

Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030521\  
 Data File : BG048353.D  
 Acq On : 6 Mar 2021 1:11  
 Operator : CG/JU  
 Sample : M1556-01 2X  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 TR-04-030321

Manual Integrations  
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 3/8/2021 9:34:50 AM

Quant Time: Mar 06 03:35:35 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG021021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Fri Mar 05 16:23:55 2021  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)	
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.085	152	47592	20.00 ng	#	0.01
21) Naphthalene-d8	10.899	136	184777	20.00 ng	#	0.01
39) Acenaphthene-d10	14.712	164	118416	20.00 ng		0.00
64) Phenanthrene-d10	17.468	188	251546	20.00 ng	#	0.01
76) Chrysene-d12	21.740	240	257343	20.00 ng	#	0.01
86) Perylene-d12	25.024	264	259289	20.00 ng		0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.841	112	115221	41.21 ng		0.19
7) Phenol-d6	7.568	99	165711	39.01 ng		0.28
23) Nitrobenzene-d5	9.260	82	125082	28.63 ng		0.01
42) 2,4,6-Tribromophenol	16.252	330	53309	28.15 ng		0.05
45) 2-Fluorobiphenyl	13.338	172	244347	28.93 ng		0.01
79) Terphenyl-d14	20.059	244	324347	23.03 ng		0.00
Target Compounds						
71) Phenanthrene	17.509	178	136133	9.97 ng		96
72) Anthracene	17.597	178	40509m	2.99 ng		
75) Fluoranthene	19.513	202	305905	17.20 ng		94
78) Pyrene	19.871	202	251902	14.02 ng		96
81) Benzo(a)anthracene	21.722	228	155734	8.68 ng	#	93
83) Chrysene	21.787	228	152604m	8.90 ng		
87) Indeno(1,2,3-cd)pyrene	28.784	276	77904	3.97 ng	#	53
88) Benzo(b)fluoranthene	23.978	252	204194	11.39 ng	#	94
89) Benzo(k)fluoranthene	24.037	252	78660m	4.60 ng		
90) Benzo(a)pyrene	24.865	252	148564m	8.93 ng		
92) Benzo(g,h,i)perylene	29.948	276	71562	4.39 ng	#	84

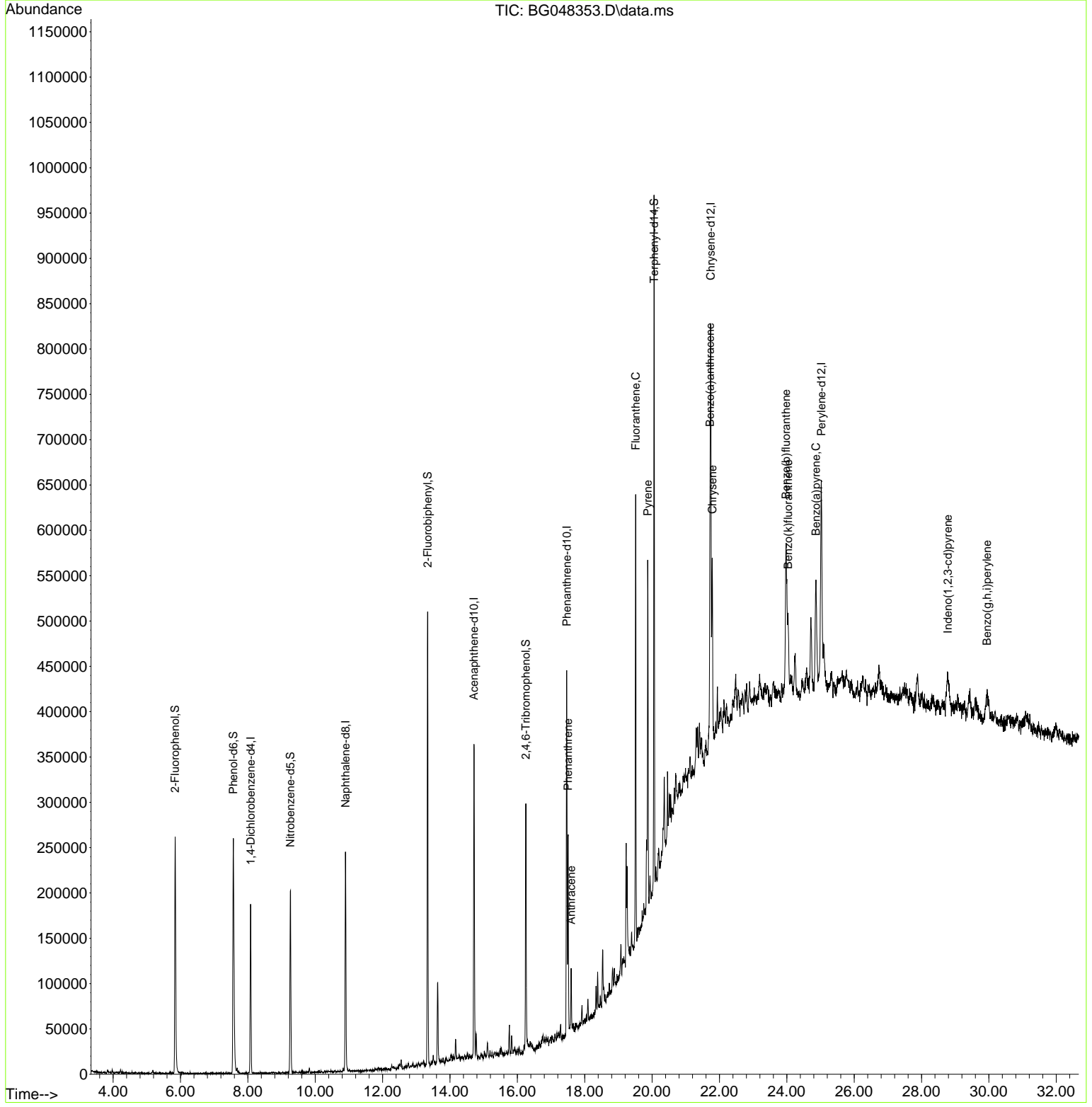
(#) = qualifier out of range (m) = manual integration (+) = signals summed

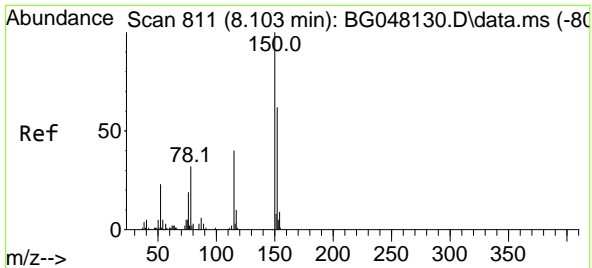
Data Path : Z:\svoasrv\HPCHEM1\BNA\_G\Data\BG030521\  
 Data File : BG048353.D  
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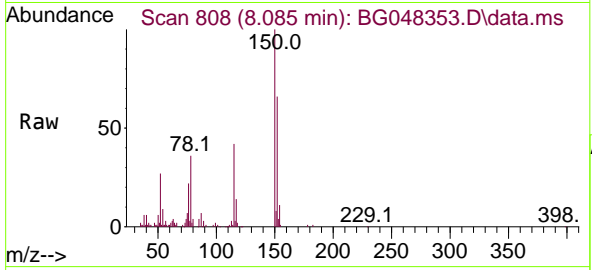
Quant Time: Mar 06 03:35:35 2021  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA\_G\METHODS\8270-BG021021.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
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#1  
 1,4-Dichlorobenzene-d4  
 Concen: 20.00 ng  
 RT: 8.085 min Scan# 808  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

