

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
 Data File : BM035800.D
 Acq On : 13 Jul 2022 18:48
 Operator : CG/JU
 Sample : N3687-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 ETGI-361

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 07/14/2022
 Supervised By : Jagrut Upadhyay 07/14/2022

Quant Time: Jul 14 01:48:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 14 01:21:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.910	152	300711	20.000	ng	0.00
21) Naphthalene-d8	10.716	136	1178786	20.000	ng	# 0.00
39) Acenaphthene-d10	14.545	164	639431	20.000	ng	0.00
64) Phenanthrene-d10	17.280	188	1208174	20.000	ng	0.00
76) Chrysene-d12	21.456	240	1158325	20.000	ng	0.00
86) Perylene-d12	23.838	264	1212873	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.469	112	1748832	94.463	ng	0.00
7) Phenol-d6	7.075	99	2111346	91.173	ng	0.00
23) Nitrobenzene-d5	9.075	82	1302590	63.172	ng	0.00
42) 2,4,6-Tribromophenol	16.027	330	588810	90.677	ng	0.00
45) 2-Fluorobiphenyl	13.174	172	2017447	44.001	ng	0.00
79) Terphenyl-d14	19.903	244	2348934	39.365	ng	0.00
Target Compounds						Qvalue
38) 1-Methylnaphthalene	12.592	142	194358	5.095	ng	# 99
52) Acenaphthene	14.610	154	93917	2.738	ng	98
58) Fluorene	15.586	166	166511	3.784	ng	# 92
71) Phenanthrene	17.327	178	1480632	23.328	ng	99
72) Anthracene	17.415	178	320178	5.244	ng	96
73) Carbazole	17.680	167	143173	2.331	ng	# 83
75) Fluoranthene	19.339	202	1685156	23.741	ng	98
78) Pyrene	19.697	202	1363476	18.744	ng	99
81) Benzo(a)anthracene	21.439	228	803146	11.053	ng	98
83) Chrysene	21.491	228	727514	10.370	ng	96
84) Bis(2-ethylhexyl)phtha...	21.386	149	58955	4.652	ng	# 86
87) Indeno(1,2,3-cd)pyrene	26.326	276	396185	4.486	ng	97
88) Benzo(b)fluoranthene	23.115	252	872920	11.916	ng	# 90
89) Benzo(k)fluoranthene	23.156	252	314446m	4.104	ng	
90) Benzo(a)pyrene	23.733	252	601994	9.822	ng	# 90
92) Benzo(g,h,i)perylene	27.091	276	370530	5.125	ng	92

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

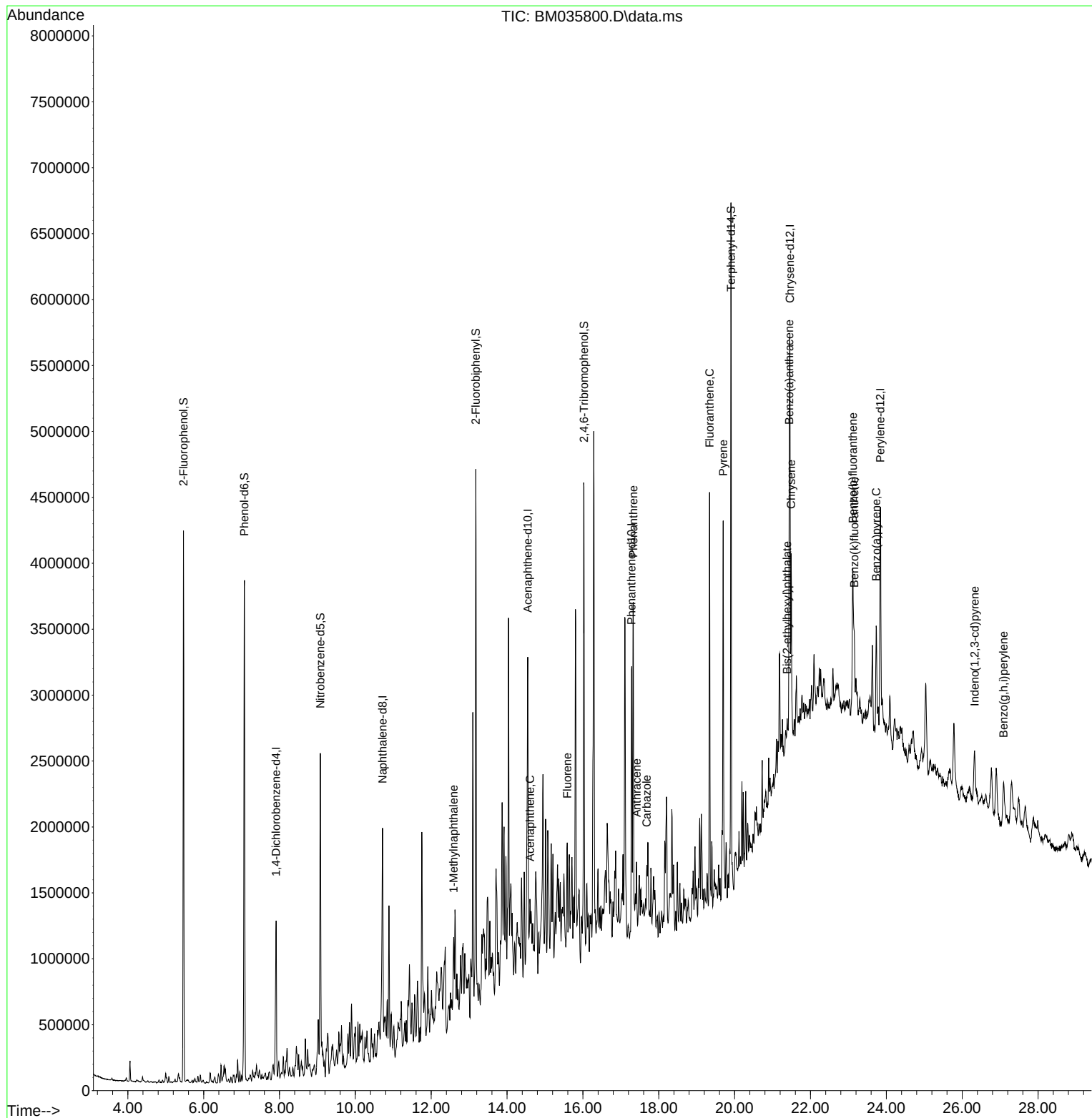
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM071322\
Data File : BM035800.D
Acq On : 13 Jul 2022 18:48
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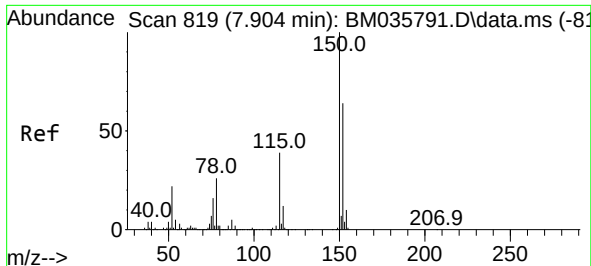
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM071322.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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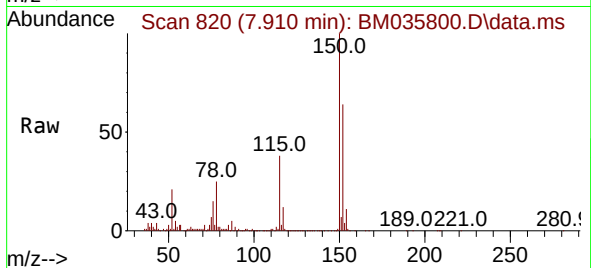
Reviewed By : Christian Giraldo 07/14/2022
Supervised By : Jagrut Upadhyay 07/14/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.910 min Scan# 819
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

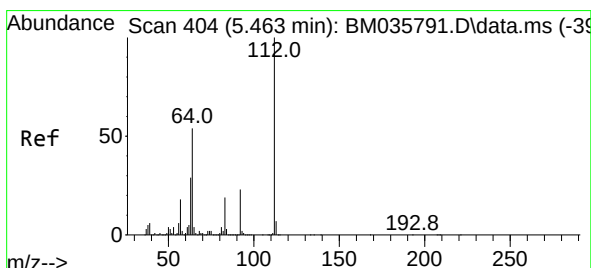
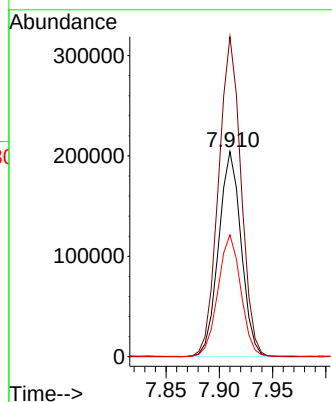
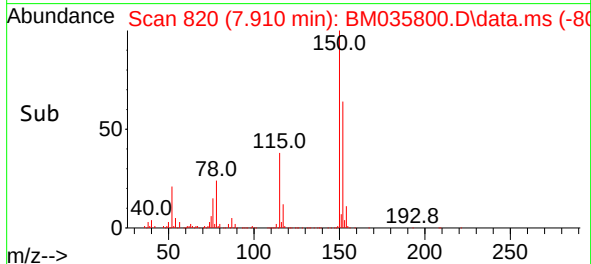
Instrument :
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ETGI-361



