

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042221\
 Data File : BG048842.D
 Acq On : 22 Apr 2021 11:40
 Operator : CG/JU
 Sample : M2099-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

mohammad
 4/23/2021 4:00:38 PM

Quant Time: Apr 22 14:38:19 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	8.062	152	21125	20.00	ng	0.00
21) Naphthalene-d8	10.888	136	85302	20.00	ng	# 0.00
39) Acenaphthene-d10	14.724	164	56951	20.00	ng	0.00
64) Phenanthrene-d10	17.480	188	129404	20.00	ng	# 0.00
76) Chrysene-d12	21.781	240	122099	20.00	ng	0.00
86) Perylene-d12	25.112	264	125701	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.612	112	125153	99.09	ng	0.00
7) Phenol-d6	7.227	99	159156	89.08	ng	0.00
23) Nitrobenzene-d5	9.231	82	122556	64.32	ng	0.00
42) 2,4,6-Tribromophenol	16.217	330	65335	85.56	ng	0.00
45) 2-Fluorobiphenyl	13.338	172	234287	59.41	ng	0.00
79) Terphenyl-d14	20.095	244	347951	49.05	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.941	128	33400	7.63	ng	98
37) 2-Methylnaphthalene	12.551	142	18112	5.18	ng	98
38) 1-Methylnaphthalene	12.768	142	13969m	4.29	ng	
52) Acenaphthene	14.783	154	19593	6.15	ng	84
55) Dibenzofuran	15.118	168	22233	4.22	ng	# 93
58) Fluorene	15.770	166	19632	4.54	ng	93
71) Phenanthrene	17.521	178	54849	8.17	ng	99
75) Fluoranthene	19.536	202	51578	6.07	ng	95
78) Pyrene	19.901	202	45253	5.36	ng	97
81) Benzo(a)anthracene	21.757	228	21254m	2.55	ng	
83) Chrysene	21.822	228	26691	3.36	ng	# 95
88) Benzo(b)fluoranthene	24.055	252	32793	3.85	ng	# 97
90) Benzo(a)pyrene	24.942	252	18601	2.37	ng	96

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

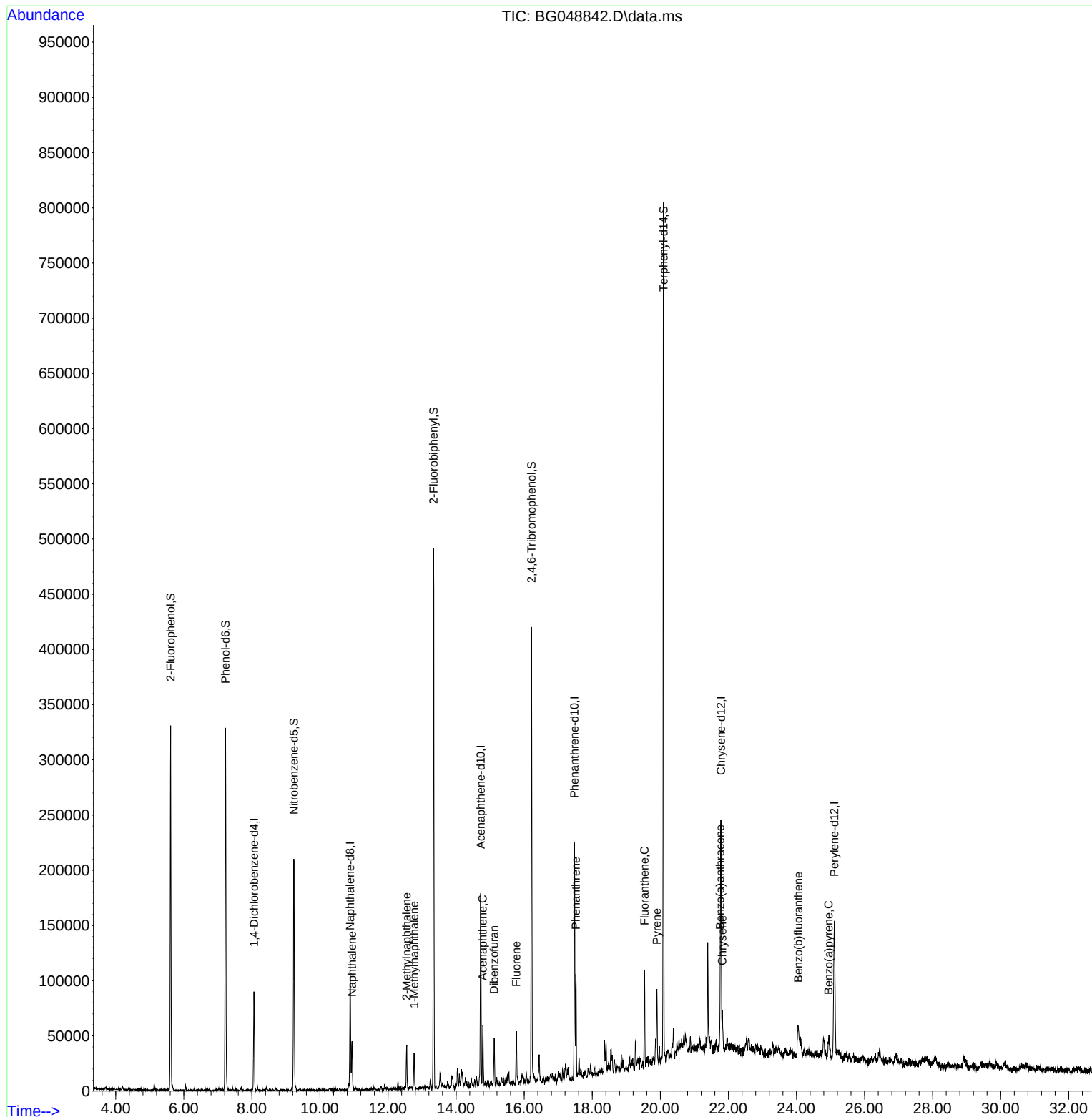
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042221\
Data File : BG048842.D
Acq On : 22 Apr 2021 11:40
Operator : CG/JU
Sample : M2099-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

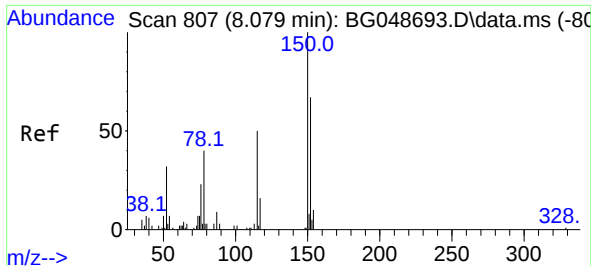
Instrument :
BNA_G
ClientSampleId :
TP-1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG041421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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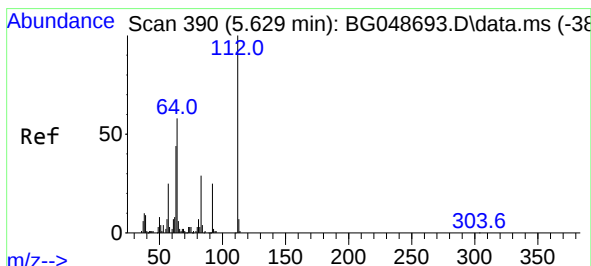
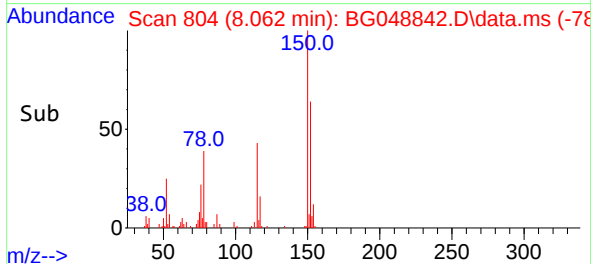
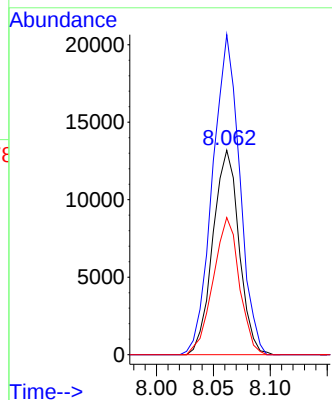
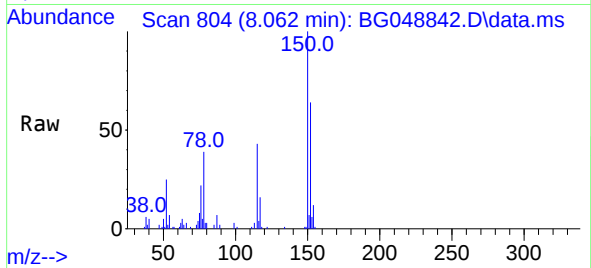
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.062 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:152 Resp: 21125
Ion Ratio Lower Upper
152 100
150 156.5 119.4 179.0
115 67.0 60.2 90.4

