

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
 Data File : BM034320.D
 Acq On : 22 Mar 2022 21:15
 Operator : CG/JU
 Sample : N1962-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-23-25-28

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/23/2022
 Supervised By : Jagrut Upadhyay 03/23/2022

Quant Time: Mar 23 05:07:02 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	164557	20.000	ng	-0.01
21) Naphthalene-d8	10.754	136	649409	20.000	ng	-0.01
39) Acenaphthene-d10	14.577	164	386430	20.000	ng	-0.01
64) Phenanthrene-d10	17.318	188	761323	20.000	ng	-0.01
76) Chrysene-d12	21.494	240	766092	20.000	ng	0.00
86) Perylene-d12	23.906	264	851280	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.495	112	1093157	119.174	ng	0.00
7) Phenol-d6	7.095	99	1399525	106.563	ng	-0.01
23) Nitrobenzene-d5	9.101	82	878658	65.874	ng	-0.01
42) 2,4,6-Tribromophenol	16.059	330	523148	100.440	ng	-0.01
45) 2-Fluorobiphenyl	13.207	172	1701509	60.169	ng	-0.01
79) Terphenyl-d14	19.936	244	2246206	50.947	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.801	128	1703174	50.341	ng	100
37) 2-Methylnaphthalene	12.413	142	220649	9.140	ng	98
38) 1-Methylnaphthalene	12.630	142	178109	7.542	ng	99
49) Acenaphthylene	14.301	152	72183	2.048	ng	# 94
52) Acenaphthene	14.642	154	196221	8.264	ng	100
55) Dibenzofuran	14.977	168	258879	7.316	ng	97
58) Fluorene	15.624	166	339825	11.830	ng	99
71) Phenanthrene	17.365	178	3883313	91.081	ng	99
72) Anthracene	17.453	178	666149	16.052	ng	100
73) Carbazole	17.718	167	358564	9.265	ng	100
75) Fluoranthene	19.377	202	4386912	91.784	ng	98
78) Pyrene	19.736	202	3798253	70.370	ng	99
81) Benzo(a)anthracene	21.477	228	1667464	34.485	ng	99
83) Chrysene	21.530	228	1572781	31.852	ng	98
87) Indeno(1,2,3-cd)pyrene	26.418	276	989168	18.063	ng	98
88) Benzo(b)fluoranthene	23.171	252	2044977	40.173	ng	99
89) Benzo(k)fluoranthene	23.212	252	585610m	10.860	ng	
90) Benzo(a)pyrene	23.800	252	1496871	34.687	ng	98
91) Dibenzo(a,h)anthracene	26.424	278	215466	4.853	ng	# 83
92) Benzo(g,h,i)perylene	27.188	276	1010534	21.987	ng	98

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

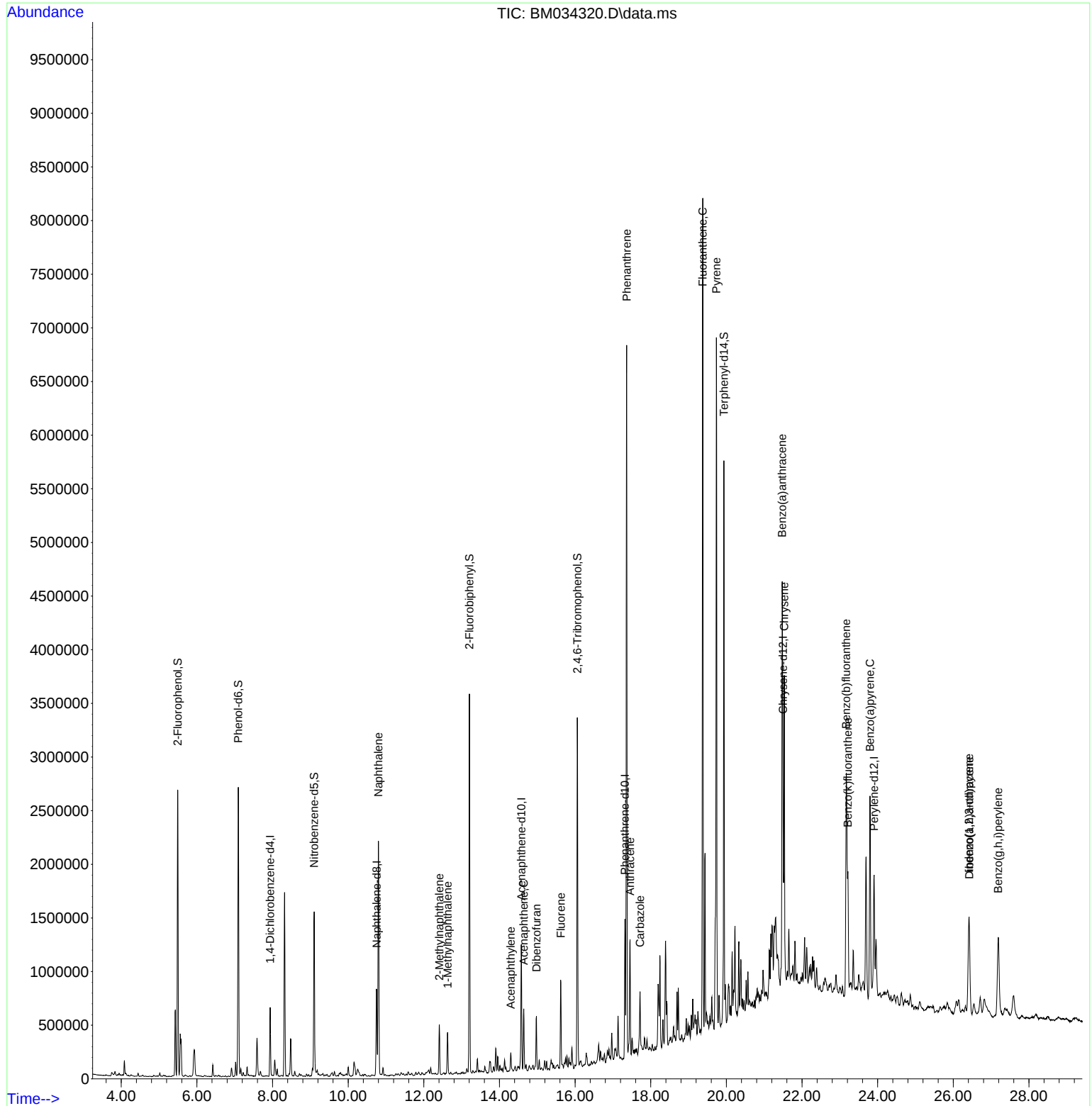
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034320.D
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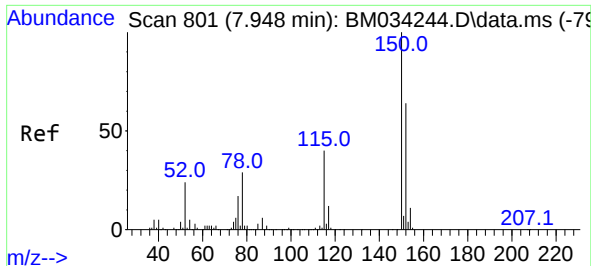
Instrument :
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C-23-25-28

