

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
 Data File : BM035403.D
 Acq On : 03 Jun 2022 20:01
 Operator : CG/JU
 Sample : N3158-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 OR-2-060122

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/06/2022
 Supervised By : Jagrut Upadhyay 06/06/2022

Quant Time: Jun 04 00:46:35 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jun 02 16:16:23 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.851	152	210495	20.000	ng	0.00
21) Naphthalene-d8	10.645	136	791187	20.000	ng	#-0.01
39) Acenaphthene-d10	14.492	164	503757	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	1090711	20.000	ng	0.00
76) Chrysene-d12	21.421	240	1218905	20.000	ng	# 0.00
86) Perylene-d12	23.785	264	1393742	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	175577	17.527	ng	0.00
7) Phenol-d6	7.040	99	207714	15.180	ng	0.00
23) Nitrobenzene-d5	9.010	82	121482	9.749	ng	0.00
42) 2,4,6-Tribromophenol	15.986	330	115621	14.305	ng	0.00
45) 2-Fluorobiphenyl	13.116	172	394618	11.251	ng	0.00
79) Terphenyl-d14	19.862	244	649488	10.616	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.698	128	113315	2.956	ng	99
37) 2-Methylnaphthalene	12.316	142	58533m	2.023	ng	
49) Acenaphthylene	14.216	152	117397	2.752	ng	98
52) Acenaphthene	14.551	154	129749	5.022	ng	99
55) Dibenzofuran	14.892	168	164672	3.711	ng	89
58) Fluorene	15.539	166	226968	6.547	ng	100
71) Phenanthrene	17.280	178	1959186	35.488	ng	99
72) Anthracene	17.368	178	711189	12.931	ng	99
73) Carbazole	17.645	167	120666	2.330	ng	97
75) Fluoranthene	19.298	202	3065612	46.000	ng	98
78) Pyrene	19.662	202	2718991	36.785	ng	100
81) Benzo(a)anthracene	21.409	228	1575526	21.053	ng	97
83) Chrysene	21.456	228	1354794	18.960	ng	98
87) Indeno(1,2,3-cd)pyrene	26.232	276	941423	10.182	ng	# 92
88) Benzo(b)fluoranthene	23.074	252	1783372	22.215	ng	98
89) Benzo(k)fluoranthene	23.109	252	670845m	8.166	ng	
90) Benzo(a)pyrene	23.680	252	1419015	20.761	ng	96
91) Dibenzo(a,h)anthracene	26.238	278	256175	3.320	ng	# 86
92) Benzo(g,h,i)perylene	26.985	276	886541	11.910	ng	# 94

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

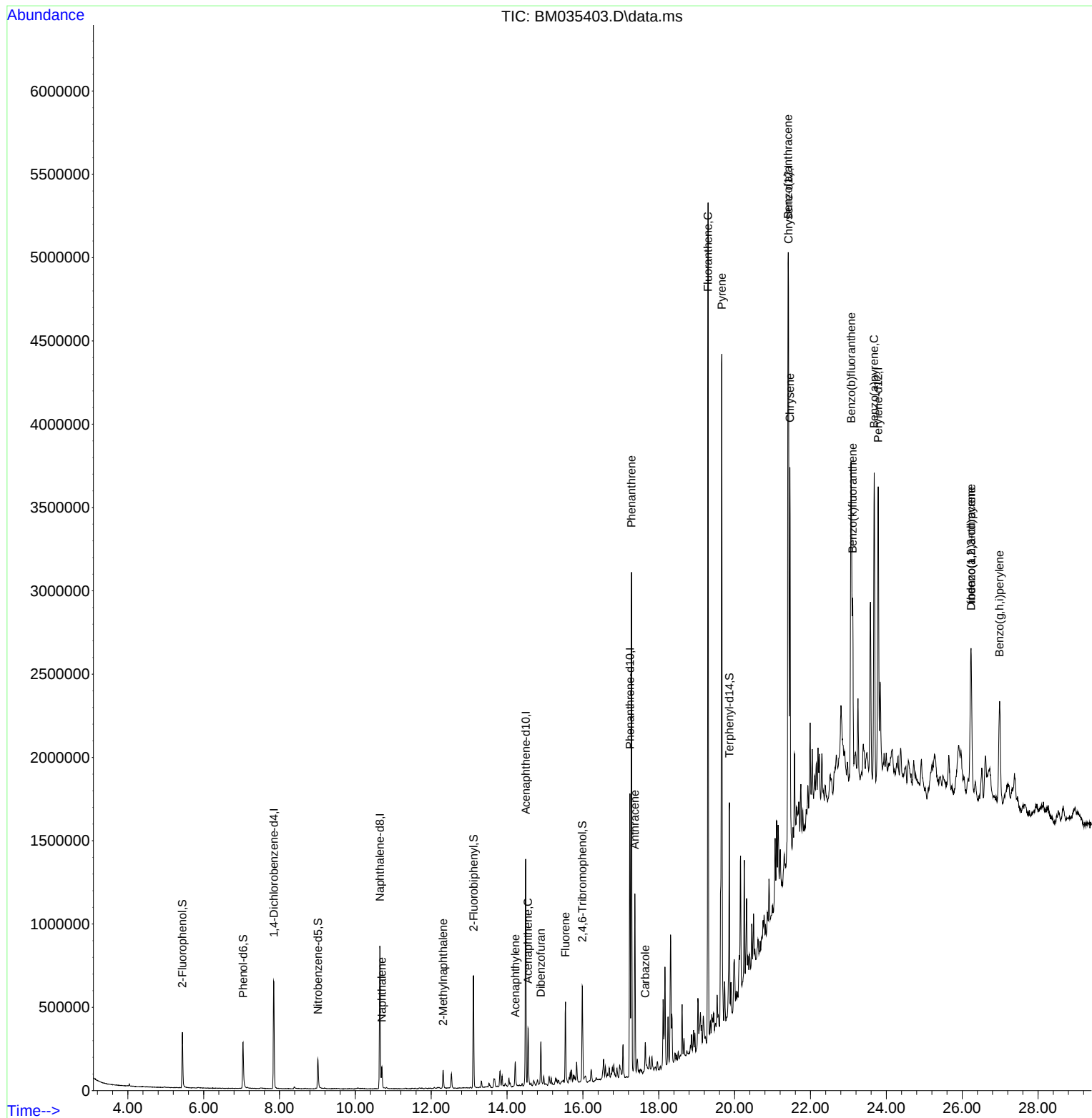
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
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Misc :
ALS Vial : 18 Sample Multiplier: 1

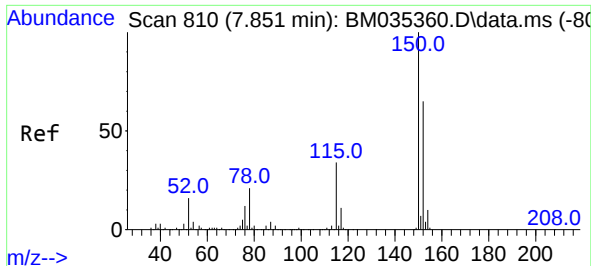
Instrument :
BNA_M
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OR-2-060122

Quant Time: Jun 04 00:46:35 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
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QLast Update : Thu Jun 02 16:16:23 2022
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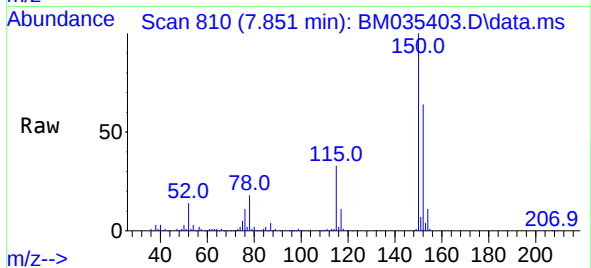
Reviewed By : Christian Giraldo 06/06/2022
Supervised By : Jagrut Upadhyay 06/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

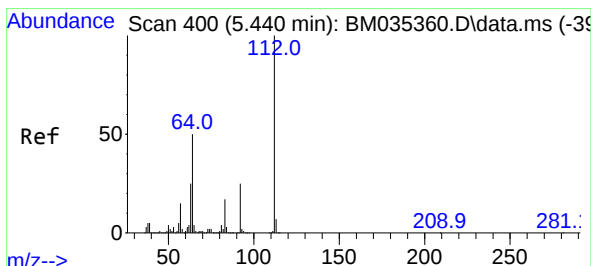
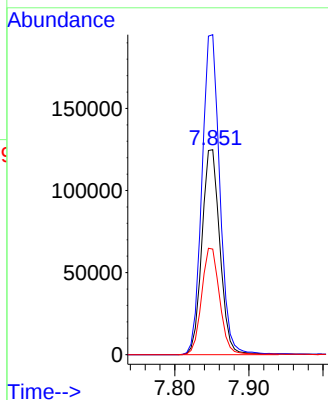
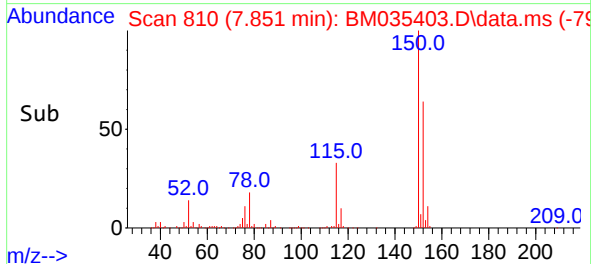
Instrument :
BNA_M
ClientSampleId :
OR-2-060122



Tgt Ion:152 Resp: 210495
Ion Ratio Lower Upper
152 100
150 156.1 124.9 187.3
115 51.5 47.9 71.9