Instrument :
BNA_G
ClientSampled :
TP-1

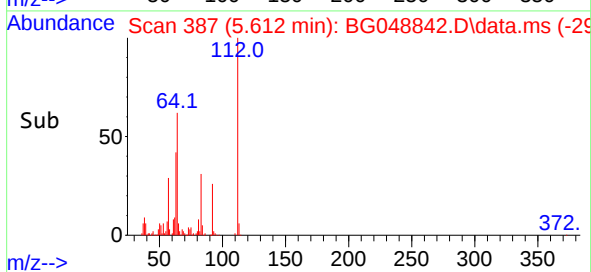
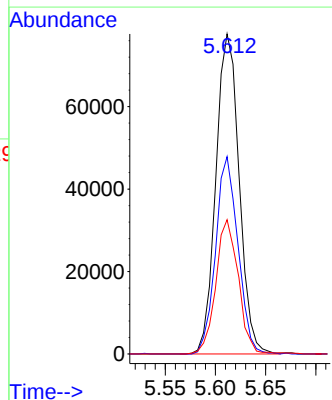
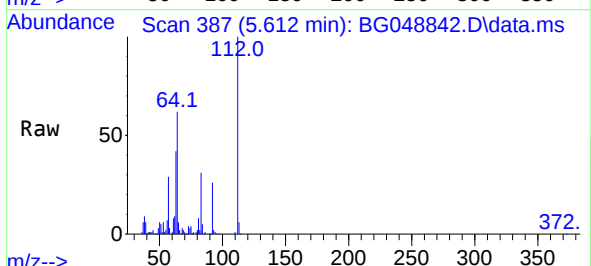
Manual Integrations
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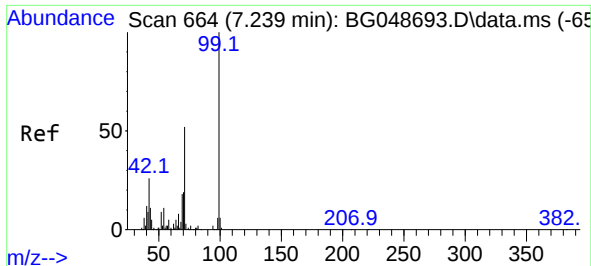
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#5
2-Fluorophenol
Concen: 99.09 ng
RT: 5.612 min Scan# 387
Delta R.T. 0.006 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

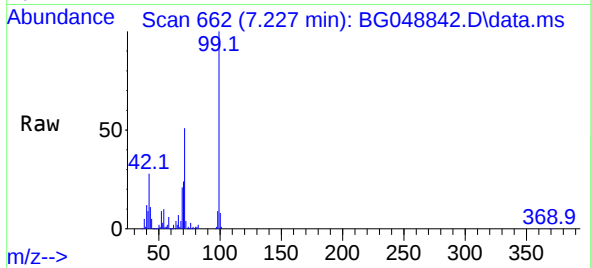
Tgt Ion:112 Resp: 125153
Ion Ratio Lower Upper
112 100
64 61.7 46.7 70.1
63 42.0 35.3 52.9





#7
Phenol-d6
Concen: 89.08 ng
RT: 7.227 min Scan# 662
Delta R.T. 0.006 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

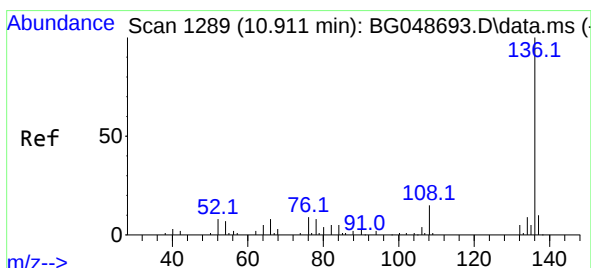
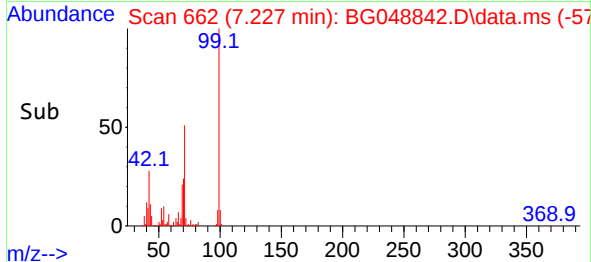
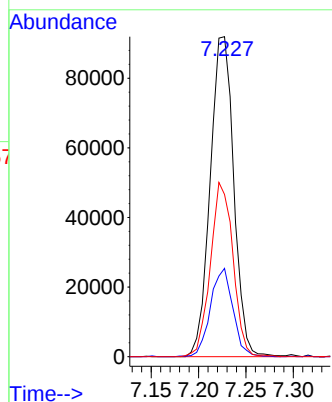
Instrument :
BNA_G
ClientSampled :
TP-1



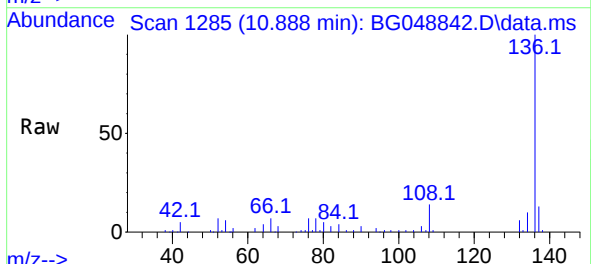
Tgt Ion: 99 Resp: 159156
Ion Ratio Lower Upper
99 100
42 27.6 20.5 30.7
71 50.7 41.5 62.3

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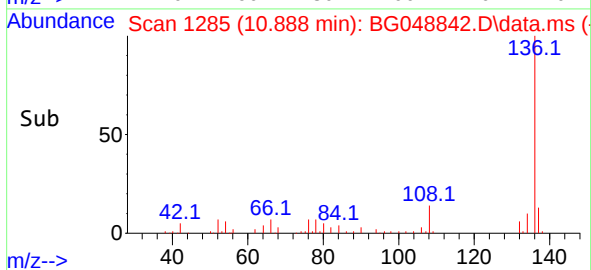
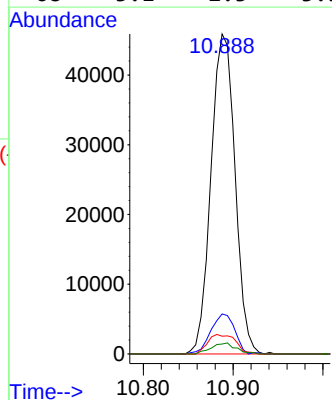
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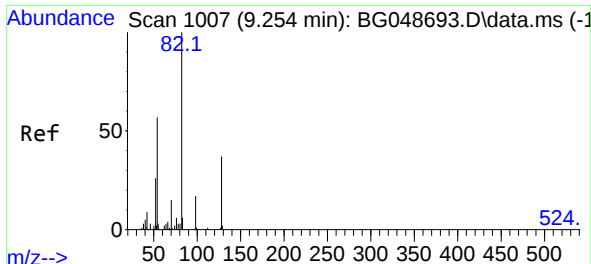


