

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042221\
 Data File : BG048849.D
 Acq On : 22 Apr 2021 16:23
 Operator : CG/JU
 Sample : M2099-03
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-2

Manual Integrations
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Quant Time: Apr 22 17:27:42 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	22488	20.00	ng	0.00
21) Naphthalene-d8	10.888	136	97802	20.00	ng	0.00
39) Acenaphthene-d10	14.725	164	60004	20.00	ng	0.00
64) Phenanthrene-d10	17.480	188	131808	20.00	ng	# 0.00
76) Chrysene-d12	21.781	240	120424	20.00	ng	0.00
86) Perylene-d12	25.112	264	122934	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.612	112	160583	119.43	ng	0.00
7) Phenol-d6	7.228	99	198567	104.41	ng	0.00
23) Nitrobenzene-d5	9.237	82	157203	71.96	ng	0.00
42) 2,4,6-Tribromophenol	16.217	330	77512	96.34	ng	0.00
45) 2-Fluorobiphenyl	13.338	172	290237	69.85	ng	0.00
79) Terphenyl-d14	20.095	244	404388	57.80	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.251	94	3752	2.01	ng	# 73
31) Naphthalene	10.941	128	13533	2.70	ng	# 94
37) 2-Methylnaphthalene	12.545	142	10350m	2.58	ng	
38) 1-Methylnaphthalene	12.774	142	8900	2.39	ng	# 88
50) Dimethylphthalate	14.161	163	9131	2.03	ng	# 94
52) Acenaphthene	14.783	154	8889	2.65	ng	93
55) Dibenzofuran	15.124	168	19452	3.50	ng	# 85
58) Fluorene	15.770	166	16893m	3.70	ng	
71) Phenanthrene	17.521	178	57095	8.35	ng	96
72) Anthracene	17.615	178	17020	2.51	ng	93
75) Fluoranthene	19.537	202	84812	9.80	ng	98
78) Pyrene	19.901	202	73143	8.78	ng	97
81) Benzo(a)anthracene	21.763	228	35863	4.36	ng	98
83) Chrysene	21.822	228	45062m	5.75	ng	
87) Indeno(1,2,3-cd)pyrene	28.926	276	25566	2.83	ng	# 60
88) Benzo(b)fluoranthene	24.043	252	63009	7.56	ng	# 94
89) Benzo(k)fluoranthene	24.114	252	15724	2.00	ng	# 92
90) Benzo(a)pyrene	24.948	252	28588	3.72	ng	# 93
92) Benzo(g,h,i)perylene	30.130	276	23848	3.12	ng	# 87

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

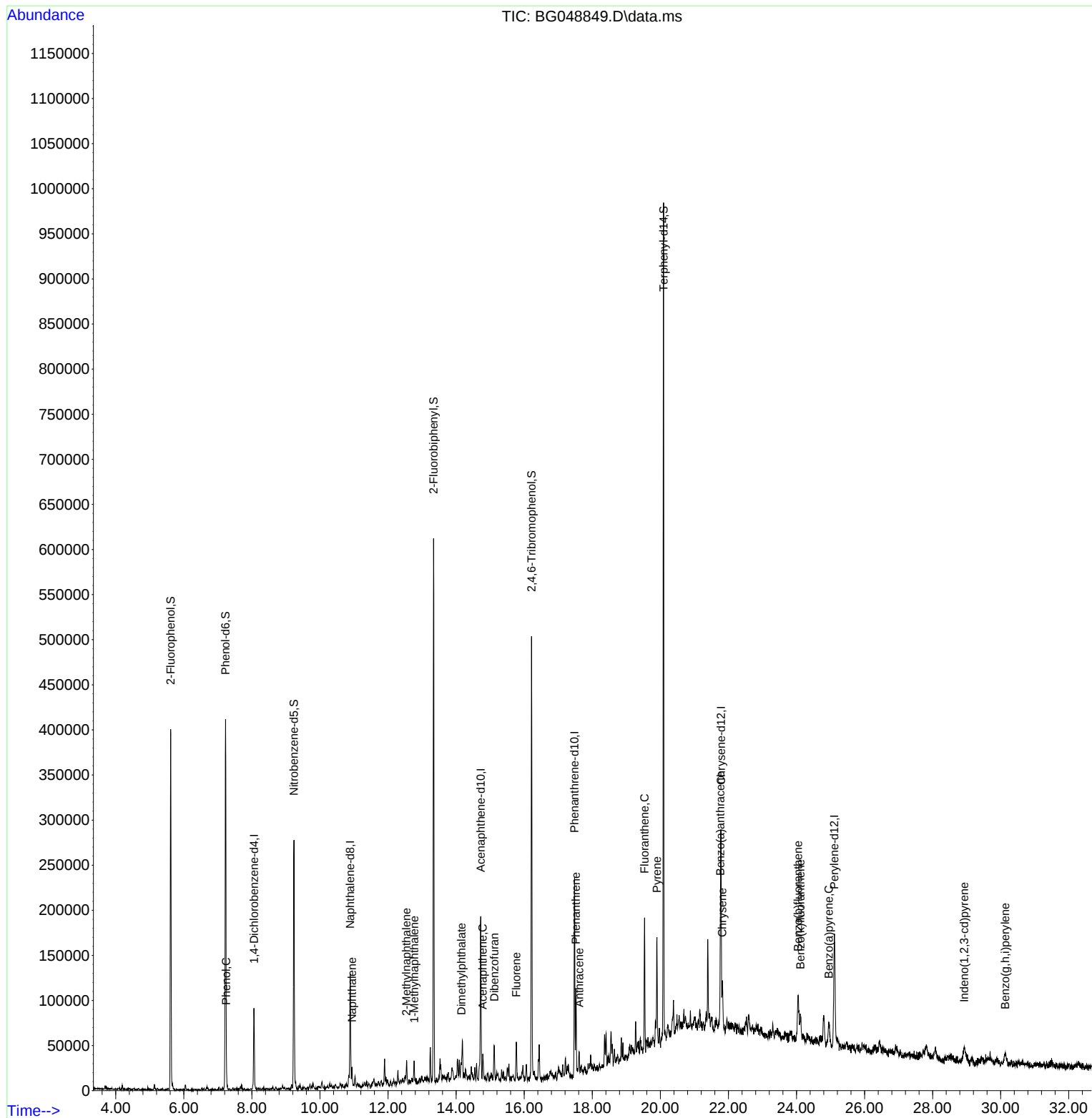
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042221\
Data File : BG048849.D
Acq On : 22 Apr 2021 16:23
Operator : CG/JU
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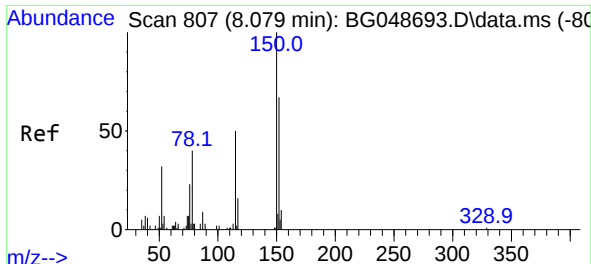
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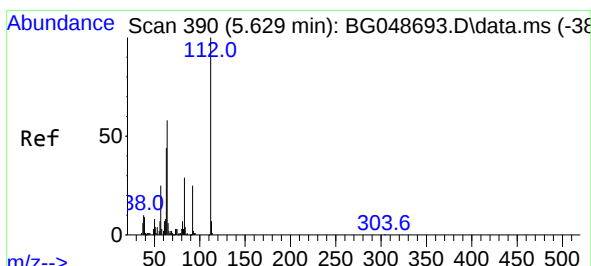
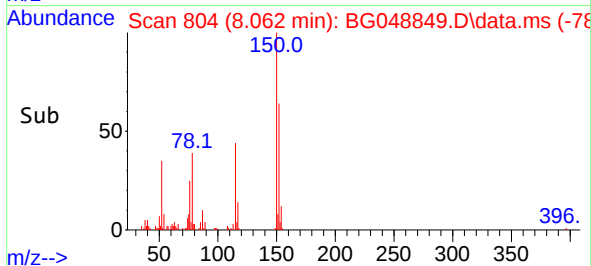
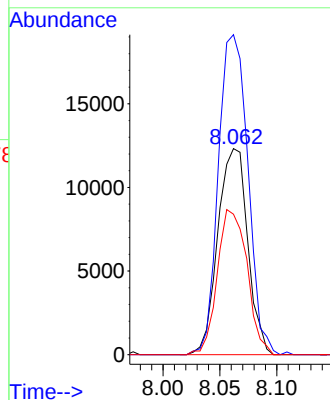
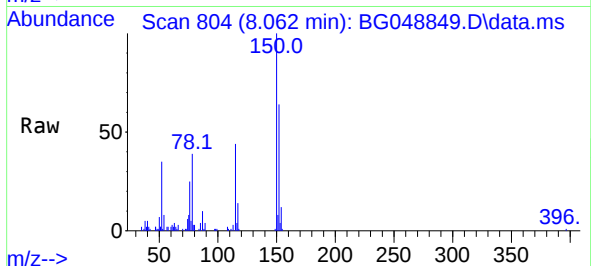
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.062 min Scan# 804
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:152 Resp: 22488
Ion Ratio Lower Upper
152 100
150 155.3 119.4 179.0
115 68.2 60.2 90.4