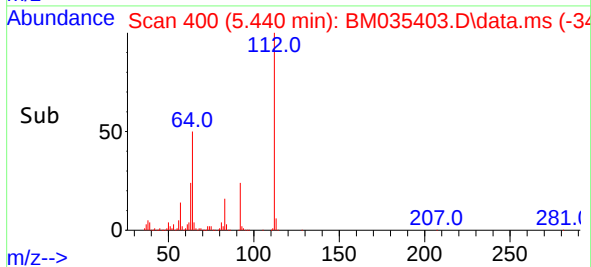
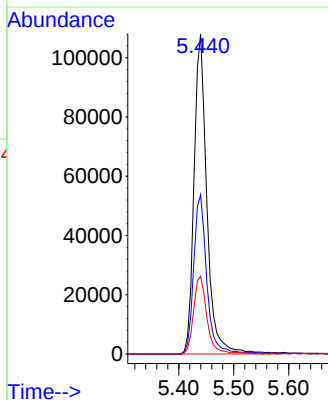
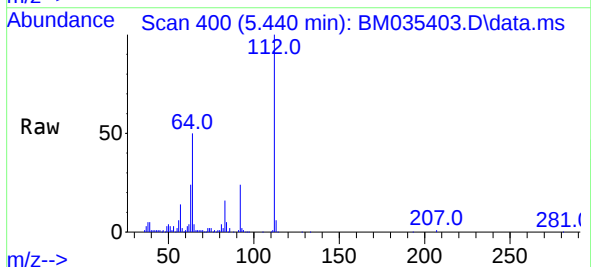
Manual Integrations
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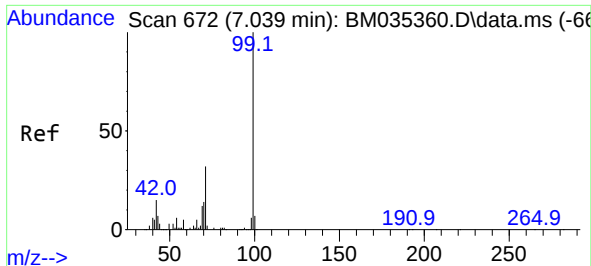
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#5
2-Fluorophenol
Concen: 17.527 ng
RT: 5.440 min Scan# 400
Delta R.T. 0.000 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

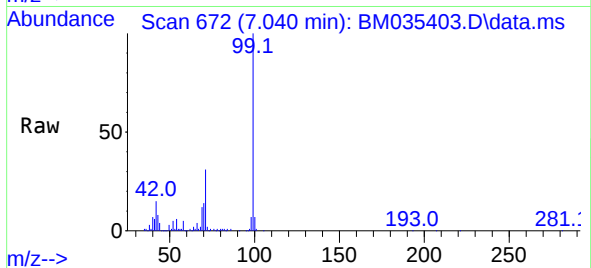
Tgt Ion:112 Resp: 175577
Ion Ratio Lower Upper
112 100
64 49.7 47.8 71.6
63 24.3 26.6 40.0#





#7
Phenol-d6
Concen: 15.180 ng
RT: 7.040 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

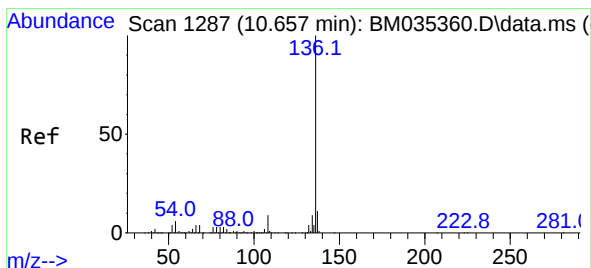
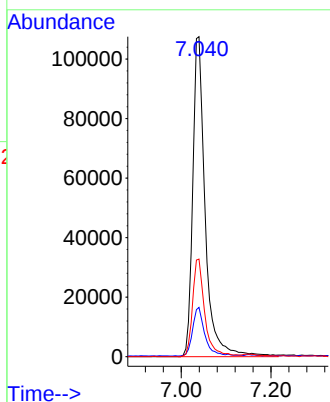
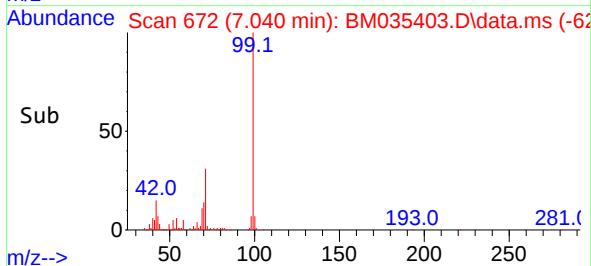
Instrument :
BNA_M
ClientSampleId :
OR-2-060122



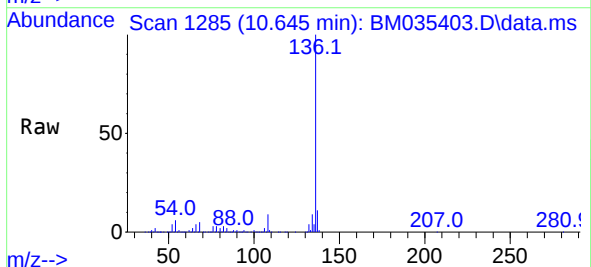
Tgt Ion: 99 Resp: 207714
Ion Ratio Lower Upper
99 100
42 15.4 18.8 28.2
71 30.5 30.2 45.2

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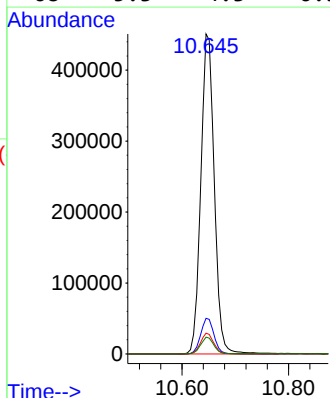
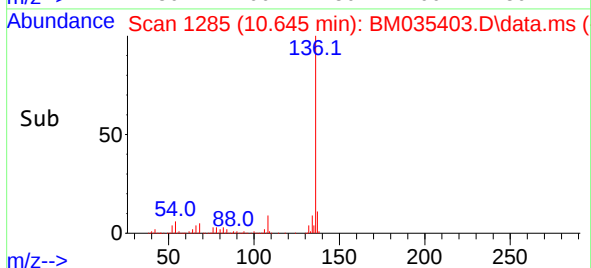
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

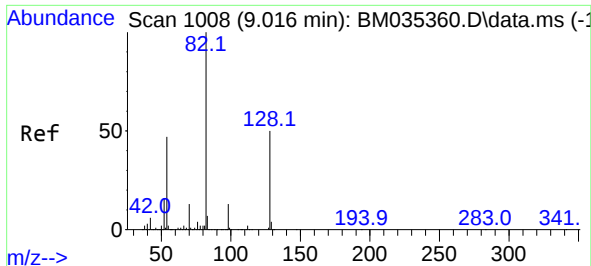


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.645 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01



Tgt Ion:136 Resp: 791187
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 6.5 7.0 10.4
68 5.3 4.3 6.5





#23

Nitrobenzene-d5

Concen: 9.749 ng

RT: 9.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BM035403.D

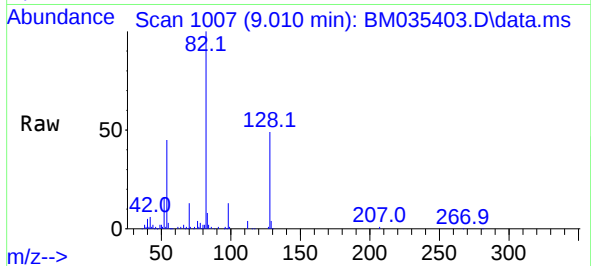
Acq: 03 Jun 2022 20:01

Instrument :

BNA_M

ClientSampleId :

OR-2-060122



Tgt Ion: 82 Resp: 12148

Ion Ratio Lower Upper

82 100

128 48.9 33.7 50.5

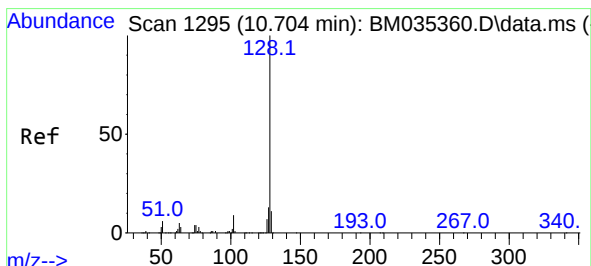
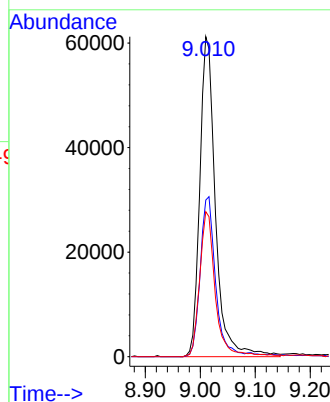
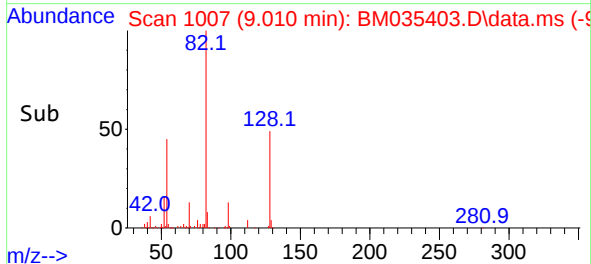
54 45.3 43.2 64.8

Manual Integrations

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Reviewed By :Christian Giraldo 06/06/2022

