

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011422\
 Data File : BM033742.D
 Acq On : 14 Jan 2022 23:34
 Operator : CG/JU
 Sample : N1072-02 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 V-2

Quant Time: Jan 17 00:28:33 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM010522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 13 07:49:01 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 01/17/2022
 Supervised By : Jagrut Upadhyay 01/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.960	152	225176	20.000	ng	-0.01
21) Naphthalene-d8	10.778	136	940839	20.000	ng	-0.01
39) Acenaphthene-d10	14.601	164	588180	20.000	ng	0.00
64) Phenanthrene-d10	17.336	188	989006	20.000	ng	0.00
76) Chrysene-d12	21.501	240	725079	20.000	ng	0.00
86) Perylene-d12	23.918	264	803218	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.507	112	246557	17.269	ng	0.00
7) Phenol-d6	7.119	99	324276	16.852	ng	0.00
23) Nitrobenzene-d5	9.119	82	209558	10.286	ng	-0.02
42) 2,4,6-Tribromophenol	16.077	330	109684	17.854	ng	-0.01
45) 2-Fluorobiphenyl	13.230	172	478985	10.666	ng	-0.01
79) Terphenyl-d14	19.948	244	435914	10.821	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.831	128	157828	3.061	ng	99
52) Acenaphthene	14.666	154	90825	2.480	ng	98
55) Dibenzofuran	14.995	168	232362	4.233	ng	96
58) Fluorene	15.642	166	136074	3.236	ng	96
71) Phenanthrene	17.383	178	2735064	48.329	ng	99
72) Anthracene	17.465	178	549249	9.894	ng	98
73) Carbazole	17.736	167	310380	5.931	ng	99
75) Fluoranthene	19.389	202	2636489	44.376	ng	99
78) Pyrene	19.748	202	2035736	39.877	ng	99
80) Butylbenzylphthalate	20.636	149	64439	2.826	ng	94
81) Benzo(a)anthracene	21.483	228	1001019	20.359	ng	97
83) Chrysene	21.536	228	869892	18.488	ng	96
87) Indeno(1,2,3-cd)pyrene	26.441	276	488272	8.243	ng	96
88) Benzo(b)fluoranthene	23.183	252	1084919	21.186	ng	95
89) Benzo(k)fluoranthene	23.224	252	377123m	7.598	ng	
90) Benzo(a)pyrene	23.806	252	723441	17.022	ng	96
91) Dibenzo(a,h)anthracene	26.453	278	130186	2.646	ng	# 88
92) Benzo(g,h,i)perylene	27.218	276	431557	8.922	ng	98

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

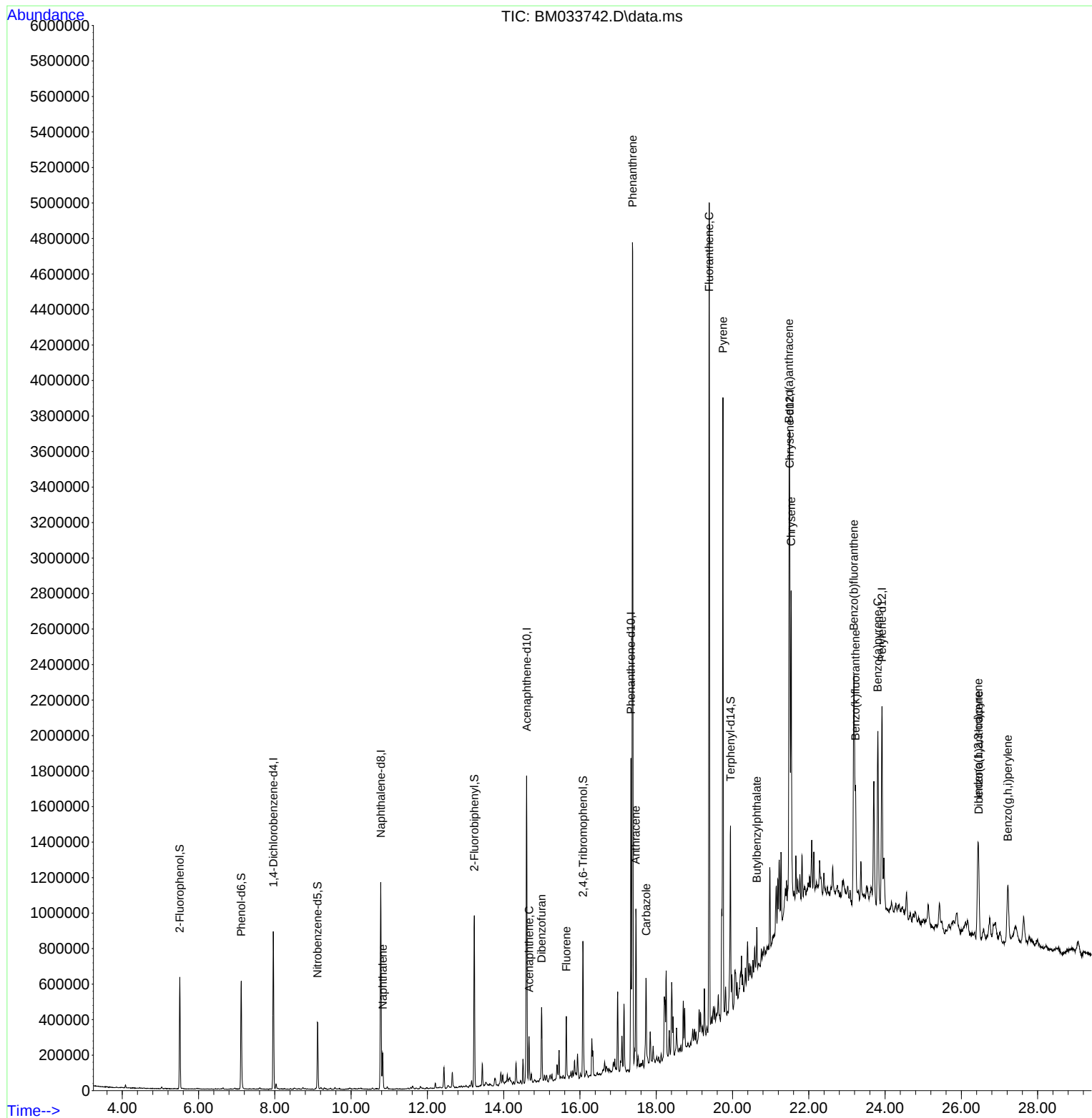
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM011422\
Data File : BM033742.D
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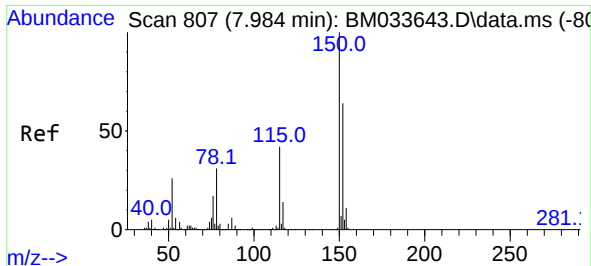
Instrument :
BNA_M
ClientSampleId :
V-2

Quant Time: Jan 17 00:28:33 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM010522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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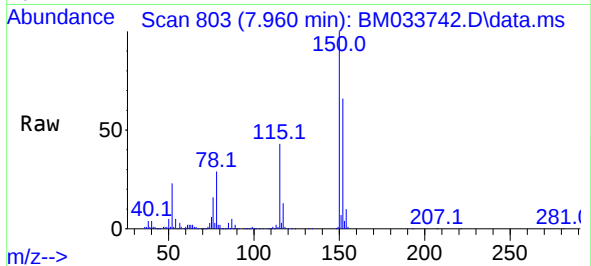
Reviewed By : Christian Giraldo 01/17/2022
Supervised By : Jagrut Upadhyay 01/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.960 min Scan# 807
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

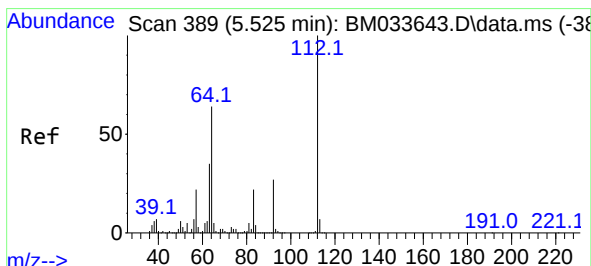
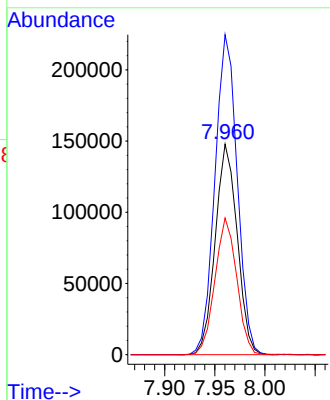
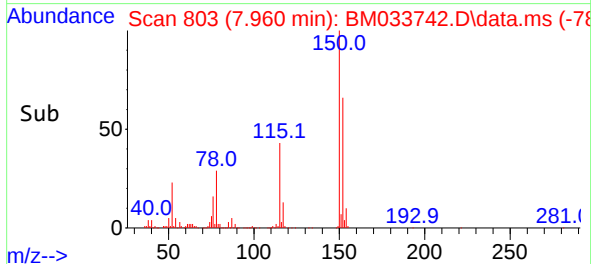
Instrument :
BNA_M
ClientSampleId :
V-2



Tgt Ion:152 Resp: 225170
Ion Ratio Lower Upper
152 100
150 152.0 128.9 193.3
115 64.9 53.0 79.6