Instrument :
BNA_G
ClientSampled :
TP-2

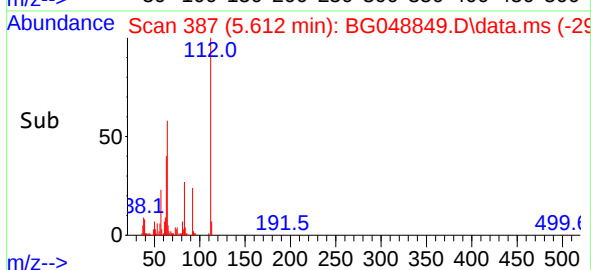
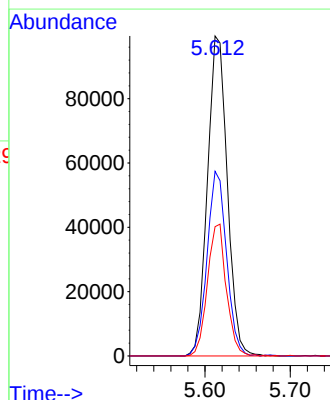
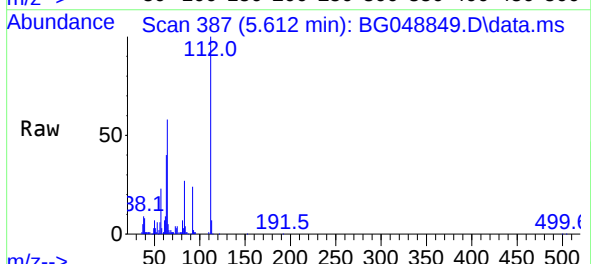
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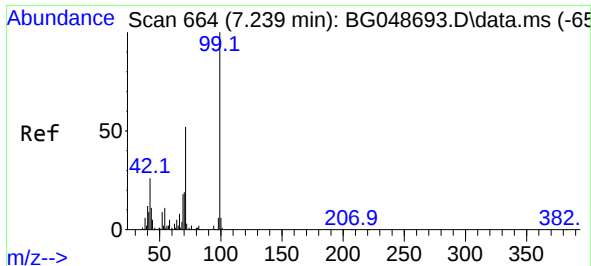
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#5
2-Fluorophenol
Concen: 119.43 ng
RT: 5.612 min Scan# 387
Delta R.T. 0.006 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:112 Resp: 160583
Ion Ratio Lower Upper
112 100
64 57.7 46.7 70.1
63 40.4 35.3 52.9





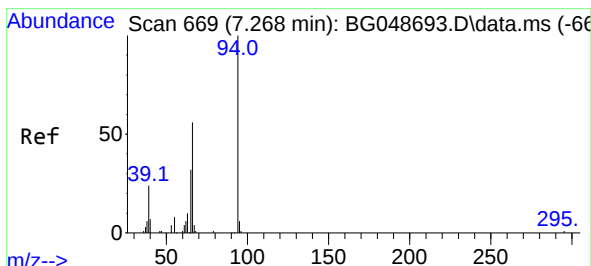
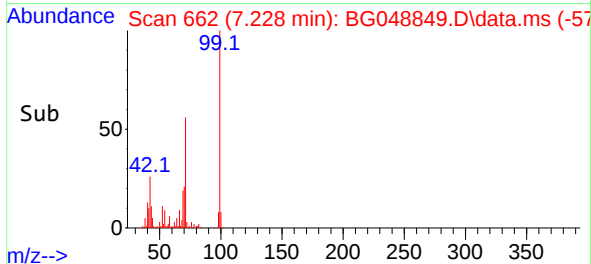
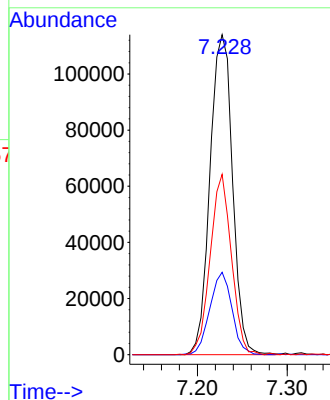
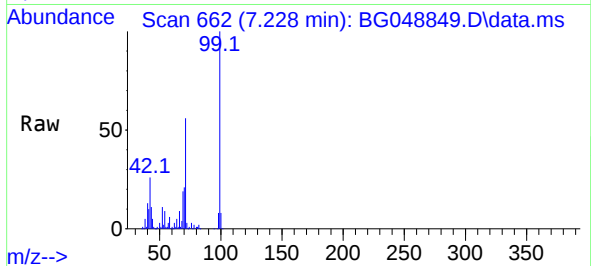
#7
Phenol-d6
Concen: 104.41 ng
RT: 7.228 min Scan# 662
Delta R.T. 0.006 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:	99	Resp:	198567
Ion	Ratio	Lower	Upper
99	100		
42	25.7	20.5	30.7
71	56.4	41.5	62.3

Instrument :
BNA_G
ClientSampled :
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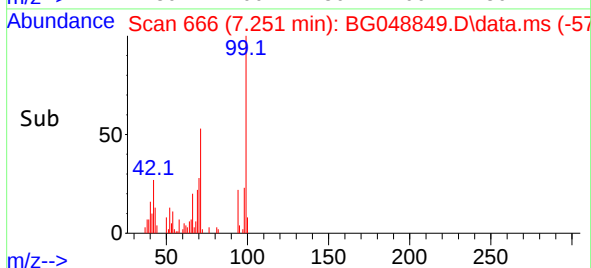
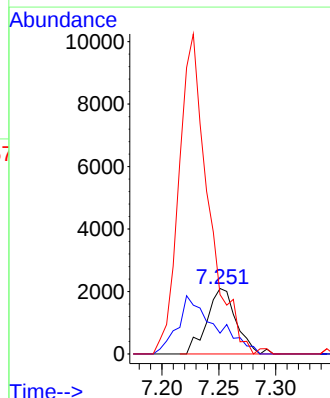
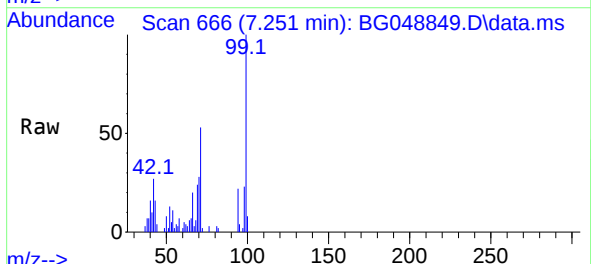
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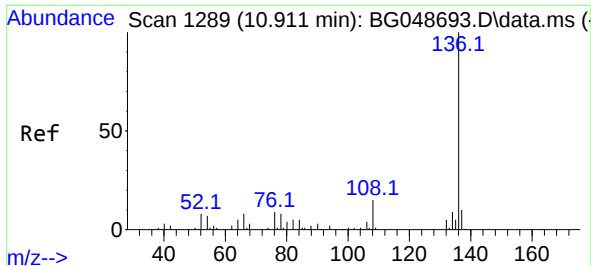
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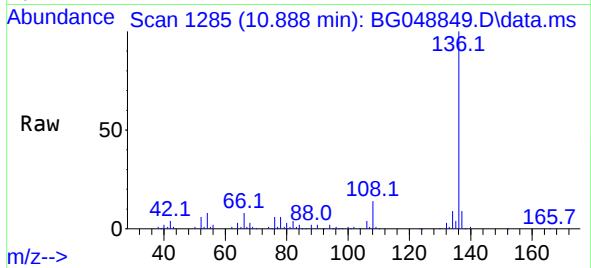
#10
Phenol
Concen: 2.01 ng
RT: 7.251 min Scan# 666
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:	94	Resp:	3752
Ion	Ratio	Lower	Upper
94	100		
65	31.7	12.9	52.9
66	90.6	39.4	79.4#

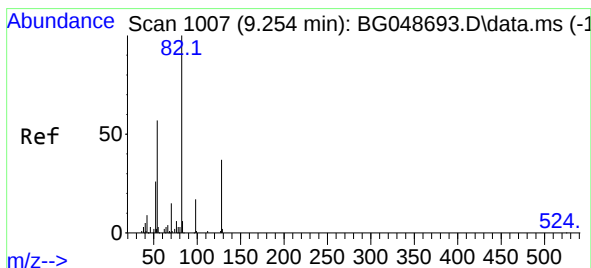
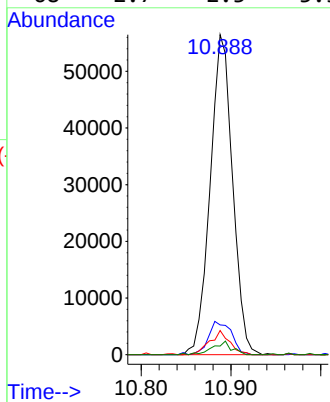
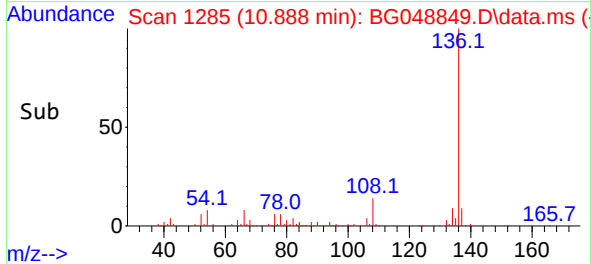




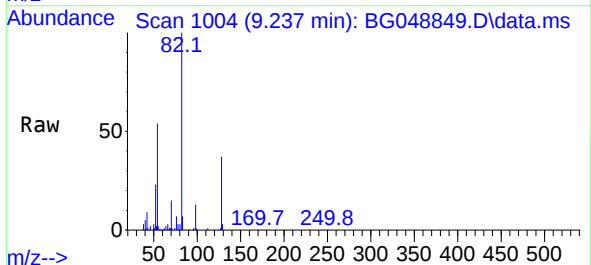
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.888 min Scan# 1285
Delta R.T. -0.005 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



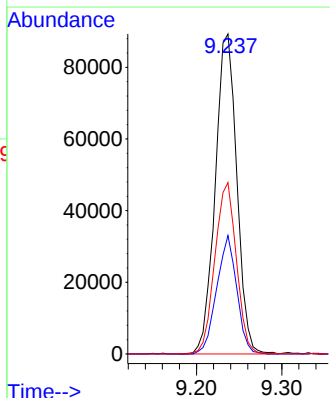
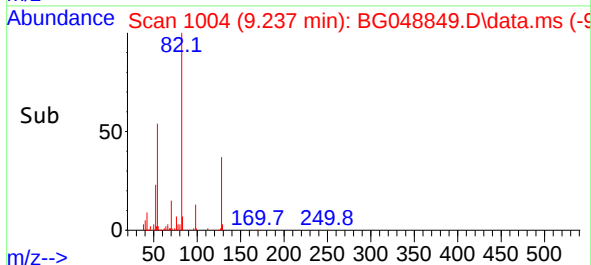
Tgt Ion:	136	Resp:	97802
Ion Ratio	Lower	Upper	
136	100		
137	9.3	8.2	12.2
54	7.6	5.5	8.3
68	2.7	2.3	3.5