Tgt Ion:152 Resp: 300711
Ion Ratio Lower Upper
152 100
150 156.0 124.9 187.3
115 59.5 47.9 71.9

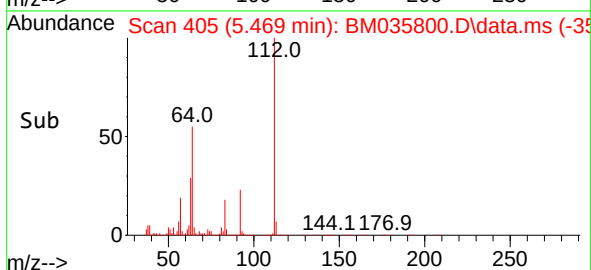
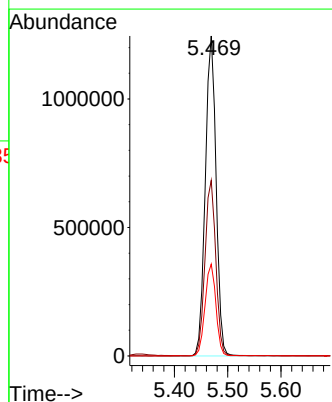
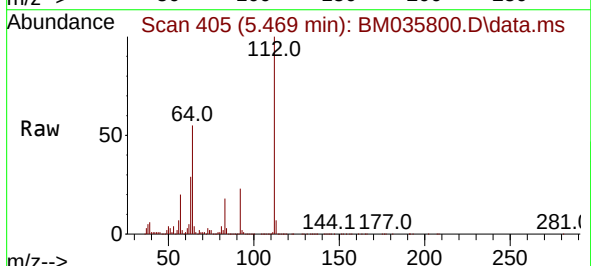
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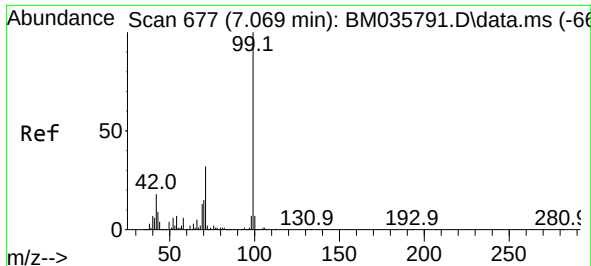
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#5
2-Fluorophenol
Concen: 94.463 ng
RT: 5.469 min Scan# 405
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

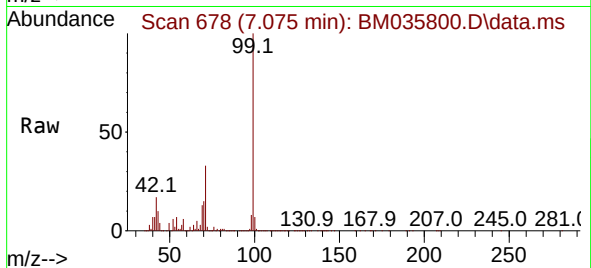
Tgt Ion:112 Resp: 1748832
Ion Ratio Lower Upper
112 100
64 54.9 47.8 71.6
63 28.7 26.6 40.0





#7
Phenol-d6
Concen: 91.173 ng
RT: 7.075 min Scan# 61
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

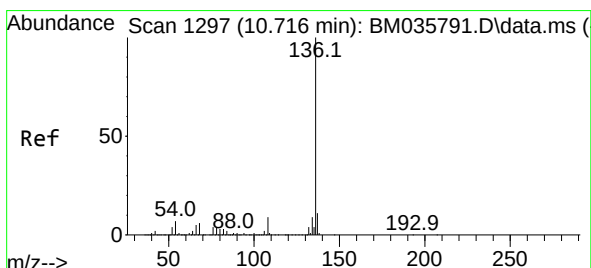
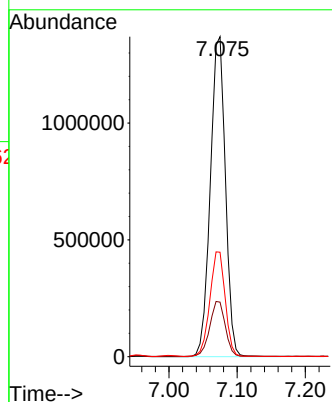
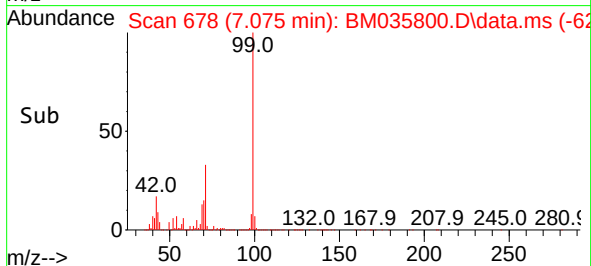
Instrument :
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Tgt Ion: 99 Resp: 2111340
Ion Ratio Lower Upper
99 100
42 17.1 18.8 28.2
71 32.7 30.2 45.2

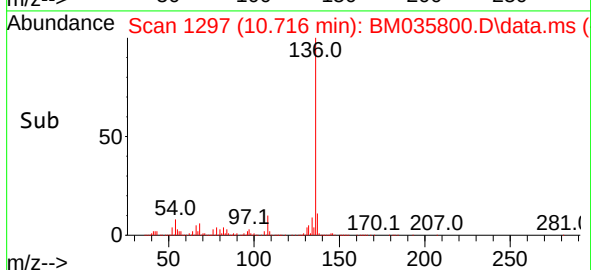
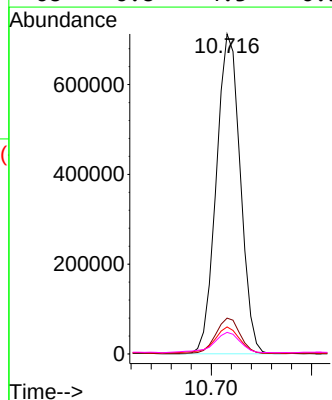
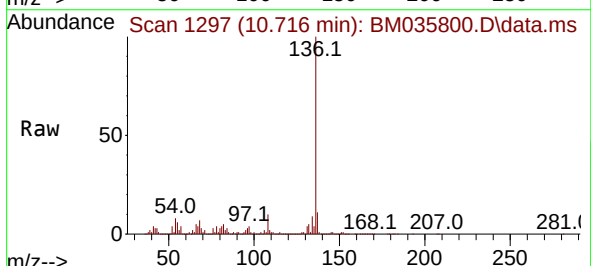
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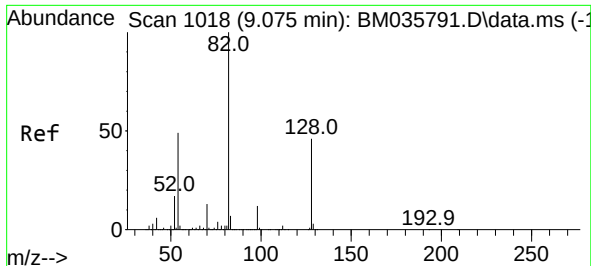
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.716 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

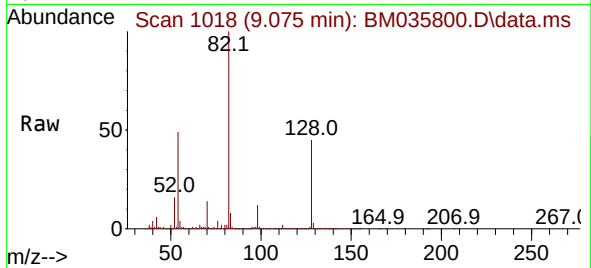
Tgt Ion:136 Resp: 1178786
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.4 7.0 10.4
68 6.8 4.3 6.5





#23
Nitrobenzene-d5
Concen: 63.172 ng
RT: 9.075 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

