

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082621\
 Data File : BG050016.D
 Acq On : 28 Aug 2021 4:37
 Operator : CG/JU
 Sample : M3518-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C0AX1

Manual Integrations
 APPROVED

mohammad
 8/30/2021 10:33:19 AM

Quant Time: Aug 28 05:46:40 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SFAM-EPA-BG081921.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 27 11:22:49 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.962	152	34380	20.000	ng/ul	-0.02
20) Naphthalene-d8	10.782	136	138033	20.000	ng/ul	-0.02
38) Acenaphthene-d10	14.624	164	95377	20.000	ng/ul	-0.02
64) Phenanthrene-d10	17.379	188	197883	20.000	ng/ul	-0.02
79) Chrysene-d12	21.650	240	186974	20.000	ng/ul	-0.02
88) Perylene-d12	24.875	264	194526	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.322	96	2197	3.295	ng/uL	-0.02
4) Pyridine-d5	3.762	84	14767	7.353	ng/ul	0.00
7) Phenol-d5	7.134	99	59559	20.401	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.287	67	33834	20.860	ng/ul	-0.02
11) 2-Chlorophenol-d4	7.498	132	46792	21.421	ng/ul	-0.01
15) 4-Methylphenol-d8	8.685	113	38975	16.952	ng/ul	-0.01
21) Nitrobenzene-d5	9.137	128	24344	22.748	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.866	143	29164	22.887	ng/ul	-0.01
28) 2,4-Dichlorophenol-d3	10.418	165	49893	21.952	ng/ul	0.00
31) 4-Chloroaniline-d4	10.923	131	45106	14.581	ng/ul	-0.02
46) Dimethylphthalate-d6	14.025	166	162768	22.299	ng/ul	-0.02
49) Acenaphthylene-d8	14.318	160	200239	23.397	ng/ul	-0.02
54) 4-Nitrophenol-d4	14.859	143	18686	17.694	ng/ul	0.00
60) Fluorene-d10	15.623	176	143345	23.162	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.752	200	21847	17.161	ng/ul	-0.02
73) Anthracene-d10	17.479	188	204991	23.069	ng/ul	-0.02
81) Pyrene-d10	19.770	212	249827	24.726	ng/ul	0.00
92) Benzo(a)pyrene-d12	24.657	264	243909	23.634	ng/ul	-0.02
Target Compounds						Qvalue
30) Naphthalene	10.835	128	40796	5.913	ng/ul	97
36) 2-Methylnaphthalene	12.450	142	30804	6.006	ng/ul	98
37) 1-Methylnaphthalene	12.668	142	24973	4.824	ng/ul#	95
52) Acenaphthene	14.689	153	12240	2.157	ng/ul	92
56) Dibenzofuran	15.023	168	20865	2.655	ng/ul	90
61) Fluorene	15.675	166	14308	2.158	ng/ul#	89
72) Phenanthrene	17.420	178	242132	24.545	ng/ul	97
74) Anthracene	17.514	178	48190m	4.820	ng/ul	
77) Carbazole	17.784	167	20630	2.319	ng/ul#	86
80) Fluoranthene	19.435	202	445534	35.734	ng/ul	98
82) Pyrene	19.799	202	358618	29.026	ng/ul	99
85) Benzo(a)anthracene	21.632	228	217788	18.694	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.526	149	12943	1.933	ng/ul#	96
87) Chrysene	21.697	228	208666	18.947	ng/ul	98
90) Benzo(b)fluoranthene	23.853	252	289005	23.226	ng/ul#	99
91) Benzo(k)fluoranthene	23.917	252	110316m	9.327	ng/ul	
93) Benzo(a)pyrene	24.728	252	204795	18.951	ng/ul	97
94) Indeno(1,2,3-cd)pyrene	28.570	276	154276	10.823	ng/ul#	92
95) Dibenzo(a,h)anthracene	28.611	278	40892m	3.427	ng/ul	
96) Benzo(g,h,i)perylene	29.721	276	137289m	11.456	ng/ul	

