

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
 Data File : BM035401.D
 Acq On : 03 Jun 2022 18:47
 Operator : CG/JU
 Sample : N3139-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

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

Quant Time: Jun 04 00:46:17 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	182521	20.000	ng	0.00
21) Naphthalene-d8	10.651	136	668926	20.000	ng	# 0.00
39) Acenaphthene-d10	14.492	164	431050	20.000	ng	0.00
64) Phenanthrene-d10	17.239	188	934893	20.000	ng	0.00
76) Chrysene-d12	21.433	240	969050	20.000	ng	# 0.00
86) Perylene-d12	23.791	264	1159743	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.439	112	1192793	137.323	ng	0.00
7) Phenol-d6	7.039	99	1491724	125.727	ng	0.00
23) Nitrobenzene-d5	9.010	82	910327	86.411	ng	0.00
42) 2,4,6-Tribromophenol	15.986	330	835051	120.741	ng	0.00
45) 2-Fluorobiphenyl	13.115	172	2585312	86.143	ng	0.00
79) Terphenyl-d14	19.862	244	3965402	81.525	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.698	128	365910	11.290	ng	99
37) 2-Methylnaphthalene	12.316	142	155587m	6.362	ng	
38) 1-Methylnaphthalene	12.533	142	171230m	7.144	ng	
49) Acenaphthylene	14.210	152	305768	8.376	ng	97
52) Acenaphthene	14.557	154	455942	20.626	ng	98
55) Dibenzofuran	14.886	168	544210	14.334	ng	91
58) Fluorene	15.539	166	738602	24.900	ng	99
71) Phenanthrene	17.292	178	10583468	223.656	ng	97
72) Anthracene	17.374	178	2443453	51.830	ng	99
73) Carbazole	17.645	167	1216270	27.395	ng	97
74) Di-n-butylphthalate	18.209	149	232006	4.208	ng	# 97
75) Fluoranthene	19.309	202	14264702	249.721	ng	96
78) Pyrene	19.674	202	12857758	218.802	ng	93
81) Benzo(a)anthracene	21.415	228	8506579	142.977	ng	95
83) Chrysene	21.468	228	7660050	134.839	ng	94
87) Indeno(1,2,3-cd)pyrene	26.262	276	5816973	75.610	ng	# 92
88) Benzo(b)fluoranthene	23.091	252	11223146	168.015	ng	98
89) Benzo(k)fluoranthene	23.127	252	3688438m	53.960	ng	
90) Benzo(a)pyrene	23.697	252	8005509	140.760	ng	95
91) Dibenzo(a,h)anthracene	26.262	278	1648954m	25.679	ng	
92) Benzo(g,h,i)perylene	27.015	276	5411125	87.365	ng	94

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

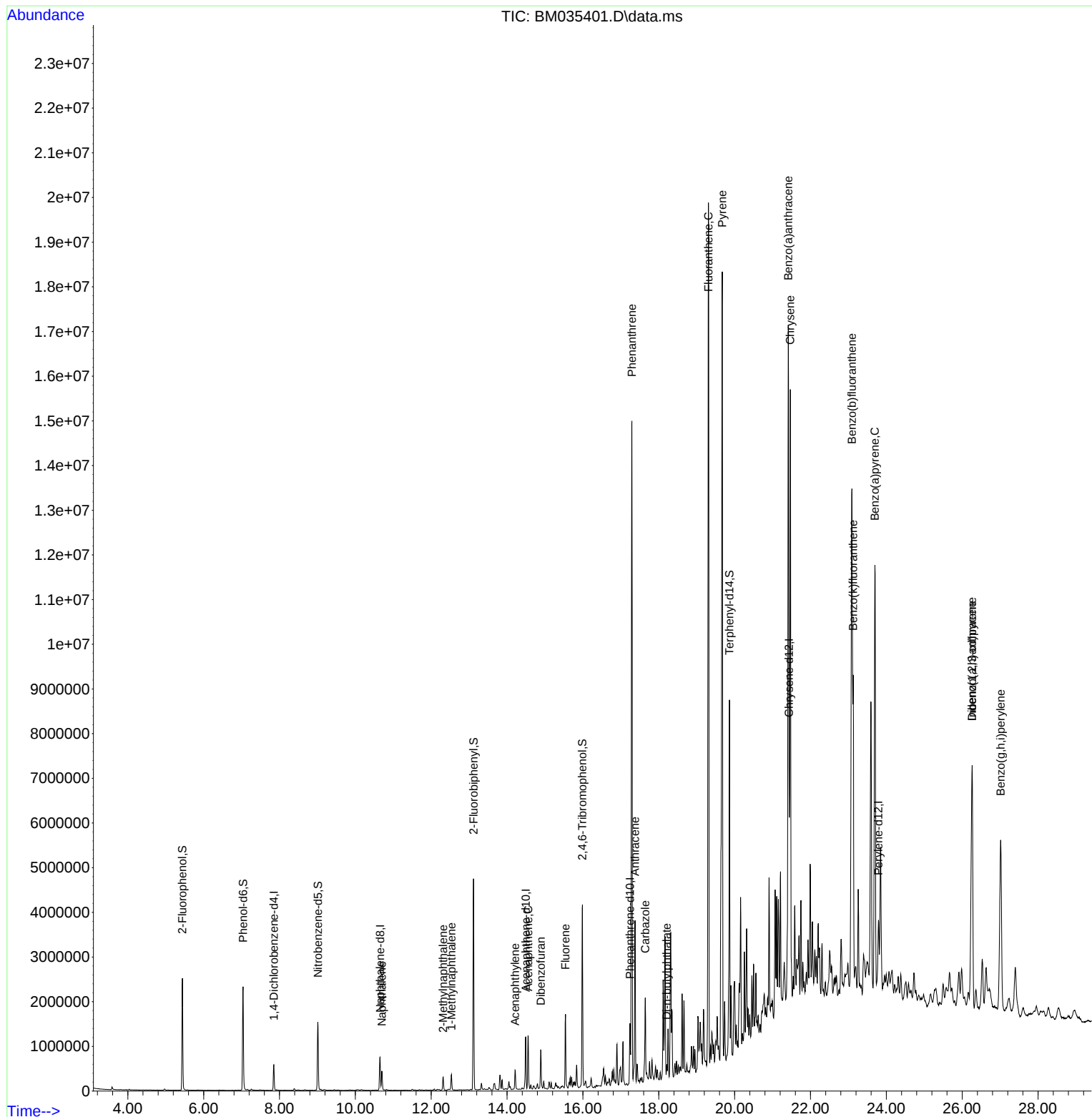
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM060322\
Data File : BM035401.D
Acq On : 03 Jun 2022 18:47
Operator : CG/JU
Sample : N3139-03
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ALS Vial : 16 Sample Multiplier: 1

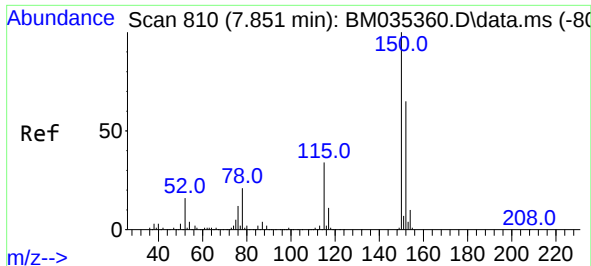
Instrument :
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Quant Time: Jun 04 00:46:17 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 02 16:16:23 2022
Response via : Initial Calibration

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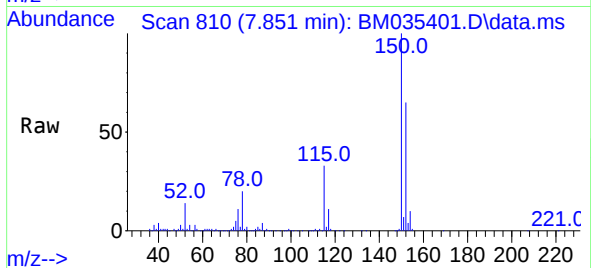
Reviewed By : Christian Giraldo 06/06/2022
Supervised By : Jagrut Upadhyay 06/06/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.851 min Scan# 810
Delta R.T. 0.000 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

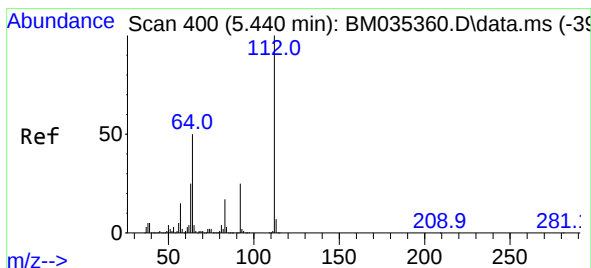
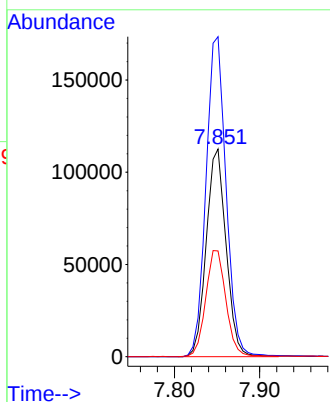
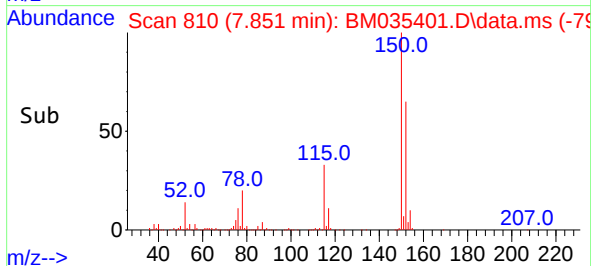
Instrument :
BNA_M
ClientSampleId :
COMP-3



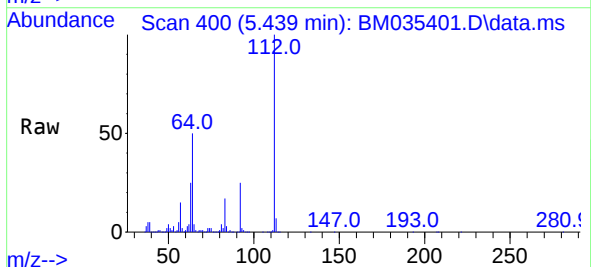
Tgt Ion:152 Resp: 18252
Ion Ratio Lower Upper
152 100
150 154.1 124.9 187.3
115 50.9 47.9 71.9