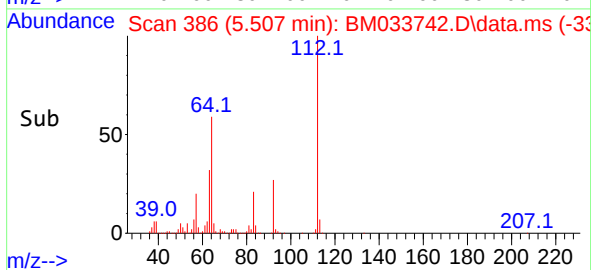
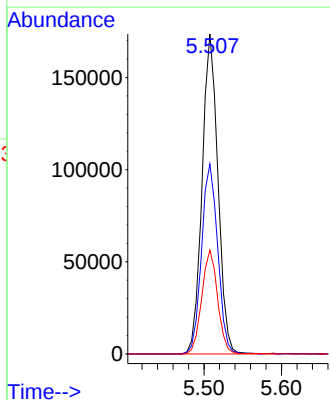
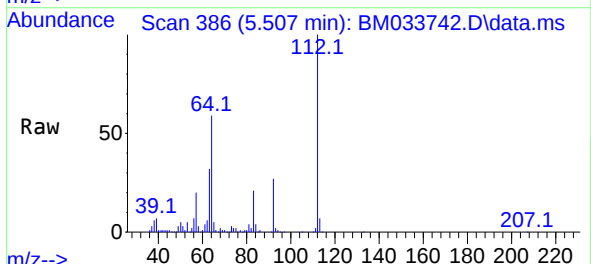
Manual Integrations
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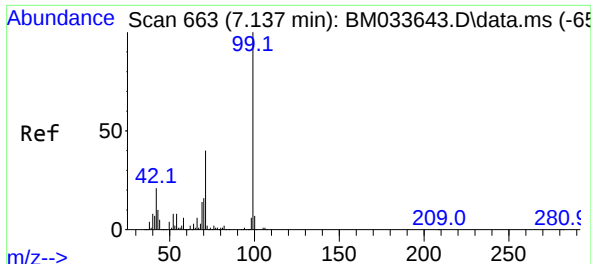
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022



#5
2-Fluorophenol
Concen: 17.269 ng
RT: 5.507 min Scan# 386
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

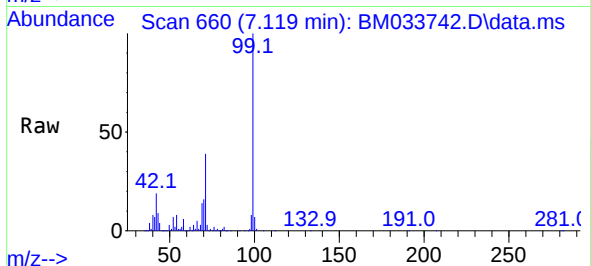
Tgt Ion:112 Resp: 246557
Ion Ratio Lower Upper
112 100
64 59.4 55.5 83.3
63 32.5 31.3 46.9





#7
Phenol-d6
Concen: 16.852 ng
RT: 7.119 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

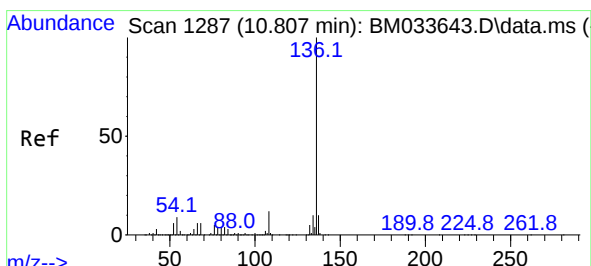
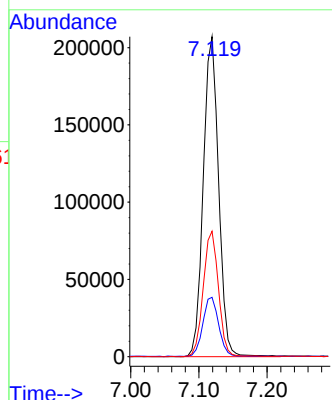
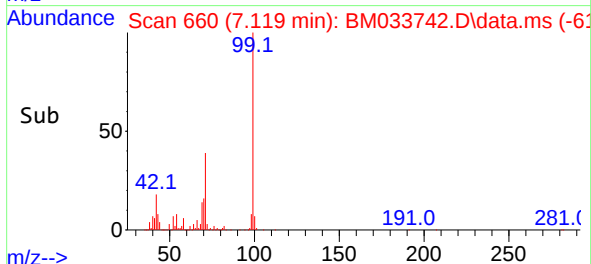
Instrument :
BNA_M
ClientSampleId :
V-2



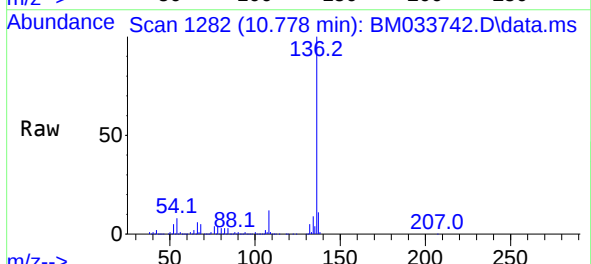
Tgt Ion: 99 Resp: 324270
Ion Ratio Lower Upper
99 100
42 18.6 20.3 30.5
71 39.2 34.5 51.7

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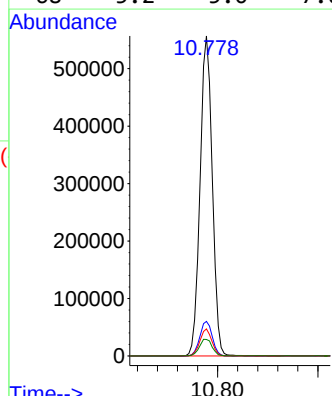
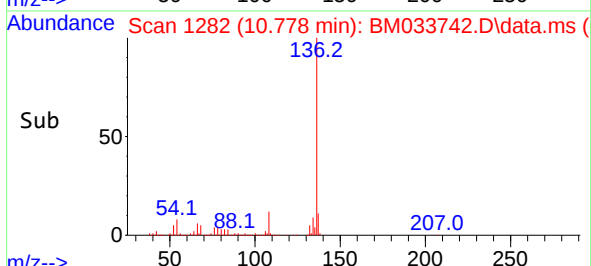
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022

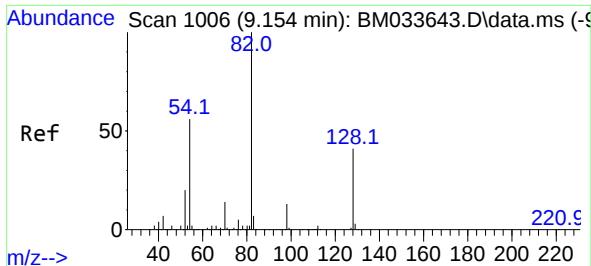


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.778 min Scan# 1282
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34



Tgt Ion:136 Resp: 940839
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 8.3 12.5
68 5.2 5.0 7.6





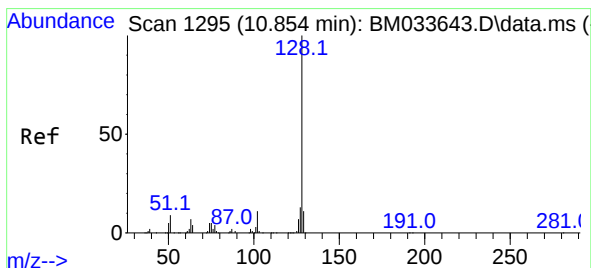
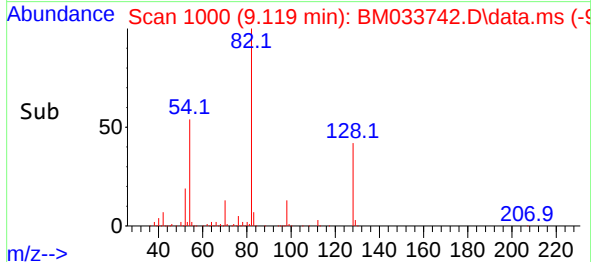
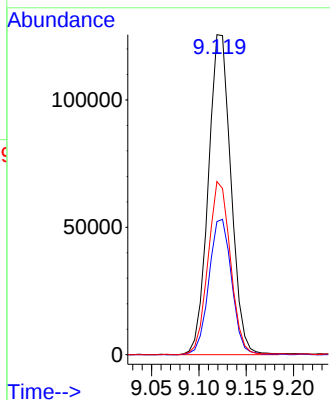
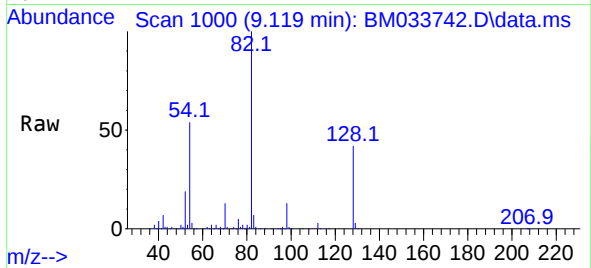
#23
Nitrobenzene-d5
Concen: 10.286 ng
RT: 9.119 min Scan# 1000
Delta R.T. -0.017 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Instrument :
BNA_M
ClientSampleId :
V-2

Tgt Ion: 82 Resp: 209558
Ion Ratio Lower Upper
82 100
128 41.6 28.1 42.1
54 54.1 46.1 69.1

