

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
 Data File : BM034387.D
 Acq On : 25 Mar 2022 16:25
 Operator : CG/JU
 Sample : N2103-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RBR-200055

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/28/2022
 Supervised By : Jagrut Upadhyay 03/28/2022

Quant Time: Mar 26 05:38:59 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	7.942	152	148253	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	552798	20.000	ng	0.00
39) Acenaphthene-d10	14.583	164	317295	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	634815	20.000	ng	0.00
76) Chrysene-d12	21.500	240	635456	20.000	ng	0.00
86) Perylene-d12	23.918	264	703949	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	936816	113.361	ng	0.00
7) Phenol-d6	7.101	99	1157048	97.789	ng	0.00
23) Nitrobenzene-d5	9.101	82	787266	69.337	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	439350	102.730	ng	0.00
45) 2-Fluorobiphenyl	13.207	172	1608000	69.251	ng	0.00
79) Terphenyl-d14	19.942	244	2522730	68.982	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.365	178	364010	10.239	ng	99
72) Anthracene	17.453	178	125587	3.629	ng	97
75) Fluoranthene	19.377	202	782052	19.623	ng	97
78) Pyrene	19.742	202	727115	16.241	ng	99
81) Benzo(a)anthracene	21.483	228	324916	8.101	ng	98
83) Chrysene	21.536	228	299385	7.310	ng	97
84) Bis(2-ethylhexyl)phtha...	21.406	149	134901	4.825	ng	97
87) Indeno(1,2,3-cd)pyrene	26.441	276	203592	4.496	ng	96
88) Benzo(b)fluoranthene	23.183	252	403793	9.592	ng #	97
89) Benzo(k)fluoranthene	23.224	252	139881m	3.137	ng	
90) Benzo(a)pyrene	23.812	252	302281	8.471	ng #	94
92) Benzo(g,h,i)perylene	27.218	276	223828	5.889	ng	98

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

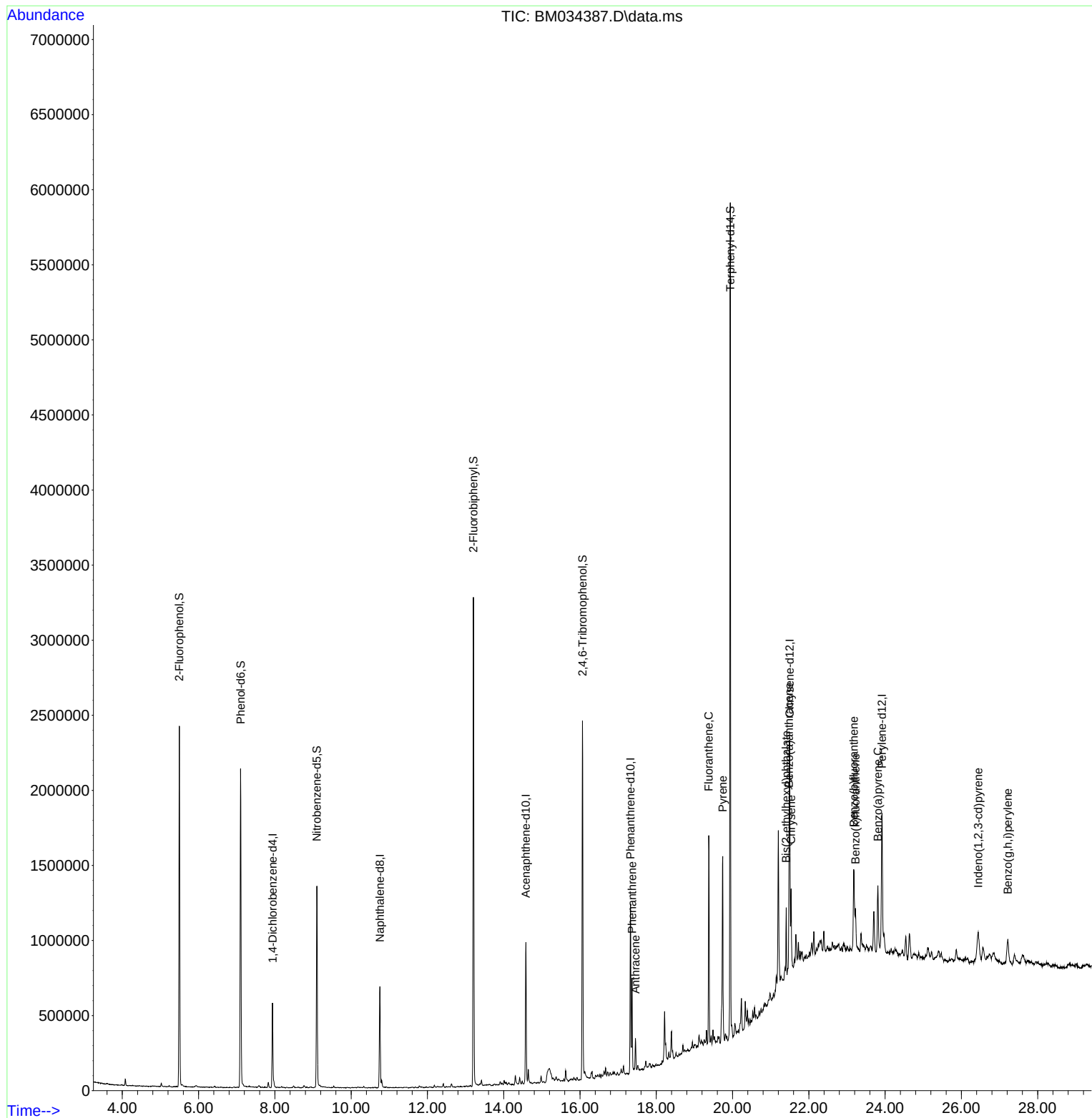
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032522\
Data File : BM034387.D
Acq On : 25 Mar 2022 16:25
Operator : CG/JU
Sample : N2103-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

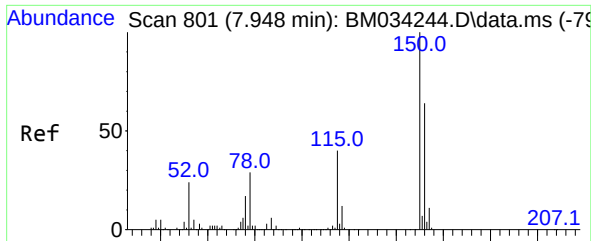
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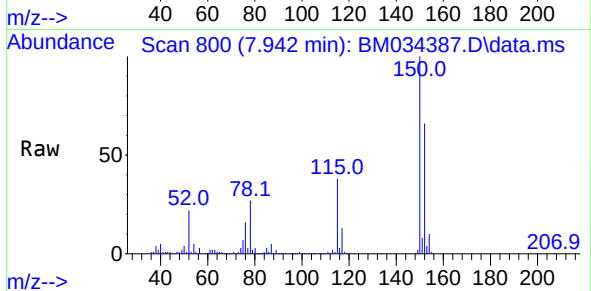
Quant Time: Mar 26 05:38:59 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 24 02:40:59 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.942 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