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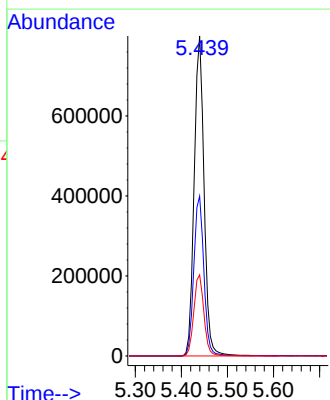
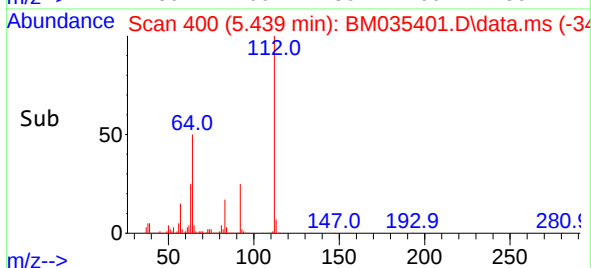
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

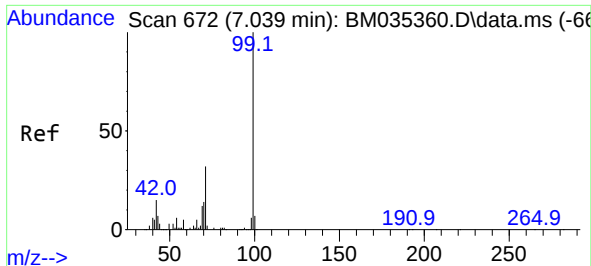


#5
2-Fluorophenol
Concen: 137.323 ng
RT: 5.439 min Scan# 400
Delta R.T. -0.000 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



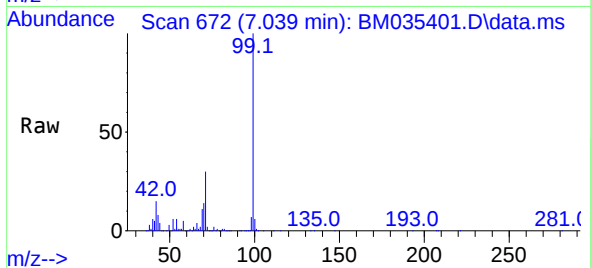
Tgt Ion:112 Resp: 1192793
Ion Ratio Lower Upper
112 100
64 49.9 47.8 71.6
63 25.3 26.6 40.0#





#7
Phenol-d6
Concen: 125.727 ng
RT: 7.039 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

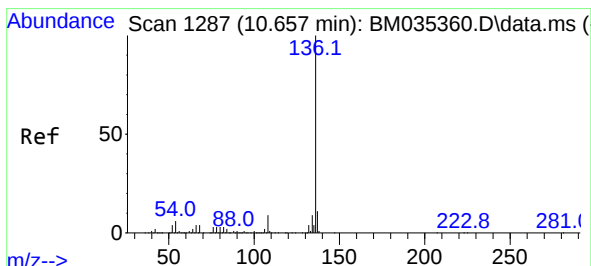
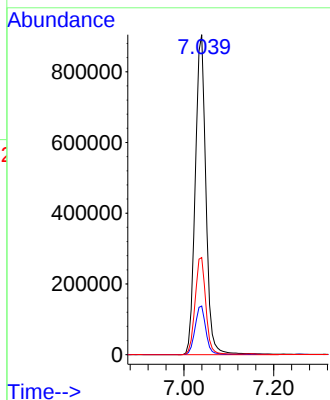
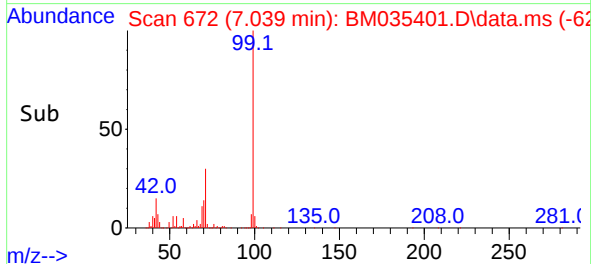
Instrument :
BNA_M
ClientSampleId :
COMP-3



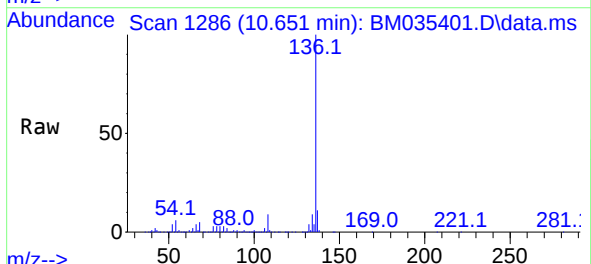
Tgt Ion: 99 Resp: 1491724
Ion Ratio Lower Upper
99 100
42 15.2 18.8 28.2
71 30.3 30.2 45.2

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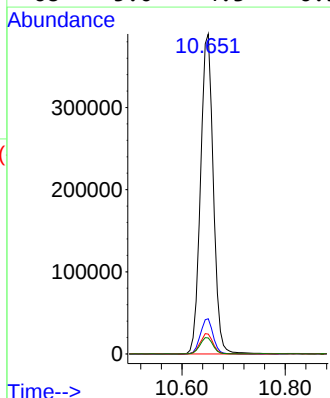
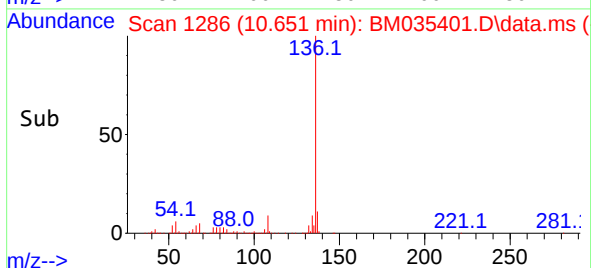
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

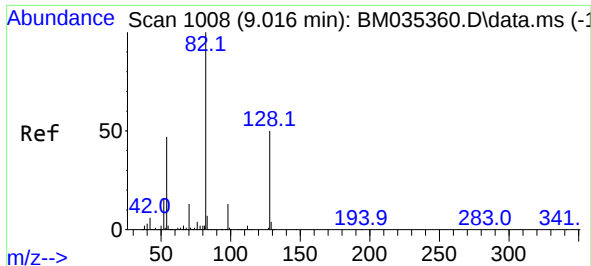


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.651 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



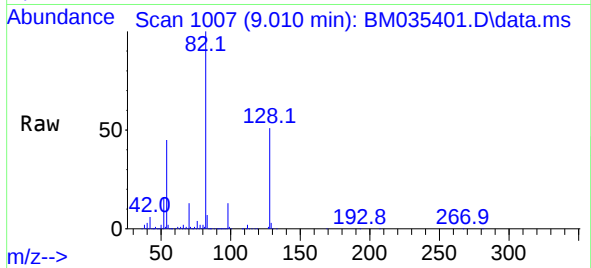
Tgt Ion:136 Resp: 668926
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 6.2 7.0 10.4
68 5.0 4.3 6.5





#23
Nitrobenzene-d5
Concen: 86.411 ng
RT: 9.010 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

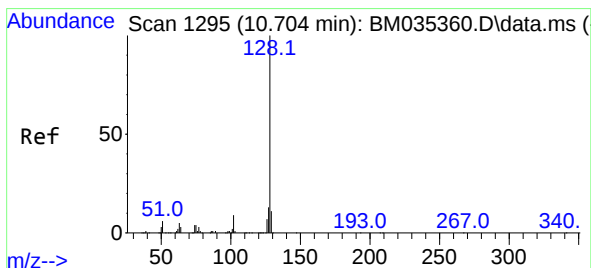
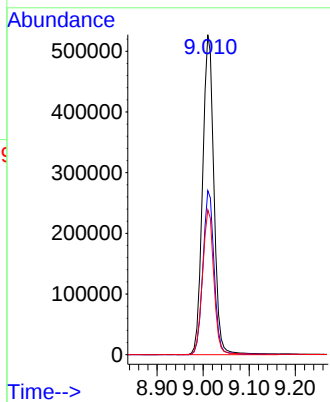
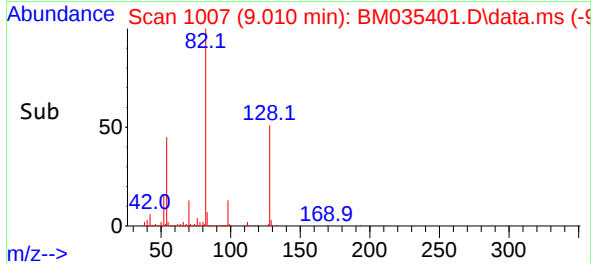
Instrument :
BNA_M
ClientSampleId :
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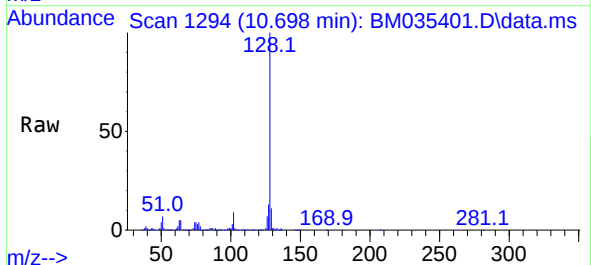
Tgt Ion: 82 Resp: 91032
Ion Ratio Lower Upper
82 100
128 51.2 33.7 50.5
54 45.2 43.2 64.8

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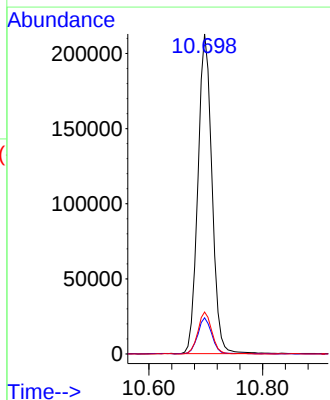
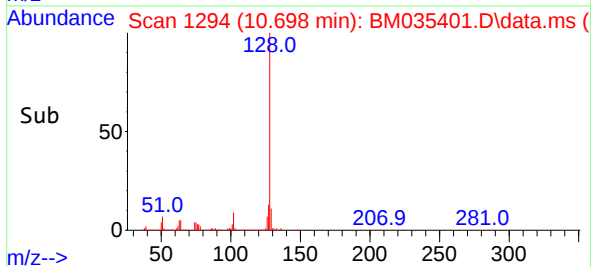
Reviewed By :Christian Giraldo 06/06/2022
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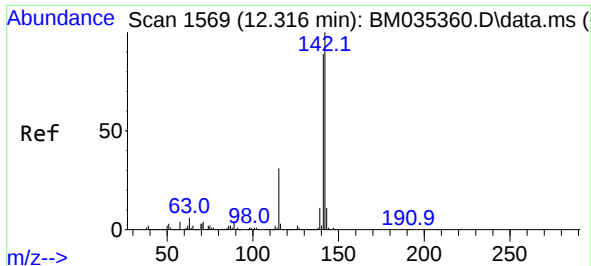


