20.00	ng	0.00
86) Perylene-d12	25.112	264	131156	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.611	112	143124	97.32	ng	0.00
7) Phenol-d6	7.227	99	192196	92.39	ng	0.00
23) Nitrobenzene-d5	9.236	82	150657	66.30	ng	0.00
42) 2,4,6-Tribromophenol	16.216	330	71157	81.24	ng	0.00
45) 2-Fluorobiphenyl	13.343	172	295828	65.40	ng	0.00
79) Terphenyl-d14	20.094	244	379423	50.02	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.940	128	14015	2.68	ng	95
50) Dimethylphthalate	14.166	163	10392	2.12	ng	# 90
71) Phenanthrene	17.521	178	68671	8.80	ng	98
72) Anthracene	17.609	178	17517m	2.27	ng	
75) Fluoranthene	19.536	202	144839	14.68	ng	99
78) Pyrene	19.900	202	126316	13.98	ng	98
81) Benzo(a)anthracene	21.757	228	85295	9.56	ng	97
83) Chrysene	21.827	228	81456	9.58	ng	97
87) Indeno(1,2,3-cd)pyrene	28.937	276	54972	5.71	ng	# 60
88) Benzo(b)fluoranthene	24.054	252	113340	12.74	ng	# 96
89) Benzo(k)fluoranthene	24.113	252	35107m	4.20	ng	
90) Benzo(a)pyrene	24.953	252	78477	9.57	ng	92
92) Benzo(g,h,i)perylene	30.123	276	49644m	6.09	ng	

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

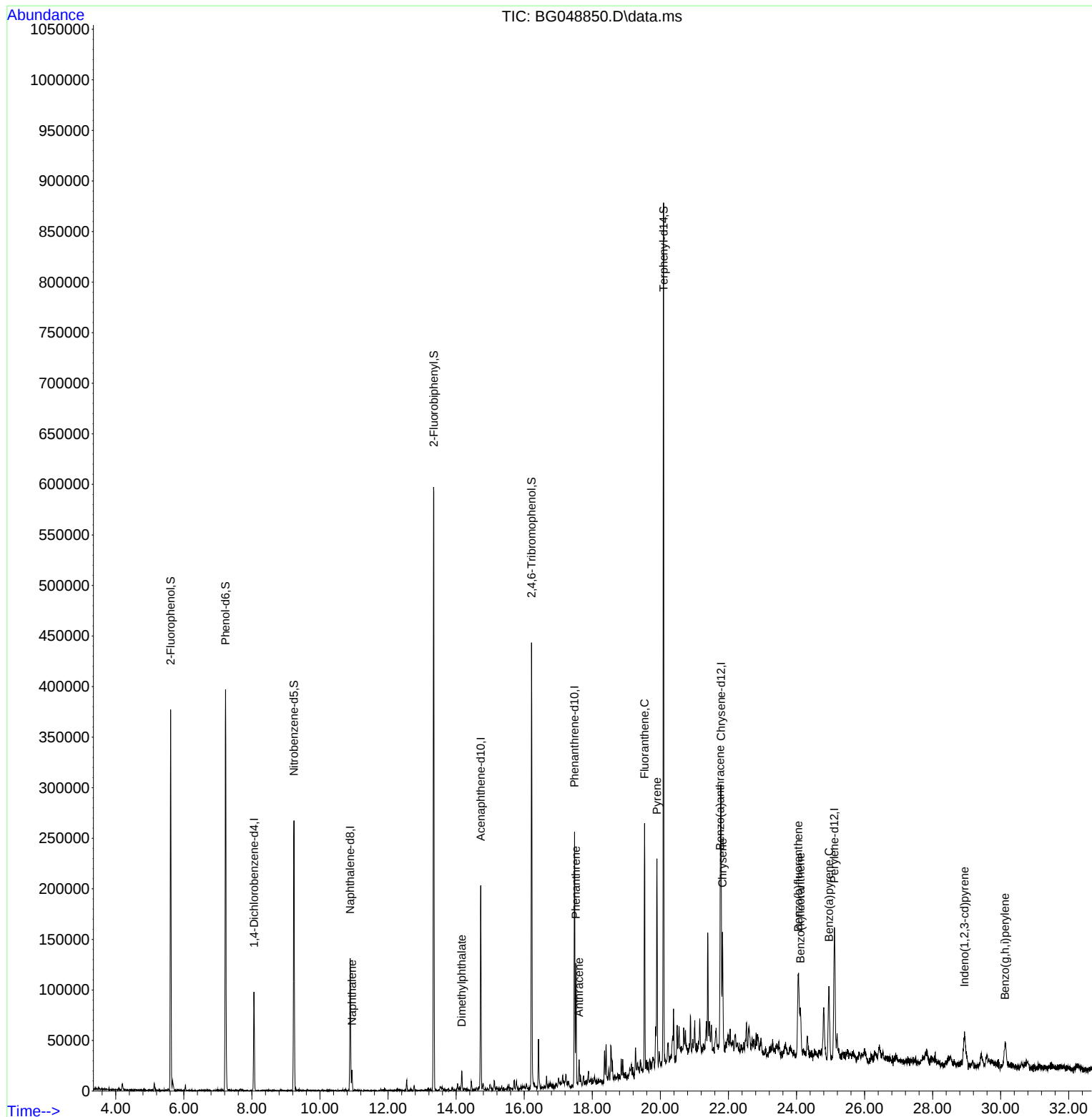
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Data File : BG048850.D
Acq On : 22 Apr 2021 17:03
Operator : CG/JU
Sample : M2074-17
Misc :
ALS Vial : 13 Sample Multiplier: 1

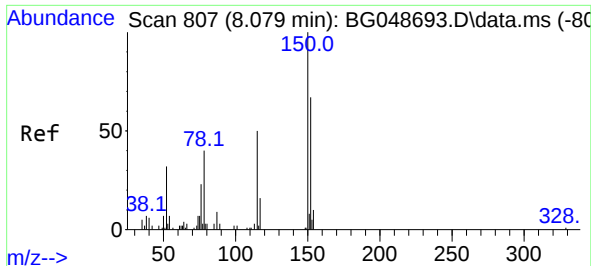
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
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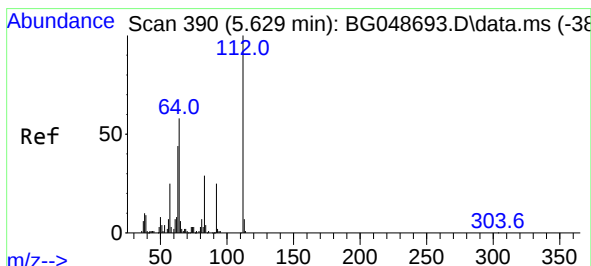
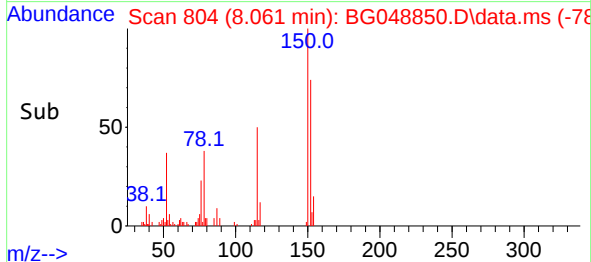
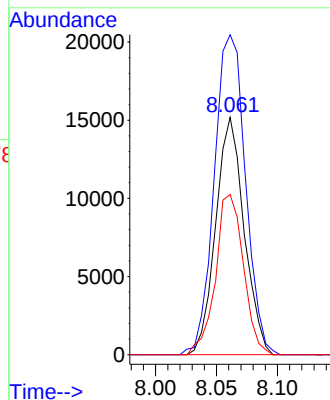
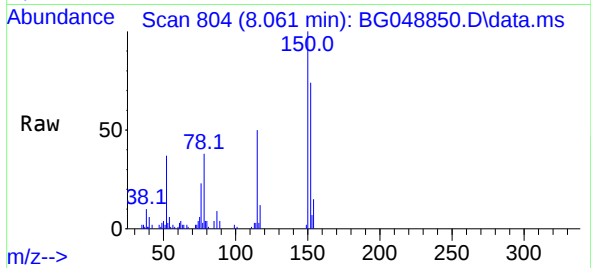
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.061 min Scan# 804
Delta R.T. 0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Tgt Ion:	152	Resp:	24598
Ion Ratio	Lower	Upper	
152	100		
150	134.8	119.4	179.0
115	67.5	60.2	90.4