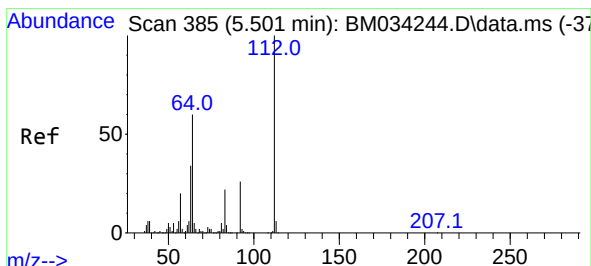
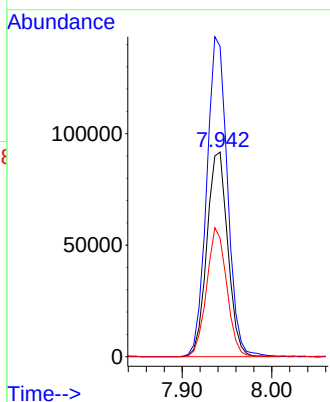
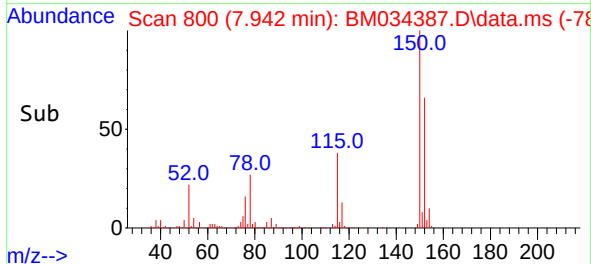
Instrument :
BNA_M
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RBR-200055



Tgt Ion:152 Resp: 14825
Ion Ratio Lower Upper
152 100
150 151.6 125.4 188.2
115 57.9 50.1 75.1

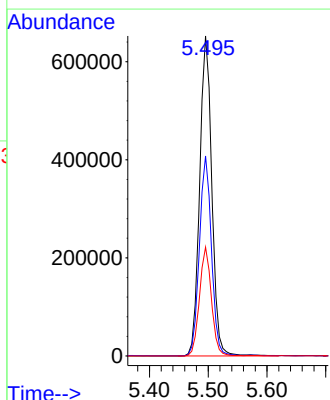
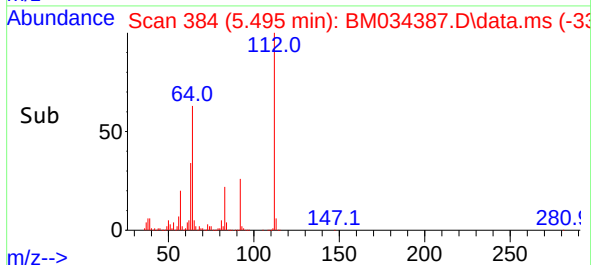
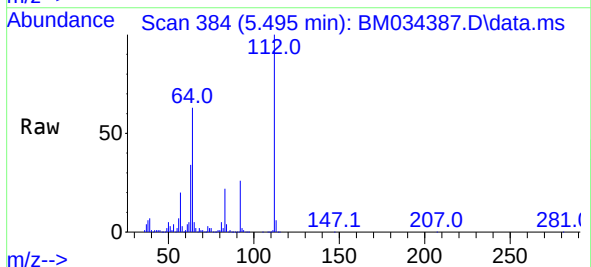
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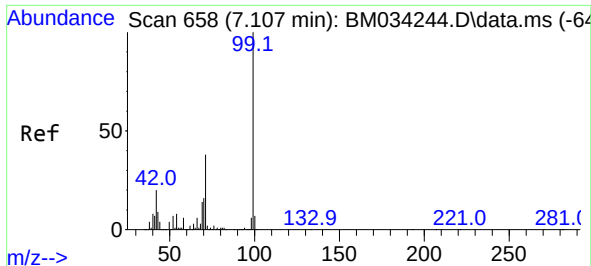
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#5
2-Fluorophenol
Concen: 113.361 ng
RT: 5.495 min Scan# 384
Delta R.T. 0.006 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

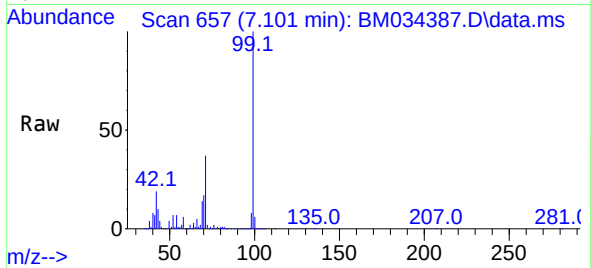
Tgt Ion:112 Resp: 936816
Ion Ratio Lower Upper
112 100
64 62.5 47.9 71.9
63 34.0 27.1 40.7





#7
Phenol-d6
Concen: 97.789 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

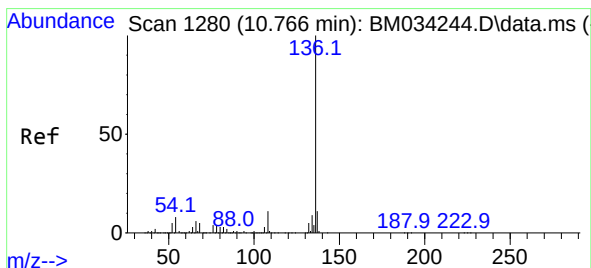
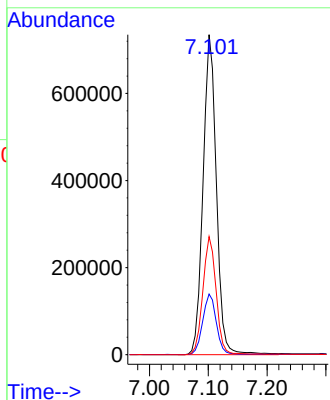
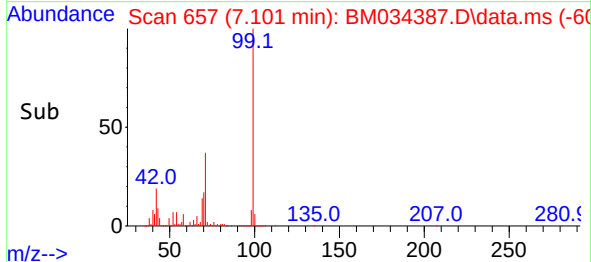
Instrument :
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ClientSampleId :
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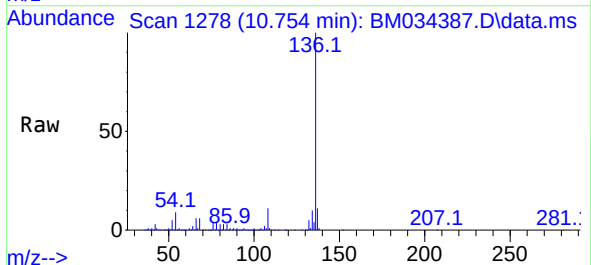
Tgt Ion: 99 Resp: 115704
Ion Ratio Lower Upper
99 100
42 19.0 15.6 23.4
71 36.9 30.6 46.0

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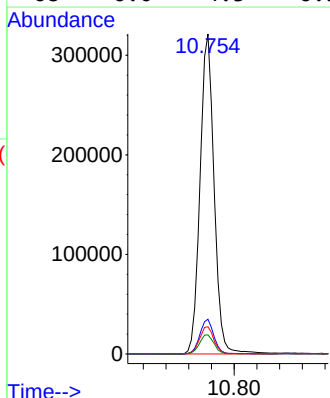
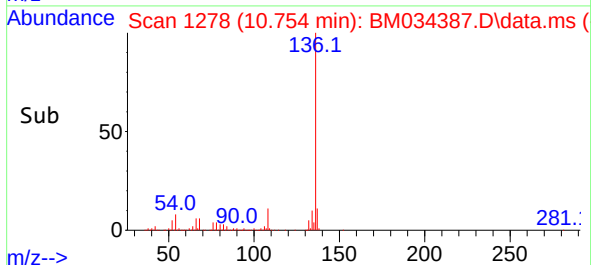
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

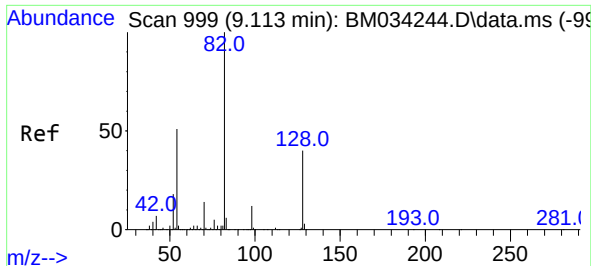


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1278
Delta R.T. -0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25



