

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
 Data File : BM034367.D
 Acq On : 24 Mar 2022 18:03
 Operator : CG/JU
 Sample : N2084-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BLDG-3

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/25/2022
 Supervised By : Jagrut Upadhyay 03/25/2022

Quant Time: Mar 25 01:10:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 02:40:59 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	178442	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	646924	20.000	ng	# 0.00
39) Acenaphthene-d10	14.577	164	374379	20.000	ng	0.00
64) Phenanthrene-d10	17.318	188	702424	20.000	ng	0.00
76) Chrysene-d12	21.494	240	658323	20.000	ng	0.00
86) Perylene-d12	23.906	264	736810	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.501	112	1069638	107.536	ng	0.01
7) Phenol-d6	7.113	99	1280906	89.942	ng	0.01
23) Nitrobenzene-d5	9.113	82	921724	69.368	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	465878	92.323	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	1773722	64.741	ng	0.00
79) Terphenyl-d14	19.936	244	2402649	63.417	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	10.819	128	15708618	466.087	ng	# 94
37) 2-Methylnaphthalene	12.413	142	699789	29.098	ng	98
38) 1-Methylnaphthalene	12.630	142	368014	15.643	ng	99
52) Acenaphthene	14.642	154	56839	2.471	ng	94
58) Fluorene	15.624	166	119739	4.302	ng	99
71) Phenanthrene	17.359	178	851226	21.639	ng	100
72) Anthracene	17.454	178	143547	3.749	ng	100
75) Fluoranthene	19.371	202	530804	12.037	ng	97
78) Pyrene	19.736	202	635977	13.712	ng	99
81) Benzo(a)anthracene	21.477	228	247277	5.951	ng	98
83) Chrysene	21.530	228	255442	6.020	ng	98
87) Indeno(1,2,3-cd)pyrene	26.424	276	142784	3.012	ng	98
88) Benzo(b)fluoranthene	23.177	252	287037	6.515	ng	# 96
89) Benzo(k)fluoranthene	23.212	252	97885m	2.097	ng	
90) Benzo(a)pyrene	23.800	252	202527	5.422	ng	# 96
92) Benzo(g,h,i)perylene	27.194	276	161086	4.049	ng	98

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

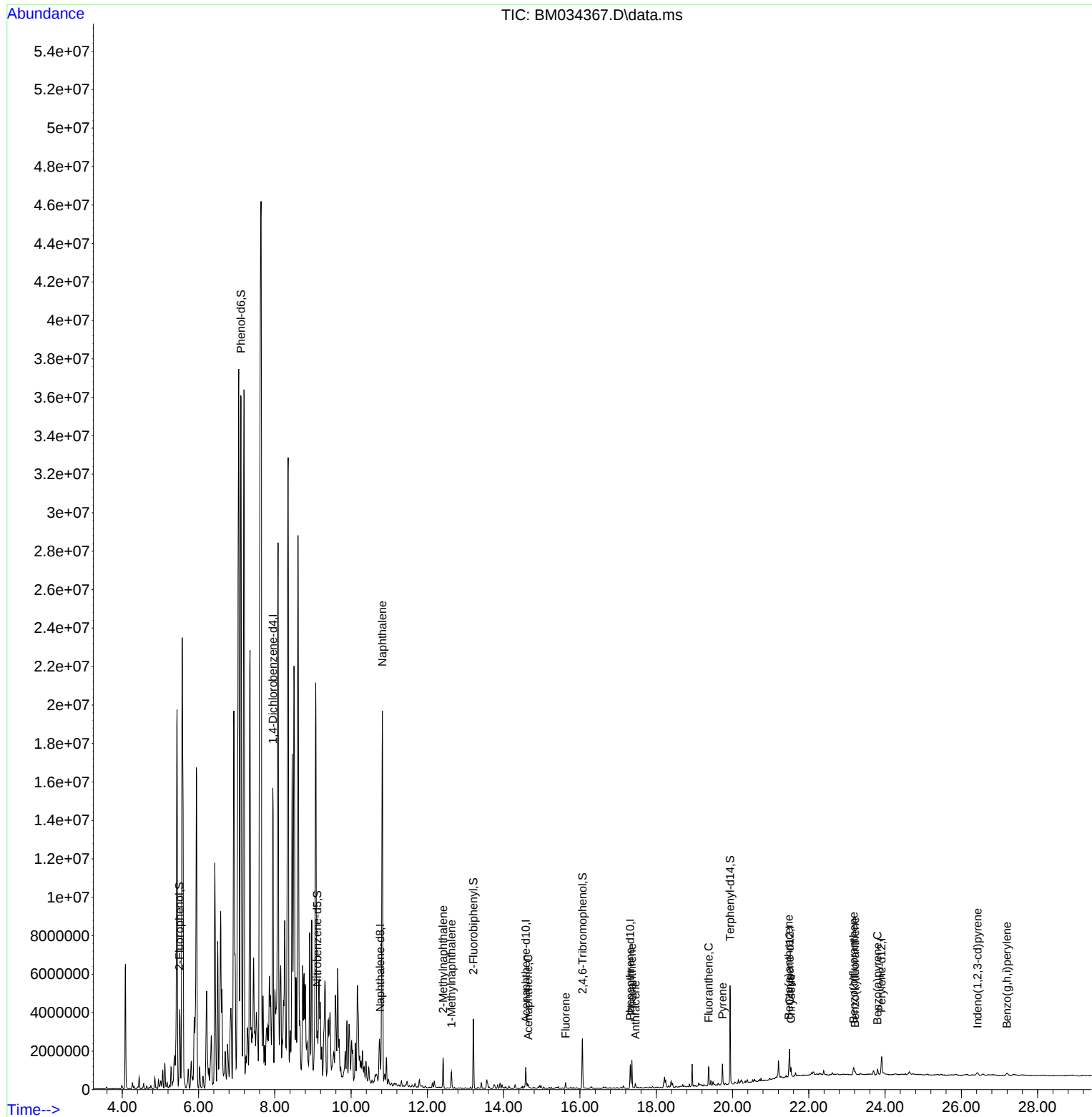
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
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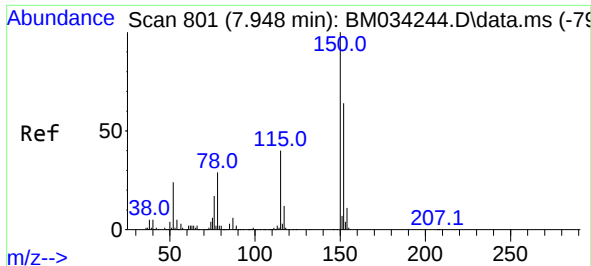
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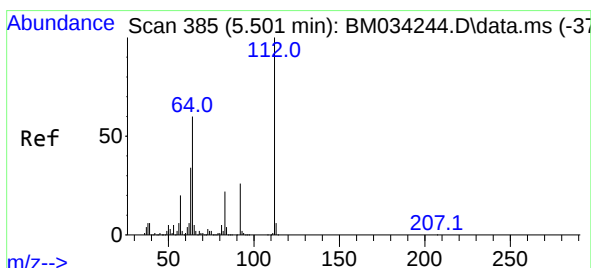
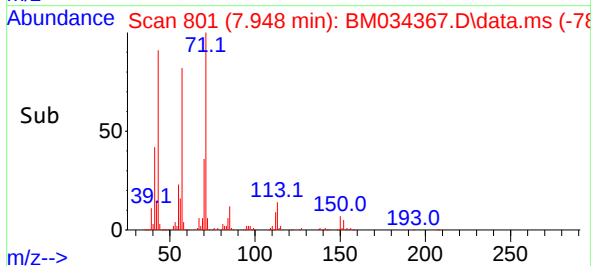
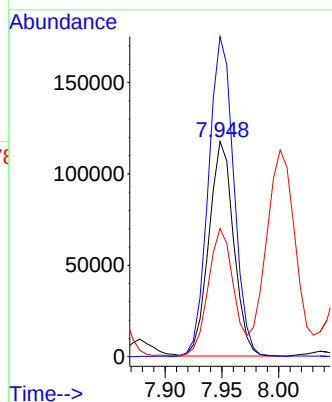
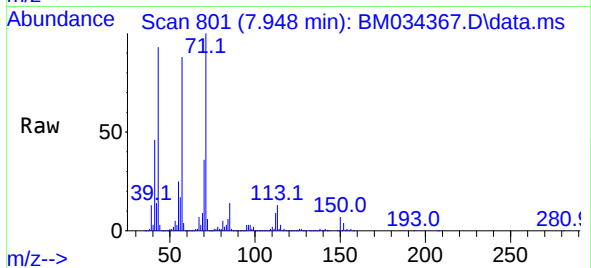
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.948 min Scan# 801
Delta R.T. 0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

Instrument :
BNA_M
ClientSampleId :
BLDG-3

Tgt Ion:152 Resp: 17844
Ion Ratio Lower Upper
152 100
150 148.7 125.4 188.2
115 59.6 50.1 75.1