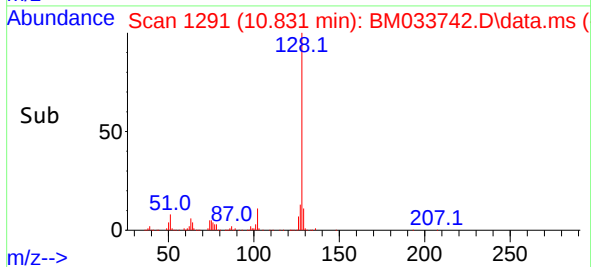
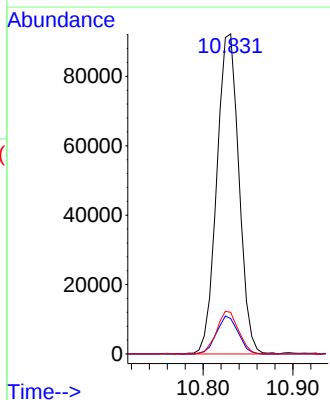
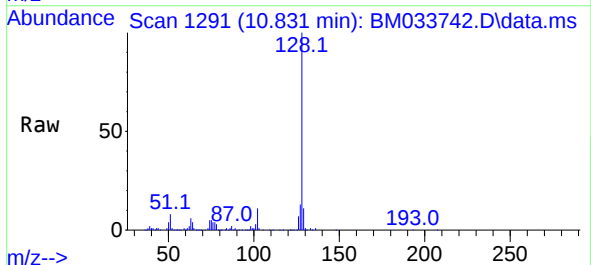
Manual Integrations
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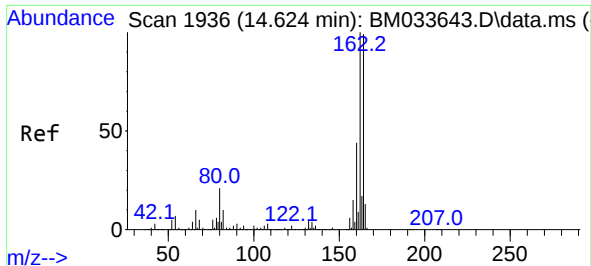
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022



#31
Naphthalene
Concen: 3.061 ng
RT: 10.831 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Tgt Ion:128 Resp: 157828
Ion Ratio Lower Upper
128 100
129 11.1 8.5 12.7
127 13.0 10.8 16.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.601 min Scan# 1932

Delta R.T. -0.006 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

Instrument :

BNA_M

ClientSampleId :

V-2

Tgt Ion:164 Resp: 588180

Ion Ratio Lower Upper

164 100

162 103.3 79.7 119.5

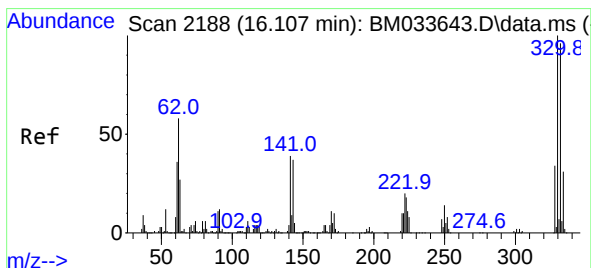
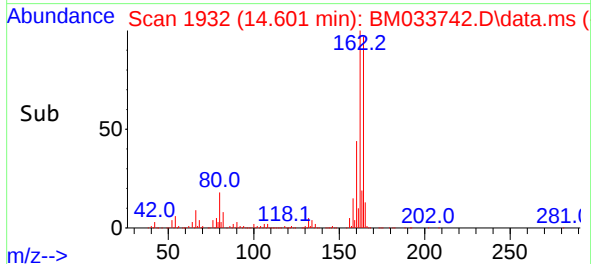
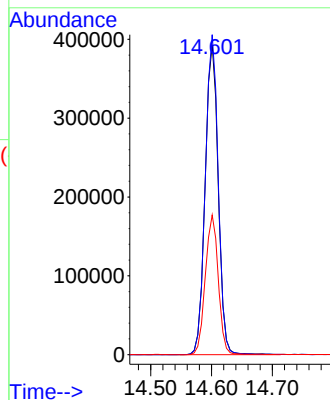
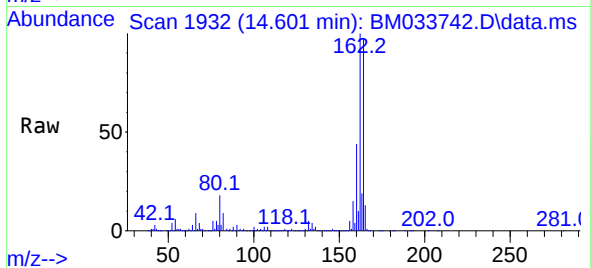
160 45.1 34.2 51.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/17/2022



#42

2,4,6-Tribromophenol

Concen: 17.854 ng

RT: 16.077 min Scan# 2183

Delta R.T. -0.012 min

Lab File: BM033742.D

Acq: 14 Jan 2022 23:34

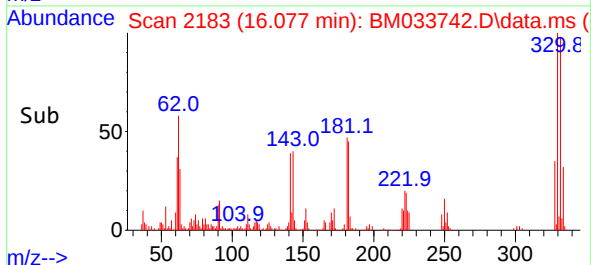
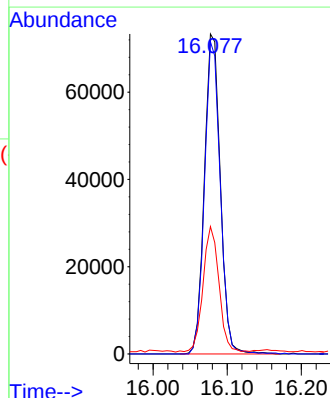
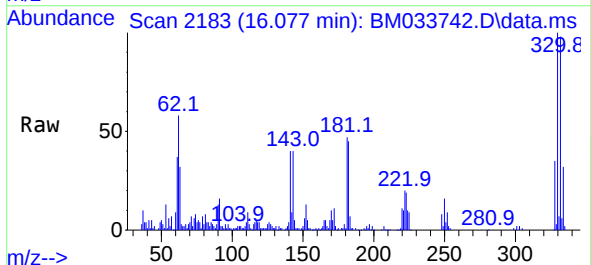
Tgt Ion:330 Resp: 109684

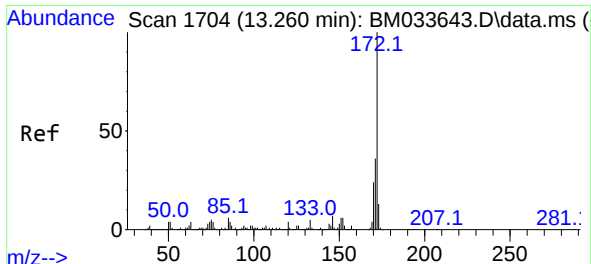
Ion Ratio Lower Upper

330 100

332 96.6 76.5 114.7

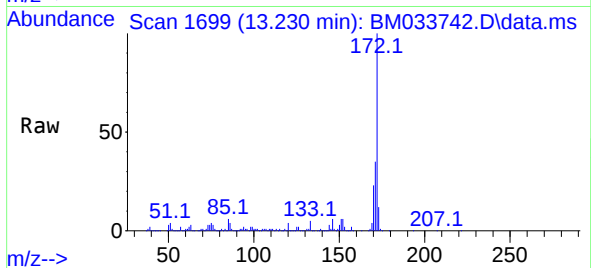
141 39.3 35.9 53.9





#45
2-Fluorobiphenyl
Concen: 10.666 ng
RT: 13.230 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

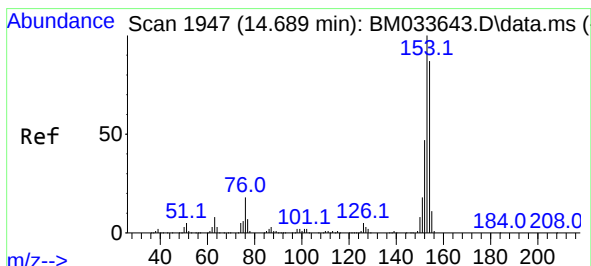
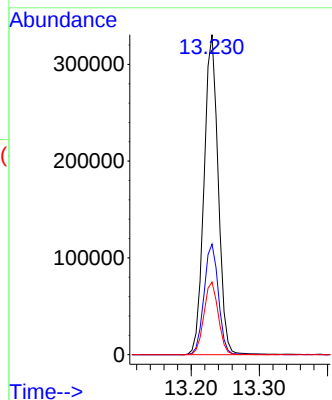
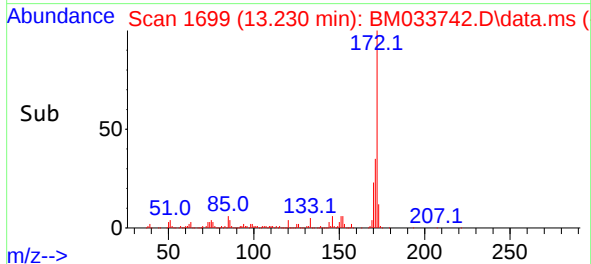
Instrument :
BNA_M
ClientSampleId :
V-2



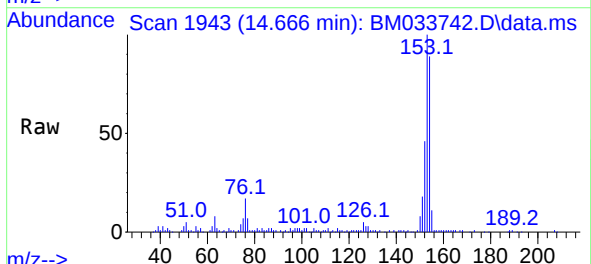
Tgt Ion:172 Resp: 47898
Ion Ratio Lower Upper
172 100
171 34.5 27.2 40.8
170 22.7 18.7 28.1