Quant Time: Mar 23 05:07:02 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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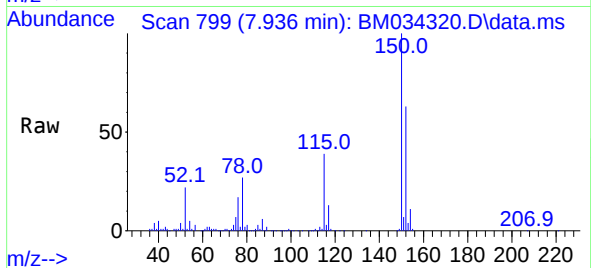
Reviewed By : Christian Giraldo 03/23/2022
Supervised By : Jagrut Upadhyay 03/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 799
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

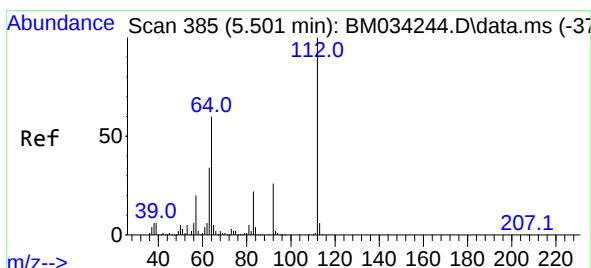
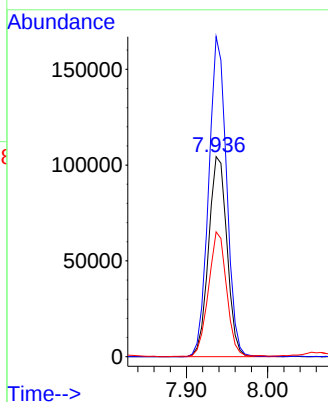
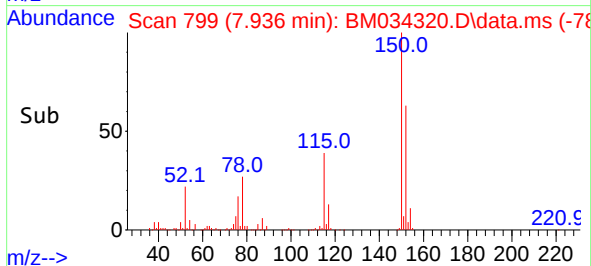
Instrument :
BNA_M
ClientSampleId :
C-23-25-28



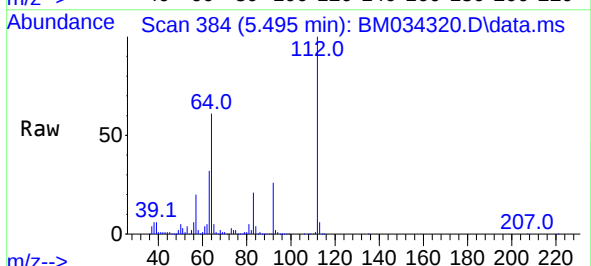
Tgt Ion:152 Resp: 16455
Ion Ratio Lower Upper
152 100
150 160.0 125.4 188.2
115 62.4 50.1 75.1

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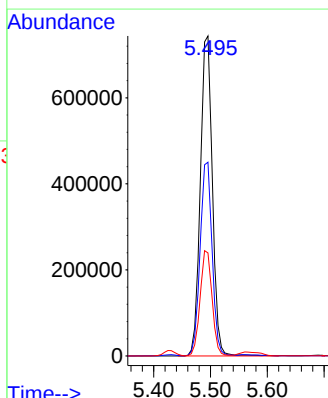
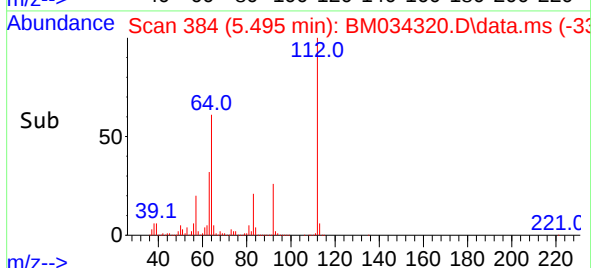
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