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

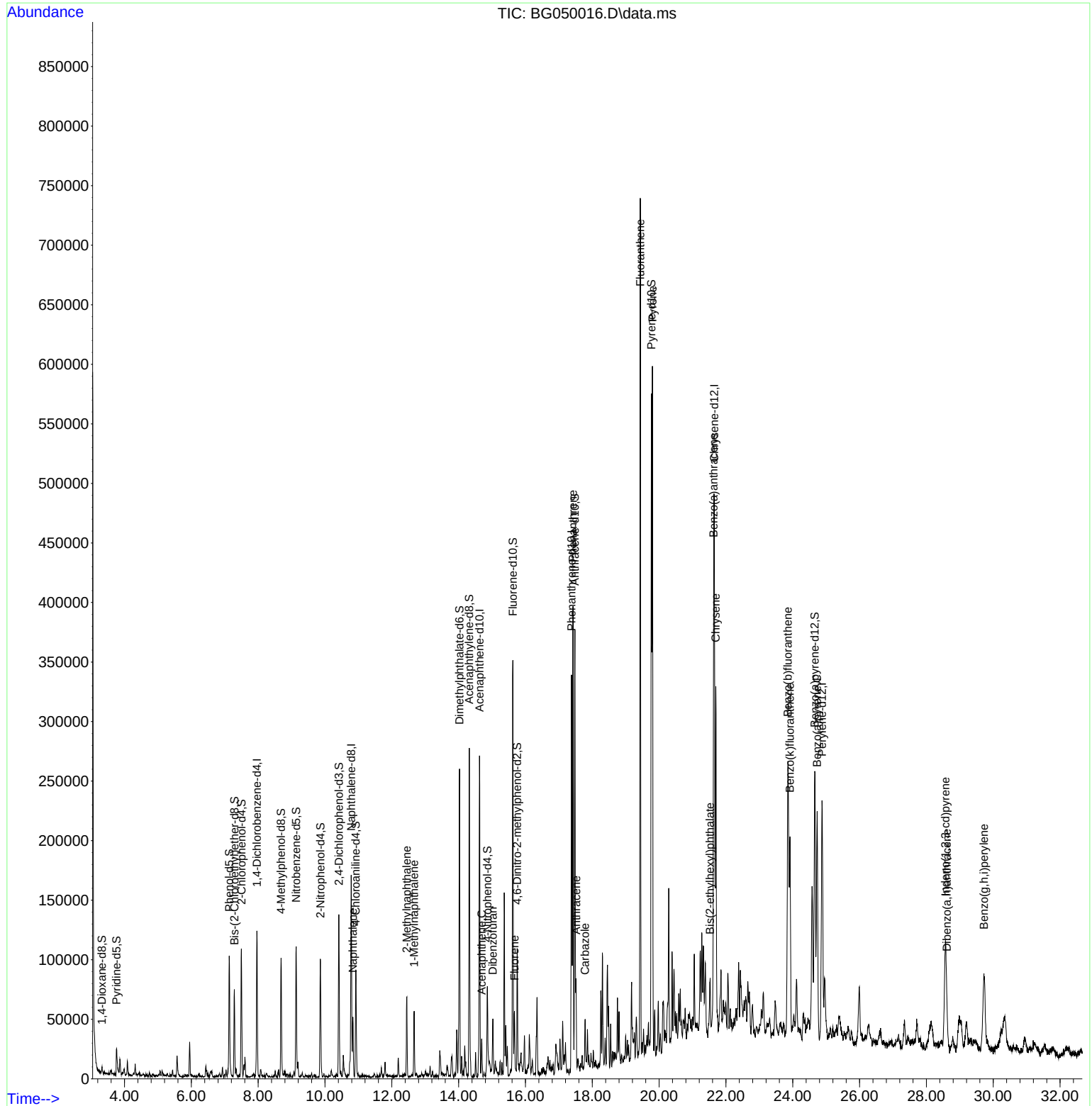
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Data File : BG050016.D
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Operator : CG/JU
Sample : M3518-02
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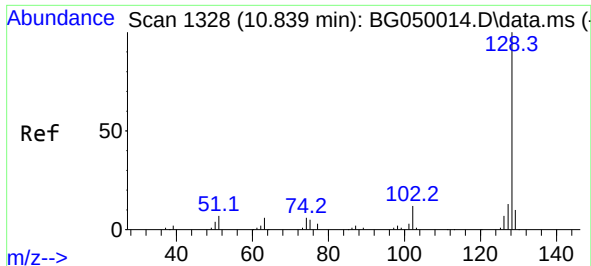
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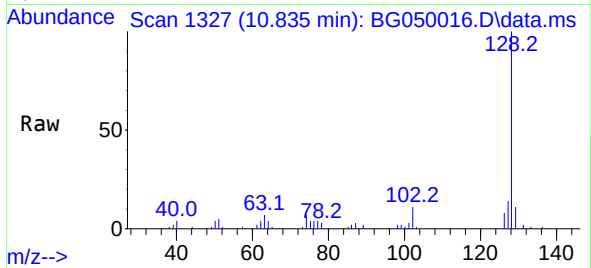
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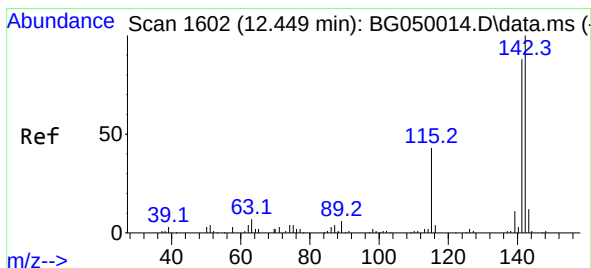
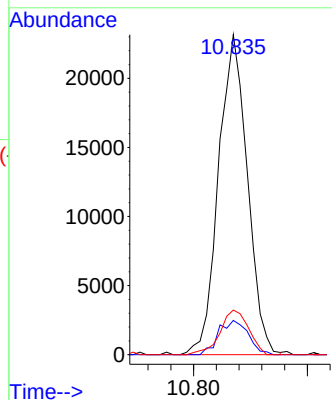
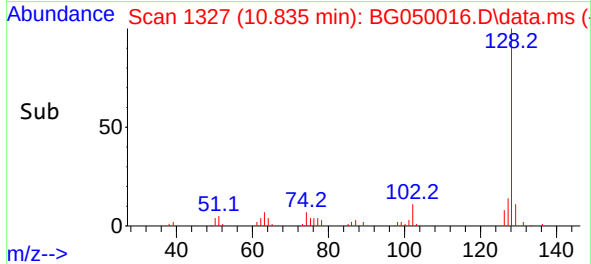




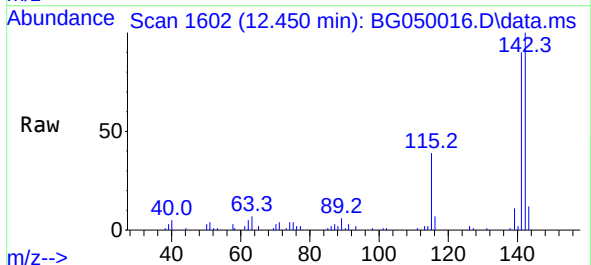
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Naphthalene
Concen: 5.913 ng/ul
RT: 10.835 min Scan# 1327
Delta R.T. -0.021 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37



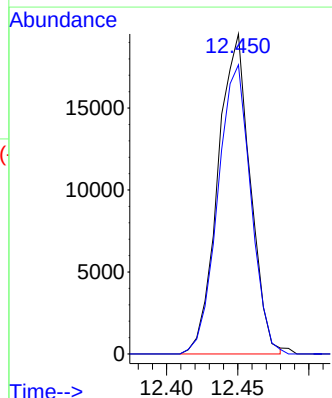
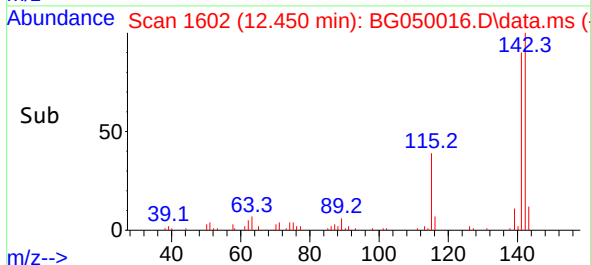
Tgt Ion:128 Resp: 40796
Ion Ratio Lower Upper
128 100
129 10.7 9.3 13.9
127 13.9 9.8 14.6



#36
2-Methylnaphthalene
Concen: 6.006 ng/ul
RT: 12.450 min Scan# 1602
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37



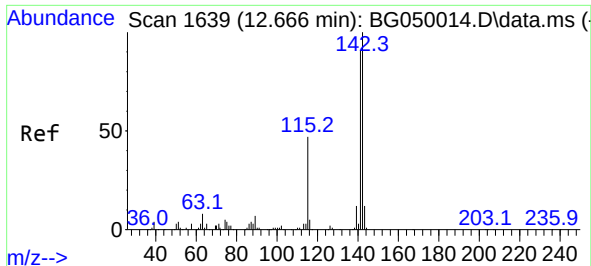
Tgt Ion:142 Resp: 30804
Ion Ratio Lower Upper
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Instrument :
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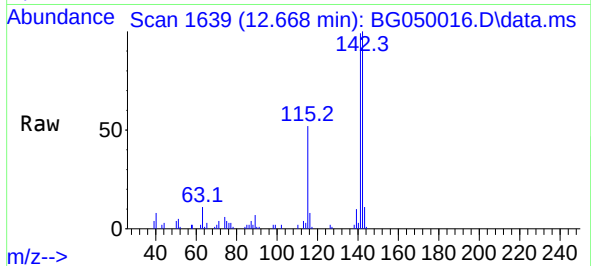
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#37
1-Methylnaphthalene
Concen: 4.824 ng/ul
RT: 12.668 min Scan# 1639
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