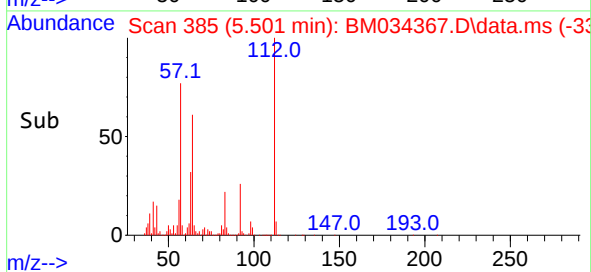
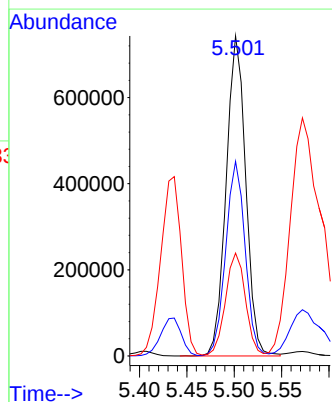
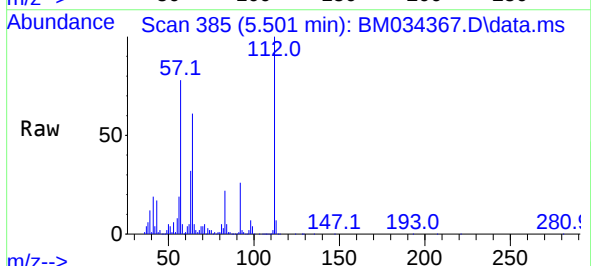
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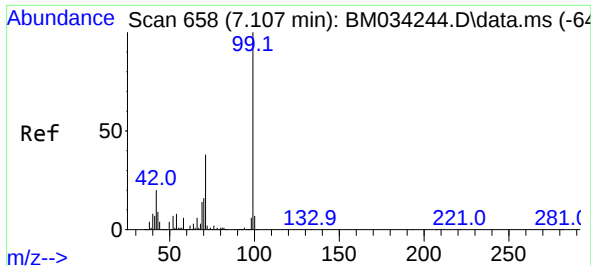
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#5
2-Fluorophenol
Concen: 107.536 ng
RT: 5.501 min Scan# 385
Delta R.T. 0.012 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

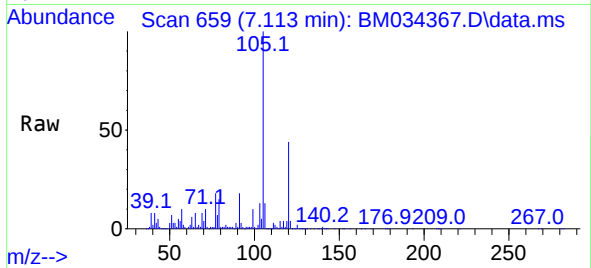
Tgt Ion:112 Resp: 1069638
Ion Ratio Lower Upper
112 100
64 60.8 47.9 71.9
63 32.2 27.1 40.7





#7
Phenol-d6
Concen: 89.942 ng
RT: 7.113 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

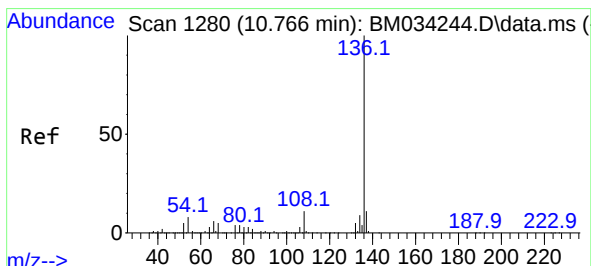
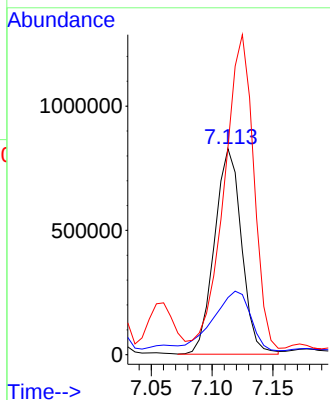
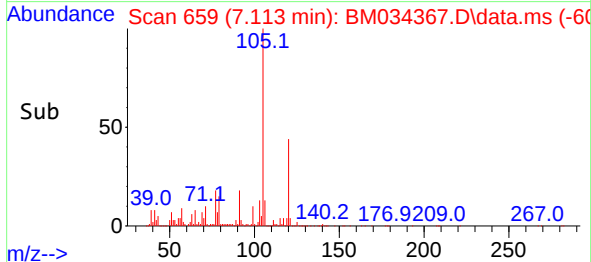
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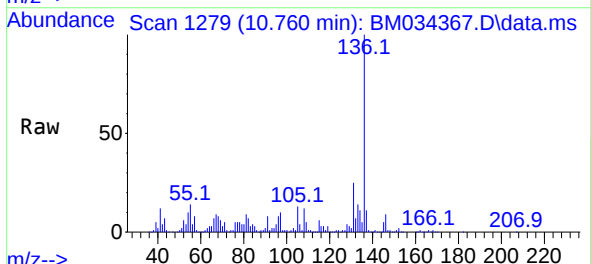
Tgt Ion: 99 Resp: 1280900
Ion Ratio Lower Upper
99 100
42 27.8 15.6 23.4#
71 100.8 30.6 46.0#

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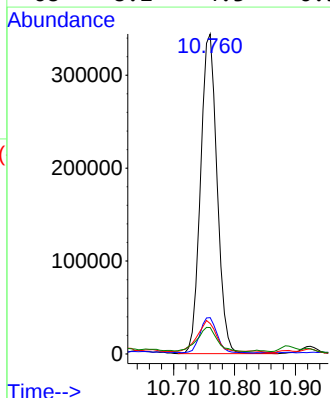
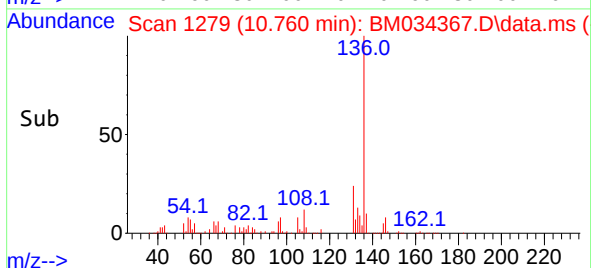
Reviewed By :Christian Giraldo 03/25/2022
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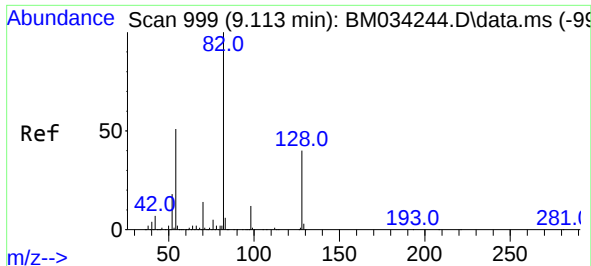


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 1279
Delta R.T. 0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



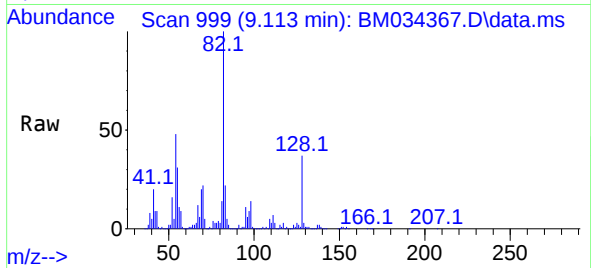
Tgt Ion:136 Resp: 646924
Ion Ratio Lower Upper
136 100
137 11.3 8.6 13.0
54 9.5 6.2 9.4#
68 8.2 4.3 6.5#





#23
Nitrobenzene-d5
Concen: 69.368 ng
RT: 9.113 min Scan# 999
Delta R.T. 0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

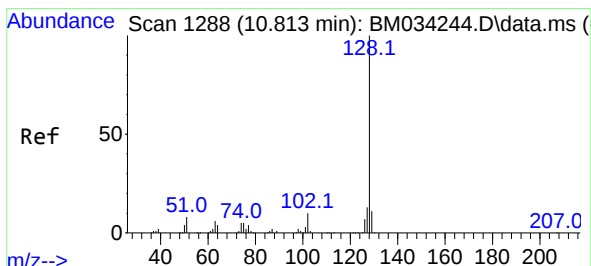
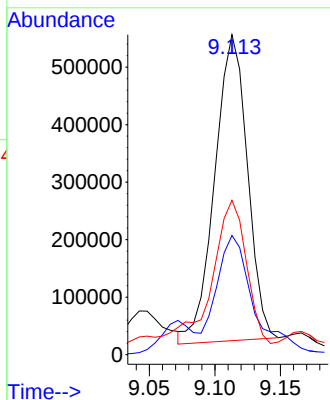
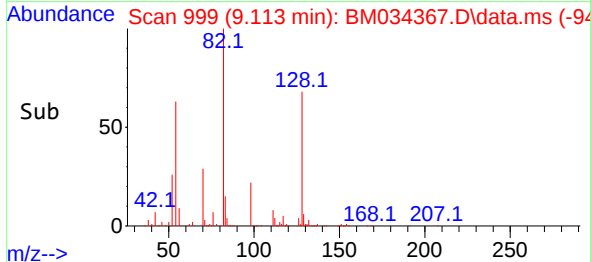
Instrument :
BNA_M
ClientSampleId :
BLDG-3