Tgt Ion:136 Resp: 552798
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.5 6.2 9.4
68 6.0 4.3 6.5





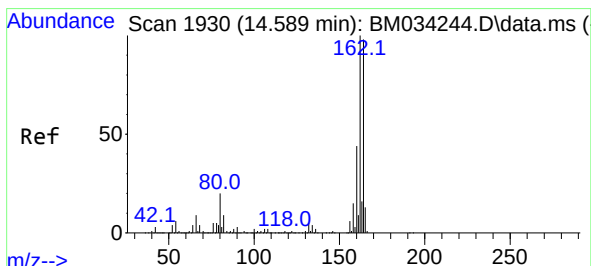
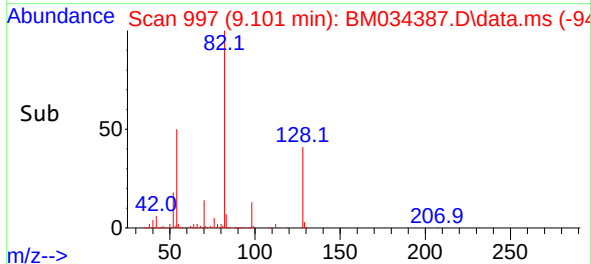
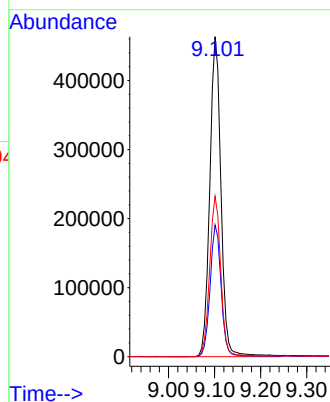
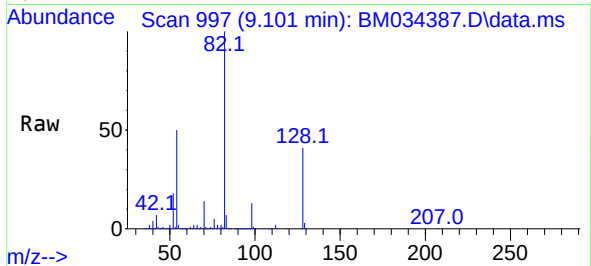
#23
Nitrobenzene-d5
Concen: 69.337 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Instrument :
BNA_M
ClientSampleId :
RBR-200055

Tgt Ion: 82 Resp: 787260
Ion Ratio Lower Upper
82 100
128 41.2 31.9 47.9
54 50.1 40.6 61.0

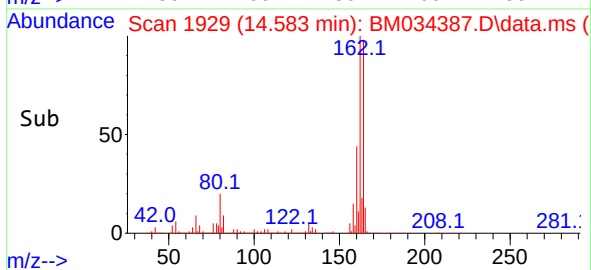
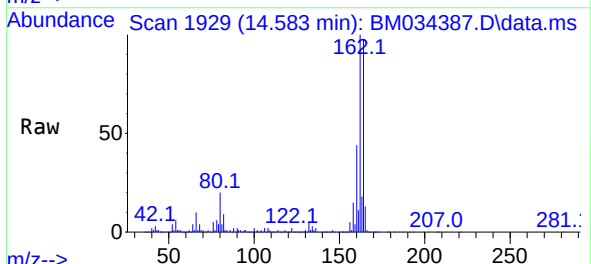
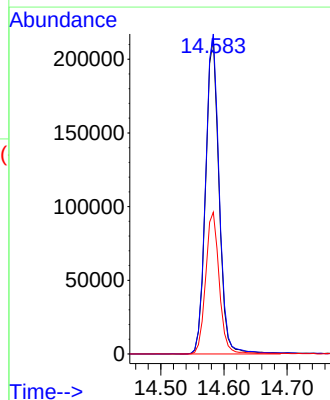
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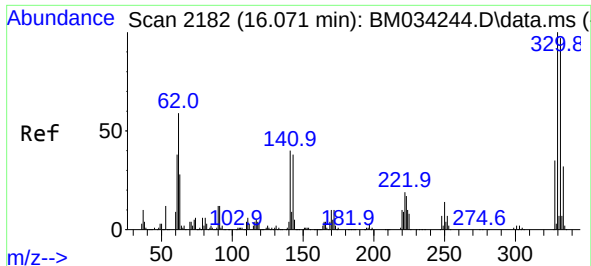
Reviewed By :Christian Giraldo 03/28/2022
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1929
Delta R.T. -0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Tgt Ion:164 Resp: 317295
Ion Ratio Lower Upper
164 100
162 101.6 81.6 122.4
160 45.0 35.6 53.4





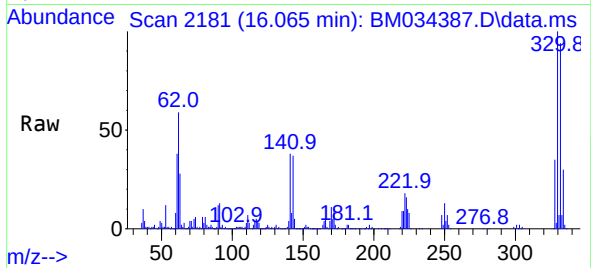
#42
2,4,6-Tribromophenol
Concen: 102.730 ng
RT: 16.065 min Scan# 2182
Delta R.T. -0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Instrument :

BNA_M

ClientSampleId :

RBR-200055

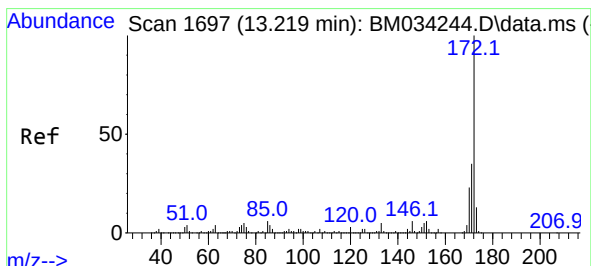
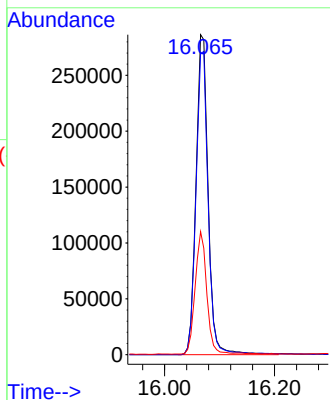
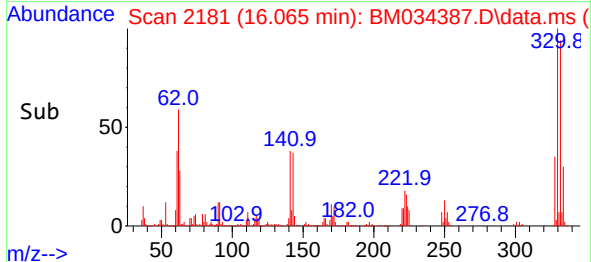


Tgt Ion:330 Resp: 439350
Ion Ratio Lower Upper
330 100
332 94.5 78.2 117.4
141 36.5 30.6 45.8

