

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
 Data File : BM034368.D
 Acq On : 24 Mar 2022 18:39
 Operator : CG/JU
 Sample : N2077-07 5X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 WC-14A-3-1

Manual Integrations
 APPROVED

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

Quant Time: Mar 25 01:10:18 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	7.937	152	164468	20.000	ng	0.00
21) Naphthalene-d8	10.748	136	611083	20.000	ng	# 0.00
39) Acenaphthene-d10	14.577	164	357249	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	657551	20.000	ng	# 0.00
76) Chrysene-d12	21.500	240	656714	20.000	ng	# 0.00
86) Perylene-d12	23.924	264	734406	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	114750	12.517	ng	0.00
7) Phenol-d6	7.096	99	145508	11.085	ng	0.00
23) Nitrobenzene-d5	9.101	82	104875	8.356	ng	0.00
42) 2,4,6-Tribromophenol	16.066	330	53958	11.206	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	226460	8.662	ng	0.00
79) Terphenyl-d14	19.942	244	316533	8.375	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.365	178	90007	2.444	ng	# 75
78) Pyrene	19.742	202	301751	6.522	ng	# 93
81) Benzo(a)anthracene	21.489	228	1268915	30.614	ng	# 92
83) Chrysene	21.536	228	1410064	33.313	ng	# 93
88) Benzo(b)fluoranthene	23.183	252	543031m	12.365	ng	
90) Benzo(a)pyrene	23.818	252	445489	11.966	ng	# 86
91) Dibenzo(a,h)anthracene	26.435	278	109596	2.861	ng	# 54
92) Benzo(g,h,i)perylene	27.212	276	122164	3.081	ng	# 85

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

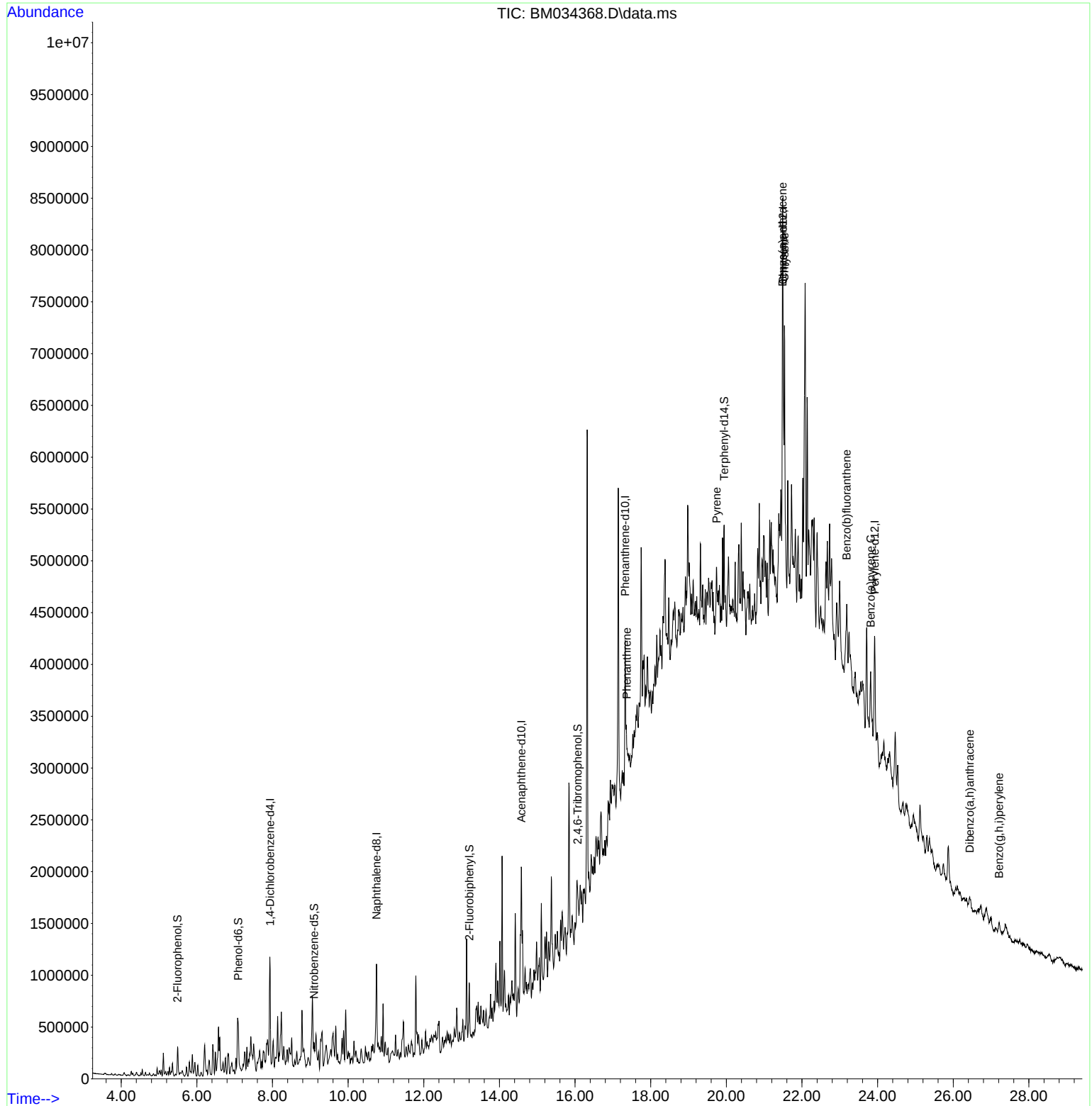
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032422\
Data File : BM034368.D
Acq On : 24 Mar 2022 18:39
Operator : CG/JU
Sample : N2077-07 5X
Misc :
ALS Vial : 10 Sample Multiplier: 1

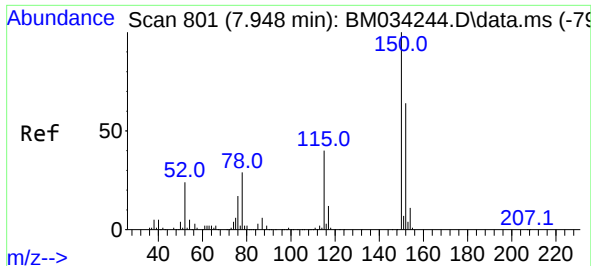
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1

Quant Time: Mar 25 01:10:18 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