#23
Nitrobenzene-d5
Concen: 71.96 ng
RT: 9.237 min Scan# 1004
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



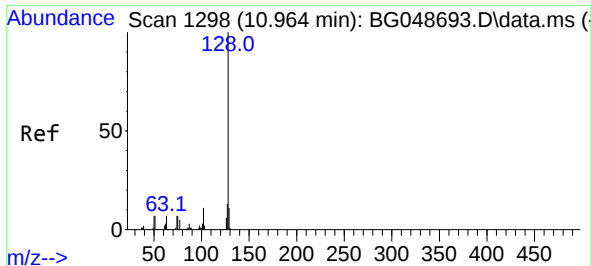
Tgt Ion:	82	Resp:	157203
Ion Ratio	Lower	Upper	
82	100		
128	37.0	29.8	44.6
54	53.5	45.8	68.8



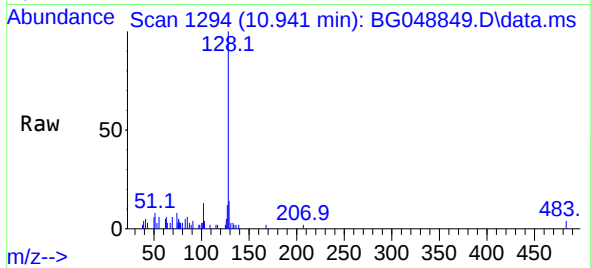
Instrument :
BNA_G
ClientSampled :
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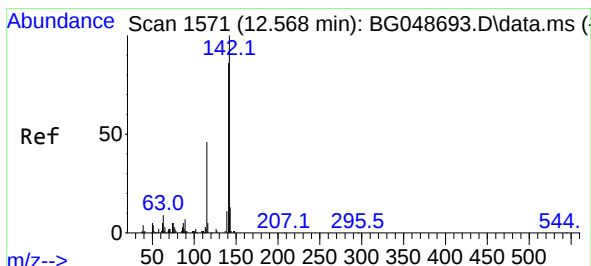
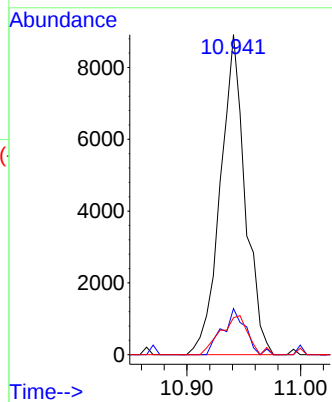
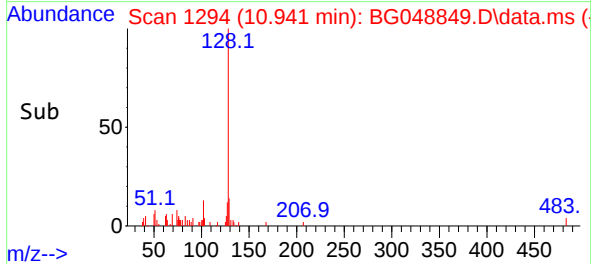
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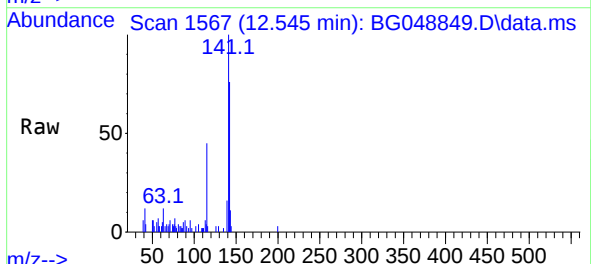
#31
Naphthalene
Concen: 2.70 ng
RT: 10.941 min Scan# 1294
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



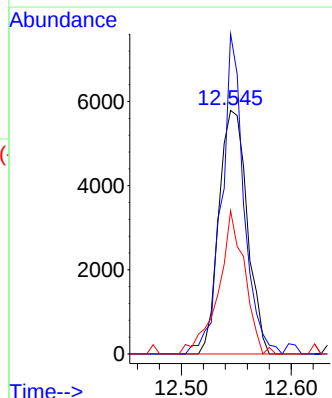
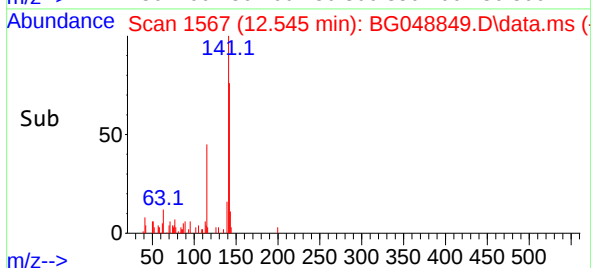
Tgt Ion:128 Resp: 13533
Ion Ratio Lower Upper
128 100
129 14.4 8.5 12.7#
127 11.5 10.2 15.4



#37
2-Methylnaphthalene
Concen: 2.58 ng m
RT: 12.545 min Scan# 1567
Delta R.T. -0.005 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



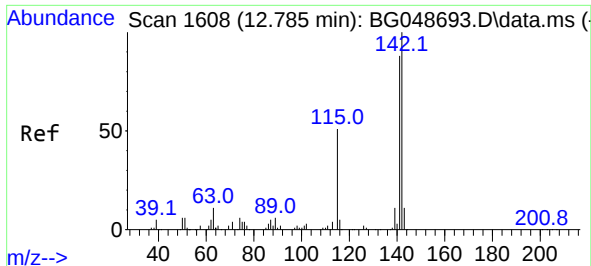
Tgt Ion:142 Resp: 10350
Ion Ratio Lower Upper
142 100
141 131.4 68.8 103.2#
115 58.8 36.4 54.6#



Instrument :
BNA_G
ClientSampled :
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Manual Integrations
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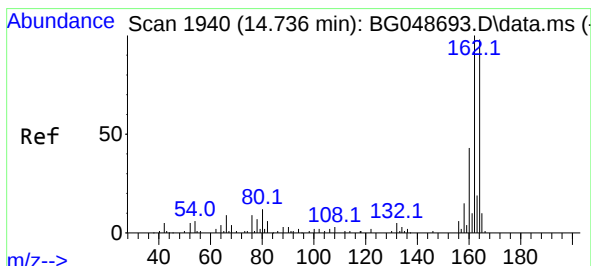
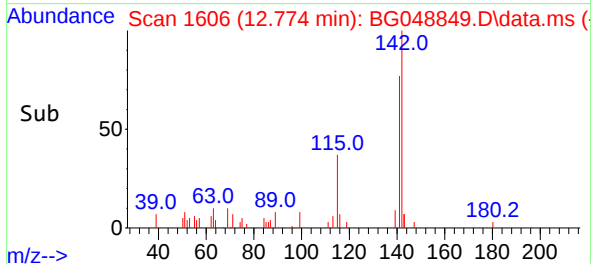
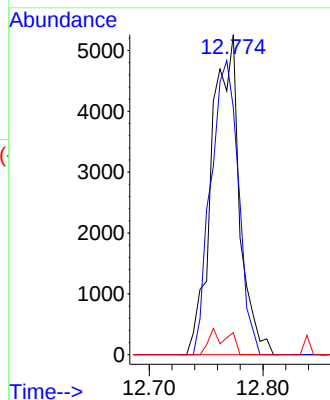
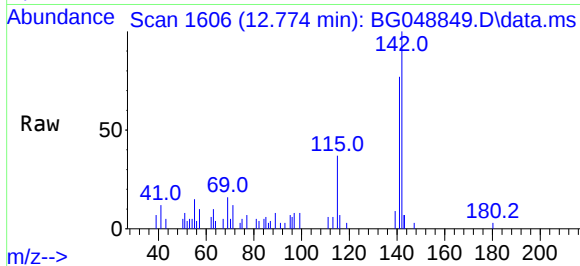
#38
1-Methylnaphthalene
Concen: 2.39 ng
RT: 12.774 min Scan# 1606
Delta R.T. 0.006 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:142 Resp: 8900
Ion Ratio Lower Upper
142 100
141 77.1 70.6 106.0
116 6.9 4.0 6.0#

Instrument :
BNA_G
ClientSampled :
TP-2

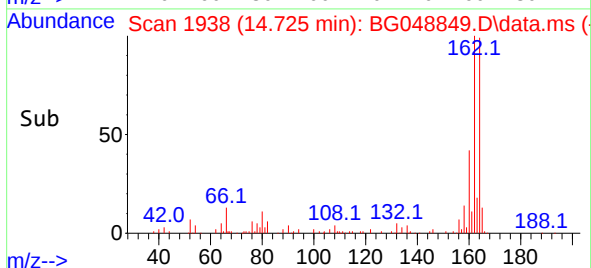
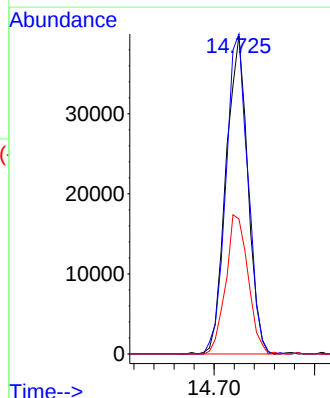
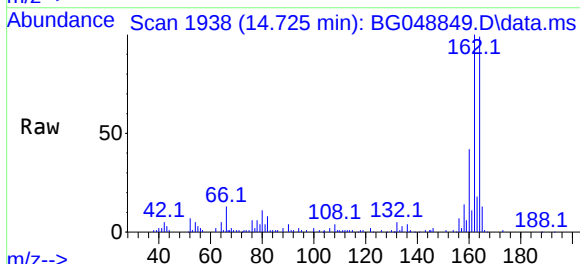
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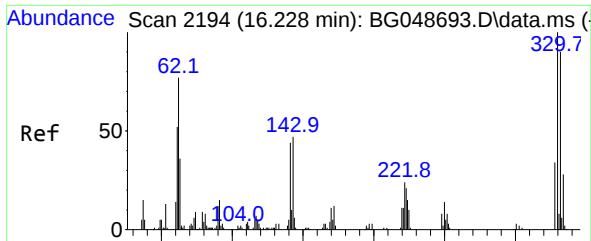
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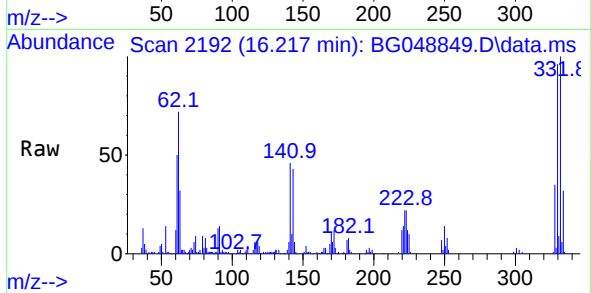
#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.725 min Scan# 1938
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:164 Resp: 60004
Ion Ratio Lower Upper
164 100
162 100.6 81.4 122.0
160 42.5 34.9 52.3