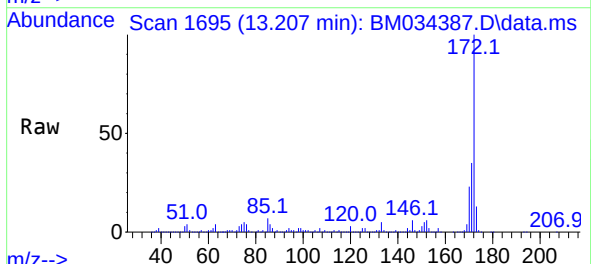
Manual Integrations

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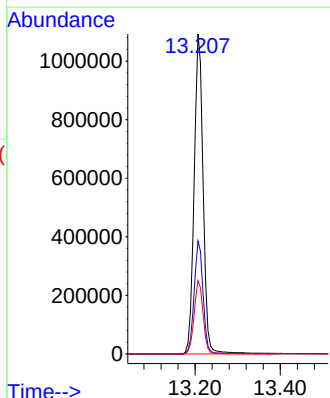
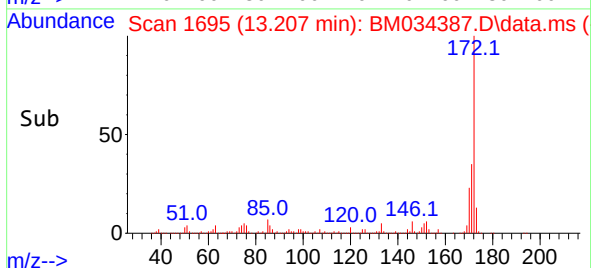
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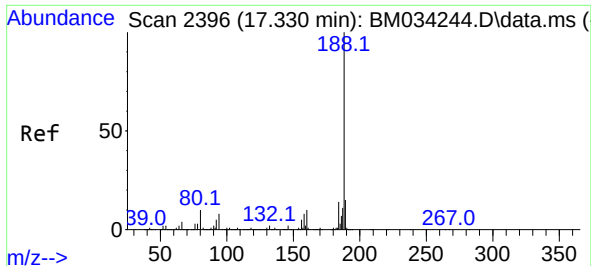


#45
2-Fluorobiphenyl
Concen: 69.251 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25



Tgt Ion:172 Resp: 1608000
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 22.9 18.6 28.0





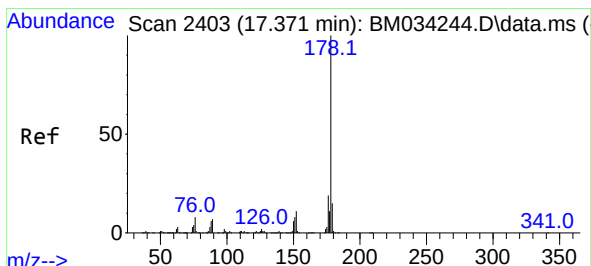
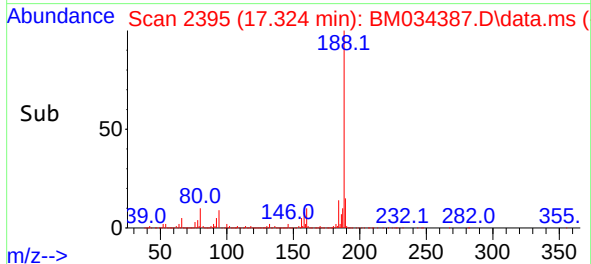
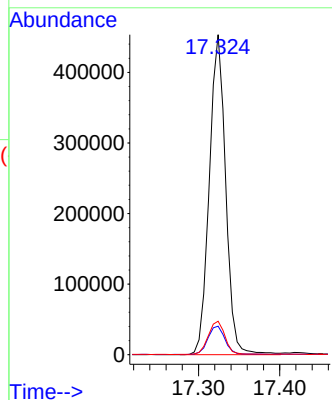
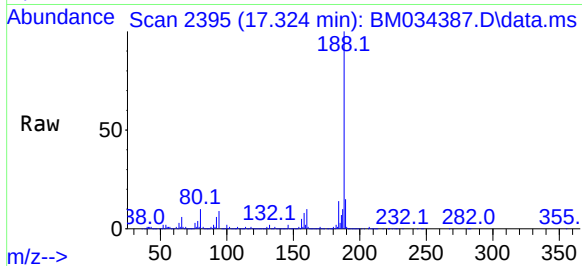
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Instrument :
BNA_M
ClientSampleId :
RBR-200055

Tgt Ion:188 Resp: 634815
Ion Ratio Lower Upper
188 100
94 8.9 6.6 9.8
80 10.5 7.8 11.8

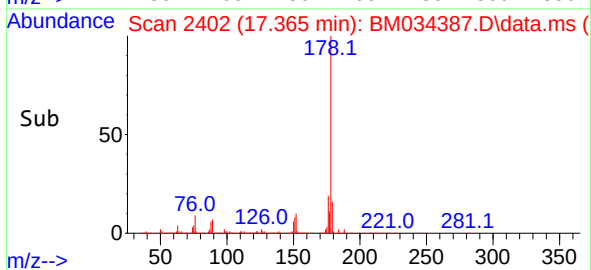
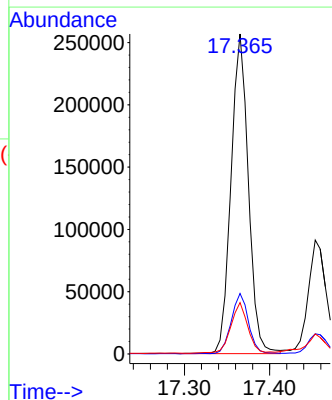
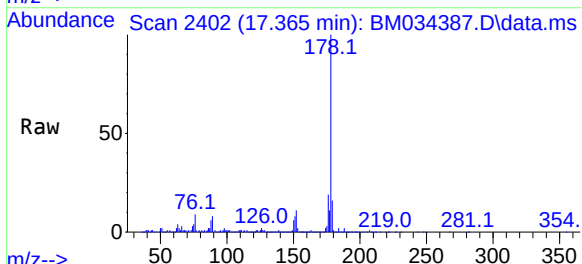
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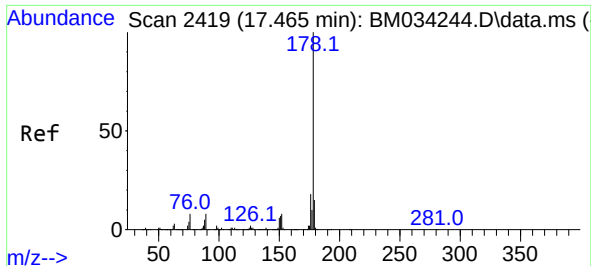
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#71
Phenanthrene
Concen: 10.239 ng
RT: 17.365 min Scan# 2402
Delta R.T. -0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Tgt Ion:178 Resp: 364010
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 16.0 12.2 18.4





#72
 Anthracene
 Concen: 3.629 ng
 RT: 17.453 min Scan# 2419
 Delta R.T. -0.000 min
 Lab File: BM034387.D
 Acq: 25 Mar 2022 16:25

Instrument :

BNA_M

ClientSampleId :