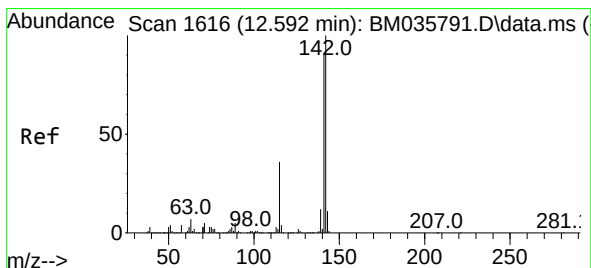
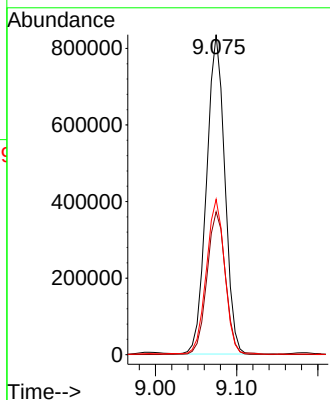
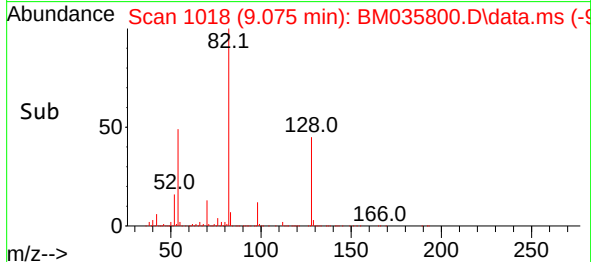
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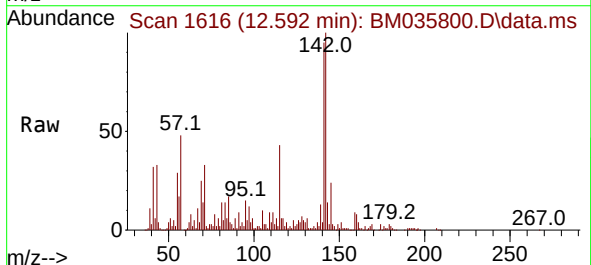
Tgt Ion: 82 Resp: 1302590
Ion Ratio Lower Upper
82 100
128 44.6 33.7 50.5
54 48.5 43.2 64.8

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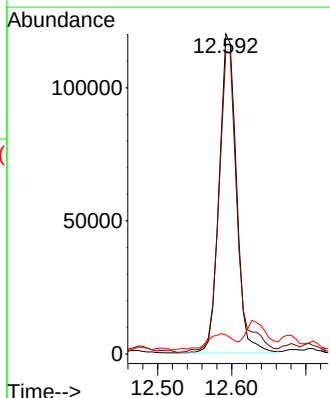
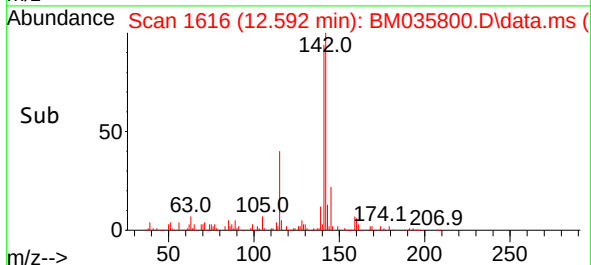
Reviewed By :Christian Giraldo 07/14/2022
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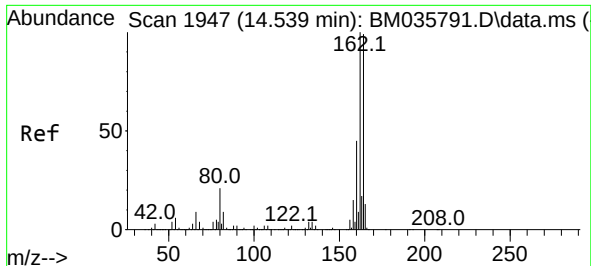


#38
1-Methylnaphthalene
Concen: 5.095 ng
RT: 12.592 min Scan# 1616
Delta R.T. -0.000 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48



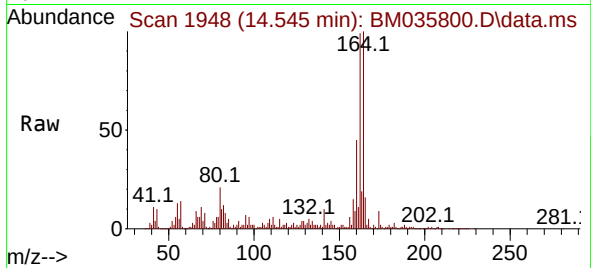
Tgt Ion:142 Resp: 194358
Ion Ratio Lower Upper
142 100
141 94.6 75.0 112.4
116 5.9 3.4 5.2#





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.545 min Scan# 1947
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

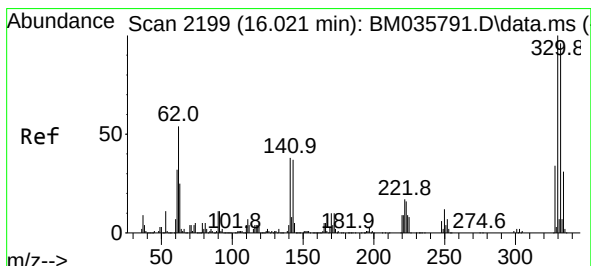
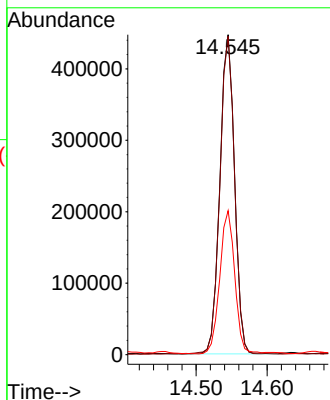
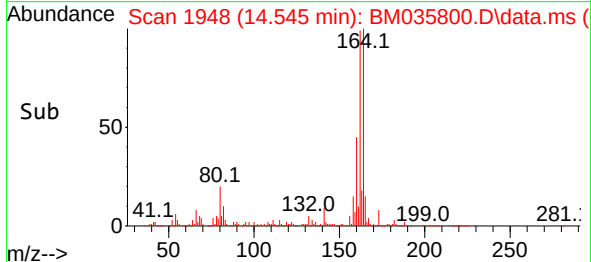
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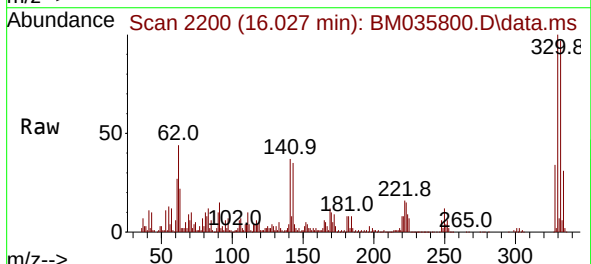
Tgt Ion:164 Resp: 63943
Ion Ratio Lower Upper
164 100
162 99.5 83.0 124.6
160 45.0 37.0 55.4

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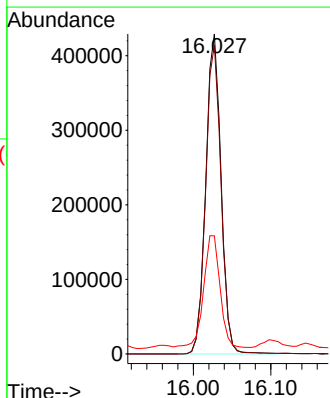
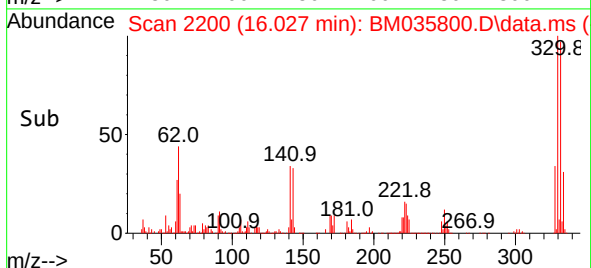
Reviewed By :Christian Giraldo 07/14/2022
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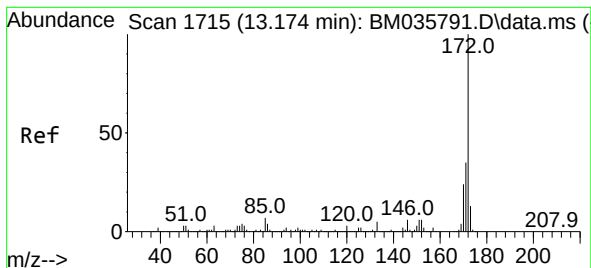


#42
2,4,6-Tribromophenol
Concen: 90.677 ng
RT: 16.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48



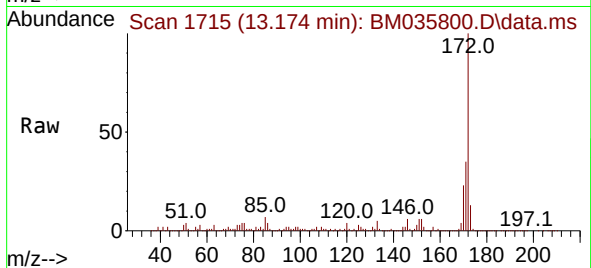
Tgt Ion:330 Resp: 588810
Ion Ratio Lower Upper
330 100
332 97.1 77.0 115.4
141 37.3 35.3 52.9





#45
2-Fluorobiphenyl
Concen: 44.001 ng
RT: 13.174 min Scan# 1715
Delta R.T. -0.000 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