Manual Integrations
APPROVED

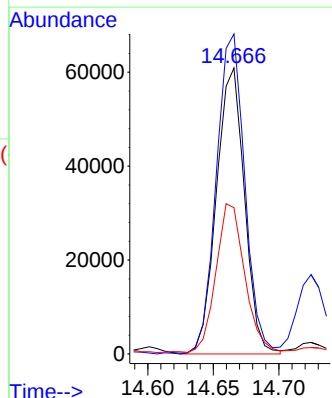
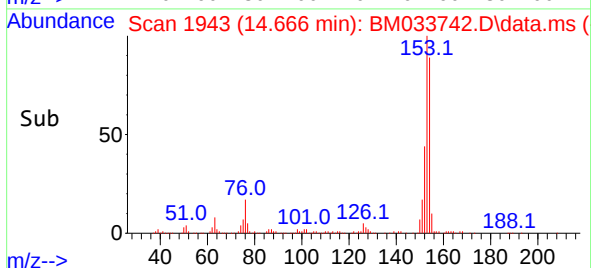
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022

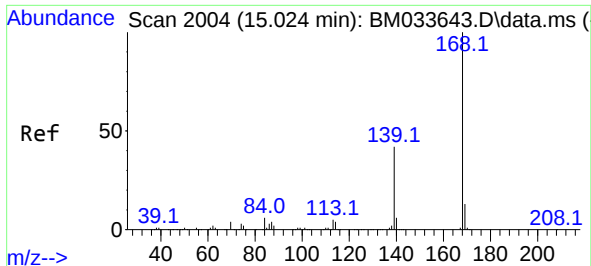


#52
Acenaphthene
Concen: 2.480 ng
RT: 14.666 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34



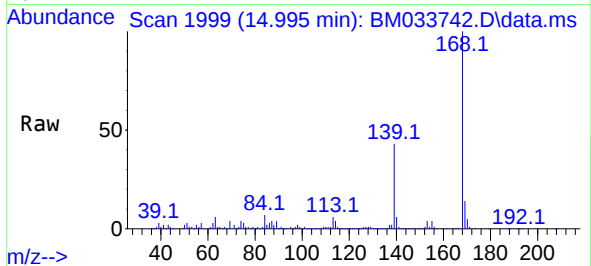
Tgt Ion:154 Resp: 90825
Ion Ratio Lower Upper
154 100
153 111.9 90.2 135.4
152 51.1 43.5 65.3





#55
Dibenzenofuran
Concen: 4.233 ng
RT: 14.995 min Scan# 1999
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

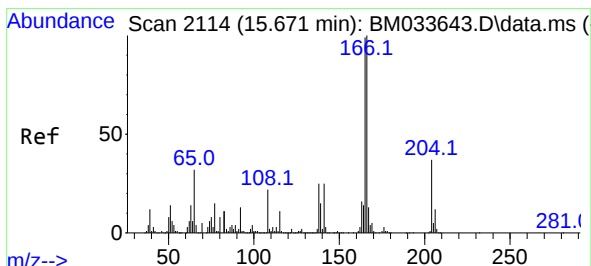
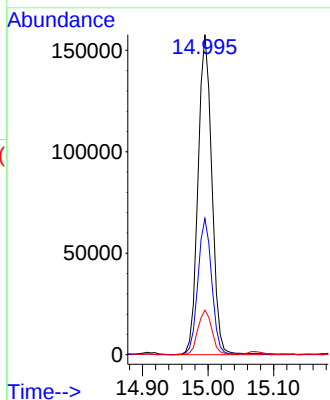
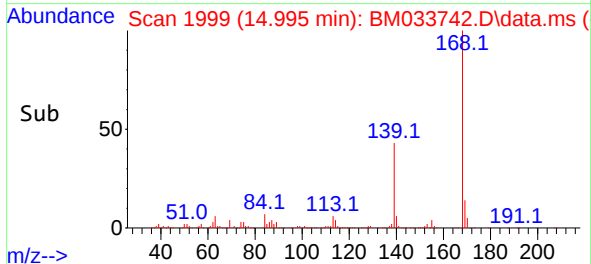
Instrument :
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ClientSampleId :
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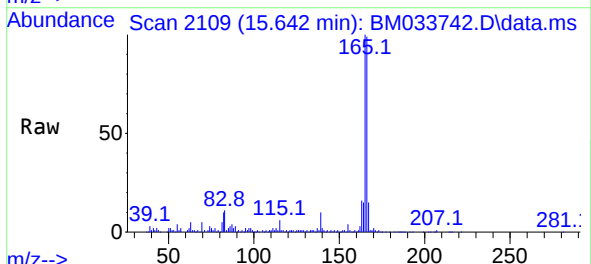
Tgt Ion:168 Resp: 232362
Ion Ratio Lower Upper
168 100
139 42.5 31.4 47.2
169 13.9 10.6 15.8

Manual Integrations
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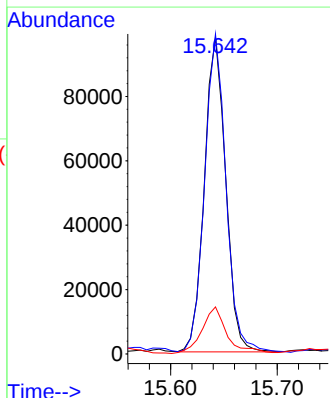
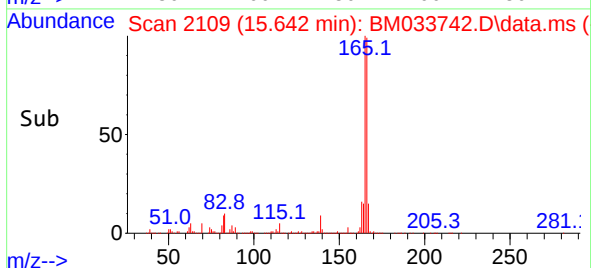
Reviewed By :Christian Giraldo 01/17/2022
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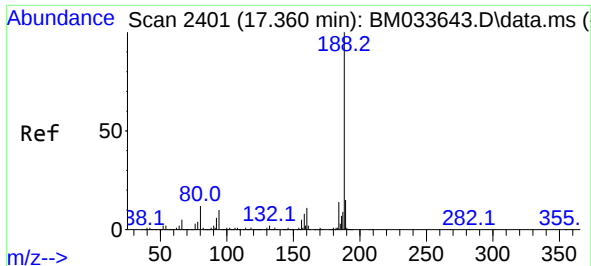


#58
Fluorene
Concen: 3.236 ng
RT: 15.642 min Scan# 2109
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34



Tgt Ion:166 Resp: 136074
Ion Ratio Lower Upper
166 100
165 101.0 78.1 117.1
167 14.8 10.6 15.8





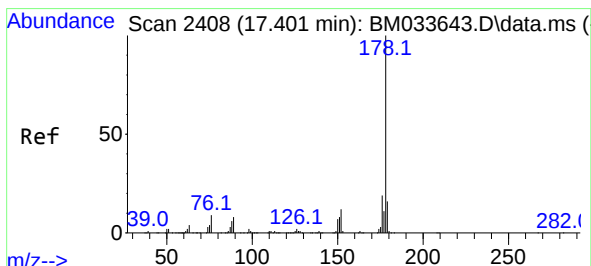
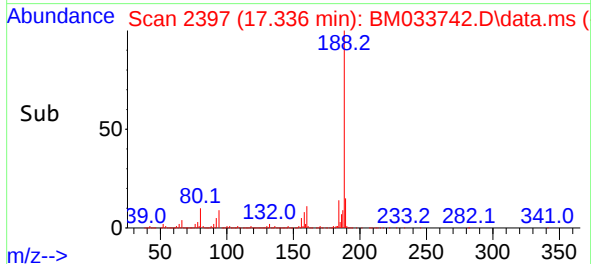
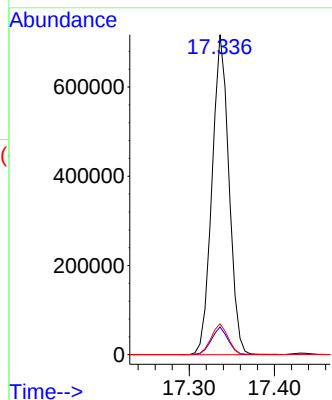
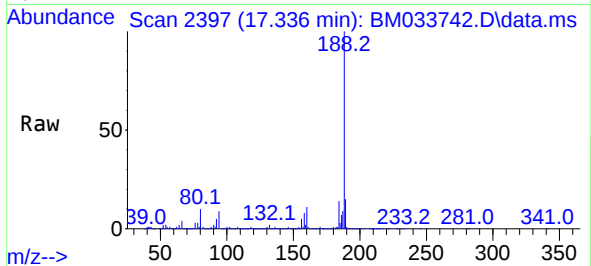
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.336 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Instrument :
BNA_M
ClientSampleId :
V-2

Tgt Ion:188 Resp: 989000
Ion Ratio Lower Upper
188 100
94 8.6 7.5 11.3
80 9.6 8.9 13.3