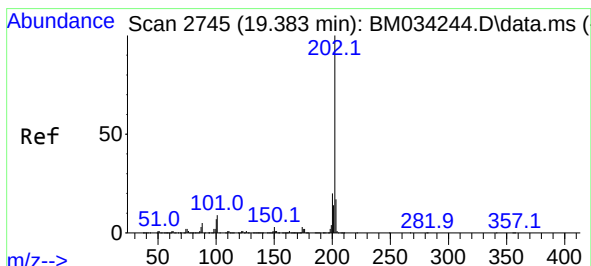
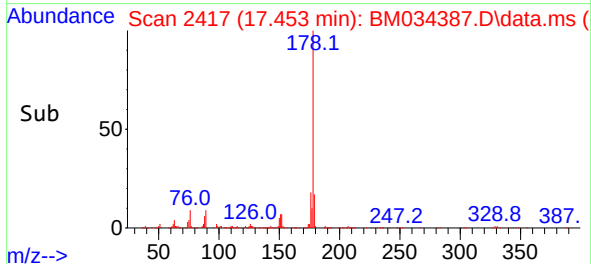
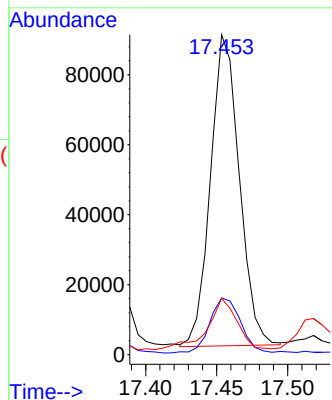
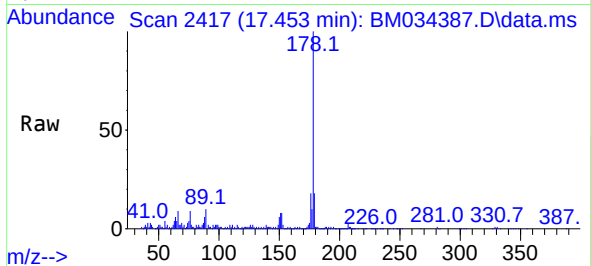
RBR-200055

Tgt Ion:178 Resp: 12558
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.6 22.0
 179 17.6 12.2 18.2

Manual Integrations

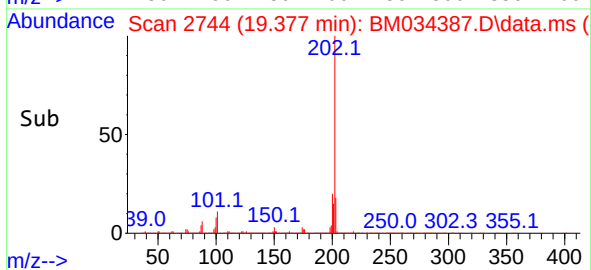
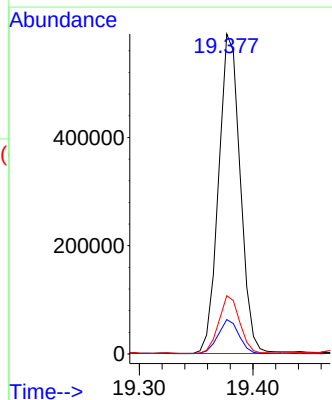
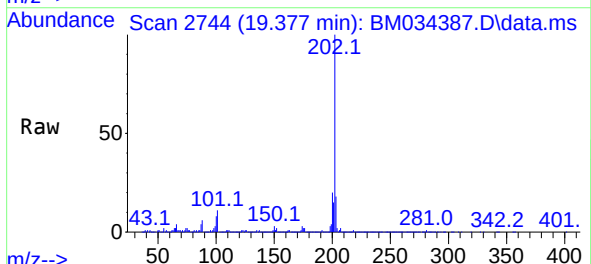
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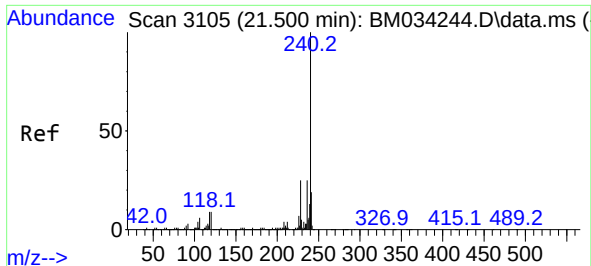
Reviewed By :Christian Giraldo 03/28/2022
 Supervised By :Jagrut Upadhyay 03/28/2022



#75
 Fluoranthene
 Concen: 19.623 ng
 RT: 19.377 min Scan# 2744
 Delta R.T. -0.000 min
 Lab File: BM034387.D
 Acq: 25 Mar 2022 16:25

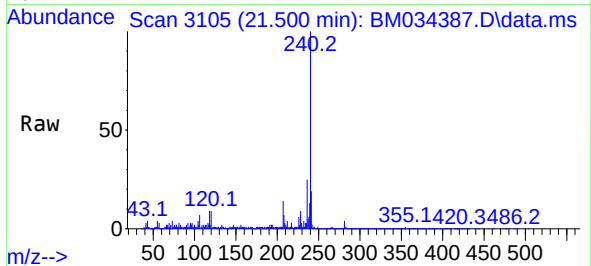
Tgt Ion:202 Resp: 782052
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.4
 203 18.2 0.0 37.1





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.500 min Scan# 3105
Delta R.T. 0.006 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

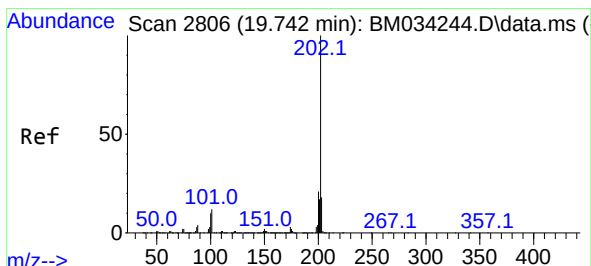
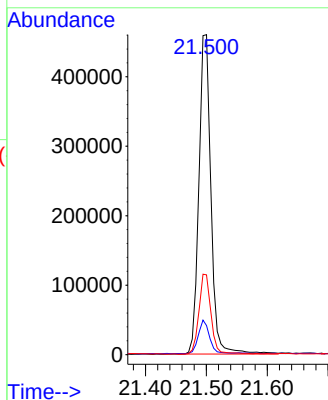
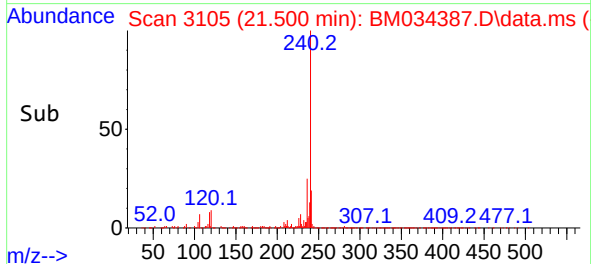
Instrument :
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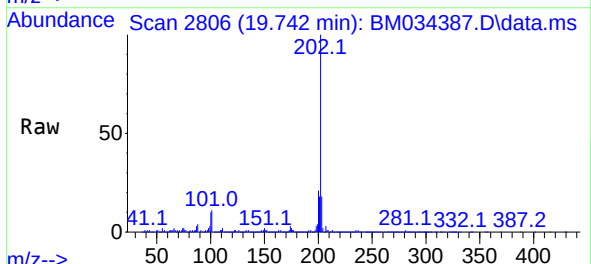
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Ion Ratio Lower Upper
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120 9.1 7.3 10.9
236 24.9 20.2 30.2