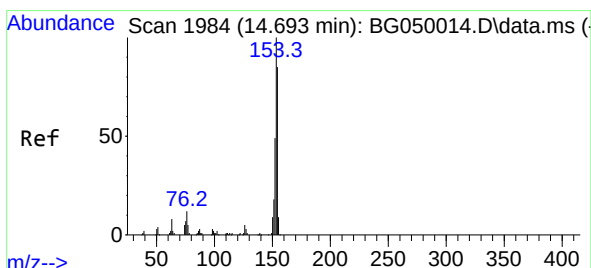
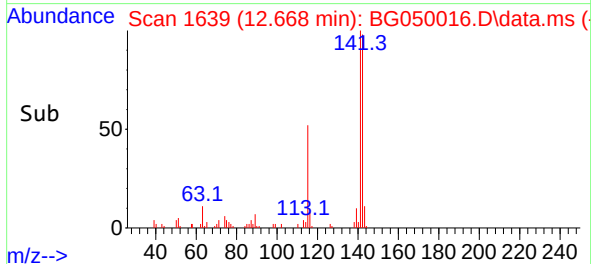
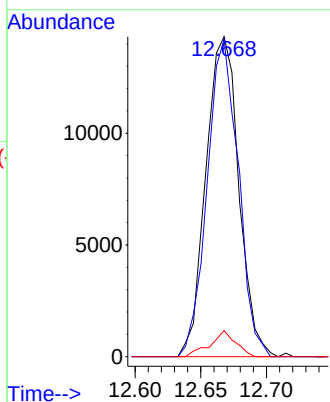
Instrument :
BNA_G
ClientSampleId :
C0AX1



Tgt Ion:142 Resp: 24973
Ion Ratio Lower Upper
142 100
141 99.3 75.8 113.8
116 8.2 3.7 5.5#

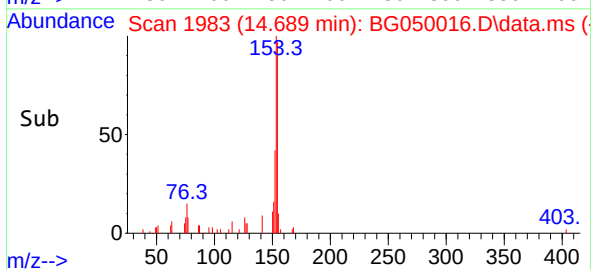
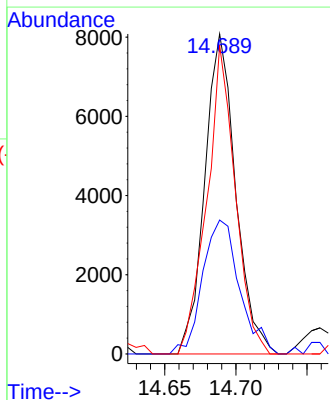
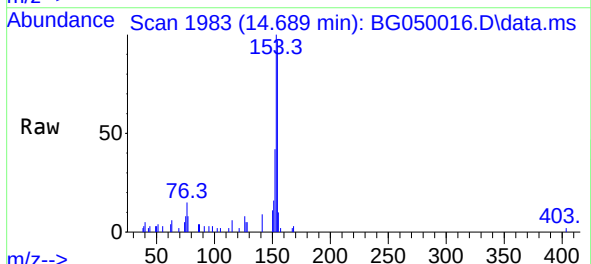
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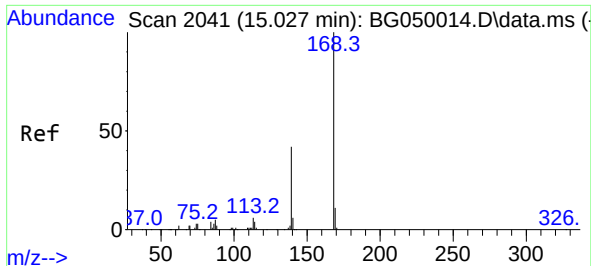
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#52
Acenaphthene
Concen: 2.157 ng/ul
RT: 14.689 min Scan# 1983
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

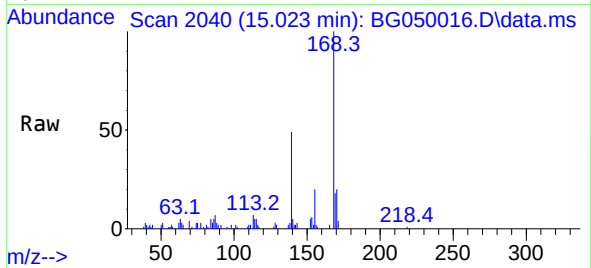
Tgt Ion:153 Resp: 12240
Ion Ratio Lower Upper
153 100
152 41.9 37.4 56.2
154 96.5 71.5 107.3





#56
Dibenzofuran
Concen: 2.655 ng/ul
RT: 15.023 min Scan# 2040
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

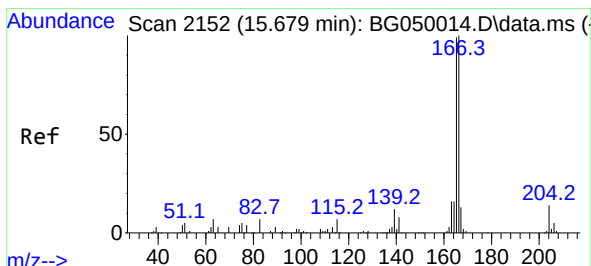
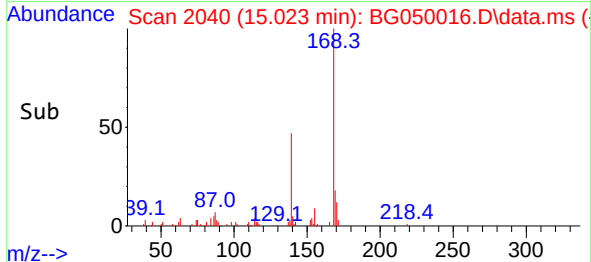
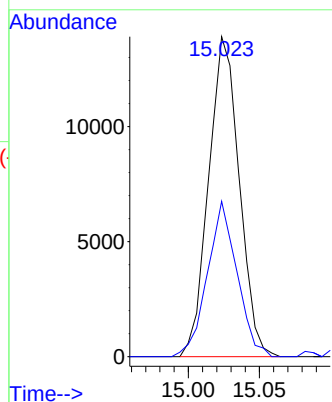
Instrument :
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ClientSampleId :
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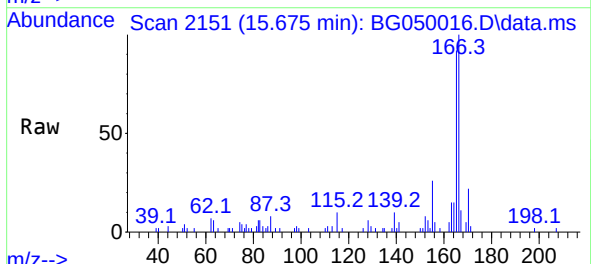
Tgt Ion:168 Resp: 20865
Ion Ratio Lower Upper
168 100
139 48.6 33.8 50.8