Instrument :
BNA_G
ClientSampled :
VNPH2-B-12

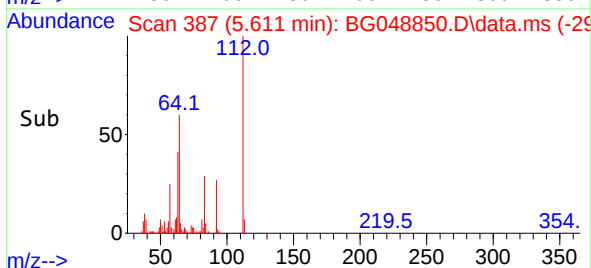
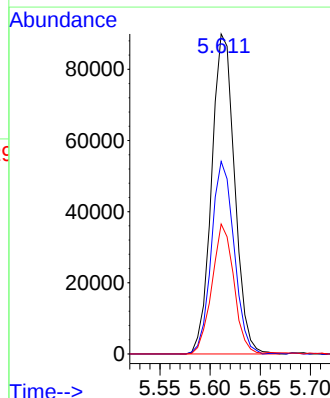
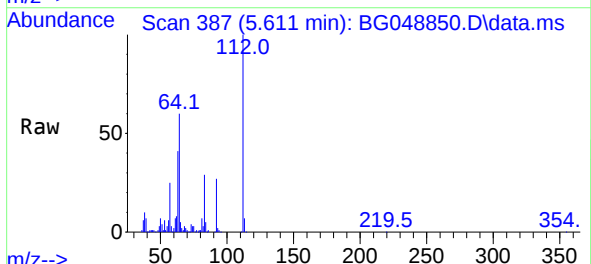
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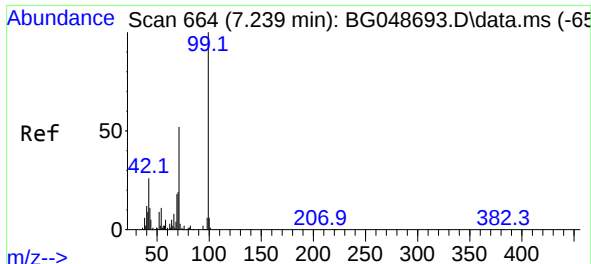
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#5
2-Fluorophenol
Concen: 97.32 ng
RT: 5.611 min Scan# 387
Delta R.T. 0.006 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Tgt Ion:	112	Resp:	143124
Ion Ratio	Lower	Upper	
112	100		
64	60.2	46.7	70.1
63	40.6	35.3	52.9





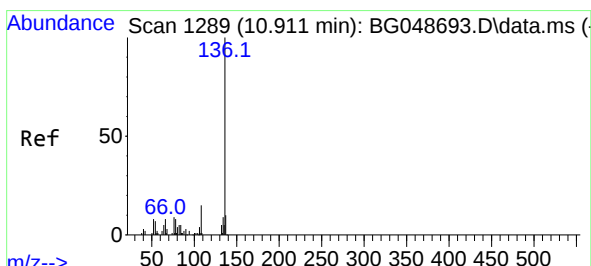
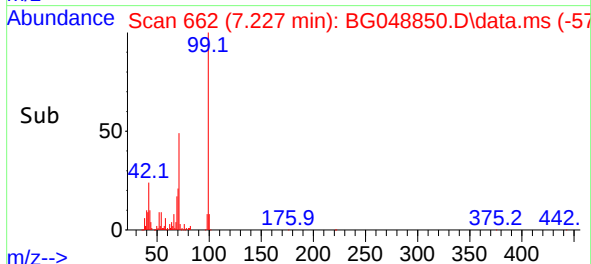
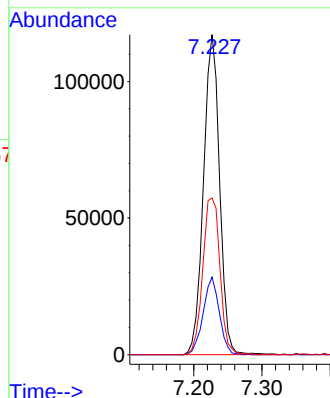
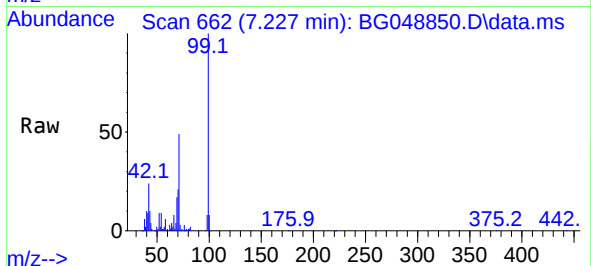
#7
Phenol-d6
Concen: 92.39 ng
RT: 7.227 min Scan# 662
Delta R.T. 0.006 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Tgt Ion:	99	Resp:	192196
Ion	Ratio	Lower	Upper
99	100		
42	24.3	20.5	30.7
71	49.0	41.5	62.3

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

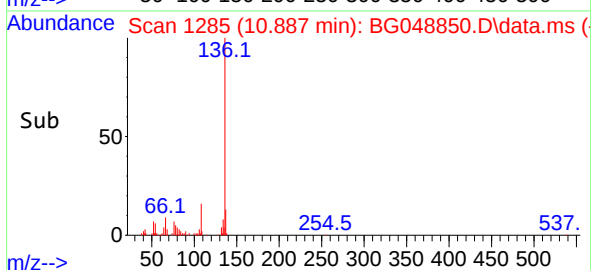
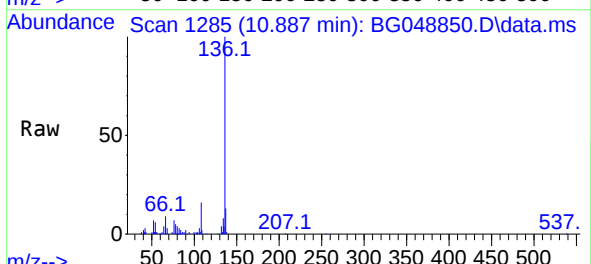
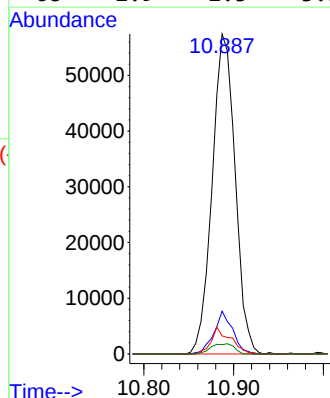
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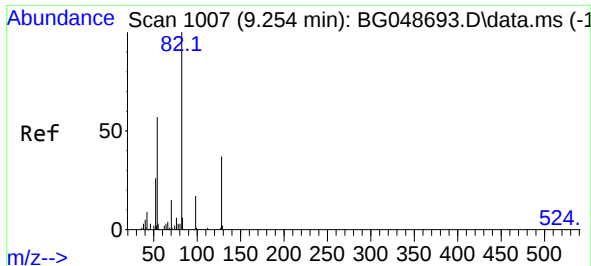
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#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.887 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

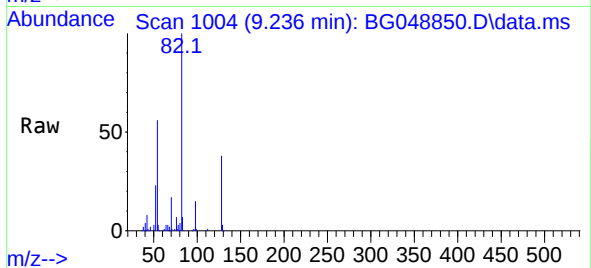
Tgt Ion:	136	Resp:	101735
Ion	Ratio	Lower	Upper
136	100		
137	13.4	8.2	12.2
54	5.7	5.5	8.3
68	2.9	2.3	3.5





#23
Nitrobenzene-d5
Concen: 66.30 ng
RT: 9.236 min Scan# 1004
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