Manual Integrations
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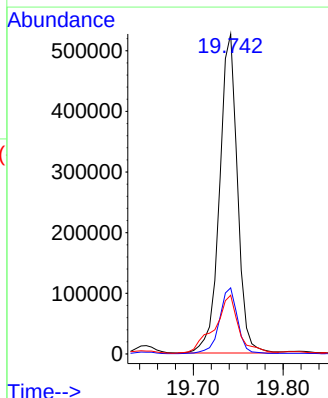
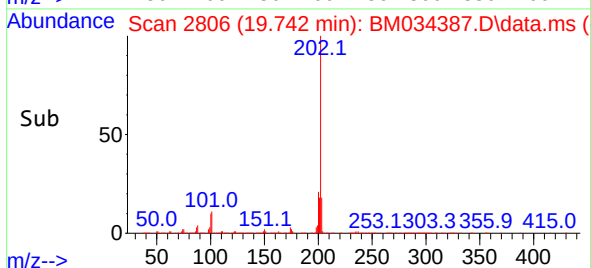
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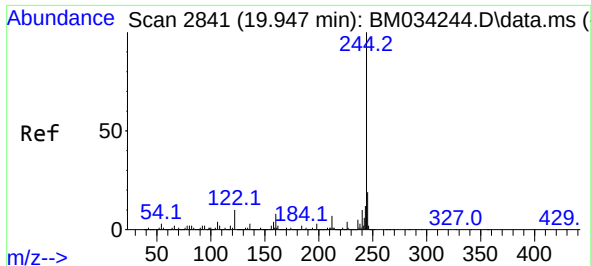


#78
Pyrene
Concen: 16.241 ng
RT: 19.742 min Scan# 2806
Delta R.T. 0.006 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25



Tgt Ion:202 Resp: 727115
Ion Ratio Lower Upper
202 100
200 20.7 16.6 24.8
203 18.3 14.1 21.1





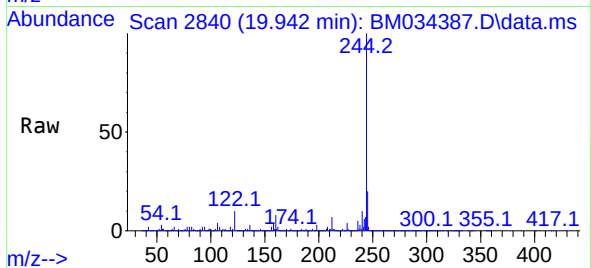
#79
Terphenyl-d14
Concen: 68.982 ng
RT: 19.942 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Instrument :

BNA_M

ClientSampleId :

RBR-200055

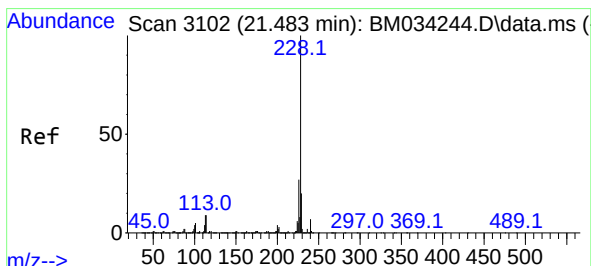
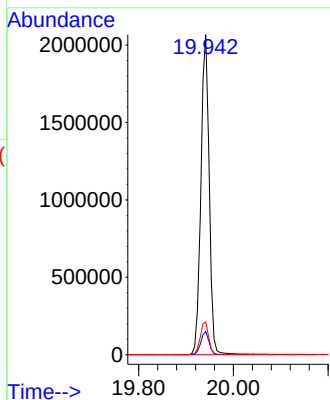
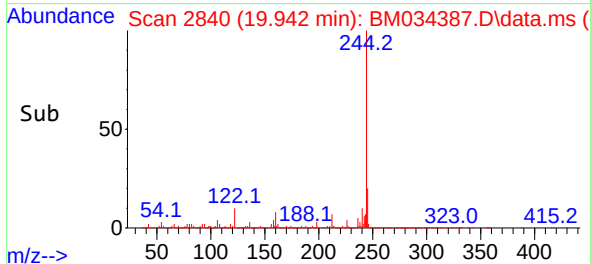


Tgt Ion:244 Resp: 2522730
Ion Ratio Lower Upper
244 100
212 7.2 5.9 8.9
122 10.2 7.8 11.8

Manual Integrations

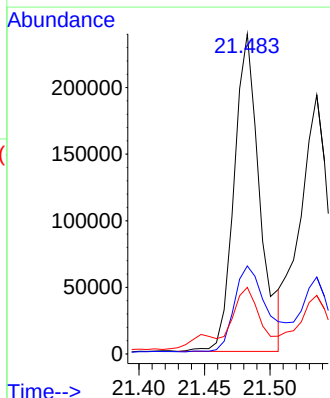
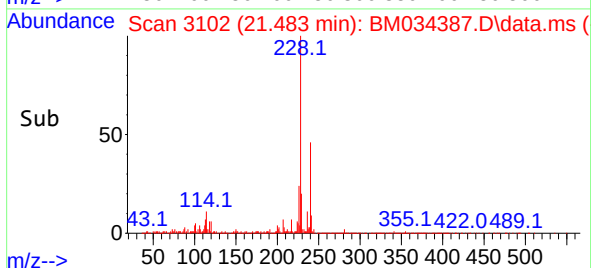
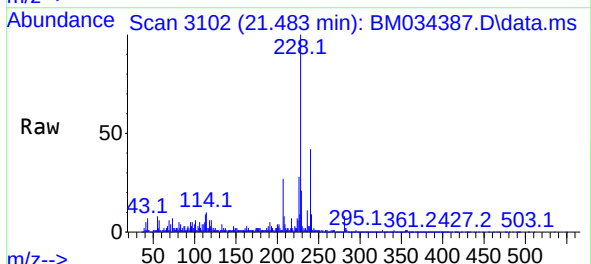
APPROVED

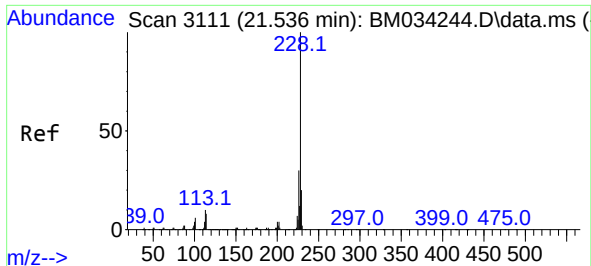
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#81
Benzo(a)anthracene
Concen: 8.101 ng
RT: 21.483 min Scan# 3102
Delta R.T. 0.006 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

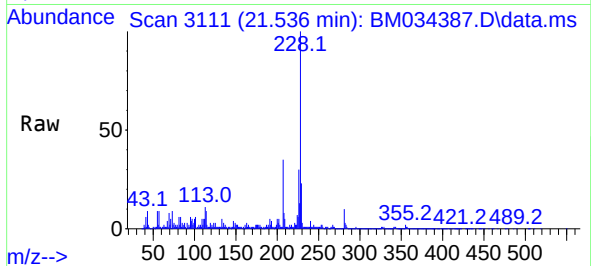
Tgt Ion:228 Resp: 324916
Ion Ratio Lower Upper
228 100
226 27.5 21.6 32.4
229 20.8 15.8 23.6





#83
Chrysene
Concen: 7.310 ng
RT: 21.536 min Scan# 3111
Delta R.T. -0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

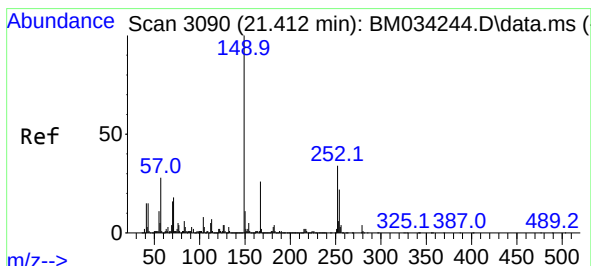
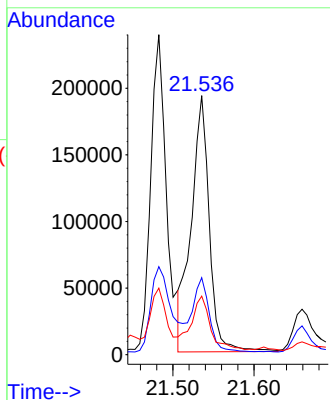
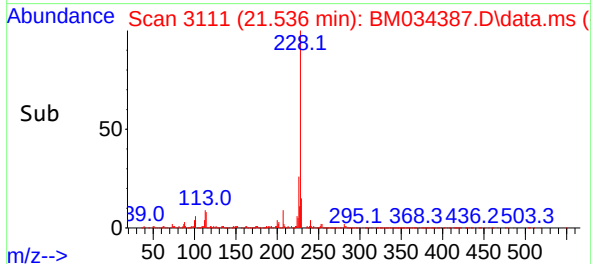
Instrument :
BNA_M
ClientSampleId :
RBR-200055