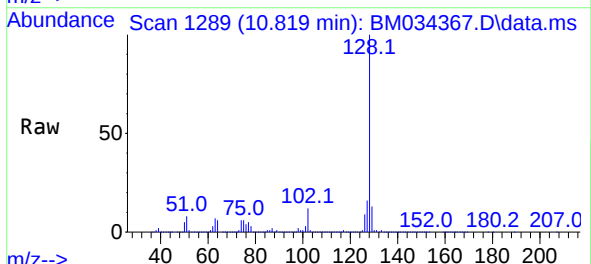
Tgt Ion: 82 Resp: 921724
Ion Ratio Lower Upper
82 100
128 37.3 31.9 47.9
54 48.3 40.6 61.0

Manual Integrations
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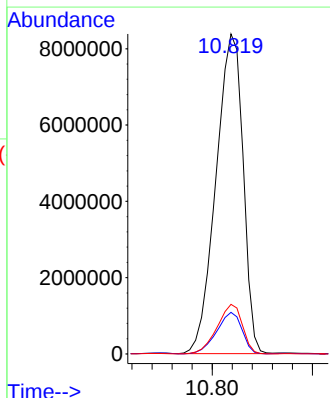
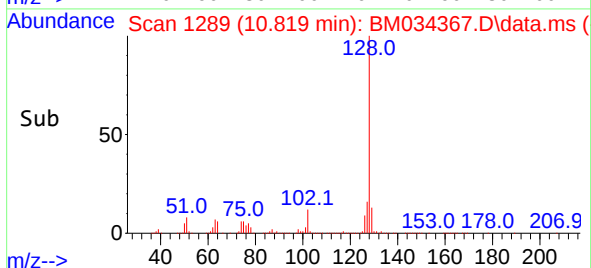
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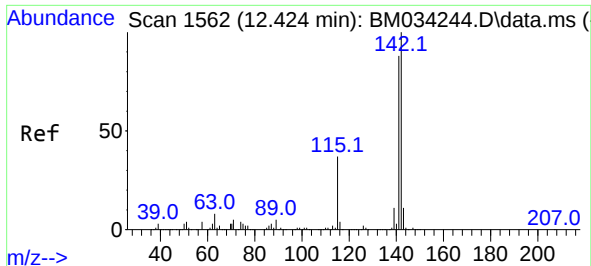


#31
Naphthalene
Concen: 466.087 ng
RT: 10.819 min Scan# 1289
Delta R.T. 0.018 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



Tgt Ion:128 Resp:15708618
Ion Ratio Lower Upper
128 100
129 13.0 8.8 13.2
127 15.5 10.2 15.4#





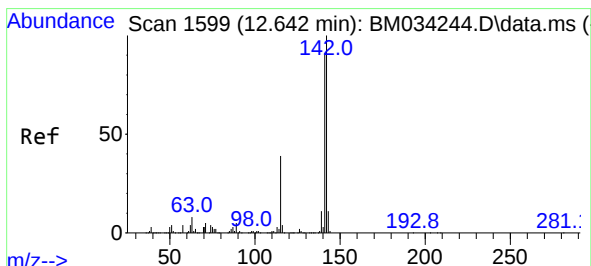
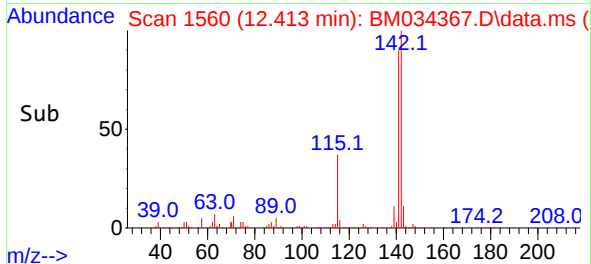
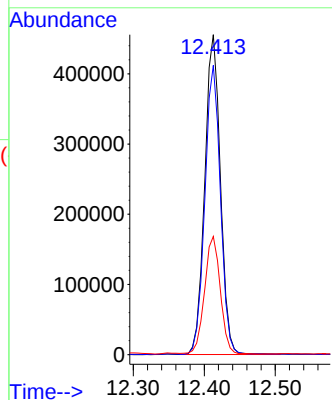
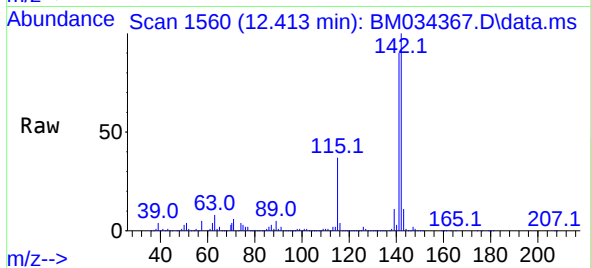
#37
2-Methylnaphthalene
Concen: 29.098 ng
RT: 12.413 min Scan# 1562
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

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BNA_M
ClientSampleId :
BLDG-3

Tgt Ion:142 Resp: 699789
Ion Ratio Lower Upper
142 100
141 90.4 70.1 105.1
115 37.0 29.9 44.9

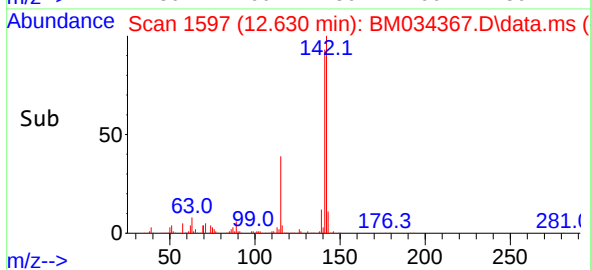
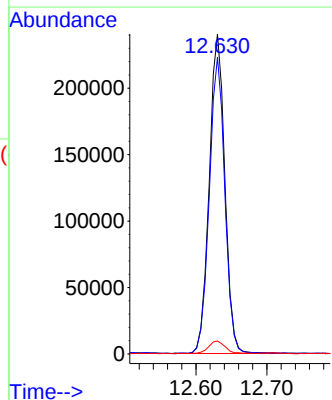
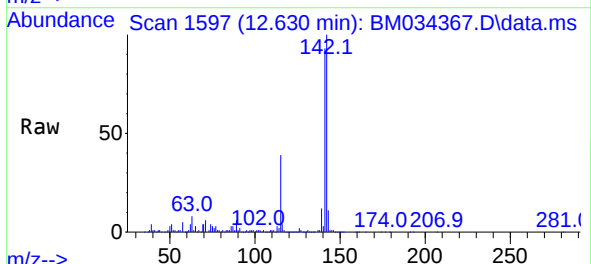
Manual Integrations
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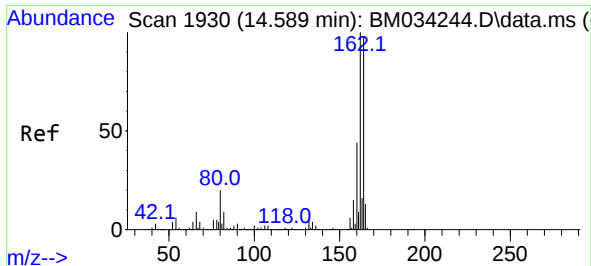
Reviewed By :Christian Giraldo 03/25/2022
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#38
1-Methylnaphthalene
Concen: 15.643 ng
RT: 12.630 min Scan# 1597
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

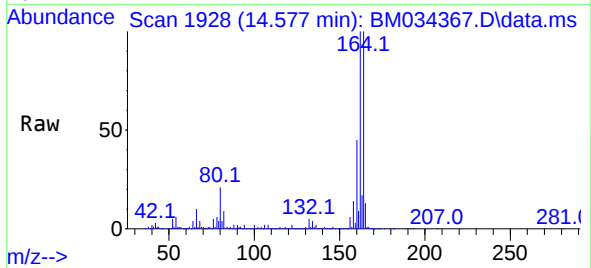
Tgt Ion:142 Resp: 368014
Ion Ratio Lower Upper
142 100
141 92.7 73.0 109.6
116 4.1 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