Manual Integrations
APPROVED

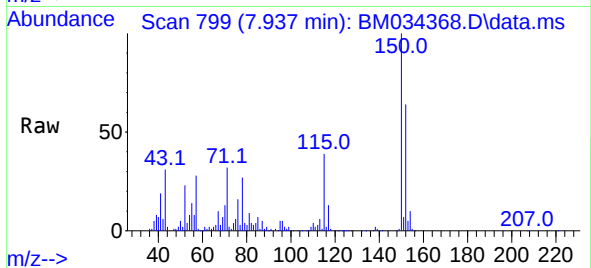
Reviewed By : Christian Giraldo 03/25/2022
Supervised By : Jagrut Upadhyay 03/25/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

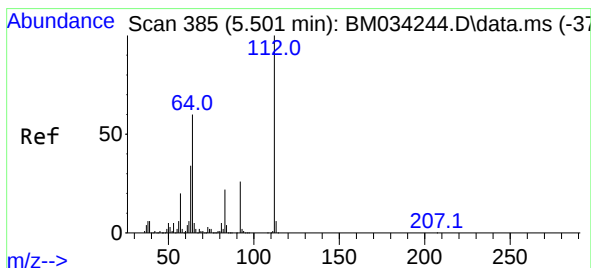
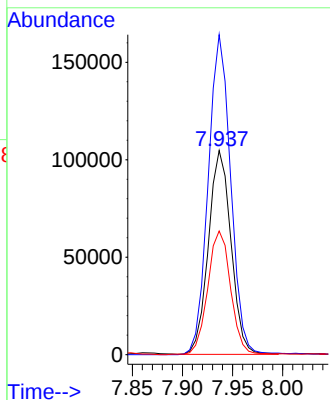
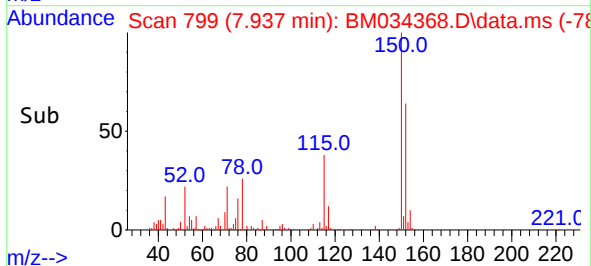
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1



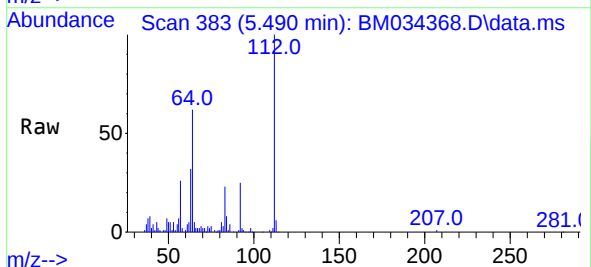
Tgt Ion:152 Resp: 164468
Ion Ratio Lower Upper
152 100
150 156.7 125.4 188.2
115 60.6 50.1 75.1

Manual Integrations
APPROVED

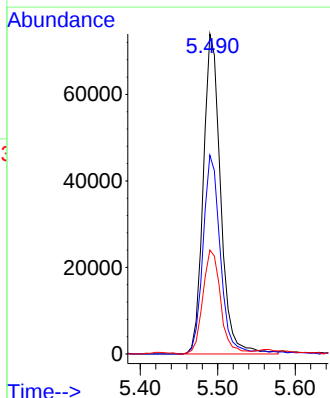
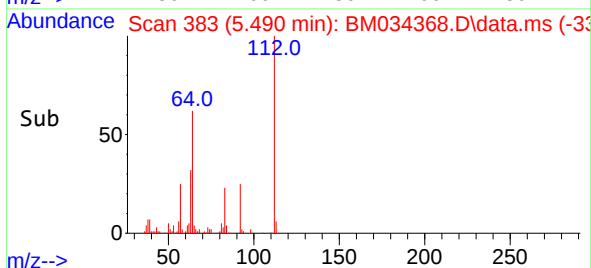
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

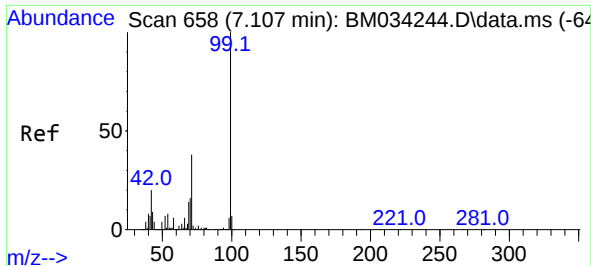


#5
2-Fluorophenol
Concen: 12.517 ng
RT: 5.490 min Scan# 383
Delta R.T. 0.000 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39



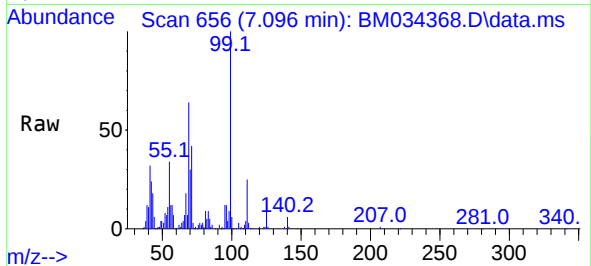
Tgt Ion:112 Resp: 114750
Ion Ratio Lower Upper
112 100
64 62.1 47.9 71.9
63 32.5 27.1 40.7





#7
Phenol-d6
Concen: 11.085 ng
RT: 7.096 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

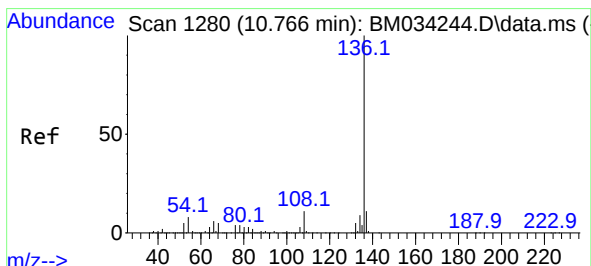
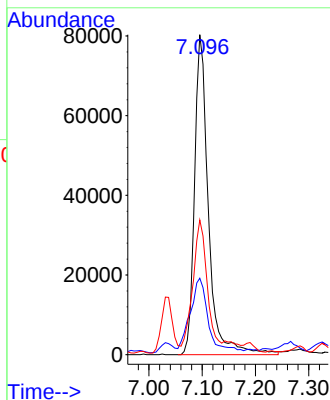
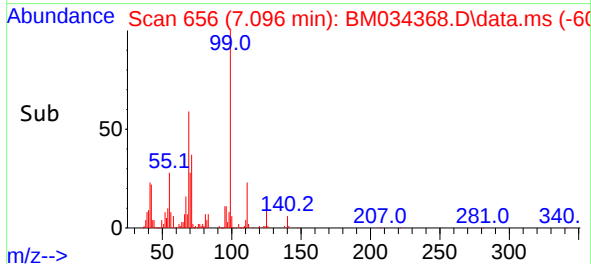
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1