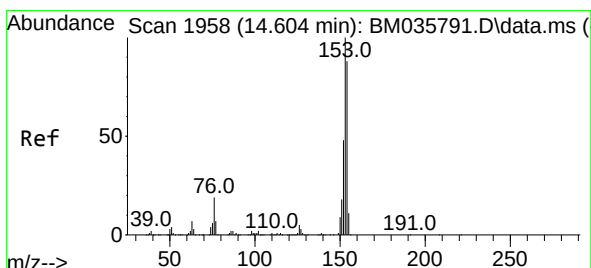
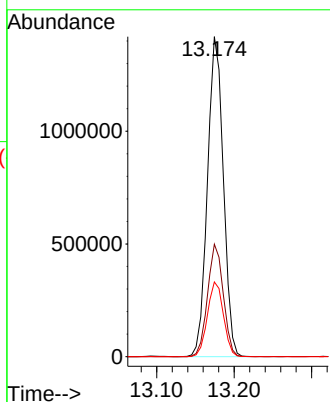
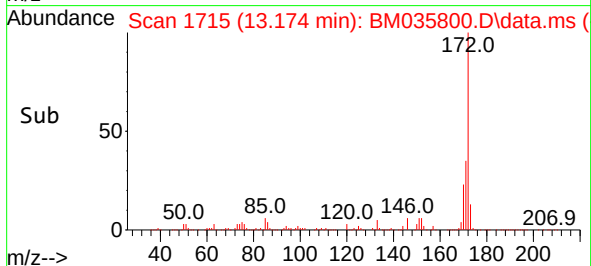
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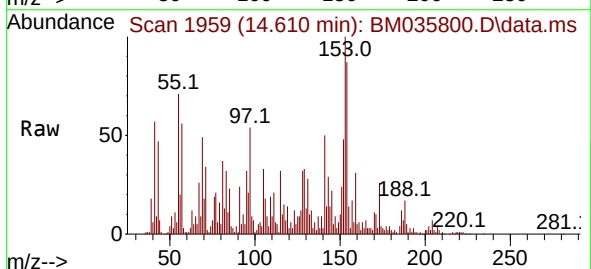
Tgt Ion:172 Resp: 201744
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.3 18.7 28.1

Manual Integrations
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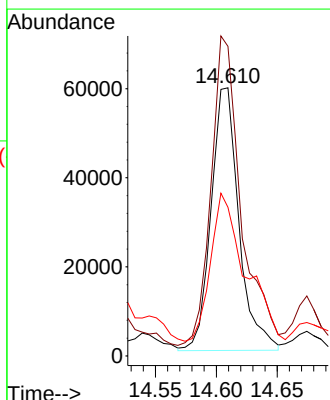
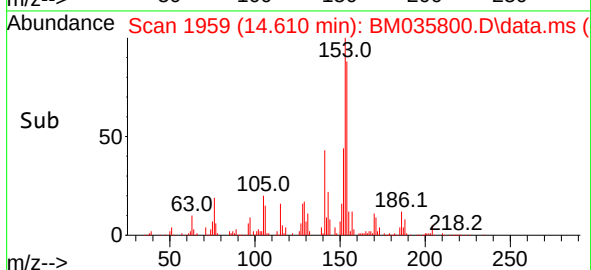
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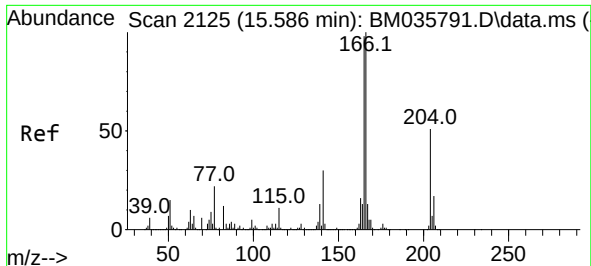


#52
Acenaphthene
Concen: 2.738 ng
RT: 14.610 min Scan# 1959
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48



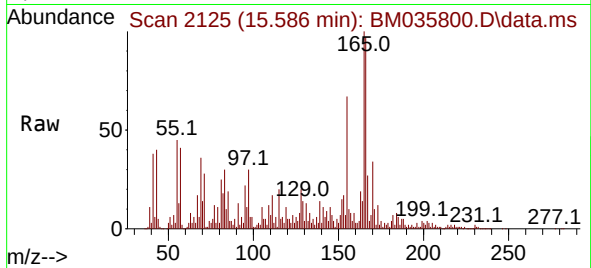
Tgt Ion:154 Resp: 93917
Ion Ratio Lower Upper
154 100
153 115.5 91.0 136.6
152 55.5 43.4 65.2





#58
Fluorene
Concen: 3.784 ng
RT: 15.586 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

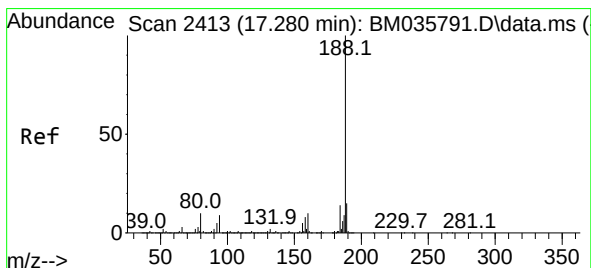
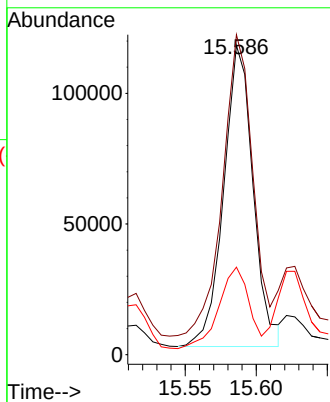
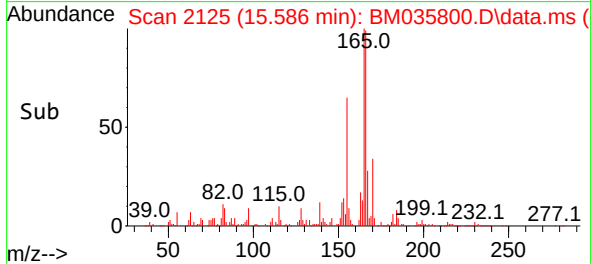
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Tgt Ion:166 Resp: 16651
Ion Ratio Lower Upper
166 100
165 103.5 79.4 119.2
167 28.3 10.6 16.0

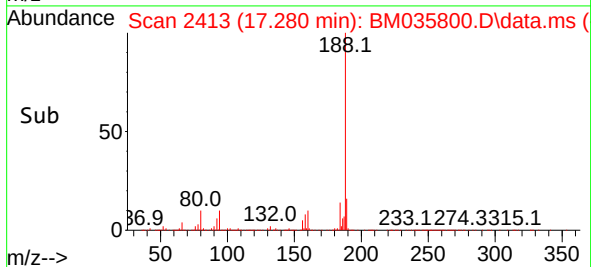
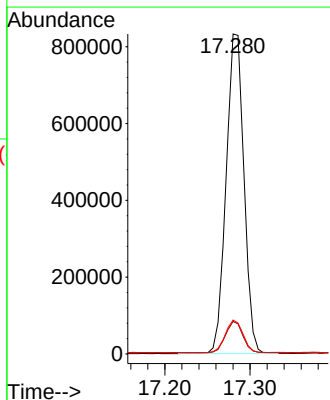
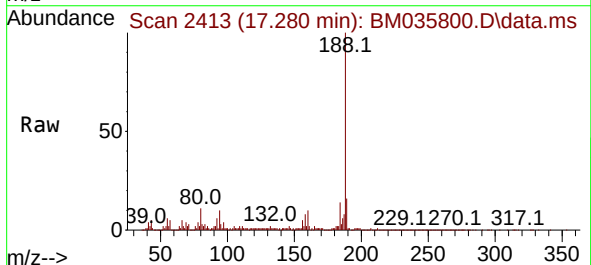
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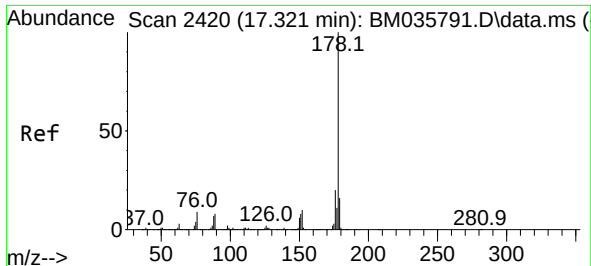
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.280 min Scan# 2413
Delta R.T. 0.000 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

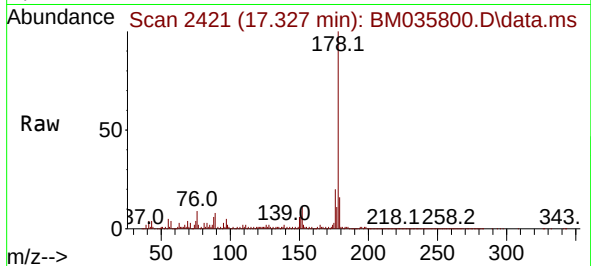
Tgt Ion:188 Resp: 1208174
Ion Ratio Lower Upper
188 100
94 10.1 7.0 10.4
80 10.6 7.6 11.4





#71
Phenanthrene
Concen: 23.328 ng
RT: 17.327 min Scan# 2420
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