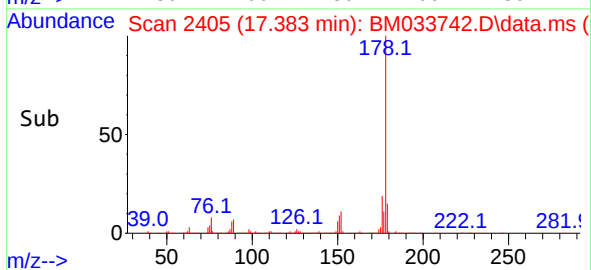
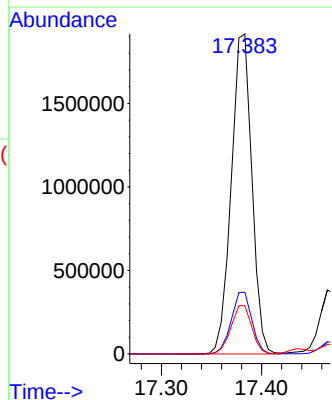
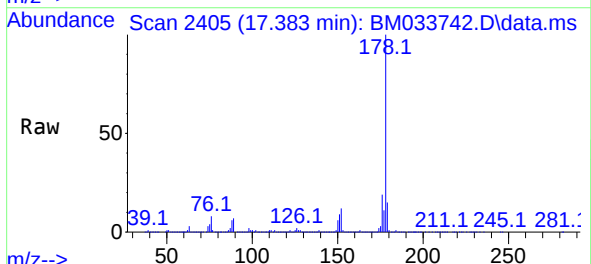
Manual Integrations
APPROVED

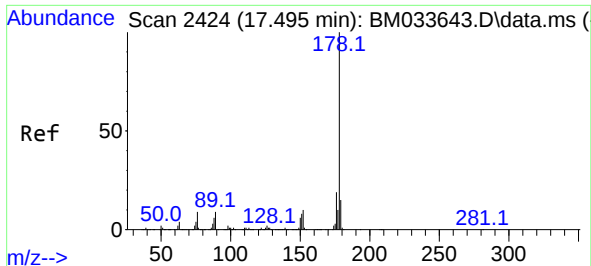
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022



#71
Phenanthrene
Concen: 48.329 ng
RT: 17.383 min Scan# 2405
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

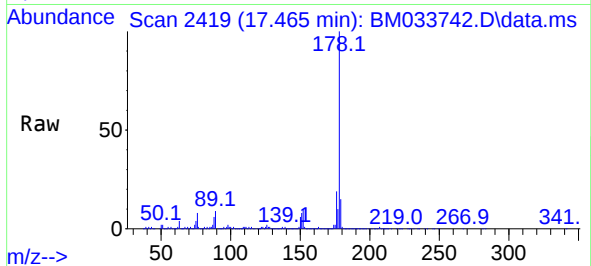
Tgt Ion:178 Resp: 2735064
Ion Ratio Lower Upper
178 100
176 19.3 15.1 22.7
179 15.1 12.0 18.0





#72
 Anthracene
 Concen: 9.894 ng
 RT: 17.465 min Scan# 2424
 Delta R.T. -0.012 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34

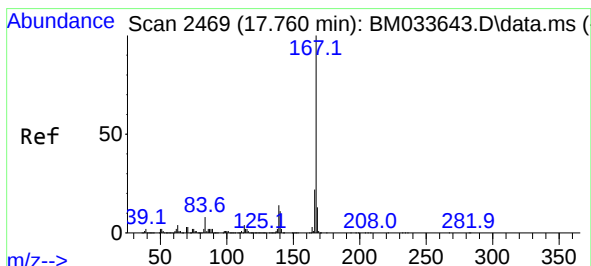
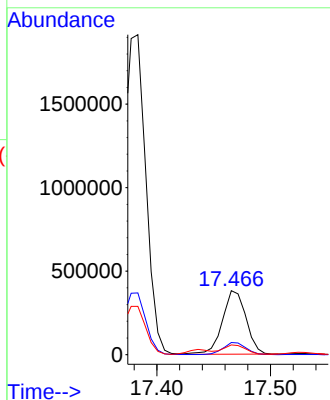
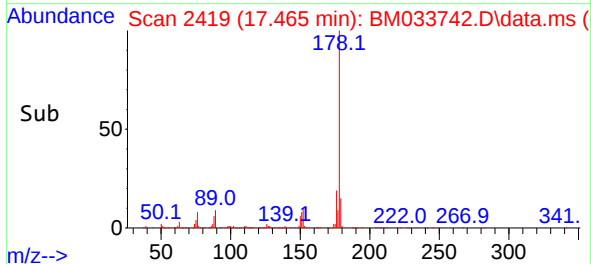
Instrument :
 BNA_M
 ClientSampleId :
 V-2



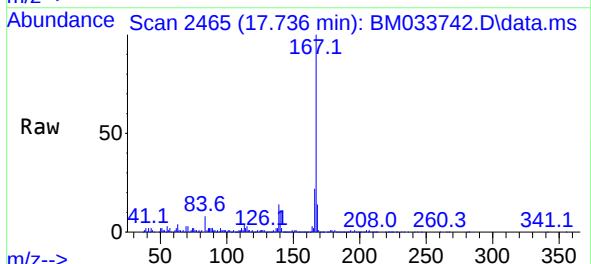
Tgt Ion:178 Resp: 549249
 Ion Ratio Lower Upper
 178 100
 176 19.0 14.5 21.7
 179 15.3 11.9 17.9

Manual Integrations
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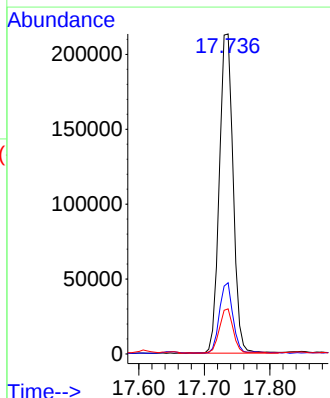
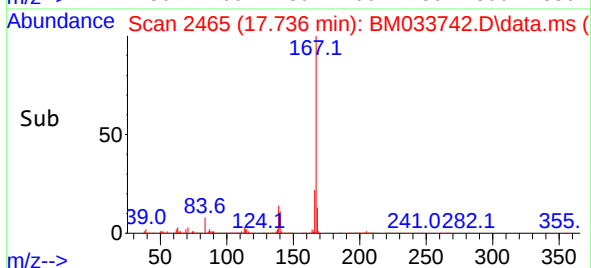
Reviewed By :Christian Giraldo 01/17/2022
 Supervised By :Jagrut Upadhyay 01/17/2022

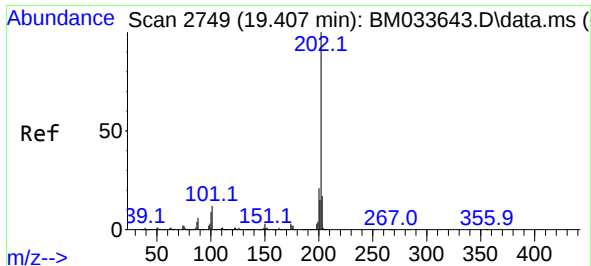


#73
 Carbazole
 Concen: 5.931 ng
 RT: 17.736 min Scan# 2465
 Delta R.T. -0.006 min
 Lab File: BM033742.D
 Acq: 14 Jan 2022 23:34



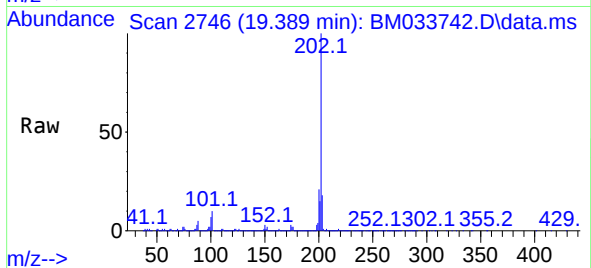
Tgt Ion:167 Resp: 310380
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.2 25.8
 139 14.1 11.0 16.4





#75
Fluoranthene
Concen: 44.376 ng
RT: 19.389 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

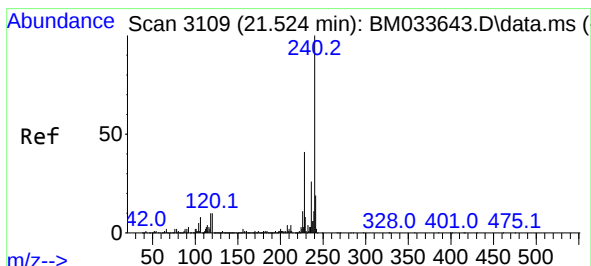
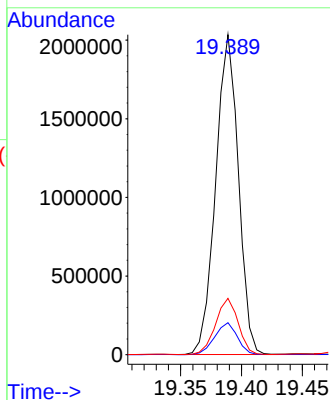
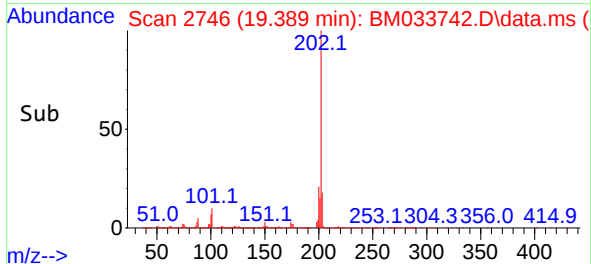
Instrument :
BNA_M
ClientSampleId :
V-2



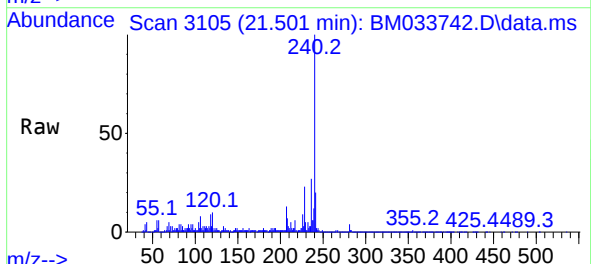
Tgt Ion:202 Resp: 2636489
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.8
203 17.6 0.0 37.2

