

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
 Data File : BM030535.D
 Acq On : 23 Jun 2021 03:48
 Operator : CG/JU
 Sample : M2662-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BGDF4

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Quant Time: Jun 23 04:36:43 2021
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SFAM-EPA-BM062221.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 23 01:33:40 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.804	152	189005	20.000	ng/ul	0.00
20) Naphthalene-d8	10.598	136	710437	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.439	164	417152	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.180	188	844627	20.000	ng/ul	0.00
79) Chrysene-d12	21.362	240	1069891	20.000	ng/ul	0.01
88) Perylene-d12	23.627	264	1085064m	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.281	96	15933	3.418	ng/uL	0.00
4) Pyridine-d5	3.704	84	114534	9.144	ng/ul	0.00
7) Phenol-d5	6.975	99	313834	19.253	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.140	67	208266	20.327	ng/ul	0.00
11) 2-Chlorophenol-d4	7.340	132	267030	21.223	ng/ul	0.00
15) 4-Methylphenol-d8	8.510	113	251304	19.810	ng/ul	0.00
21) Nitrobenzene-d5	8.963	128	119376	22.518	ng/ul	0.00
24) 2-Nitrophenol-d4	9.681	143	127088	21.571	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.222	165	245141	21.721	ng/ul	0.00
31) 4-Chloroaniline-d4	10.739	131	265286	16.856	ng/ul	0.00
46) Dimethylphthalate-d6	13.845	166	731123	25.383	ng/ul	0.00
49) Acenaphthylene-d8	14.127	160	918412	24.564	ng/ul	0.00
54) 4-Nitrophenol-d4	14.639	143	77119	14.133	ng/ul	0.00
60) Fluorene-d10	15.427	176	676466	26.479	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.568	200	50528	9.144	ng/ul	0.02
73) Anthracene-d10	17.280	188	1047153	26.565	ng/ul	0.00
81) Pyrene-d10	19.568	212	793390	14.152	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.480	264	556647m	9.867	ng/ul	0.00
Target Compounds	Qvalue					
8) Phenol	6.998	94	22932	1.391	ng/ul	95
30) Naphthalene	10.645	128	421215	11.710	ng/ul	100
36) 2-Methylnaphthalene	12.257	142	54428	2.168	ng/ul	99
37) 1-Methylnaphthalene	12.475	142	49496	1.948	ng/ul#	98
43) 1,1'-Biphenyl	13.269	154	121481	3.946	ng/ul	100
50) Acenaphthylene	14.157	152	1950465	56.240	ng/ul	99
52) Acenaphthene	14.498	153	773709	30.741	ng/ul	97
56) Dibenzofuran	14.833	168	1233986	35.169	ng/ul	98
61) Fluorene	15.486	166	1905371	65.892	ng/ul	100
72) Phenanthrene	17.233	178	19565796m	431.364	ng/ul	
74) Anthracene	17.321	178	9325787	201.088	ng/ul	94
77) Carbazole	17.580	167	133668	3.214	ng/ul#	88
80) Fluoranthene	19.245	202	23783342m	347.369	ng/ul	
82) Pyrene	19.609	202	14230653	197.808	ng/ul	96
85) Benzo(a)anthracene	21.345	228	16771814	252.602	ng/ul#	69
86) Bis(2-ethylhexyl)phtha...	21.256	149	120283	3.531	ng/ul#	97
87) Chrysene	21.403	228	12869005	198.820	ng/ul#	81
90) Benzo(b)fluoranthene	22.962	252	16824199m	244.223	ng/ul	
91) Benzo(k)fluoranthene	22.997	252	6737078m	101.762	ng/ul	
93) Benzo(a)pyrene	23.533	252	3166019m	51.112	ng/ul	
94) Indeno(1,2,3-cd)pyrene	25.944	276	3092562m	39.658	ng/ul	
95) Dibenzo(a,h)anthracene	25.944	278	2202826m	34.076	ng/ul	

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

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

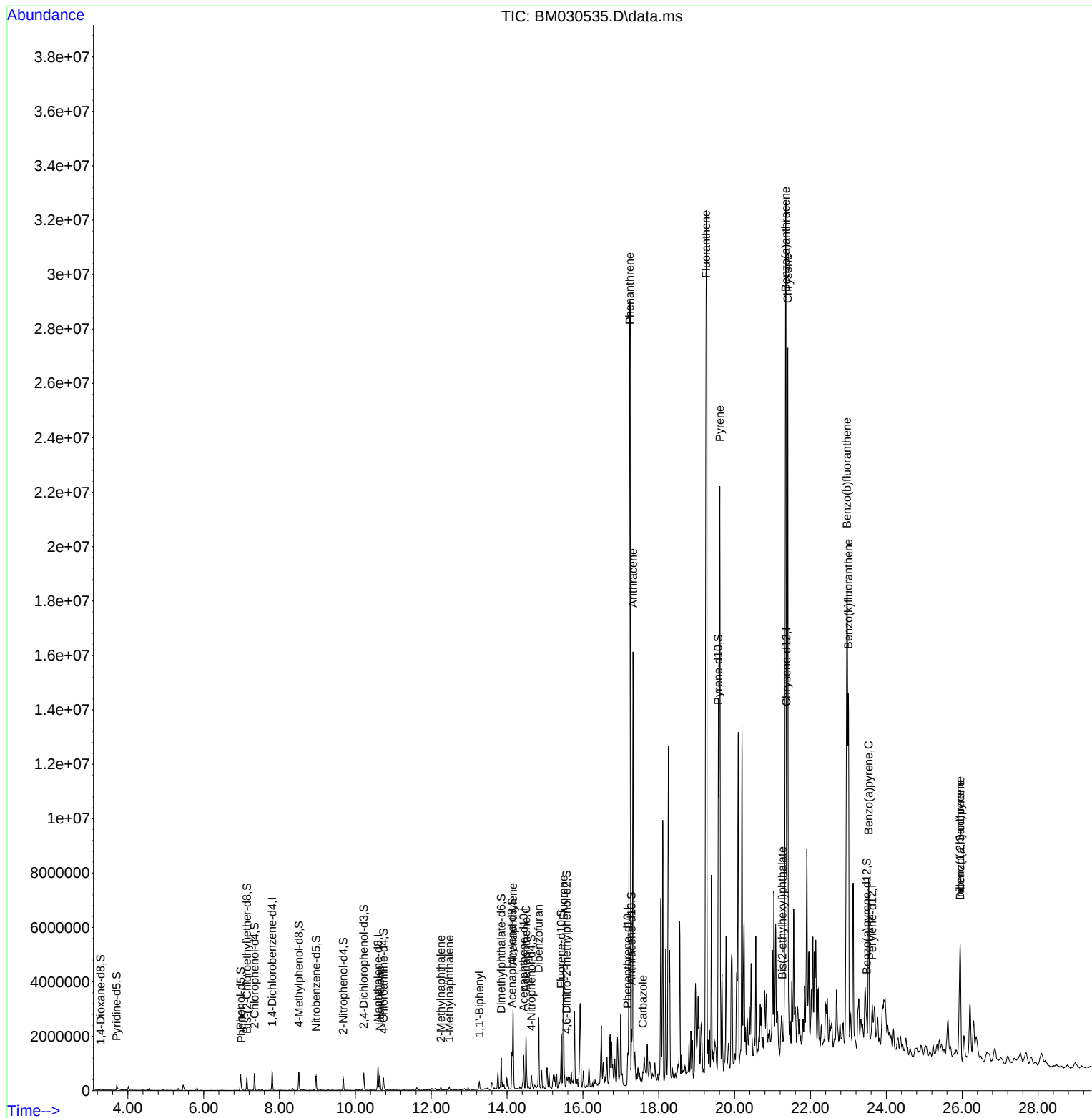
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM062221\
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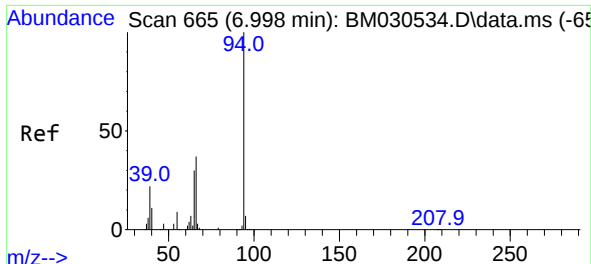
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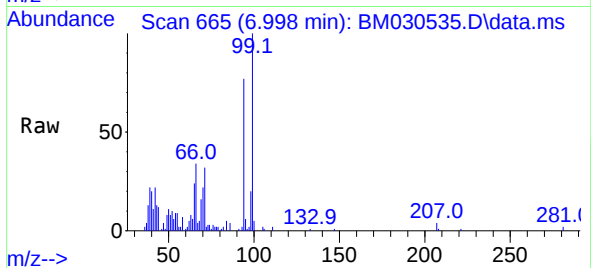
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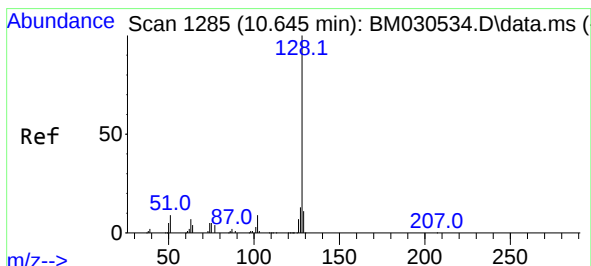
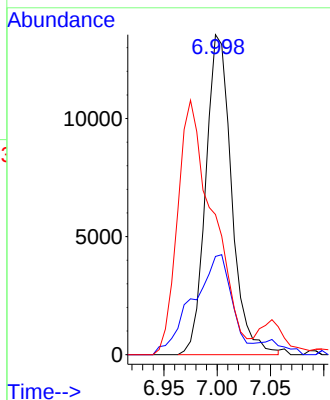
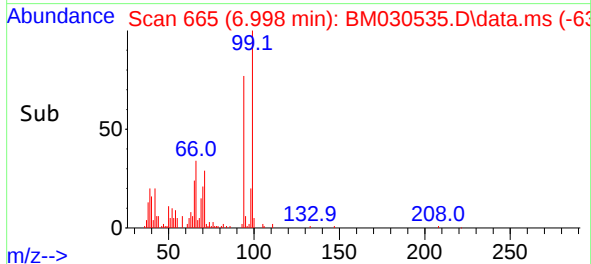