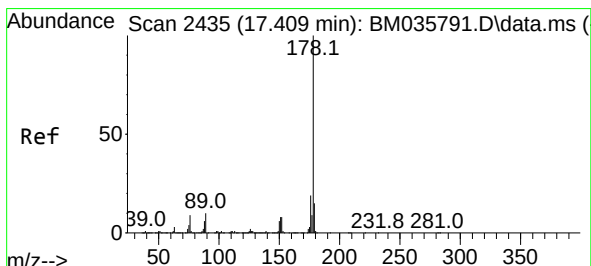
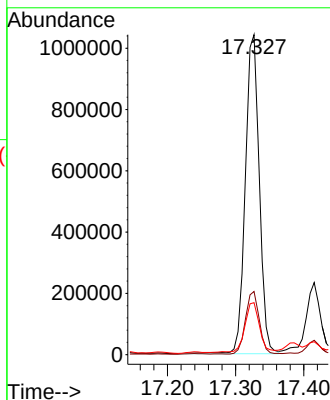
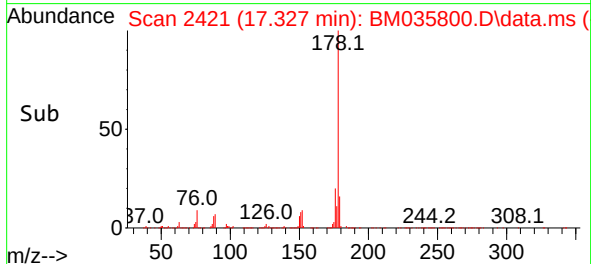
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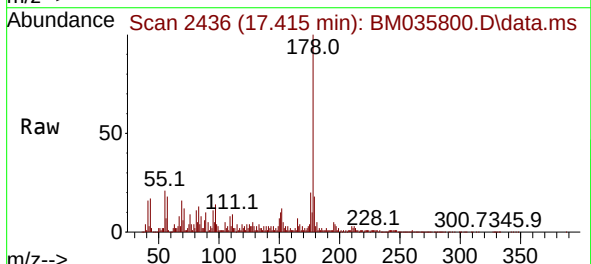
Tgt Ion:178 Resp: 148063
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 16.3 12.4 18.6

Manual Integrations
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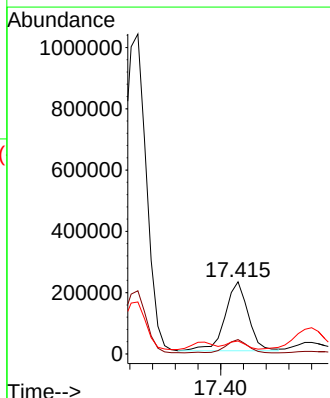
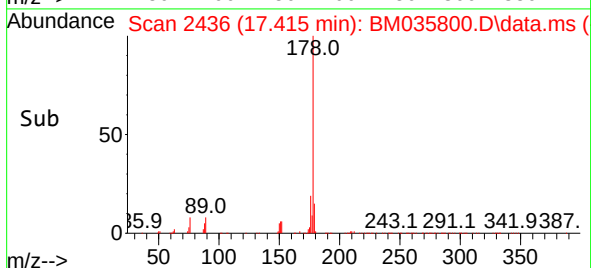
Reviewed By :Christian Giraldo 07/14/2022
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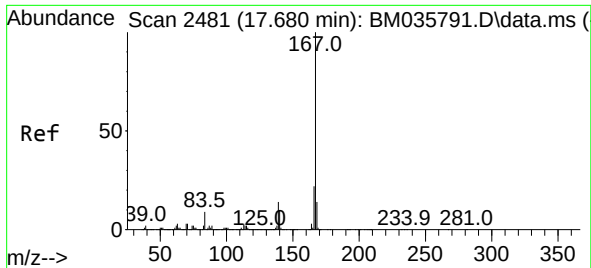


#72
Anthracene
Concen: 5.244 ng
RT: 17.415 min Scan# 2436
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48



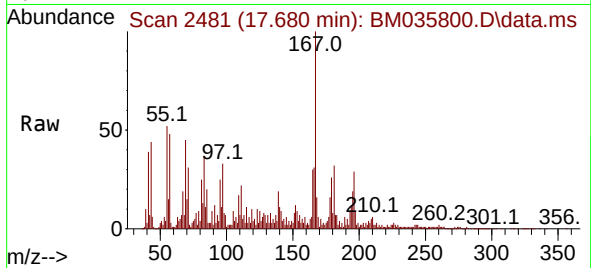
Tgt Ion:178 Resp: 320178
Ion Ratio Lower Upper
178 100
176 19.9 15.0 22.4
179 18.0 12.2 18.2





#73
 Carbazole
 Concen: 2.331 ng
 RT: 17.680 min Scan# 2481
 Delta R.T. -0.000 min
 Lab File: BM035800.D
 Acq: 13 Jul 2022 18:48

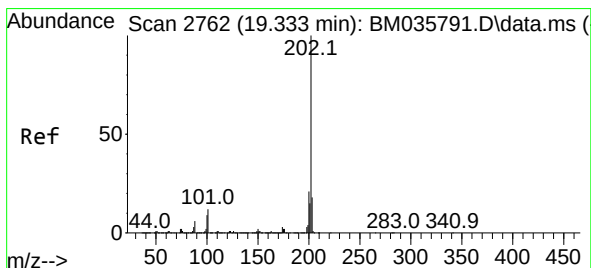
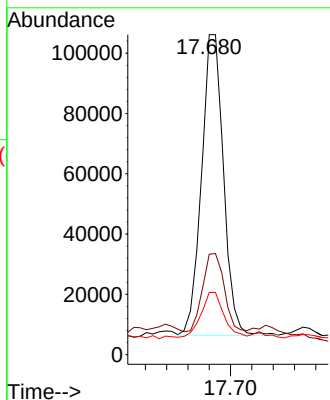
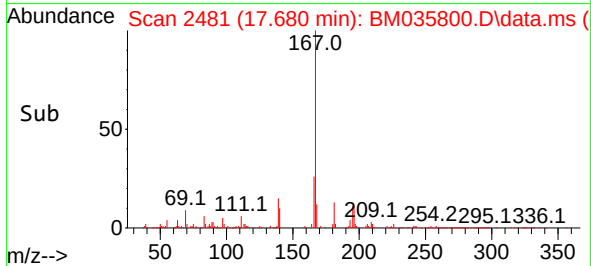
Instrument :
 BNA_M
 ClientSampleId :
 ETGI-361



Tgt Ion:167 Resp: 14317
 Ion Ratio Lower Upper
 167 100
 166 31.4 17.8 26.8
 139 19.5 10.9 16.3

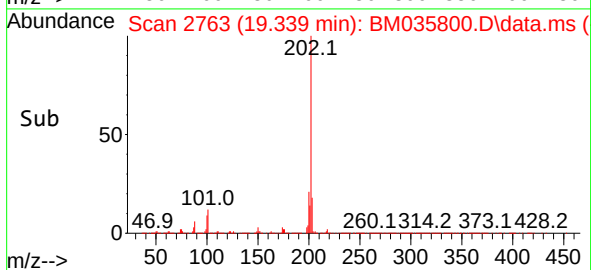
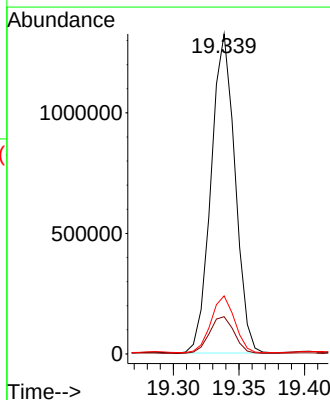
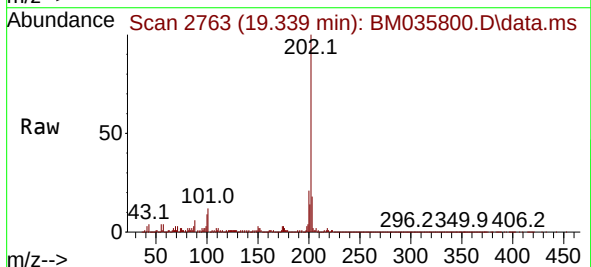
Manual Integrations
 APPROVED

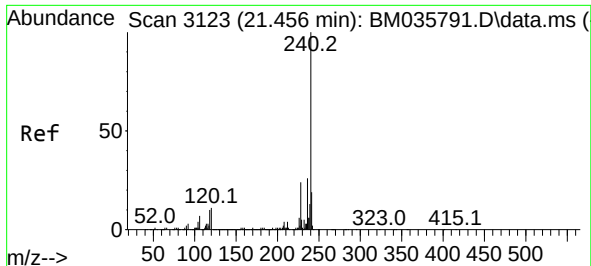
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022



#75
 Fluoranthene
 Concen: 23.741 ng
 RT: 19.339 min Scan# 2763
 Delta R.T. 0.006 min
 Lab File: BM035800.D
 Acq: 13 Jul 2022 18:48

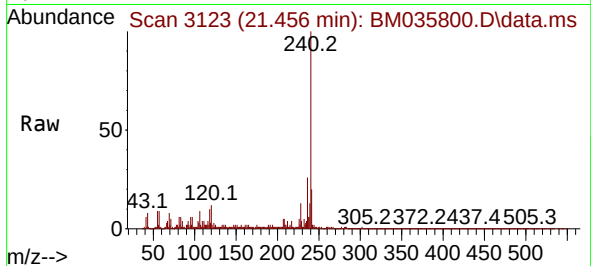
Tgt Ion:202 Resp: 1685156
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 30.6
 203 18.2 0.0 37.4