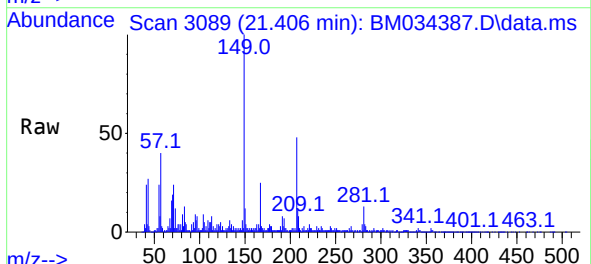
Tgt Ion:228 Resp: 299385
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 22.6 15.6 23.4

Manual Integrations
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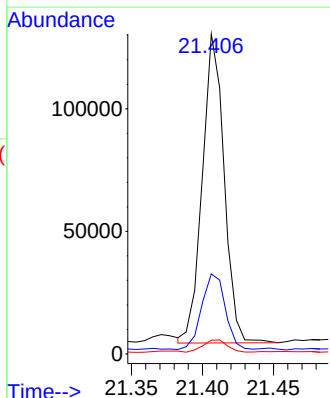
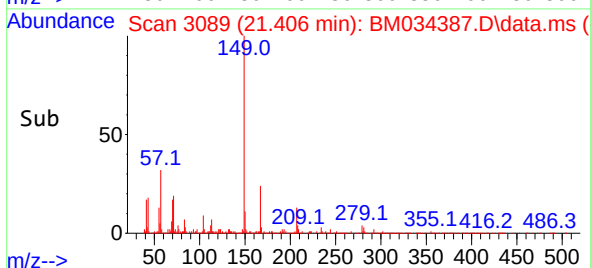
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022

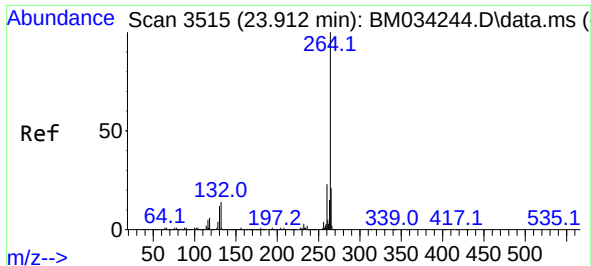


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.825 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25



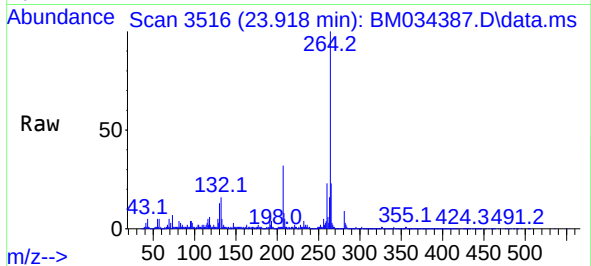
Tgt Ion:149 Resp: 134901
Ion Ratio Lower Upper
149 100
167 25.0 21.2 31.8
279 4.3 3.4 5.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 23.918 min Scan# 3515
Delta R.T. 0.012 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

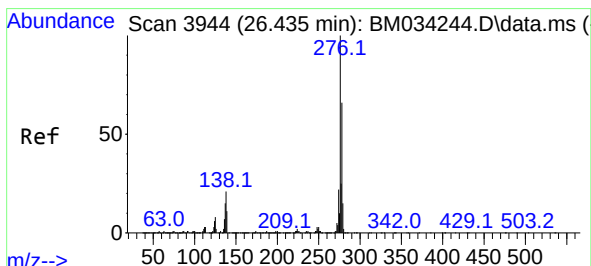
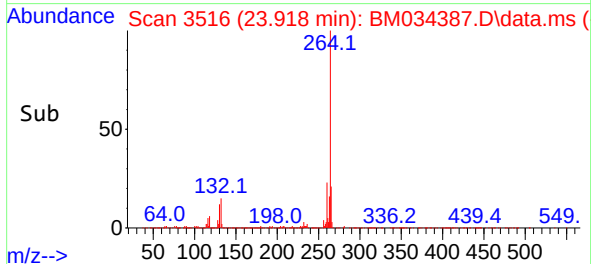
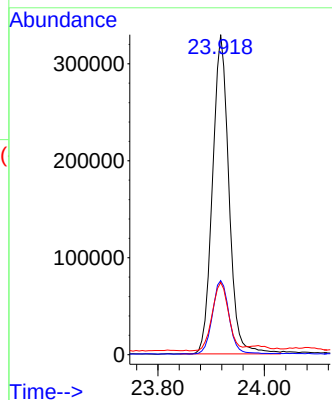
Instrument :
BNA_M
ClientSampleId :
RBR-200055



Tgt Ion:264 Resp: 703949
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.6 17.6 26.4

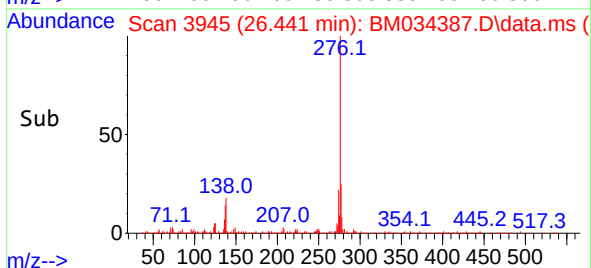
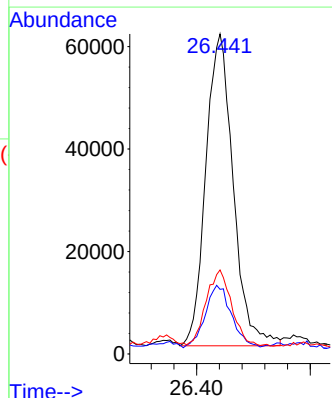
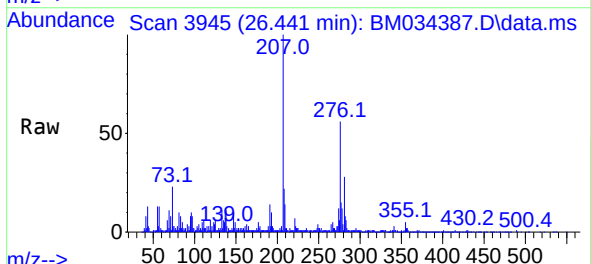
Manual Integrations
APPROVED

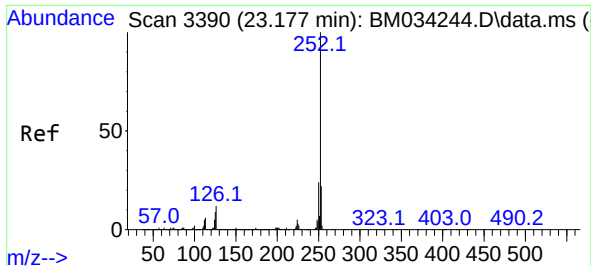
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#87
Indeno(1,2,3-cd)pyrene
Concen: 4.496 ng
RT: 26.441 min Scan# 3945
Delta R.T. 0.017 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Tgt Ion:276 Resp: 203592
Ion Ratio Lower Upper
276 100
138 19.5 16.6 25.0
277 22.5 19.8 29.6