Supervised By :Jagrut Upadhyay 06/06/2022



#31

Naphthalene

Concen: 2.956 ng

RT: 10.698 min Scan# 1294

Delta R.T. -0.006 min

Lab File: BM035403.D

Acq: 03 Jun 2022 20:01

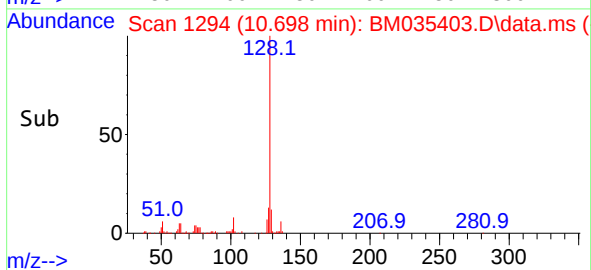
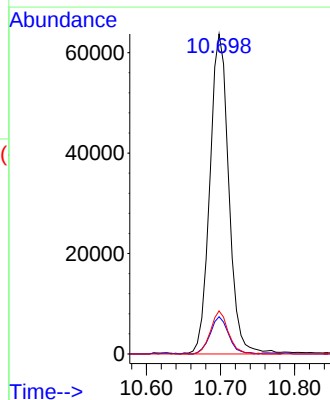
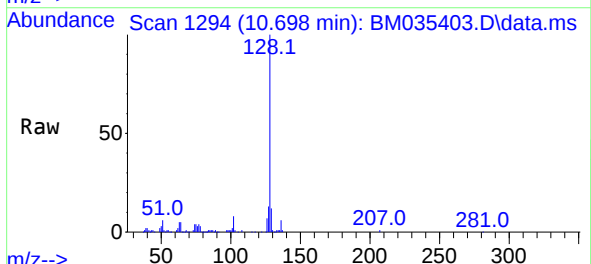
Tgt Ion:128 Resp: 113315

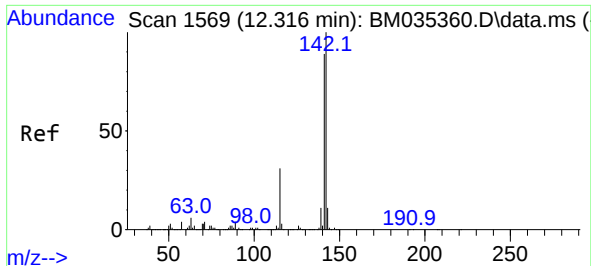
Ion Ratio Lower Upper

128 100

129 11.6 8.7 13.1

127 13.4 10.6 16.0





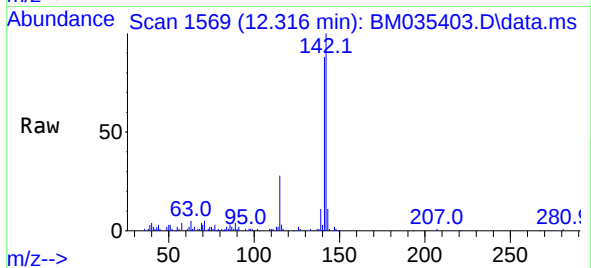
#37
2-Methylnaphthalene
Concen: 2.023 ng m
RT: 12.316 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Instrument :

BNA_M

ClientSampleId :

OR-2-060122

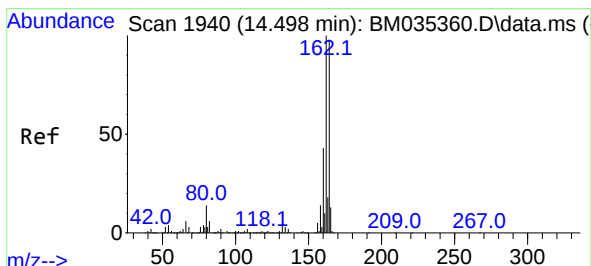
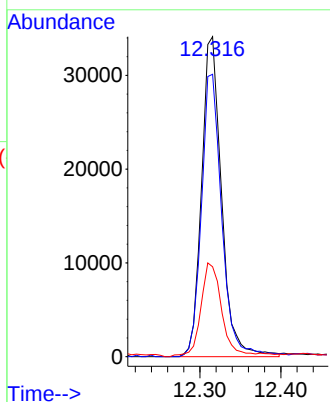
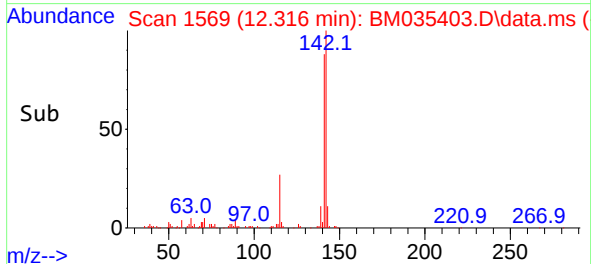


Tgt Ion:142 Resp: 5853
Ion Ratio Lower Upper
142 100
141 88.2 72.4 108.6
115 28.1 29.6 44.4

Manual Integrations

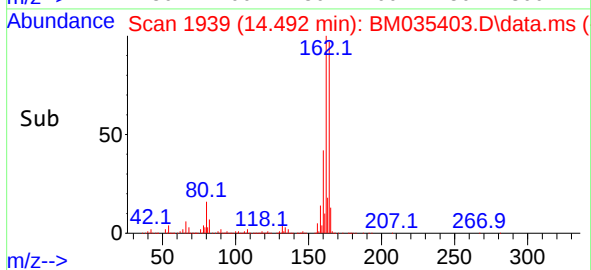
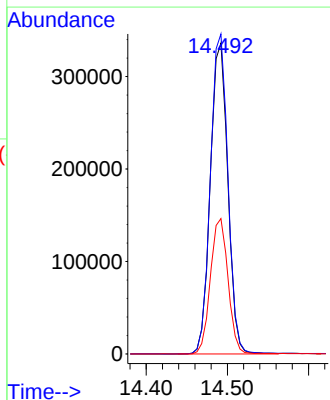
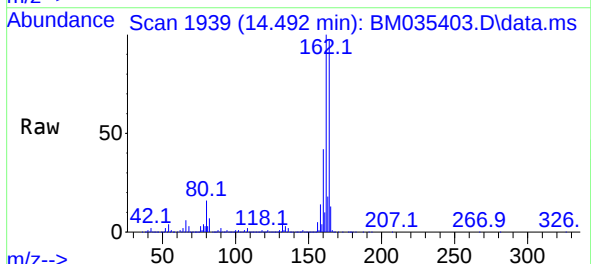
APPROVED

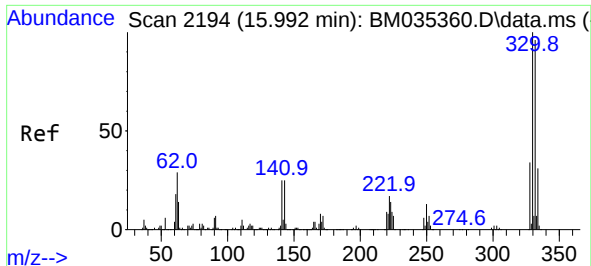
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Tgt Ion:164 Resp: 503757
Ion Ratio Lower Upper
164 100
162 103.0 83.0 124.6
160 43.6 37.0 55.4





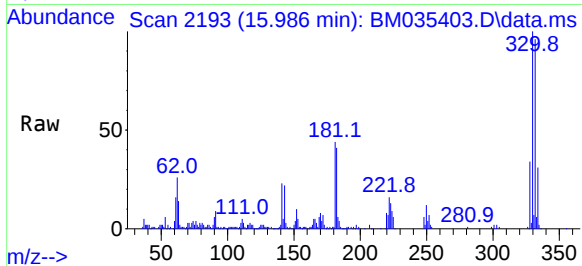
#42
2,4,6-Tribromophenol
Concen: 14.305 ng
RT: 15.986 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Instrument :

BNA_M

ClientSampleId :

OR-2-060122

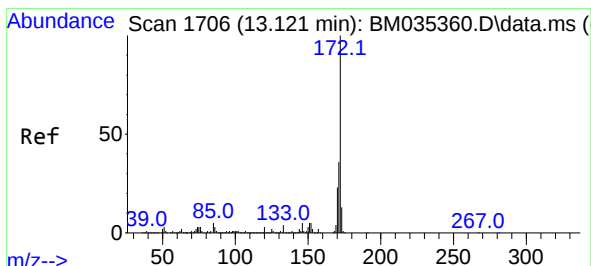
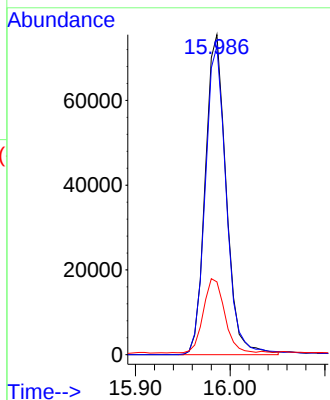
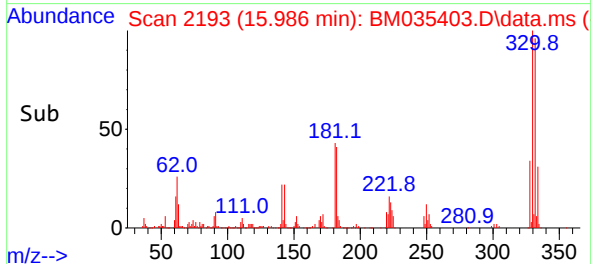


Tgt Ion:330 Resp: 11562
Ion Ratio Lower Upper
330 100
332 98.3 77.0 115.4
141 23.7 35.3 52.9