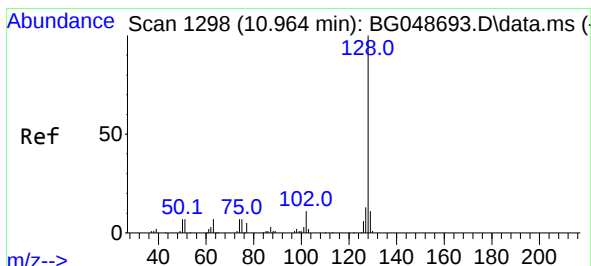
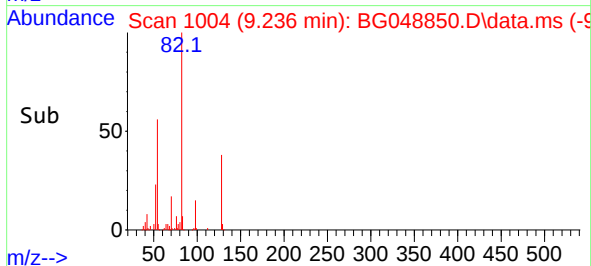
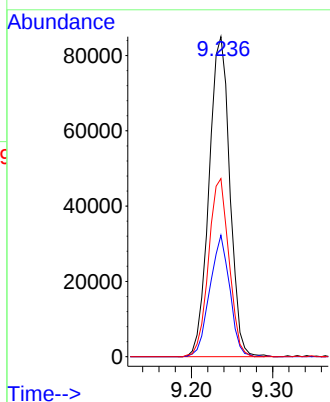
Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12



Tgt Ion: 82 Resp: 150657
Ion Ratio Lower Upper
82 100
128 37.9 29.8 44.6
54 55.7 45.8 68.8

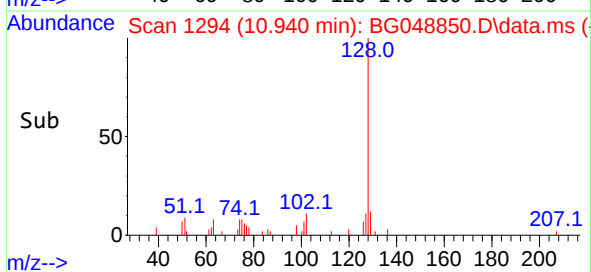
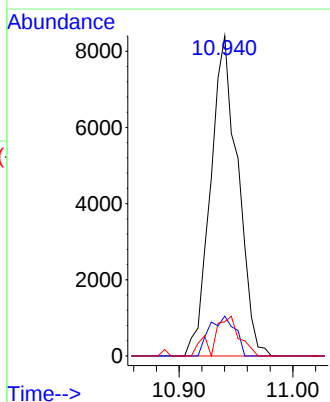
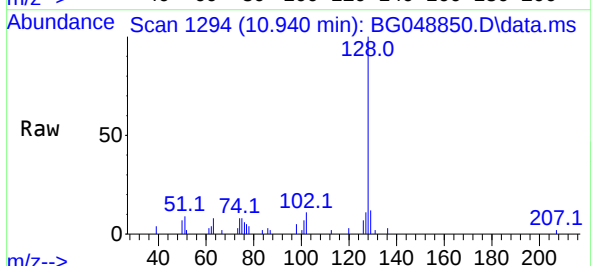
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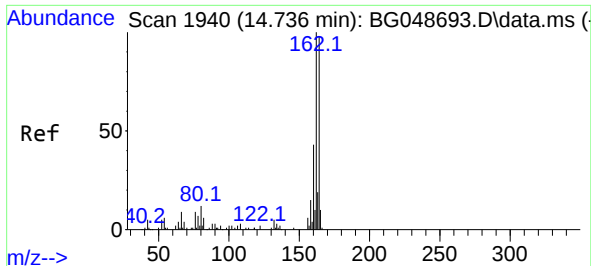
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#31
Naphthalene
Concen: 2.68 ng
RT: 10.940 min Scan# 1294
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

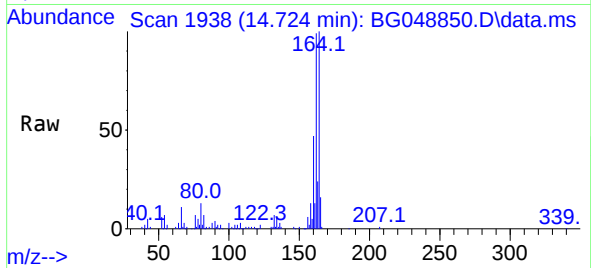
Tgt Ion: 128 Resp: 14015
Ion Ratio Lower Upper
128 100
129 12.4 8.5 12.7
127 10.7 10.2 15.4





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.724 min Scan# 1938
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

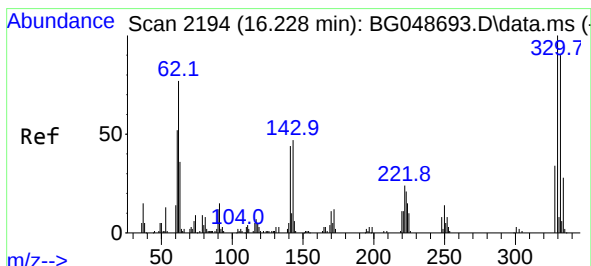
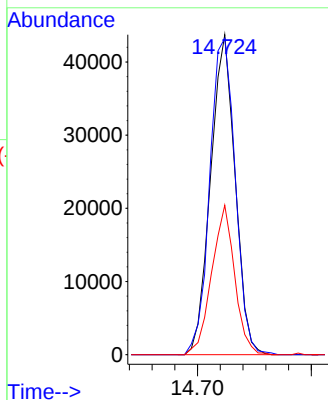
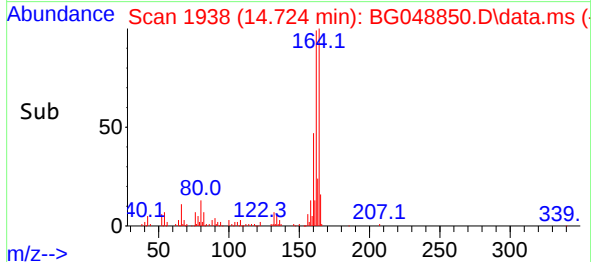
Instrument :
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ClientSampleId :
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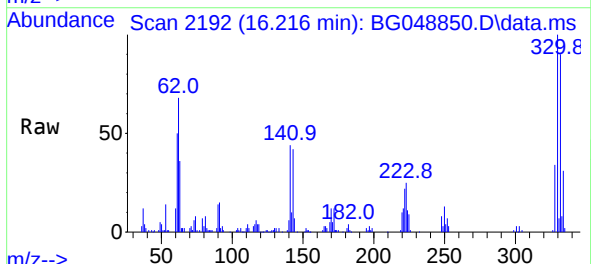
Tgt Ion:164 Resp: 65324
Ion Ratio Lower Upper
164 100
162 98.8 81.4 122.0
160 46.7 34.9 52.3

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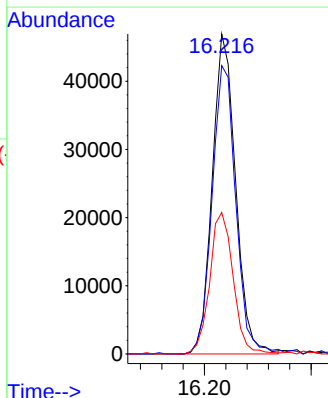
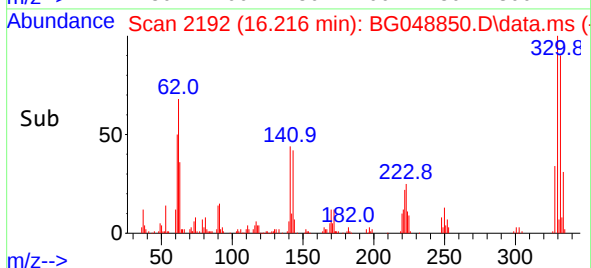
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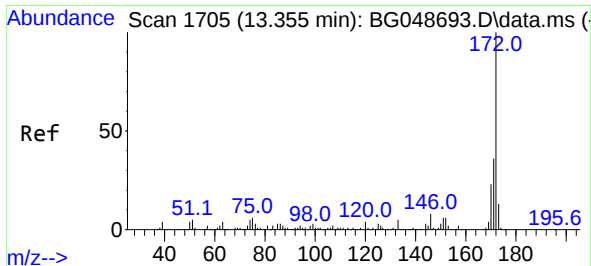