#31
Naphthalene
Concen: 11.290 ng
RT: 10.698 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



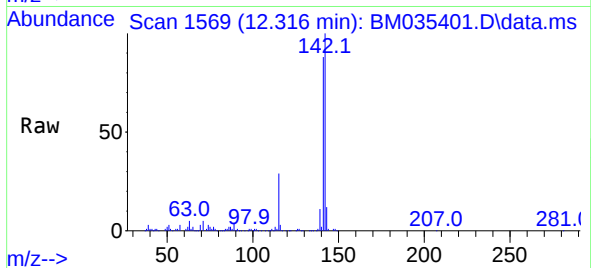
Tgt Ion:128 Resp: 365910
Ion Ratio Lower Upper
128 100
129 11.3 8.7 13.1
127 13.1 10.6 16.0





#37
2-Methylnaphthalene
Concen: 6.362 ng m
RT: 12.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

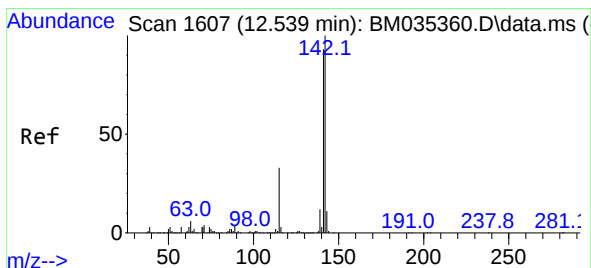
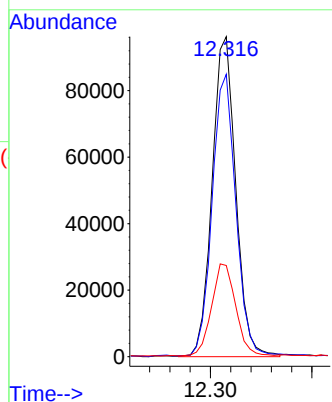
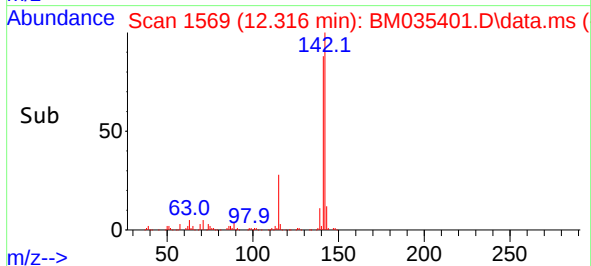
Instrument :
BNA_M
ClientSampleId :
COMP-3



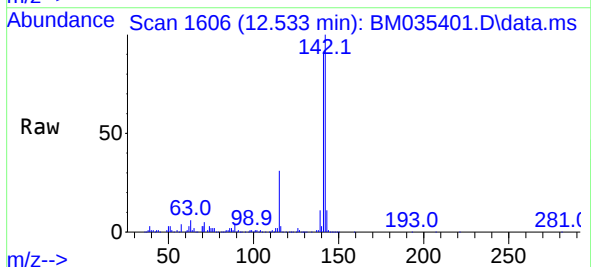
Tgt Ion:142 Resp: 15558
Ion Ratio Lower Upper
142 100
141 88.2 72.4 108.6
115 28.5 29.6 44.4

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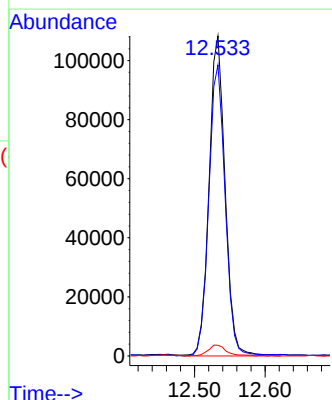
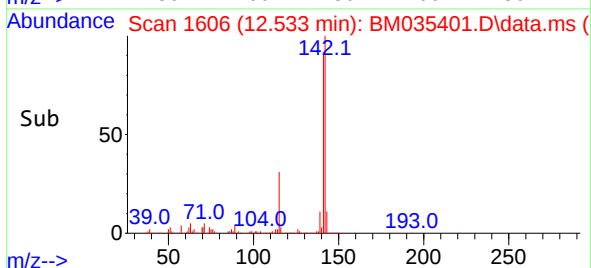
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

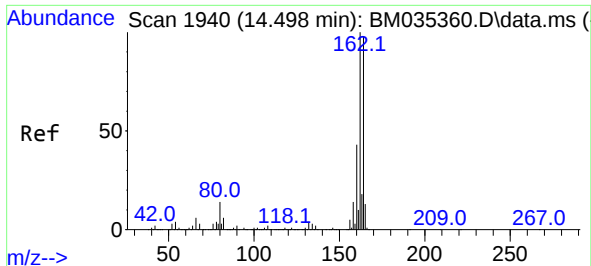


#38
1-Methylnaphthalene
Concen: 7.144 ng m
RT: 12.533 min Scan# 1606
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



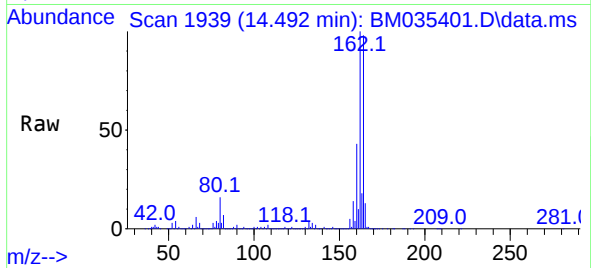
Tgt Ion:142 Resp: 171230
Ion Ratio Lower Upper
142 100
141 90.9 75.0 112.4
116 3.3 3.4 5.2





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.492 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

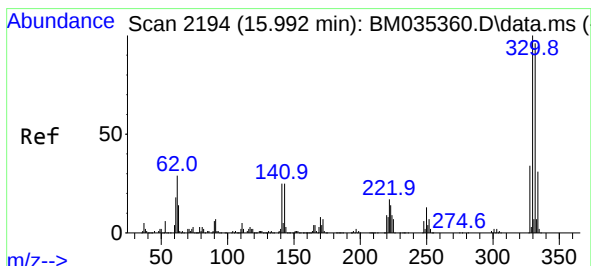
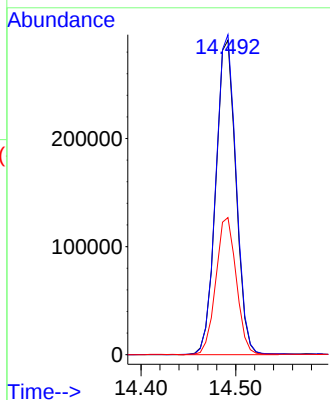
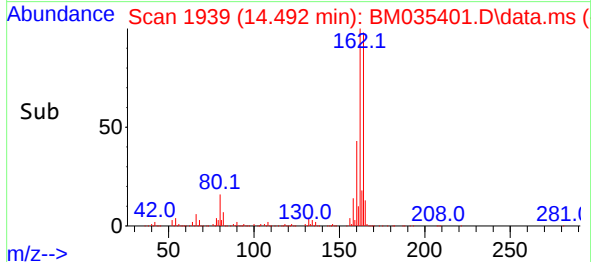
Instrument :
BNA_M
ClientSampleId :
COMP-3



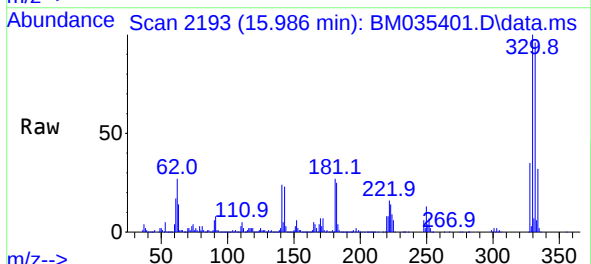
Tgt Ion:164 Resp: 431050
Ion Ratio Lower Upper
164 100
162 101.8 83.0 124.6
160 43.6 37.0 55.4

Manual Integrations
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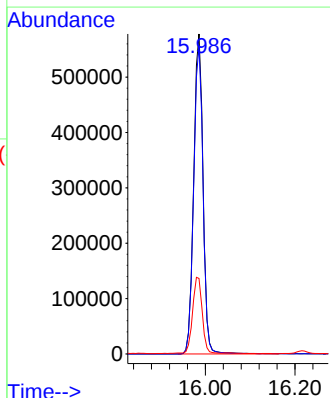
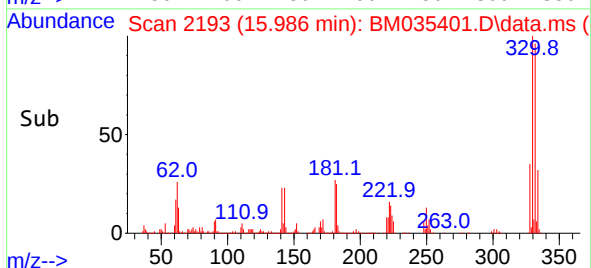
Reviewed By :Christian Giraldo 06/06/2022
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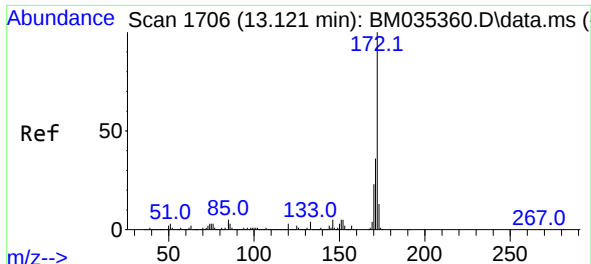


#42
2,4,6-Tribromophenol
Concen: 120.741 ng
RT: 15.986 min Scan# 2193
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



Tgt Ion:330 Resp: 835051
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.4
141 24.9 35.3 52.9#





#45
2-Fluorobiphenyl
Concen: 86.143 ng
RT: 13.115 min Scan# 1705
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

Instrument :

BNA_M

ClientSampleId :