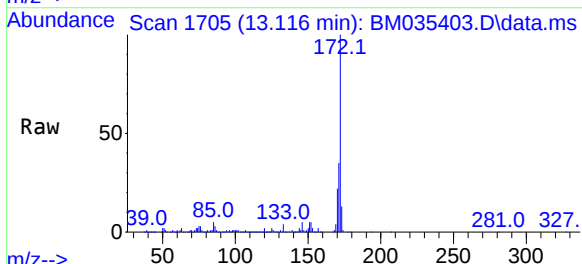
Manual Integrations

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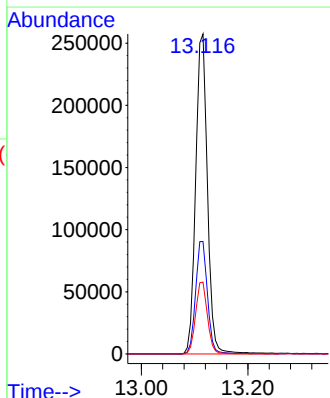
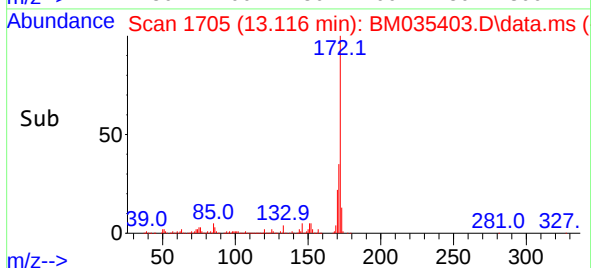
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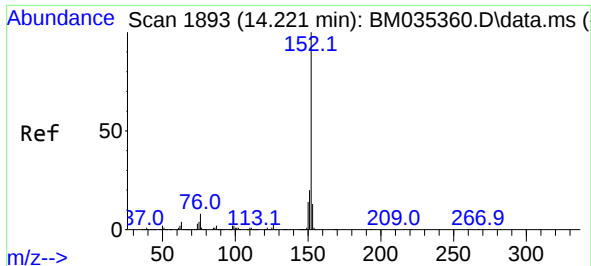


#45
2-Fluorobiphenyl
Concen: 11.251 ng
RT: 13.116 min Scan# 1705
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01



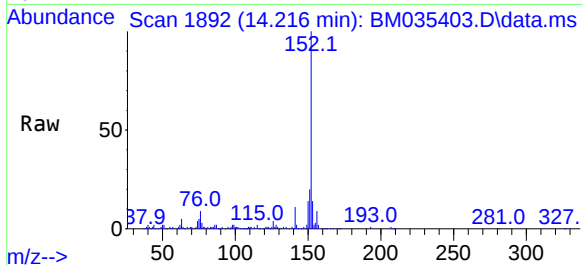
Tgt Ion:172 Resp: 394618
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 22.4 18.7 28.1





#49
Acenaphthylene
Concen: 2.752 ng
RT: 14.216 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

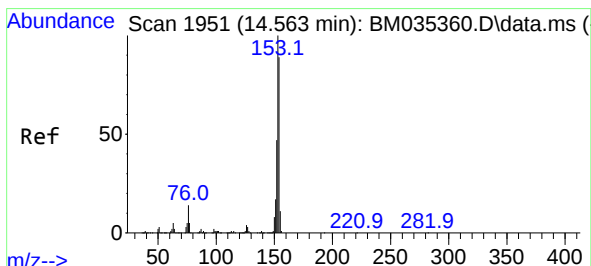
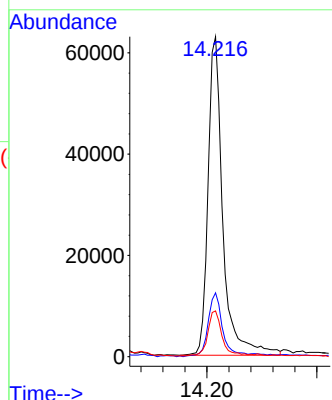
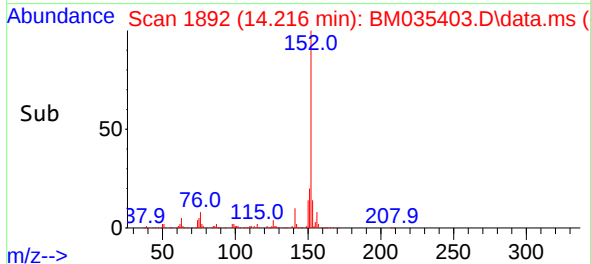
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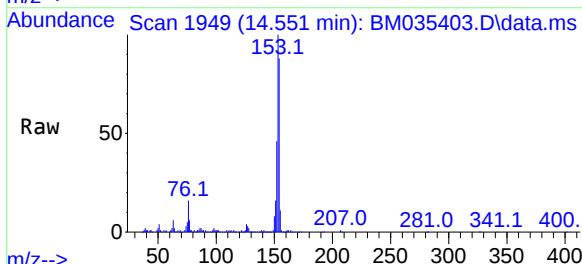
Tgt Ion:152 Resp: 11739
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 14.3 10.5 15.7

Manual Integrations
APPROVED

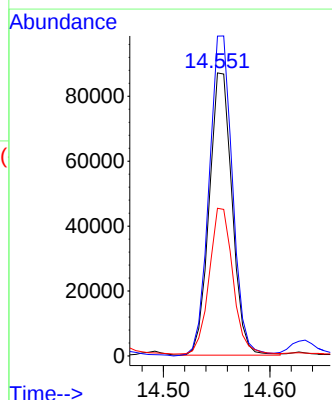
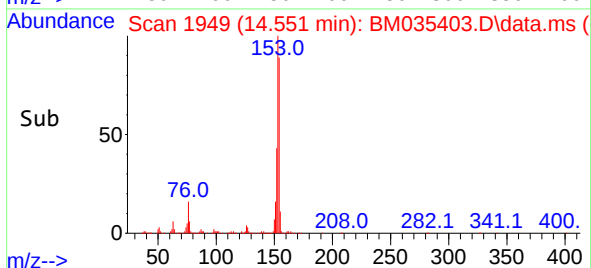
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

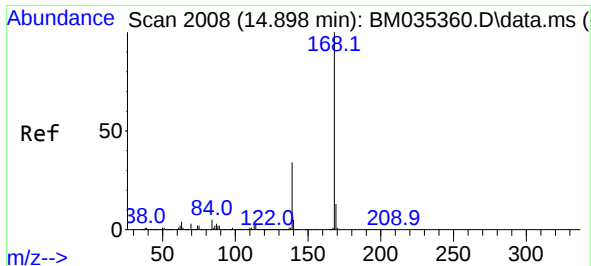


#52
Acenaphthene
Concen: 5.022 ng
RT: 14.551 min Scan# 1949
Delta R.T. -0.012 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01



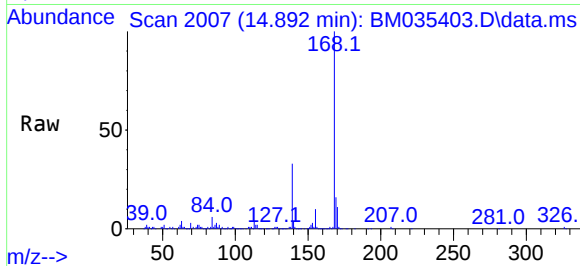
Tgt Ion:154 Resp: 129749
Ion Ratio Lower Upper
154 100
153 113.0 91.0 136.6
152 52.2 43.4 65.2





#55
Dibenzenofuran
Concen: 3.711 ng
RT: 14.892 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

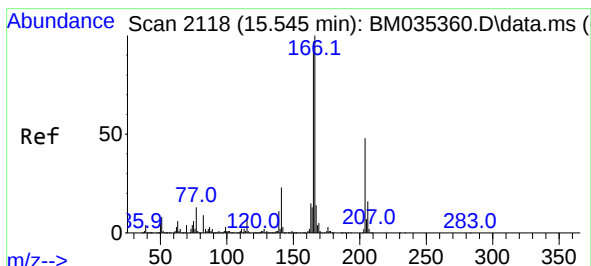
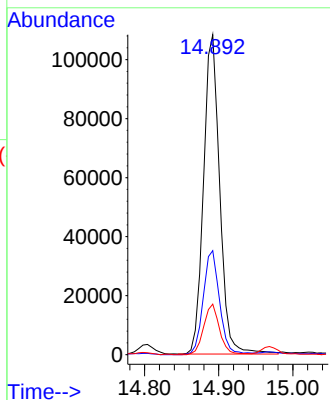
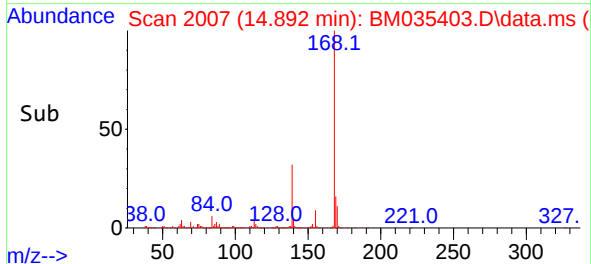
Instrument :
BNA_M
ClientSampleId :
OR-2-060122



Tgt Ion:168 Resp: 164672
Ion Ratio Lower Upper
168 100
139 32.5 32.2 48.2
169 15.8 10.6 16.0

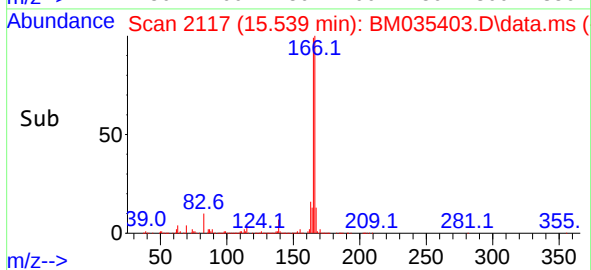
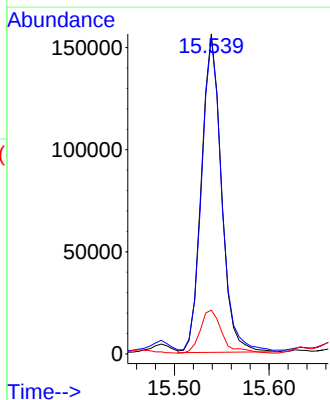
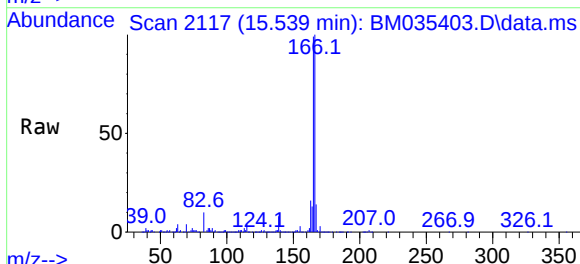
Manual Integrations
APPROVED