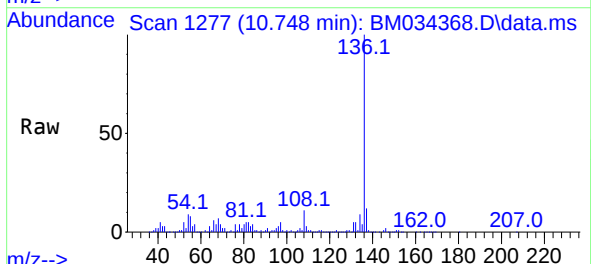
Tgt Ion: 99 Resp: 145508
Ion Ratio Lower Upper
99 100
42 23.9 15.6 23.4
71 42.1 30.6 46.0

Manual Integrations
APPROVED

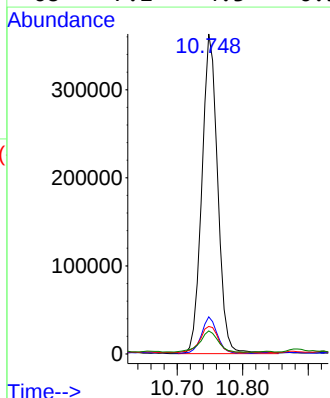
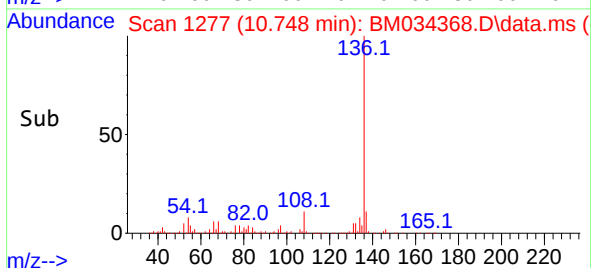
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

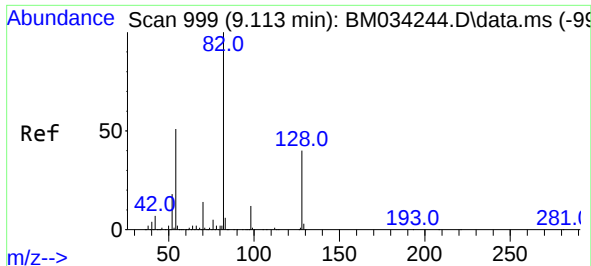


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39



Tgt Ion:136 Resp: 611083
Ion Ratio Lower Upper
136 100
137 11.6 8.6 13.0
54 8.6 6.2 9.4
68 7.2 4.3 6.5





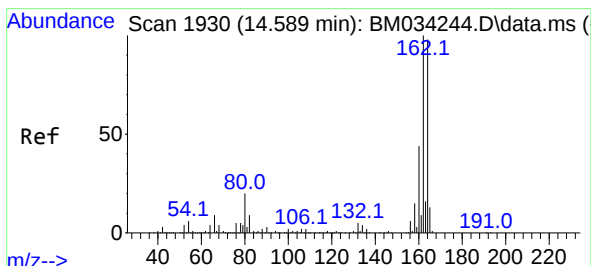
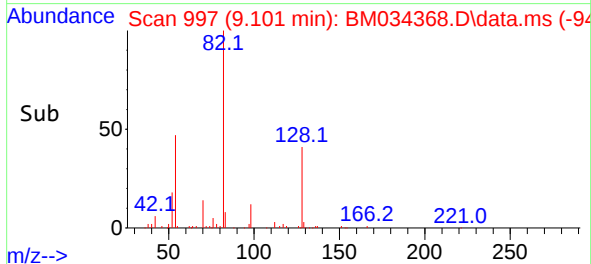
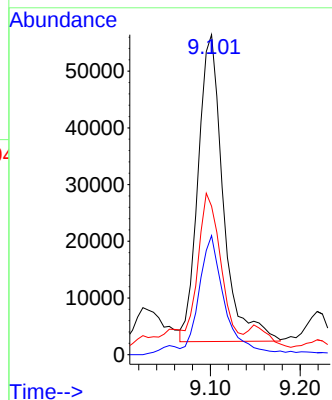
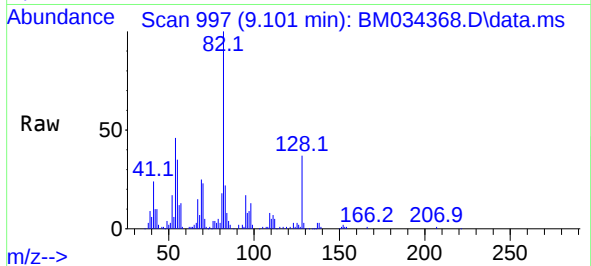
#23
Nitrobenzene-d5
Concen: 8.356 ng
RT: 9.101 min Scan# 997
Delta R.T. -0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1

Tgt Ion: 82 Resp: 104875
Ion Ratio Lower Upper
82 100
128 37.2 31.9 47.9
54 46.4 40.6 61.0

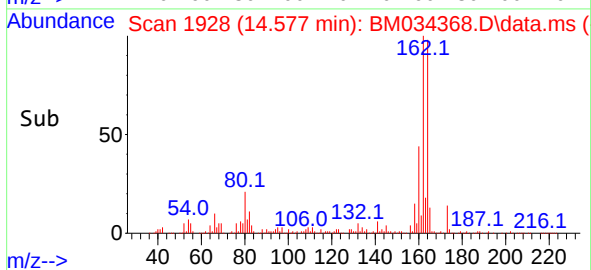
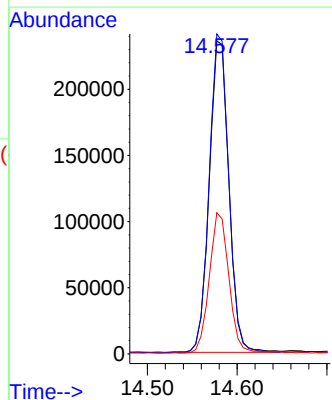
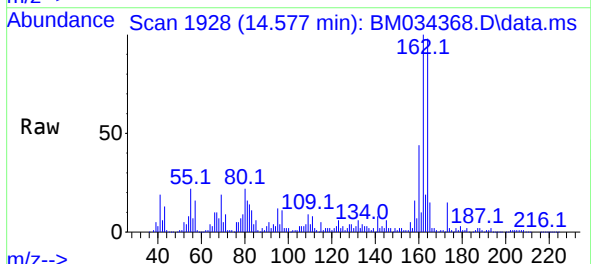
Manual Integrations
APPROVED