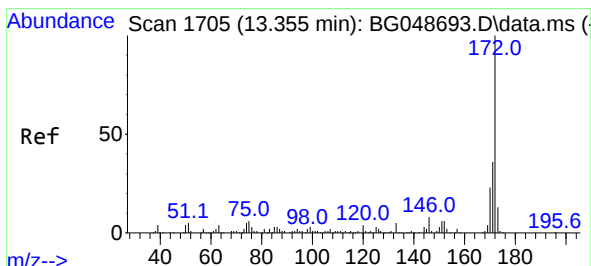
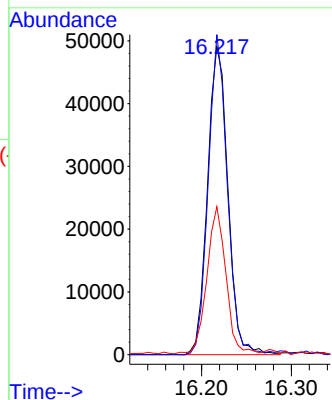
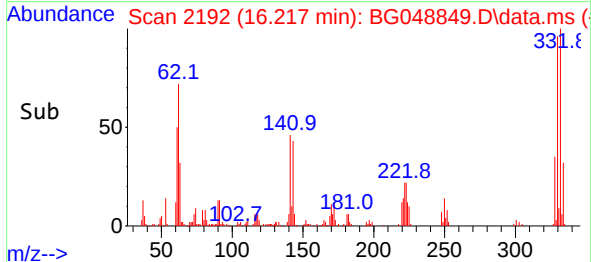




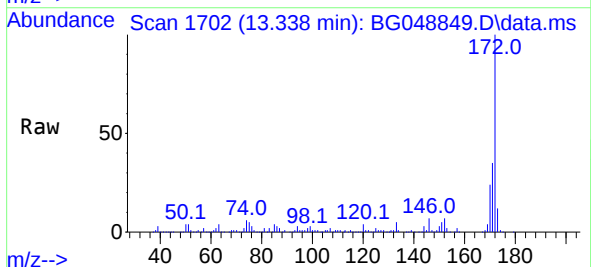
#42
2,4,6-Tribromophenol
Concen: 96.34 ng
RT: 16.217 min Scan# 2192
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



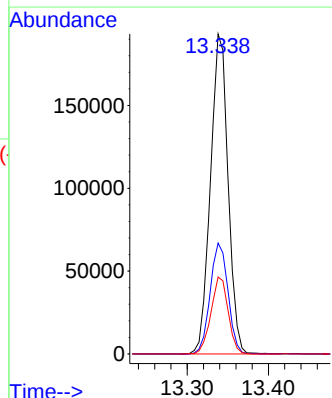
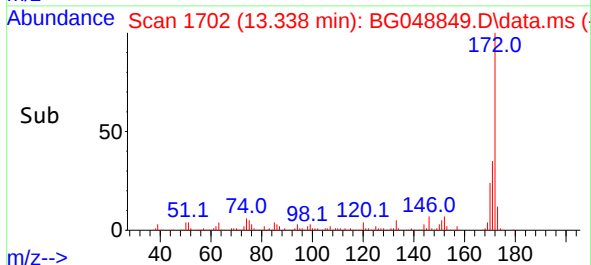
Tgt Ion:330 Resp: 77512
Ion Ratio Lower Upper
330 100
332 96.4 77.3 115.9
141 44.4 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 69.85 ng
RT: 13.338 min Scan# 1702
Delta R.T. -0.005 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



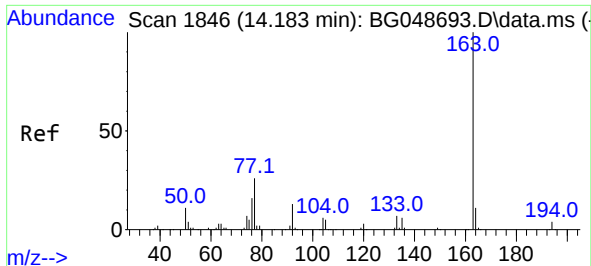
Tgt Ion:172 Resp: 290237
Ion Ratio Lower Upper
172 100
171 34.7 28.6 43.0
170 24.0 18.6 27.8



Instrument :
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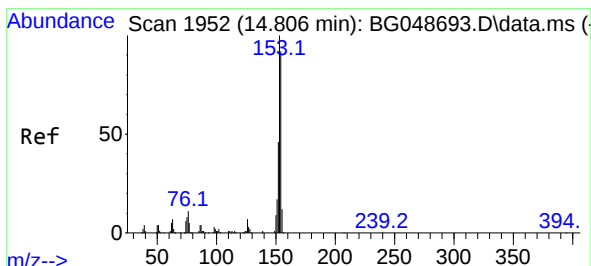
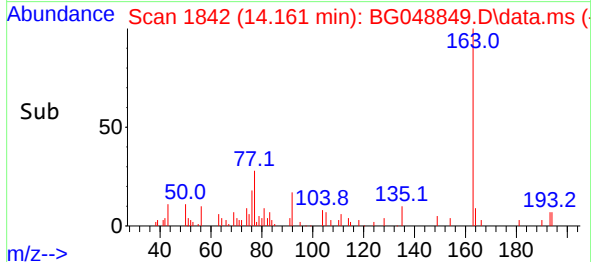
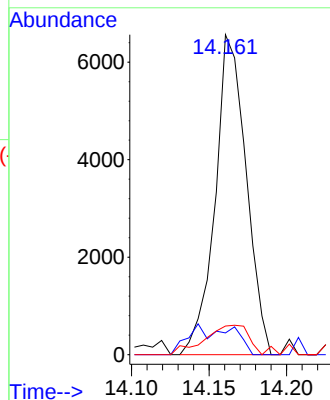
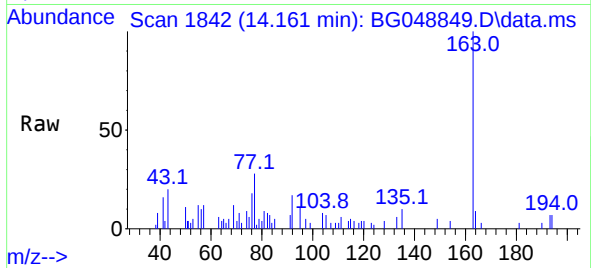
#50
Dimethylphthalate
Concen: 2.03 ng
RT: 14.161 min Scan# 1842
Delta R.T. -0.011 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:163 Resp: 9131
Ion Ratio Lower Upper
163 100
194 6.8 3.0 4.6#
164 9.0 8.6 12.8

Instrument :
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TP-2

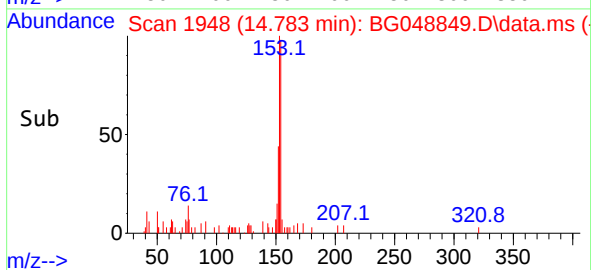
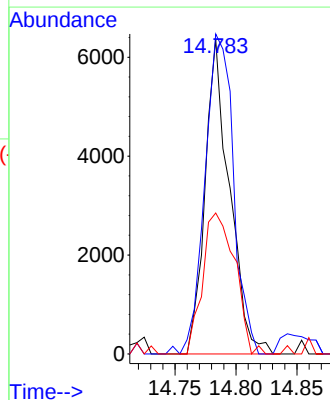
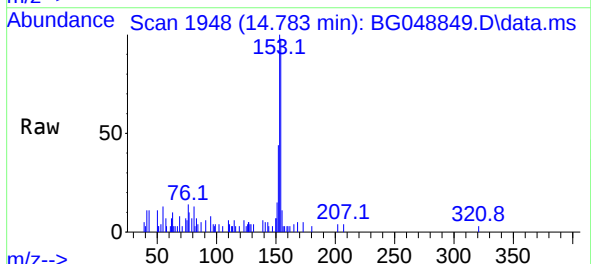
Manual Integrations
APPROVED

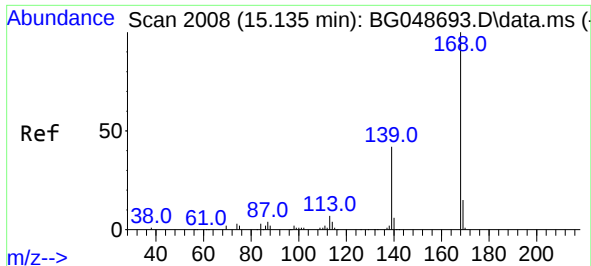
mohammad
4/23/2021 4:00:59 PM



#52
Acenaphthene
Concen: 2.65 ng
RT: 14.783 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:154 Resp: 8889
Ion Ratio Lower Upper
154 100
153 101.7 87.0 130.4
152 44.8 40.1 60.1