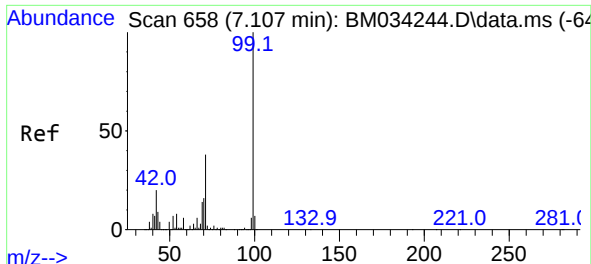


#5
2-Fluorophenol
Concen: 119.174 ng
RT: 5.495 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15



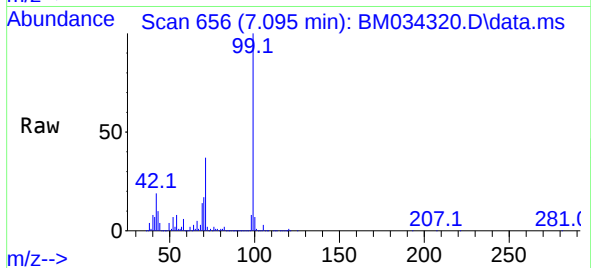
Tgt Ion:112 Resp: 1093157
Ion Ratio Lower Upper
112 100
64 60.5 47.9 71.9
63 32.2 27.1 40.7





#7
Phenol-d6
Concen: 106.563 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

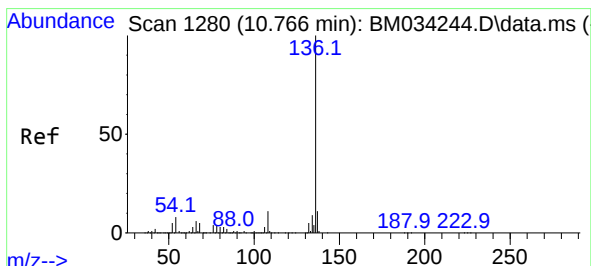
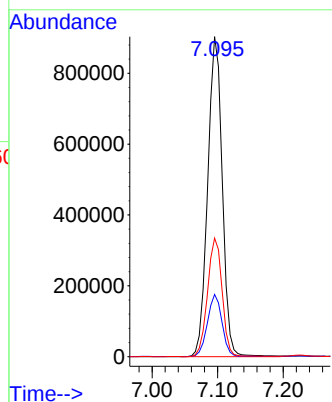
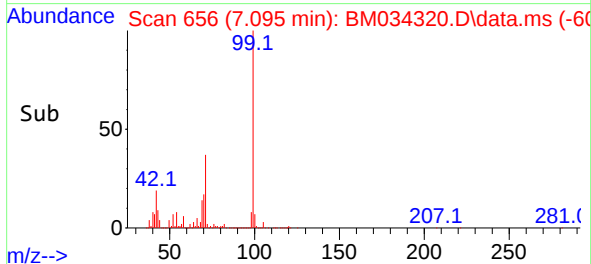
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Tgt Ion: 99 Resp: 139952
Ion Ratio Lower Upper
99 100
42 19.5 15.6 23.4
71 37.0 30.6 46.0

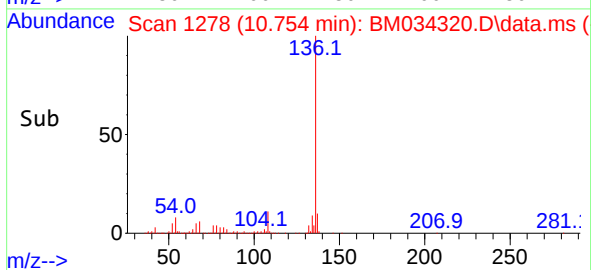
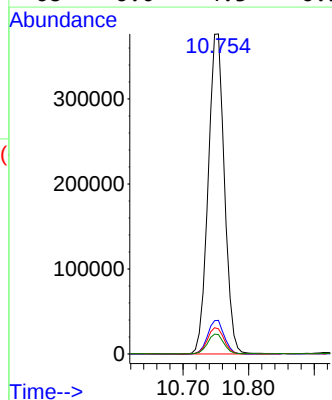
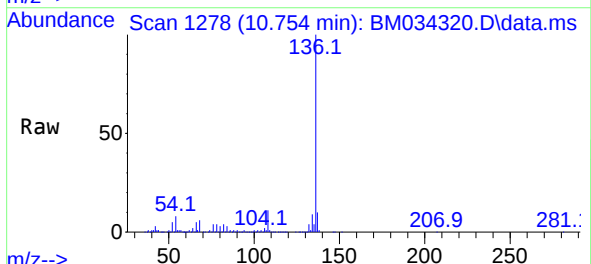
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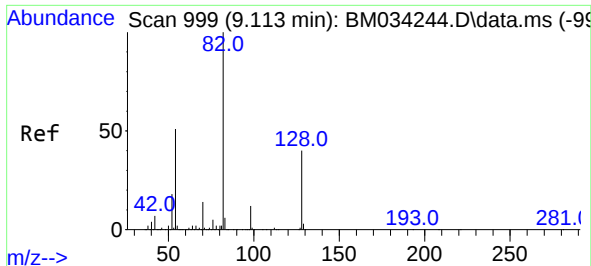
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1278
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

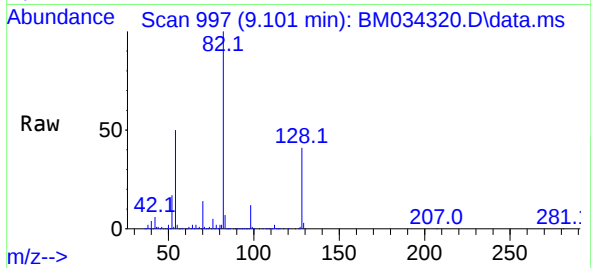
Tgt Ion:136 Resp: 649409
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.8 6.2 9.4
68 6.0 4.3 6.5