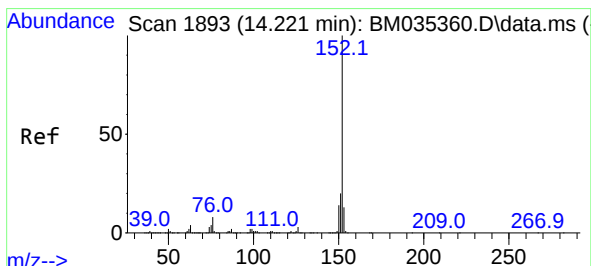
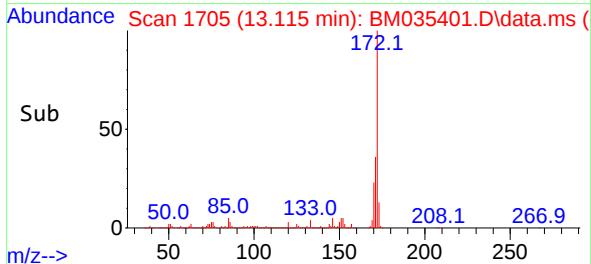
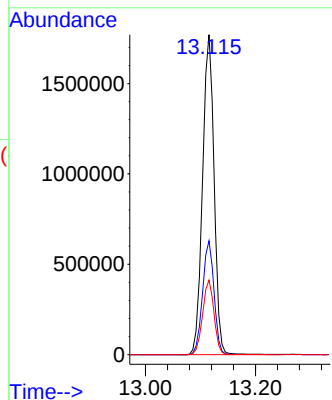
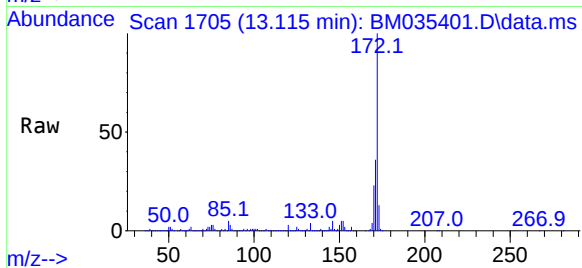
COMP-3

Tgt Ion:172 Resp: 258531
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.3 18.7 28.1

Manual Integrations

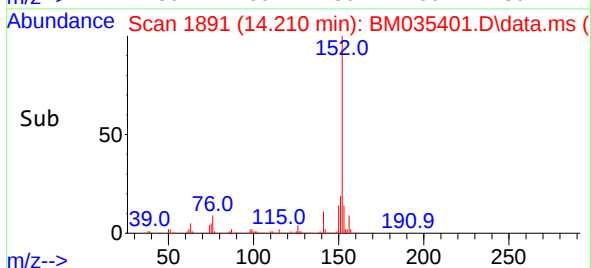
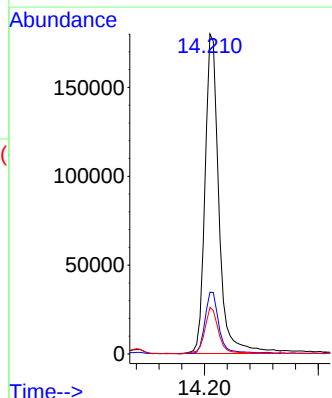
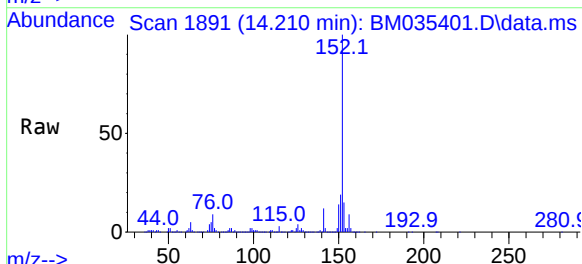
APPROVED

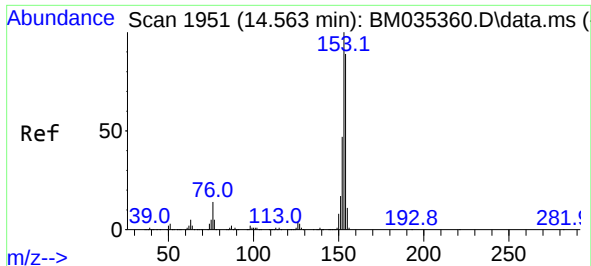
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#49
Acenaphthylene
Concen: 8.376 ng
RT: 14.210 min Scan# 1891
Delta R.T. -0.012 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

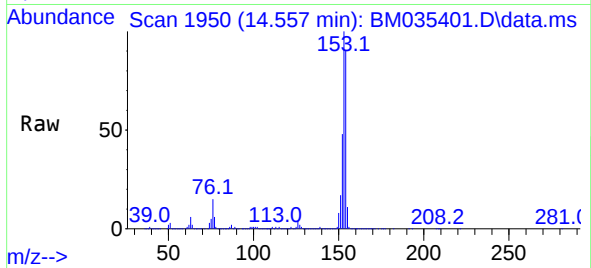
Tgt Ion:152 Resp: 305768
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.2
153 14.5 10.5 15.7





#52
Acenaphthene
Concen: 20.626 ng
RT: 14.557 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

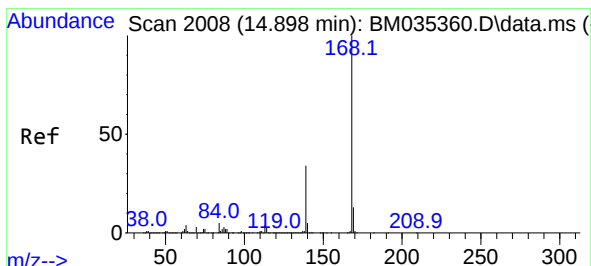
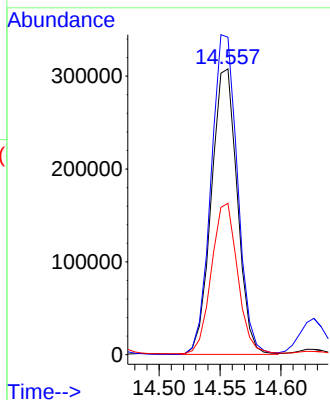
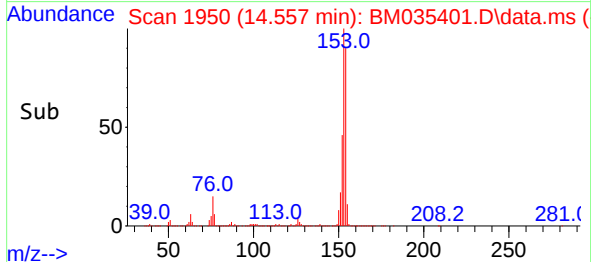
Instrument :
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COMP-3



Tgt Ion:154 Resp: 45594
Ion Ratio Lower Upper
154 100
153 111.1 91.0 136.6
152 53.0 43.4 65.2

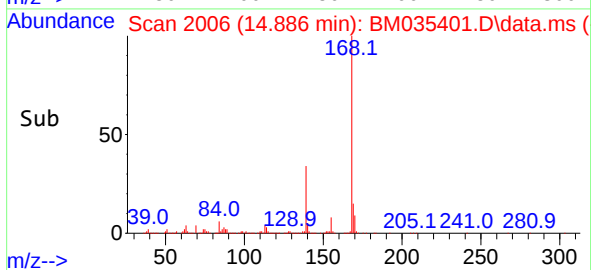
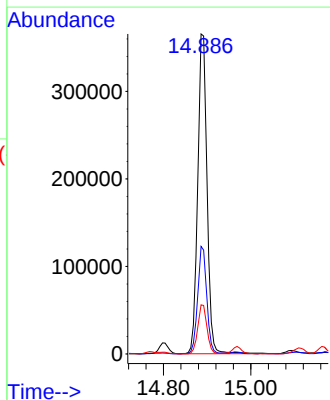
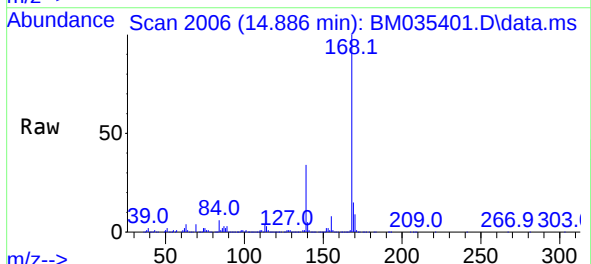
Manual Integrations
APPROVED

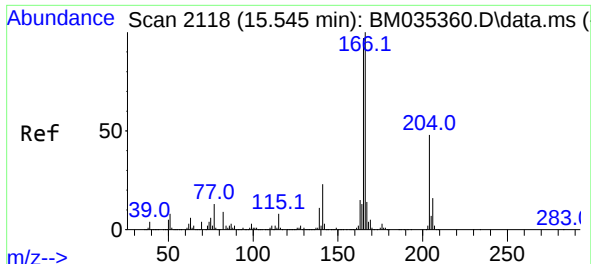
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#55
Dibenzofuran
Concen: 14.334 ng
RT: 14.886 min Scan# 2006
Delta R.T. -0.012 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

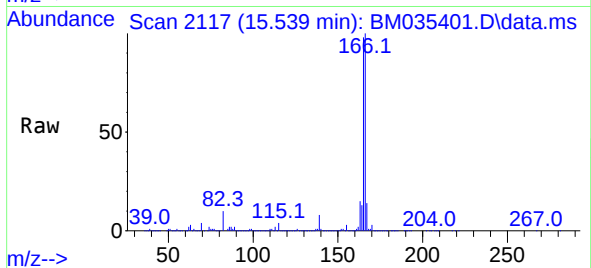
Tgt Ion:168 Resp: 544210
Ion Ratio Lower Upper
168 100
139 33.6 32.2 48.2
169 15.3 10.6 16.0





#58
Fluorene
Concen: 24.900 ng
RT: 15.539 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

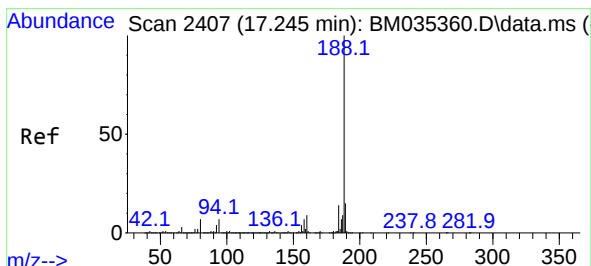
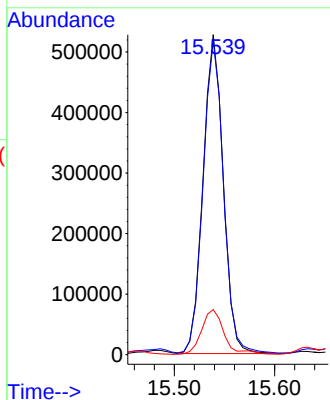
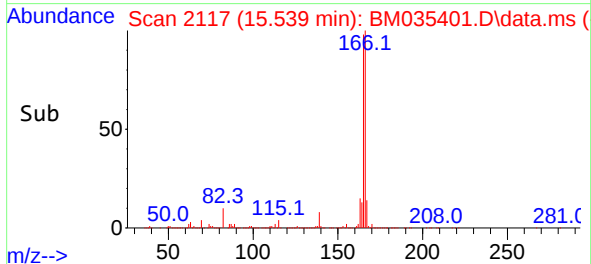
Instrument :
BNA_M
ClientSampleId :
COMP-3