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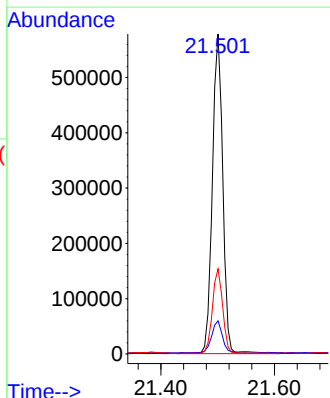
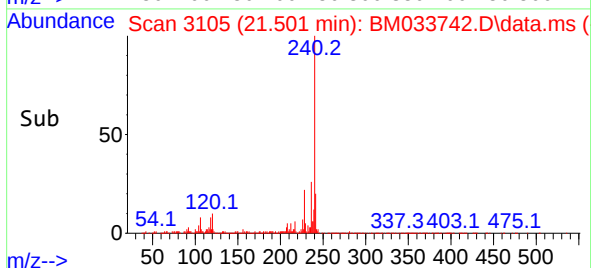
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022

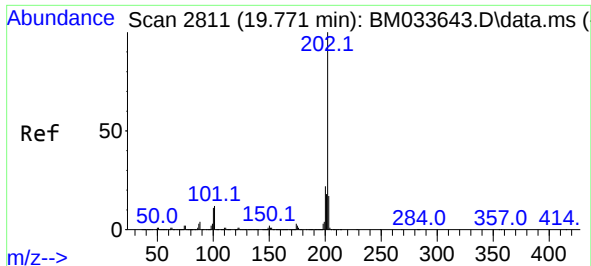


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.501 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34



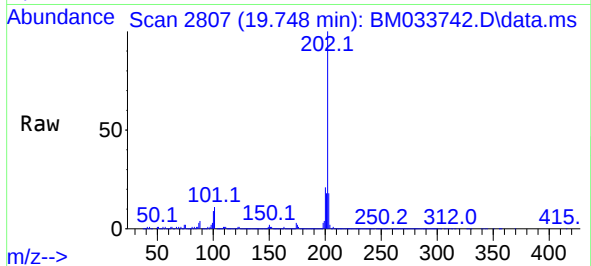
Tgt Ion:240 Resp: 725079
Ion Ratio Lower Upper
240 100
120 10.3 7.8 11.6
236 26.6 20.3 30.5





#78
Pyrene
Concen: 39.877 ng
RT: 19.748 min Scan# 2807
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

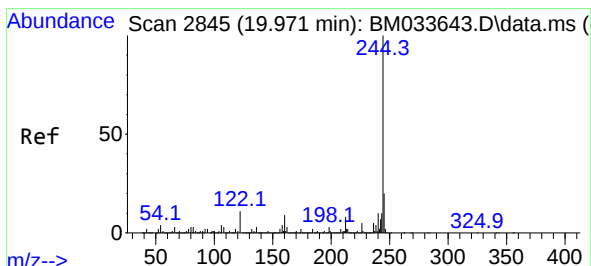
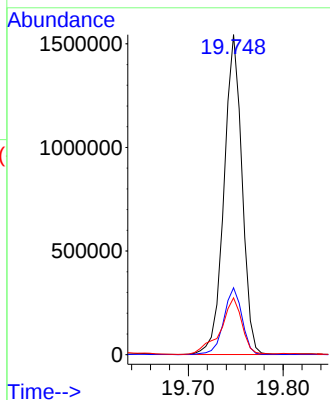
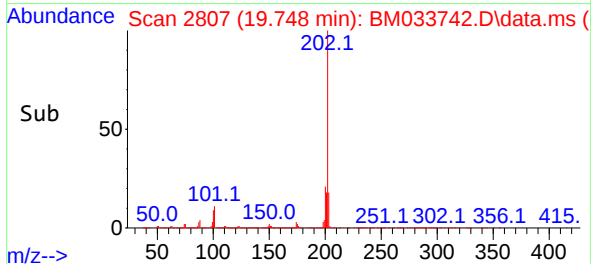
Instrument :
BNA_M
ClientSampleId :
V-2



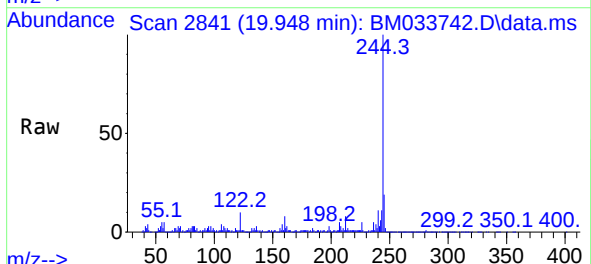
Tgt Ion:202 Resp: 2035730
Ion Ratio Lower Upper
202 100
200 20.9 16.4 24.6
203 17.7 13.5 20.3

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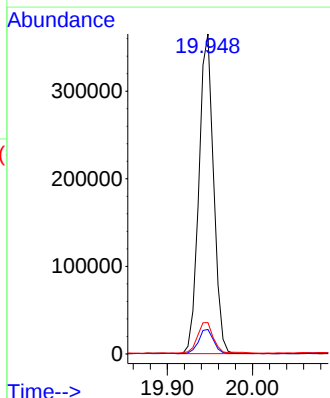
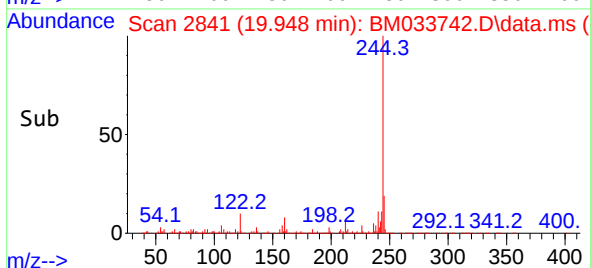
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022

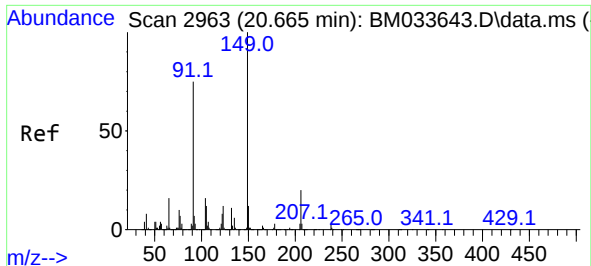


#79
Terphenyl-d14
Concen: 10.821 ng
RT: 19.948 min Scan# 2841
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34



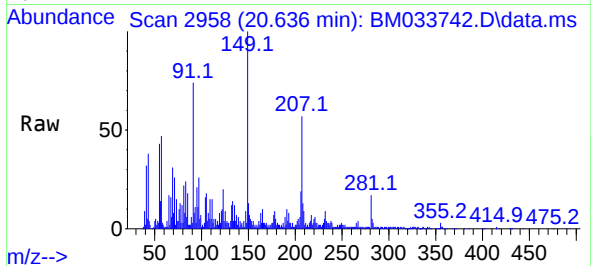
Tgt Ion:244 Resp: 435914
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 9.8 8.4 12.6





#80
Butylbenzylphthalate
Concen: 2.826 ng
RT: 20.636 min Scan# 2963
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

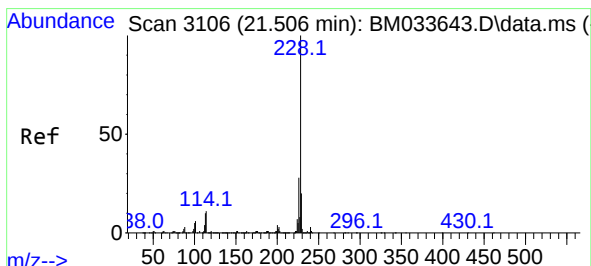
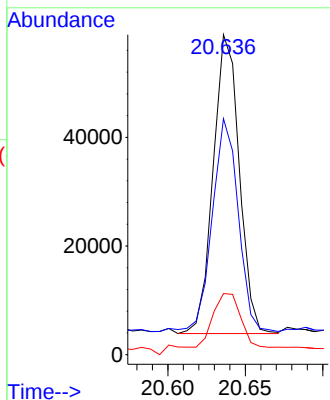
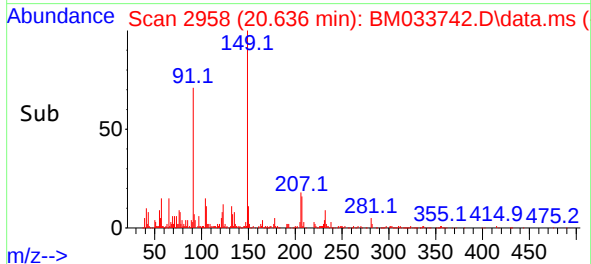
Instrument :
BNA_M
ClientSampleId :
V-2



Tgt Ion:149 Resp: 64439
Ion Ratio Lower Upper
149 100
91 73.7 63.4 95.0
206 19.1 16.8 25.2