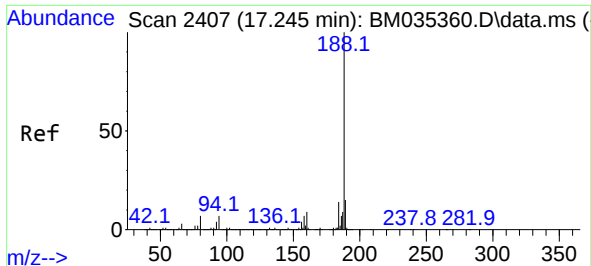
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#58
Fluorene
Concen: 6.547 ng
RT: 15.539 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Tgt Ion:166 Resp: 226968
Ion Ratio Lower Upper
166 100
165 98.9 79.4 119.2
167 13.7 10.6 16.0





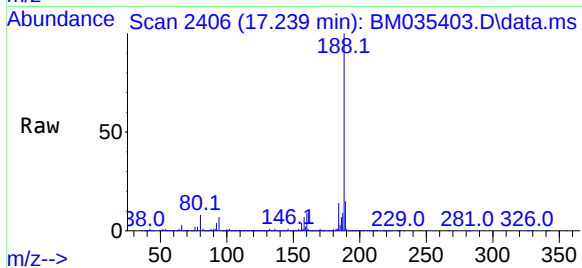
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2407
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Instrument :

BNA_M

ClientSampleId :

OR-2-060122

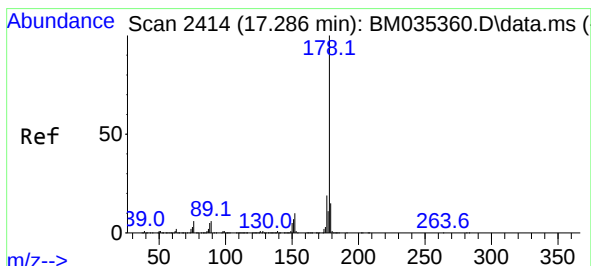
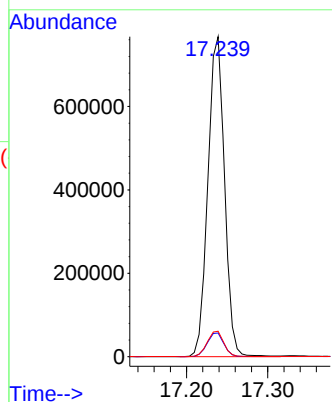
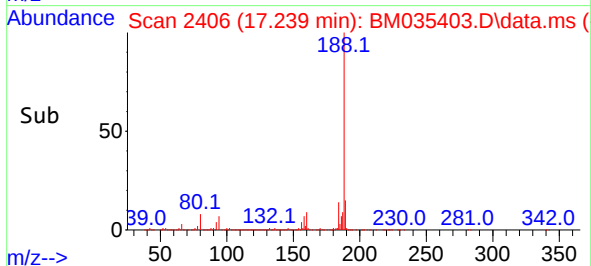


Tgt Ion:188 Resp: 109071
Ion Ratio Lower Upper
188 100
94 7.4 7.0 10.4
80 8.0 7.6 11.4

Manual Integrations

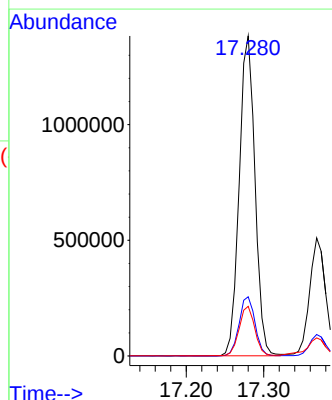
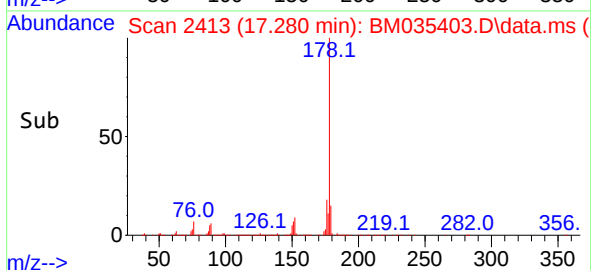
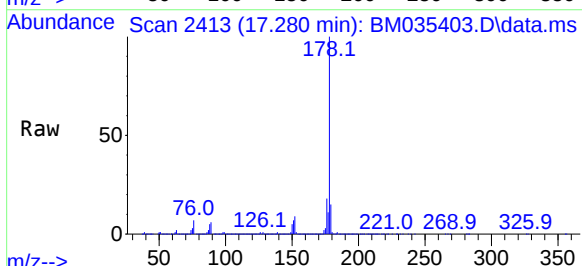
APPROVED

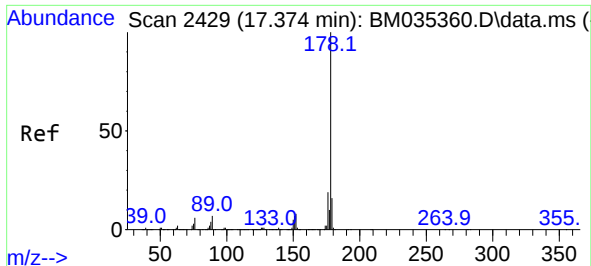
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#71
Phenanthrene
Concen: 35.488 ng
RT: 17.280 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

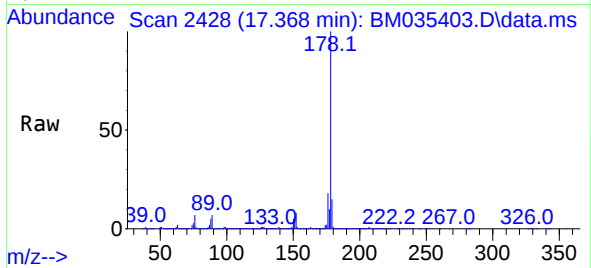
Tgt Ion:178 Resp: 1959186
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 12.931 ng
 RT: 17.368 min Scan# 2429
 Delta R.T. -0.006 min
 Lab File: BM035403.D
 Acq: 03 Jun 2022 20:01

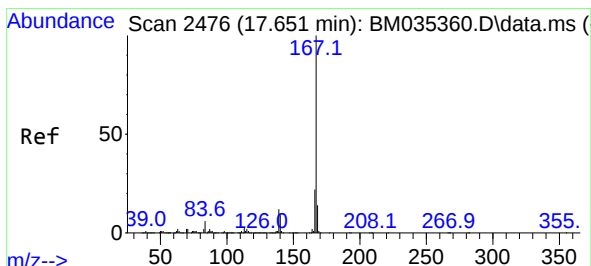
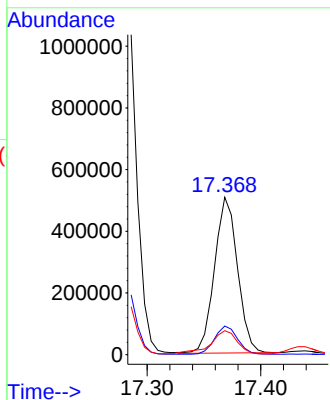
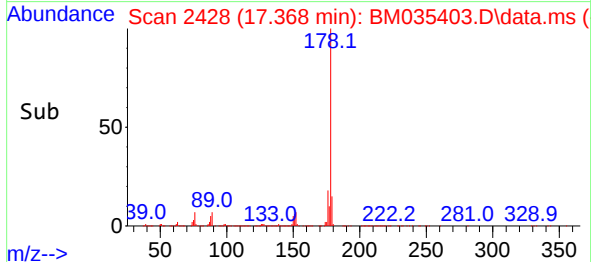
Instrument :
 BNA_M
 ClientSampleId :
 OR-2-060122



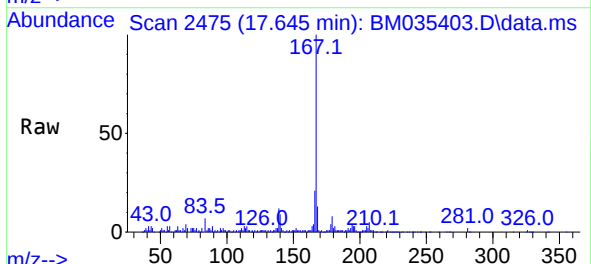
Tgt Ion:178 Resp: 711189
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.0 22.4
 179 15.3 12.2 18.2

Manual Integrations
 APPROVED

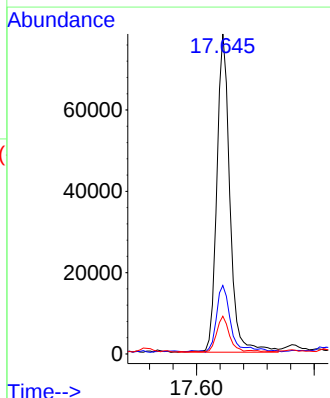
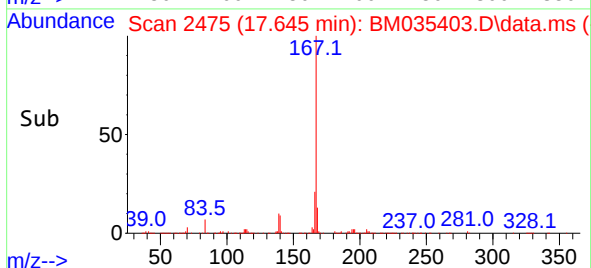
Reviewed By :Christian Giraldo 06/06/2022
 Supervised By :Jagrut Upadhyay 06/06/2022