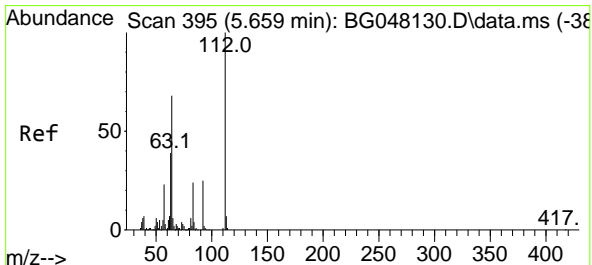
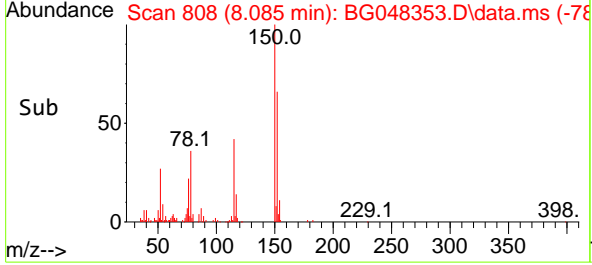
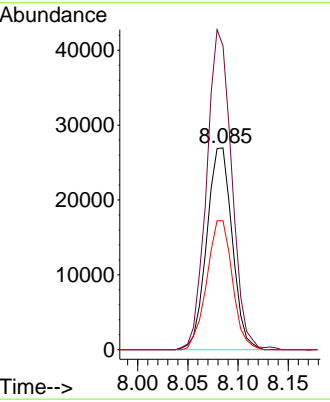
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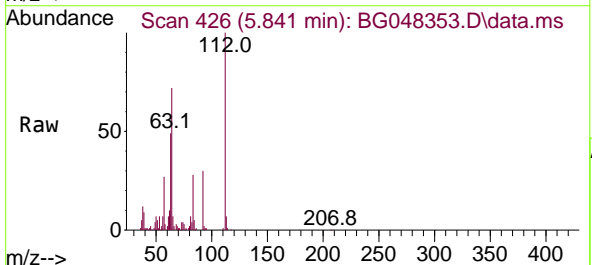
Tgt Ion:152 Resp: 47592

Ion	Ratio	Lower	Upper
152	100		
150	150.6	125.0	187.6
115	63.9	41.8	62.6#

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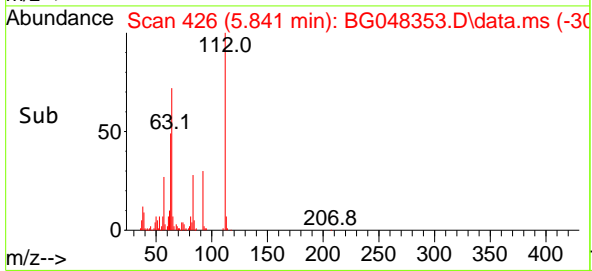
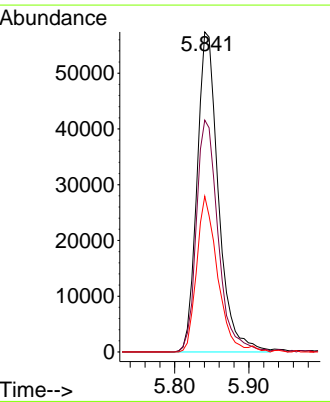


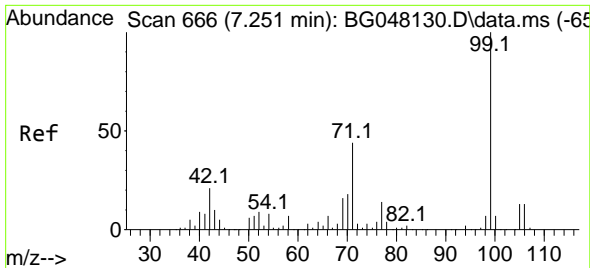
#5  
 2-Fluorophenol  
 Concen: 41.21 ng  
 RT: 5.841 min Scan# 426  
 Delta R.T. 0.187 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



Tgt Ion:112 Resp: 115221

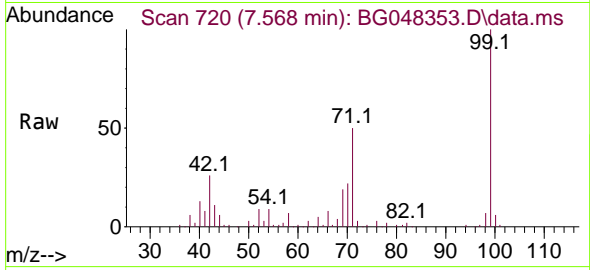
Ion	Ratio	Lower	Upper
112	100		
64	72.5	46.7	70.1#
63	48.7	22.8	34.2#





#7  
 Phenol-d6  
 Concen: 39.01 ng  
 RT: 7.568 min Scan# 720  
 Delta R.T. 0.281 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

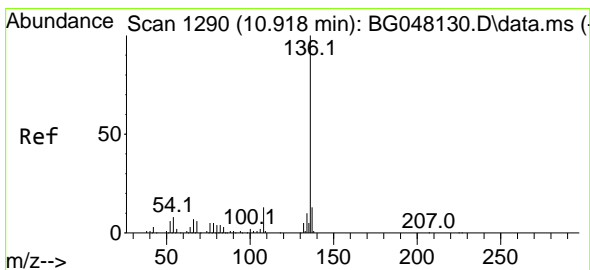
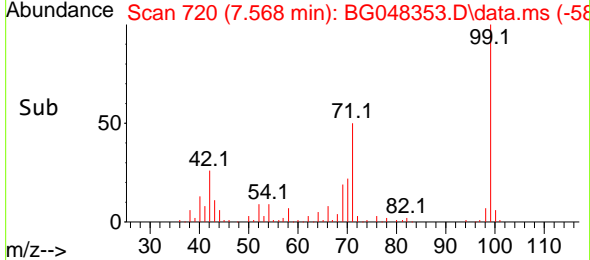
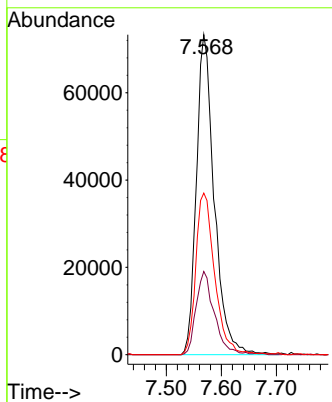
**Instrument :**  
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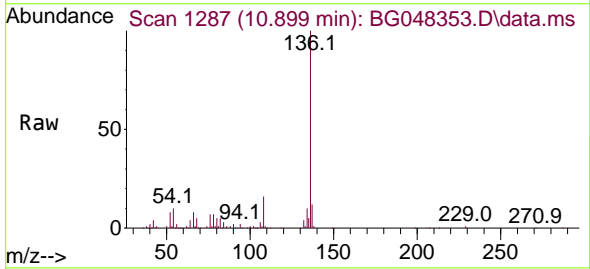
Tgt Ion: 99 Resp: 165711

Ion	Ratio	Lower	Upper
99	100		
42	26.0	12.8	19.2#
71	50.5	24.6	36.8#

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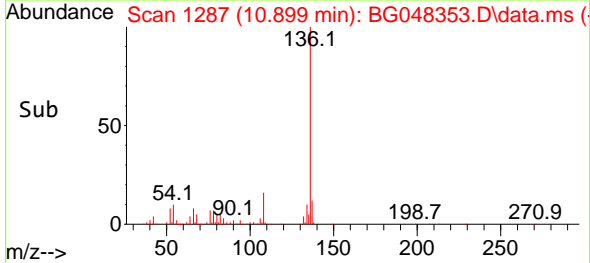
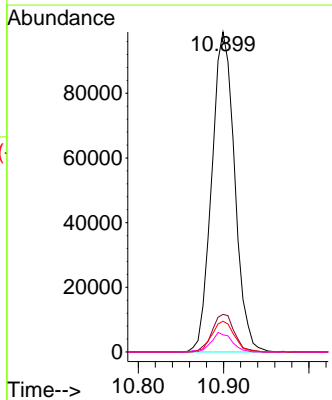