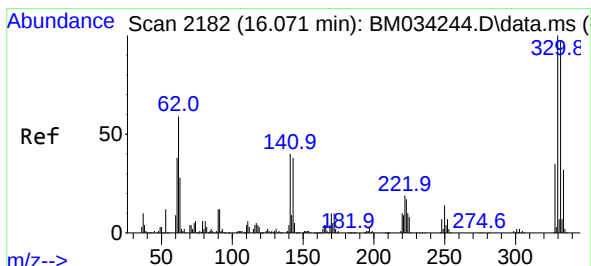
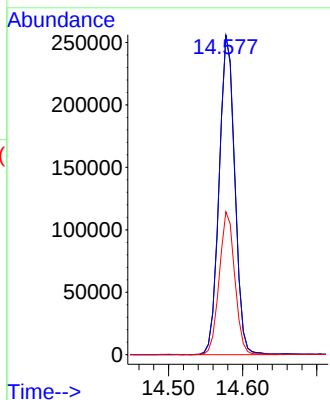
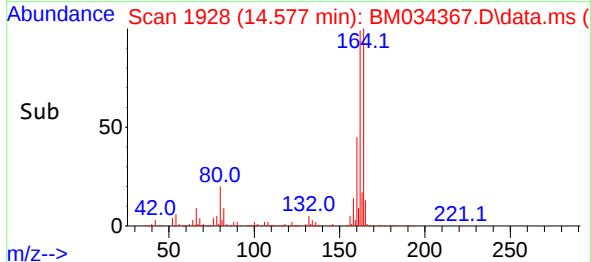
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ClientSampleId :
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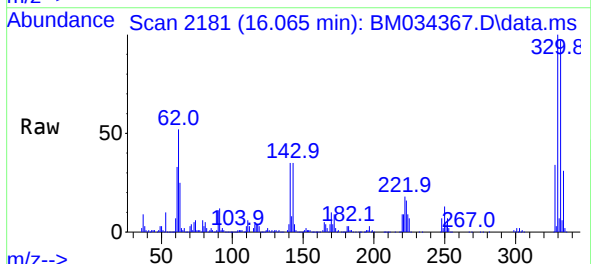
Tgt Ion:164 Resp: 374379
Ion Ratio Lower Upper
164 100
162 99.6 81.6 122.4
160 44.7 35.6 53.4

Manual Integrations
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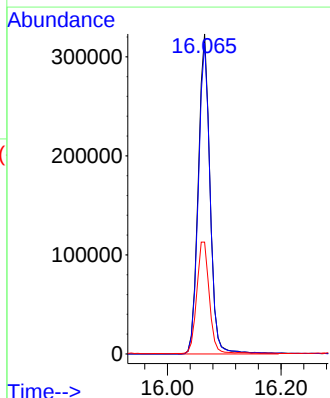
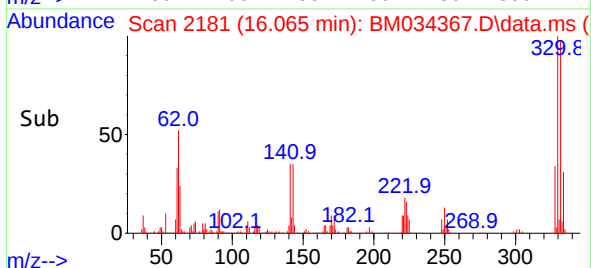
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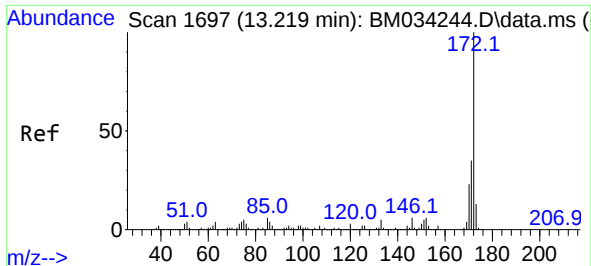


#42
2,4,6-Tribromophenol
Concen: 92.323 ng
RT: 16.065 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



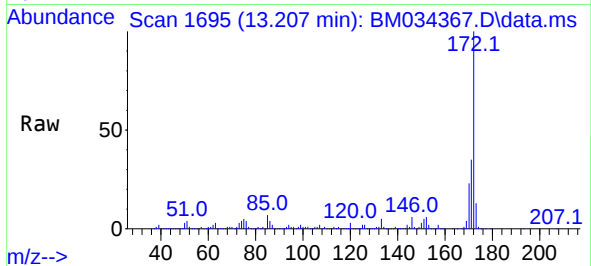
Tgt Ion:330 Resp: 465878
Ion Ratio Lower Upper
330 100
332 96.7 78.2 117.4
141 36.9 30.6 45.8





#45
2-Fluorobiphenyl
Concen: 64.741 ng
RT: 13.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

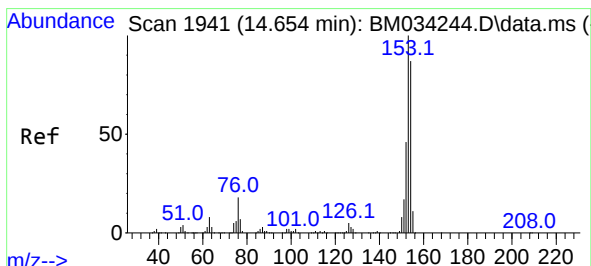
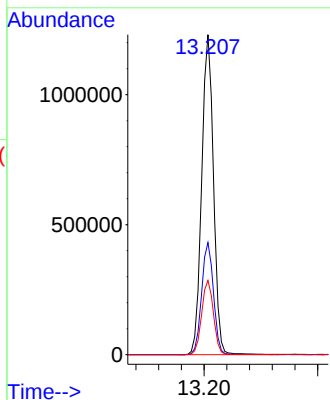
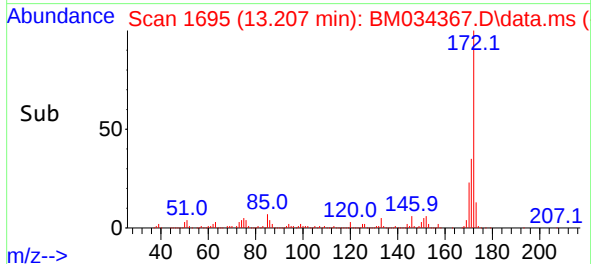
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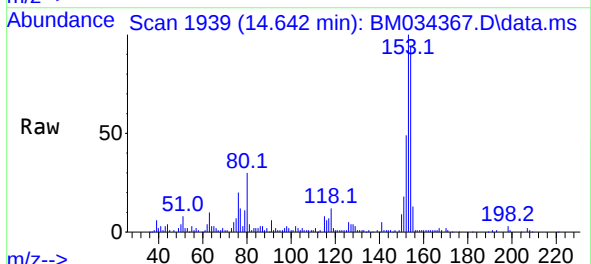
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Ion Ratio Lower Upper
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171 35.1 28.0 42.0
170 23.2 18.6 28.0

Manual Integrations
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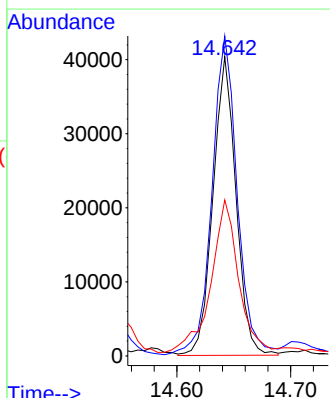
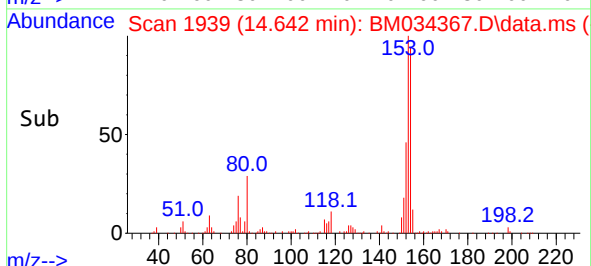
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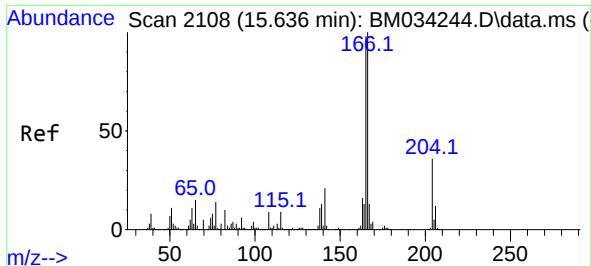


#52
Acenaphthene
Concen: 2.471 ng
RT: 14.642 min Scan# 1939
Delta R.T. -0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



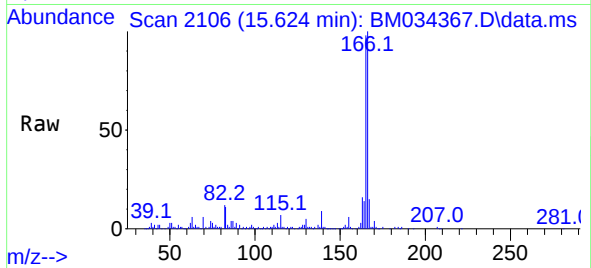
Tgt Ion:154 Resp: 56839
Ion Ratio Lower Upper
154 100
153 106.9 91.8 137.8
152 52.1 42.6 64.0