#42
2,4,6-Tribromophenol
Concen: 81.24 ng
RT: 16.216 min Scan# 2192
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03



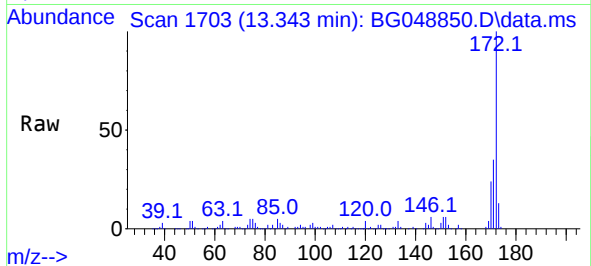
Tgt Ion:330 Resp: 71157
Ion Ratio Lower Upper
330 100
332 92.2 77.3 115.9
141 44.5 35.6 53.4





#45
2-Fluorobiphenyl
Concen: 65.40 ng
RT: 13.343 min Scan# 1703
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

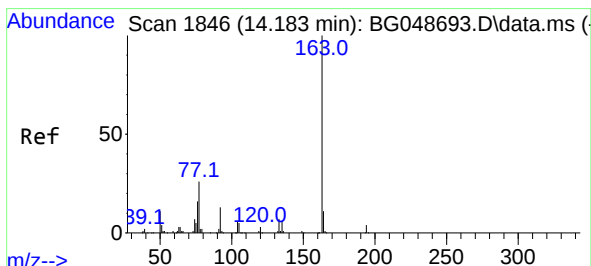
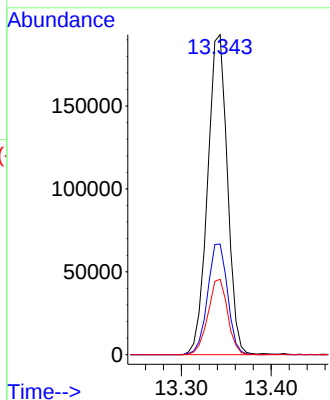
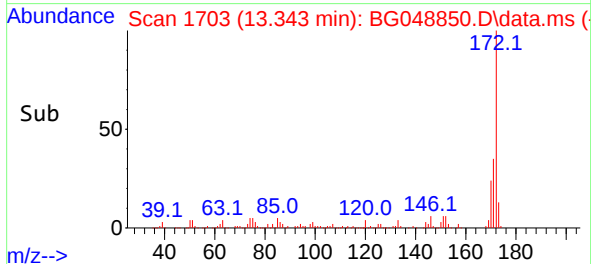
Instrument :
BNA_G
ClientSampled :
VNPH2-B-12



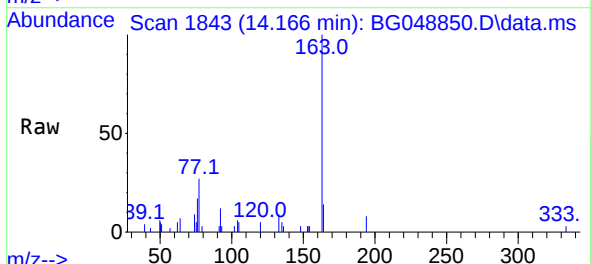
Tgt Ion:172 Resp: 295828
Ion Ratio Lower Upper
172 100
171 34.6 28.6 43.0
170 23.6 18.6 27.8

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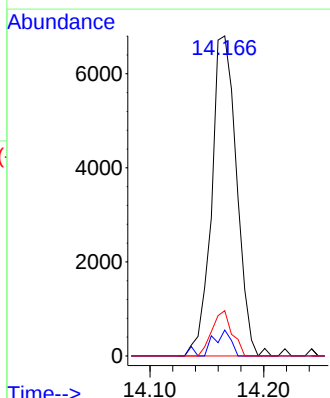
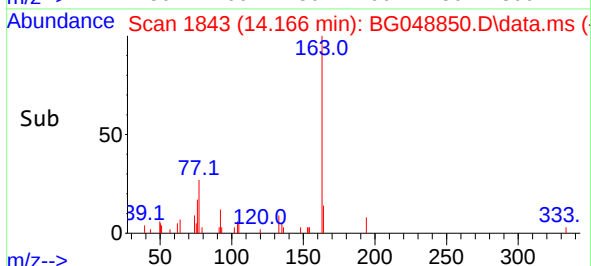
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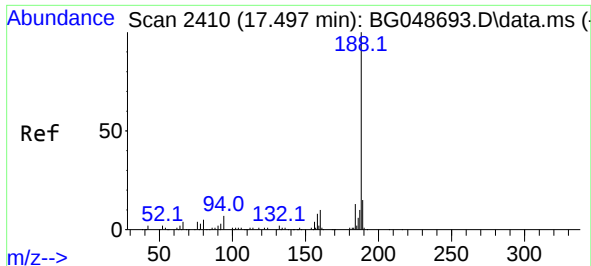


#50
Dimethylphthalate
Concen: 2.12 ng
RT: 14.166 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03



Tgt Ion:163 Resp: 10392
Ion Ratio Lower Upper
163 100
194 8.1 3.0 4.6#
164 14.1 8.6 12.8#





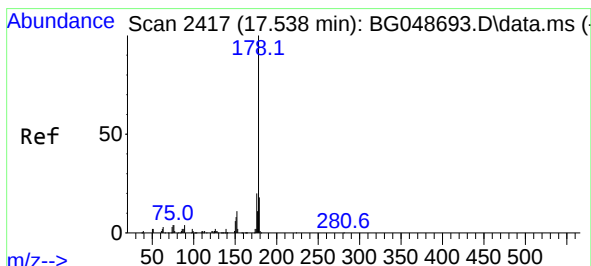
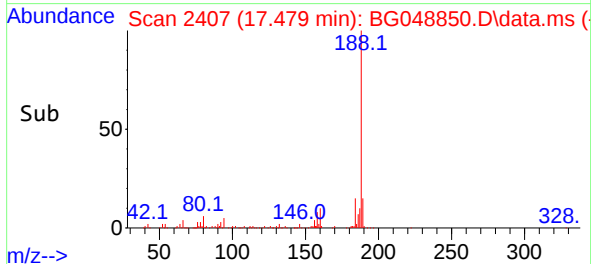
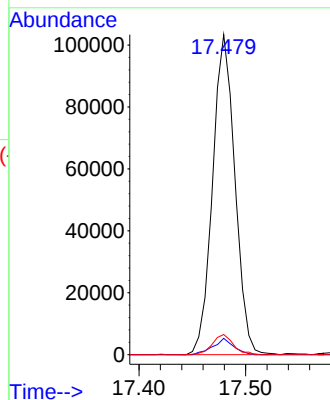
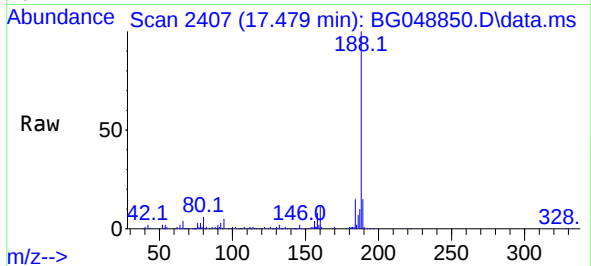
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.479 min Scan# 2407
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Tgt Ion:188 Resp: 150309
Ion Ratio Lower Upper
188 100
94 5.1 5.4 8.0#
80 6.3 3.7 5.5#