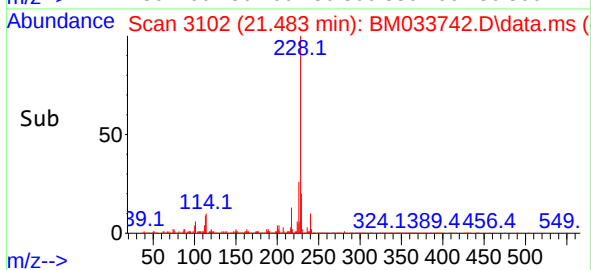
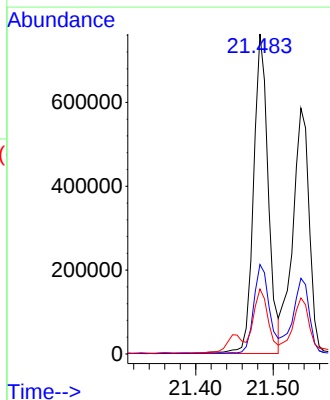
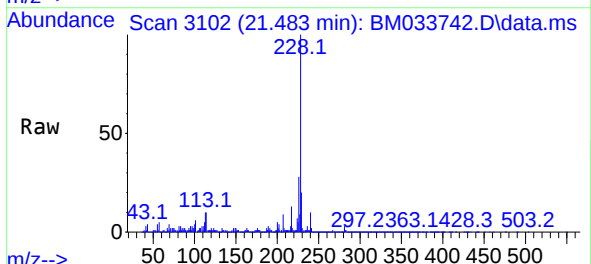
Manual Integrations
APPROVED

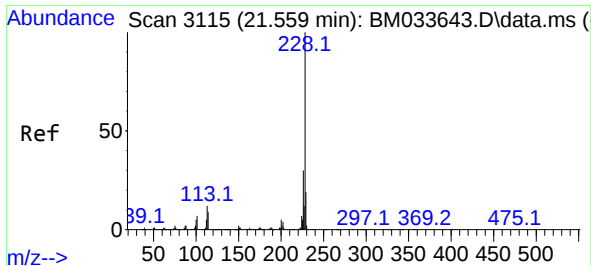
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022



#81
Benzo(a)anthracene
Concen: 20.359 ng
RT: 21.483 min Scan# 3102
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

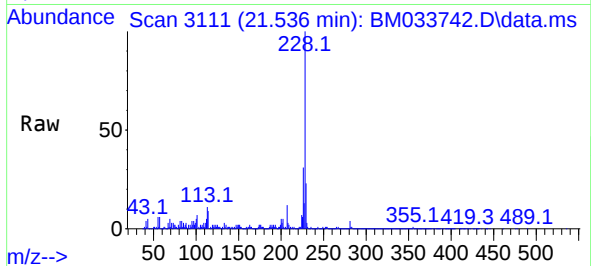
Tgt Ion:228 Resp: 1001019
Ion Ratio Lower Upper
228 100
226 28.0 21.0 31.6
229 20.3 15.5 23.3





#83
Chrysene
Concen: 18.488 ng
RT: 21.536 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

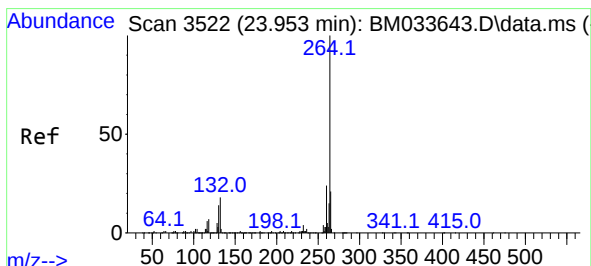
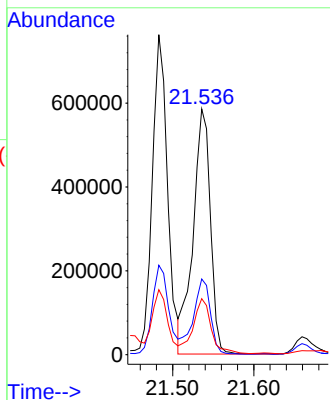
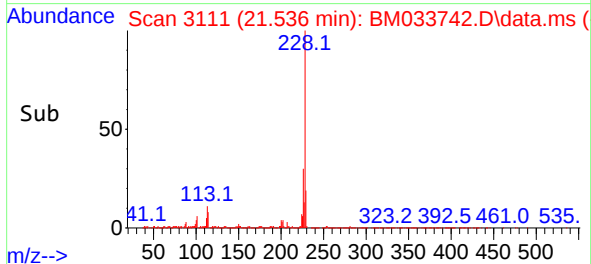
Instrument :
BNA_M
ClientSampleId :
V-2



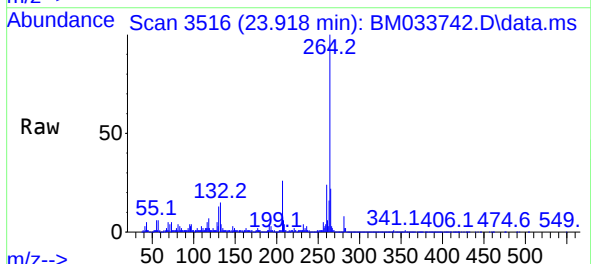
Tgt Ion:228 Resp: 869892
Ion Ratio Lower Upper
228 100
226 30.8 23.8 35.8
229 22.8 15.8 23.8

Manual Integrations
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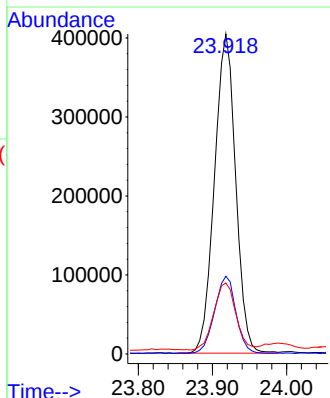
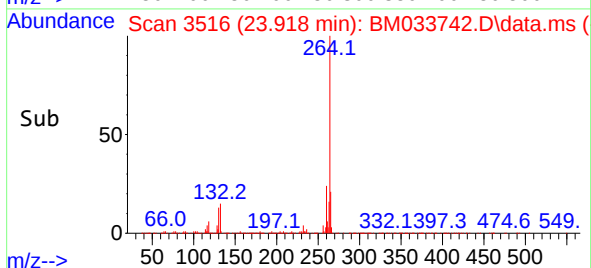
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022

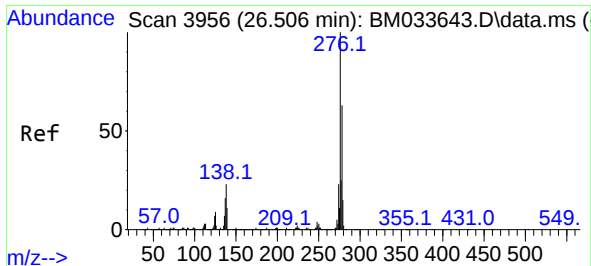


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 3516
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34



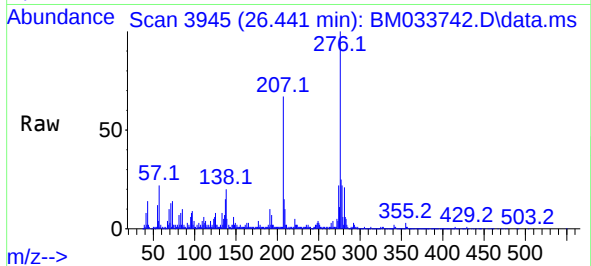
Tgt Ion:264 Resp: 803218
Ion Ratio Lower Upper
264 100
260 24.3 17.7 26.5
265 22.2 17.7 26.5





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.243 ng
RT: 26.441 min Scan# 3945
Delta R.T. -0.023 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

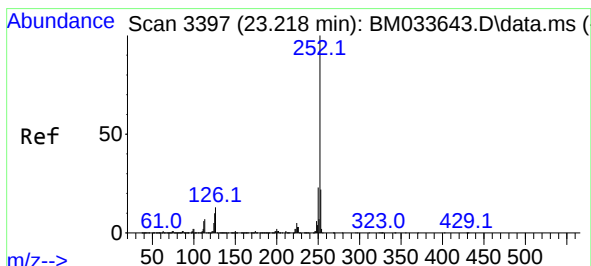
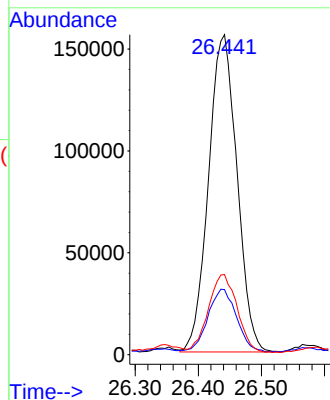
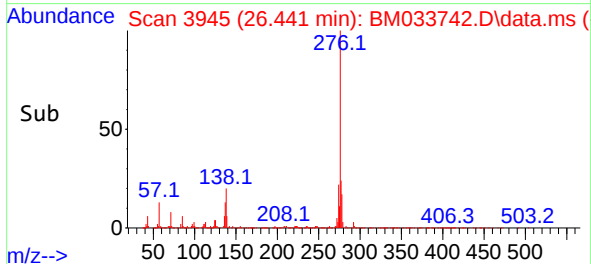
Instrument :
BNA_M
ClientSampleId :
V-2



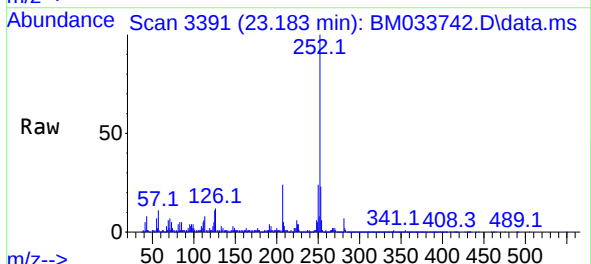
Tgt Ion:276 Resp: 488272
Ion Ratio Lower Upper
276 100
138 20.0 18.7 28.1
277 24.9 20.2 30.4