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.456 min Scan# 3123
Delta R.T. 0.000 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

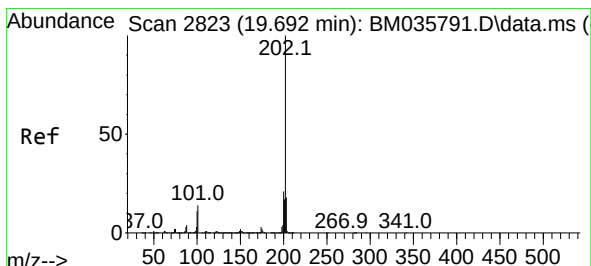
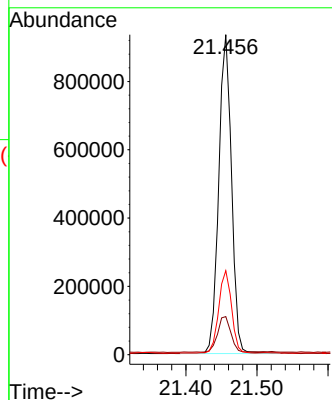
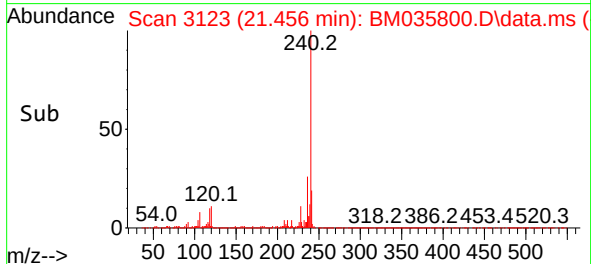
Instrument :
BNA_M
ClientSampleId :
ETGI-361



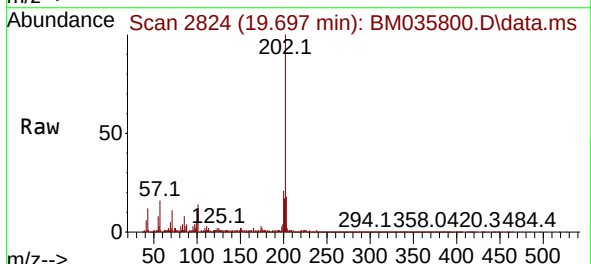
Tgt Ion:240 Resp: 1158329
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.0
236 26.2 20.6 30.8

Manual Integrations
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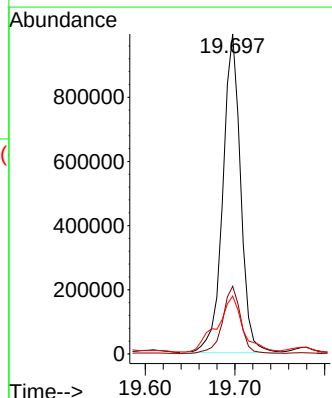
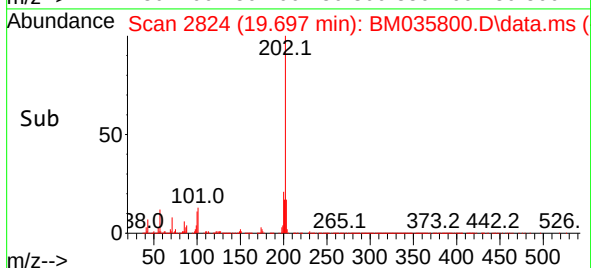
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

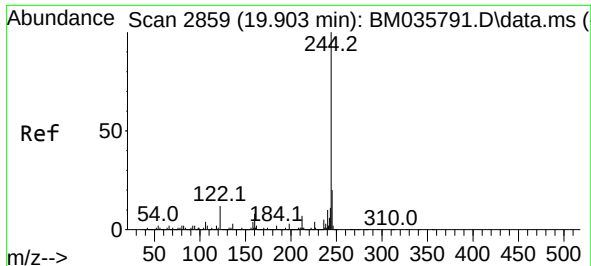


#78
Pyrene
Concen: 18.744 ng
RT: 19.697 min Scan# 2824
Delta R.T. 0.005 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48



Tgt Ion:202 Resp: 1363476
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 18.1 13.9 20.9





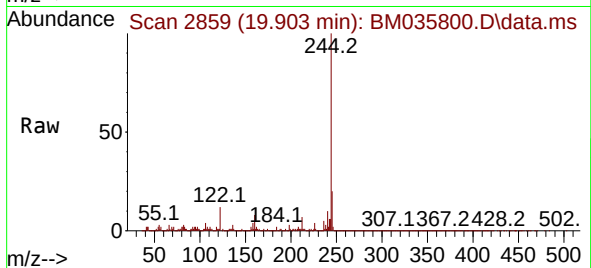
#79
 Terphenyl-d14
 Concen: 39.365 ng
 RT: 19.903 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BM035800.D
 Acq: 13 Jul 2022 18:48

Instrument :

BNA_M

ClientSampleId :

ETGI-361

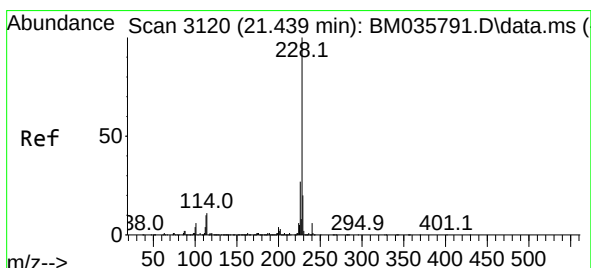
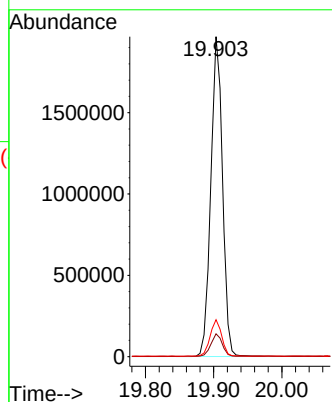
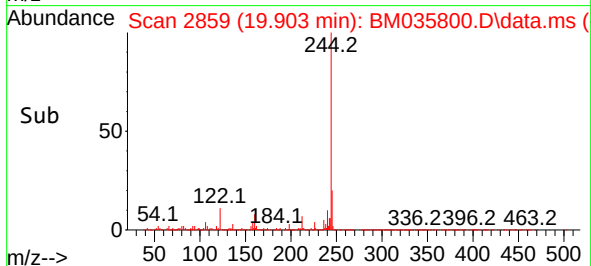


Tgt Ion:244 Resp: 2348934
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.2 9.4
 122 11.6 8.3 12.5

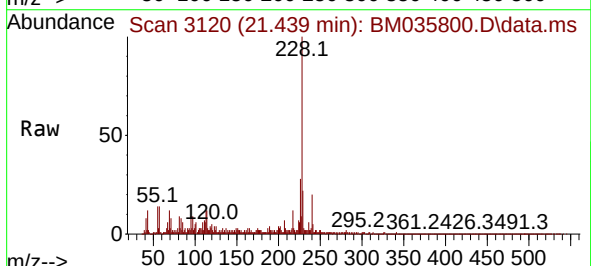
Manual Integrations

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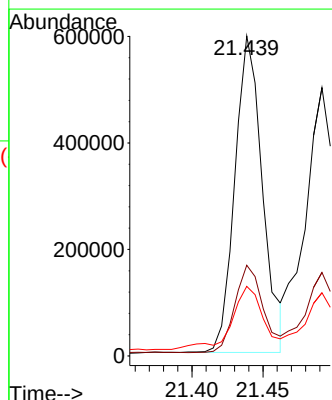
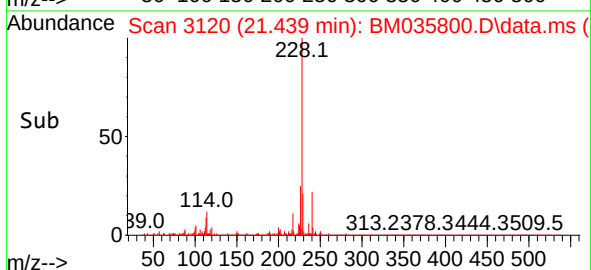
Reviewed By :Christian Giraldo 07/14/2022
 Supervised By :Jagrut Upadhyay 07/14/2022

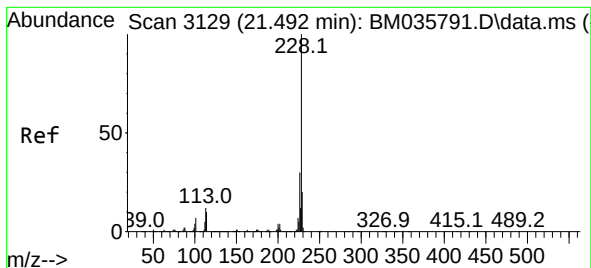


#81
 Benzo(a)anthracene
 Concen: 11.053 ng
 RT: 21.439 min Scan# 3120
 Delta R.T. -0.000 min
 Lab File: BM035800.D
 Acq: 13 Jul 2022 18:48