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

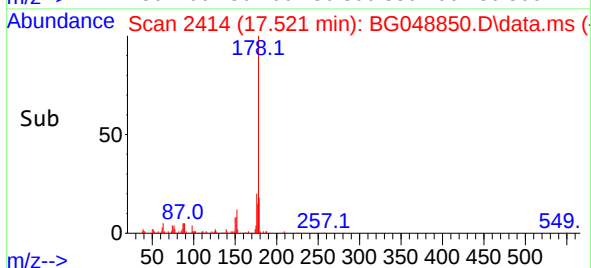
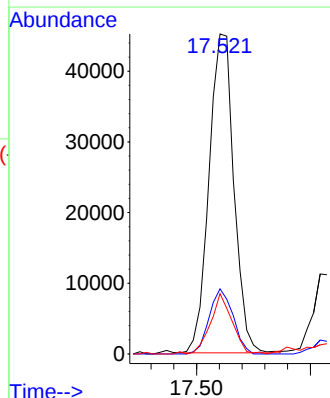
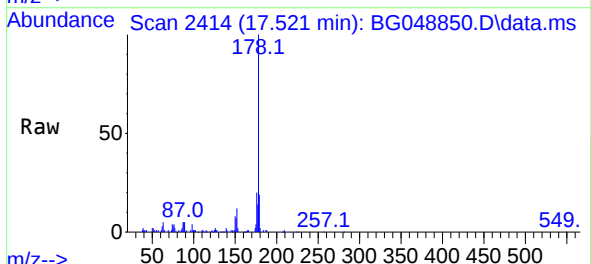
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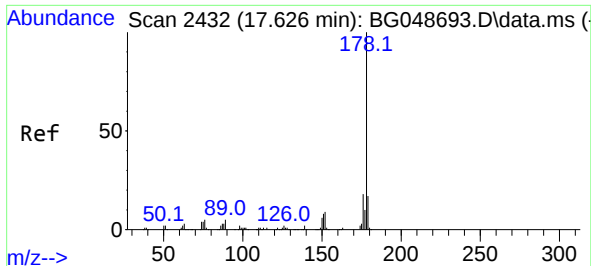
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#71
Phenanthrene
Concen: 8.80 ng
RT: 17.521 min Scan# 2414
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Tgt Ion:178 Resp: 68671
Ion Ratio Lower Upper
178 100
176 20.4 16.0 24.0
179 18.9 14.2 21.4





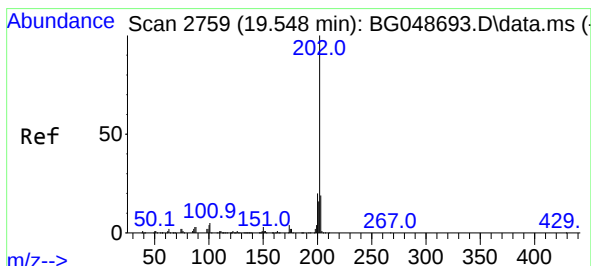
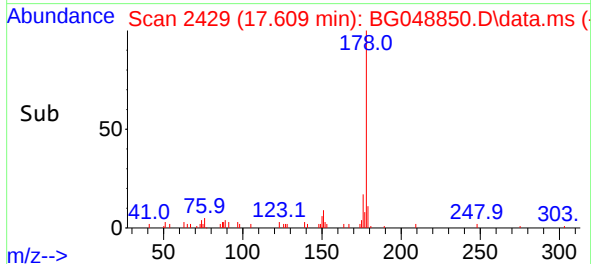
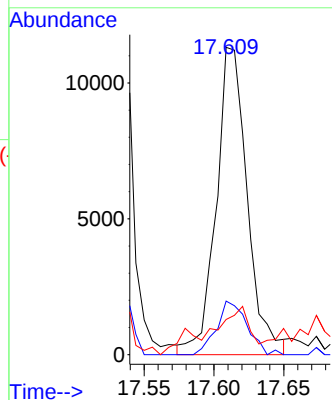
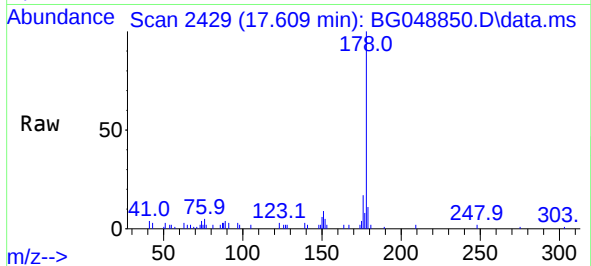
#72
 Anthracene
 Concen: 2.27 ng m
 RT: 17.609 min Scan# 2429
 Delta R.T. -0.006 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

Tgt Ion:178 Resp: 17517
 Ion Ratio Lower Upper
 178 100
 176 17.5 14.6 21.8
 179 11.5 13.4 20.0#

Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12

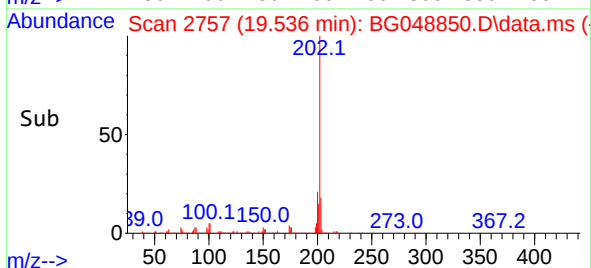
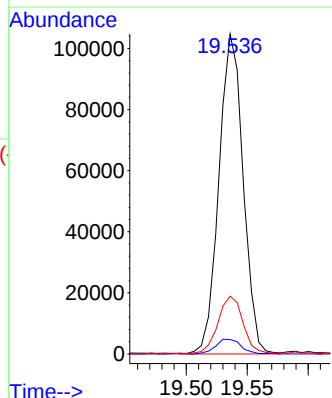
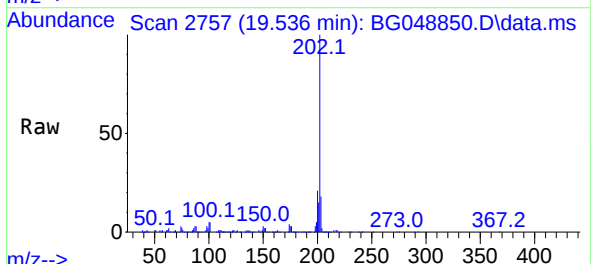
Manual Integrations
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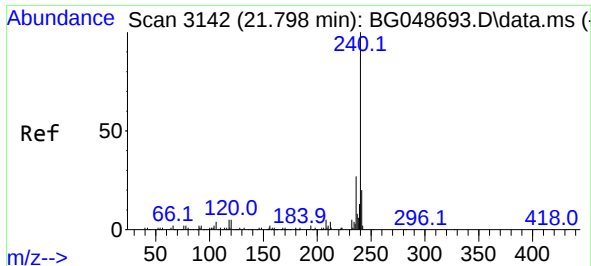
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#75
 Fluoranthene
 Concen: 14.68 ng
 RT: 19.536 min Scan# 2757
 Delta R.T. -0.000 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03

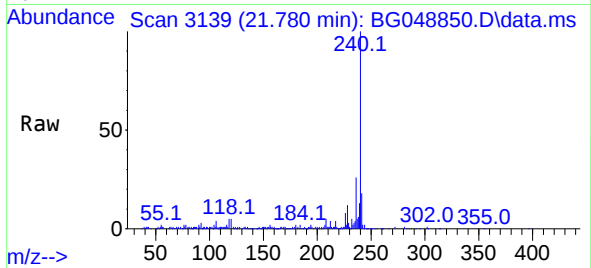
Tgt Ion:202 Resp: 144839
 Ion Ratio Lower Upper
 202 100
 101 4.5 0.0 24.7
 203 18.1 0.0 38.5





#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.780 min Scan# 3139
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

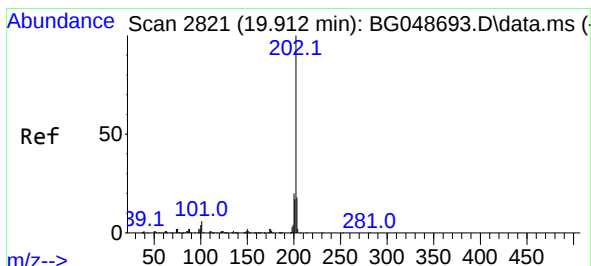
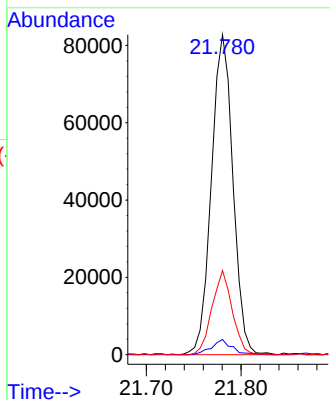
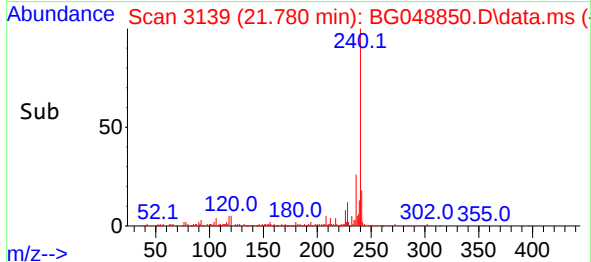
Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12