#23
Nitrobenzene-d5
Concen: 65.874 ng
RT: 9.101 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

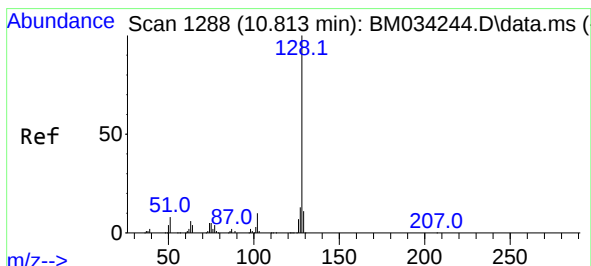
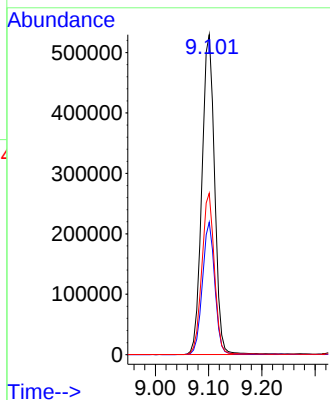
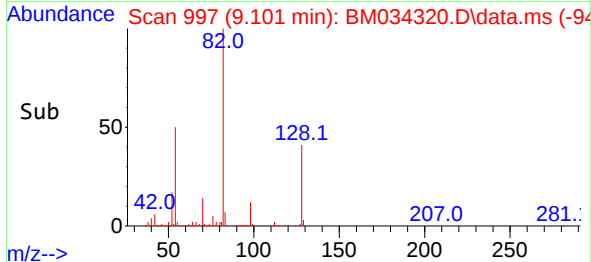
Instrument :
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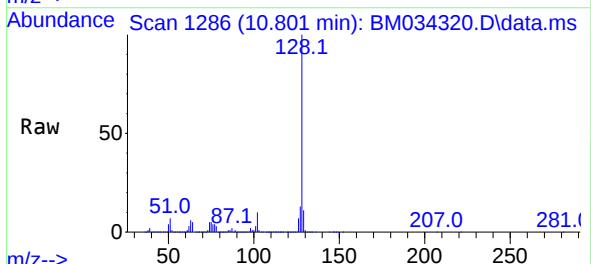
Tgt Ion: 82 Resp: 878658
Ion Ratio Lower Upper
82 100
128 41.4 31.9 47.9
54 50.4 40.6 61.0

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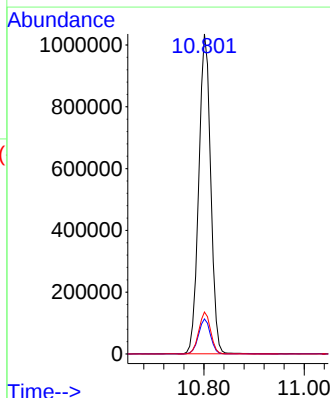
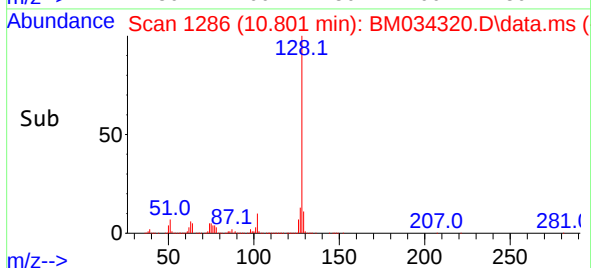
Reviewed By :Christian Giraldo 03/23/2022
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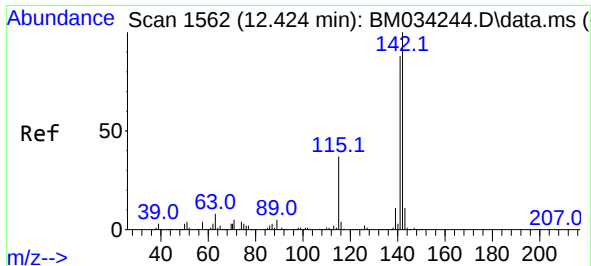


#31
Naphthalene
Concen: 50.341 ng
RT: 10.801 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15



Tgt Ion:128 Resp: 1703174
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.2 15.4





#37

2-Methylnaphthalene

Concen: 9.140 ng

RT: 12.413 min Scan# 1562

Delta R.T. -0.012 min

Lab File: BM034320.D

Acq: 22 Mar 2022 21:15

Instrument :

BNA_M

ClientSampleId :

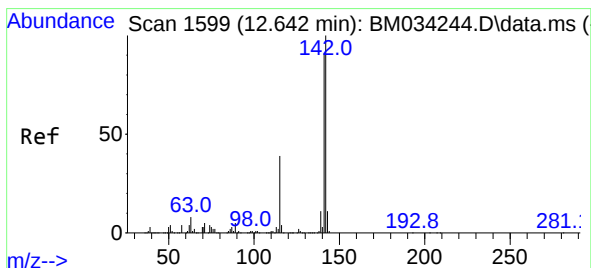
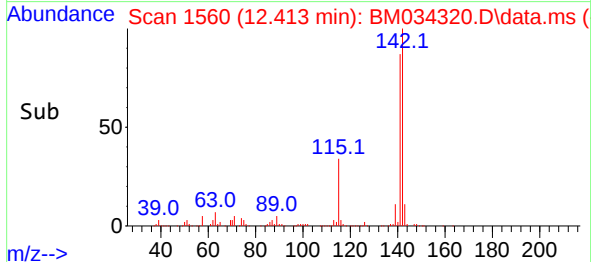
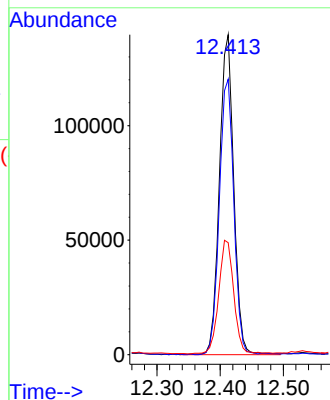
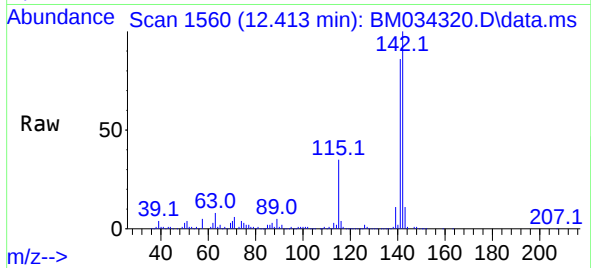
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Tgt Ion:142	Resp: 220649
Ion Ratio	Lower Upper
142	100
141	86.1 70.1 105.1
115	35.0 29.9 44.9