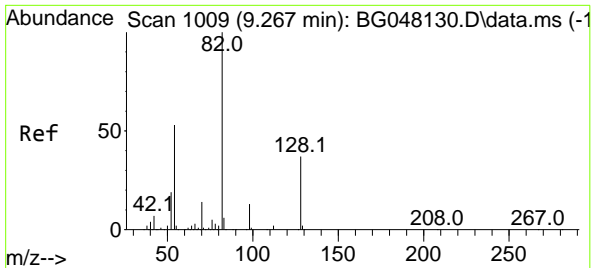
#21  
 Naphthalene-d8  
 Concen: 20.00 ng  
 RT: 10.899 min Scan# 1287  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



Tgt Ion: 136 Resp: 184777

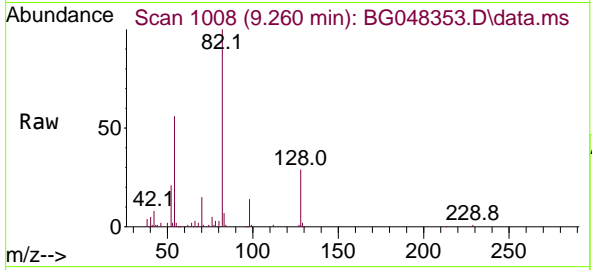
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	9.6	6.2	9.4#
68	5.3	5.0	7.4





#23  
 Nitrobenzene-d5  
 Concen: 28.63 ng  
 RT: 9.260 min Scan# 1008  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

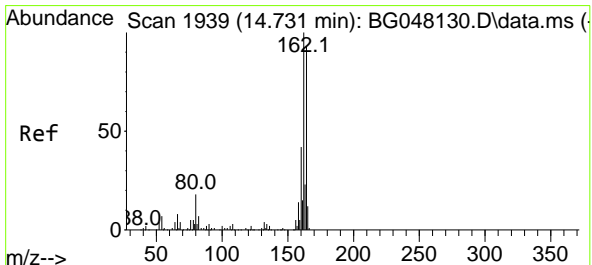
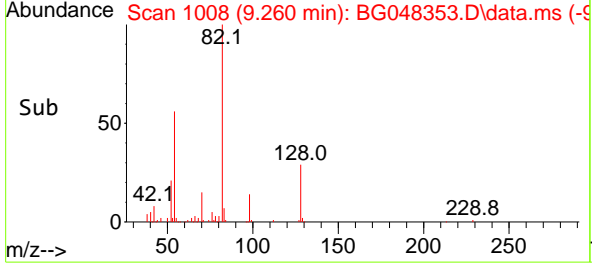
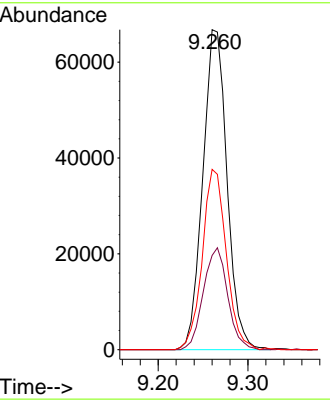
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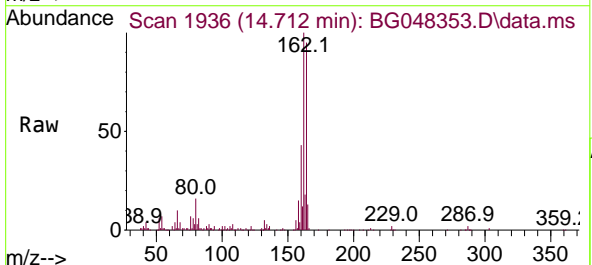
Tgt Ion: 82 Resp: 125082

Ion	Ratio	Lower	Upper
82	100		
128	29.5	37.0	55.6#
54	56.4	39.0	58.4

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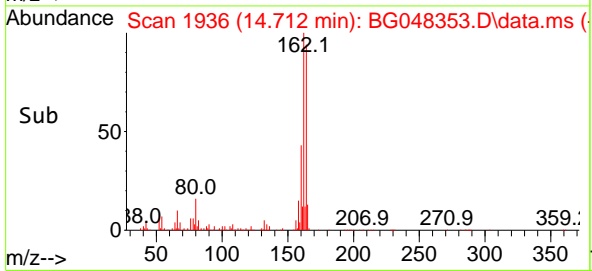
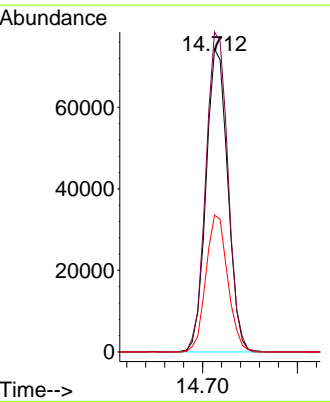


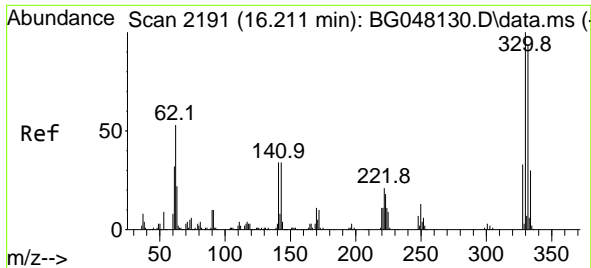
#39  
 Acenaphthene-d10  
 Concen: 20.00 ng  
 RT: 14.712 min Scan# 1936  
 Delta R.T. 0.005 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



Tgt Ion: 164 Resp: 118416

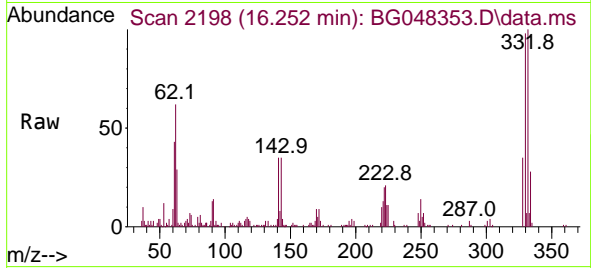
Ion	Ratio	Lower	Upper
164	100		
162	105.7	82.3	123.5
160	45.2	35.3	52.9





#42  
 2,4,6-Tribromophenol  
 Concen: 28.15 ng  
 RT: 16.252 min Scan# 2198  
 Delta R.T. 0.046 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