#58
Fluorene
Concen: 4.302 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

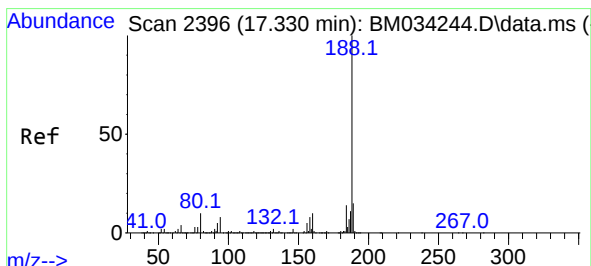
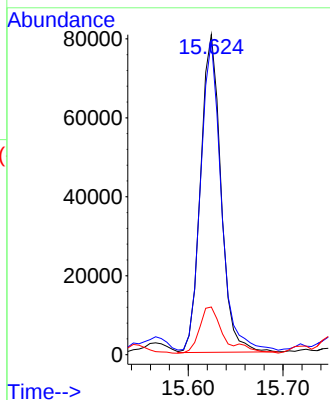
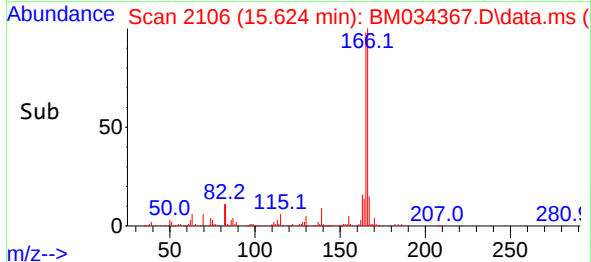
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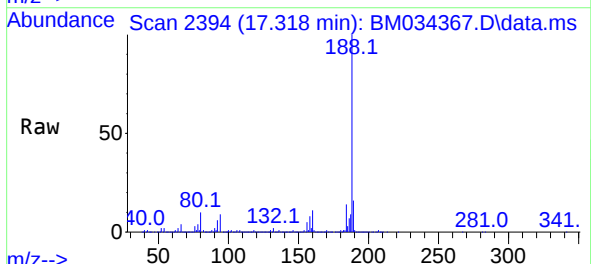
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Ion Ratio Lower Upper
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165 98.3 78.0 117.0
167 14.9 10.5 15.7

Manual Integrations
APPROVED

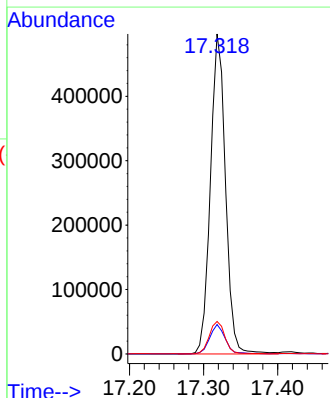
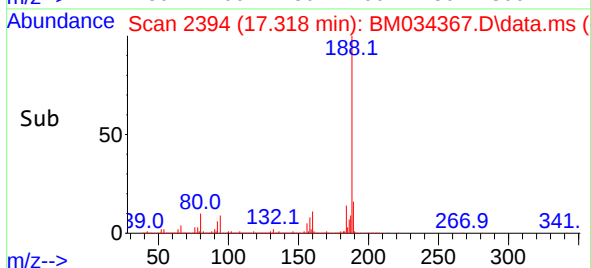
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

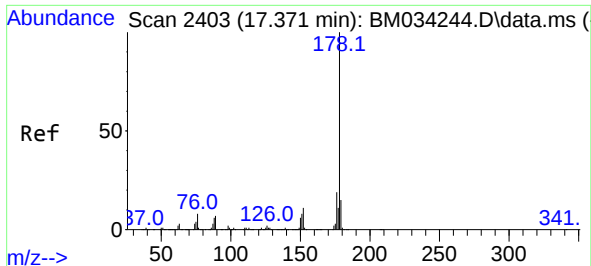


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2394
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



Tgt Ion:188 Resp: 702424
Ion Ratio Lower Upper
188 100
94 9.2 6.6 9.8
80 10.1 7.8 11.8





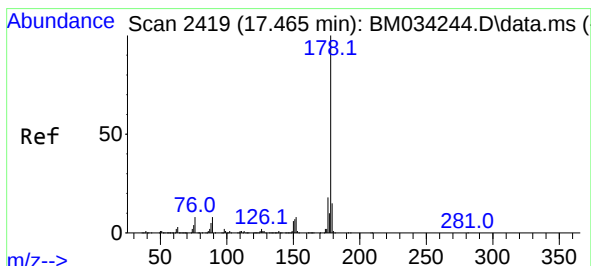
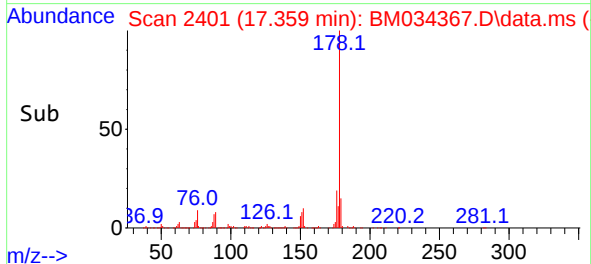
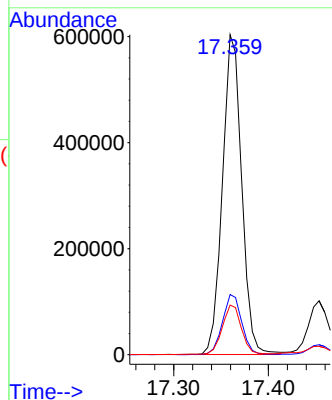
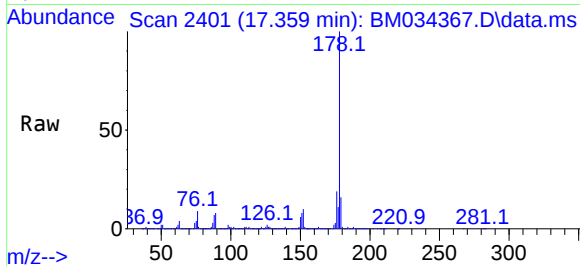
#71
Phenanthrene
Concen: 21.639 ng
RT: 17.359 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

Instrument :
BNA_M
ClientSampleId :
BLDG-3

Tgt Ion:178 Resp: 851220
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.5 12.2 18.4

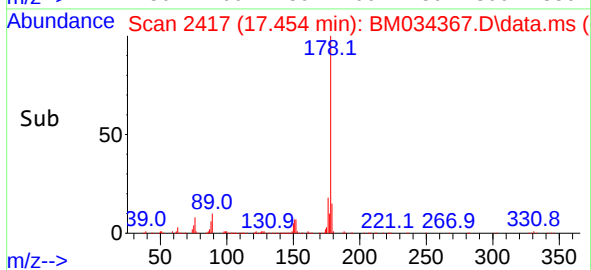
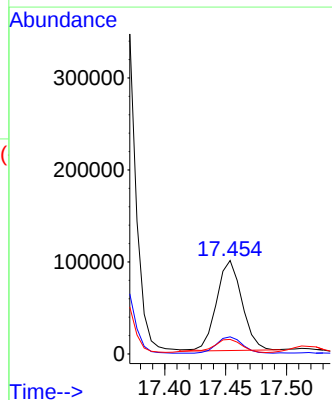
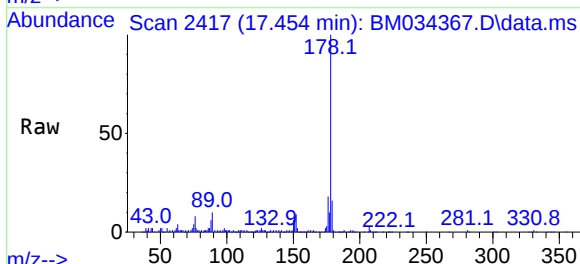
Manual Integrations
APPROVED

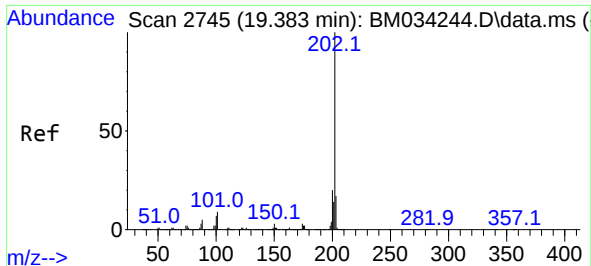
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#72
Anthracene
Concen: 3.749 ng
RT: 17.454 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