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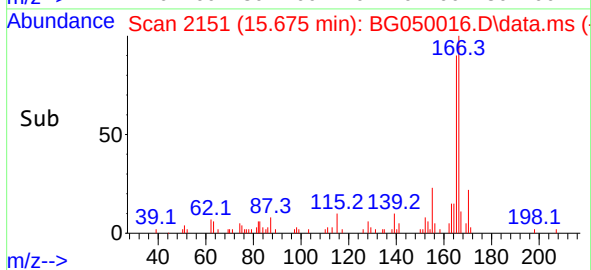
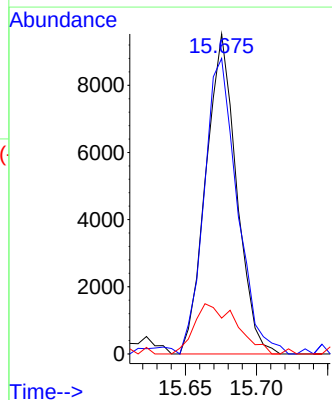
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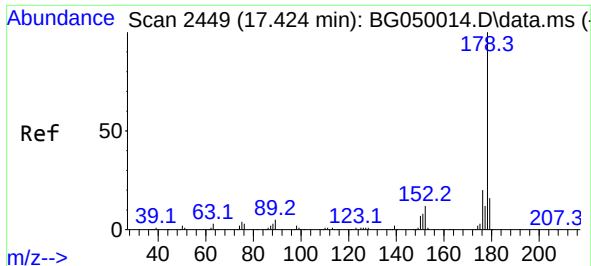


#61
Fluorene
Concen: 2.158 ng/ul
RT: 15.675 min Scan# 2151
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37



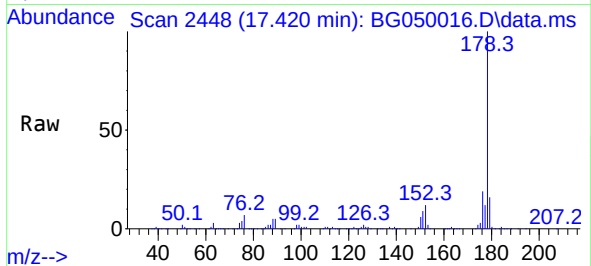
Tgt Ion:166 Resp: 14308
Ion Ratio Lower Upper
166 100
165 92.3 83.3 124.9
167 11.2 11.8 17.6#





#72
Phenanthrene
Concen: 24.545 ng/ul
RT: 17.420 min Scan# 2448
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

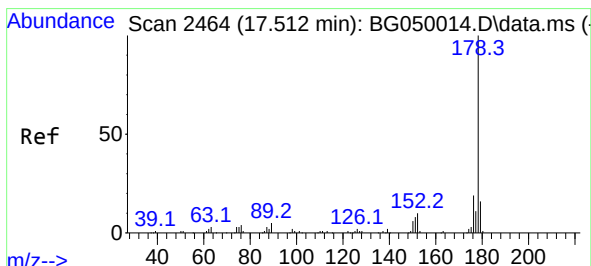
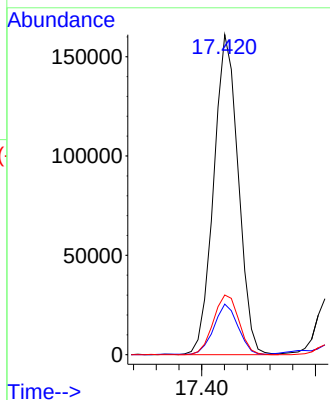
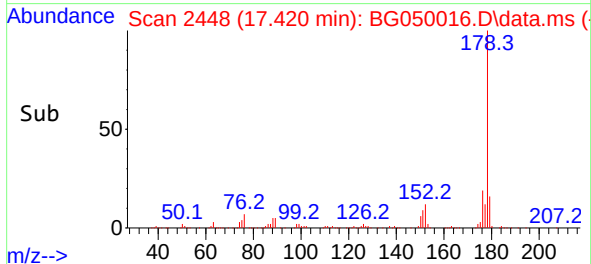
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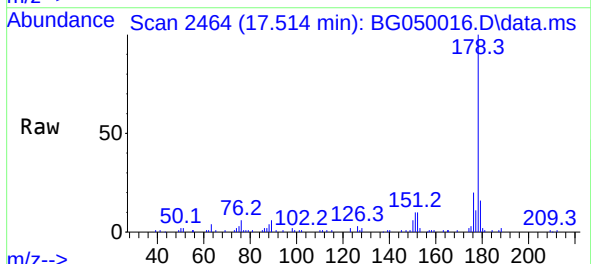
Tgt Ion:178 Resp: 242132
Ion Ratio Lower Upper
178 100
179 15.8 11.7 17.5
176 18.6 16.2 24.2

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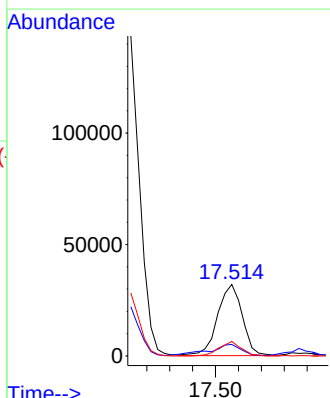
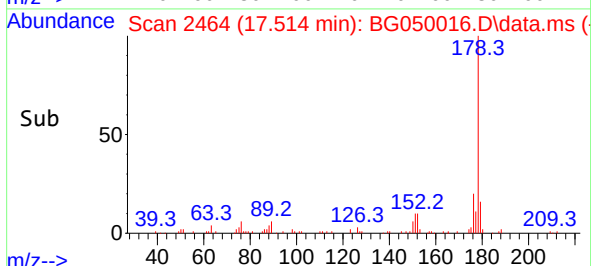
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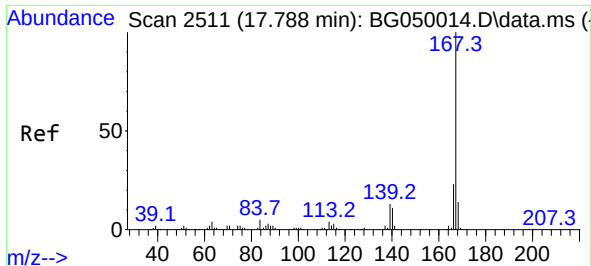


#74
Anthracene
Concen: 4.820 ng/ul m
RT: 17.514 min Scan# 2464
Delta R.T. -0.009 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37