#88
Benzo(b)fluoranthene
Concen: 9.592 ng
RT: 23.183 min Scan# 3391
Delta R.T. 0.012 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Instrument :

BNA_M

ClientSampleId :

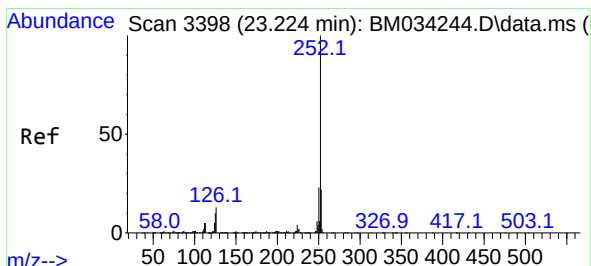
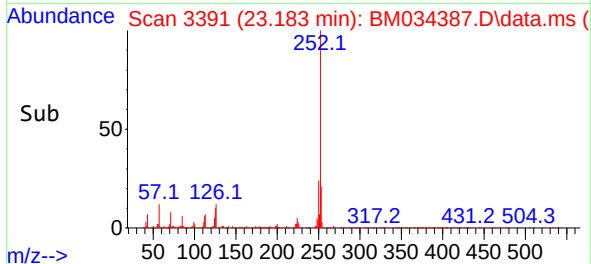
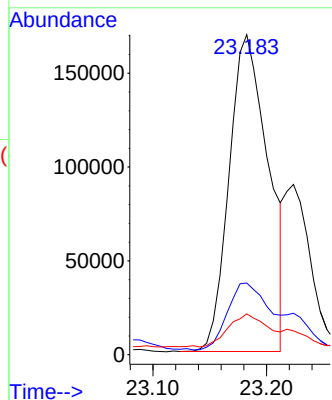
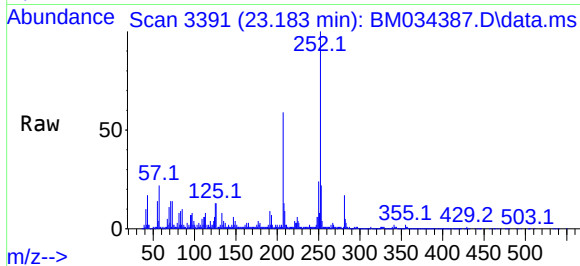
RBR-200055

Tgt Ion:252 Resp: 40379
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 12.8 7.2 10.8

Manual Integrations

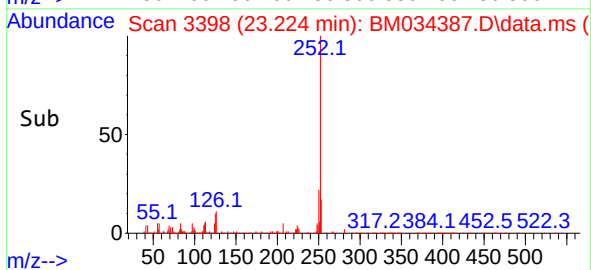
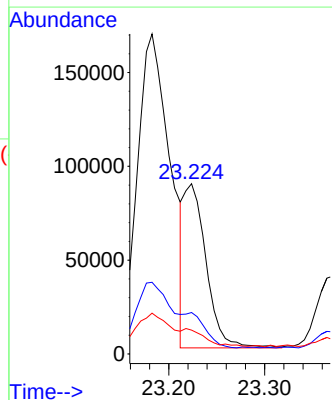
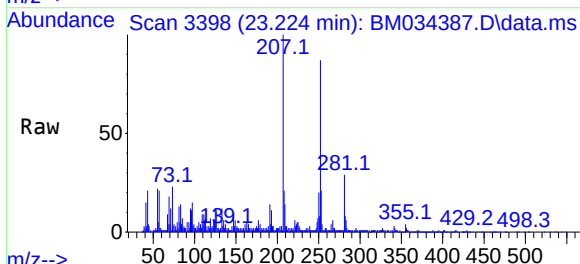
APPROVED

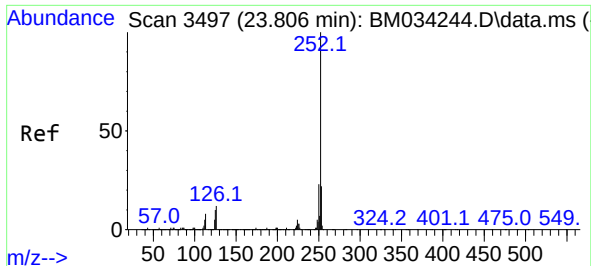
Reviewed By :Christian Giraldo 03/28/2022
Supervised By :Jagrut Upadhyay 03/28/2022



#89
Benzo(k)fluoranthene
Concen: 3.137 ng m
RT: 23.224 min Scan# 3398
Delta R.T. -0.000 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

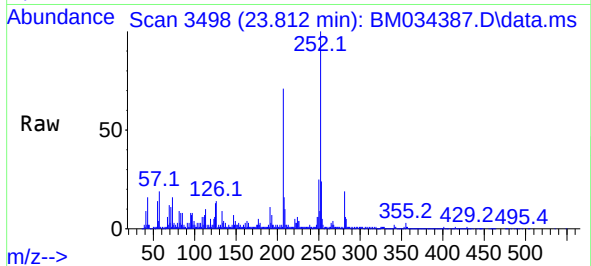
Tgt Ion:252 Resp: 139881
Ion Ratio Lower Upper
252 100
253 24.3 17.6 26.4
125 14.0 7.5 11.3





#90
Benzo(a)pyrene
Concen: 8.471 ng
RT: 23.812 min Scan# 3497
Delta R.T. 0.012 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

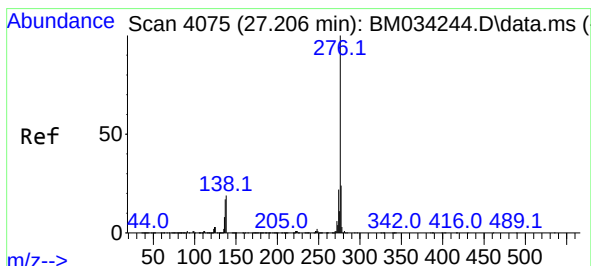
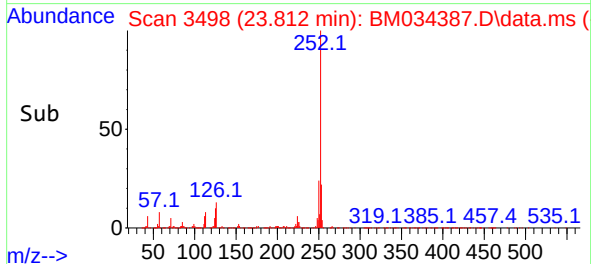
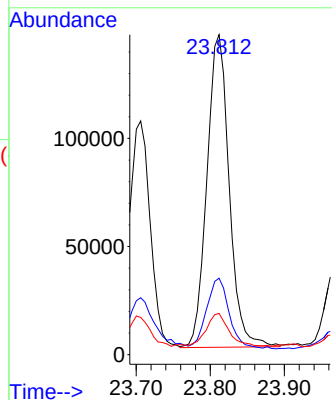
Instrument :
BNA_M
ClientSampleId :
RBR-200055



Tgt Ion: 252 Resp: 30228
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 12.9 7.8 11.6

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/28/2022
Supervised By : Jagrut Upadhyay 03/28/2022



#92
Benzo(g,h,i)perylene
Concen: 5.889 ng
RT: 27.218 min Scan# 4077
Delta R.T. 0.017 min
Lab File: BM034387.D
Acq: 25 Mar 2022 16:25

Tgt Ion: 276 Resp: 223828
Ion Ratio Lower Upper
276 100
277 24.7 19.0 28.4
138 20.6 15.6 23.4