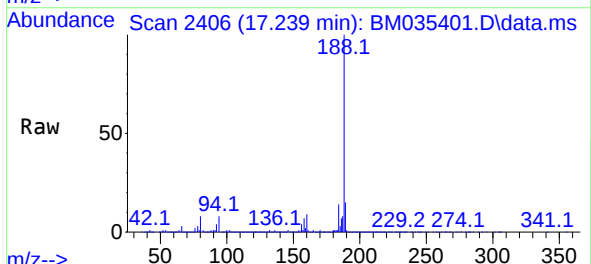
Tgt Ion:166 Resp: 738602
Ion Ratio Lower Upper
166 100
165 98.1 79.4 119.2
167 14.1 10.6 16.0

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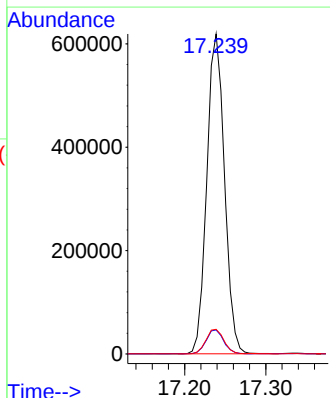
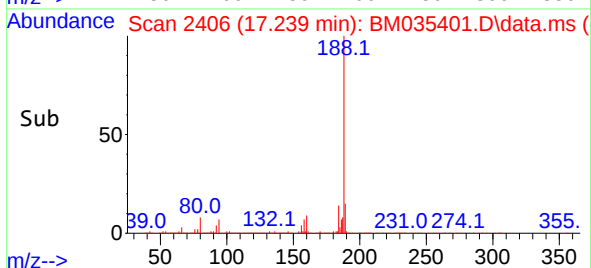
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

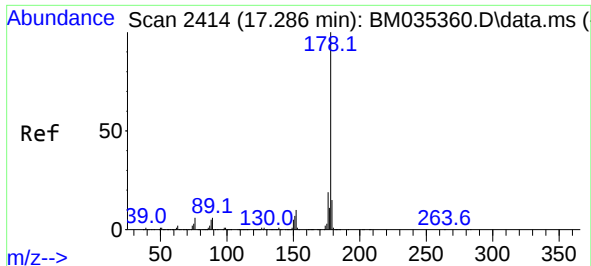


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.239 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



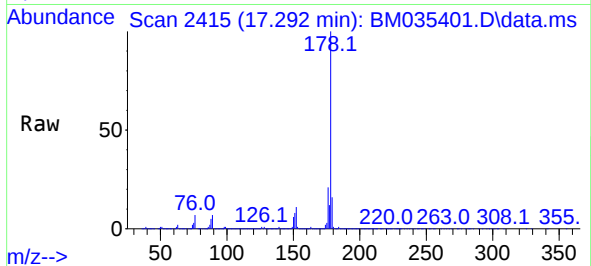
Tgt Ion:188 Resp: 934893
Ion Ratio Lower Upper
188 100
94 7.5 7.0 10.4
80 7.7 7.6 11.4





#71
Phenanthrene
Concen: 223.656 ng
RT: 17.292 min Scan# 2414
Delta R.T. 0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

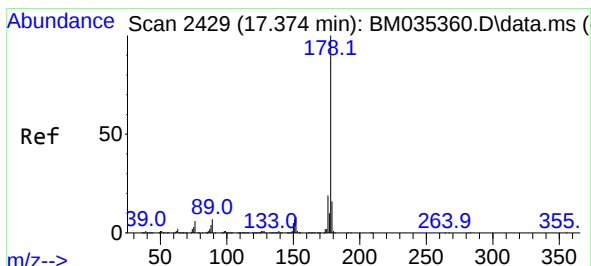
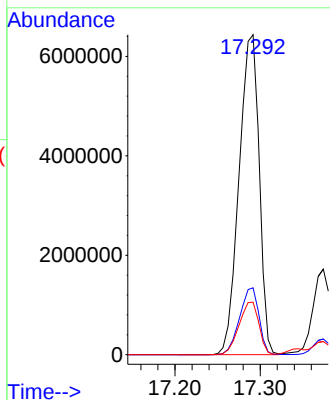
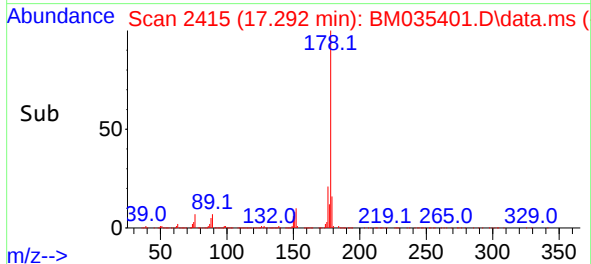
Instrument :
BNA_M
ClientSampleId :
COMP-3



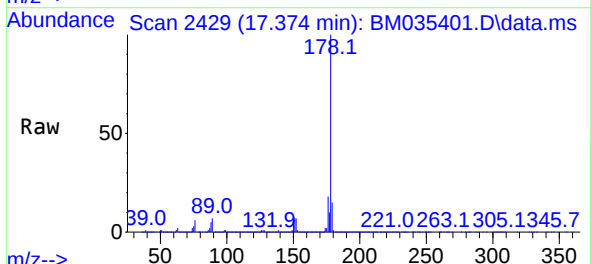
Tgt Ion:178 Resp:1058346
Ion Ratio Lower Upper
178 100
176 20.9 15.4 23.0
179 16.4 12.4 18.6

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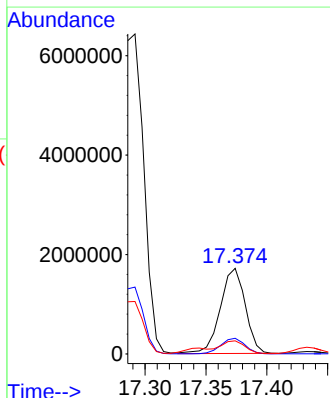
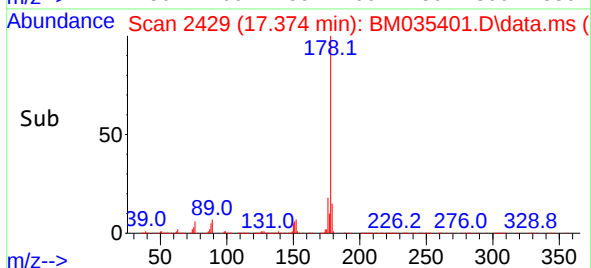
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

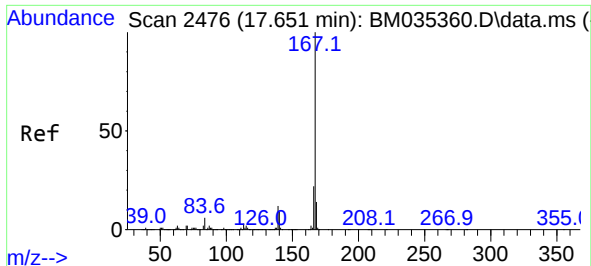


#72
Anthracene
Concen: 51.830 ng
RT: 17.374 min Scan# 2429
Delta R.T. -0.000 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



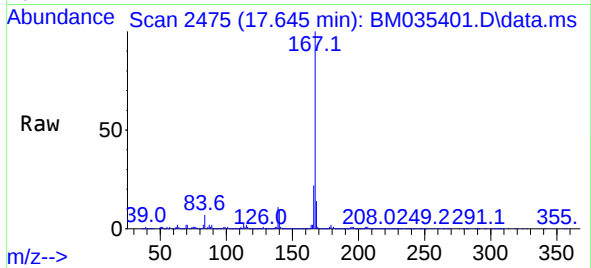
Tgt Ion:178 Resp: 2443453
Ion Ratio Lower Upper
178 100
176 18.4 15.0 22.4
179 15.4 12.2 18.2





#73
 Carbazole
 Concen: 27.395 ng
 RT: 17.645 min Scan# 2476
 Delta R.T. -0.006 min
 Lab File: BM035401.D
 Acq: 03 Jun 2022 18:47

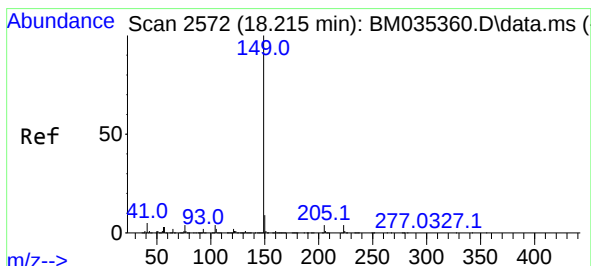
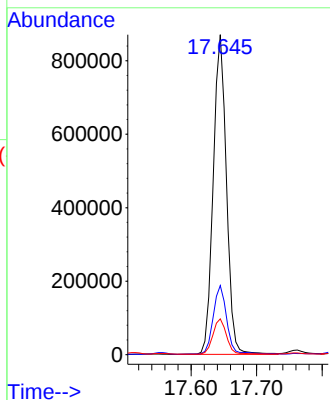
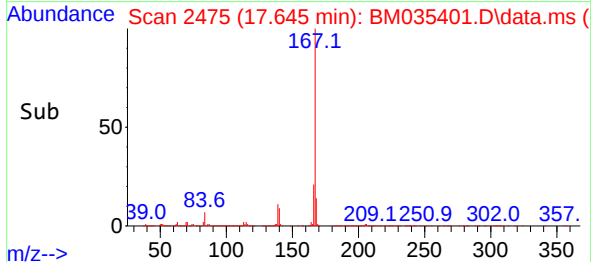
Instrument :
 BNA_M
 ClientSampleId :
 COMP-3



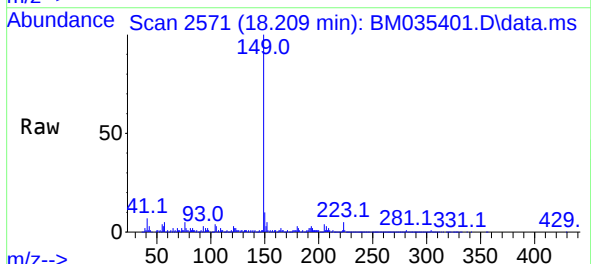
Tgt Ion:167 Resp: 1216270
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.8 26.8
 139 11.2 10.9 16.3