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.888 min Scan# 1285
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40



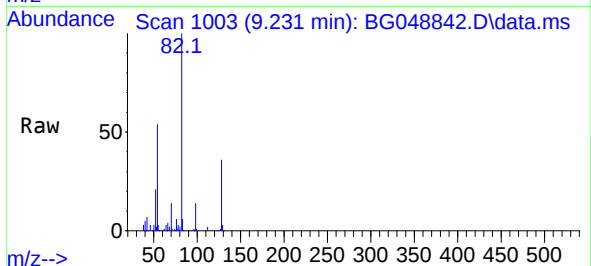
Tgt Ion: 136 Resp: 85302
Ion Ratio Lower Upper
136 100
137 12.5 8.2 12.2#
54 5.5 5.5 8.3
68 3.1 2.3 3.5





#23
Nitrobenzene-d5
Concen: 64.32 ng
RT: 9.231 min Scan# 1003
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

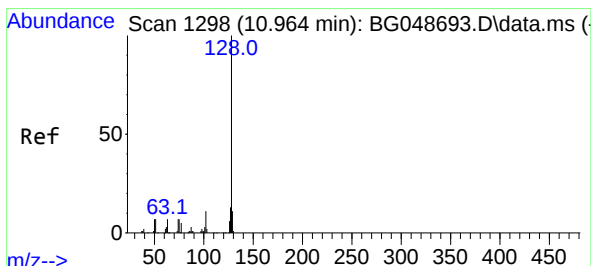
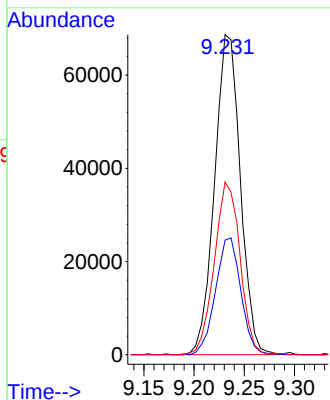
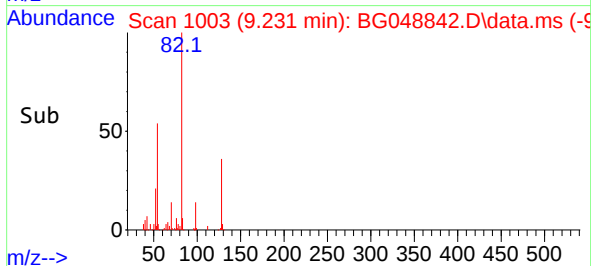
Instrument :
BNA_G
ClientSampled :
TP-1



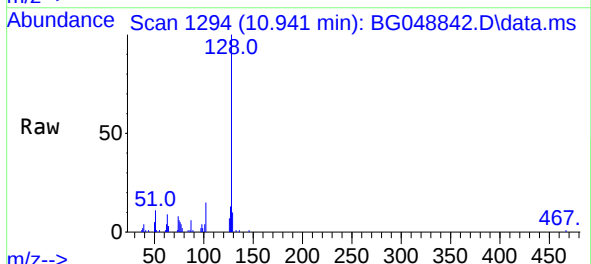
Tgt Ion: 82 Resp: 122556
Ion Ratio Lower Upper
82 100
128 35.8 29.8 44.6
54 53.9 45.8 68.8

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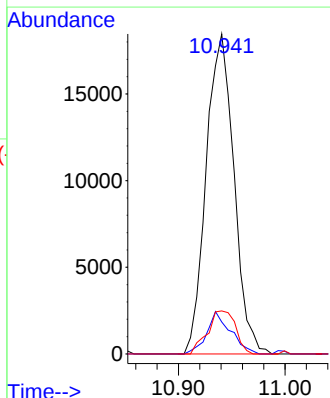
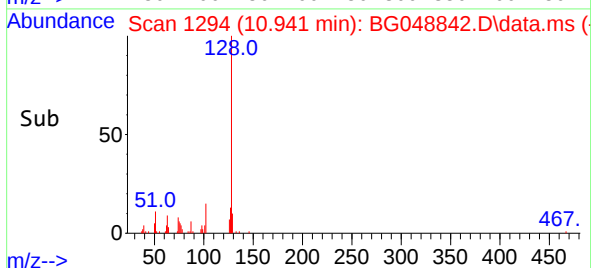
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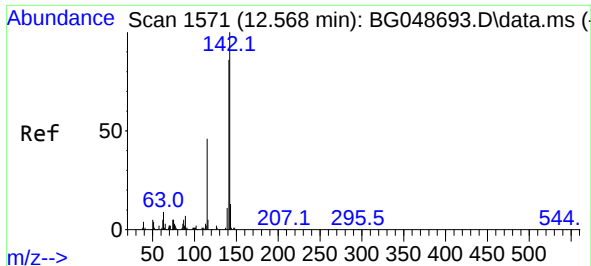


#31
Naphthalene
Concen: 7.63 ng
RT: 10.941 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40



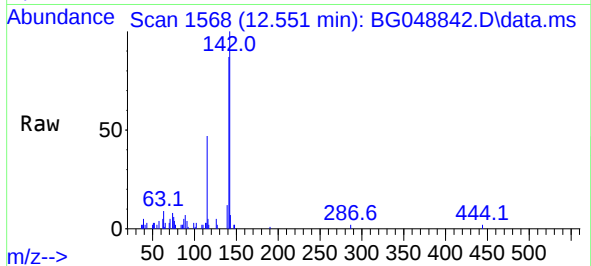
Tgt Ion: 128 Resp: 33400
Ion Ratio Lower Upper
128 100
129 10.0 8.5 12.7
127 13.5 10.2 15.4





#37
2-Methylnaphthalene
Concen: 5.18 ng
RT: 12.551 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

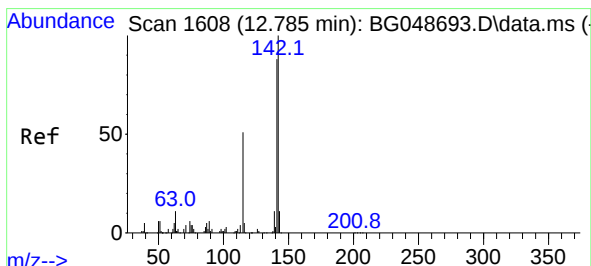
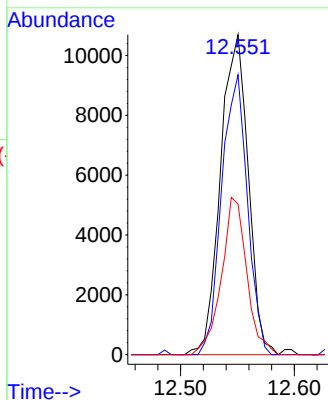
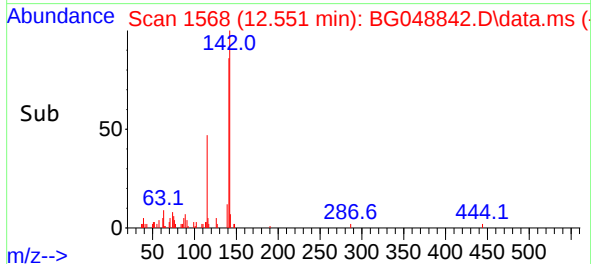
Instrument :
BNA_G
ClientSampled :
TP-1



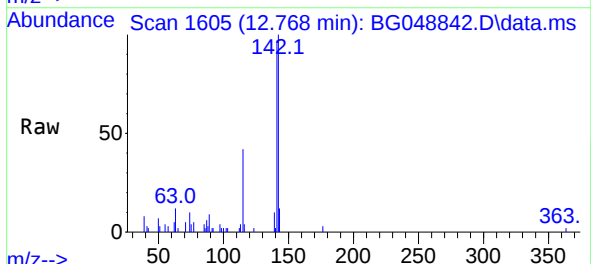
Tgt Ion:142 Resp: 18112
Ion Ratio Lower Upper
142 100
141 87.4 68.8 103.2
115 47.0 36.4 54.6