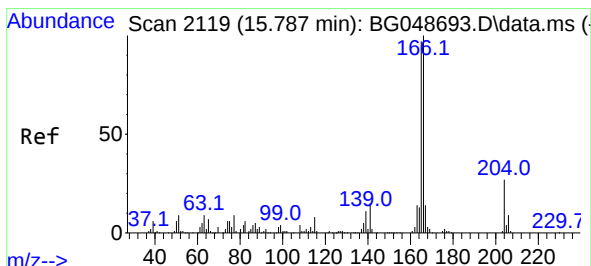
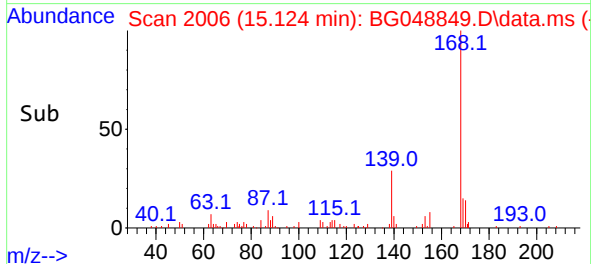
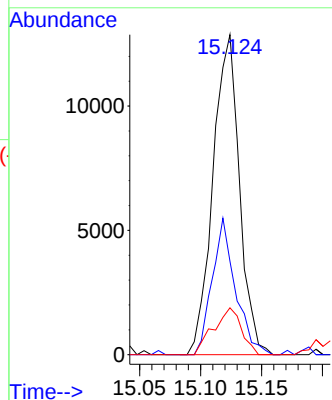
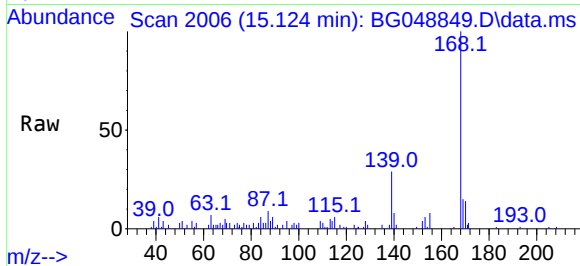
#55
Dibenzofuran
Concen: 3.50 ng
RT: 15.124 min Scan# 2006
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:168 Resp: 19452
Ion Ratio Lower Upper
168 100
139 29.2 33.4 50.2#
169 14.7 12.3 18.5

Instrument :
BNA_G
ClientSampled :
TP-2

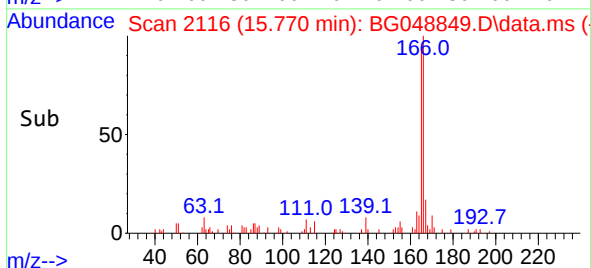
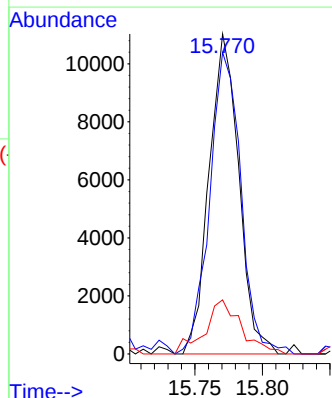
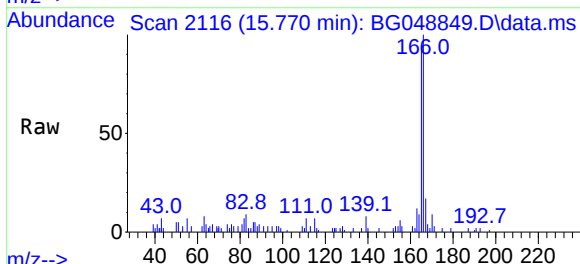
Manual Integrations
APPROVED

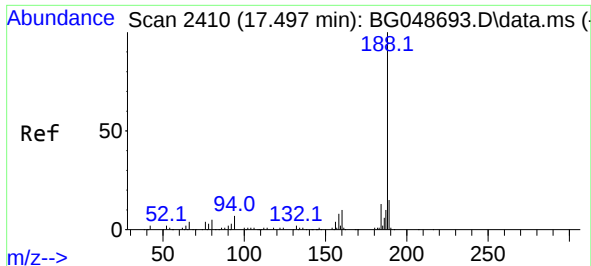
mohammad
4/23/2021 4:00:59 PM



#58
Fluorene
Concen: 3.70 ng m
RT: 15.770 min Scan# 2116
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:166 Resp: 16893
Ion Ratio Lower Upper
166 100
165 94.3 77.7 116.5
167 16.9 10.8 16.2#





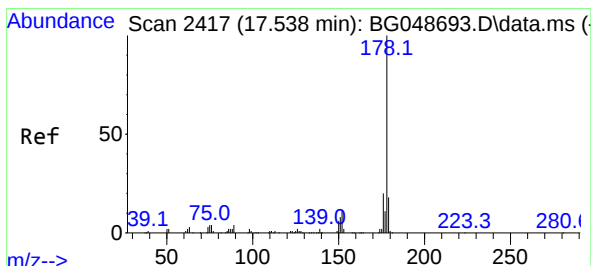
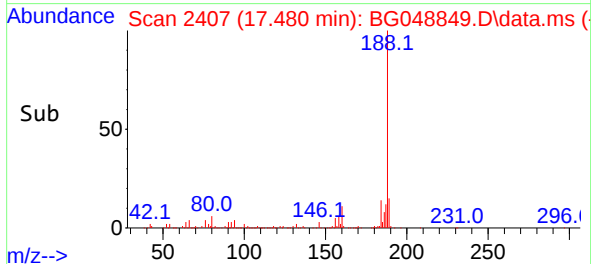
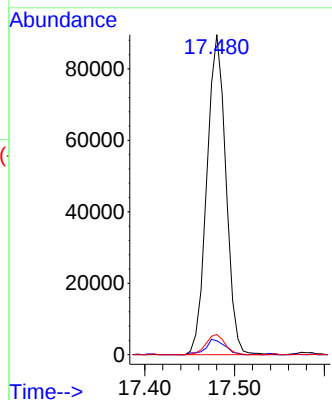
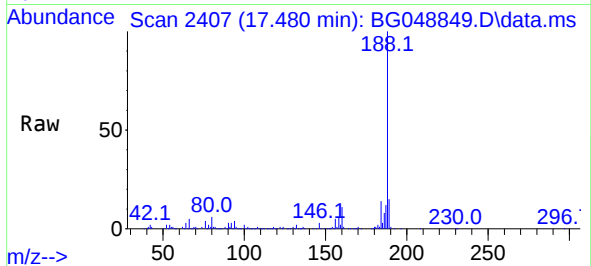
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.480 min Scan# 2407
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:188 Resp: 131808
Ion Ratio Lower Upper
188 100
94 4.3 5.4 8.0#
80 6.3 3.7 5.5#

Instrument :
BNA_G
ClientSampled :
TP-2

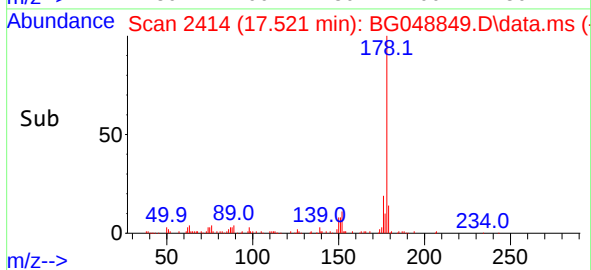
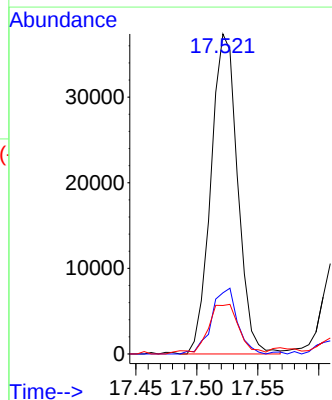
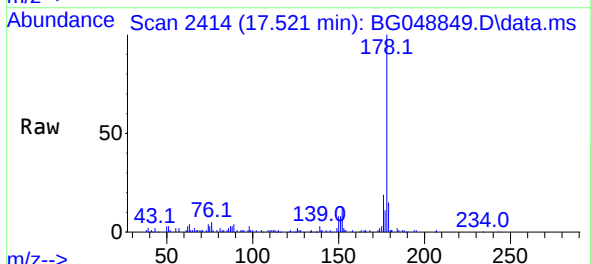
Manual Integrations
APPROVED

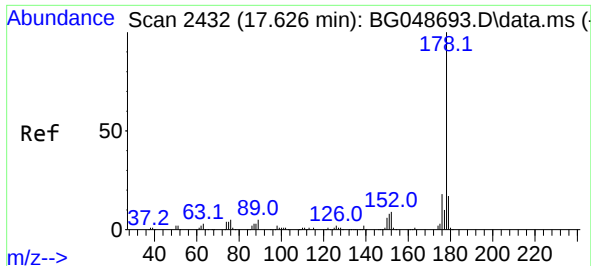
mohammad
4/23/2021 4:00:59 PM



#71
Phenanthrene
Concen: 8.35 ng
RT: 17.521 min Scan# 2414
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:178 Resp: 57095
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.2 14.2 21.4