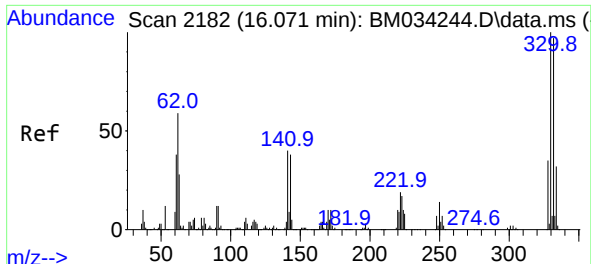
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1928
Delta R.T. -0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Tgt Ion:164 Resp: 357249
Ion Ratio Lower Upper
164 100
162 102.2 81.6 122.4
160 45.1 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 11.206 ng
RT: 16.066 min Scan# 2181
Delta R.T. 0.000 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Instrument :

BNA_M

ClientSampleId :

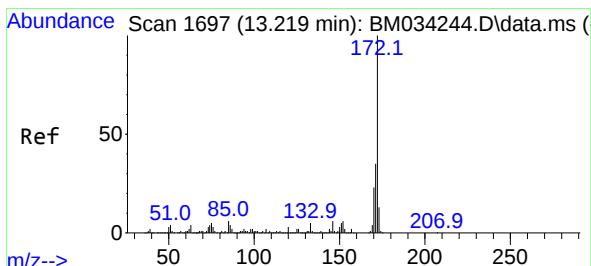
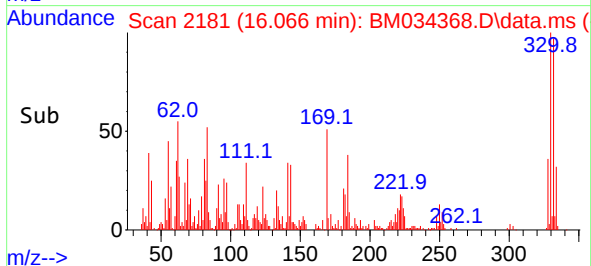
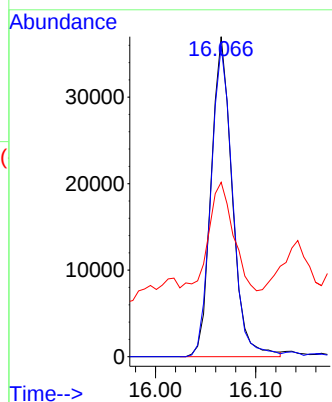
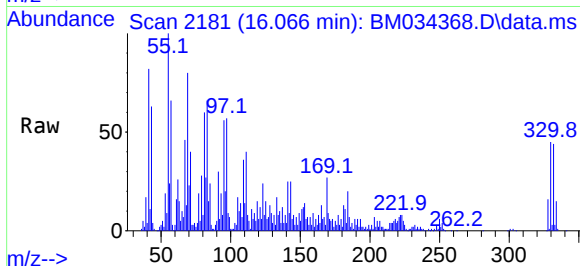
WC-14A-3-1

Tgt Ion:330 Resp: 53958
Ion Ratio Lower Upper
330 100
332 99.7 78.2 117.4
141 38.9 30.6 45.8

Manual Integrations

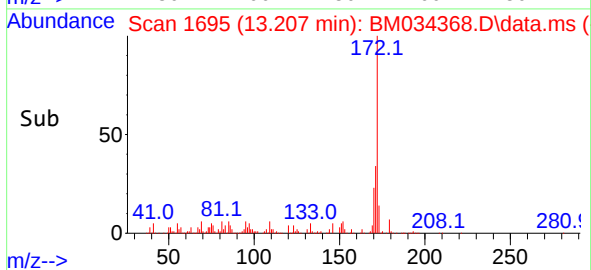
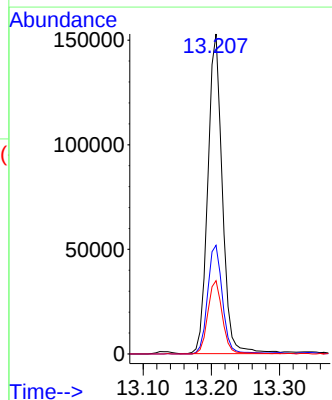
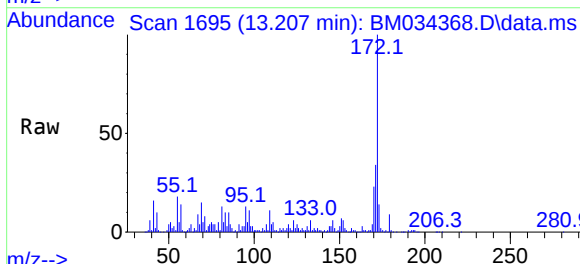
APPROVED

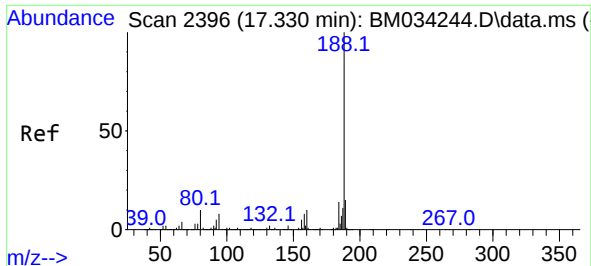
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#45
2-Fluorobiphenyl
Concen: 8.662 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

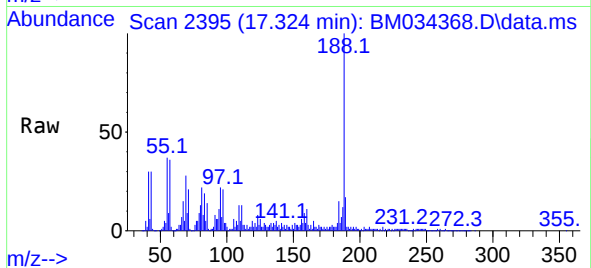
Tgt Ion:172 Resp: 226460
Ion Ratio Lower Upper
172 100
171 34.0 28.0 42.0
170 22.9 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2401
Delta R.T. 0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