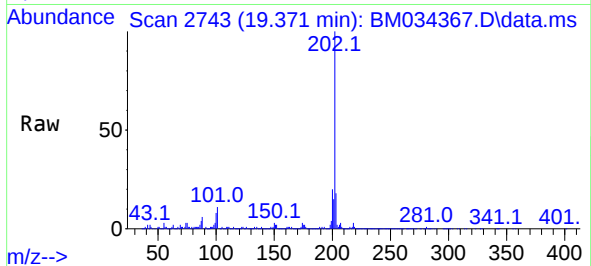
Tgt Ion:178 Resp: 143547
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 15.6 12.2 18.2





#75
Fluoranthene
Concen: 12.037 ng
RT: 19.371 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

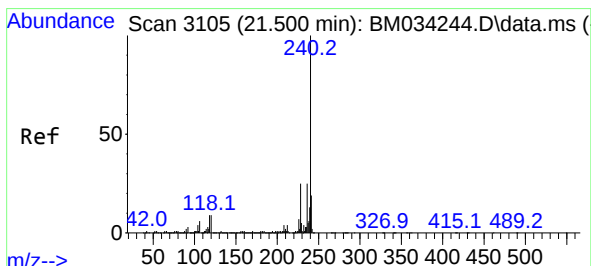
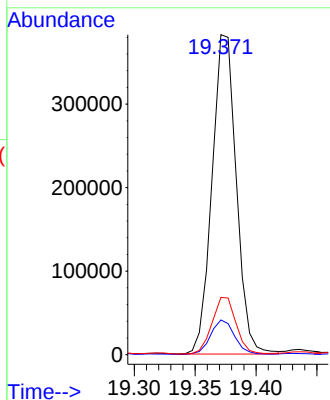
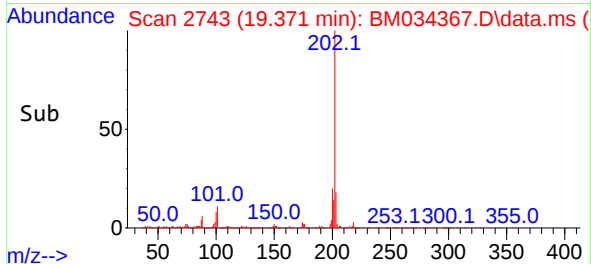
Instrument :
BNA_M
ClientSampleId :
BLDG-3



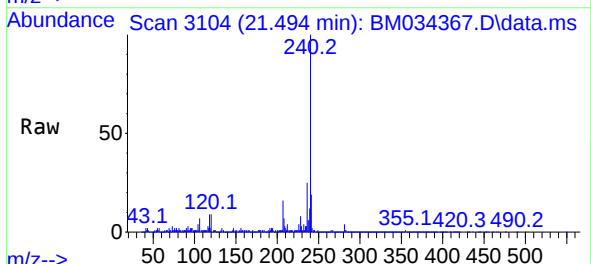
Tgt Ion:202 Resp: 530804
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.4
203 17.9 0.0 37.1

Manual Integrations
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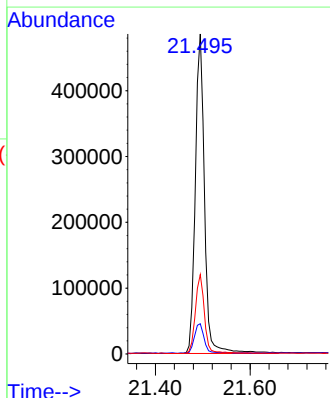
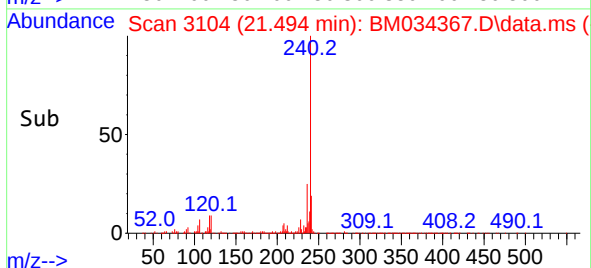
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

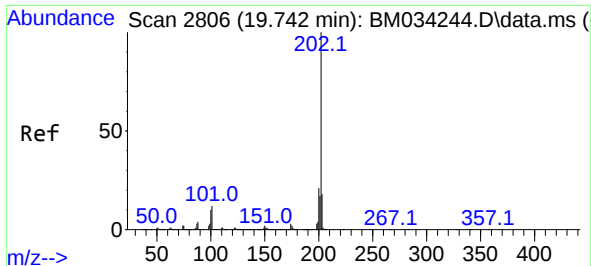


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



Tgt Ion:240 Resp: 658323
Ion Ratio Lower Upper
240 100
120 9.4 7.3 10.9
236 24.8 20.2 30.2





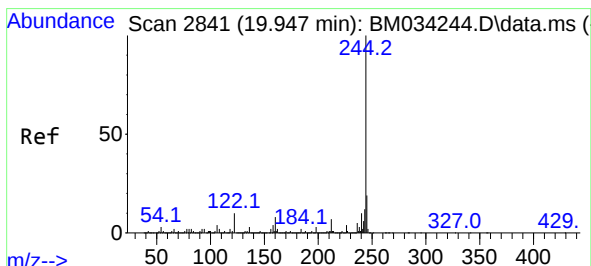
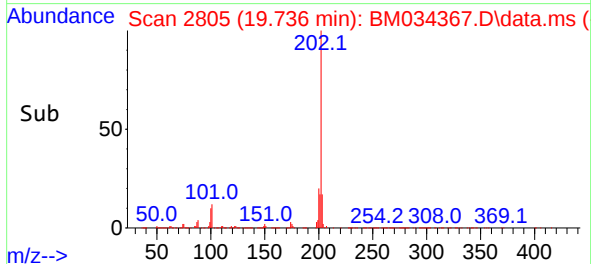
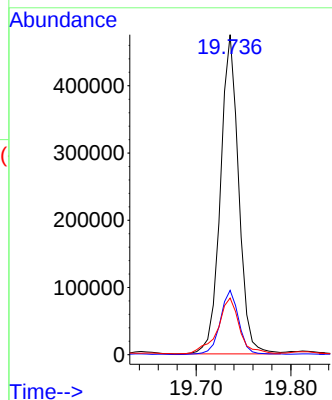
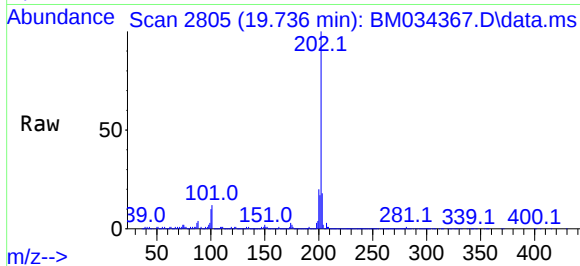
#78
Pyrene
Concen: 13.712 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

Instrument :
BNA_M
ClientSampleId :
BLDG-3

Tgt Ion:202 Resp: 63597
Ion Ratio Lower Upper
202 100
200 20.1 16.6 24.8
203 17.7 14.1 21.1

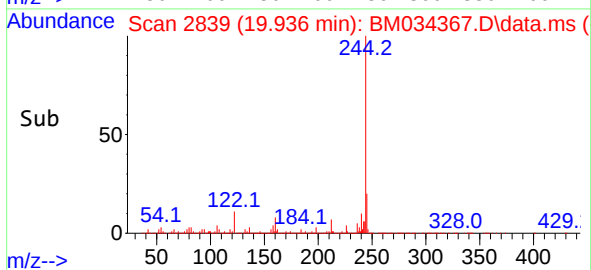
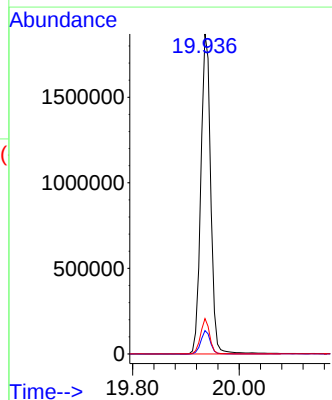
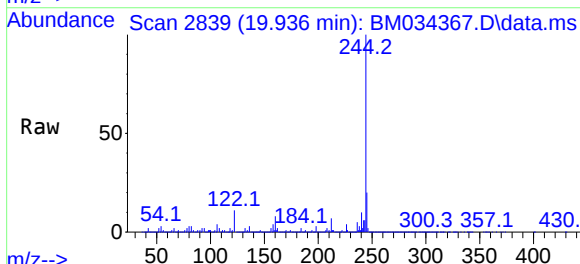
Manual Integrations
APPROVED

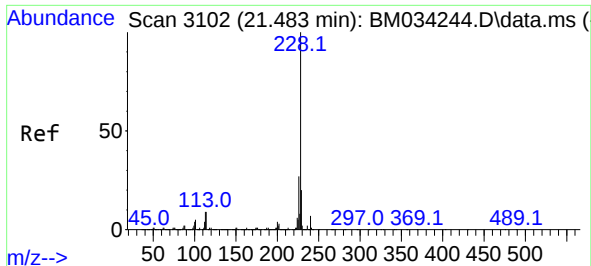
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#79
Terphenyl-d14
Concen: 63.417 ng
RT: 19.936 min Scan# 2839
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