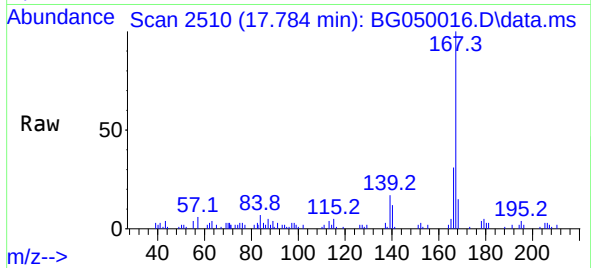
Tgt Ion:178 Resp: 48190
Ion Ratio Lower Upper
178 100
179 16.0 11.4 17.0
176 20.4 12.8 19.2#





#77
 Carbazole
 Concen: 2.319 ng/ul
 RT: 17.784 min Scan# 2510
 Delta R.T. -0.015 min
 Lab File: BG050016.D
 Acq: 28 Aug 2021 4:37

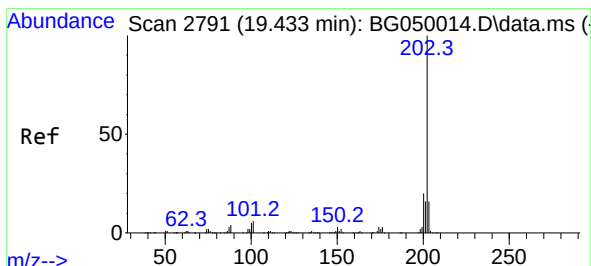
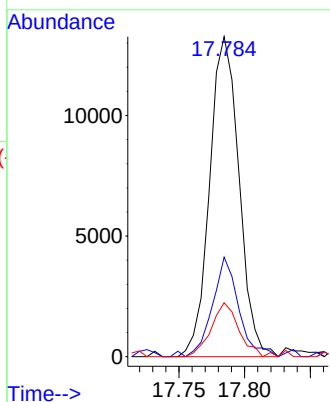
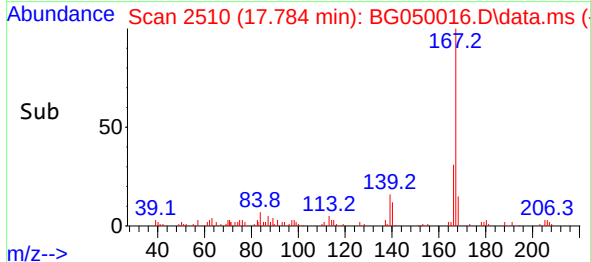
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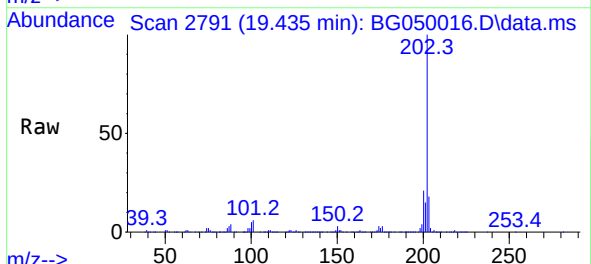
Tgt Ion:167 Resp: 20630
 Ion Ratio Lower Upper
 167 100
 166 31.1 17.8 26.8#
 139 16.9 11.1 16.7#

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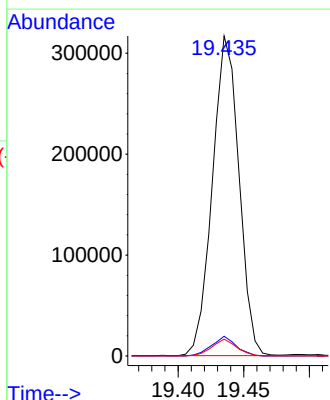
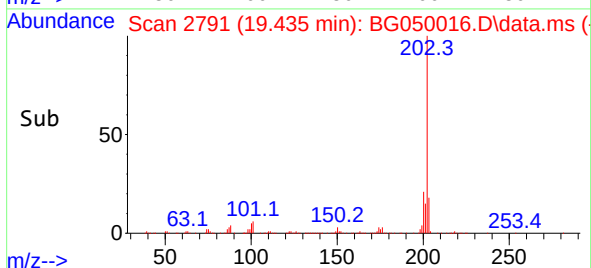
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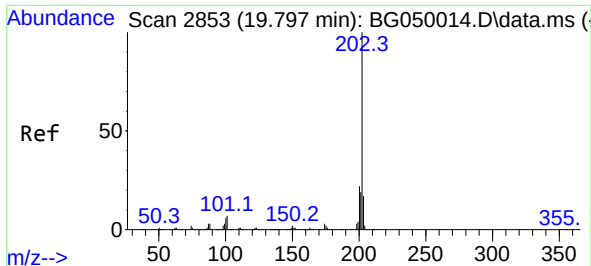


#80
 Fluoranthene
 Concen: 35.734 ng/ul
 RT: 19.435 min Scan# 2791
 Delta R.T. -0.009 min
 Lab File: BG050016.D
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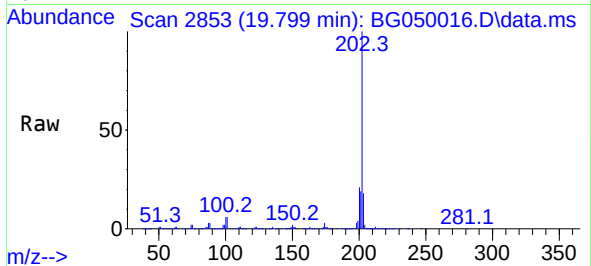
Tgt Ion:202 Resp: 445534
 Ion Ratio Lower Upper
 202 100
 101 6.2 4.3 6.5
 100 5.2 3.5 5.3