Manual Integrations
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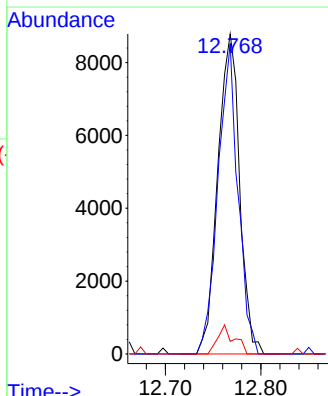
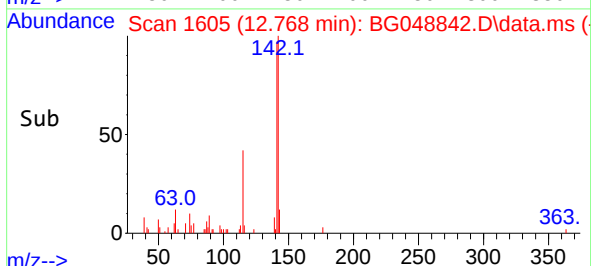
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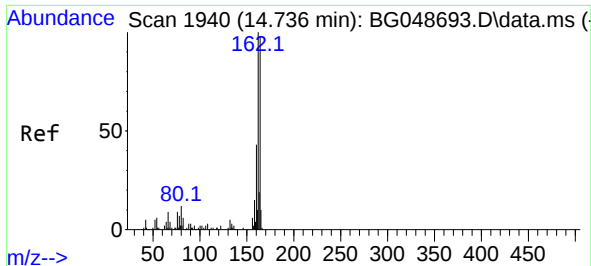


#38
1-Methylnaphthalene
Concen: 4.29 ng m
RT: 12.768 min Scan# 1605
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

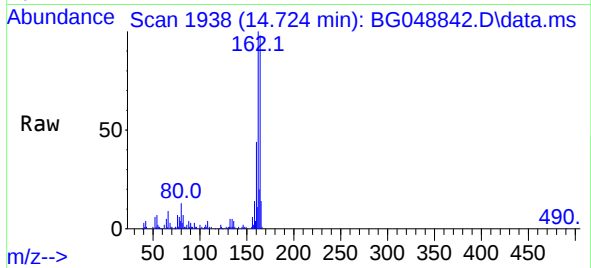


Tgt Ion:142 Resp: 13969
Ion Ratio Lower Upper
142 100
141 97.1 70.6 106.0
116 4.0 4.0 6.0#



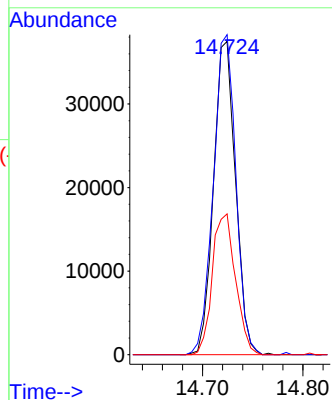


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.724 min Scan# 1938
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40



Tgt Ion:164 Resp: 56951

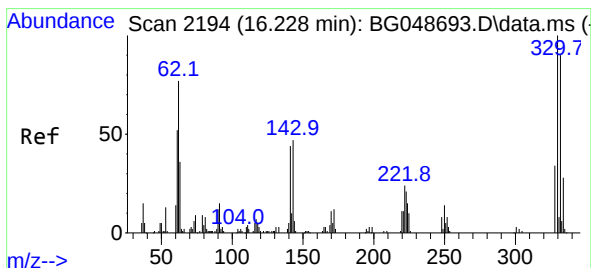
Ion	Ratio	Lower	Upper
164	100		
162	102.1	81.4	122.0
160	45.0	34.9	52.3



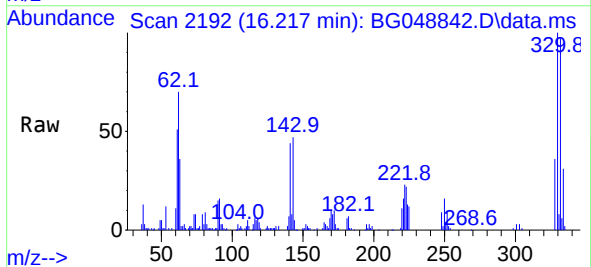
Instrument :
BNA_G
ClientSampled :
TP-1

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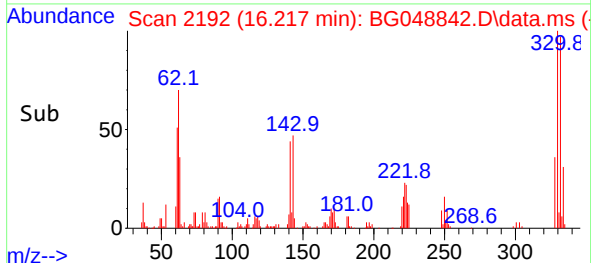
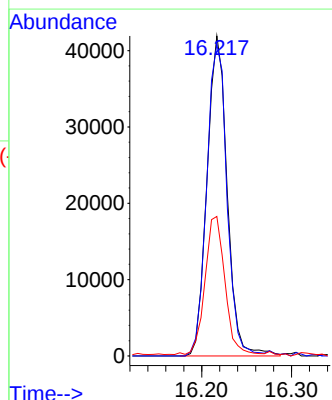


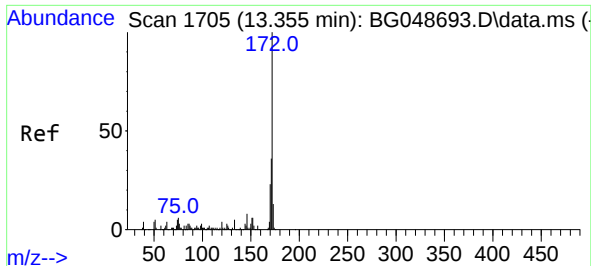
#42
2,4,6-Tribromophenol
Concen: 85.56 ng
RT: 16.217 min Scan# 2192
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40



Tgt Ion:330 Resp: 65335

Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.3	115.9
141	42.4	35.6	53.4





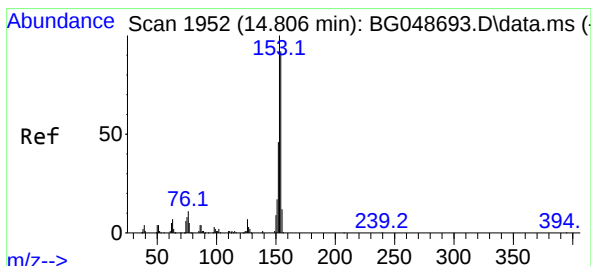
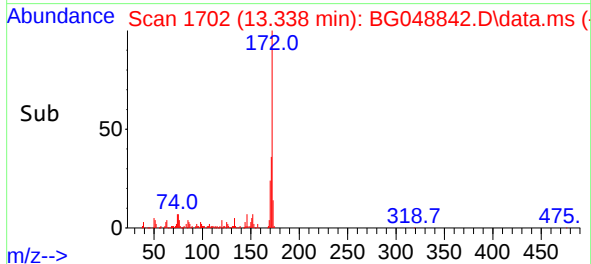
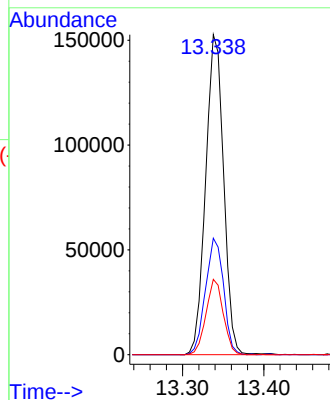
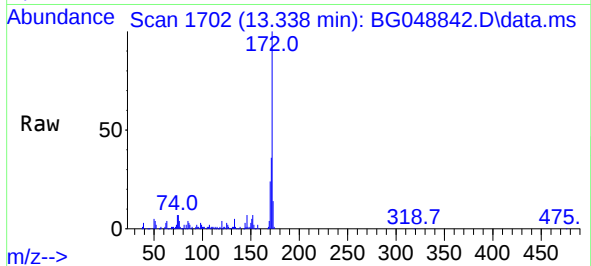
#45
2-Fluorobiphenyl
Concen: 59.41 ng
RT: 13.338 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:172 Resp: 234287
Ion Ratio Lower Upper
172 100
171 36.4 28.6 43.0
170 23.6 18.6 27.8