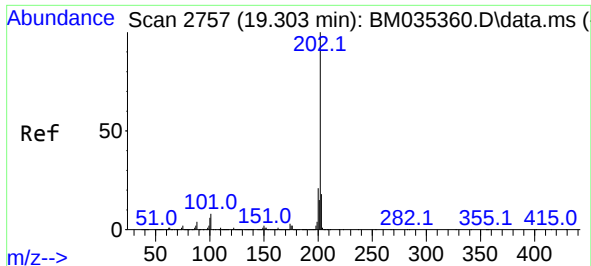


#73
 Carbazole
 Concen: 2.330 ng
 RT: 17.645 min Scan# 2475
 Delta R.T. -0.006 min
 Lab File: BM035403.D
 Acq: 03 Jun 2022 20:01



Tgt Ion:167 Resp: 120666
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.8 26.8
 139 11.8 10.9 16.3





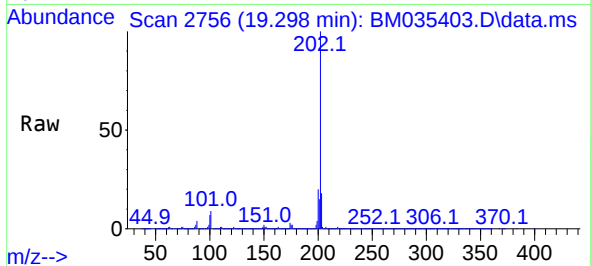
#75
Fluoranthene
Concen: 46.000 ng
RT: 19.298 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Instrument :

BNA_M

ClientSampleId :

OR-2-060122

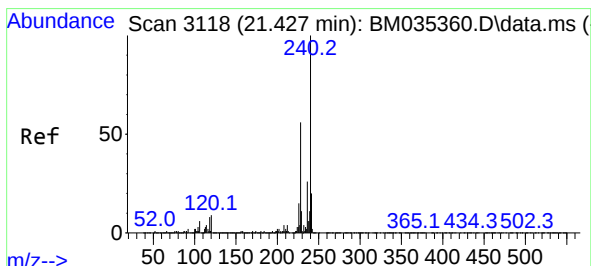
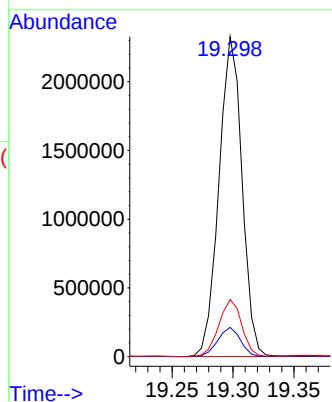


Tgt Ion:202 Resp: 306561
Ion Ratio Lower Upper
202 100
101 9.1 0.0 30.6
203 17.8 0.0 37.4

Manual Integrations

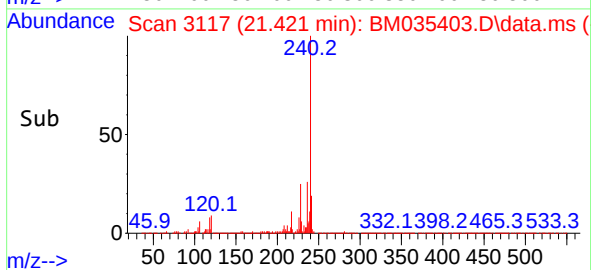
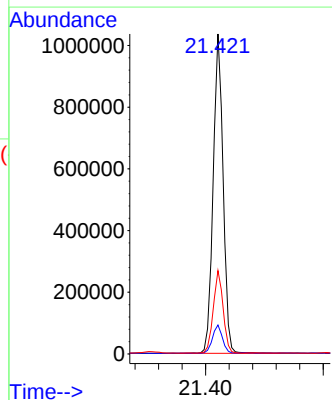
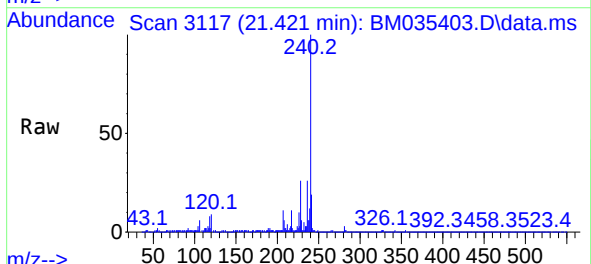
APPROVED

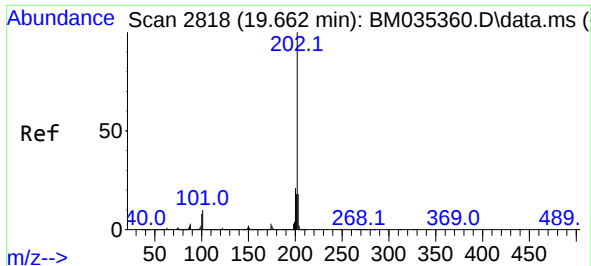
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.421 min Scan# 3117
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

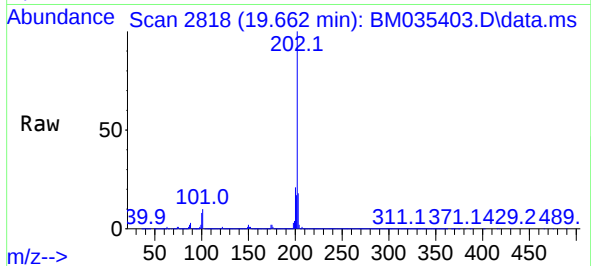
Tgt Ion:240 Resp: 1218905
Ion Ratio Lower Upper
240 100
120 9.1 9.4 14.0#
236 26.0 20.6 30.8





#78
Pyrene
Concen: 36.785 ng
RT: 19.662 min Scan# 2818
Delta R.T. 0.000 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

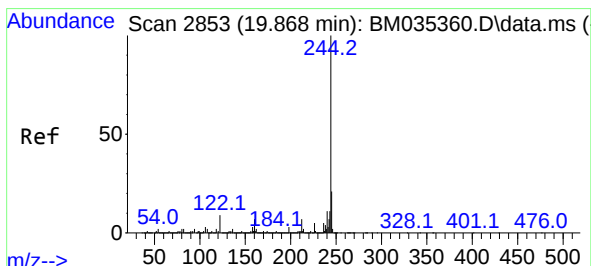
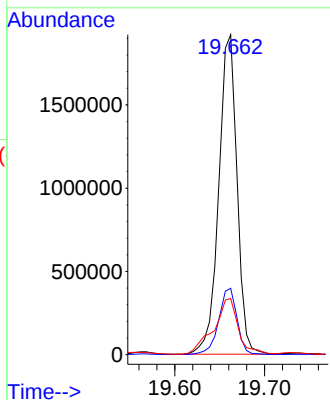
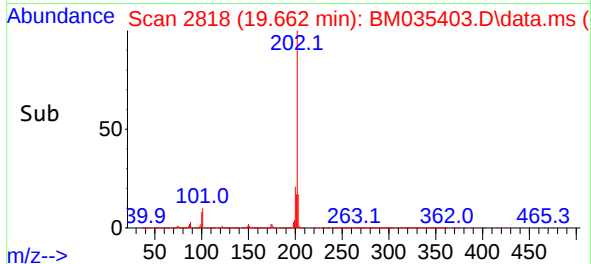
Instrument :
BNA_M
ClientSampleId :
OR-2-060122



Tgt Ion:202 Resp: 271899
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.6 13.9 20.9

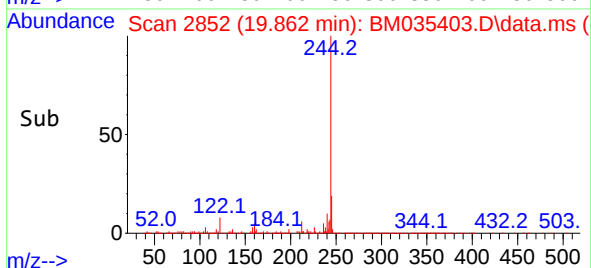
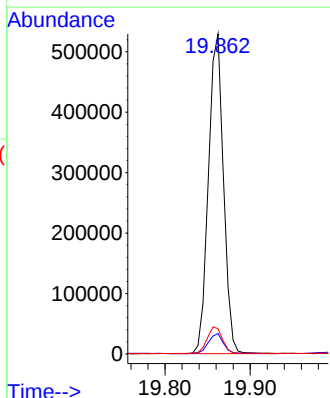
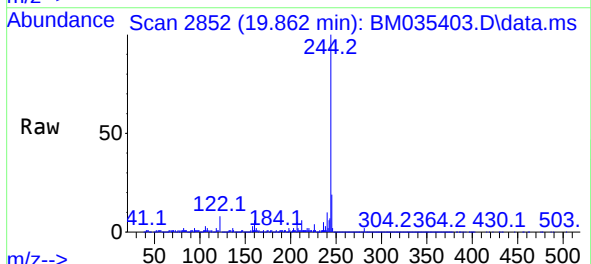
Manual Integrations
APPROVED

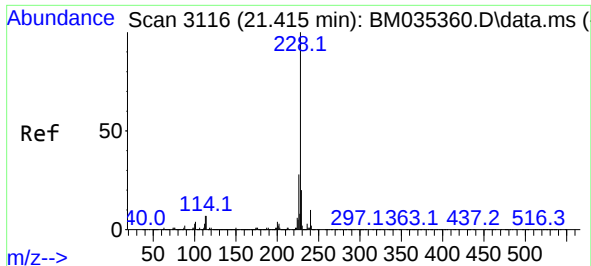
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#79
Terphenyl-d14
Concen: 10.616 ng
RT: 19.862 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Tgt Ion:244 Resp: 649488
Ion Ratio Lower Upper
244 100
212 6.4 6.2 9.4
122 7.9 8.3 12.5





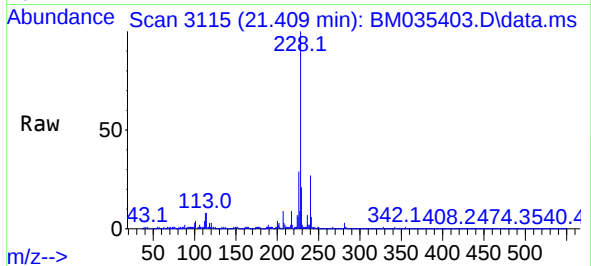
#81
Benzo(a)anthracene
Concen: 21.053 ng
RT: 21.409 min Scan# 3115
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Instrument :