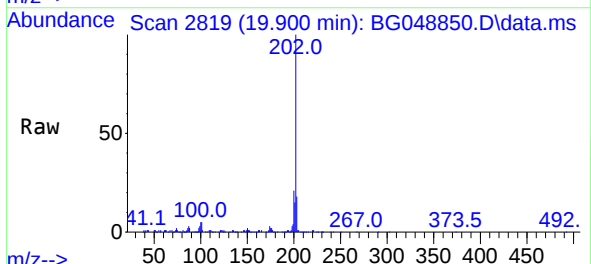
Tgt Ion:240 Resp: 130566
Ion Ratio Lower Upper
240 100
120 4.7 4.2 6.2
236 26.3 21.8 32.6

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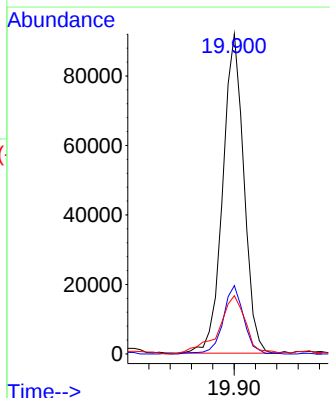
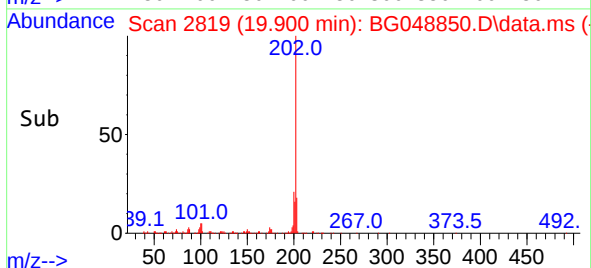
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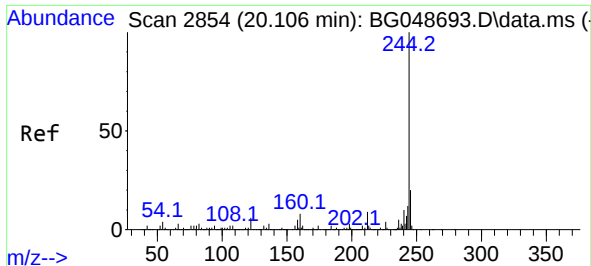


#78
Pyrene
Concen: 13.98 ng
RT: 19.900 min Scan# 2819
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

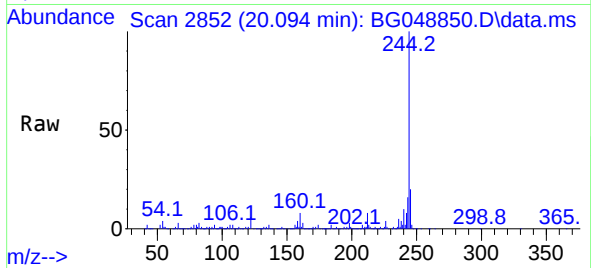


Tgt Ion:202 Resp: 126316
Ion Ratio Lower Upper
202 100
200 21.4 15.8 23.8
203 18.2 14.6 21.8

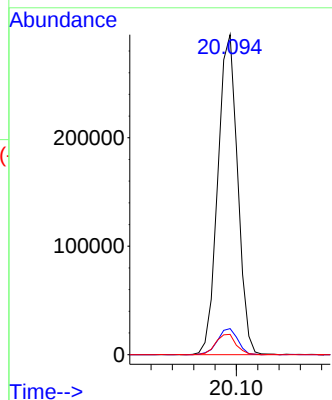




#79
Terphenyl-d14
Concen: 50.02 ng
RT: 20.094 min Scan# 2852
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03



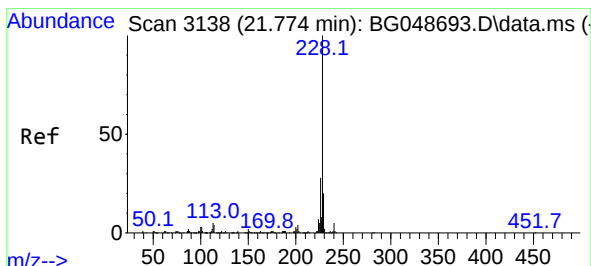
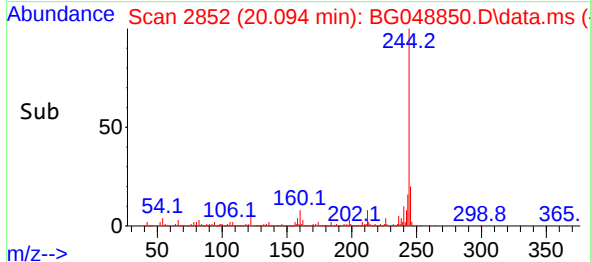
Tgt Ion:244 Resp: 379423
Ion Ratio Lower Upper
244 100
212 8.2 6.9 10.3
122 6.3 5.0 7.6



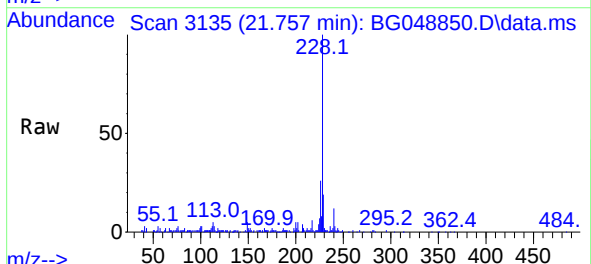
Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

Manual Integrations
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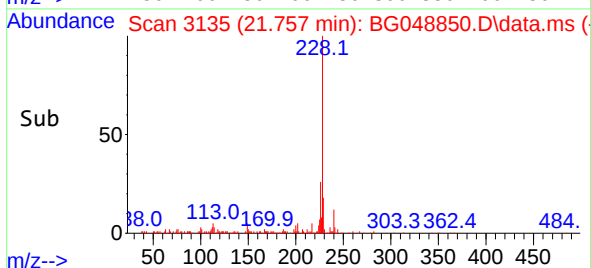
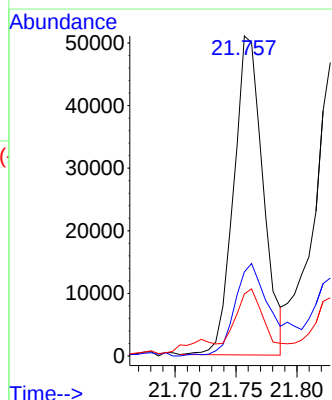
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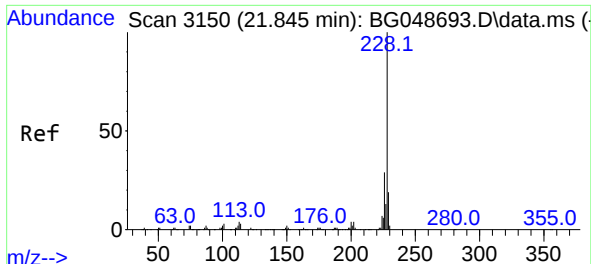


#81
Benzo(a)anthracene
Concen: 9.56 ng
RT: 21.757 min Scan# 3135
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