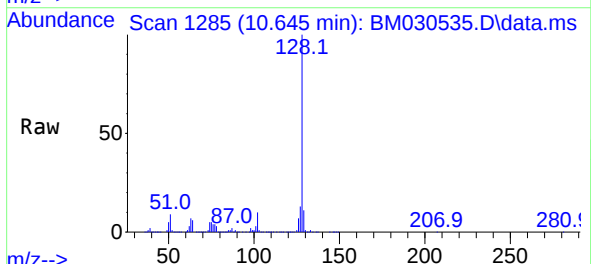
#8
Phenol
Concen: 1.391 ng/ul
RT: 6.998 min Scan# 665
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48



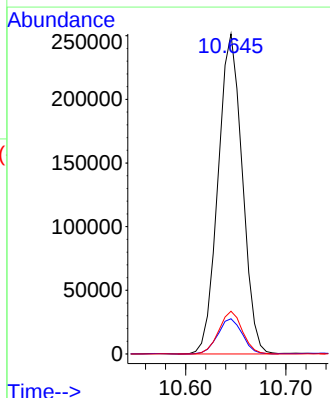
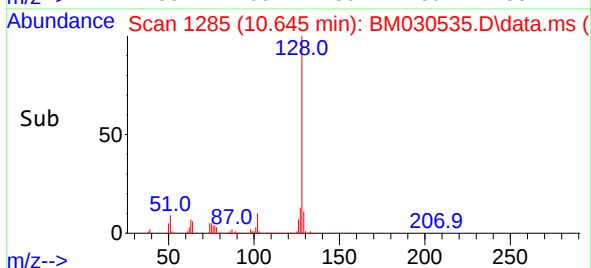
Tgt Ion: 94 Resp: 22932
Ion Ratio Lower Upper
94 100
65 30.7 24.2 36.4
66 43.8 31.4 47.0



#30
Naphthalene
Concen: 11.710 ng/ul
RT: 10.645 min Scan# 1285
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48



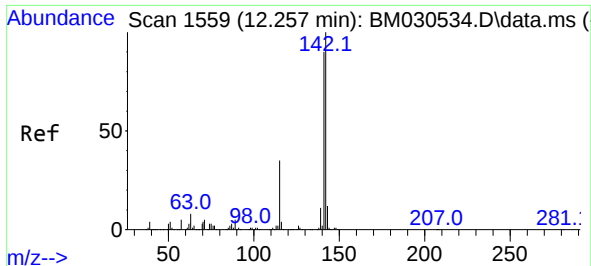
Tgt Ion: 128 Resp: 421215
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.3 10.6 15.8



Instrument :
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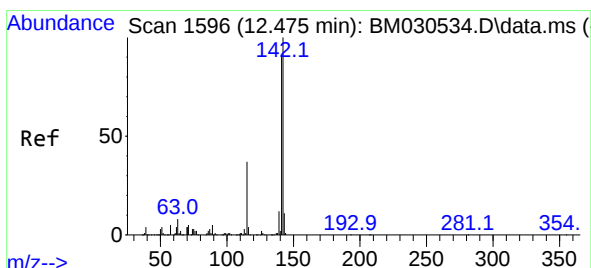
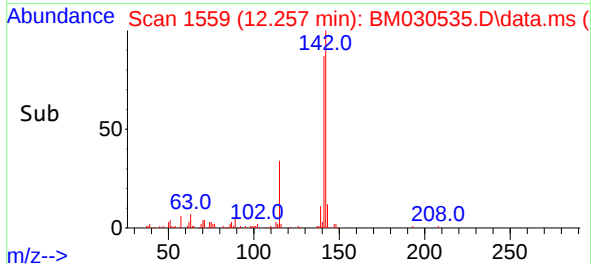
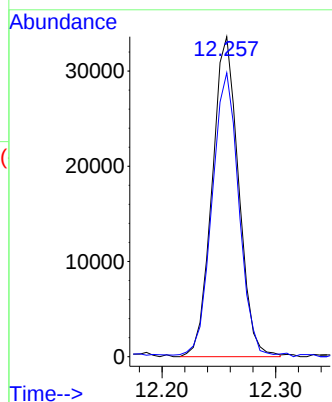
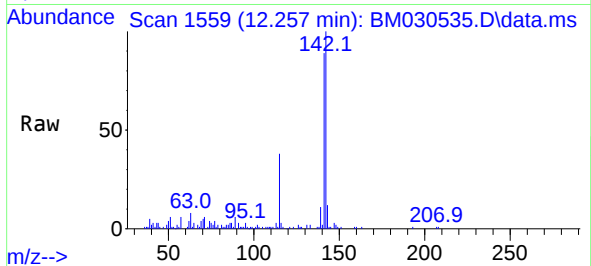
#36
2-Methylnaphthalene
Concen: 2.168 ng/ul
RT: 12.257 min Scan# 1559
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