Instrument :
BNA_G
ClientSampled :
TP-1

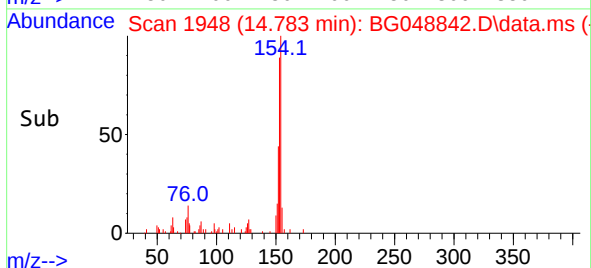
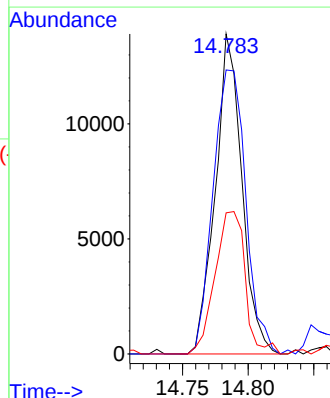
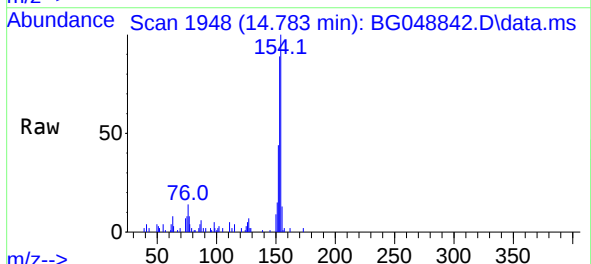
Manual Integrations
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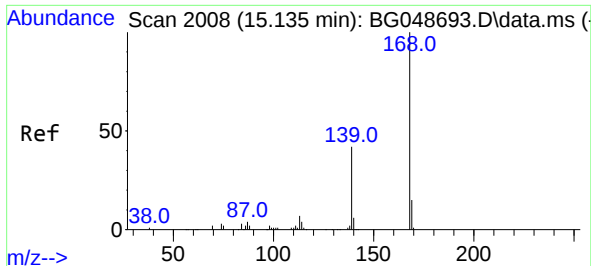
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#52
Acenaphthene
Concen: 6.15 ng
RT: 14.783 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:154 Resp: 19593
Ion Ratio Lower Upper
154 100
153 88.7 87.0 130.4
152 44.1 40.1 60.1





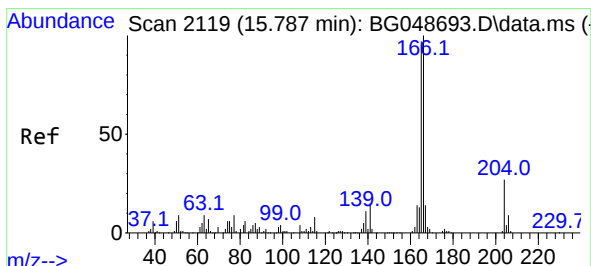
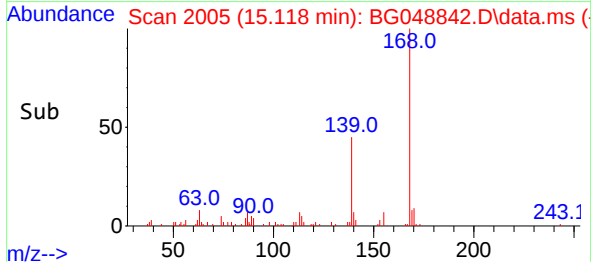
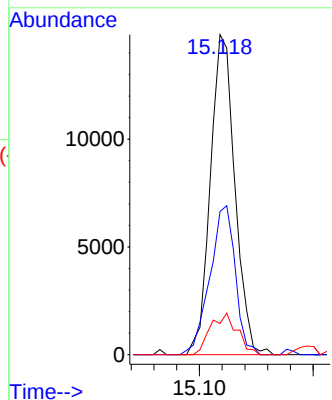
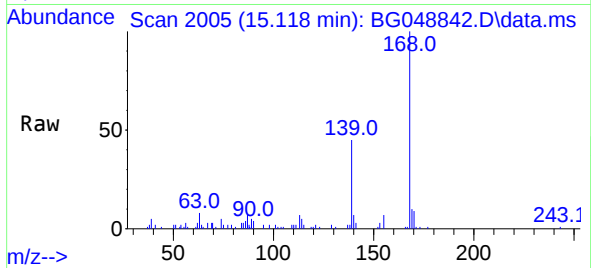
#55
Dibenzenofuran
Concen: 4.22 ng
RT: 15.118 min Scan# 2005
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion	Ratio	Lower	Upper
168	100		
139	44.8	33.4	50.2
169	9.8	12.3	18.5#

Instrument :
BNA_G
ClientSampled :
TP-1

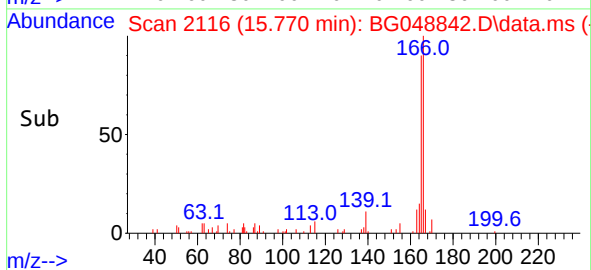
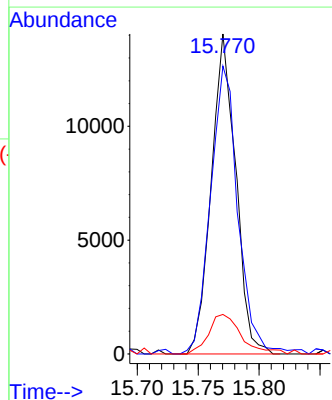
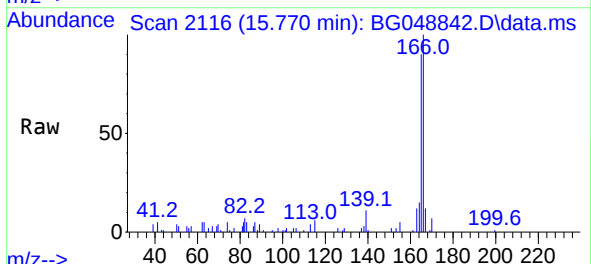
Manual Integrations
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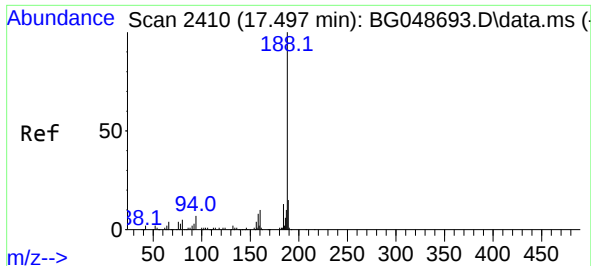
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#58
Fluorene
Concen: 4.54 ng
RT: 15.770 min Scan# 2116
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion	Ratio	Lower	Upper
166	100		
165	90.0	77.7	116.5
167	12.4	10.8	16.2