#82
Pyrene
Concen: 29.026 ng/ul
RT: 19.799 min Scan# 2853
Delta R.T. -0.009 min
Lab File: BG050016.D
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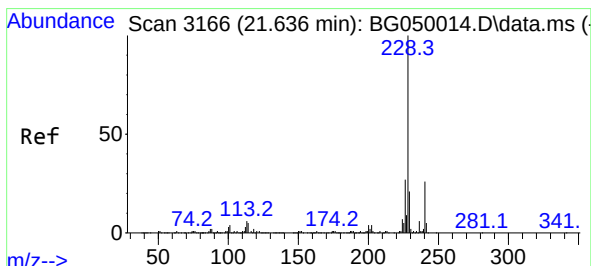
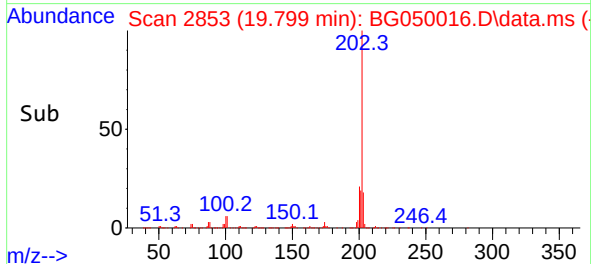
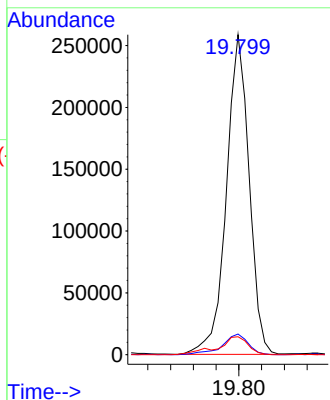
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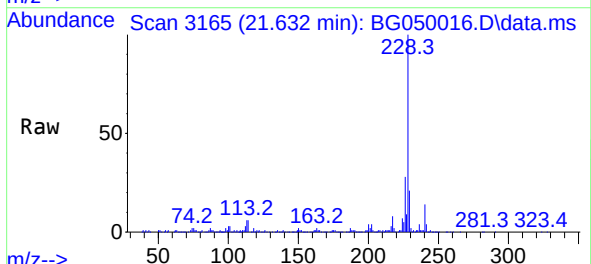
Tgt Ion:202 Resp: 358618
Ion Ratio Lower Upper
202 100
101 6.5 5.4 8.0
100 5.6 5.0 7.6

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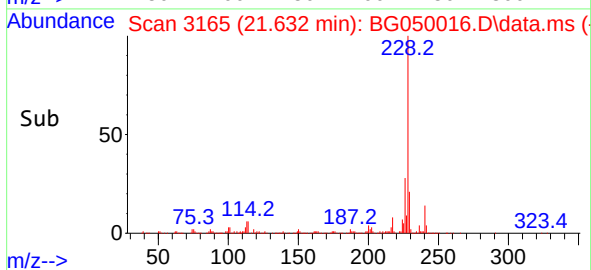
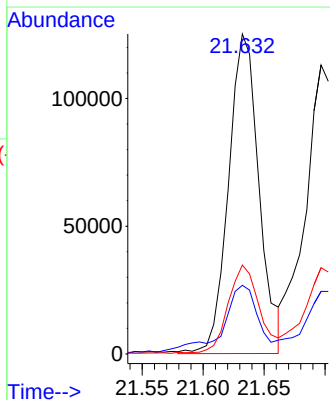
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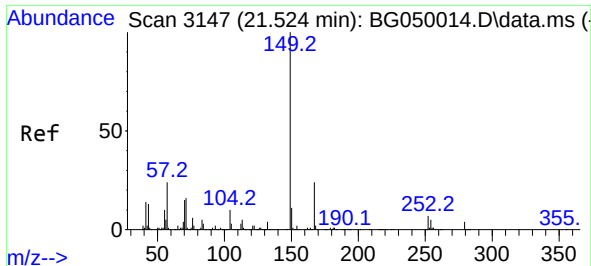


#85
Benzo(a)anthracene
Concen: 18.694 ng/ul
RT: 21.632 min Scan# 3165
Delta R.T. -0.015 min
Lab File: BG050016.D
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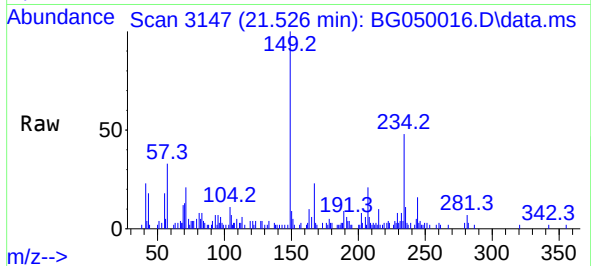


Tgt Ion:228 Resp: 217788
Ion Ratio Lower Upper
228 100
229 21.4 16.2 24.4
226 27.8 21.0 31.4

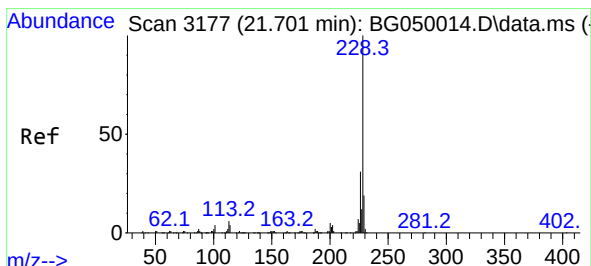
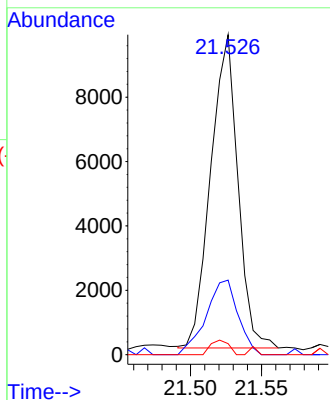
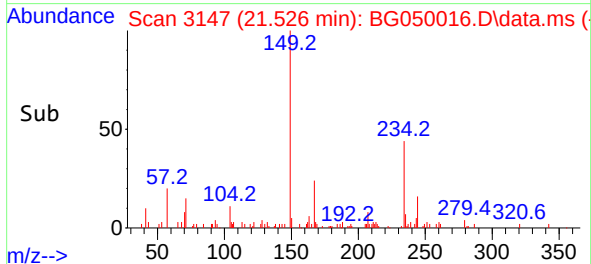




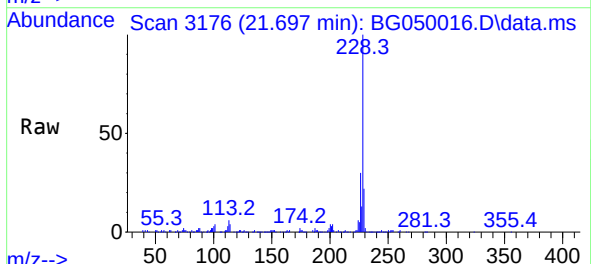
#86
Bis(2-ethylhexyl)phthalate
Concen: 1.933 ng/ul
RT: 21.526 min Scan# 3147
Delta R.T. -0.009 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37



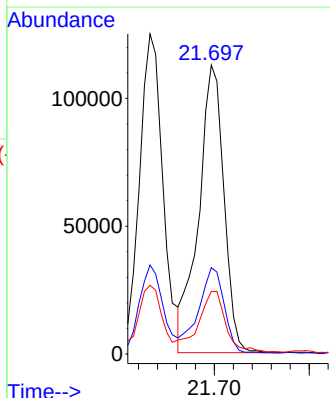
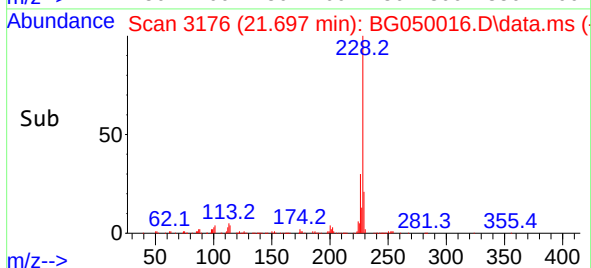
Tgt Ion:149 Resp: 12943
Ion Ratio Lower Upper
149 100
167 23.3 20.4 30.6
279 3.4 3.7 5.5#