Instrument :
BNA_M
ClientSampled :
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Tgt Ion:142 Resp: 54428
Ion Ratio Lower Upper
142 100
141 88.7 70.6 105.8

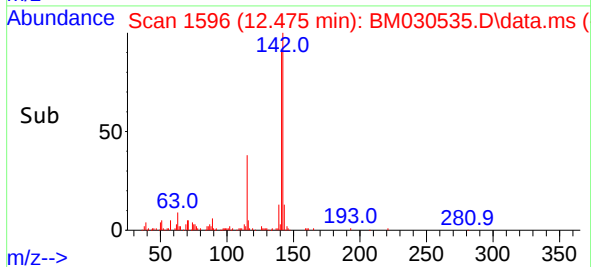
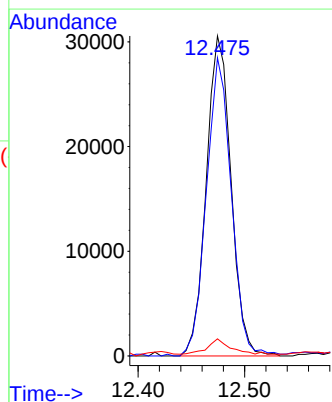
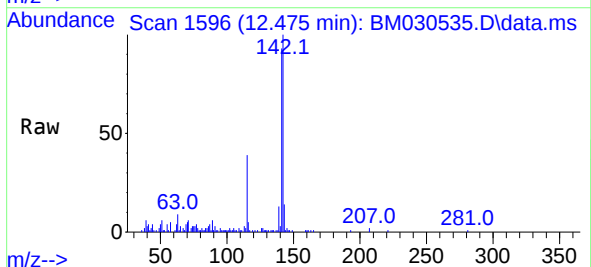
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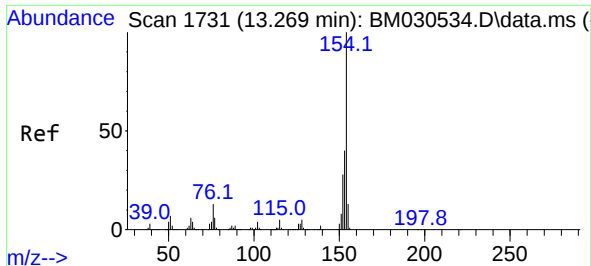
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#37
1-Methylnaphthalene
Concen: 1.948 ng/ul
RT: 12.475 min Scan# 1596
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

Tgt Ion:142 Resp: 49496
Ion Ratio Lower Upper
142 100
141 93.1 72.8 109.2
116 5.4 3.1 4.7#





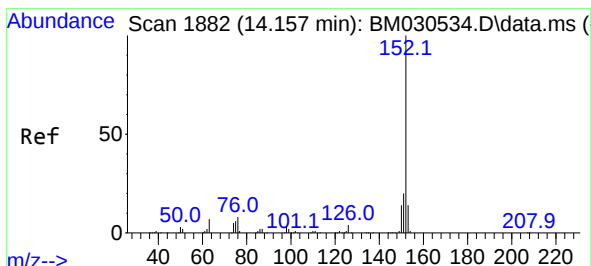
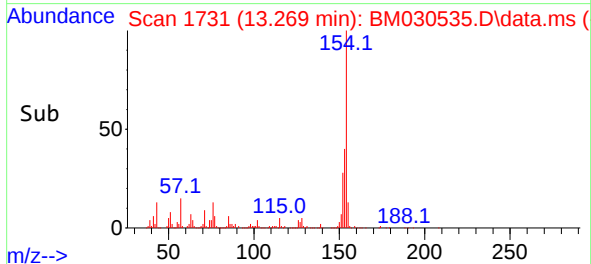
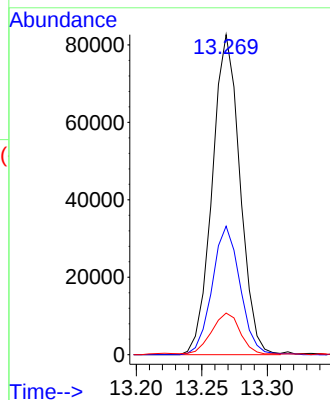
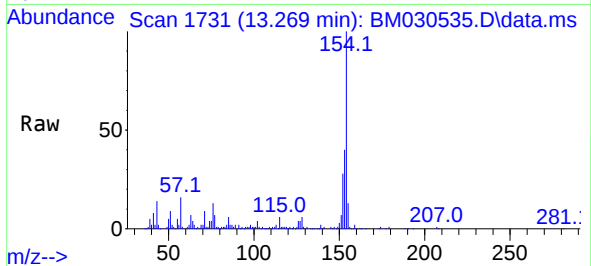
#43
1,1'-Biphenyl
Concen: 3.946 ng/ul
RT: 13.269 min Scan# 1731
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

Tgt Ion:	154	Resp:	121481
Ion Ratio	Lower	Upper	
154	100		
153	40.2	32.3	48.5
76	13.0	10.6	15.8

Instrument :
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ClientSampled :
BGDF4

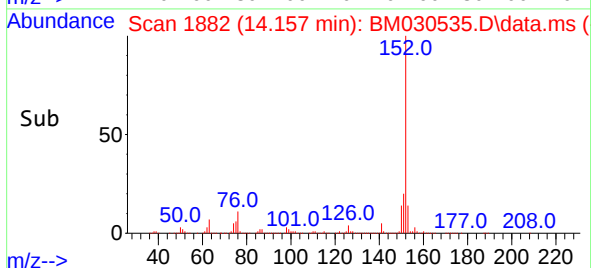
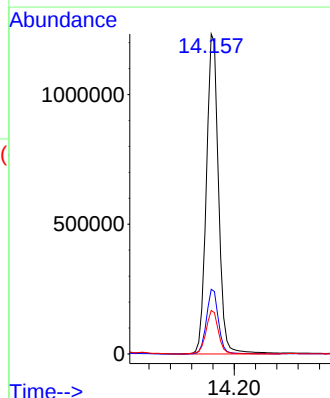
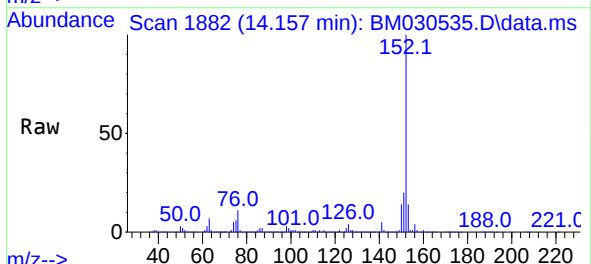
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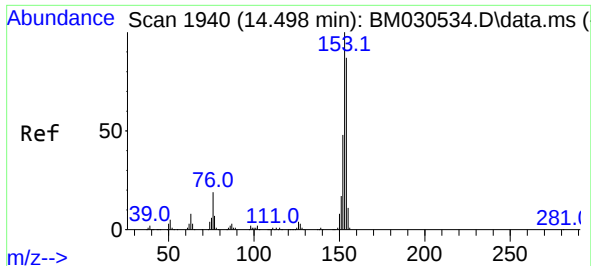
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#50
Acenaphthylene
Concen: 56.240 ng/ul
RT: 14.157 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