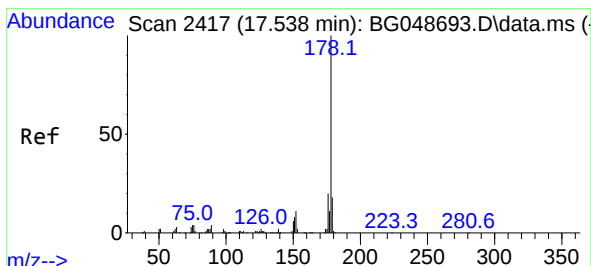
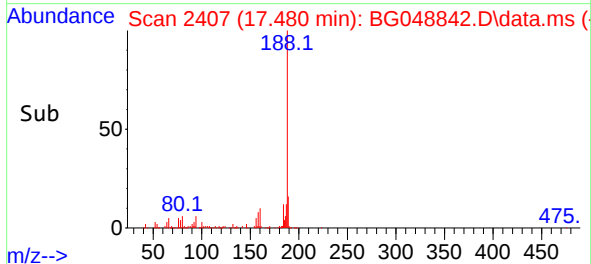
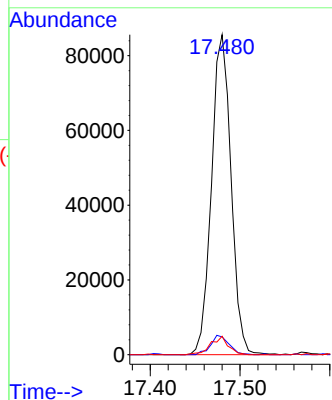
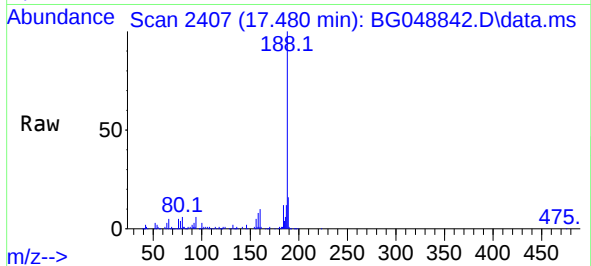
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.480 min Scan# 2407
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:188 Resp: 129404
Ion Ratio Lower Upper
188 100
94 5.6 5.4 8.0
80 5.8 3.7 5.5#

Instrument :
BNA_G
ClientSampled :
TP-1

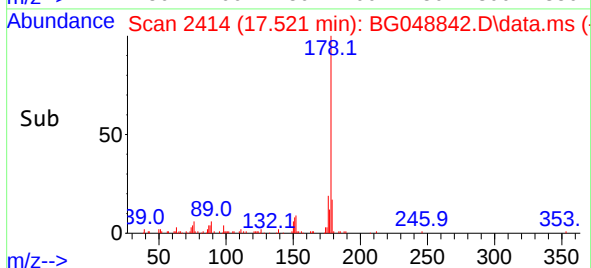
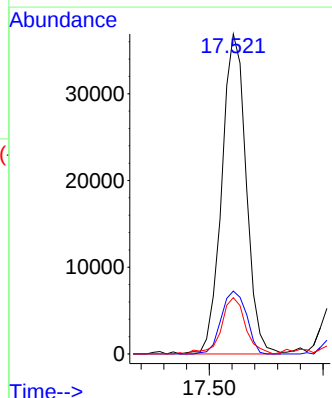
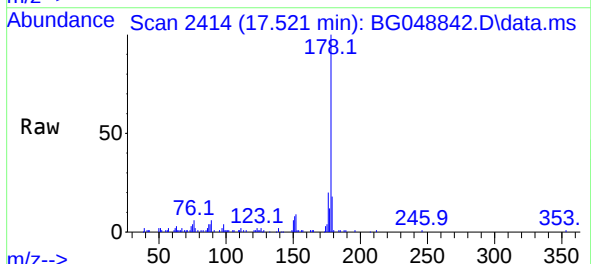
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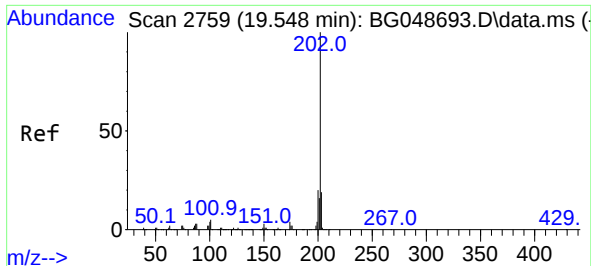
mohammad
4/23/2021 4:00:38 PM



#71
Phenanthrene
Concen: 8.17 ng
RT: 17.521 min Scan# 2414
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:178 Resp: 54849
Ion Ratio Lower Upper
178 100
176 19.7 16.0 24.0
179 17.6 14.2 21.4





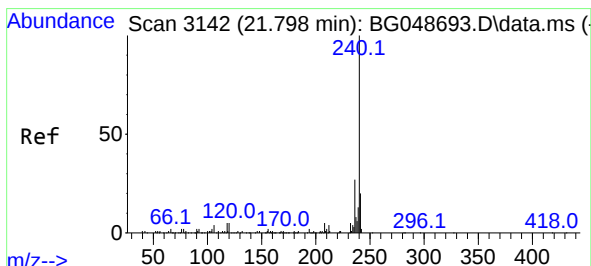
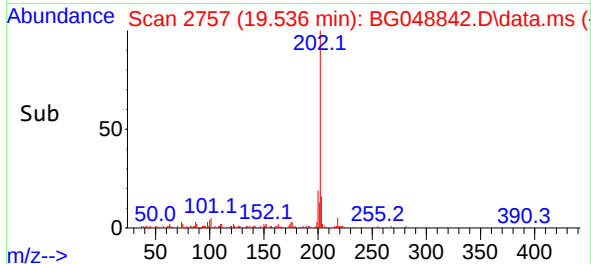
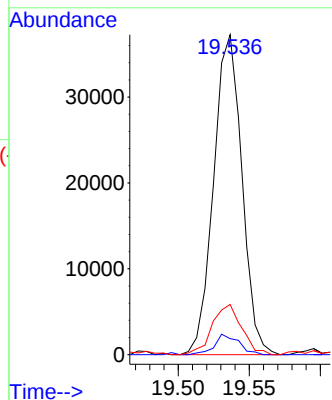
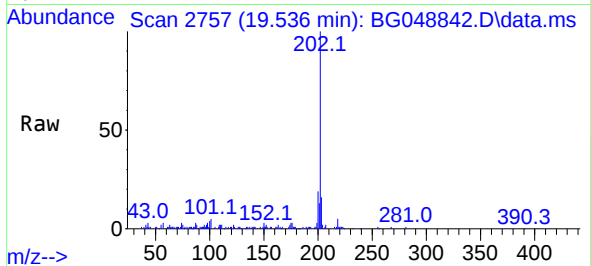
#75
Fluoranthene
Concen: 6.07 ng
RT: 19.536 min Scan# 2757
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:202 Resp: 51578
Ion Ratio Lower Upper
202 100
101 5.0 0.0 24.7
203 15.7 0.0 38.5

Instrument :
BNA_G
ClientSampled :
TP-1

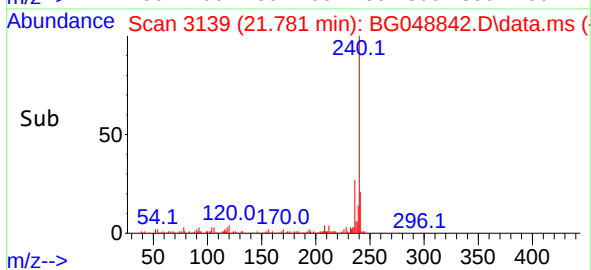
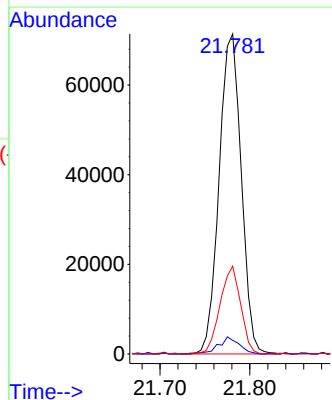
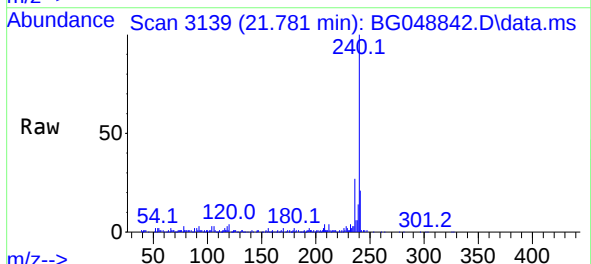
Manual Integrations
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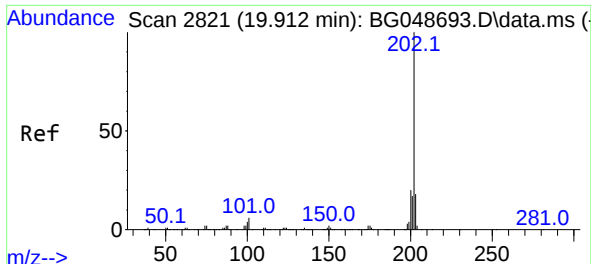
mohammad
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#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.781 min Scan# 3139
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:240 Resp: 122099
Ion Ratio Lower Upper
240 100
120 4.2 4.2 6.2
236 27.5 21.8 32.6