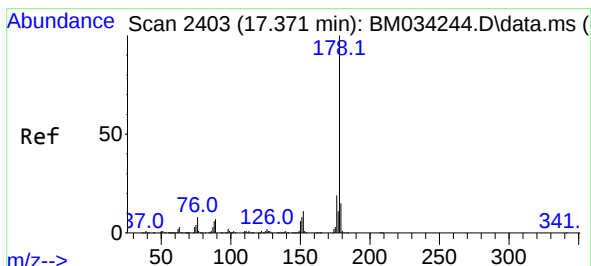
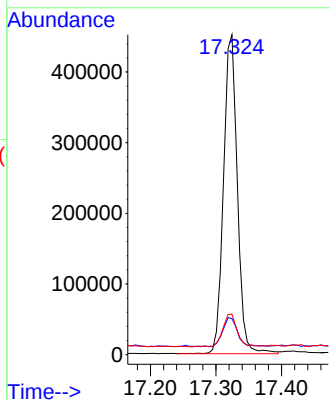
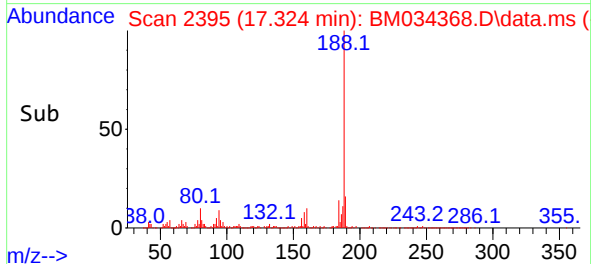
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1



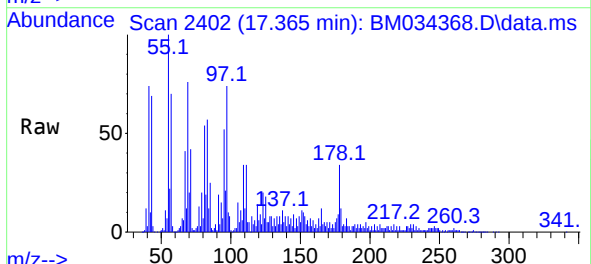
Tgt Ion:188 Resp: 65755
Ion Ratio Lower Upper
188 100
94 11.3 6.6 9.8
80 12.7 7.8 11.8

Manual Integrations
APPROVED

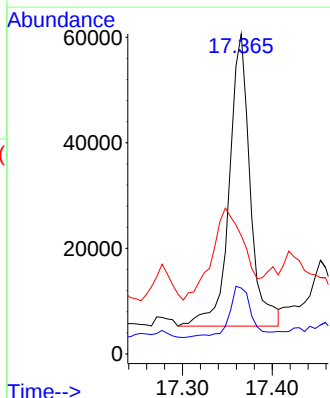
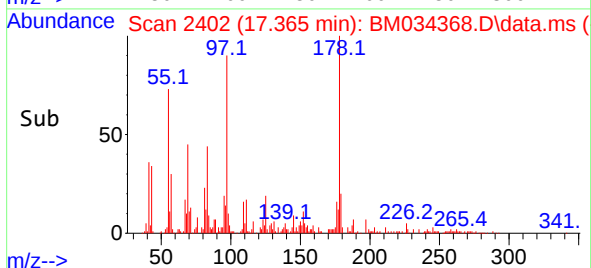
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

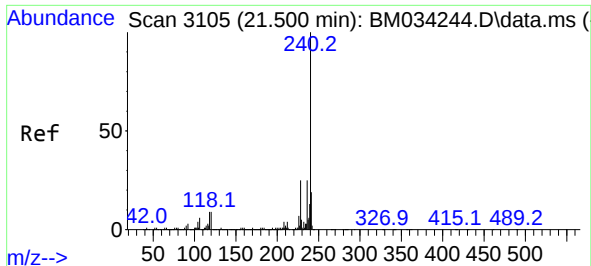


#71
Phenanthrene
Concen: 2.444 ng
RT: 17.365 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39



Tgt Ion:178 Resp: 90007
Ion Ratio Lower Upper
178 100
176 20.6 15.1 22.7
179 36.9 12.2 18.4





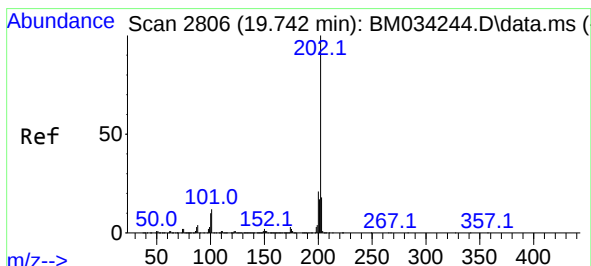
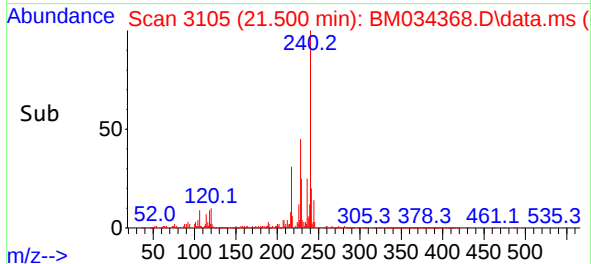
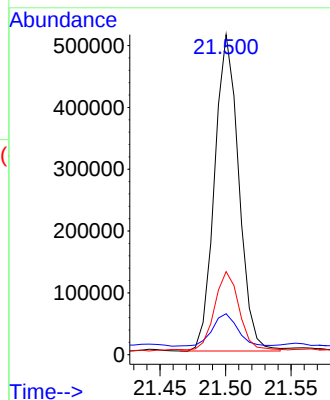
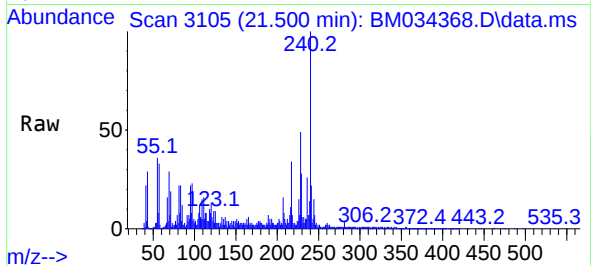
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.500 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1

Tgt Ion:240 Resp: 656714
Ion Ratio Lower Upper
240 100
120 12.8 7.3 10.9
236 26.0 20.2 30.2