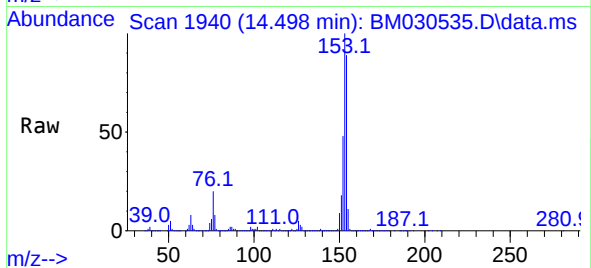
Tgt Ion:	152	Resp:	1950465
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.2	24.2
153	13.6	10.2	15.4





#52
Acenaphthene
Concen: 30.741 ng/ul
RT: 14.498 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

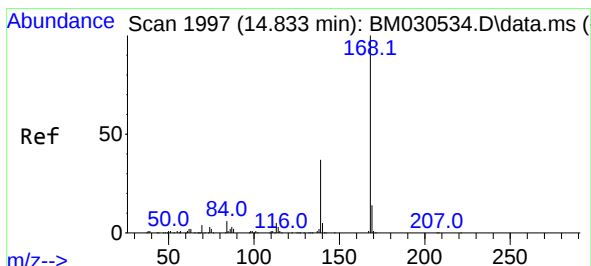
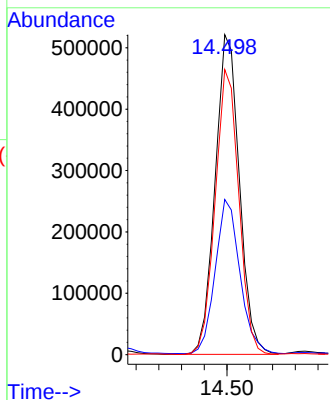
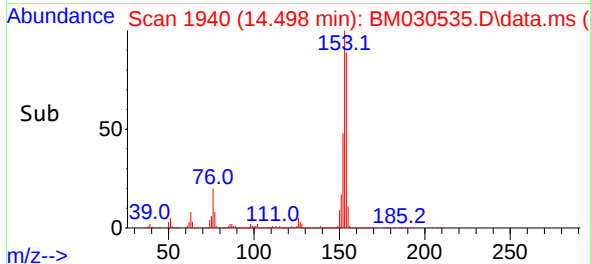
Instrument :
BNA_M
ClientSampled :
BGDF4



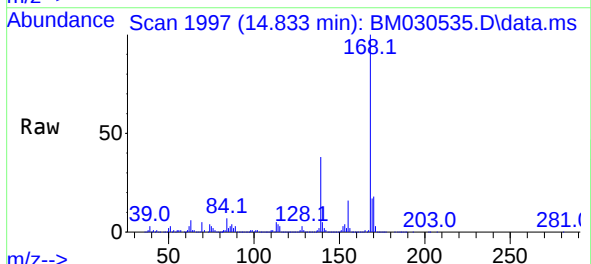
Tgt Ion:153 Resp: 773709
Ion Ratio Lower Upper
153 100
152 48.5 37.4 56.2
154 89.1 69.4 104.0

Manual Integrations
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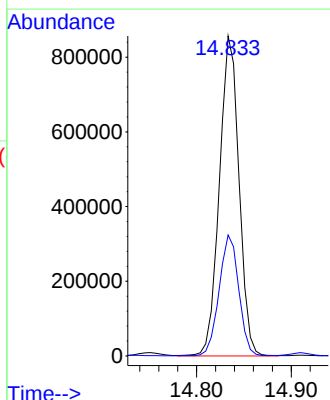
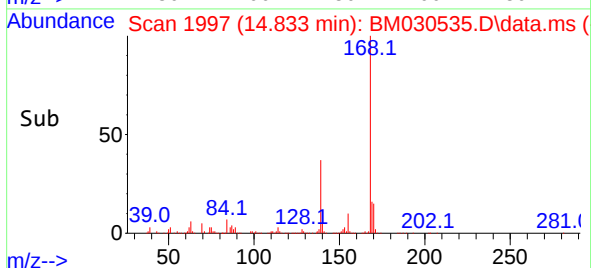
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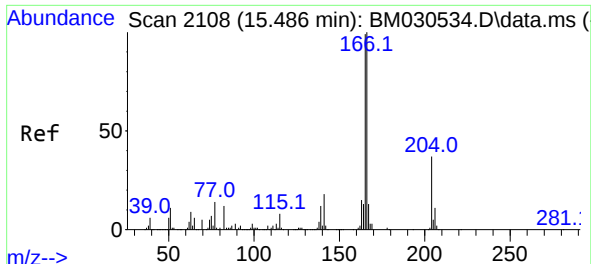


#56
Dibenzofuran
Concen: 35.169 ng/ul
RT: 14.833 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48



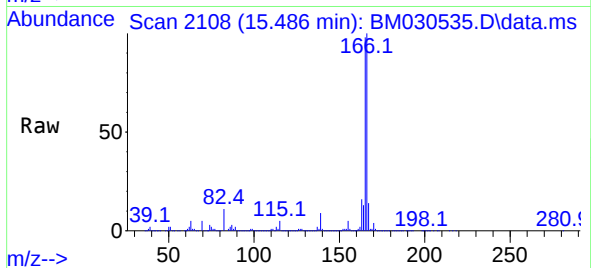
Tgt Ion:168 Resp: 1233986
Ion Ratio Lower Upper
168 100
139 37.8 29.5 44.3



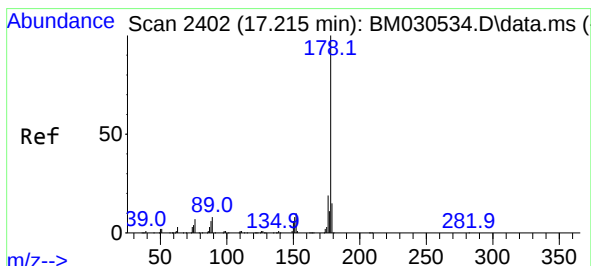
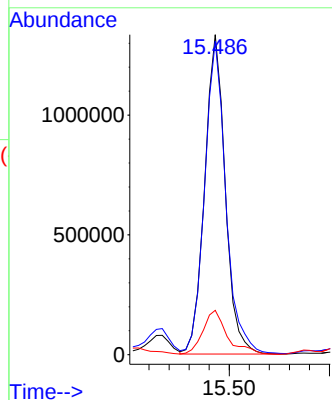
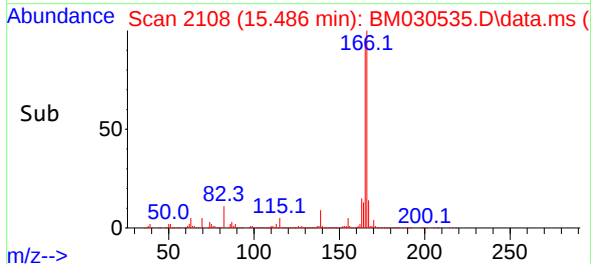


#61
Fluorene
Concen: 65.892 ng/ul
RT: 15.486 min Scan# 2108
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