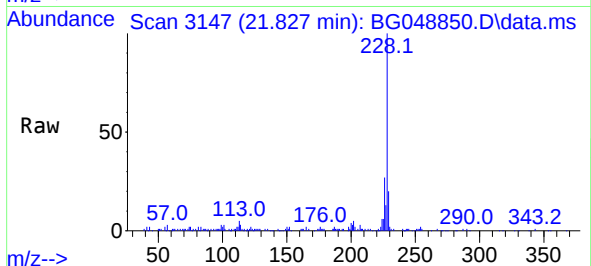


Tgt Ion:228 Resp: 85295
Ion Ratio Lower Upper
228 100
226 26.3 22.7 34.1
229 19.4 16.0 24.0

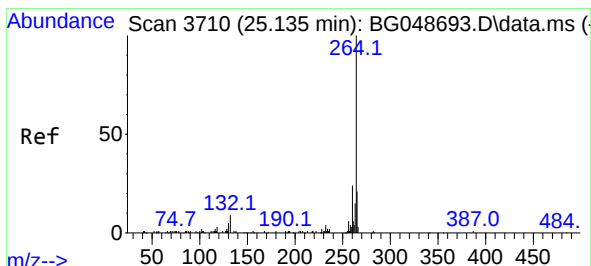
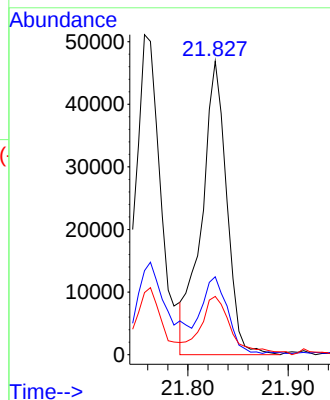
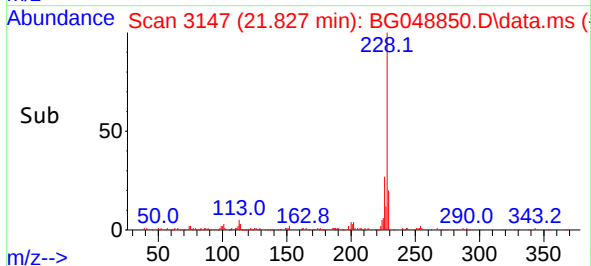




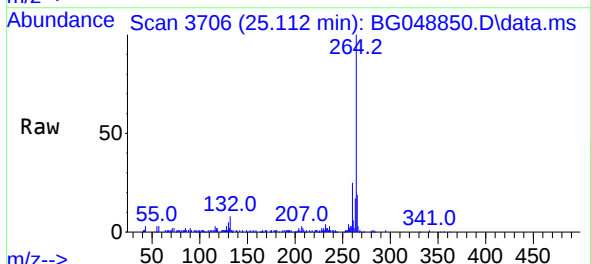
#83
Chrysene
Concen: 9.58 ng
RT: 21.827 min Scan# 3147
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03



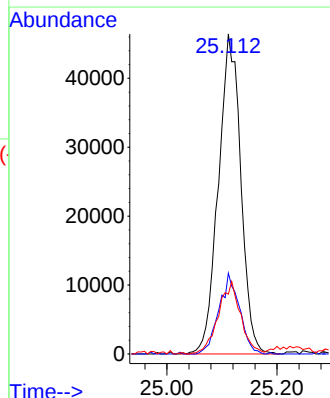
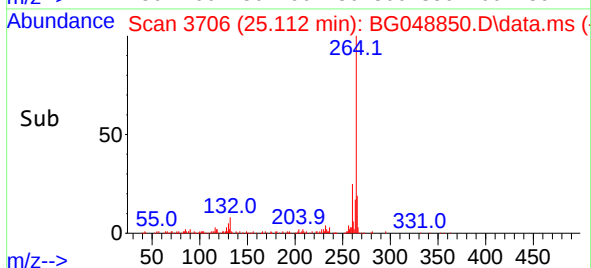
Tgt Ion:228 Resp: 81456
Ion Ratio Lower Upper
228 100
226 26.5 23.1 34.7
229 19.8 15.3 22.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 25.112 min Scan# 3706
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03



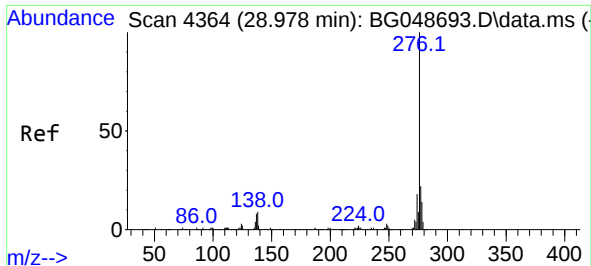
Tgt Ion:264 Resp: 131156
Ion Ratio Lower Upper
264 100
260 25.3 19.4 29.2
265 18.7 16.9 25.3



Instrument :
BNA_G
ClientSampled :
VNPH2-B-12

Manual Integrations
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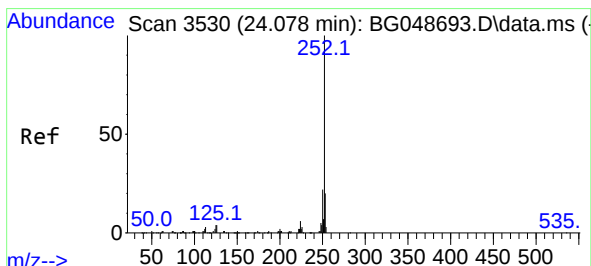
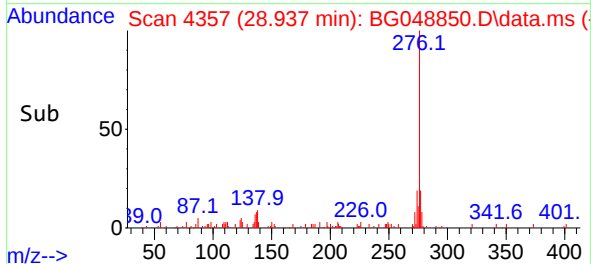
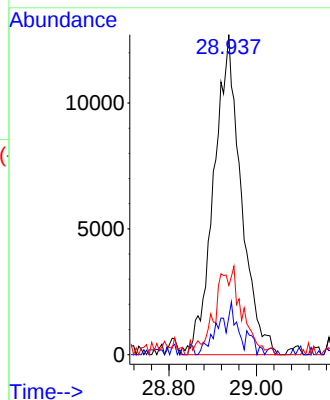
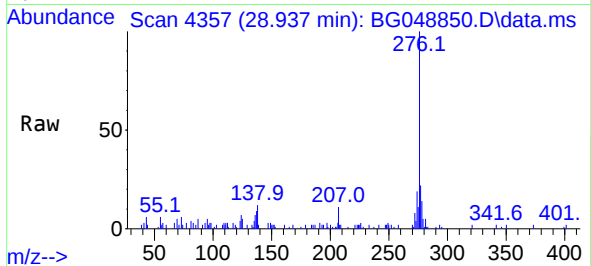
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.71 ng
RT: 28.937 min Scan# 4357
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

Tgt Ion: 276 Resp: 54972
Ion Ratio Lower Upper
276 100
138 5.0 5.1 7.7#
277 0.0 19.8 29.6#

Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12

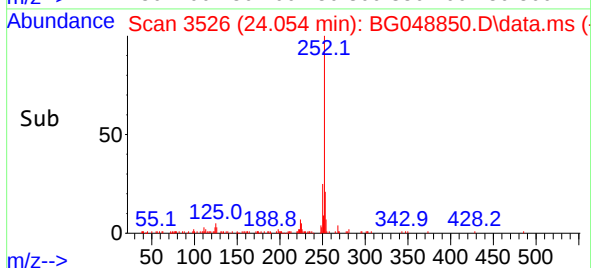
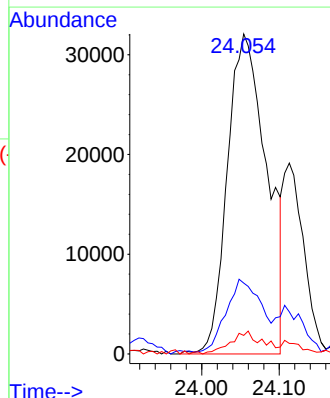
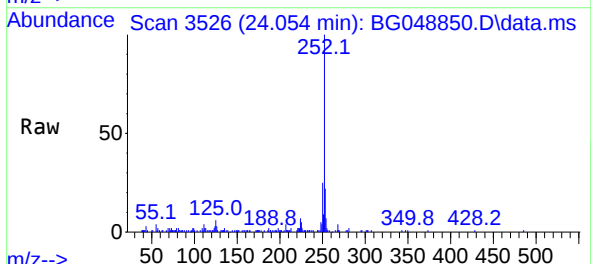
Manual Integrations
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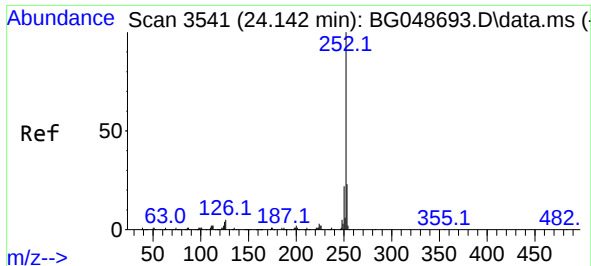
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#88
Benzo(b)fluoranthene
Concen: 12.74 ng
RT: 24.054 min Scan# 3526
Delta R.T. 0.006 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