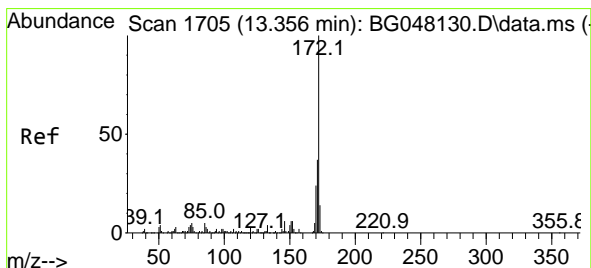
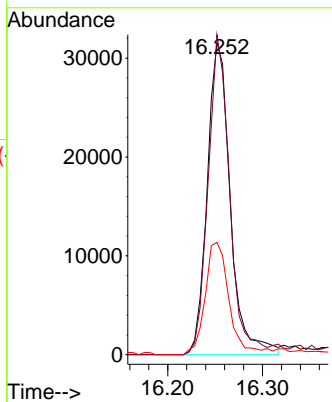
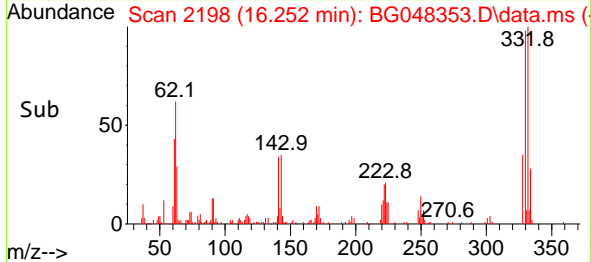
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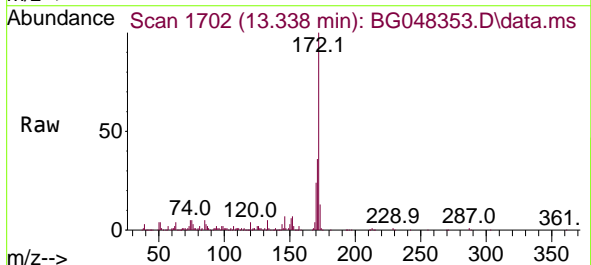
Tgt Ion:330 Resp: 53309  
 Ion Ratio Lower Upper  
 330 100  
 332 95.4 76.5 114.7  
 141 36.8 26.0 39.0

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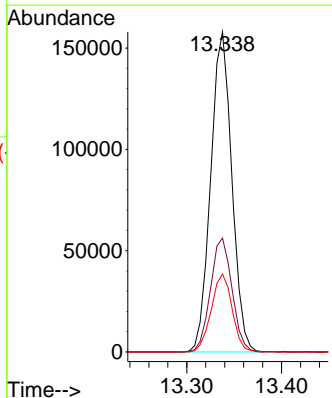
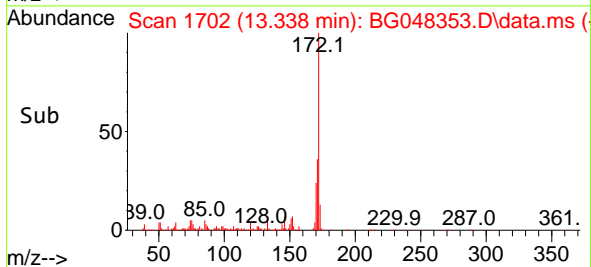
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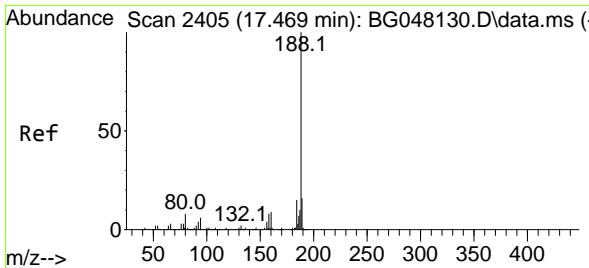


#45  
 2-Fluorobiphenyl  
 Concen: 28.93 ng  
 RT: 13.338 min Scan# 1702  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



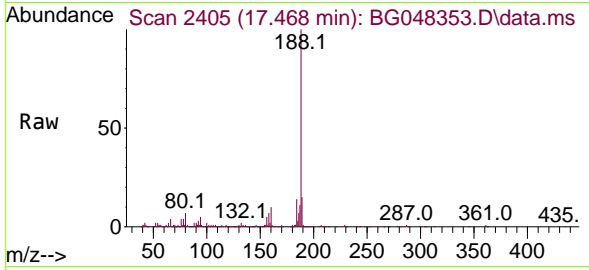
Tgt Ion:172 Resp: 244347  
 Ion Ratio Lower Upper  
 172 100  
 171 35.6 31.3 46.9  
 170 24.3 20.8 31.2





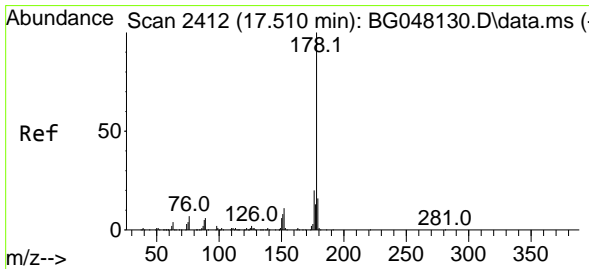
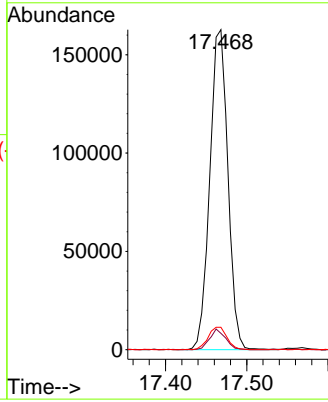
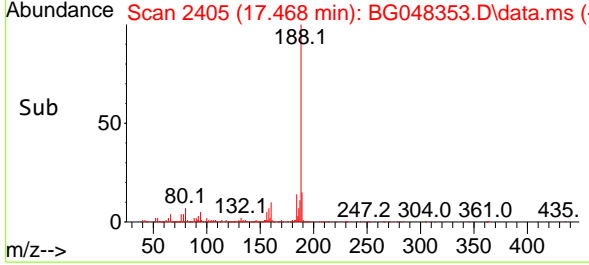
#64  
 Phenanthrene-d10  
 Concen: 20.00 ng  
 RT: 17.468 min Scan# 2405  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

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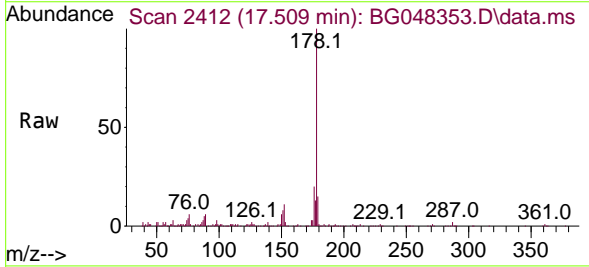


Tgt Ion:188 Resp: 251546  
 Ion Ratio Lower Upper  
 188 100  
 94 5.1 6.3 9.5#  
 80 7.0 7.0 10.6#

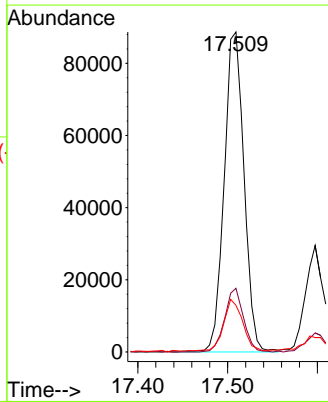
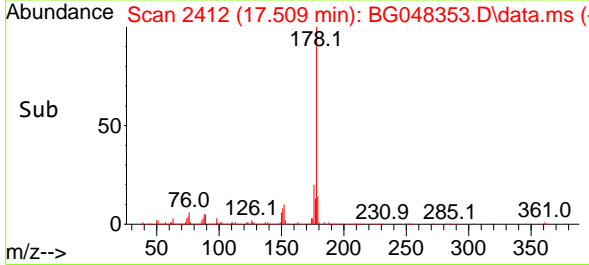
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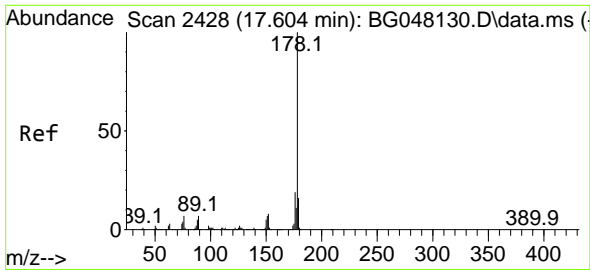