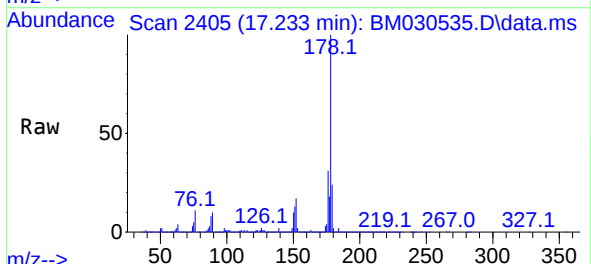
Instrument :
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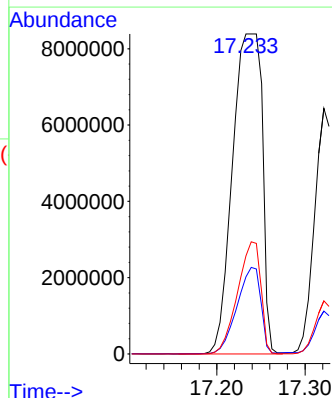
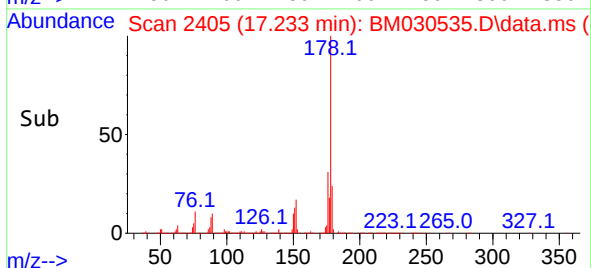
Tgt Ion:166 Resp: 1905371
Ion Ratio Lower Upper
166 100
165 98.0 78.4 117.6
167 13.8 10.6 15.8

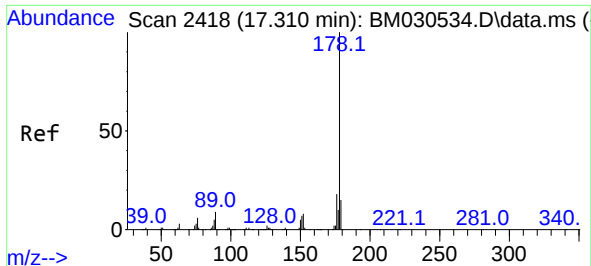


#72
Phenanthrene
Concen: 431.364 ng/ul m
RT: 17.233 min Scan# 2405
Delta R.T. 0.012 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48



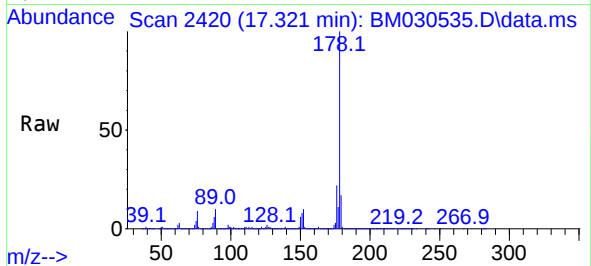
Tgt Ion:178 Resp:19565796
Ion Ratio Lower Upper
178 100
179 24.1 12.1 18.1#
176 30.6 15.2 22.8#





#74
 Anthracene
 Concen: 201.088 ng/u1
 RT: 17.321 min Scan# 2420
 Delta R.T. 0.006 min
 Lab File: BM030535.D
 Acq: 23 Jun 2021 03:48

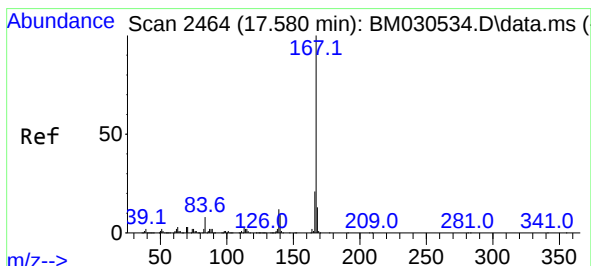
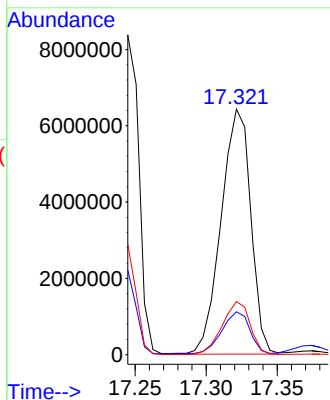
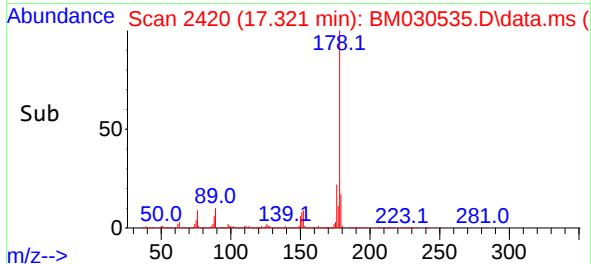
Instrument :
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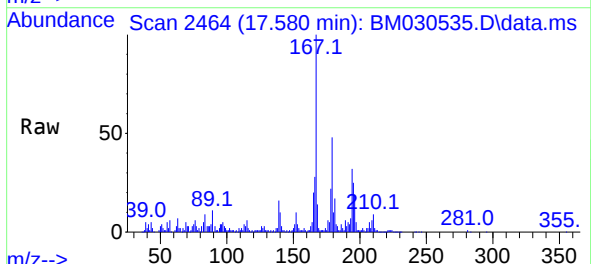
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 Ion Ratio Lower Upper
 178 100
 179 17.5 12.1 18.1
 176 21.6 15.2 22.8

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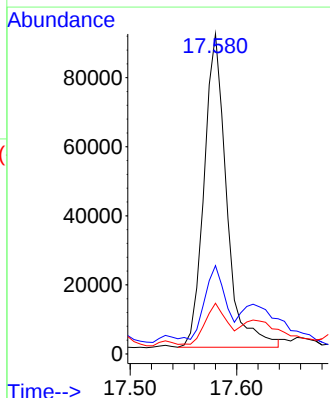
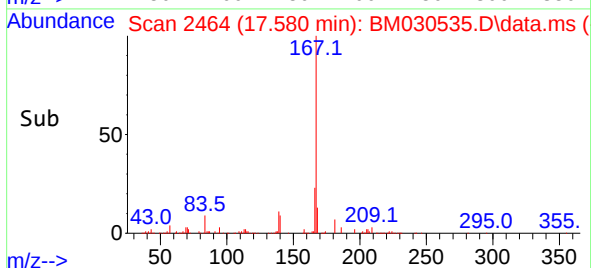
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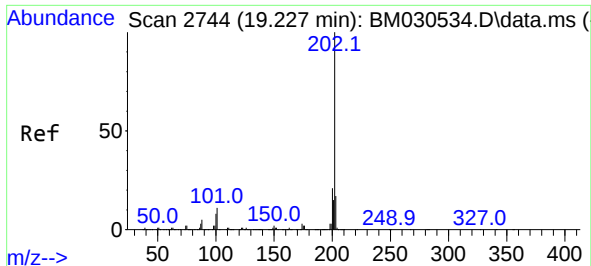


#77
 Carbazole
 Concen: 3.214 ng/u1
 RT: 17.580 min Scan# 2464
 Delta R.T. -0.006 min
 Lab File: BM030535.D
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Tgt Ion:167 Resp: 133668
 Ion Ratio Lower Upper
 167 100
 166 27.6 17.0 25.6#
 139 15.9 9.9 14.9#