BNA_M

ClientSampleId :

OR-2-060122

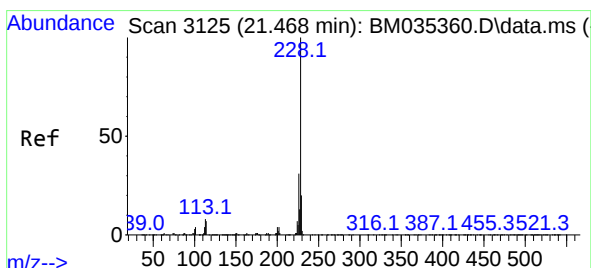
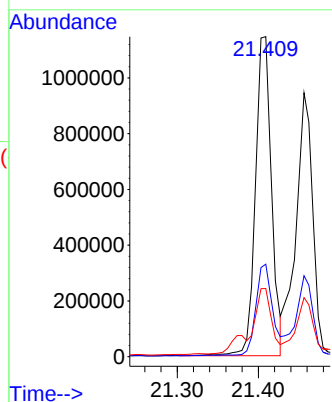
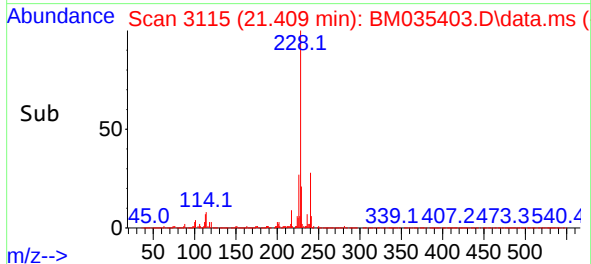


Tgt Ion:228 Resp: 1575520
Ion Ratio Lower Upper
228 100
226 28.9 22.3 33.5
229 21.3 15.8 23.6

Manual Integrations

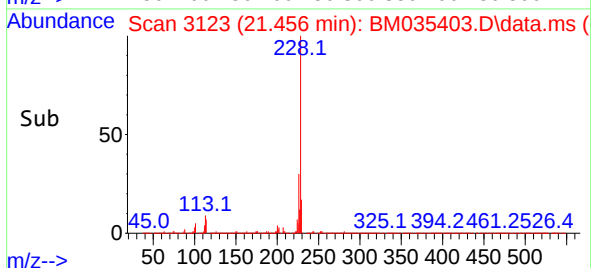
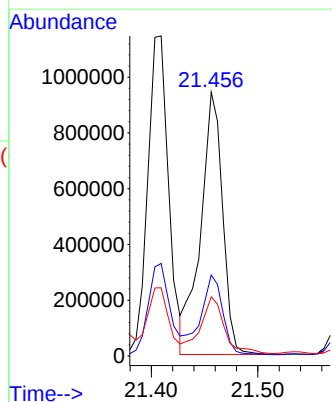
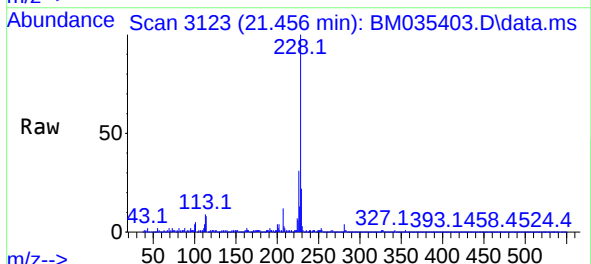
APPROVED

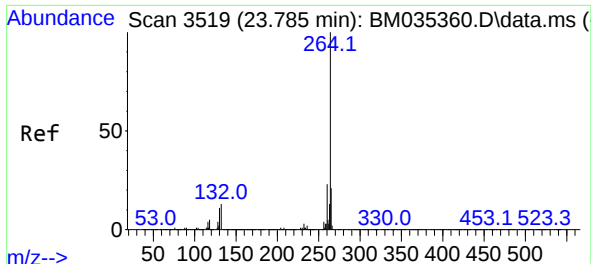
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#83
Chrysene
Concen: 18.960 ng
RT: 21.456 min Scan# 3123
Delta R.T. -0.012 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

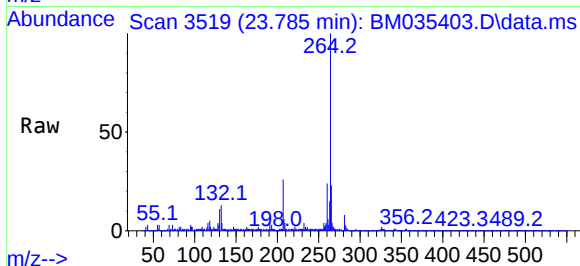
Tgt Ion:228 Resp: 1354794
Ion Ratio Lower Upper
228 100
226 30.7 24.4 36.6
229 22.4 15.8 23.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.785 min Scan# 3519
Delta R.T. 0.000 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

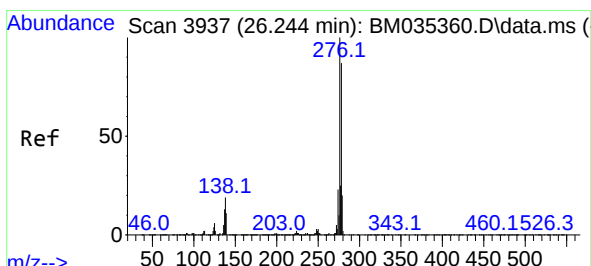
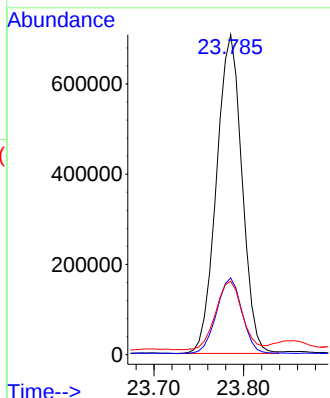
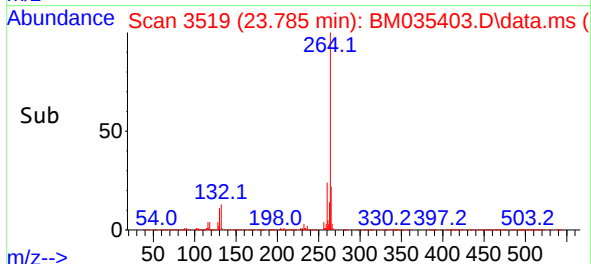
Instrument :
BNA_M
ClientSampleId :
OR-2-060122



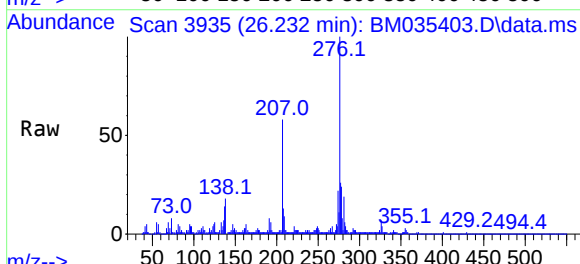
Tgt Ion:264 Resp: 139374
Ion Ratio Lower Upper
264 100
260 24.0 18.9 28.3
265 23.0 17.5 26.3

Manual Integrations
APPROVED

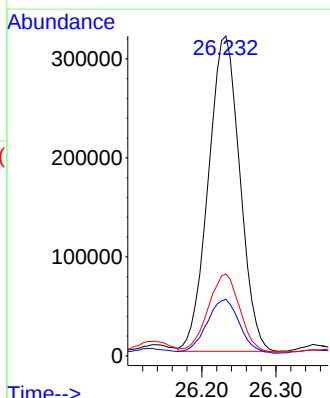
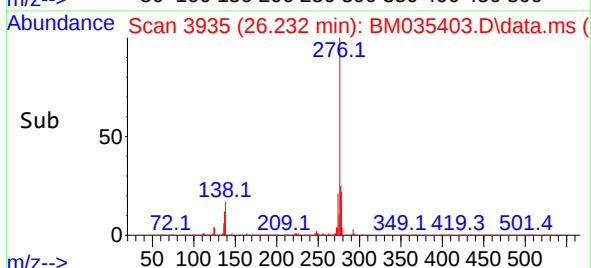
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

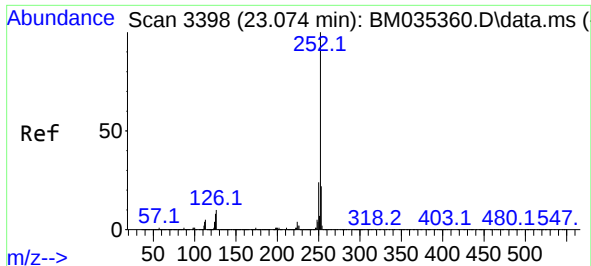


#87
Indeno(1,2,3-cd)pyrene
Concen: 10.182 ng
RT: 26.232 min Scan# 3935
Delta R.T. -0.012 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01



Tgt Ion:276 Resp: 941423
Ion Ratio Lower Upper
276 100
138 17.6 20.2 30.4#
277 25.1 20.2 30.2





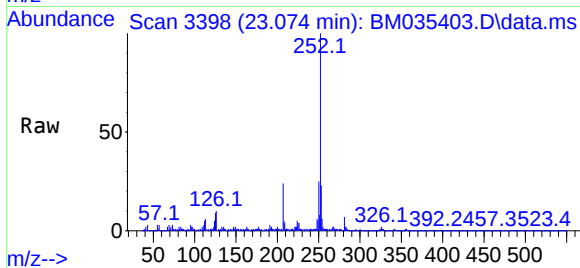
#88
Benzo(b)fluoranthene
Concen: 22.215 ng
RT: 23.074 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Instrument :