#71  
 Phenanthrene  
 Concen: 9.97 ng  
 RT: 17.509 min Scan# 2412  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



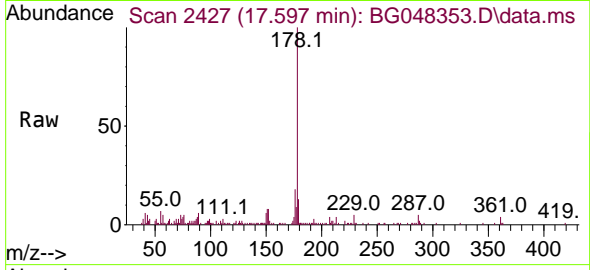
Tgt Ion:178 Resp: 136133  
 Ion Ratio Lower Upper  
 178 100  
 176 19.9 16.7 25.1  
 179 14.5 14.0 21.0





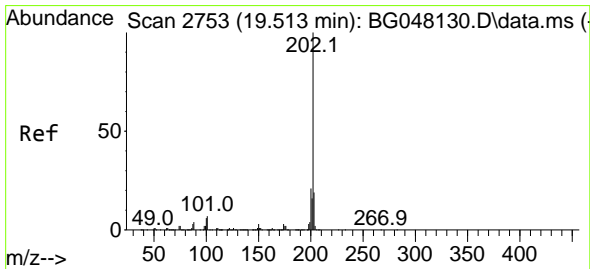
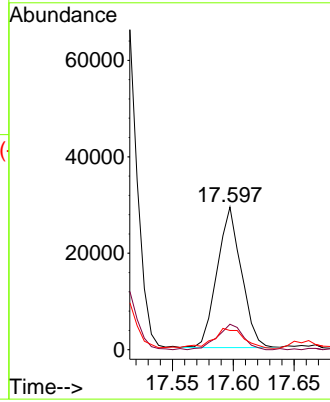
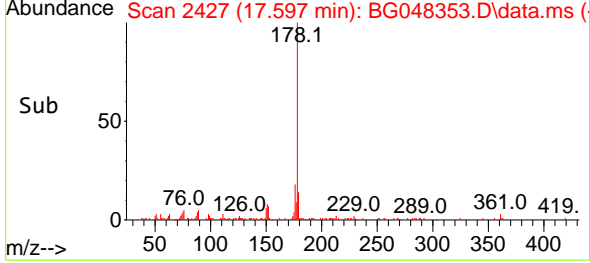
#72  
 Anthracene  
 Concen: 2.99 ng m  
 RT: 17.597 min Scan# 2427  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

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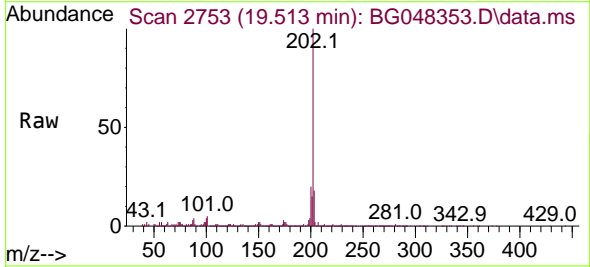


Tgt Ion:178 Resp: 40509  
 Ion Ratio Lower Upper  
 178 100  
 176 17.8 16.4 24.6  
 179 13.5 13.8 20.6#

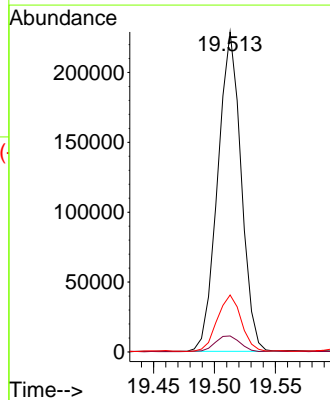
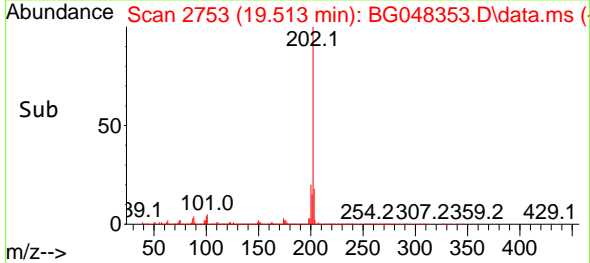
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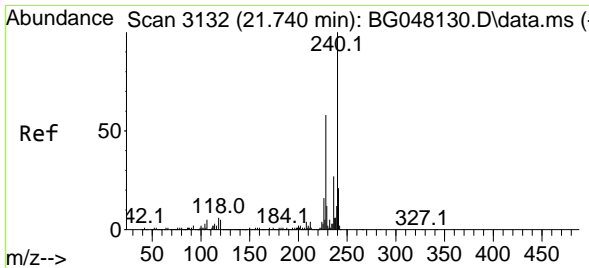
#75  
 Fluoranthene  
 Concen: 17.20 ng  
 RT: 19.513 min Scan# 2753  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



Tgt Ion:202 Resp: 305905  
 Ion Ratio Lower Upper  
 202 100  
 101 5.0 0.0 29.7  
 203 17.8 0.0 39.2

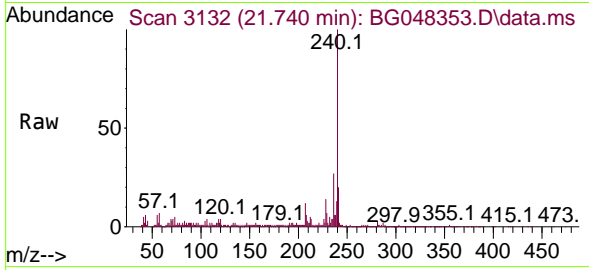






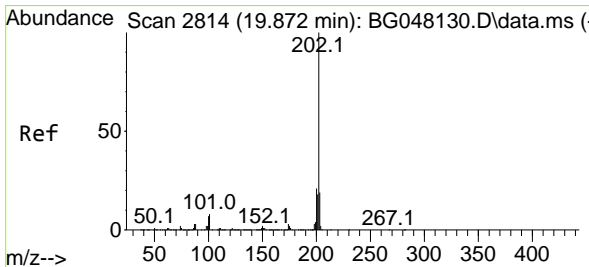
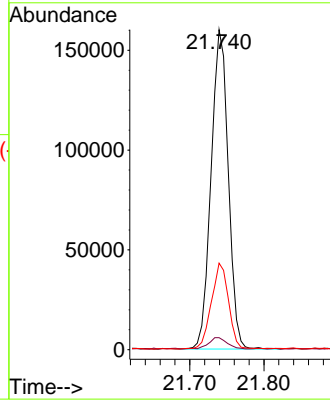
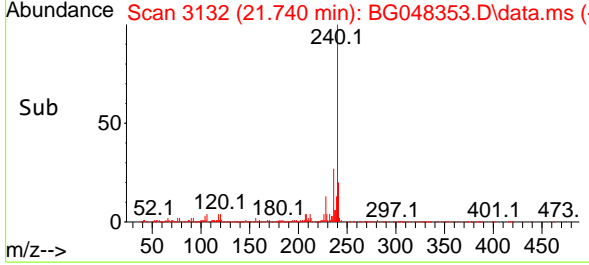
#76  
 Chrysene-d12  
 Concen: 20.00 ng  
 RT: 21.740 min Scan# 3132  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

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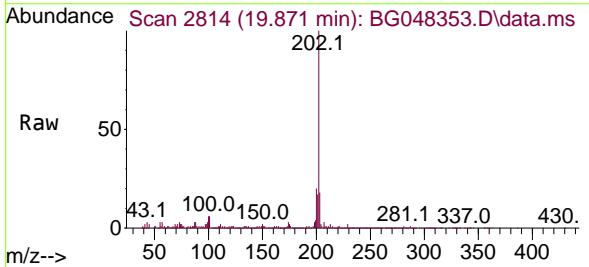