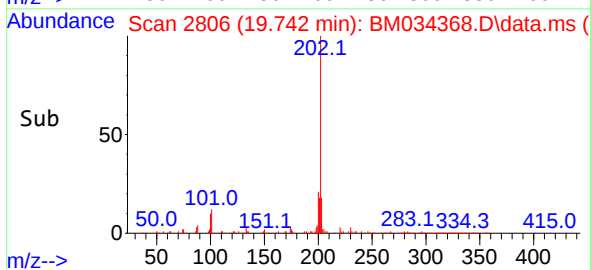
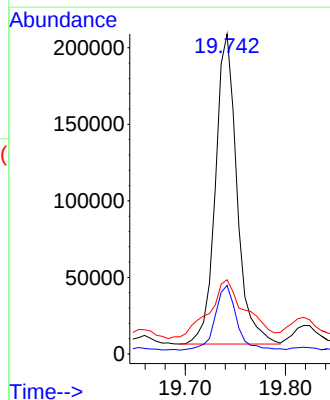
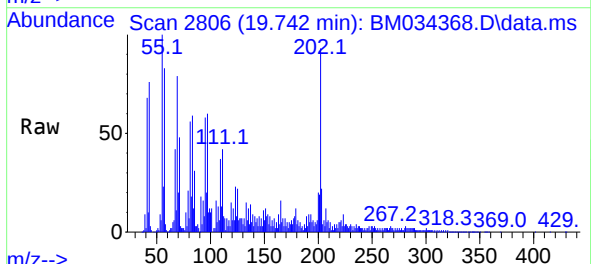
Manual Integrations
APPROVED

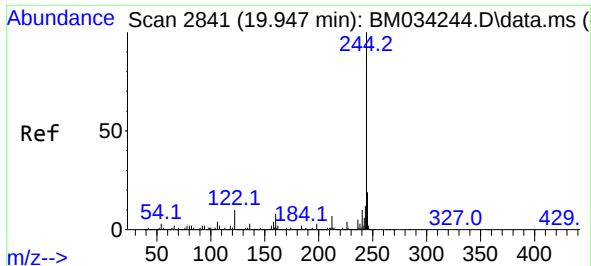
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#78
Pyrene
Concen: 6.522 ng
RT: 19.742 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Tgt Ion:202 Resp: 301751
Ion Ratio Lower Upper
202 100
200 21.5 16.6 24.8
203 23.2 14.1 21.1#





#79
 Terphenyl-d14
 Concen: 8.375 ng
 RT: 19.942 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BM034368.D
 Acq: 24 Mar 2022 18:39

Instrument :

BNA_M

ClientSampleId :

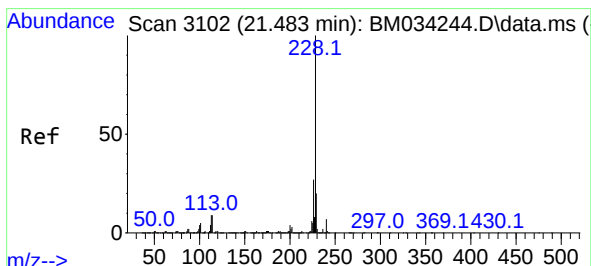
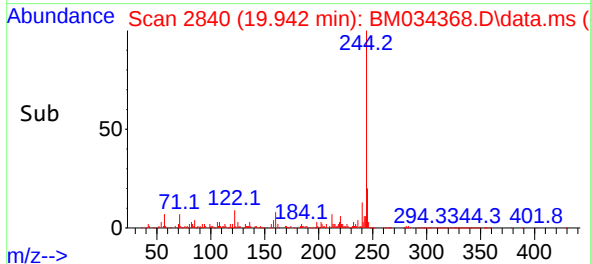
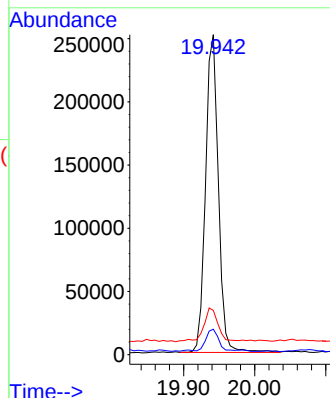
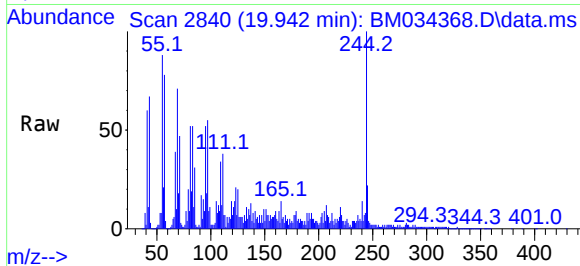
WC-14A-3-1

Tgt Ion:244 Resp: 31653
 Ion Ratio Lower Upper
 244 100
 212 8.0 5.9 8.9
 122 13.9 7.8 11.8

Manual Integrations

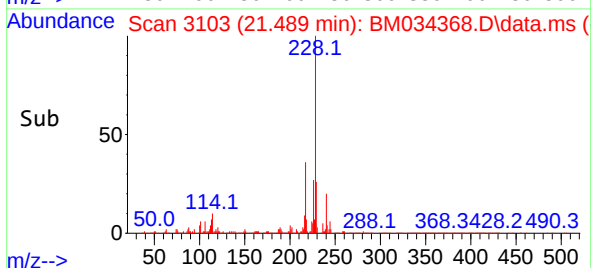
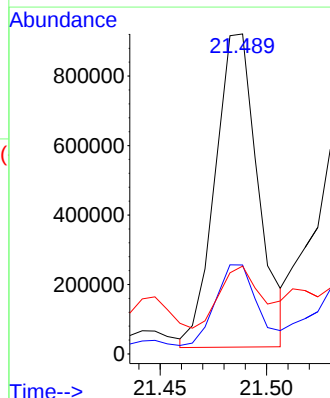
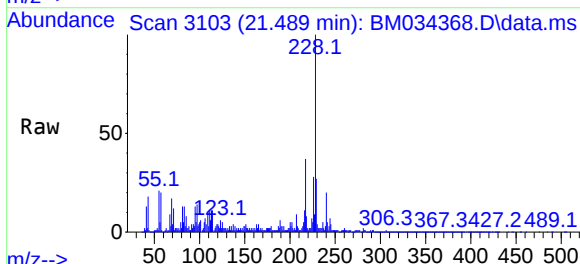
APPROVED

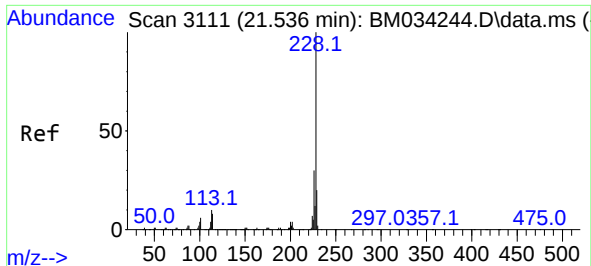
Reviewed By :Christian Giraldo 03/25/2022
 Supervised By :Jagrut Upadhyay 03/25/2022