Tgt Ion:228 Resp: 803146
 Ion Ratio Lower Upper
 228 100
 226 28.3 22.3 33.5
 229 21.7 15.8 23.6





#83

Chrysene

Concen: 10.370 ng

RT: 21.491 min Scan# 3129

Delta R.T. -0.001 min

Lab File: BM035800.D

Acq: 13 Jul 2022 18:48

Instrument :

BNA_M

ClientSampleId :

ETGI-361

Tgt Ion:228 Resp: 727514

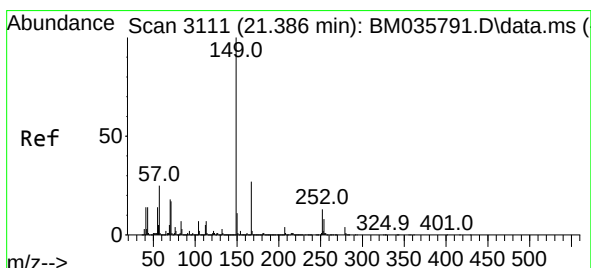
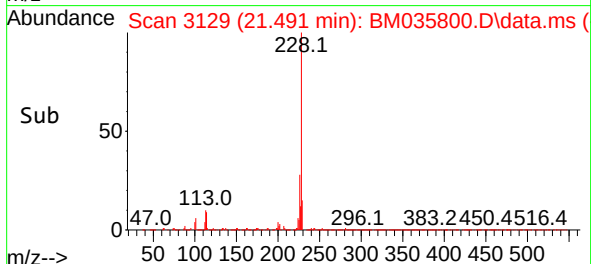
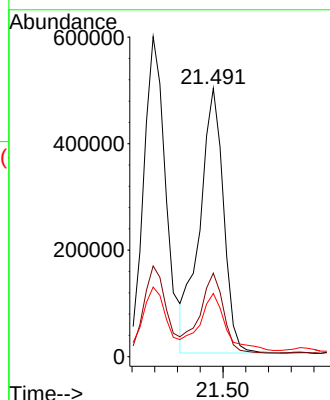
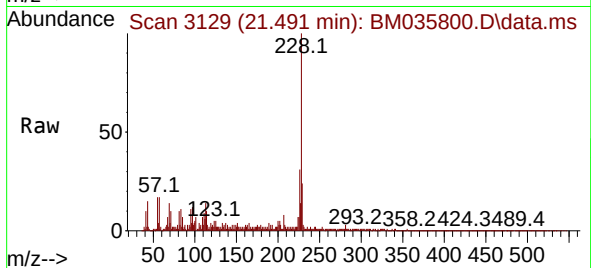
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.4	36.6
229	23.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/14/2022

Supervised By :Jagrut Upadhyay 07/14/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.652 ng

RT: 21.386 min Scan# 3111

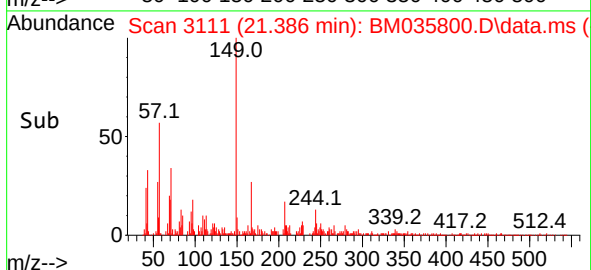
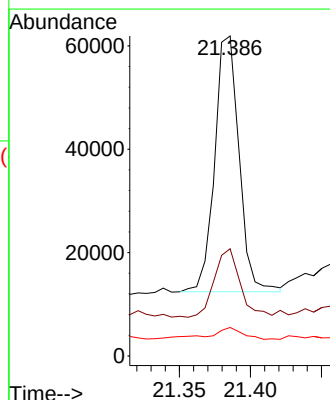
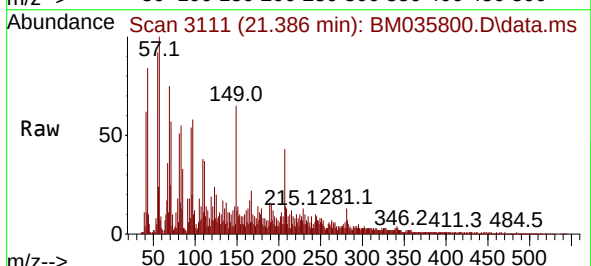
Delta R.T. -0.000 min

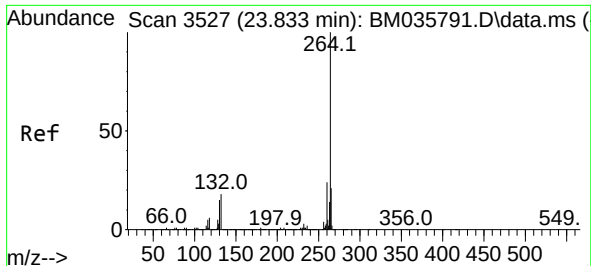
Lab File: BM035800.D

Acq: 13 Jul 2022 18:48

Tgt Ion:149 Resp: 58955

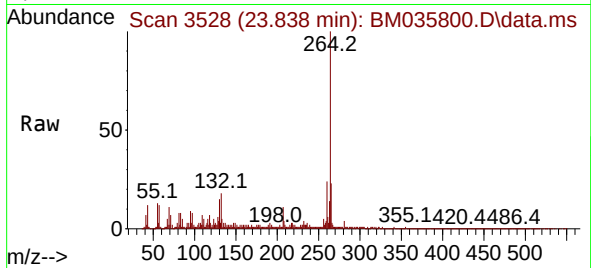
Ion	Ratio	Lower	Upper
149	100		
167	33.5	21.1	31.7#
279	8.9	2.8	4.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.838 min Scan# 3527
Delta R.T. 0.005 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

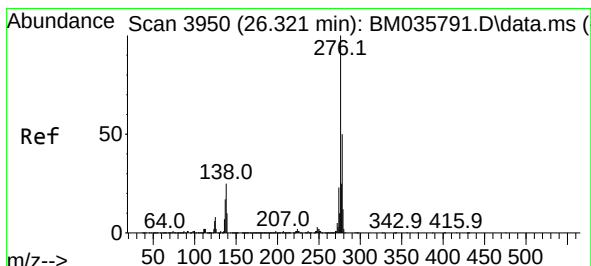
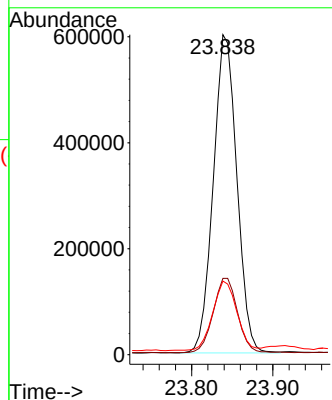
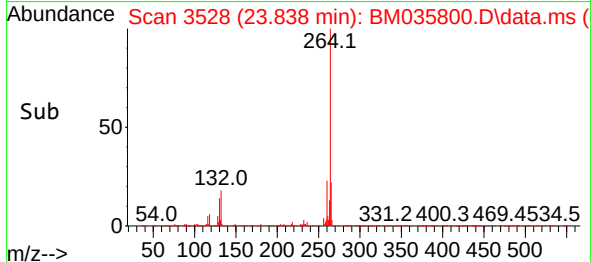
Instrument :
BNA_M
ClientSampleId :
ETGI-361



Tgt Ion:264 Resp: 121287
Ion Ratio Lower Upper
264 100
260 23.9 18.9 28.3
265 23.0 17.5 26.3

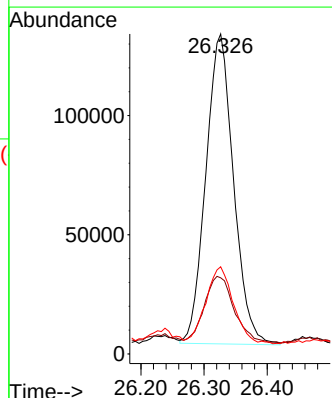
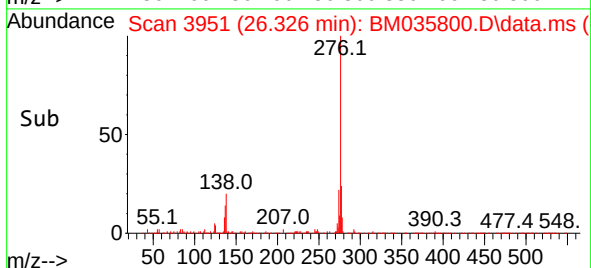
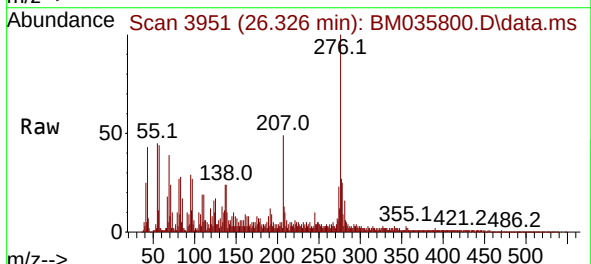
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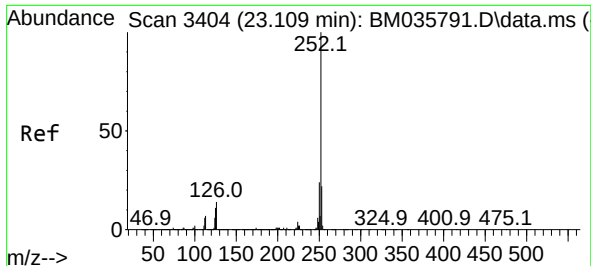
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.486 ng
RT: 26.326 min Scan# 3951
Delta R.T. 0.005 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