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Supervised By :Jagrut Upadhyay 03/23/2022



#38

1-Methylnaphthalene

Concen: 7.542 ng

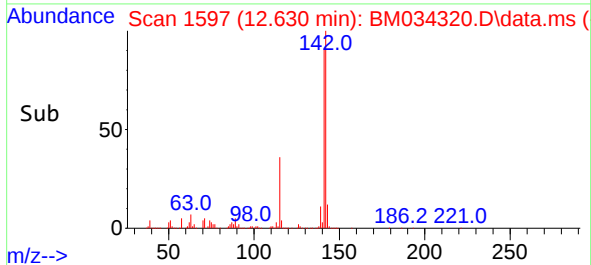
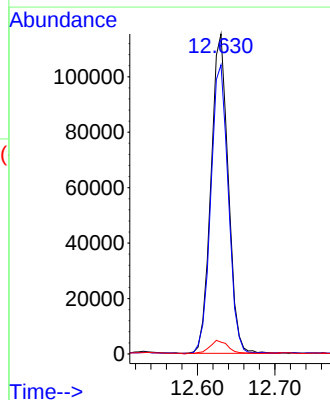
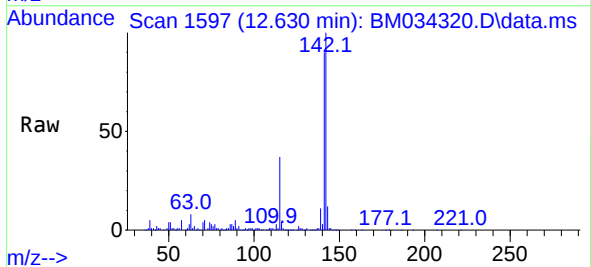
RT: 12.630 min Scan# 1597

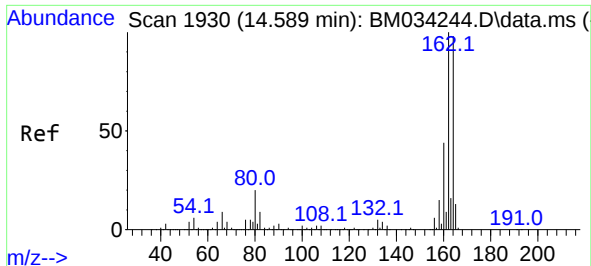
Delta R.T. -0.012 min

Lab File: BM034320.D

Acq: 22 Mar 2022 21:15

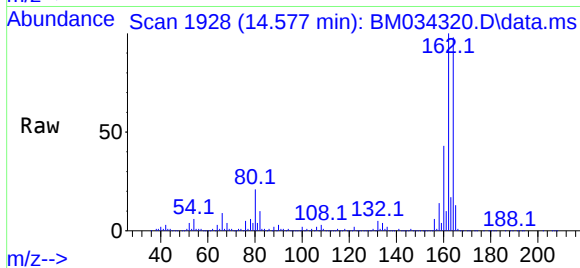
Tgt Ion:142	Resp: 178109
Ion Ratio	Lower Upper
142	100
141	90.4 73.0 109.6
116	3.7 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

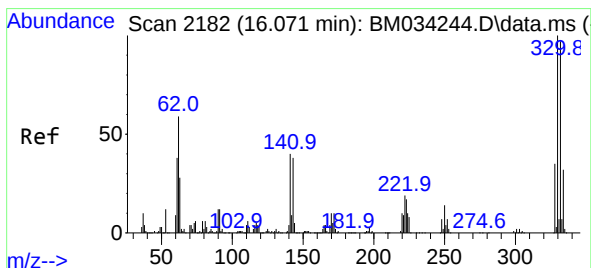
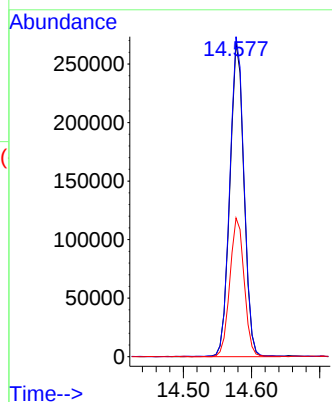
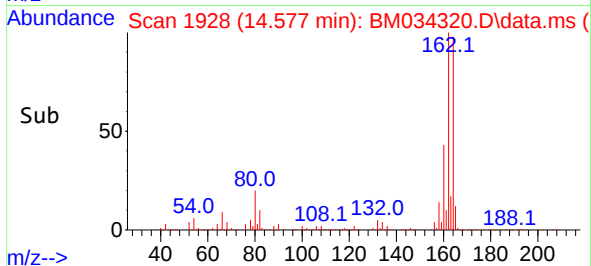
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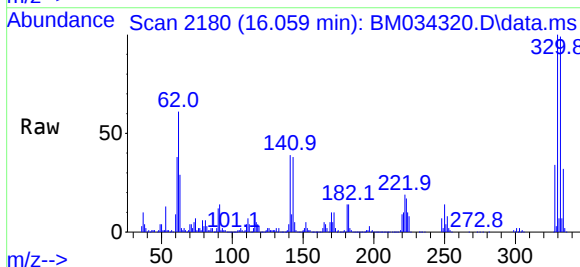
Tgt Ion:164 Resp: 386430
Ion Ratio Lower Upper
164 100
162 101.9 81.6 122.4
160 44.2 35.6 53.4