Tgt Ion:240 Resp: 257343  
 Ion Ratio Lower Upper  
 240 100  
 120 3.8 6.2 9.4#  
 236 27.1 20.5 30.7

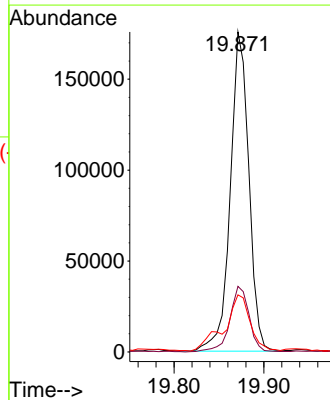
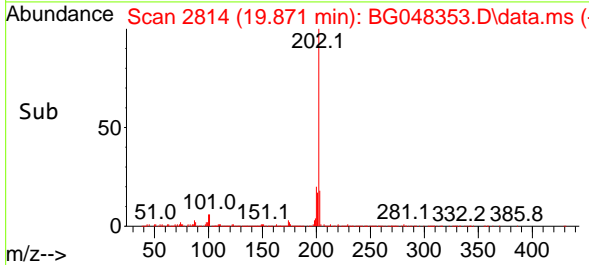
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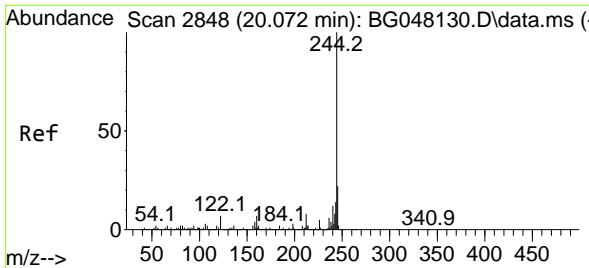


#78  
 Pyrene  
 Concen: 14.02 ng  
 RT: 19.871 min Scan# 2814  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



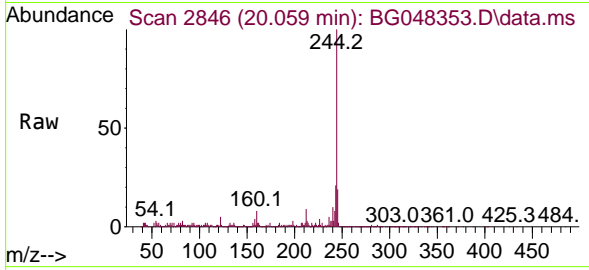
Tgt Ion:202 Resp: 251902  
 Ion Ratio Lower Upper  
 202 100  
 200 20.5 18.6 27.8  
 203 17.9 15.3 22.9





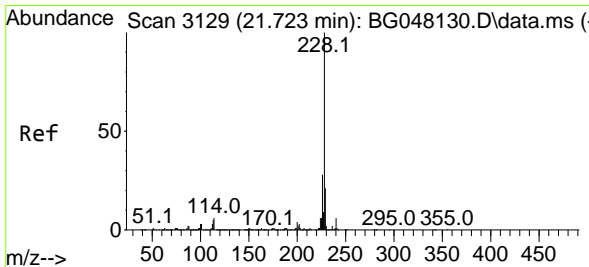
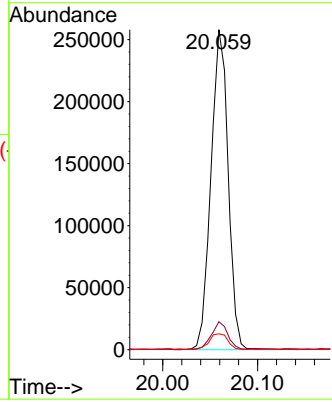
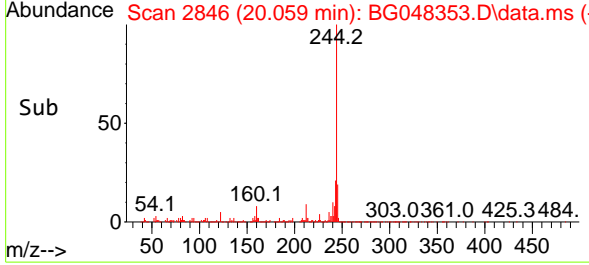
#79  
 Terphenyl-d14  
 Concen: 23.03 ng  
 RT: 20.059 min Scan# 2846  
 Delta R.T. 0.005 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
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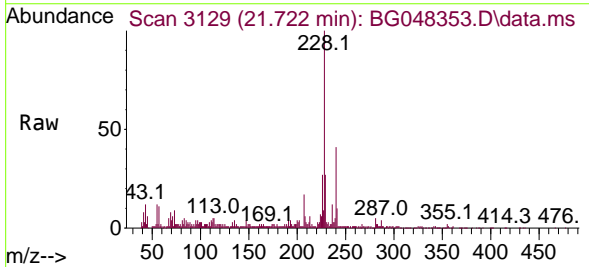


Tgt Ion:244 Resp: 324347  
 Ion Ratio Lower Upper  
 244 100  
 212 8.7 6.7 10.1  
 122 5.0 7.8 11.6#

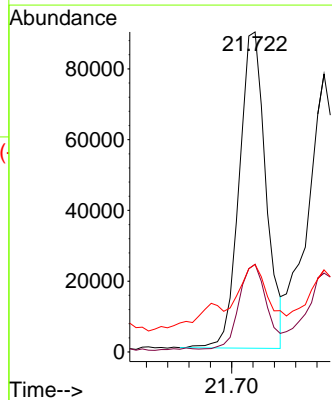
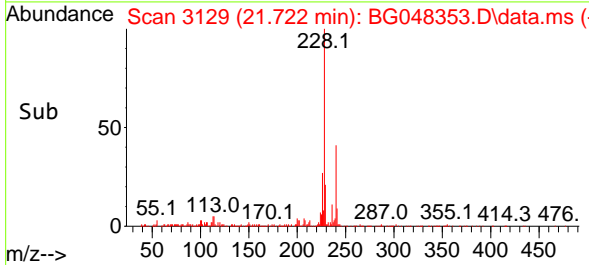
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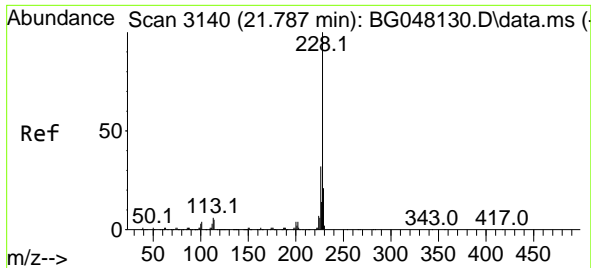


#81  
 Benzo(a)anthracene  
 Concen: 8.68 ng  
 RT: 21.722 min Scan# 3129  
 Delta R.T. 0.017 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



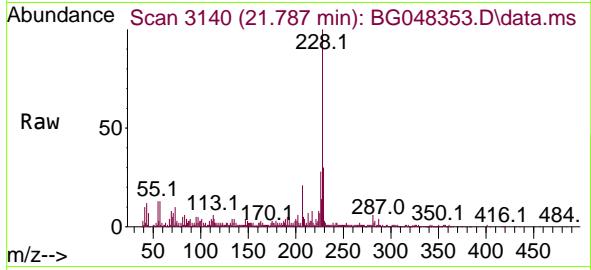
Tgt Ion:228 Resp: 155734  
 Ion Ratio Lower Upper  
 228 100  
 226 27.4 23.3 34.9  
 229 27.3 17.4 26.0#