#87
Chrysene
Concen: 18.947 ng/ul
RT: 21.697 min Scan# 3176
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37



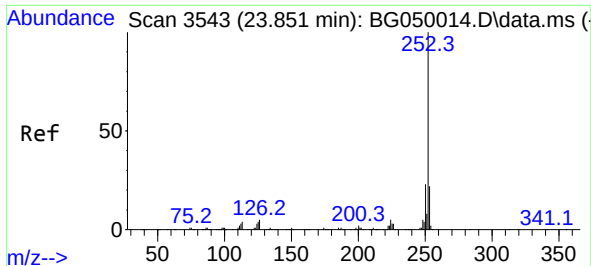
Tgt Ion:228 Resp: 208666
Ion Ratio Lower Upper
228 100
226 29.8 23.0 34.4
229 21.7 17.8 26.6



Instrument :
BNA_G
ClientSampleId :
C0AX1

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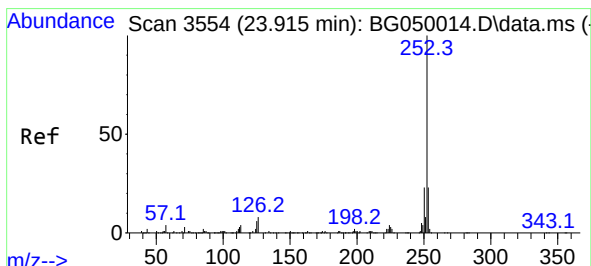
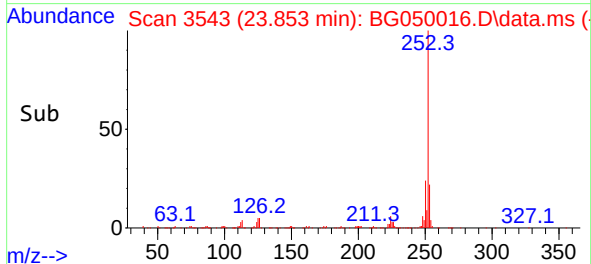
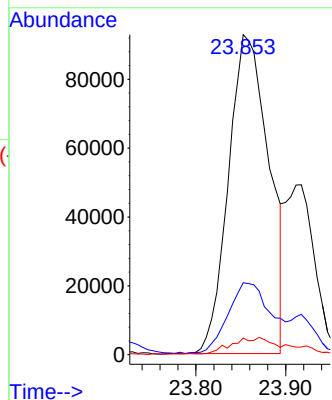
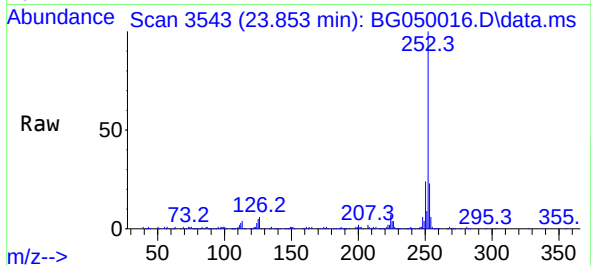
#90
Benzo(b)fluoranthene
Concen: 23.226 ng/ul
RT: 23.853 min Scan# 3543
Delta R.T. -0.009 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

Instrument :
BNA_G
ClientSampleId :
C0AX1

Tgt Ion:252 Resp: 289005
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 5.2 3.4 5.0#

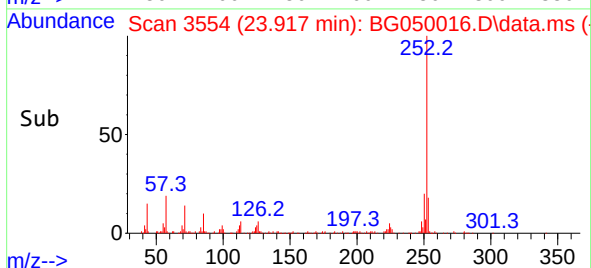
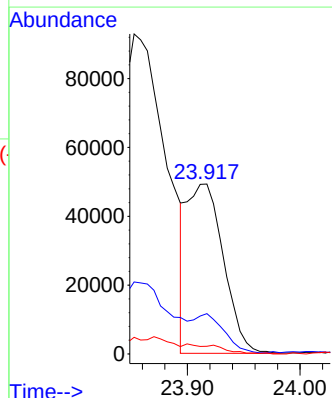
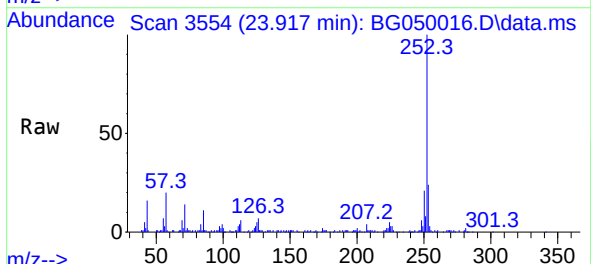
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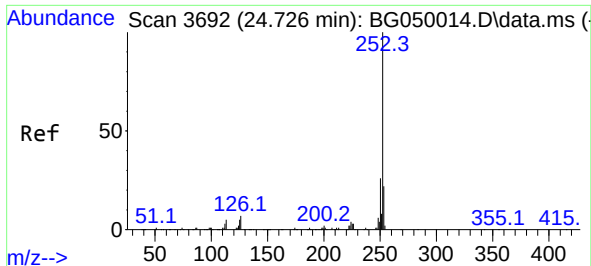
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#91
Benzo(k)fluoranthene
Concen: 9.327 ng/ul m
RT: 23.917 min Scan# 3554
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

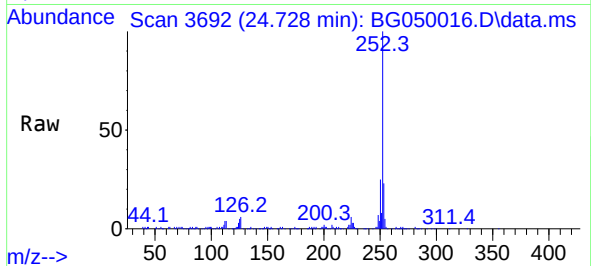
Tgt Ion:252 Resp: 110316
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 4.5 4.1 6.1





#93
Benzo(a)pyrene
Concen: 18.951 ng/ul
RT: 24.728 min Scan# 3692
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