Manual Integrations
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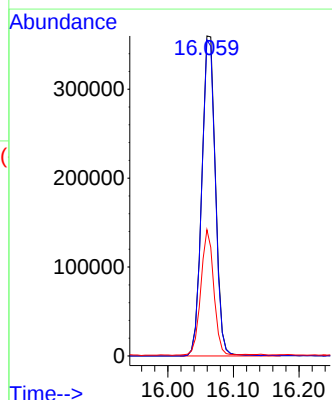
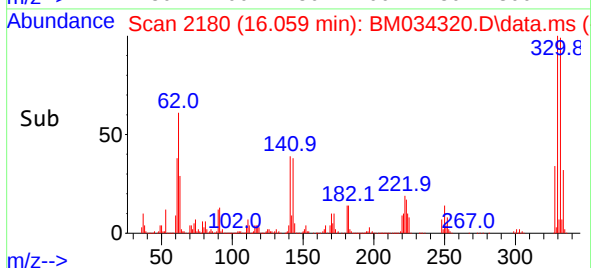
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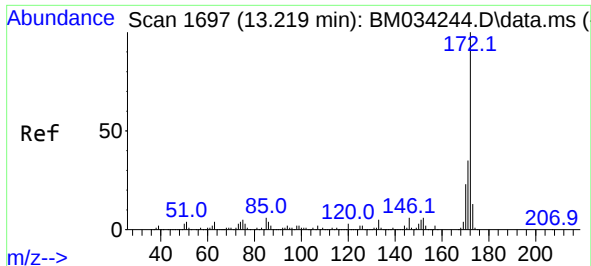


#42
2,4,6-Tribromophenol
Concen: 100.440 ng
RT: 16.059 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15



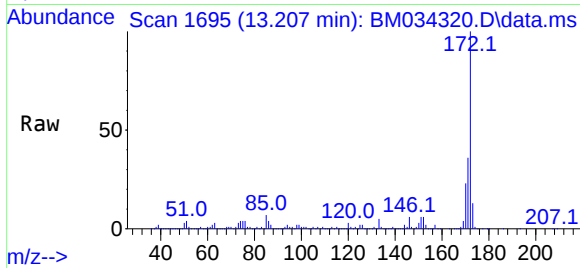
Tgt Ion:330 Resp: 523148
Ion Ratio Lower Upper
330 100
332 98.0 78.2 117.4
141 37.1 30.6 45.8





#45
2-Fluorobiphenyl
Concen: 60.169 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

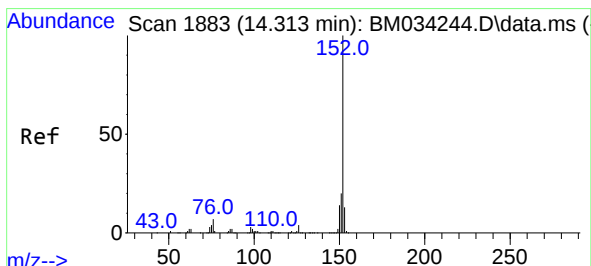
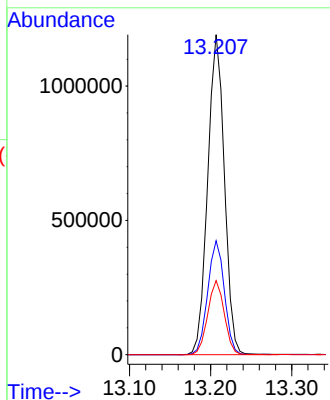
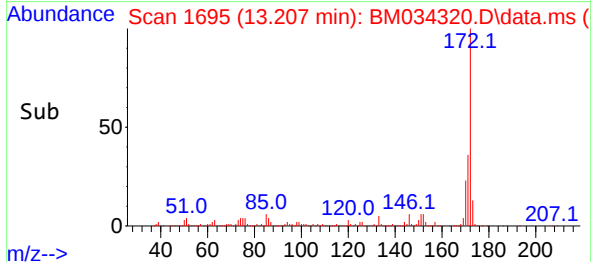
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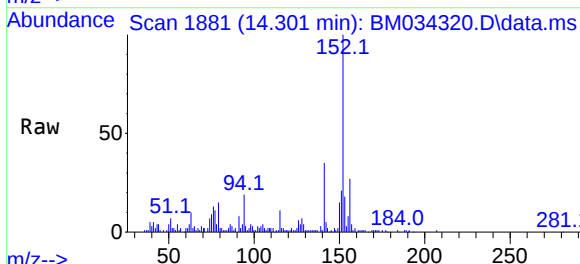
Tgt Ion:172 Resp: 1701509
Ion Ratio Lower Upper
172 100
171 35.6 28.0 42.0
170 23.2 18.6 28.0