Tgt Ion:244 Resp: 2402649
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 11.1 7.8 11.8





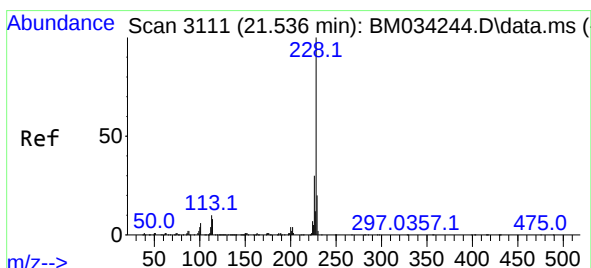
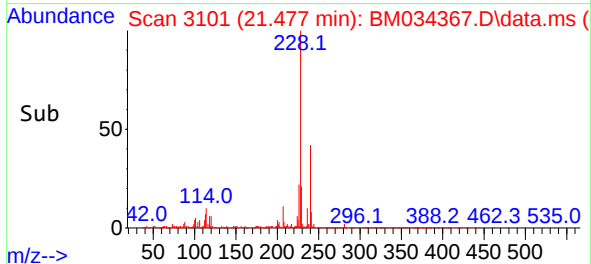
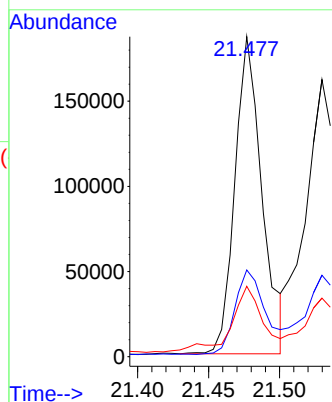
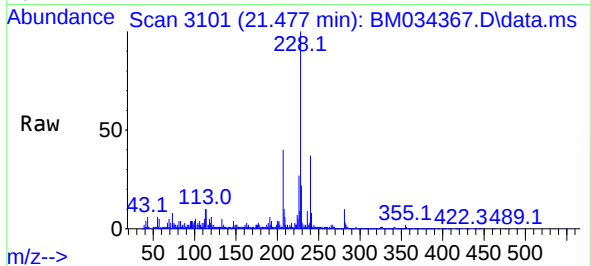
#81
Benzo(a)anthracene
Concen: 5.951 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

Instrument :
BNA_M
ClientSampleId :
BLDG-3

Tgt Ion:228 Resp: 24727
Ion Ratio Lower Upper
228 100
226 27.1 21.6 32.4
229 22.0 15.8 23.6

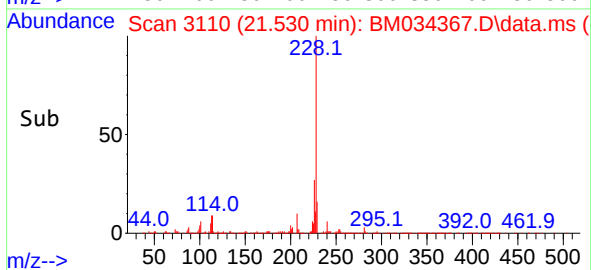
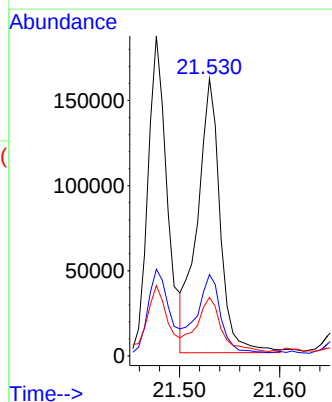
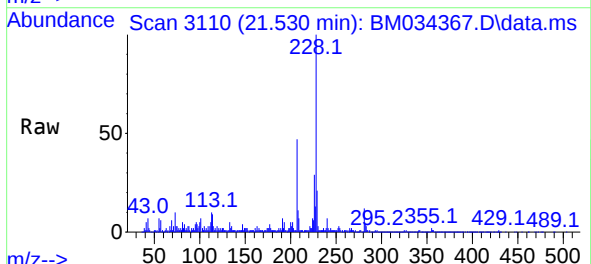
Manual Integrations
APPROVED

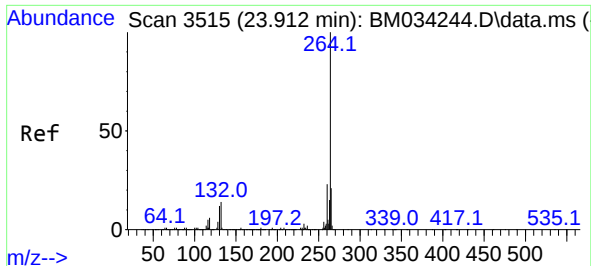
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#83
Chrysene
Concen: 6.020 ng
RT: 21.530 min Scan# 3110
Delta R.T. -0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

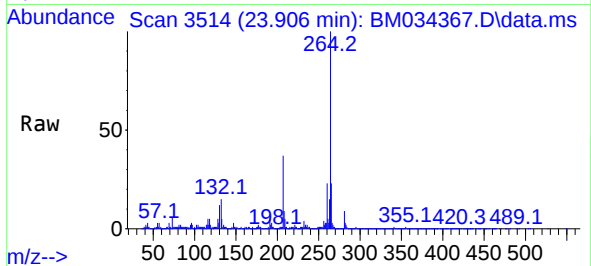
Tgt Ion:228 Resp: 255442
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 21.2 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

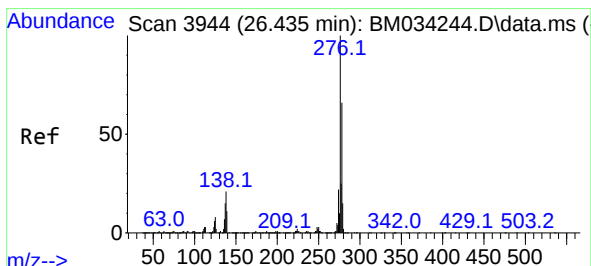
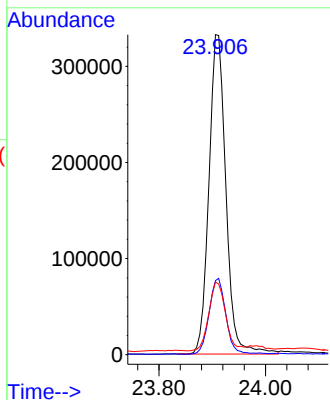
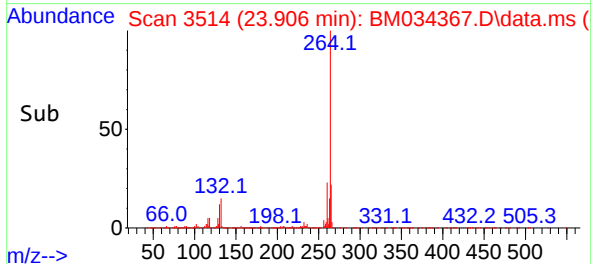
Instrument :
BNA_M
ClientSampleId :
BLDG-3



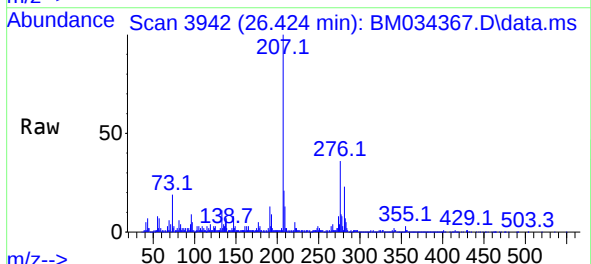
Tgt Ion:264 Resp: 736810
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.7 17.6 26.4

Manual Integrations
APPROVED

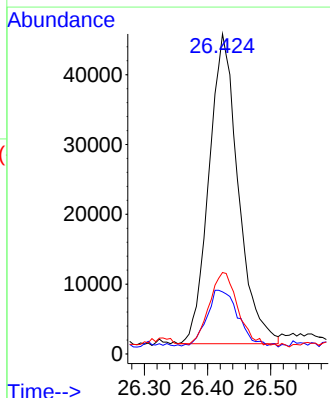
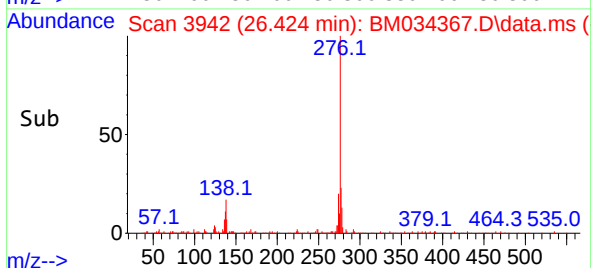
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