#81
 Benzo(a)anthracene
 Concen: 30.614 ng
 RT: 21.489 min Scan# 3103
 Delta R.T. 0.012 min
 Lab File: BM034368.D
 Acq: 24 Mar 2022 18:39

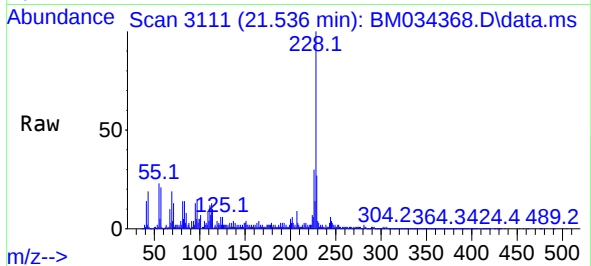
Tgt Ion:228 Resp: 1268915
 Ion Ratio Lower Upper
 228 100
 226 27.8 21.6 32.4
 229 27.4 15.8 23.6





#83
Chrysene
Concen: 33.313 ng
RT: 21.536 min Scan# 3111
Delta R.T. 0.000 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

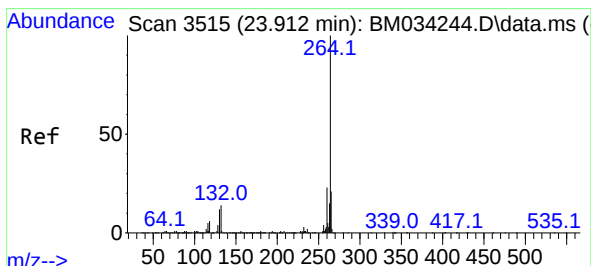
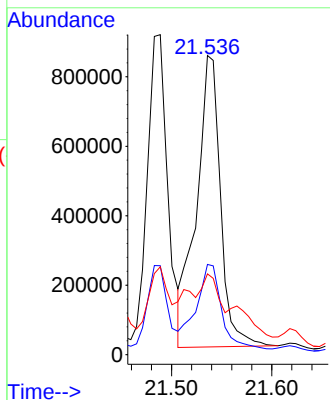
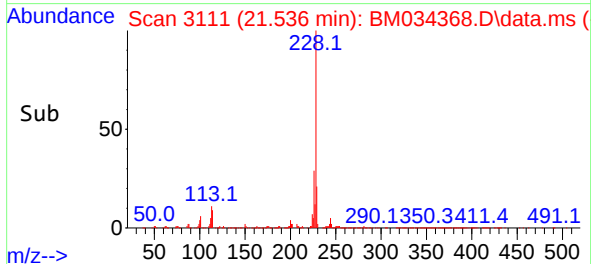
Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1



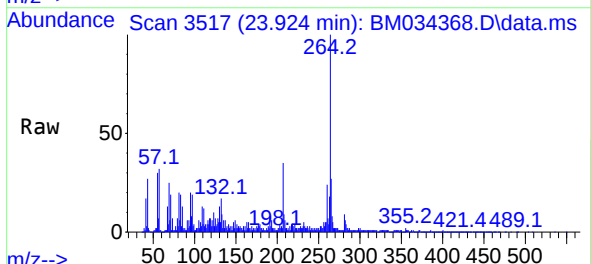
Tgt Ion:228 Resp: 1410064
Ion Ratio Lower Upper
228 100
226 30.2 23.8 35.6
229 27.0 15.6 23.4

Manual Integrations
APPROVED

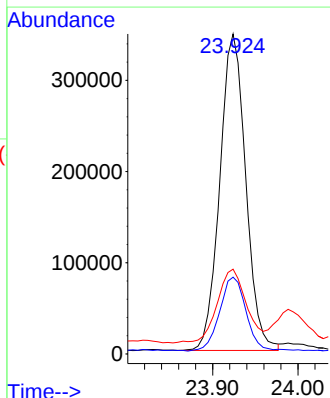
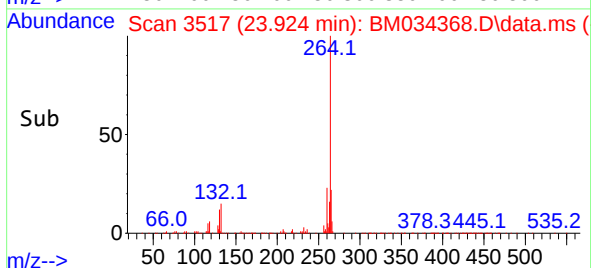
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022

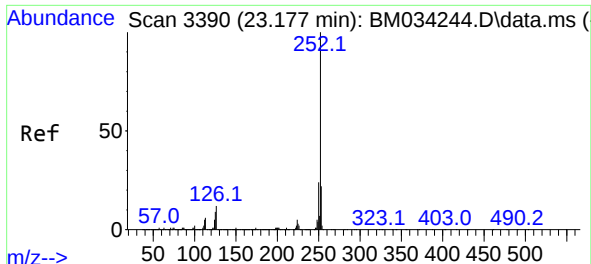


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.924 min Scan# 3517
Delta R.T. 0.018 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39



Tgt Ion:264 Resp: 734406
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 26.5 17.6 26.4





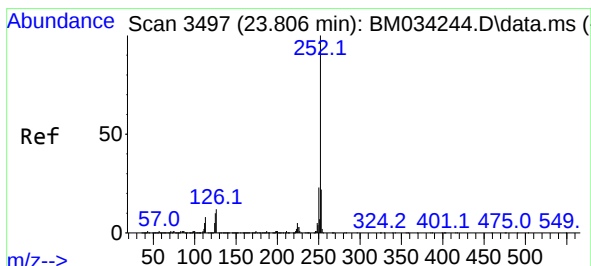
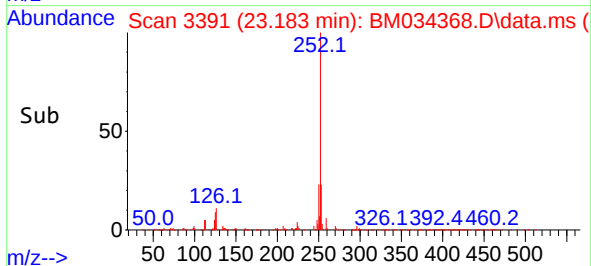
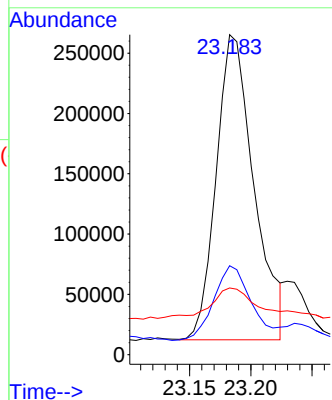
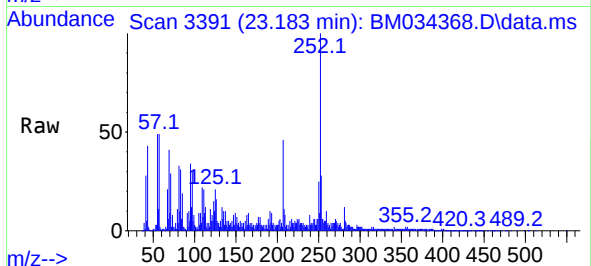
#88
Benzo(b)fluoranthene
Concen: 12.365 ng m
RT: 23.183 min Scan# 31
Delta R.T. 0.012 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1