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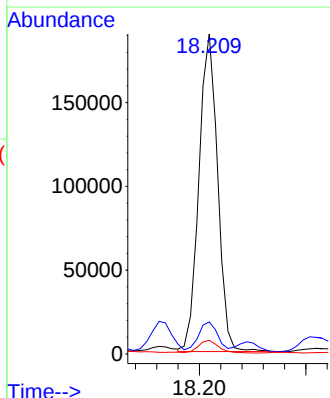
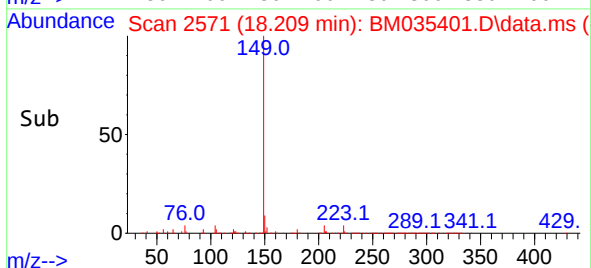
Reviewed By :Christian Giraldo 06/06/2022
 Supervised By :Jagrut Upadhyay 06/06/2022

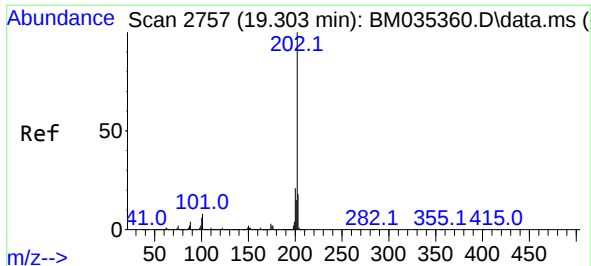


#74
 Di-n-butylphthalate
 Concen: 4.208 ng
 RT: 18.209 min Scan# 2571
 Delta R.T. -0.006 min
 Lab File: BM035401.D
 Acq: 03 Jun 2022 18:47



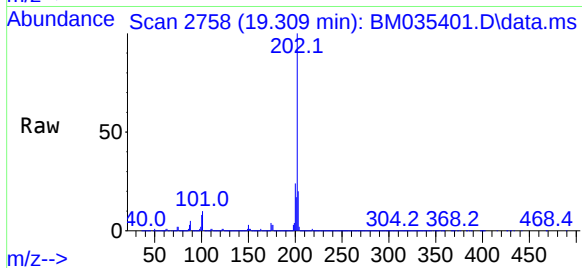
Tgt Ion:149 Resp: 232006
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.3 10.9
 104 4.2 4.3 6.5





#75
Fluoranthene
Concen: 249.721 ng
RT: 19.309 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

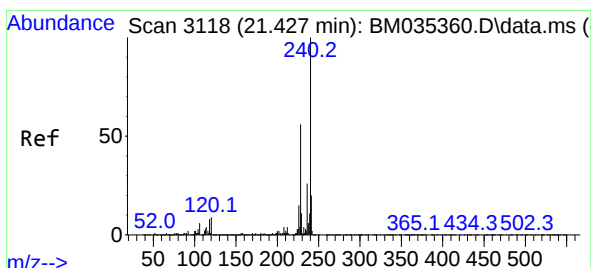
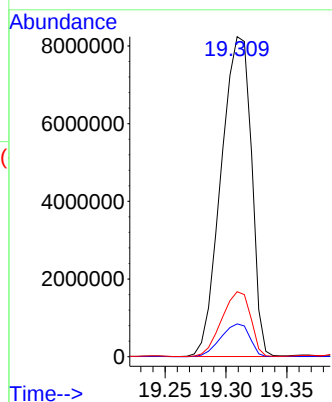
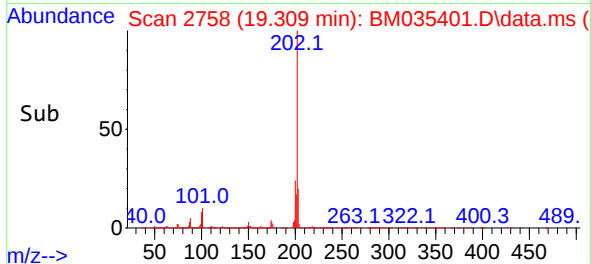
Instrument :
BNA_M
ClientSampleId :
COMP-3



Tgt Ion:202 Resp:1426470
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.6
203 20.3 0.0 37.4

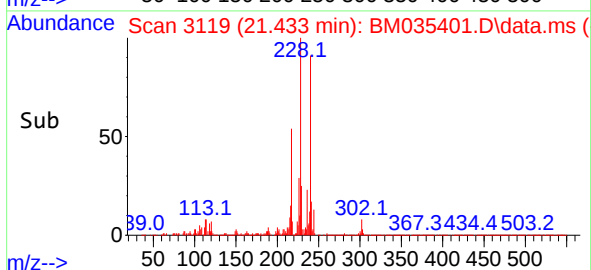
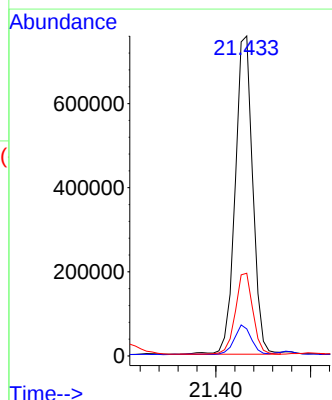
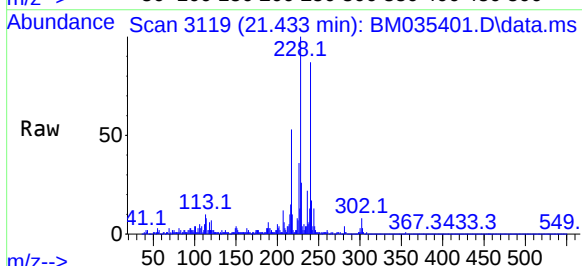
Manual Integrations
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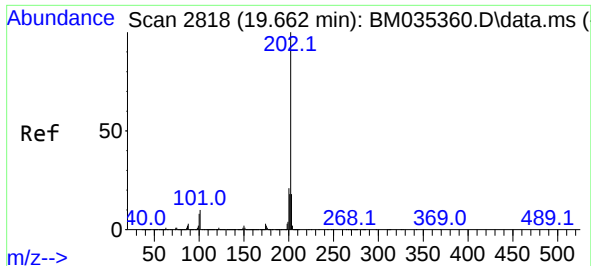
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.433 min Scan# 3119
Delta R.T. 0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

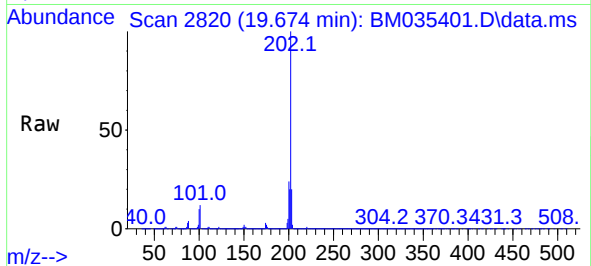
Tgt Ion:240 Resp: 969050
Ion Ratio Lower Upper
240 100
120 8.5 9.4 14.0#
236 25.9 20.6 30.8





#78
Pyrene
Concen: 218.802 ng
RT: 19.674 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

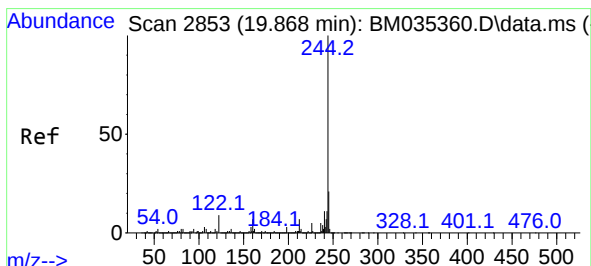
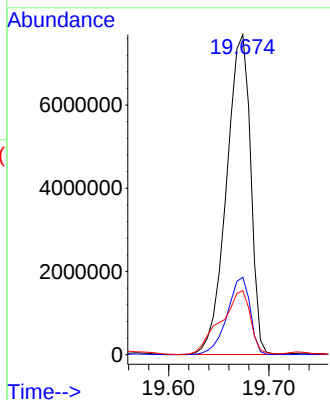
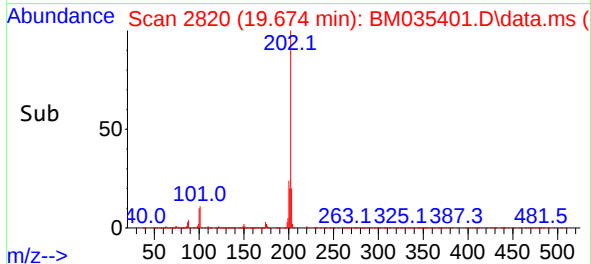
Instrument :
BNA_M
ClientSampleId :
COMP-3



Tgt Ion:202 Resp:12857758
Ion Ratio Lower Upper
202 100
200 24.2 16.7 25.1
203 20.0 13.9 20.9

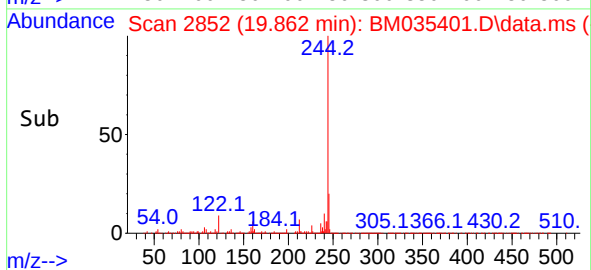
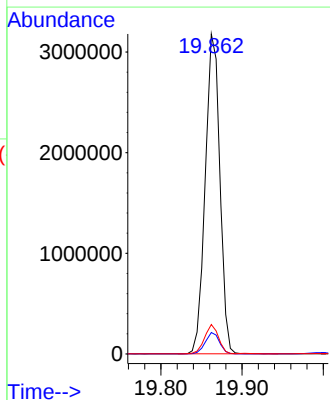
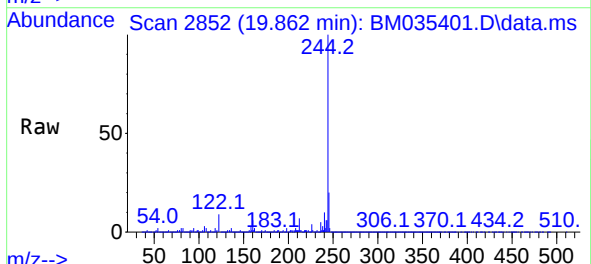
Manual Integrations
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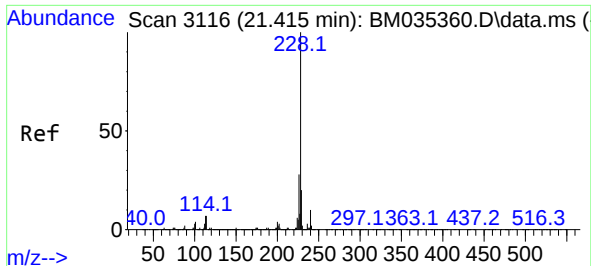
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#79
Terphenyl-d14
Concen: 81.525 ng
RT: 19.862 min Scan# 2852
Delta R.T. -0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