Manual Integrations
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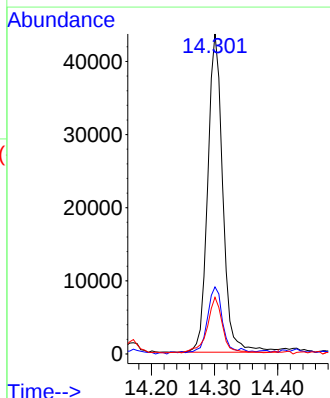
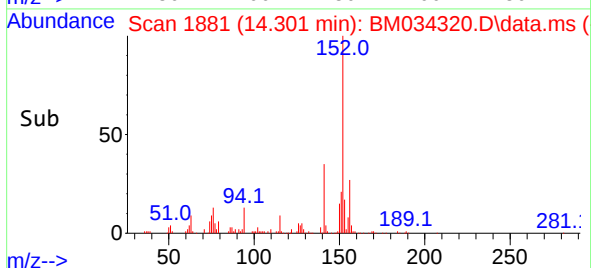
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

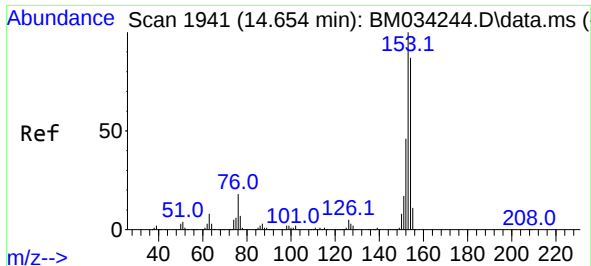


#49
Acenaphthylene
Concen: 2.048 ng
RT: 14.301 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15



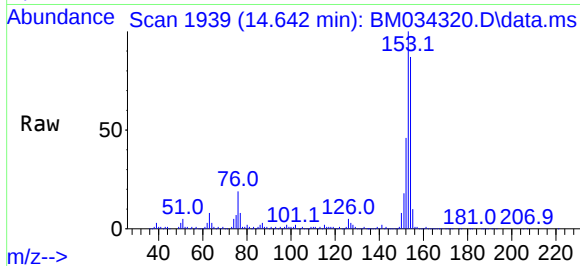
Tgt Ion:152 Resp: 72183
Ion Ratio Lower Upper
152 100
151 20.9 15.9 23.9
153 17.7 10.6 16.0#





#52
Acenaphthene
Concen: 8.264 ng
RT: 14.642 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

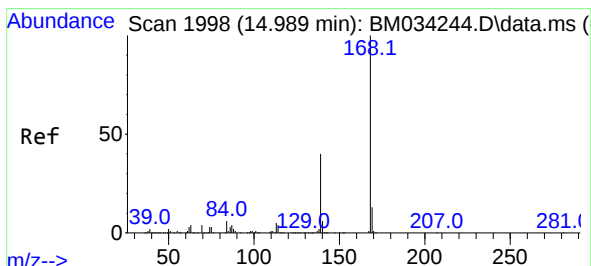
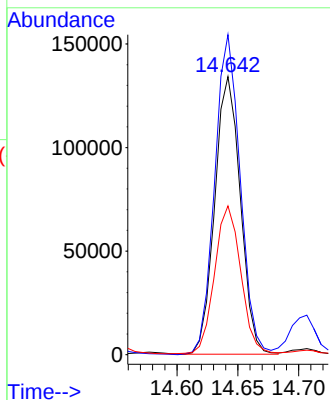
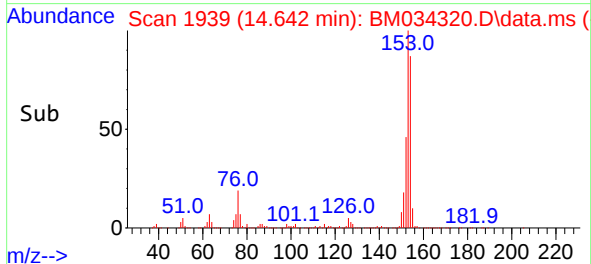
Instrument :
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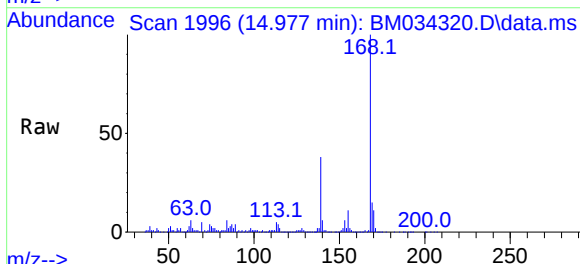
Tgt Ion:154 Resp: 19622
Ion Ratio Lower Upper
154 100
153 115.1 91.8 137.8
152 53.5 42.6 64.0

Manual Integrations
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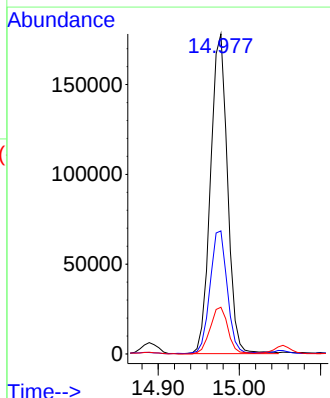
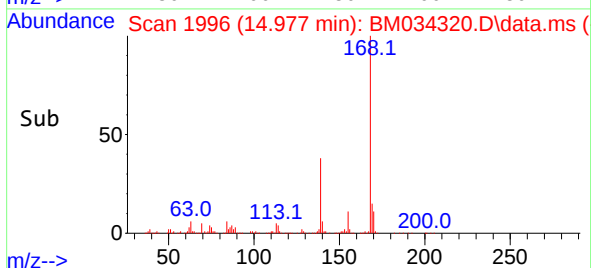
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

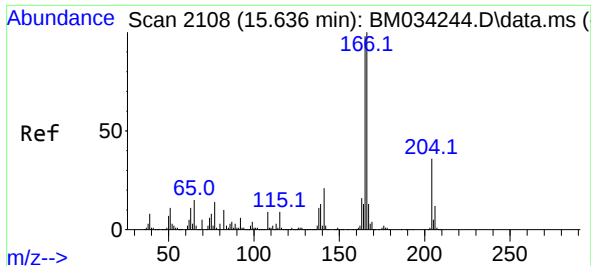


#55
Dibenzofuran
Concen: 7.316 ng
RT: 14.977 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15