BNA_M

ClientSampleId :

OR-2-060122

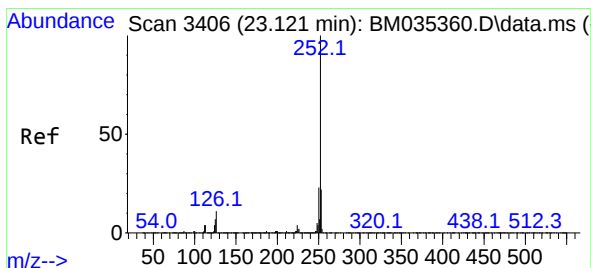
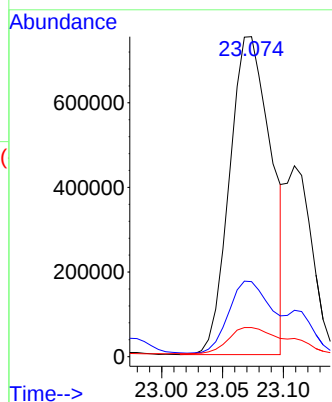
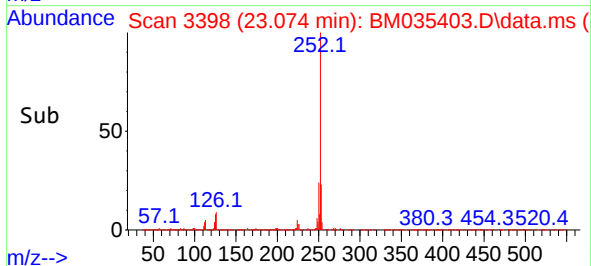


Tgt Ion:252 Resp: 1783372
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 9.1 7.6 11.4

Manual Integrations

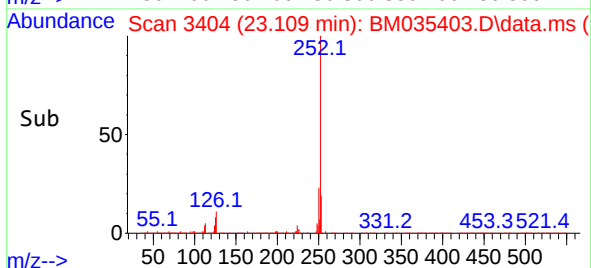
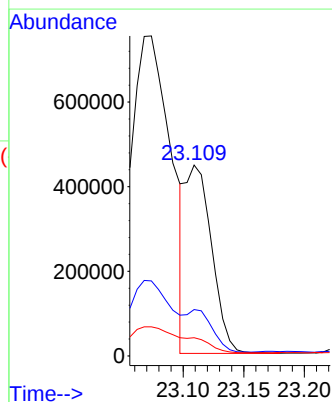
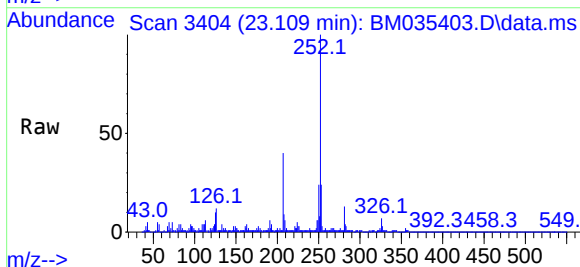
APPROVED

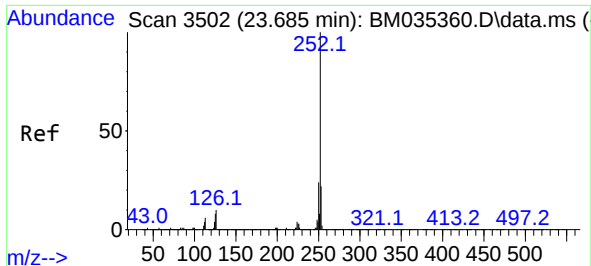
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#89
Benzo(k)fluoranthene
Concen: 8.166 ng m
RT: 23.109 min Scan# 3404
Delta R.T. -0.012 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Tgt Ion:252 Resp: 670845
Ion Ratio Lower Upper
252 100
253 24.3 17.5 26.3
125 9.6 7.6 11.4





#90
Benzo(a)pyrene
Concen: 20.761 ng
RT: 23.680 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Instrument :

BNA_M

ClientSampleId :

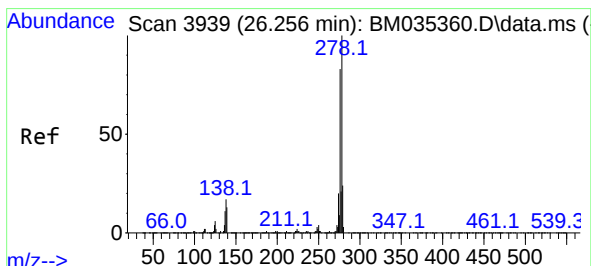
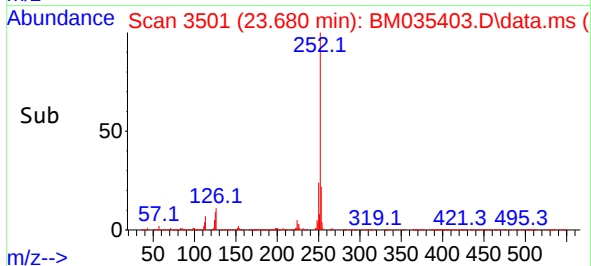
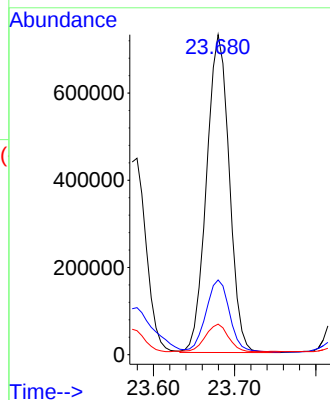
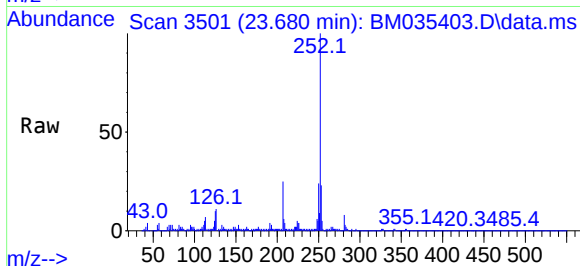
OR-2-060122

Tgt Ion:252 Resp: 1419015
Ion Ratio Lower Upper
252 100
253 23.4 17.2 25.8
125 9.6 8.7 13.1

Manual Integrations

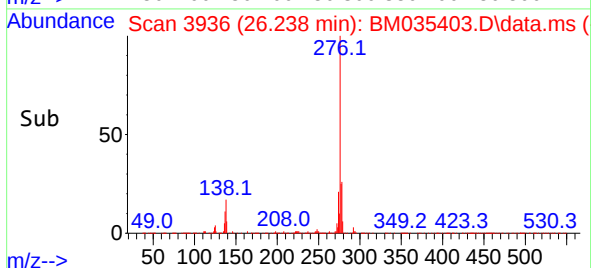
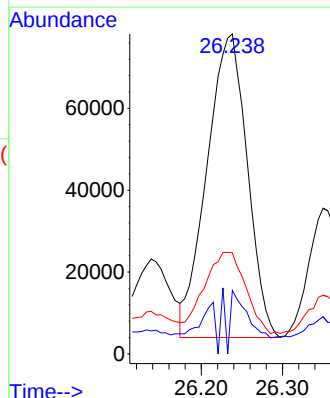
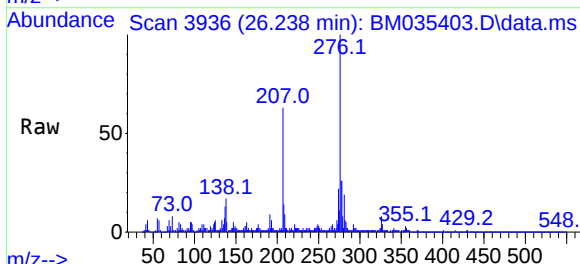
APPROVED

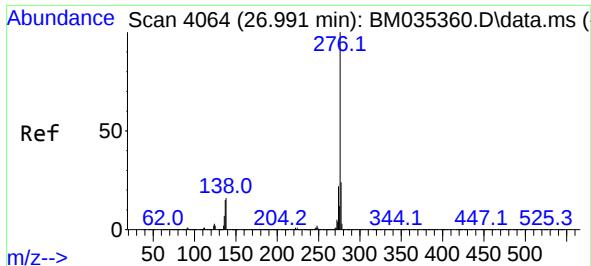
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#91
Dibenzo(a,h)anthracene
Concen: 3.320 ng
RT: 26.238 min Scan# 3936
Delta R.T. -0.018 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

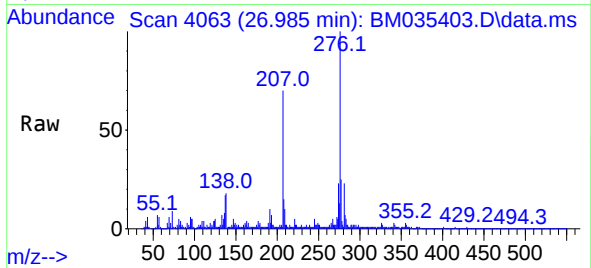
Tgt Ion:278 Resp: 256175
Ion Ratio Lower Upper
278 100
139 19.9 12.9 19.3#
279 31.6 18.7 28.1#





#92
Benzo(g,h,i)perylene
Concen: 11.910 ng
RT: 26.985 min Scan# 4063
Delta R.T. -0.006 min
Lab File: BM035403.D
Acq: 03 Jun 2022 20:01

Instrument :
BNA_M
ClientSampleId :
OR-2-060122



Tgt Ion:276 Resp: 88654
Ion Ratio Lower Upper
276 100
277 24.8 18.7 28.1
138 17.6 17.6 26.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