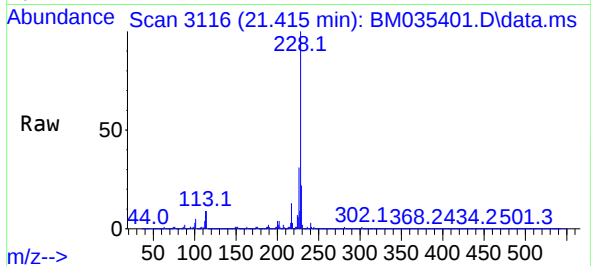
Tgt Ion:244 Resp: 3965402
Ion Ratio Lower Upper
244 100
212 6.7 6.2 9.4
122 9.2 8.3 12.5





#81
Benzo(a)anthracene
Concen: 142.977 ng
RT: 21.415 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

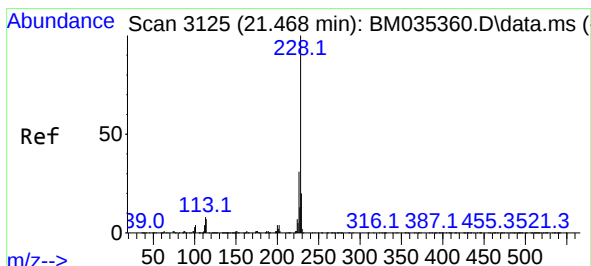
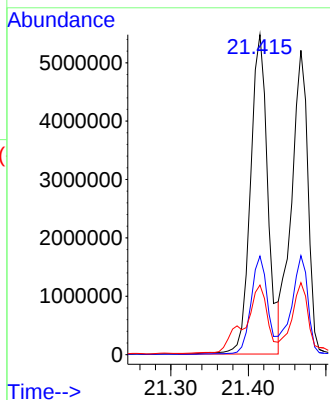
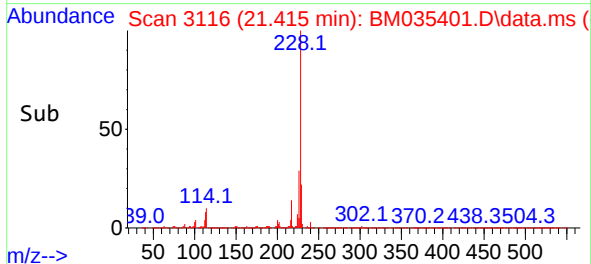
Instrument :
BNA_M
ClientSampleId :
COMP-3



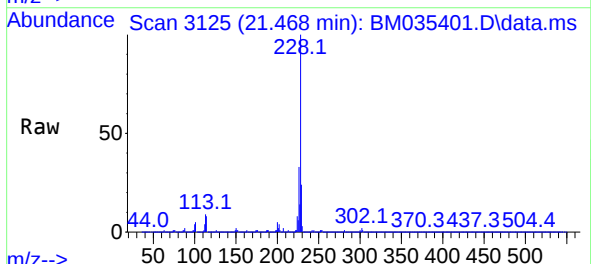
Tgt Ion:228 Resp: 8506579
Ion Ratio Lower Upper
228 100
226 30.8 22.3 33.5
229 21.8 15.8 23.6

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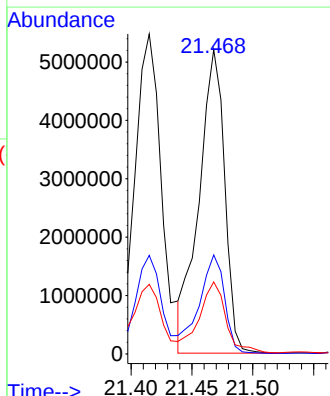
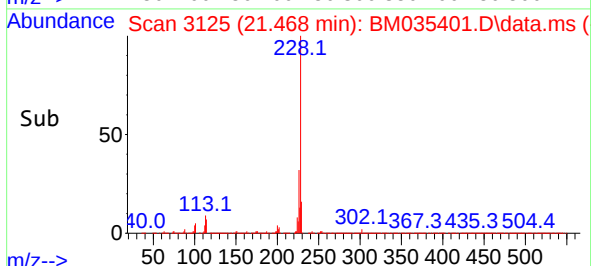
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

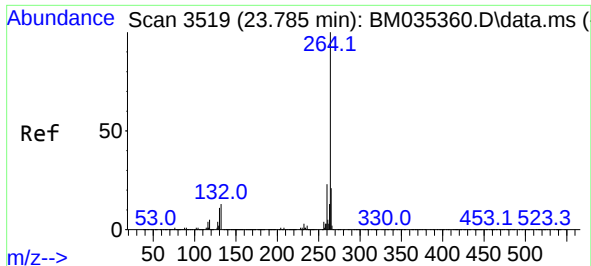


#83
Chrysene
Concen: 134.839 ng
RT: 21.468 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



Tgt Ion:228 Resp: 7660050
Ion Ratio Lower Upper
228 100
226 32.5 24.4 36.6
229 23.6 15.8 23.8





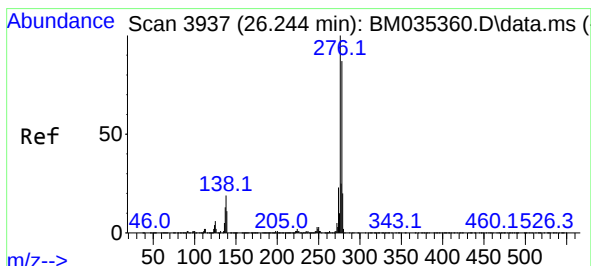
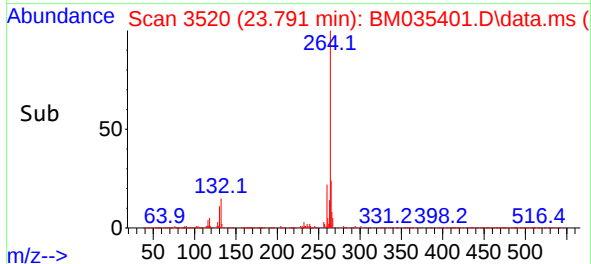
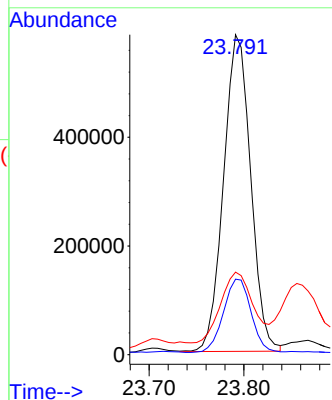
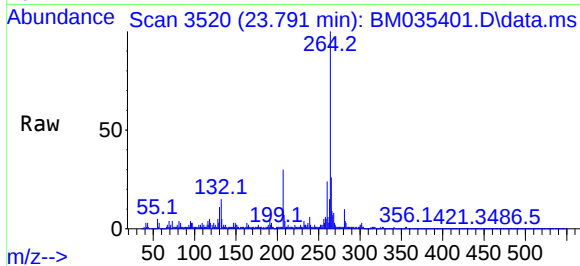
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.791 min Scan# 31
Delta R.T. 0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion:264 Resp: 115974
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 25.8 17.5 26.3

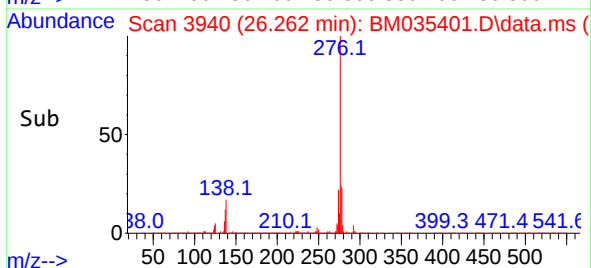
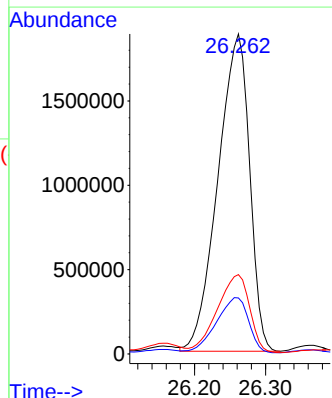
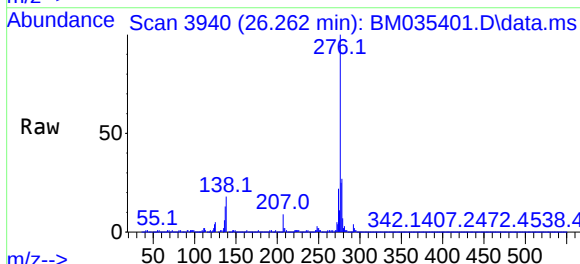
Manual Integrations
APPROVED

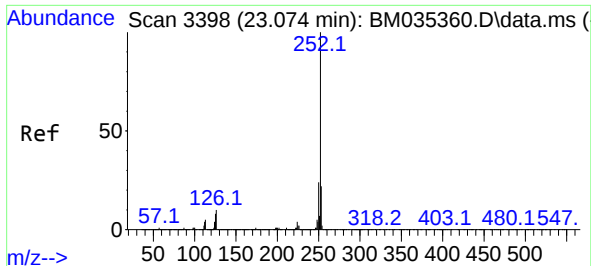
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 75.610 ng
RT: 26.262 min Scan# 3940
Delta R.T. 0.018 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

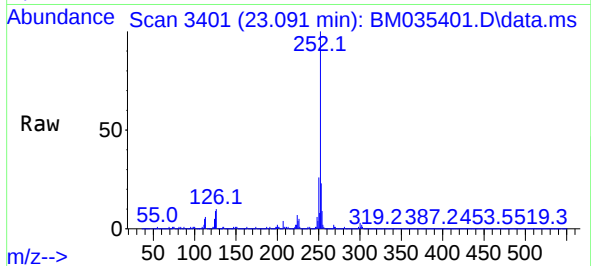
Tgt Ion:276 Resp: 5816973
Ion Ratio Lower Upper
276 100
138 17.8 20.2 30.4#
277 25.1 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 168.015 ng
RT: 23.091 min Scan# 3401
Delta R.T. 0.018 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