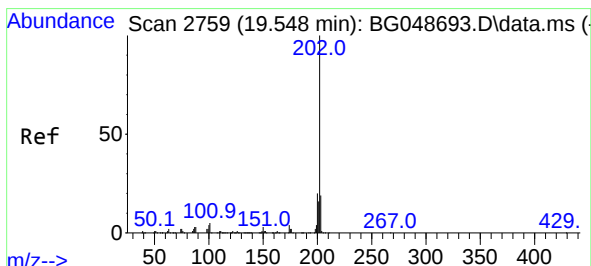
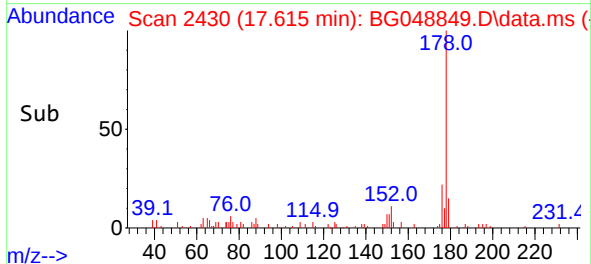
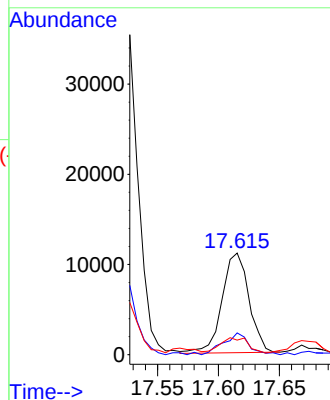
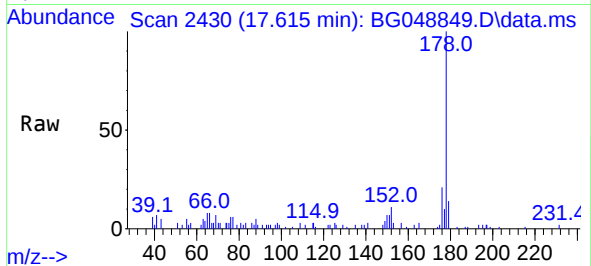
#72
 Anthracene
 Concen: 2.51 ng
 RT: 17.615 min Scan# 2430
 Delta R.T. 0.001 min
 Lab File: BG048849.D
 Acq: 22 Apr 2021 16:23

Tgt Ion:	178	Resp:	17020
Ion Ratio	Lower	Upper	
178	100		
176	21.5	14.6	21.8
179	14.3	13.4	20.0

Instrument :
 BNA_G
 ClientSampled :
 TP-2

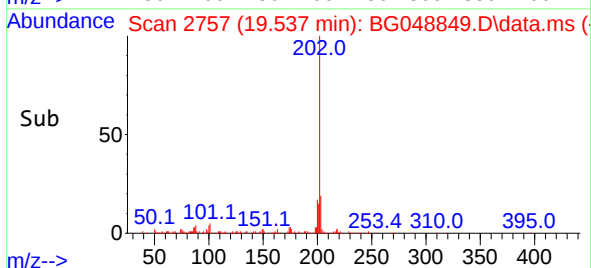
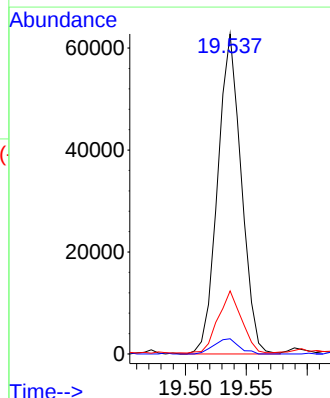
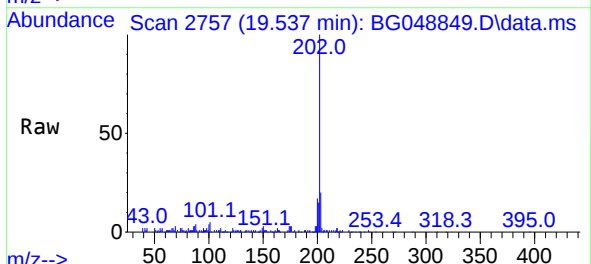
Manual Integrations
 APPROVED

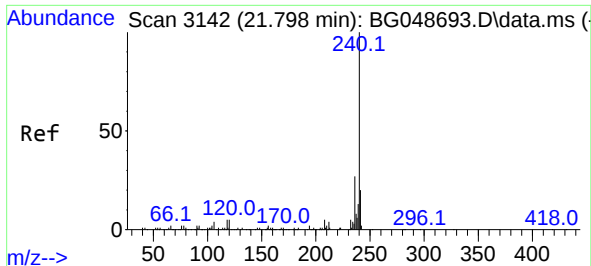
mohammad
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#75
 Fluoranthene
 Concen: 9.80 ng
 RT: 19.537 min Scan# 2757
 Delta R.T. 0.001 min
 Lab File: BG048849.D
 Acq: 22 Apr 2021 16:23

Tgt Ion:	202	Resp:	84812
Ion Ratio	Lower	Upper	
202	100		
101	4.7	0.0	24.7
203	19.7	0.0	38.5





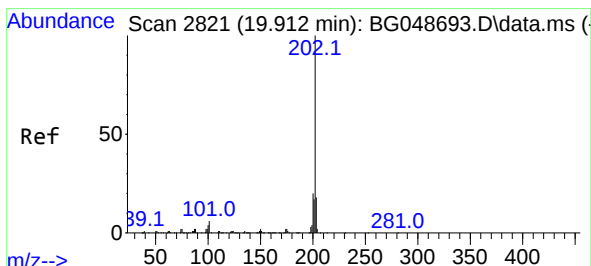
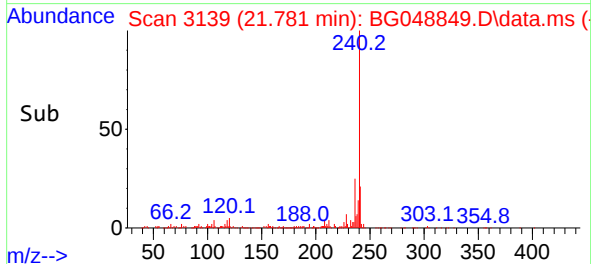
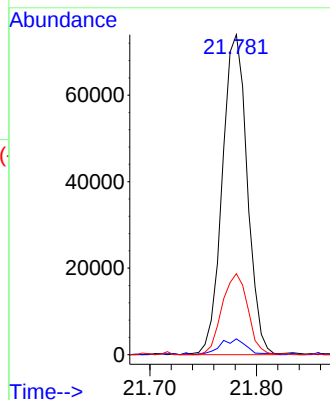
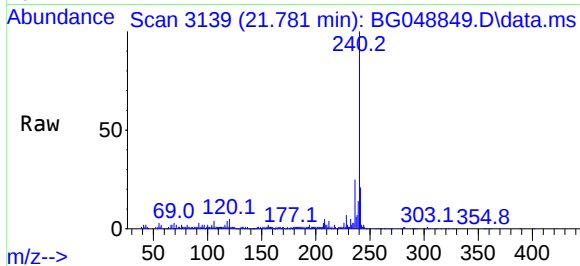
#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.781 min Scan# 3139
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:240 Resp: 120424
Ion Ratio Lower Upper
240 100
120 5.0 4.2 6.2
236 25.3 21.8 32.6

Instrument :
BNA_G
ClientSampled :
TP-2

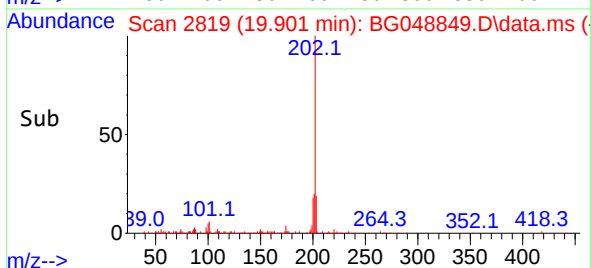
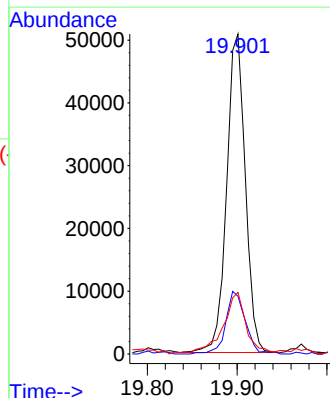
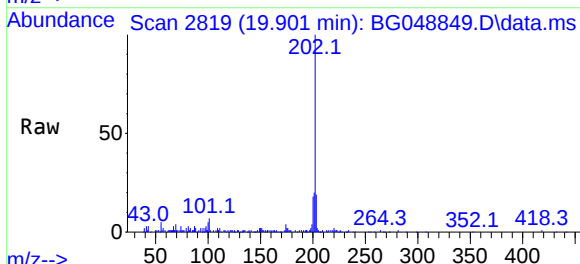
Manual Integrations
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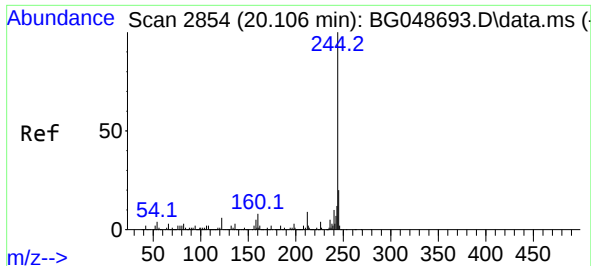
mohammad
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#78
Pyrene
Concen: 8.78 ng
RT: 19.901 min Scan# 2819
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion:202 Resp: 73143
Ion Ratio Lower Upper
202 100
200 18.1 15.8 23.8
203 19.3 14.6 21.8





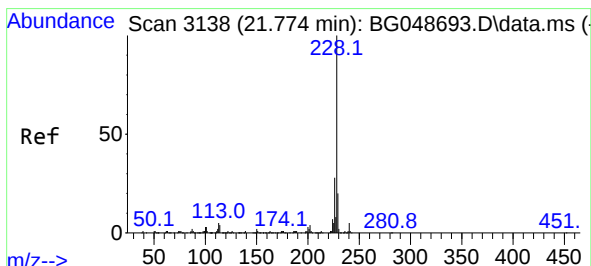
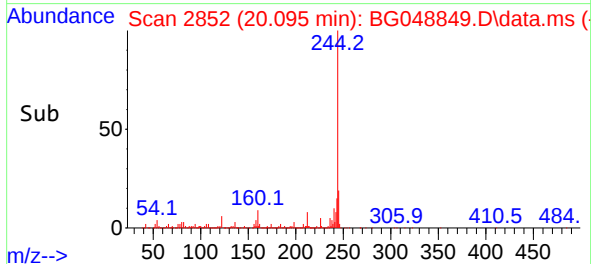
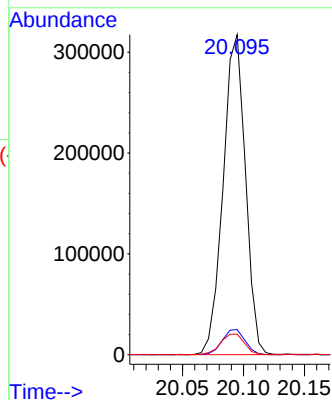
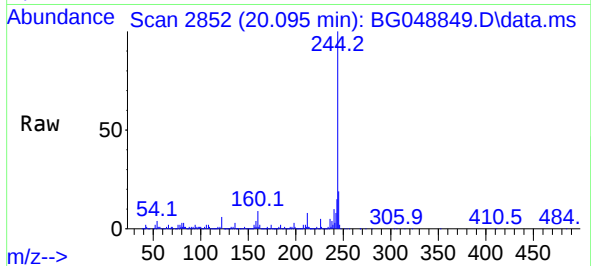
#79
 Terphenyl-d14
 Concen: 57.80 ng
 RT: 20.095 min Scan# 2852
 Delta R.T. 0.001 min
 Lab File: BG048849.D
 Acq: 22 Apr 2021 16:23