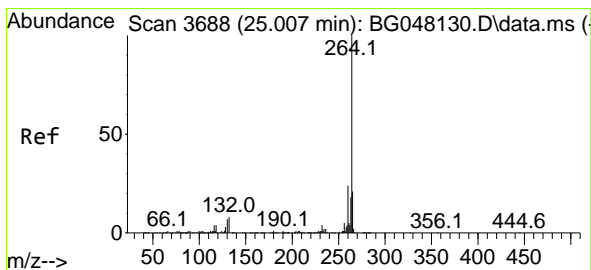
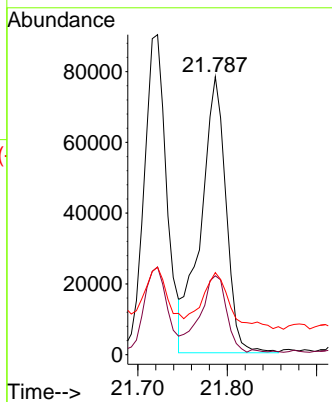
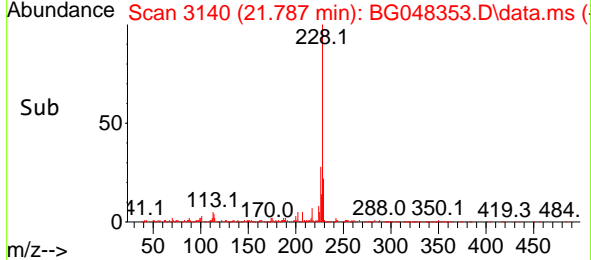
#83  
 Chrysene  
 Concen: 8.90 ng m  
 RT: 21.787 min Scan# 3140  
 Delta R.T. 0.011 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
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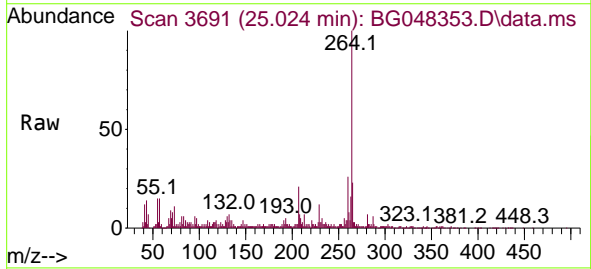


Tgt Ion:228 Resp: 152604  
 Ion Ratio Lower Upper  
 228 100  
 226 28.4 25.0 37.4  
 229 29.6 17.3 25.9#

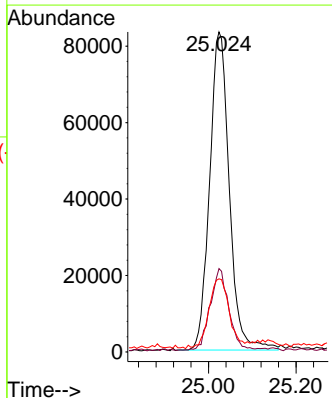
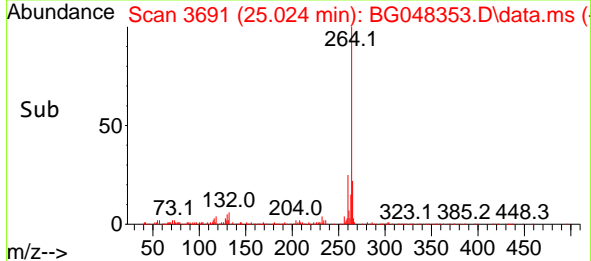
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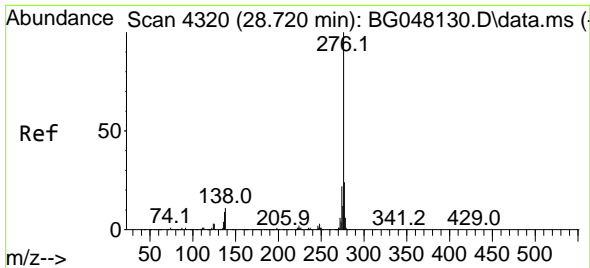


#86  
 Perylene-d12  
 Concen: 20.00 ng  
 RT: 25.024 min Scan# 3691  
 Delta R.T. 0.035 min  
 Lab File: BG048353.D  
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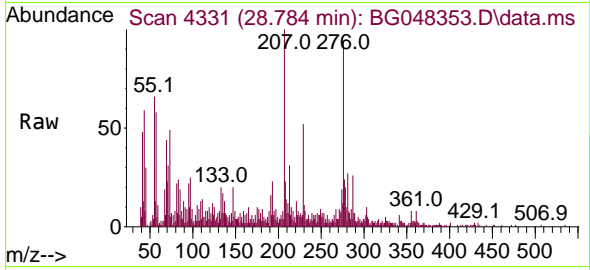
Tgt Ion:264 Resp: 259289  
 Ion Ratio Lower Upper  
 264 100  
 260 26.1 18.8 28.2  
 265 22.9 17.8 26.8





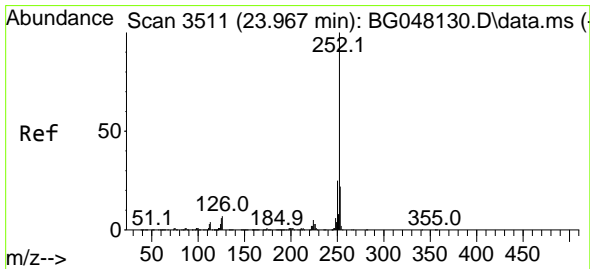
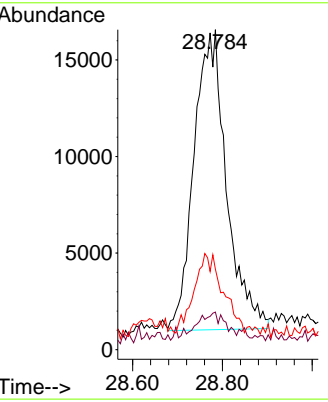
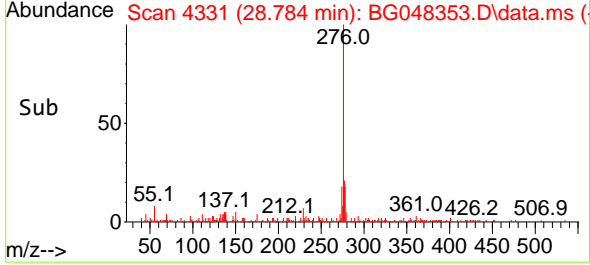
#87  
 Indeno(1,2,3-cd)pyrene  
 Concen: 3.97 ng  
 RT: 28.784 min Scan# 4331  
 Delta R.T. 0.070 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
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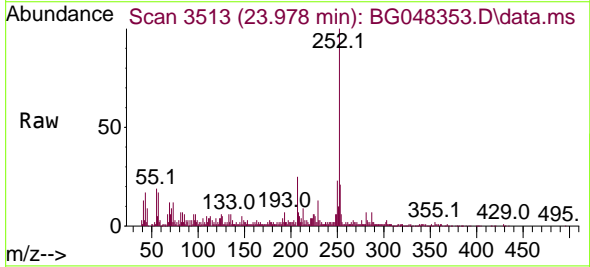


Tgt Ion: 276 Resp: 77904  
 Ion Ratio Lower Upper  
 276 100  
 138 0.0 16.2 24.2#  
 277 0.0 20.3 30.5#