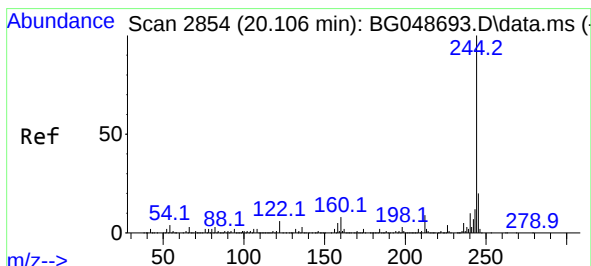
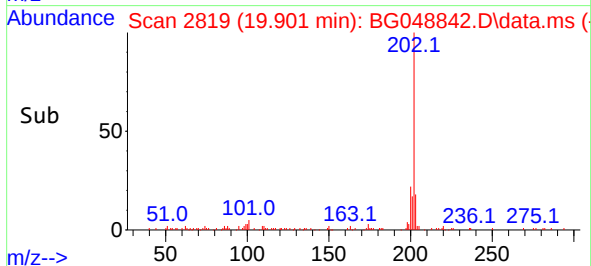
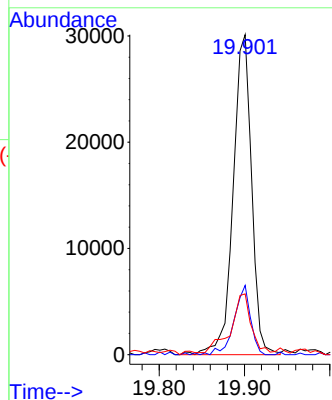
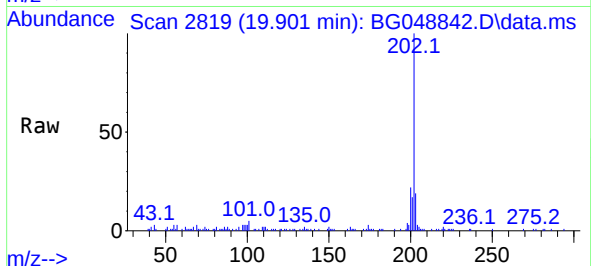
#78
Pyrene
Concen: 5.36 ng
RT: 19.901 min Scan# 2819
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:	202	Resp:	45253
Ion Ratio	Lower	Upper	
202	100		
200	21.7	15.8	23.8
203	19.0	14.6	21.8

Instrument :
BNA_G
ClientSampled :
TP-1

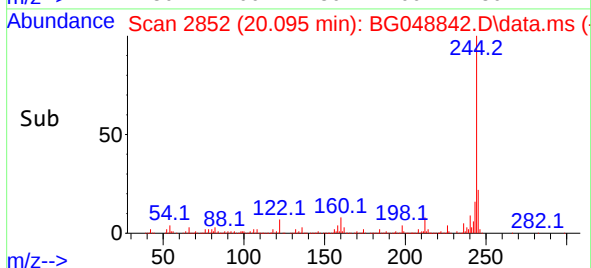
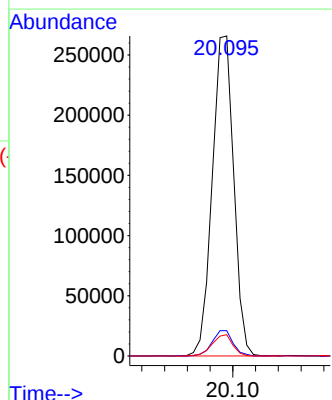
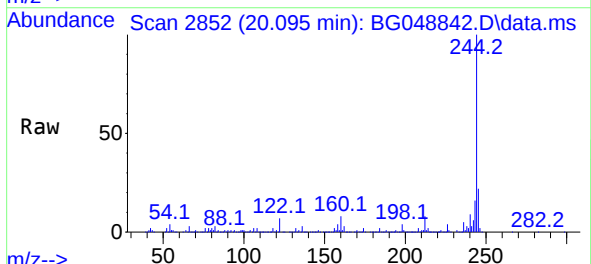
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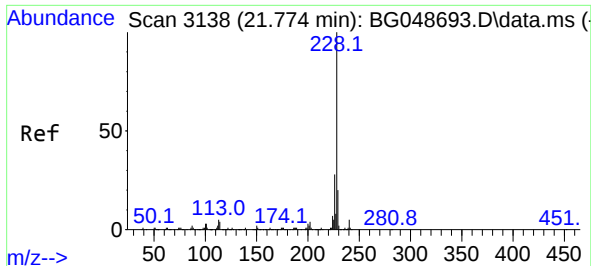
mohammad
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#79
Terphenyl-d14
Concen: 49.05 ng
RT: 20.095 min Scan# 2852
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:	244	Resp:	347951
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.9	10.3
122	6.6	5.0	7.6





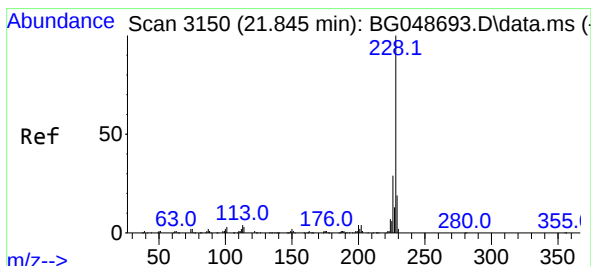
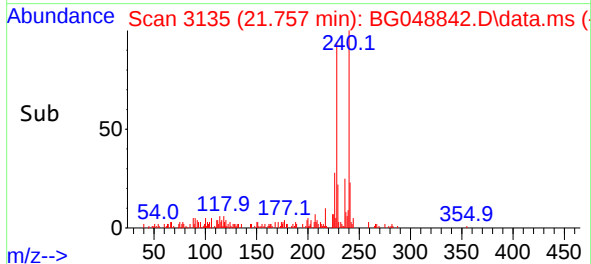
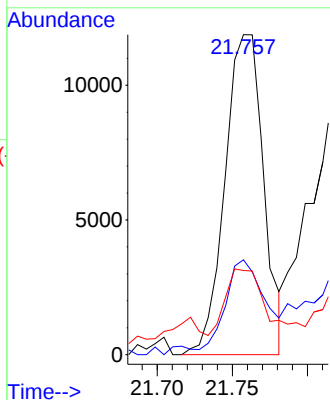
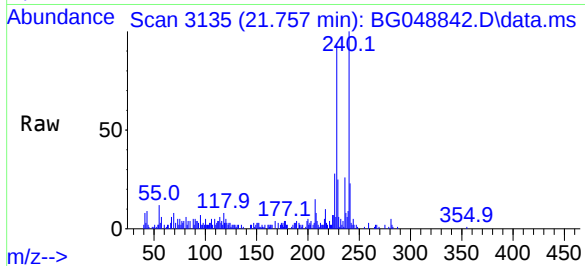
#81
Benzo(a)anthracene
Concen: 2.55 ng m
RT: 21.757 min Scan# 3135
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:228 Resp: 21254
Ion Ratio Lower Upper
228 100
226 29.7 22.7 34.1
229 26.3 16.0 24.0#