Tgt Ion:	244	Resp:	404388
Ion Ratio	Lower	Upper	
244	100		
212	7.9	6.9	10.3
122	6.4	5.0	7.6

Instrument :
 BNA_G
 ClientSampled :
 TP-2

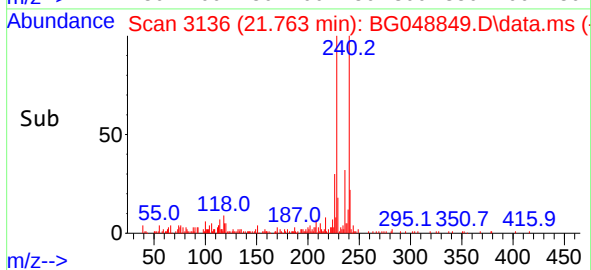
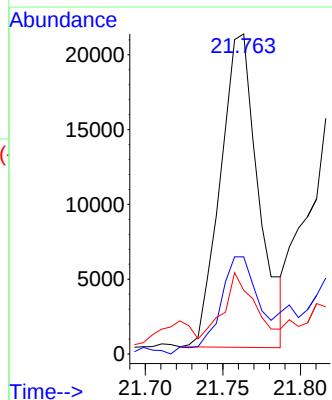
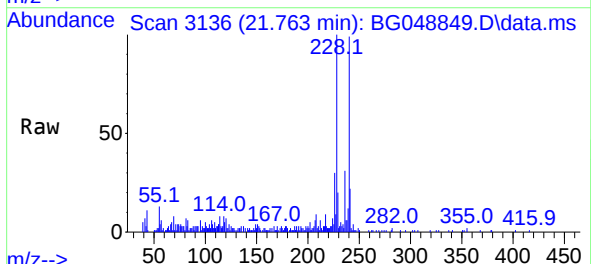
Manual Integrations
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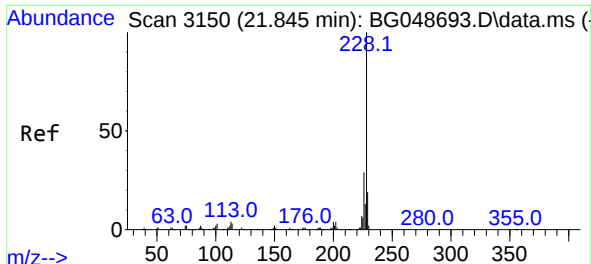
mohammad
 4/23/2021 4:00:59 PM



#81
 Benzo(a)anthracene
 Concen: 4.36 ng
 RT: 21.763 min Scan# 3136
 Delta R.T. 0.006 min
 Lab File: BG048849.D
 Acq: 22 Apr 2021 16:23

Tgt Ion:	228	Resp:	35863
Ion Ratio	Lower	Upper	
228	100		
226	30.3	22.7	34.1
229	19.9	16.0	24.0





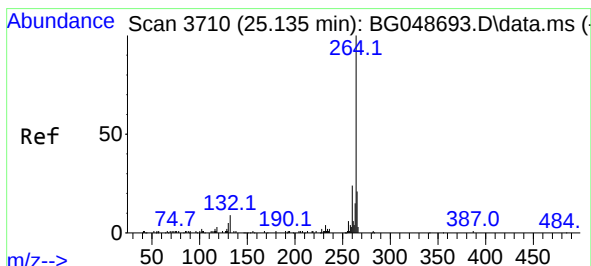
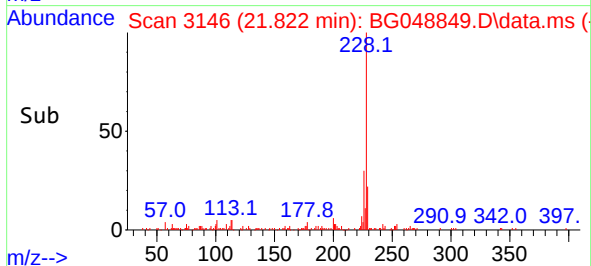
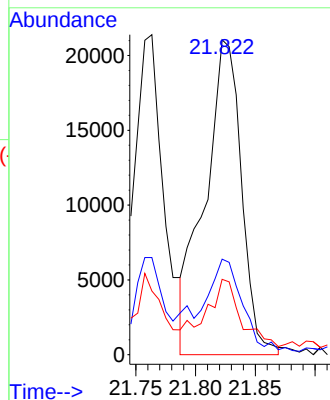
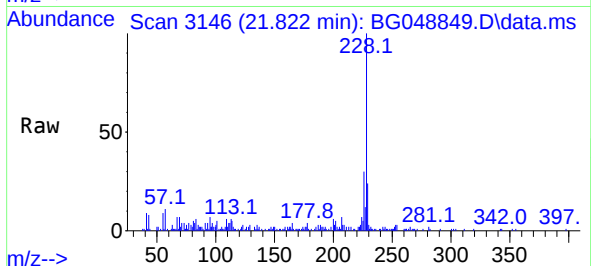
#83
Chrysene
Concen: 5.75 ng m
RT: 21.822 min Scan# 3146
Delta R.T. -0.005 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion: 228 Resp: 45062
Ion Ratio Lower Upper
228 100
226 30.3 23.1 34.7
229 23.9 15.3 22.9#

Instrument :
BNA_G
ClientSampled :
TP-2

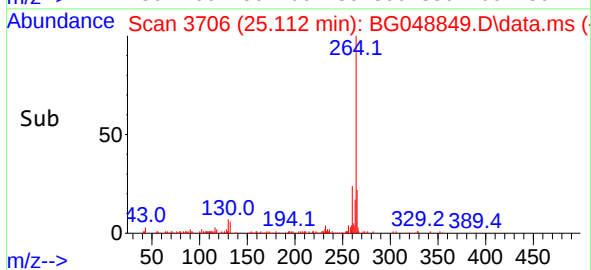
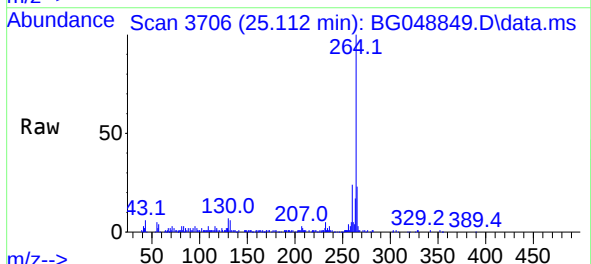
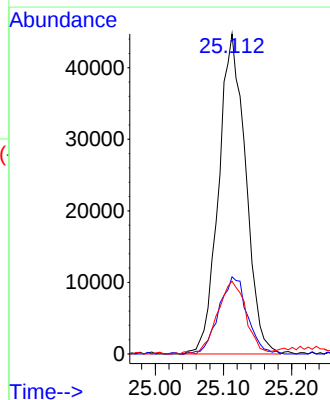
Manual Integrations
APPROVED

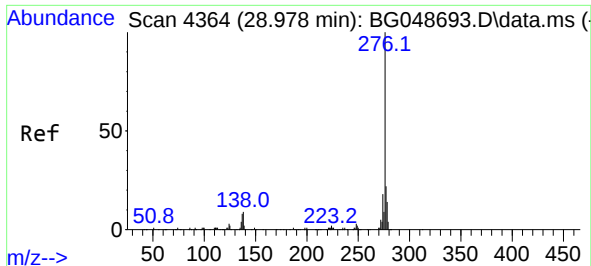
mohammad
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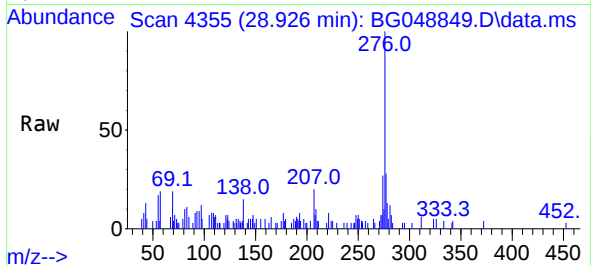
#86
Perylene-d12
Concen: 20.00 ng
RT: 25.112 min Scan# 3706
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

Tgt Ion: 264 Resp: 122934
Ion Ratio Lower Upper
264 100
260 24.1 19.4 29.2
265 22.7 16.9 25.3

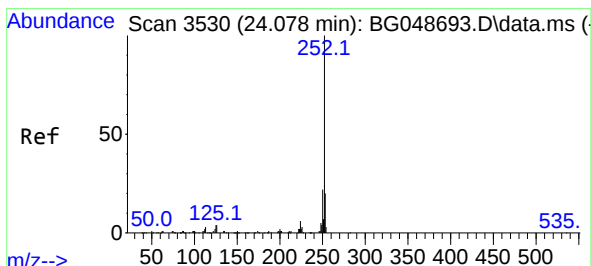
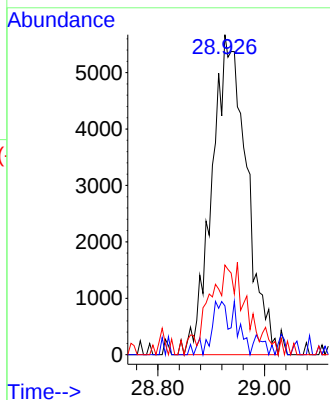
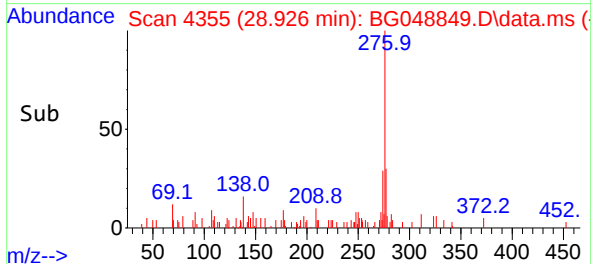