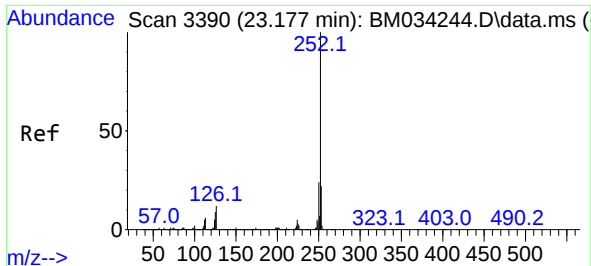


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.012 ng
RT: 26.424 min Scan# 3942
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



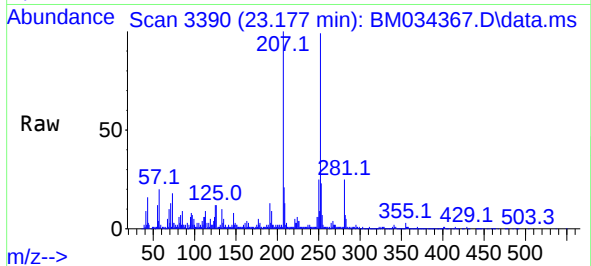
Tgt Ion:276 Resp: 142784
Ion Ratio Lower Upper
276 100
138 19.9 16.6 25.0
277 23.3 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 6.515 ng
RT: 23.177 min Scan# 3390
Delta R.T. 0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

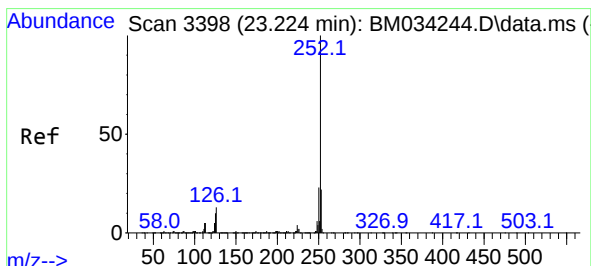
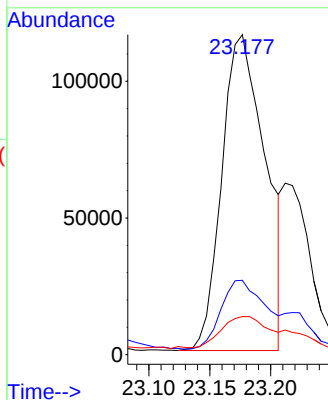
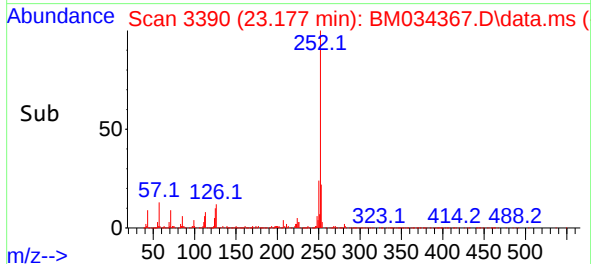
Instrument :
BNA_M
ClientSampleId :
BLDG-3



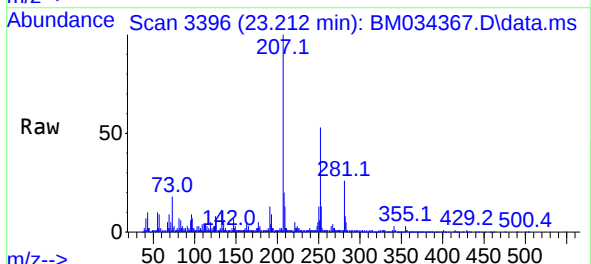
Tgt Ion:252 Resp: 28703
Ion Ratio Lower Upper
252 100
253 23.3 17.8 26.8
125 11.9 7.2 10.8

Manual Integrations
APPROVED

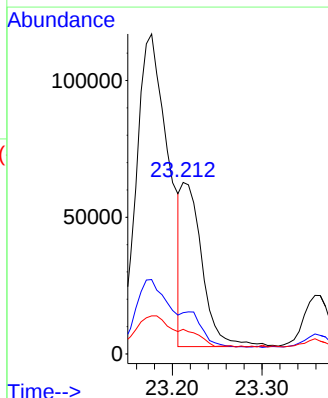
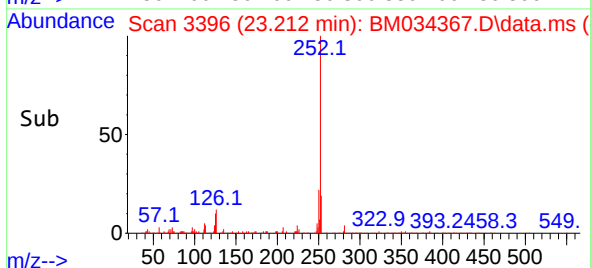
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

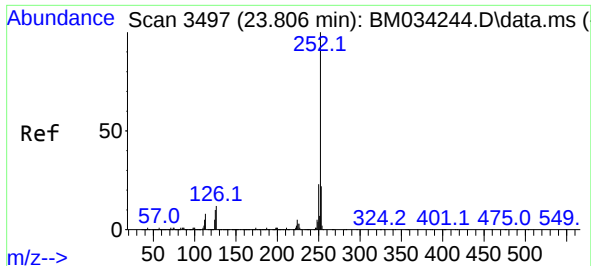


#89
Benzo(k)fluoranthene
Concen: 2.097 ng m
RT: 23.212 min Scan# 3396
Delta R.T. -0.012 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



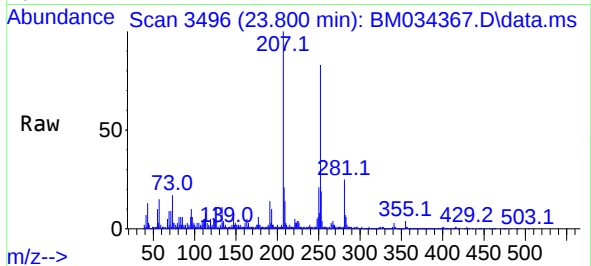
Tgt Ion:252 Resp: 97885
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 14.4 7.5 11.3





#90
Benzo(a)pyrene
Concen: 5.422 ng
RT: 23.800 min Scan# 3497
Delta R.T. -0.000 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03

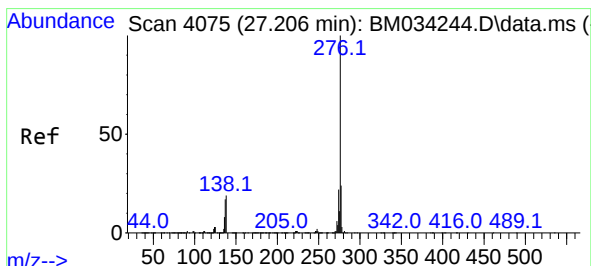
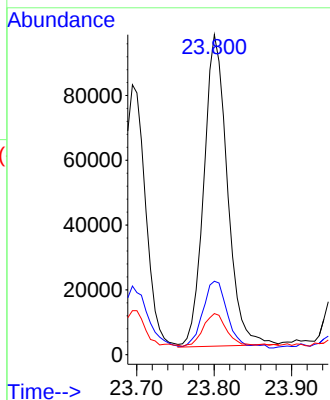
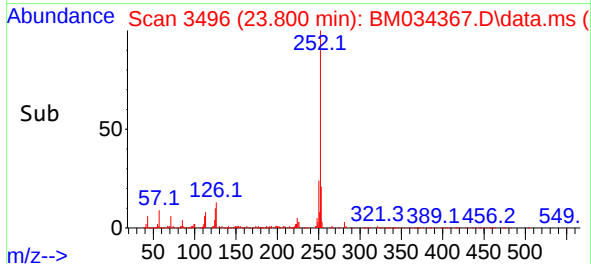
Instrument :
BNA_M
ClientSampleId :
BLDG-3



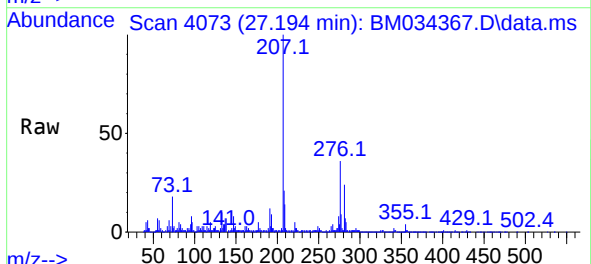
Tgt Ion: 252 Resp: 20252
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 12.8 7.8 11.6

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/25/2022
Supervised By : Jagrut Upadhyay 03/25/2022



#92
Benzo(g,h,i)perylene
Concen: 4.049 ng
RT: 27.194 min Scan# 4073
Delta R.T. -0.006 min
Lab File: BM034367.D
Acq: 24 Mar 2022 18:03



Tgt Ion: 276 Resp: 161086
Ion Ratio Lower Upper
276 100
277 25.3 19.0 28.4
138 19.9 15.6 23.4