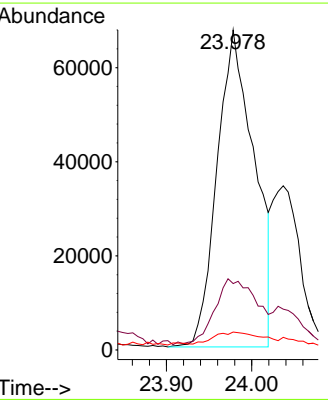
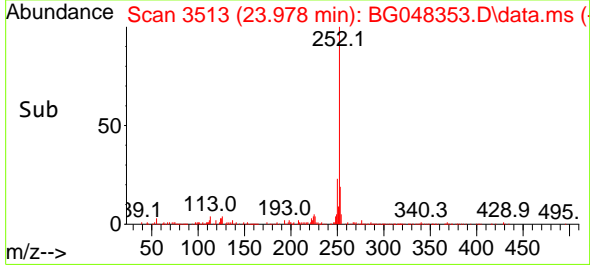
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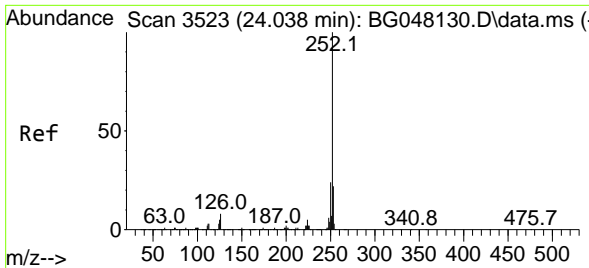


#88  
 Benzo(b)fluoranthene  
 Concen: 11.39 ng  
 RT: 23.978 min Scan# 3513  
 Delta R.T. 0.029 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



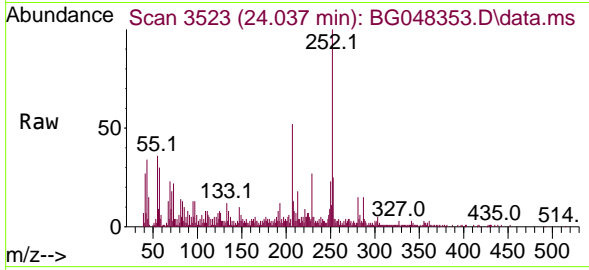
Tgt Ion: 252 Resp: 204194  
 Ion Ratio Lower Upper  
 252 100  
 253 20.8 18.7 28.1  
 125 5.6 6.5 9.7#





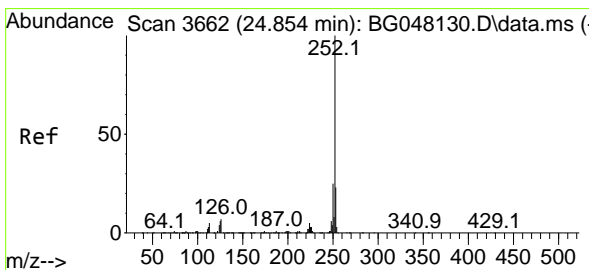
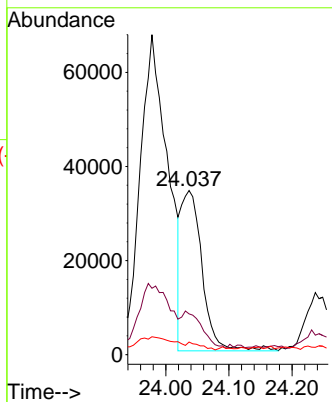
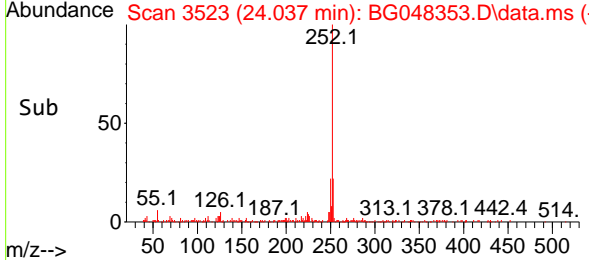
#89  
 Benzo(k)fluoranthene  
 Concen: 4.60 ng m  
 RT: 24.037 min Scan# 3523  
 Delta R.T. 0.017 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

**Instrument :**  
 BNA\_G  
**ClientSampled :**  
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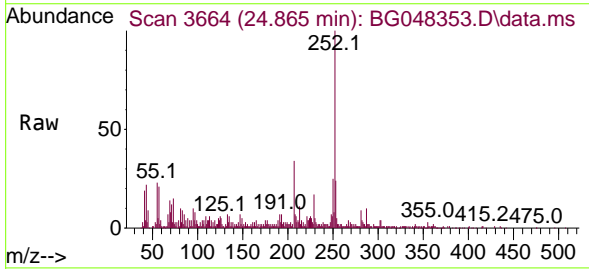


Tgt Ion:252 Resp: 78660  
 Ion Ratio Lower Upper  
 252 100  
 253 24.9 18.6 27.8  
 125 7.7 6.8 10.2

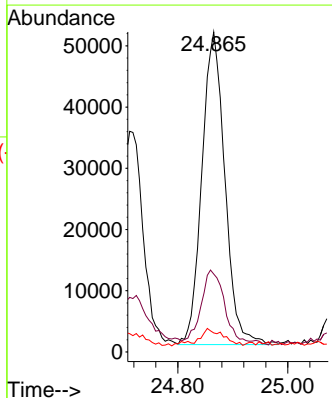
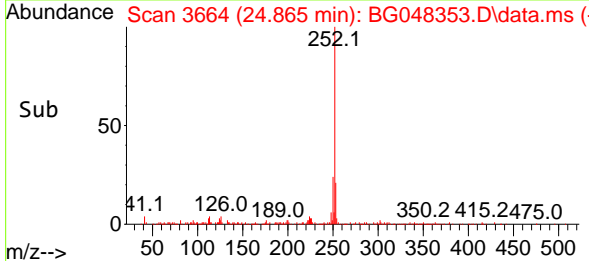
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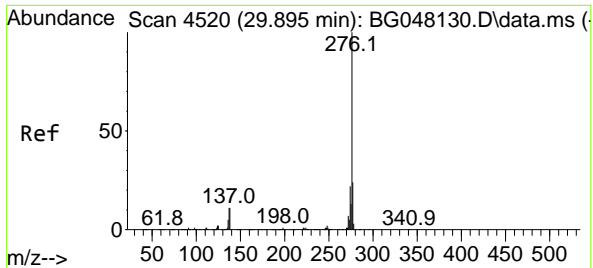


#90  
 Benzo(a)pyrene  
 Concen: 8.93 ng m  
 RT: 24.865 min Scan# 3664  
 Delta R.T. 0.035 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11



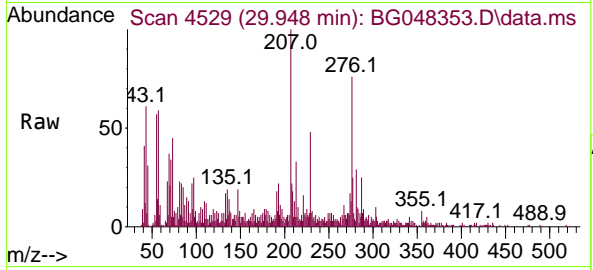
Tgt Ion:252 Resp: 148564  
 Ion Ratio Lower Upper  
 252 100  
 253 24.4 17.9 26.9  
 125 6.0 7.0 10.4#





#92  
 Benzo(g,h,i)perylene  
 Concen: 4.39 ng  
 RT: 29.948 min Scan# 4529  
 Delta R.T. 0.058 min  
 Lab File: BG048353.D  
 Acq: 6 Mar 2021 1:11

**Instrument :**  
 BNA\_G  
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Tgt Ion: 276 Resp: 71562

Ion	Ratio	Lower	Upper
276	100		
277	32.7	19.6	29.4#
138	10.1	13.4	20.2#

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