Tgt Ion:252 Resp: 54303
Ion Ratio Lower Upper
252 100
253 27.8 17.8 26.8
125 20.9 7.2 10.8

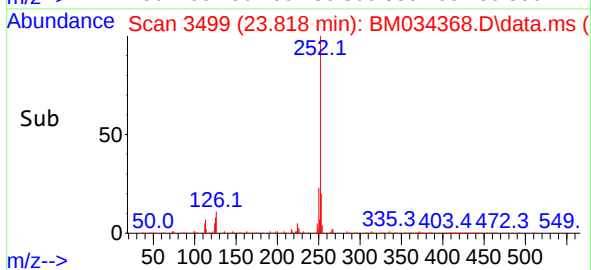
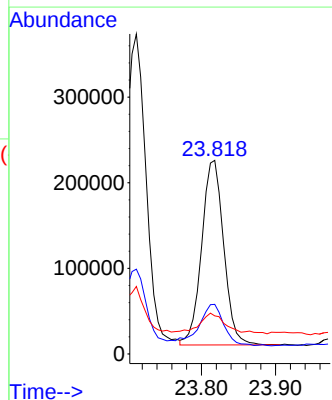
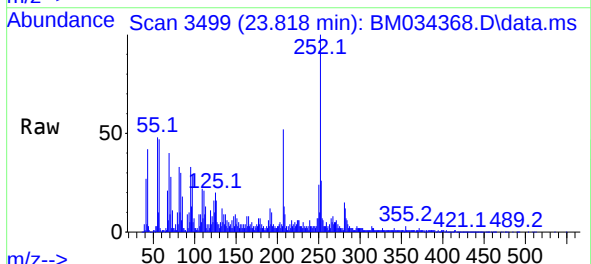
Manual Integrations
APPROVED

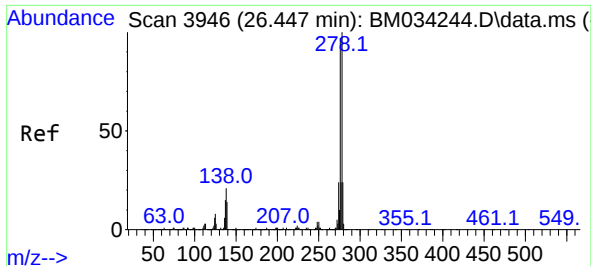
Reviewed By :Christian Giraldo 03/25/2022
Supervised By :Jagrut Upadhyay 03/25/2022



#90
Benzo(a)pyrene
Concen: 11.966 ng
RT: 23.818 min Scan# 3499
Delta R.T. 0.018 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Tgt Ion:252 Resp: 445489
Ion Ratio Lower Upper
252 100
253 25.7 17.5 26.3
125 19.7 7.8 11.6





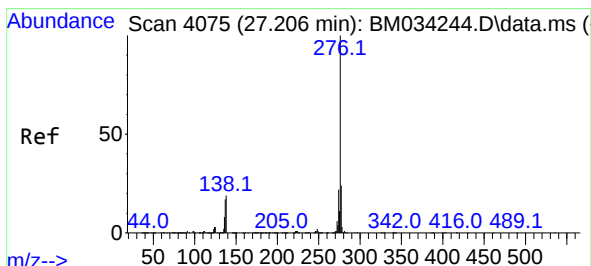
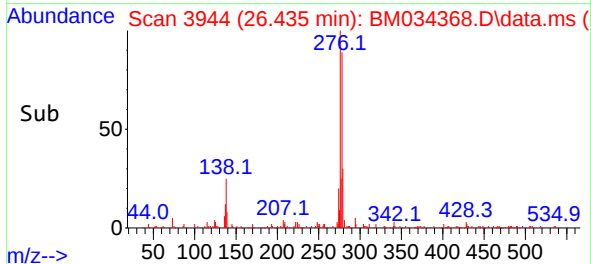
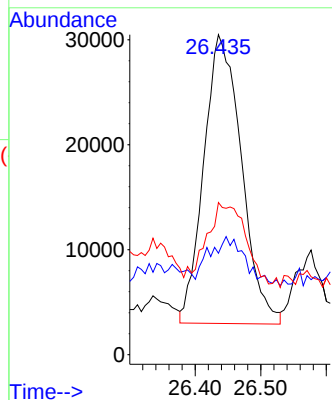
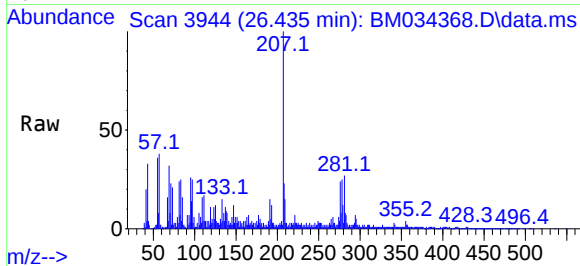
#91
Dibenzo(a,h)anthracene
Concen: 2.861 ng
RT: 26.435 min Scan# 3944
Delta R.T. -0.006 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Instrument :
BNA_M
ClientSampleId :
WC-14A-3-1

Tgt Ion:278 Resp: 109590
Ion Ratio Lower Upper
278 100
139 31.7 11.2 16.8
279 47.6 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.081 ng
RT: 27.212 min Scan# 4076
Delta R.T. 0.012 min
Lab File: BM034368.D
Acq: 24 Mar 2022 18:39

Tgt Ion:276 Resp: 122164
Ion Ratio Lower Upper
276 100
277 30.4 19.0 28.4#
138 26.8 15.6 23.4#