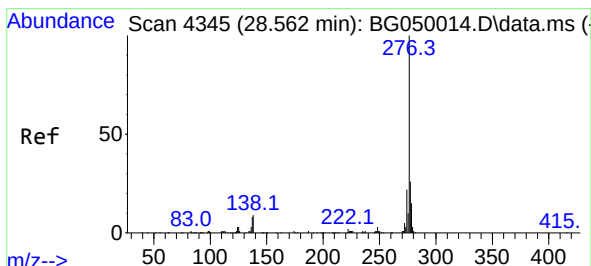
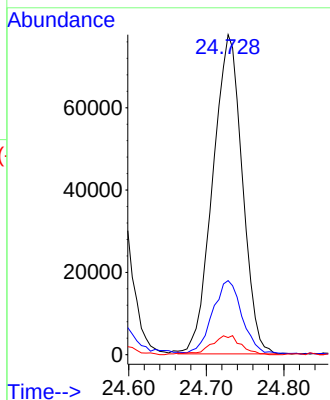
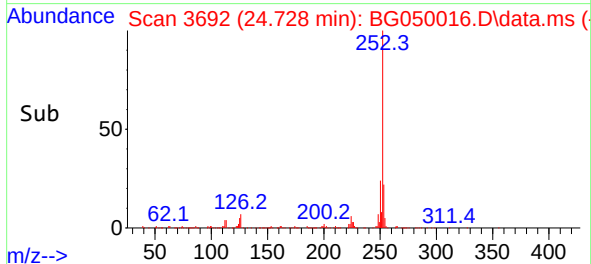
Instrument :
BNA_G
ClientSampleId :
C0AX1



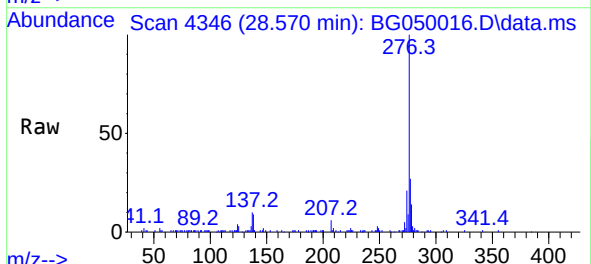
Tgt Ion:252 Resp: 204795
Ion Ratio Lower Upper
252 100
253 23.2 17.0 25.4
125 5.3 4.4 6.6

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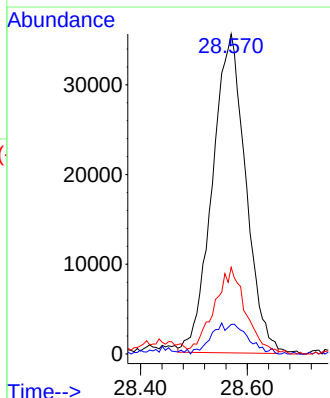
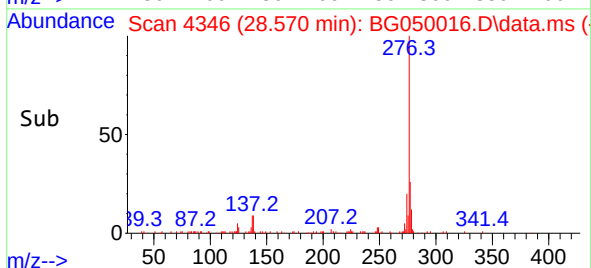
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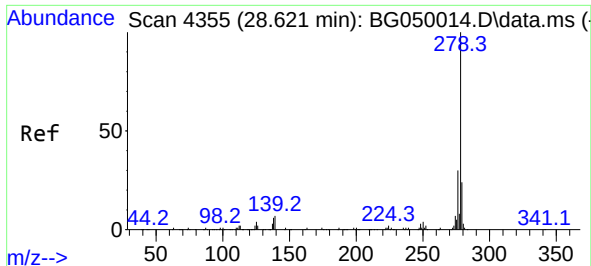


#94
Indeno(1,2,3-cd)pyrene
Concen: 10.823 ng/ul
RT: 28.570 min Scan# 4346
Delta R.T. -0.021 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37



Tgt Ion:276 Resp: 154276
Ion Ratio Lower Upper
276 100
138 9.2 5.5 8.3#
277 27.1 18.6 27.8





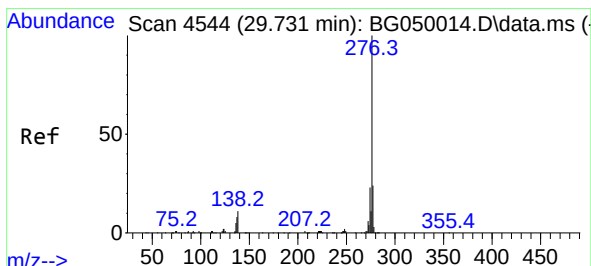
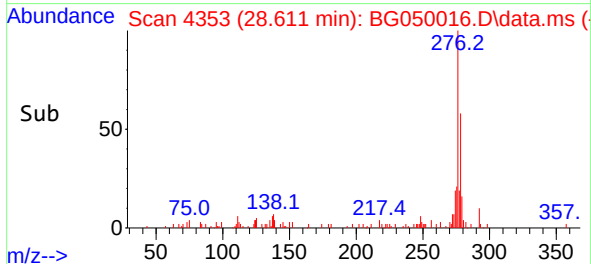
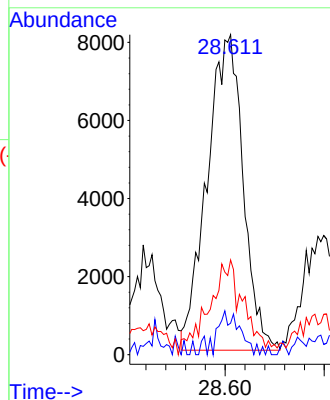
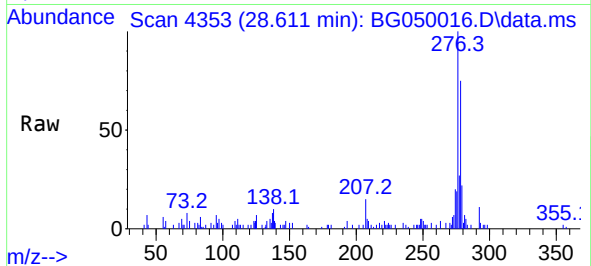
#95
Dibenzo(a,h)anthracene
Concen: 3.427 ng/ul m
RT: 28.611 min Scan# 4353
Delta R.T. -0.033 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

Tgt Ion	Ratio	Lower	Upper
278	100		
139	5.4	5.2	7.8
279	29.6	19.0	28.4#

Instrument :
BNA_G
ClientSampled :
C0AX1

Manual Integrations
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#96
Benzo(g,h,i)perylene
Concen: 11.456 ng/ul m
RT: 29.721 min Scan# 4542
Delta R.T. -0.015 min
Lab File: BG050016.D
Acq: 28 Aug 2021 4:37

Tgt Ion	Ratio	Lower	Upper
276	100		
138	9.2	8.6	13.0
277	27.7	17.4	26.0#