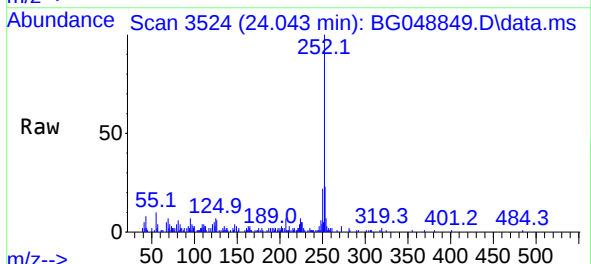
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.83 ng
RT: 28.926 min Scan# 4355
Delta R.T. -0.011 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



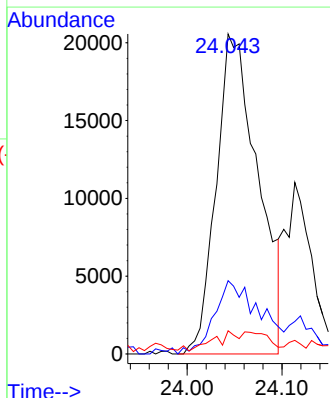
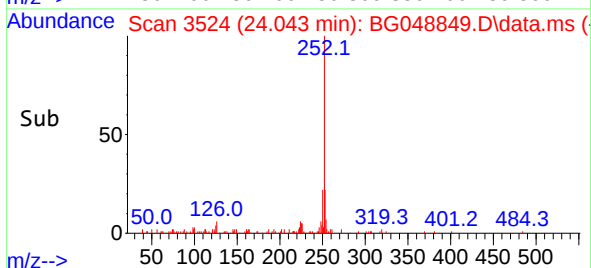
Tgt Ion: 276 Resp: 25566
Ion Ratio Lower Upper
276 100
138 7.5 5.1 7.7
277 0.0 19.8 29.6#



#88
Benzo(b)fluoranthene
Concen: 7.56 ng
RT: 24.043 min Scan# 3524
Delta R.T. -0.005 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



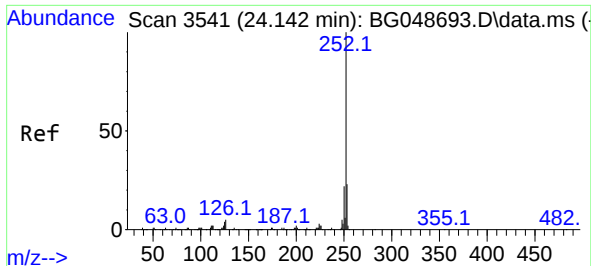
Tgt Ion: 252 Resp: 63009
Ion Ratio Lower Upper
252 100
253 22.9 16.2 24.4
125 7.2 3.0 4.4#



Instrument :
BNA_G
ClientSampled :
TP-2

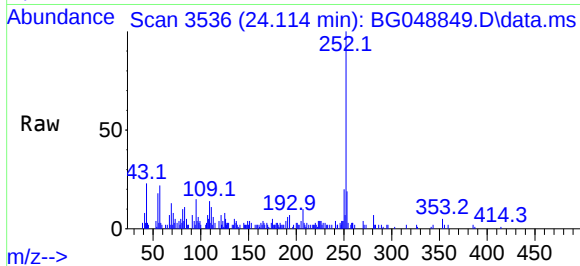
Manual Integrations
APPROVED

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4/23/2021 4:00:59 PM



#89
Benzo(k)fluoranthene
Concen: 2.00 ng
RT: 24.114 min Scan# 3536
Delta R.T. -0.005 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

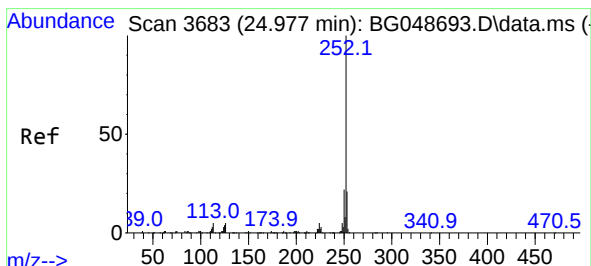
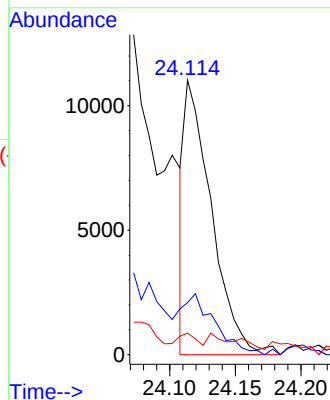
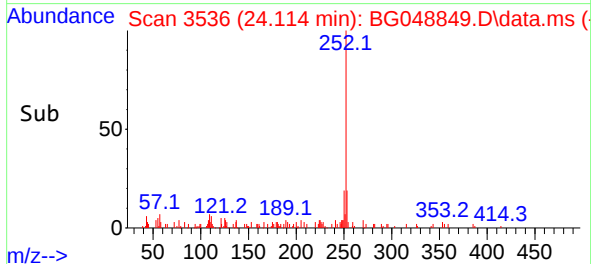
Instrument :
BNA_G
ClientSampled :
TP-2



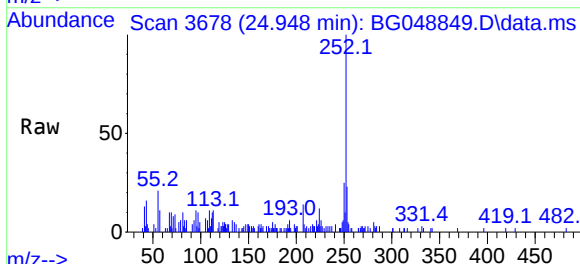
Tgt Ion:252 Resp: 15724
Ion Ratio Lower Upper
252 100
253 18.9 18.0 27.0
125 7.9 3.1 4.7#

Manual Integrations
APPROVED

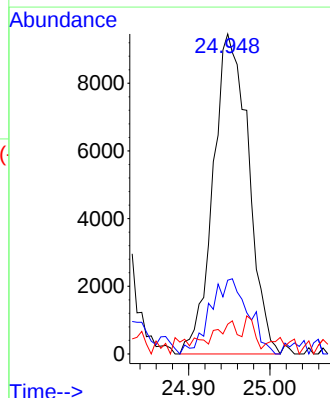
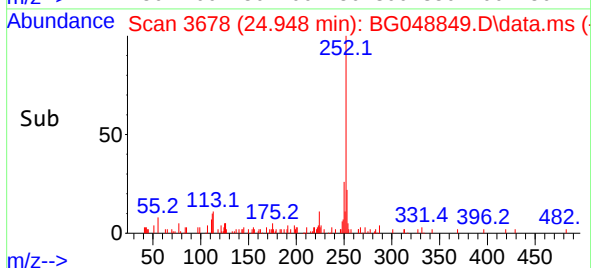
mohammad
4/23/2021 4:00:59 PM

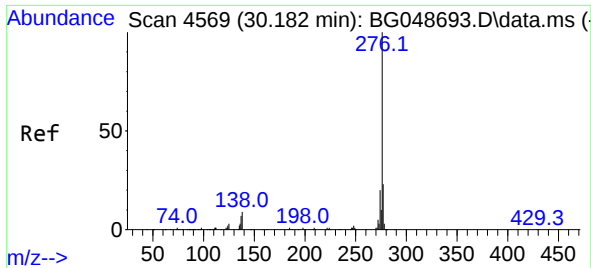


#90
Benzo(a)pyrene
Concen: 3.72 ng
RT: 24.948 min Scan# 3678
Delta R.T. -0.005 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23

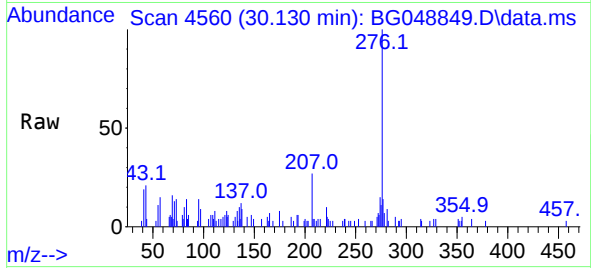


Tgt Ion:252 Resp: 28588
Ion Ratio Lower Upper
252 100
253 23.0 16.6 25.0
125 9.3 3.5 5.3#

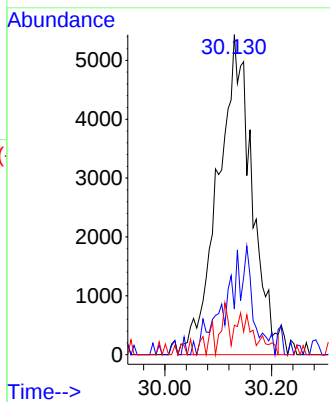
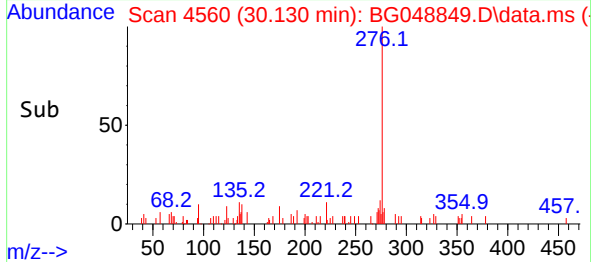




#92
Benzo(g,h,i)perylene
Concen: 3.12 ng
RT: 30.130 min Scan# 4560
Delta R.T. 0.001 min
Lab File: BG048849.D
Acq: 22 Apr 2021 16:23



Tgt Ion	Ratio	Lower	Upper
276	100		
277	14.2	18.4	27.6#
138	9.2	7.0	10.6



Instrument :
BNA_G
ClientSampleId :
TP-2

Manual Integrations
APPROVED

mohammad
4/23/2021 4:00:59 PM