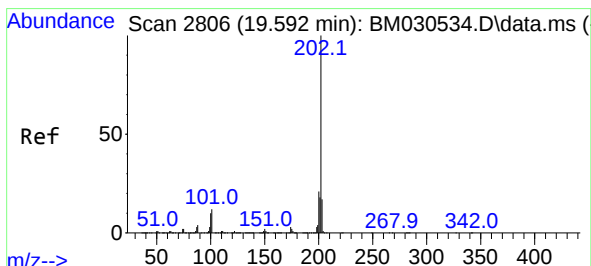
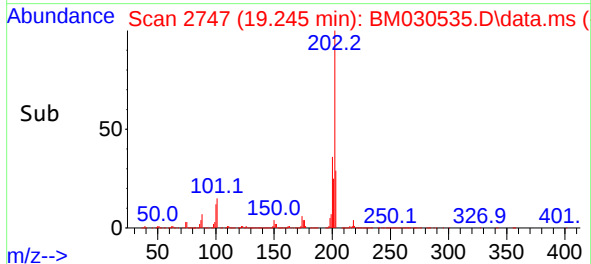
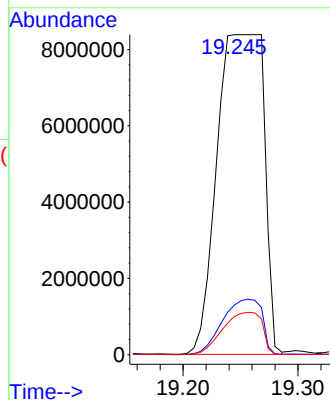
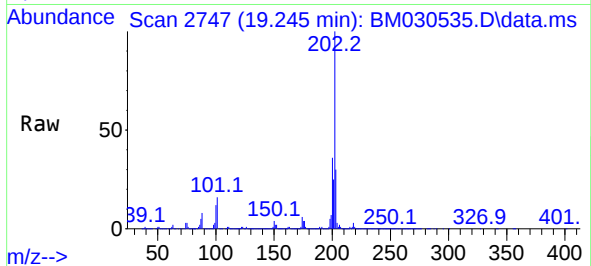
#80
Fluoranthene
Concen: 347.369 ng/ul m
RT: 19.245 min Scan# 2747
Delta R.T. 0.012 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

Tgt Ion:202 Resp:23783342
Ion Ratio Lower Upper
202 100
101 15.5 8.8 13.2#
100 12.0 6.8 10.2#

Instrument :
BNA_M
ClientSampled :
BGDF4

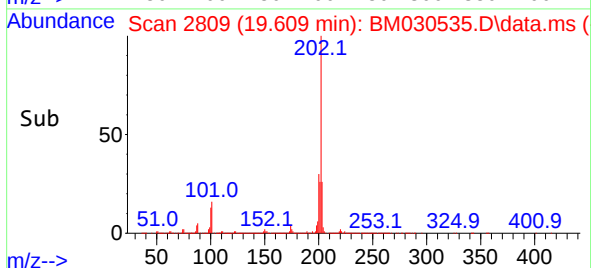
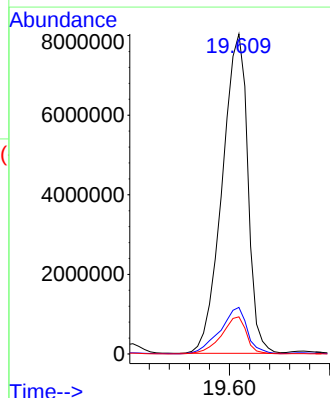
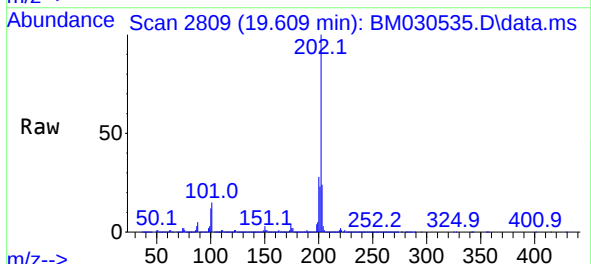
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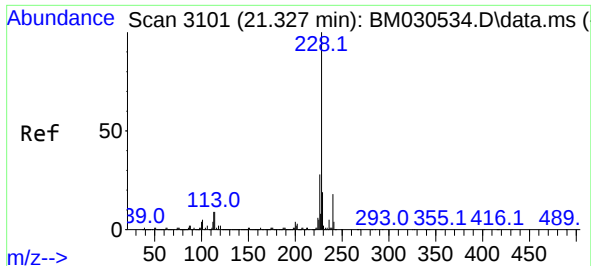
mohammad
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#82
Pyrene
Concen: 197.808 ng/ul
RT: 19.609 min Scan# 2809
Delta R.T. 0.012 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

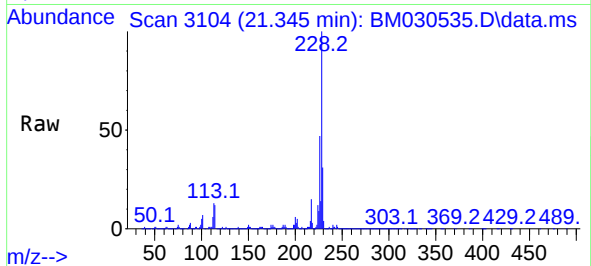
Tgt Ion:202 Resp:14230653
Ion Ratio Lower Upper
202 100
101 14.5 10.0 15.0
100 11.6 8.5 12.7





#85
Benzo(a)anthracene
Concen: 252.602 ng/u1
RT: 21.345 min Scan# 3104
Delta R.T. 0.012 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

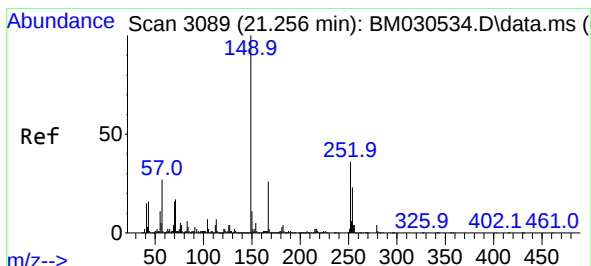
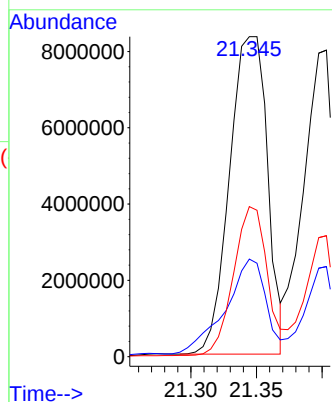
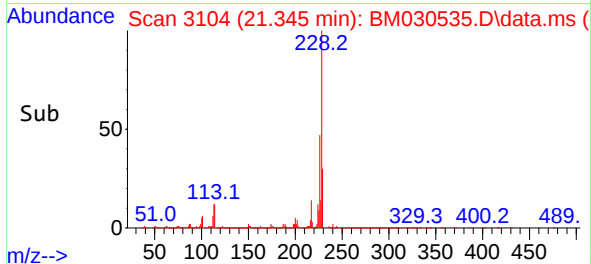
Instrument :
BNA_M
ClientSampled :
BGDF4



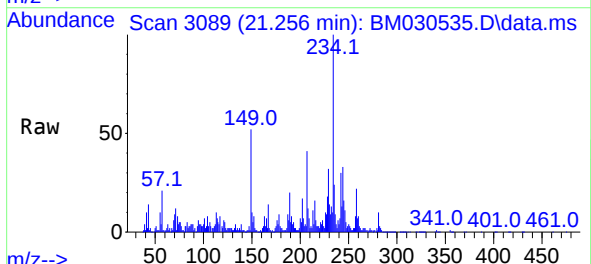
Tgt Ion:228 Resp:16771814
Ion Ratio Lower Upper
228 100
229 30.5 16.0 24.0#
226 46.9 22.2 33.2#