Instrument :
BNA_G
ClientSampled :
TP-1

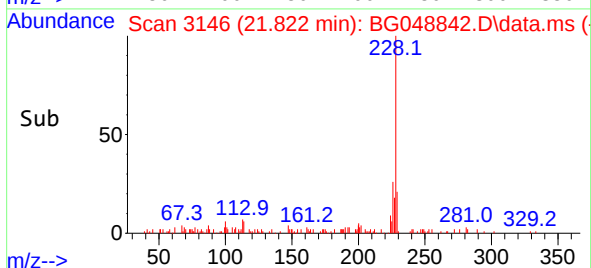
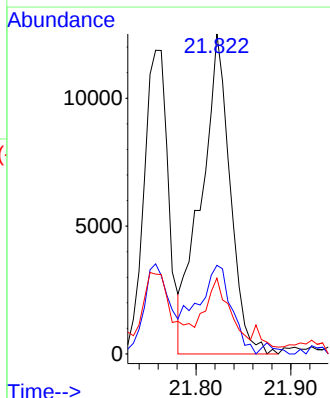
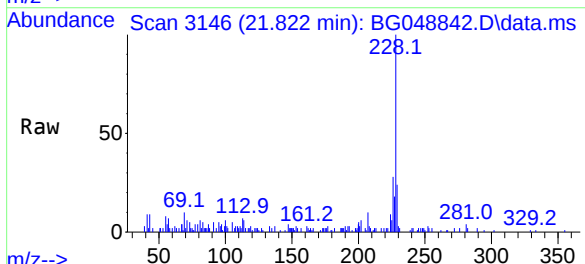
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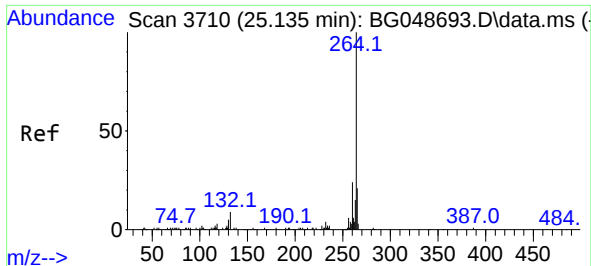
mohammad
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#83
Chrysene
Concen: 3.36 ng
RT: 21.822 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

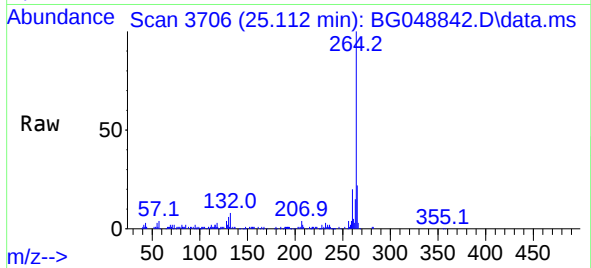
Tgt Ion:228 Resp: 26691
Ion Ratio Lower Upper
228 100
226 27.7 23.1 34.7
229 23.7 15.3 22.9#





#86
Perylene-d12
Concen: 20.00 ng
RT: 25.112 min Scan# 3706
Delta R.T. 0.000 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

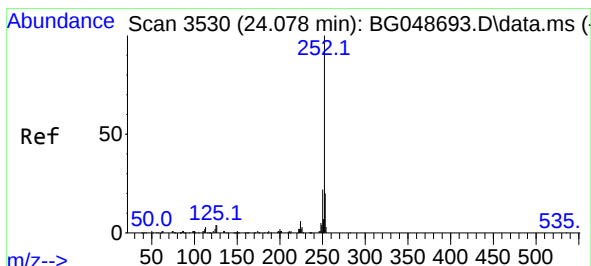
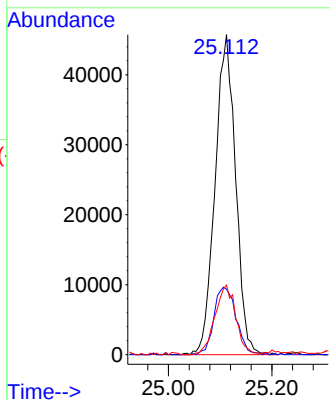
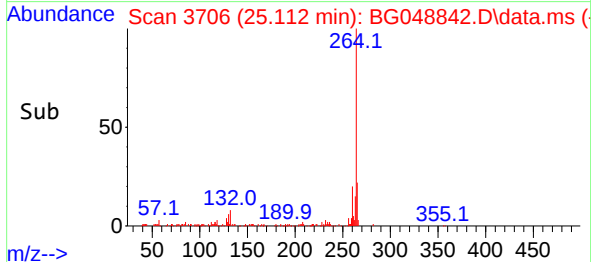
Instrument :
BNA_G
ClientSampled :
TP-1



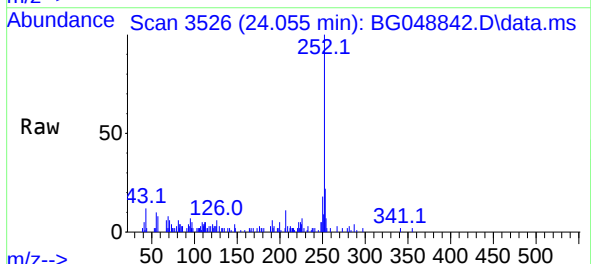
Tgt Ion:264 Resp: 125701
Ion Ratio Lower Upper
264 100
260 20.4 19.4 29.2
265 21.7 16.9 25.3

Manual Integrations
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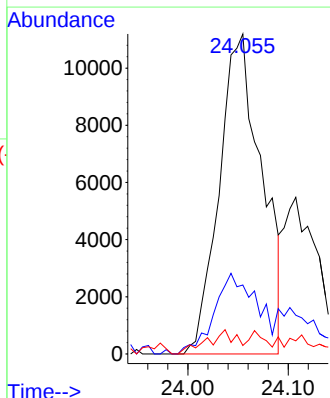
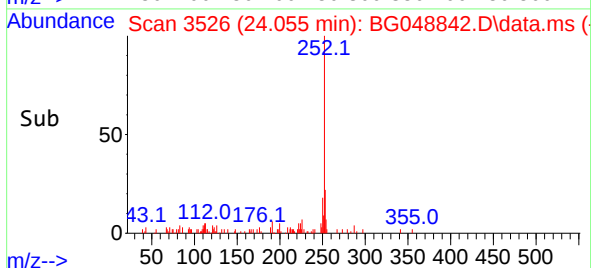
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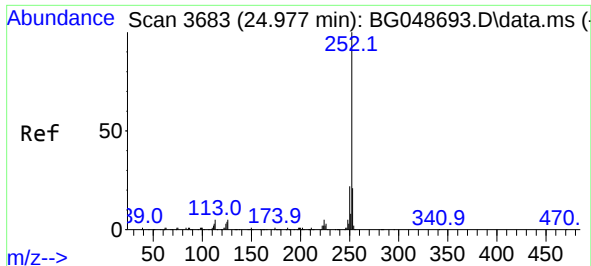


#88
Benzo(b)fluoranthene
Concen: 3.85 ng
RT: 24.055 min Scan# 3526
Delta R.T. 0.006 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40



Tgt Ion:252 Resp: 32793
Ion Ratio Lower Upper
252 100
253 21.6 16.2 24.4
125 2.6 3.0 4.4#





#90
Benzo(a)pyrene
Concen: 2.37 ng
RT: 24.942 min Scan# 3677
Delta R.T. -0.011 min
Lab File: BG048842.D
Acq: 22 Apr 2021 11:40

Tgt Ion:	252	Resp:	18601
Ion Ratio	Lower	Upper	
252	100		
253	19.0	16.6	25.0
125	3.7	3.5	5.3

Instrument :
BNA_G
ClientSampleId :
TP-1

Manual Integrations
APPROVED

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