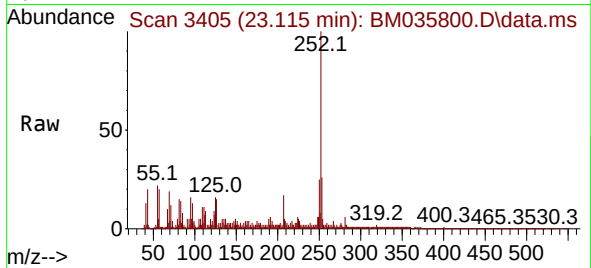
Tgt Ion:276 Resp: 396185
Ion Ratio Lower Upper
276 100
138 23.2 20.2 30.4
277 24.7 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 11.916 ng
RT: 23.115 min Scan# 3404
Delta R.T. 0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

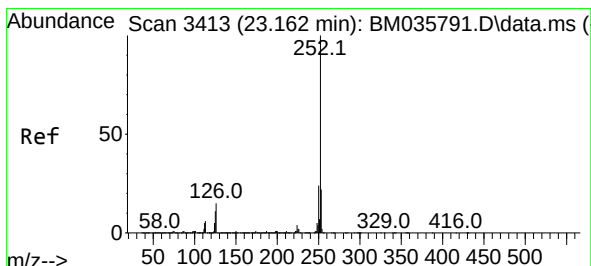
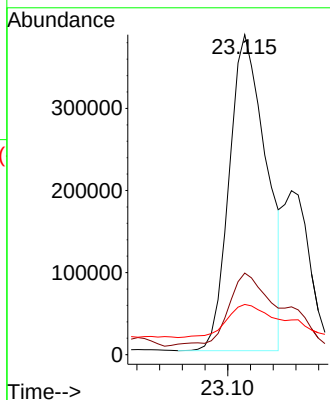
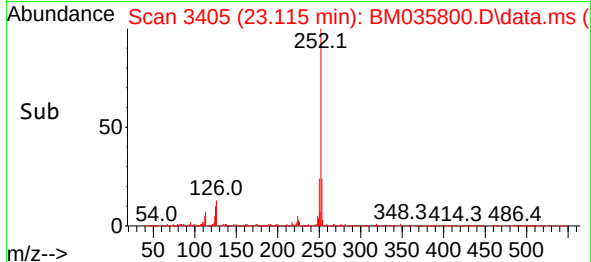
Instrument :
BNA_M
ClientSampleId :
ETGI-361



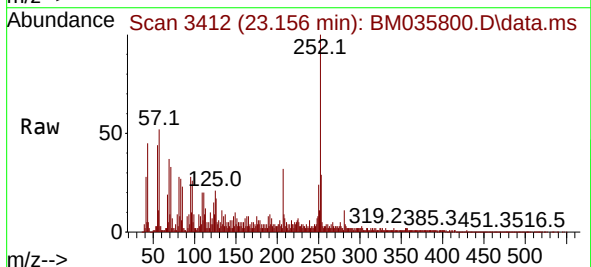
Tgt Ion:252 Resp: 872920
Ion Ratio Lower Upper
252 100
253 25.5 17.6 26.4
125 15.7 7.6 11.4

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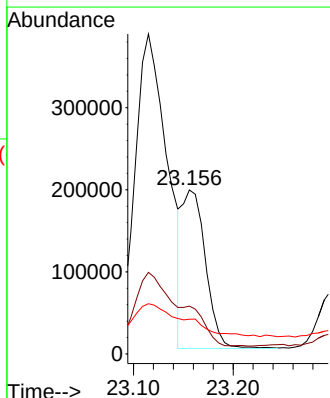
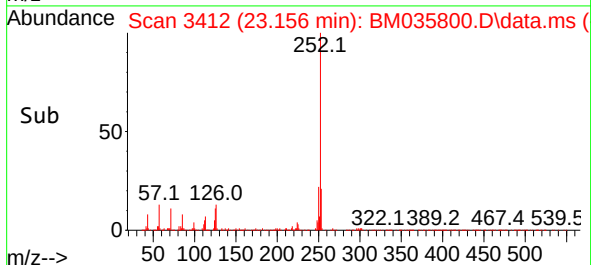
Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022

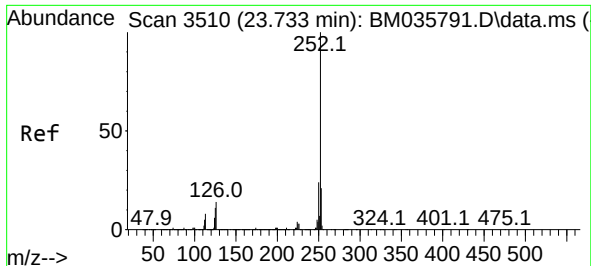


#89
Benzo(k)fluoranthene
Concen: 4.104 ng m
RT: 23.156 min Scan# 3412
Delta R.T. -0.006 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48



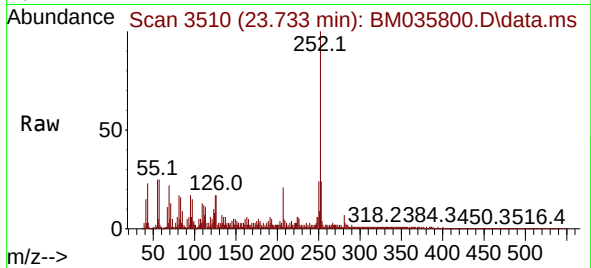
Tgt Ion:252 Resp: 314446
Ion Ratio Lower Upper
252 100
253 29.1 17.5 26.3#
125 21.2 7.6 11.4#





#90
Benzo(a)pyrene
Concen: 9.822 ng
RT: 23.733 min Scan# 3510
Delta R.T. -0.000 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48

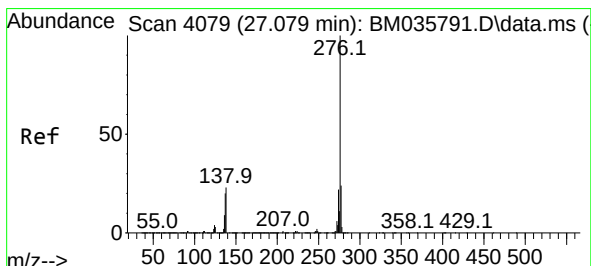
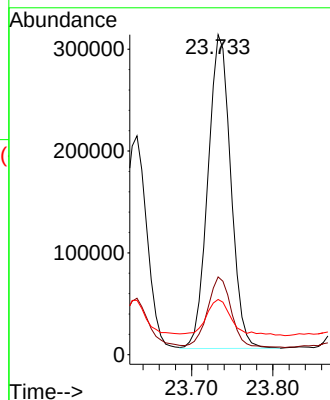
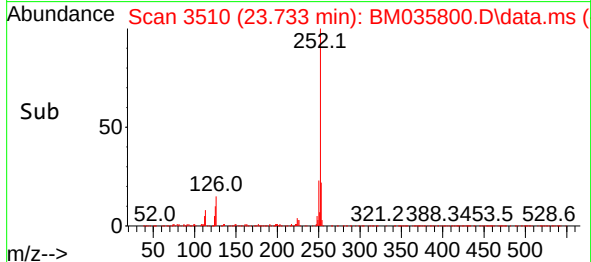
Instrument :
BNA_M
ClientSampleId :
ETGI-361



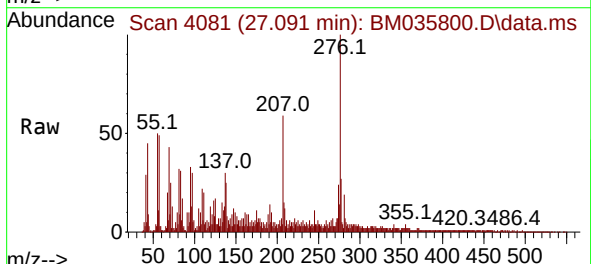
Tgt Ion:252 Resp: 601994
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 17.3 8.7 13.1

Manual Integrations
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Reviewed By :Christian Giraldo 07/14/2022
Supervised By :Jagrut Upadhyay 07/14/2022



#92
Benzo(g,h,i)perylene
Concen: 5.125 ng
RT: 27.091 min Scan# 4081
Delta R.T. 0.012 min
Lab File: BM035800.D
Acq: 13 Jul 2022 18:48



Tgt Ion:276 Resp: 370530
Ion Ratio Lower Upper
276 100
277 27.5 18.7 28.1
138 25.3 17.6 26.4