Manual Integrations
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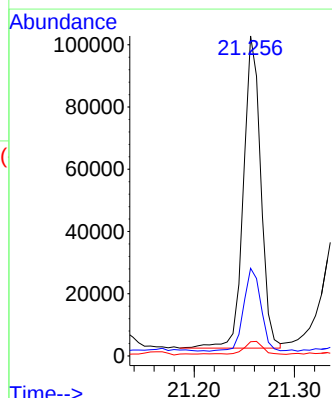
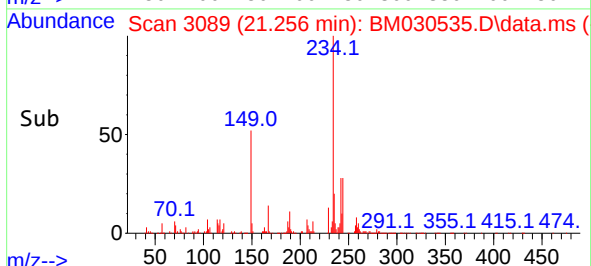
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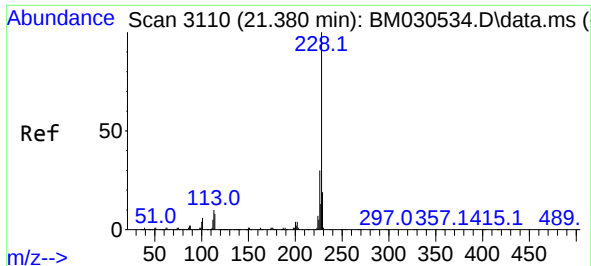


#86
Bis(2-ethylhexyl)phthalate
Concen: 3.531 ng/u1
RT: 21.256 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48



Tgt Ion:149 Resp: 120283
Ion Ratio Lower Upper
149 100
167 27.4 20.7 31.1
279 4.5 3.0 4.4#





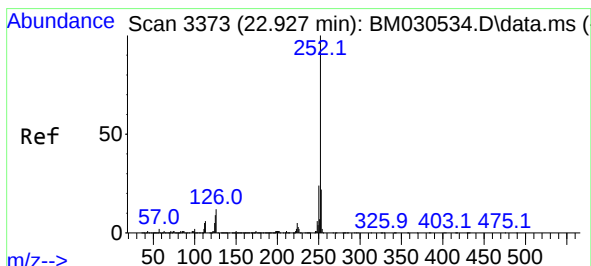
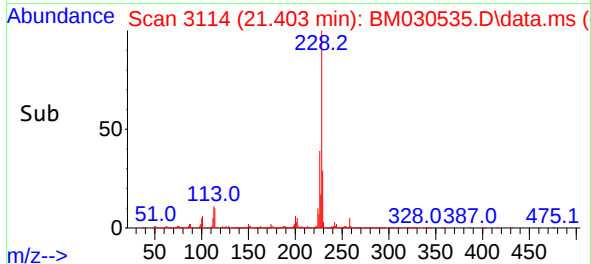
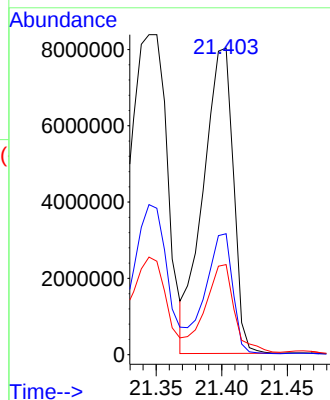
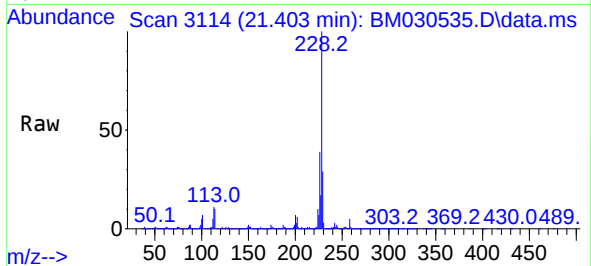
#87
Chrysene
Concen: 198.820 ng/ul
RT: 21.403 min Scan# 3114
Delta R.T. 0.018 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

Tgt Ion:228 Resp:12869005
Ion Ratio Lower Upper
228 100
226 39.5 23.6 35.4#
229 29.4 15.9 23.9#

Instrument :
BNA_M
ClientSampled :
BGDF4

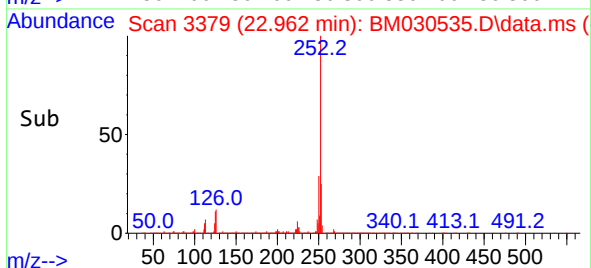
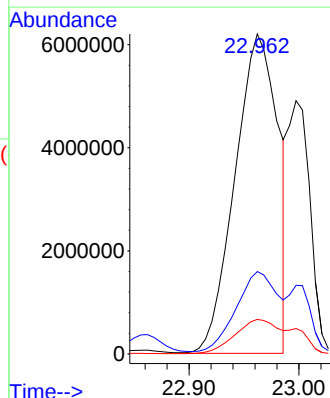
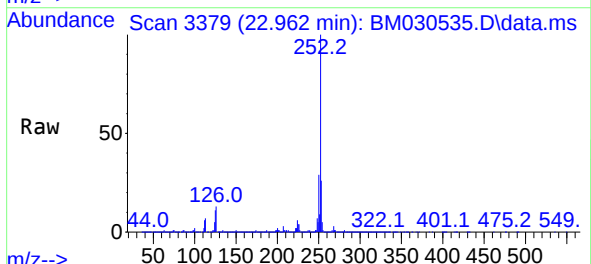
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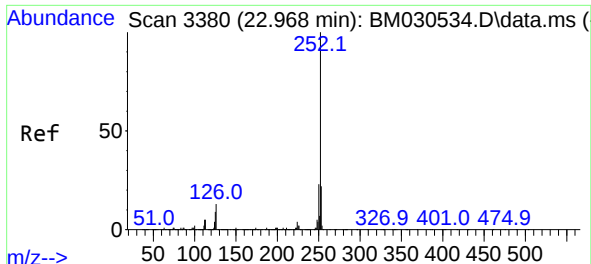
mohammad
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#90
Benzo(b)fluoranthene
Concen: 244.223 ng/ul m
RT: 22.962 min Scan# 3379
Delta R.T. 0.023 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

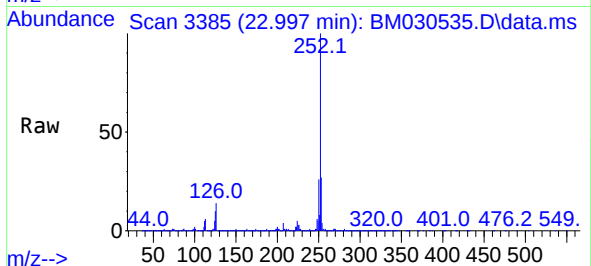
Tgt Ion:252 Resp:16824199
Ion Ratio Lower Upper
252 100
253 25.8 17.8 26.6
125 10.8 7.7 11.5





#91
Benzo(k)fluoranthene
Concen: 101.762 ng/ul m
RT: 22.997 min Scan# 3385
Delta R.T. 0.012 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