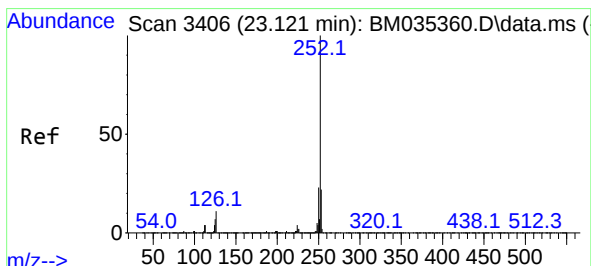
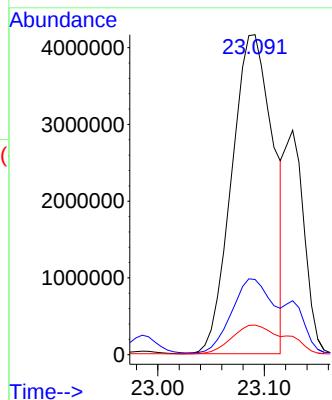
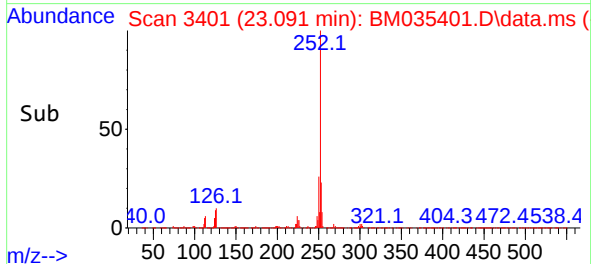
Instrument :
BNA_M
ClientSampleId :
COMP-3



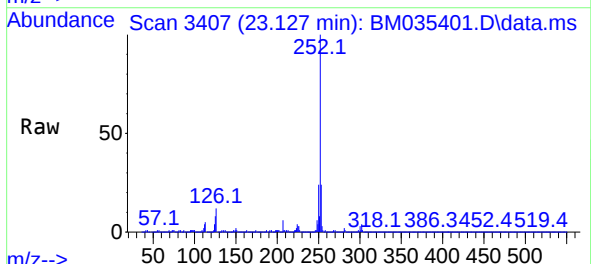
Tgt Ion:252 Resp:11223140
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 9.2 7.6 11.4

Manual Integrations
APPROVED

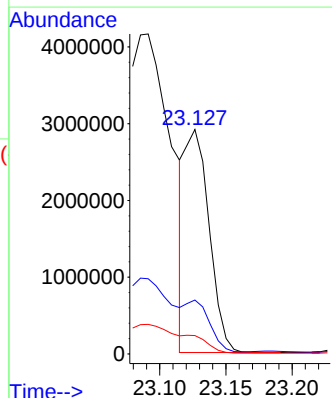
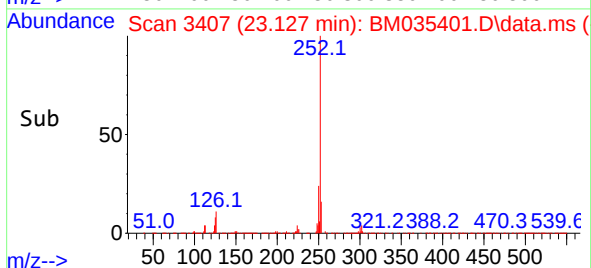
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022

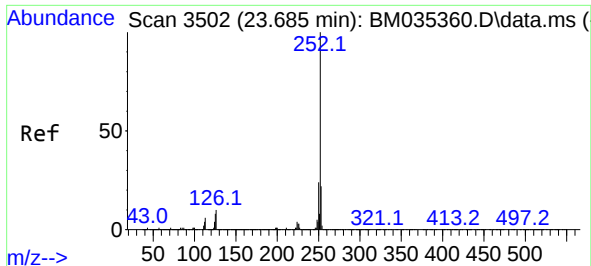


#89
Benzo(k)fluoranthene
Concen: 53.960 ng m
RT: 23.127 min Scan# 3407
Delta R.T. 0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47



Tgt Ion:252 Resp: 3688438
Ion Ratio Lower Upper
252 100
253 24.1 17.5 26.3
125 8.2 7.6 11.4





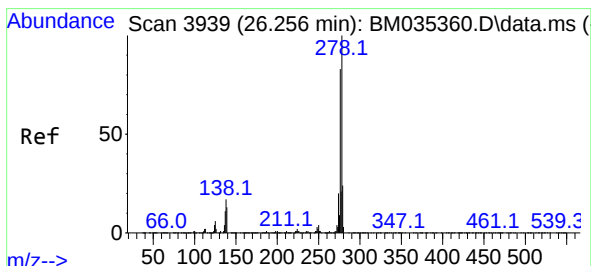
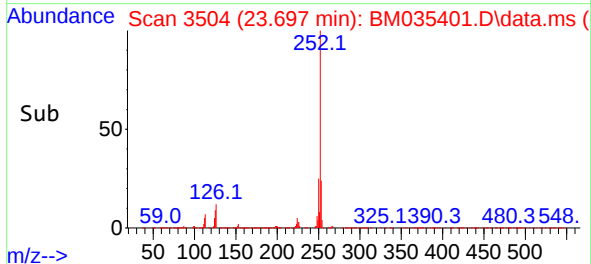
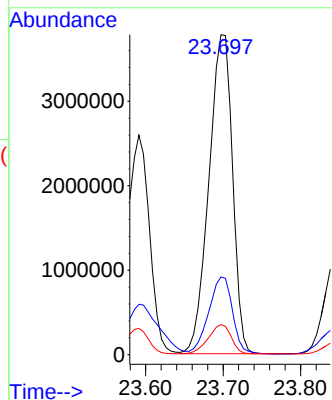
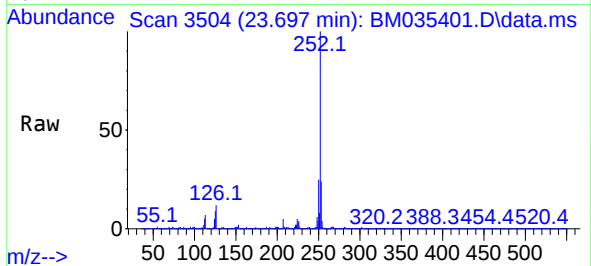
#90
Benzo(a)pyrene
Concen: 140.760 ng
RT: 23.697 min Scan# 3504
Delta R.T. 0.012 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

Instrument :
BNA_M
ClientSampleId :
COMP-3

Tgt Ion:252 Resp: 8005509
Ion Ratio Lower Upper
252 100
253 24.3 17.2 25.8
125 9.4 8.7 13.1

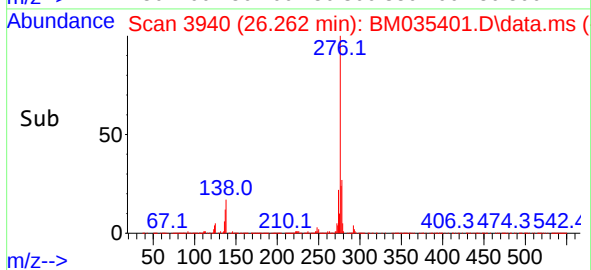
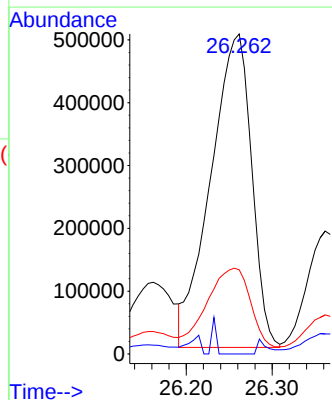
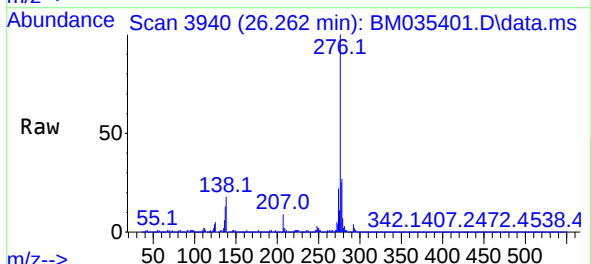
Manual Integrations
APPROVED

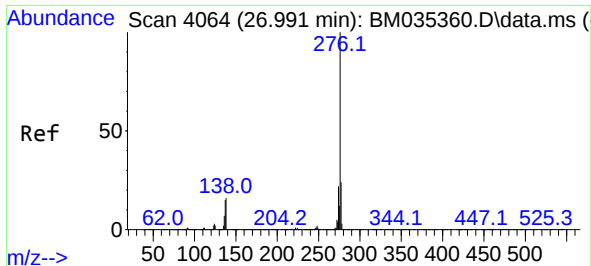
Reviewed By :Christian Giraldo 06/06/2022
Supervised By :Jagrut Upadhyay 06/06/2022



#91
Dibenzo(a,h)anthracene
Concen: 25.679 ng m
RT: 26.262 min Scan# 3940
Delta R.T. 0.006 min
Lab File: BM035401.D
Acq: 03 Jun 2022 18:47

Tgt Ion:278 Resp: 1648954
Ion Ratio Lower Upper
278 100
139 0.0 12.9 19.3#
279 26.3 18.7 28.1





#92

Benzo(g,h,i)perylene

Concen: 87.365 ng

RT: 27.015 min Scan# 4068

Delta R.T. 0.023 min

Lab File: BM035401.D

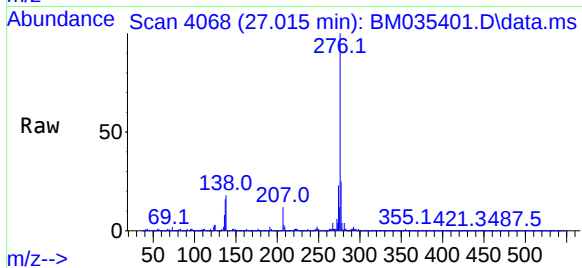
Acq: 03 Jun 2022 18:47

Instrument :

BNA_M

ClientSampleId :

COMP-3



Tgt Ion:276 Resp: 541112

Ion Ratio Lower Upper

276 100

277 24.7 18.7 28.1

138 17.9 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 06/06/2022

Supervised By :Jagrut Upadhyay 06/06/2022