Manual Integrations
APPROVED

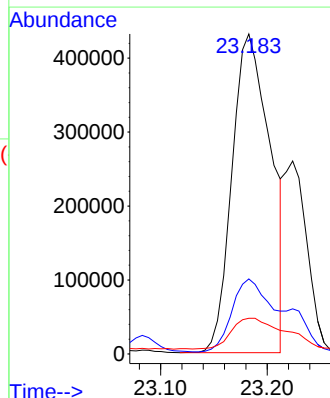
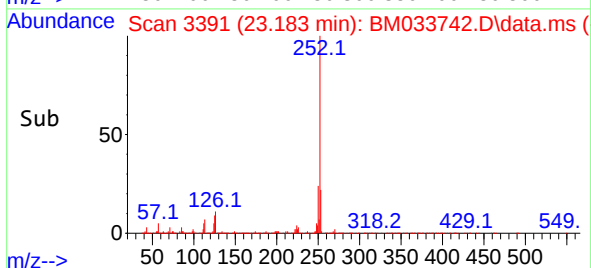
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022

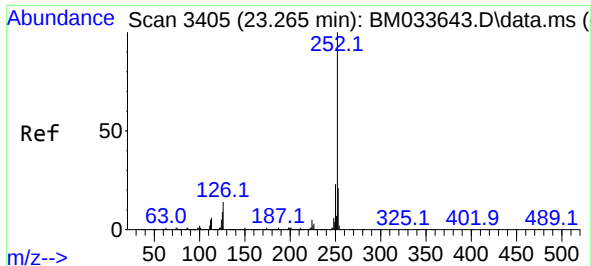


#88
Benzo(b)fluoranthene
Concen: 21.186 ng
RT: 23.183 min Scan# 3391
Delta R.T. -0.006 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34



Tgt Ion:252 Resp: 1084919
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.2 7.4 11.2





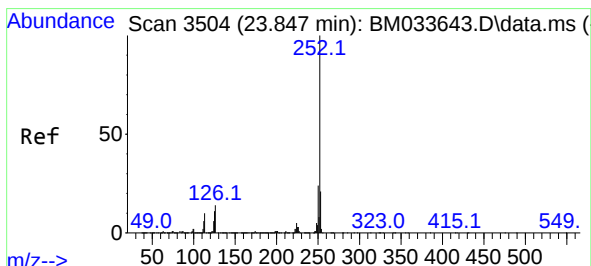
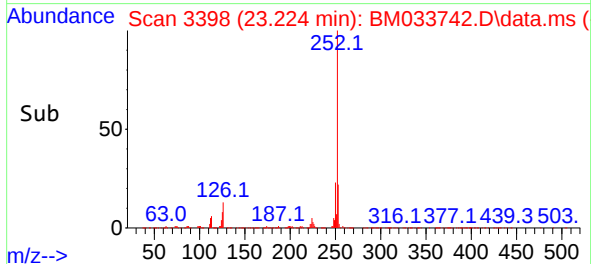
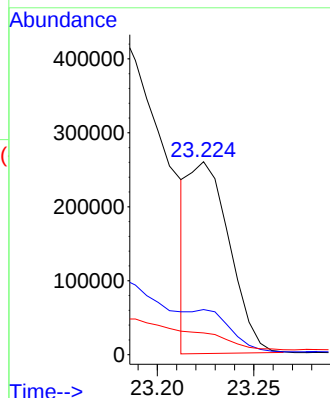
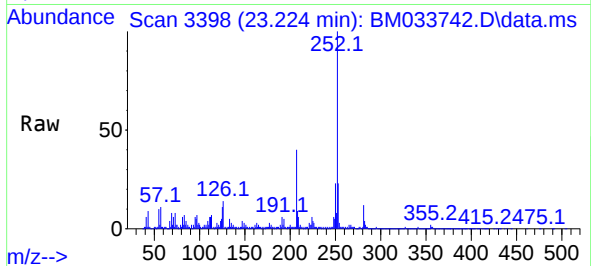
#89
Benzo(k)fluoranthene
Concen: 7.598 ng m
RT: 23.224 min Scan# 31
Delta R.T. -0.017 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

Instrument :
BNA_M
ClientSampleId :
V-2

Tgt Ion:252 Resp: 37712
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 11.3 8.1 12.1

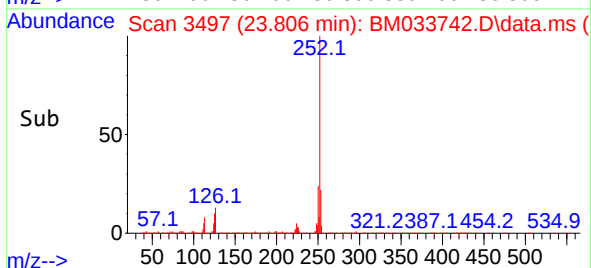
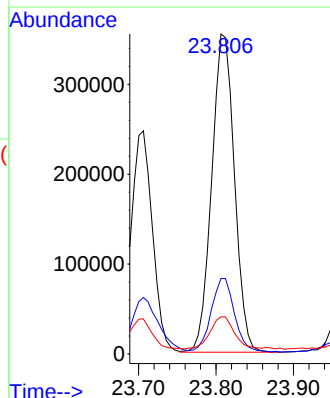
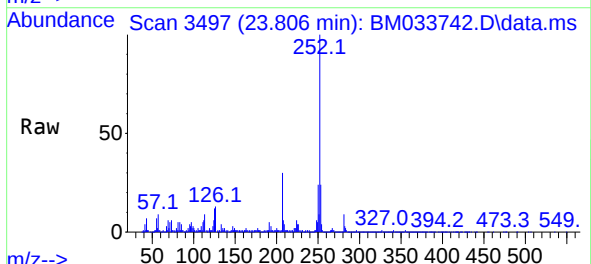
Manual Integrations
APPROVED

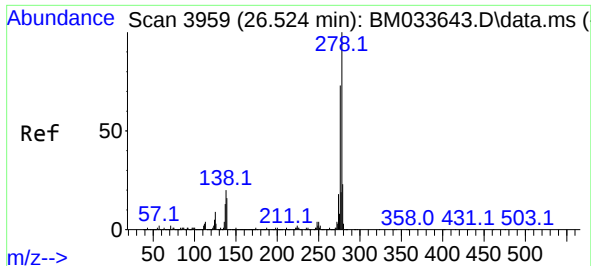
Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022



#90
Benzo(a)pyrene
Concen: 17.022 ng
RT: 23.806 min Scan# 3497
Delta R.T. -0.012 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

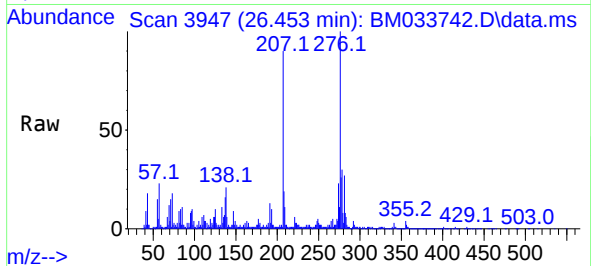
Tgt Ion:252 Resp: 723441
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 11.6 7.8 11.8





#91
Dibenzo(a,h)anthracene
Concen: 2.646 ng
RT: 26.453 min Scan# 3959
Delta R.T. -0.029 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34

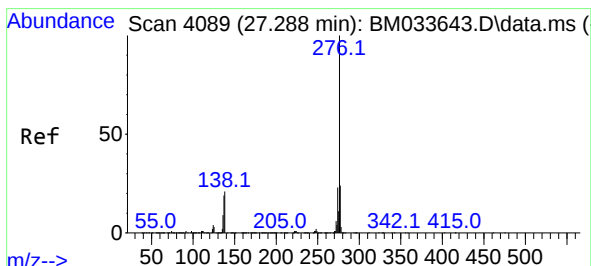
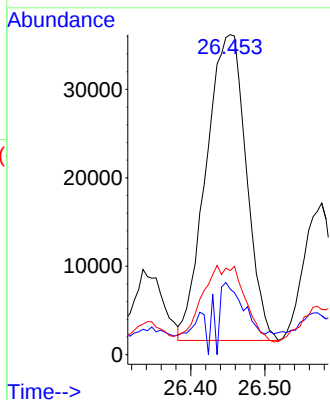
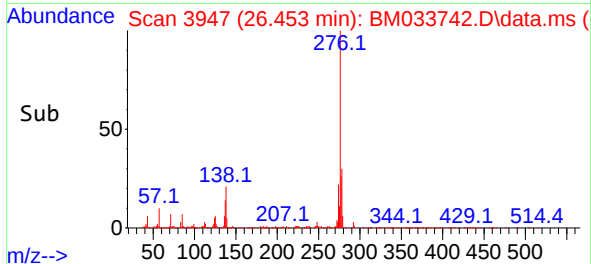
Instrument :
BNA_M
ClientSampleId :
V-2



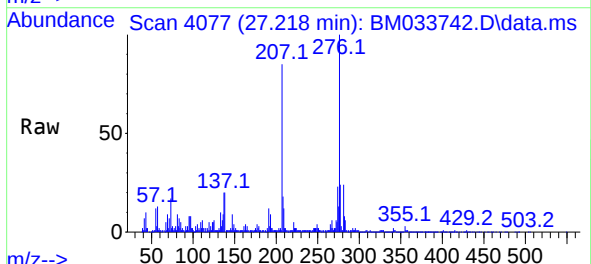
Tgt Ion:278 Resp: 130180
Ion Ratio Lower Upper
278 100
139 20.5 10.9 16.3
279 26.3 17.7 26.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 01/17/2022
Supervised By :Jagrut Upadhyay 01/17/2022



#92
Benzo(g,h,i)perylene
Concen: 8.922 ng
RT: 27.218 min Scan# 4077
Delta R.T. -0.029 min
Lab File: BM033742.D
Acq: 14 Jan 2022 23:34



Tgt Ion:276 Resp: 431557
Ion Ratio Lower Upper
276 100
277 23.8 19.1 28.7
138 19.9 14.8 22.2