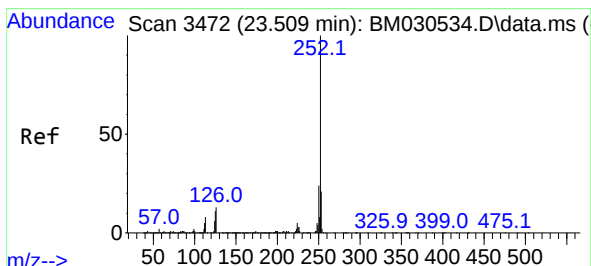
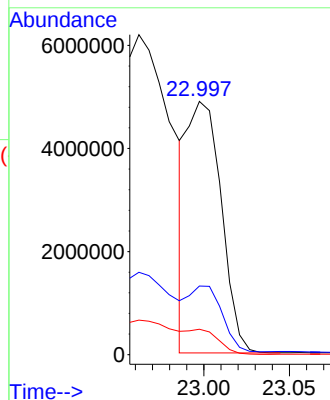
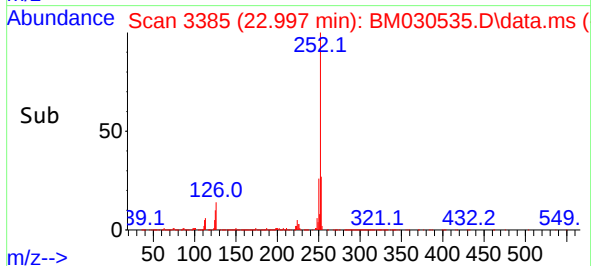
Instrument :
BNA_M
ClientSampled :
BGDF4



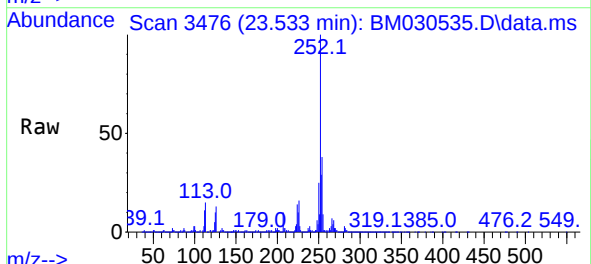
Tgt Ion:252 Resp: 6737078
Ion Ratio Lower Upper
252 100
253 27.1 17.4 26.2#
125 10.0 7.9 11.9

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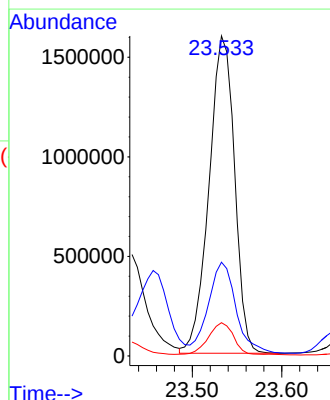
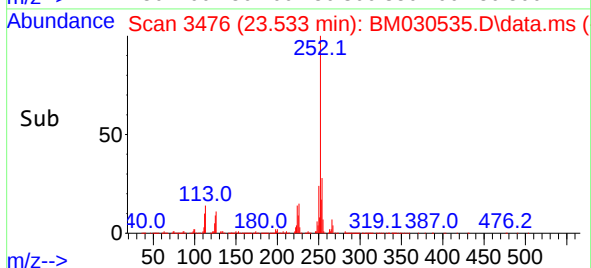
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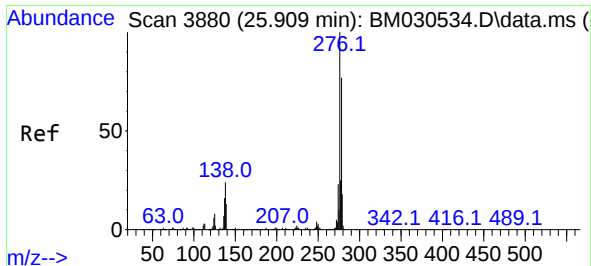


#93
Benzo(a)pyrene
Concen: 51.112 ng/ul m
RT: 23.533 min Scan# 3476
Delta R.T. 0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48



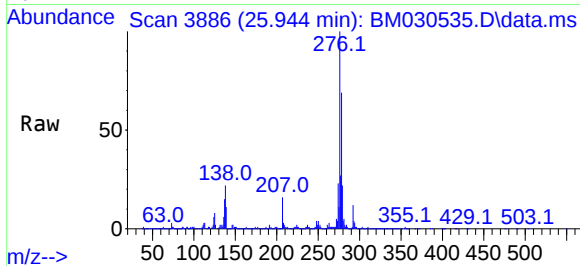
Tgt Ion:252 Resp: 3166019
Ion Ratio Lower Upper
252 100
253 29.3 17.5 26.3#
125 10.4 8.6 13.0





#94
Indeno(1,2,3-cd)pyrene
Concen: 39.658 ng/ul m
RT: 25.944 min Scan# 3886
Delta R.T. 0.012 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48

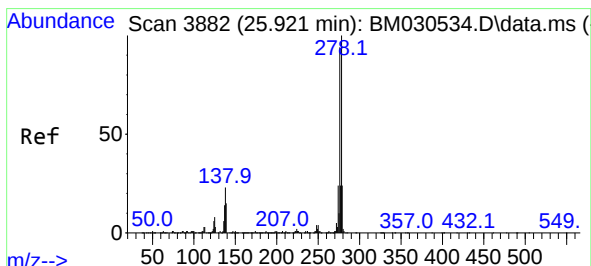
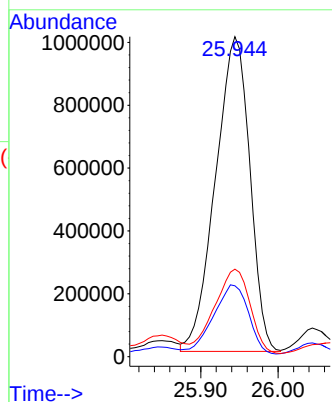
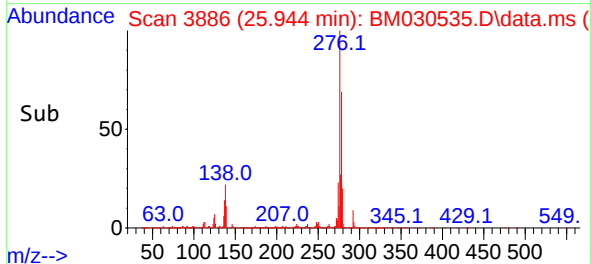
Instrument :
BNA_M
ClientSampled :
BGDF4



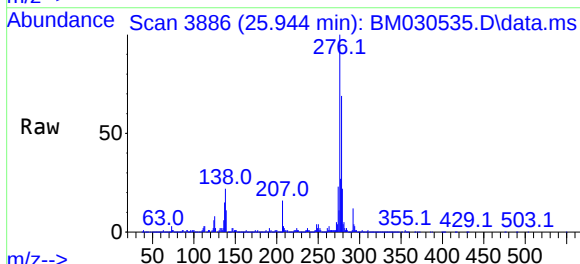
Tgt Ion:276 Resp: 3092562
Ion Ratio Lower Upper
276 100
138 22.1 19.5 29.3
277 27.4 19.6 29.4

Manual Integrations
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#95
Dibenzo(a,h)anthracene
Concen: 34.076 ng/ul m
RT: 25.944 min Scan# 3886
Delta R.T. 0.006 min
Lab File: BM030535.D
Acq: 23 Jun 2021 03:48



Tgt Ion:278 Resp: 2202826
Ion Ratio Lower Upper
278 100
139 15.9 12.8 19.2
279 31.2 19.1 28.7#