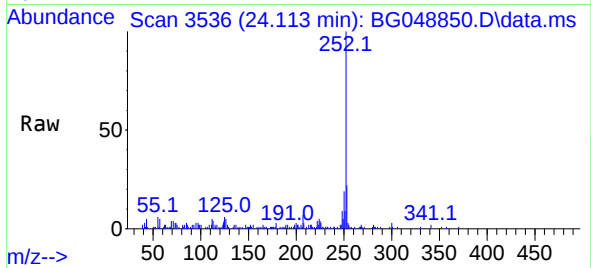
Tgt Ion: 252 Resp: 113340
Ion Ratio Lower Upper
252 100
253 22.1 16.2 24.4
125 5.8 3.0 4.4#





#89
Benzo(k)fluoranthene
Concen: 4.20 ng m
RT: 24.113 min Scan# 3536
Delta R.T. -0.006 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

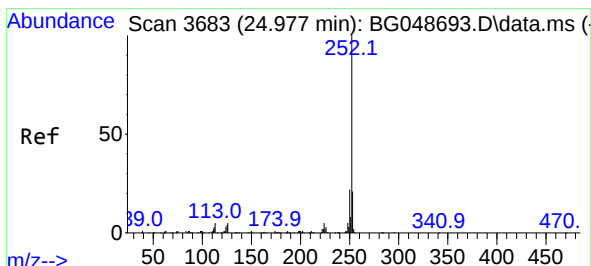
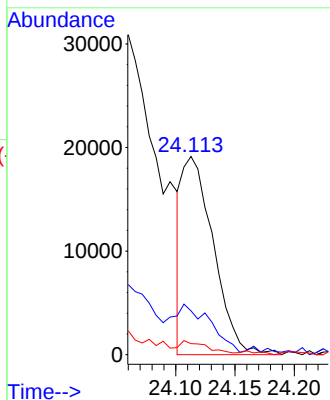
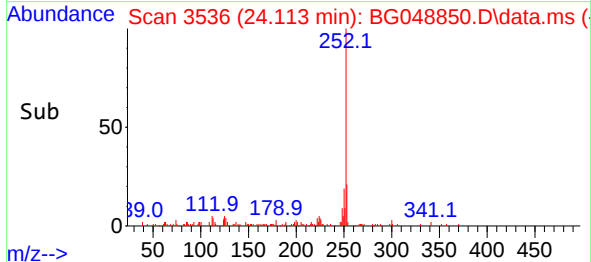
Instrument :
BNA_G
ClientSampleId :
VNPH2-B-12



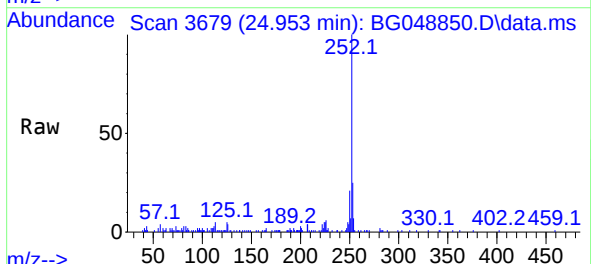
Tgt Ion:252 Resp: 35107
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 5.5 3.1 4.7#

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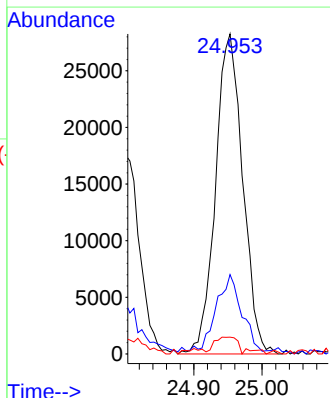
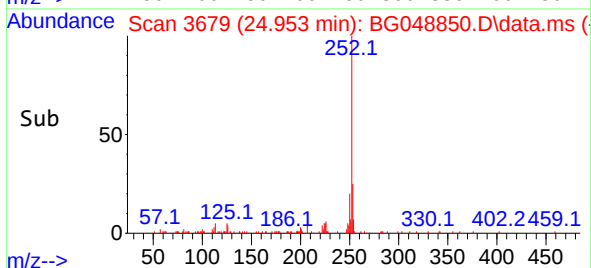
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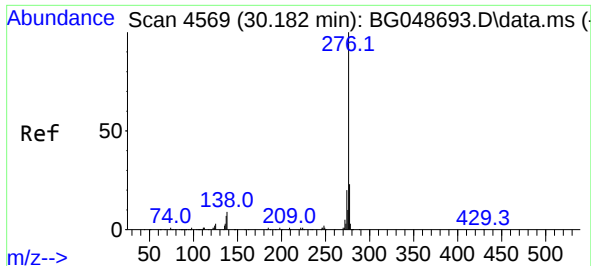


#90
Benzo(a)pyrene
Concen: 9.57 ng
RT: 24.953 min Scan# 3679
Delta R.T. -0.000 min
Lab File: BG048850.D
Acq: 22 Apr 2021 17:03

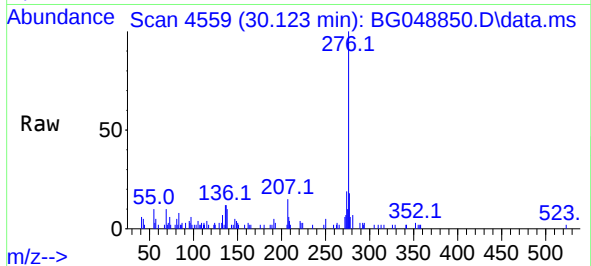


Tgt Ion:252 Resp: 78477
Ion Ratio Lower Upper
252 100
253 24.8 16.6 25.0
125 5.2 3.5 5.3

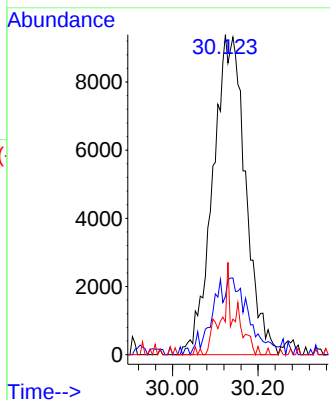
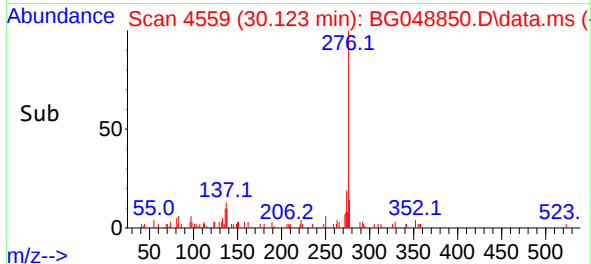




#92
 Benzo(g,h,i)perylene
 Concen: 6.09 ng m
 RT: 30.123 min Scan# 4559
 Delta R.T. -0.006 min
 Lab File: BG048850.D
 Acq: 22 Apr 2021 17:03



Tgt Ion:	276	Resp:	49644
Ion Ratio	Lower	Upper	
276	100		
277	18.2	18.4	27.6#
138	10.2	7.0	10.6



Instrument :
 BNA_G
 ClientSampleId :
 VNPH2-B-12

Manual Integrations
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