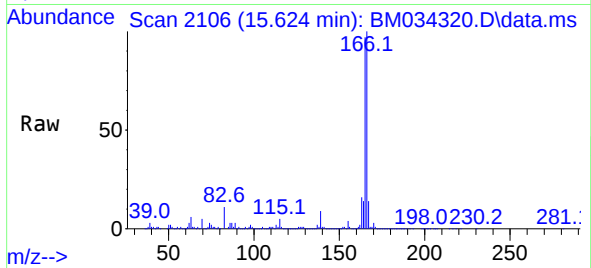
Tgt Ion:168 Resp: 258879
Ion Ratio Lower Upper
168 100
139 38.4 32.4 48.6
169 14.6 10.8 16.2





#58
Fluorene
Concen: 11.830 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

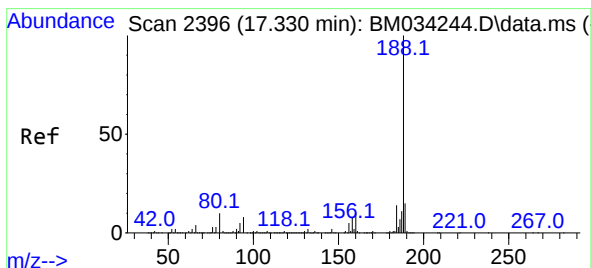
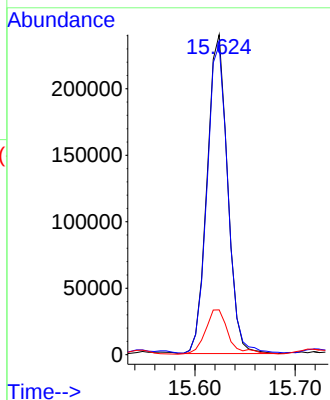
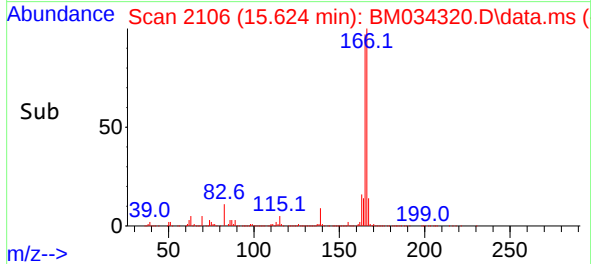
Instrument :
BNA_M
ClientSampleId :
C-23-25-28



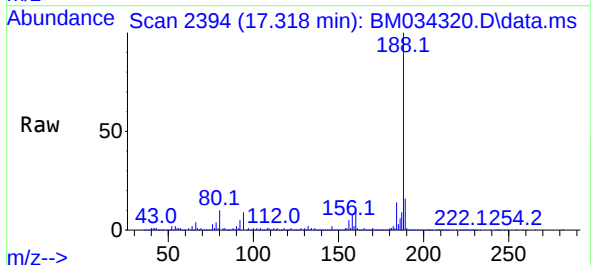
Tgt Ion:166 Resp: 339825
Ion Ratio Lower Upper
166 100
165 96.8 78.0 117.0
167 14.0 10.5 15.7

Manual Integrations
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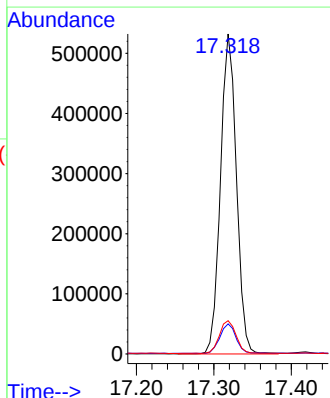
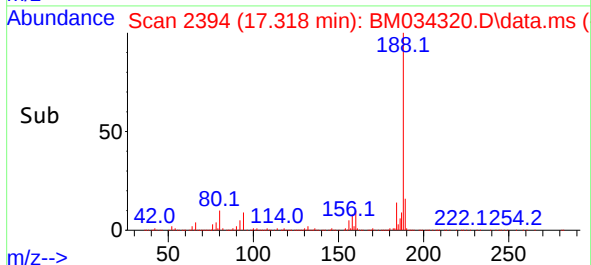
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

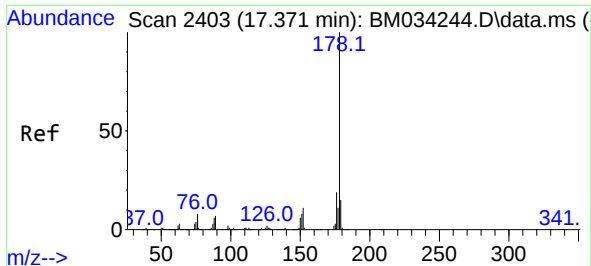


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2394
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15



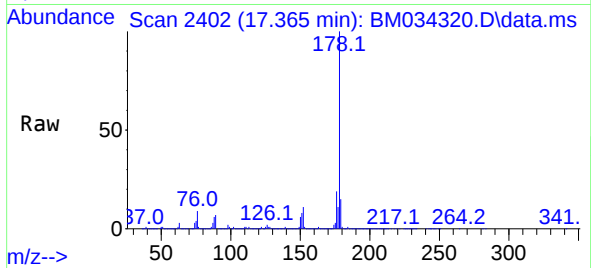
Tgt Ion:188 Resp: 761323
Ion Ratio Lower Upper
188 100
94 9.4 6.6 9.8
80 10.4 7.8 11.8





#71
Phenanthrene
Concen: 91.081 ng
RT: 17.365 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

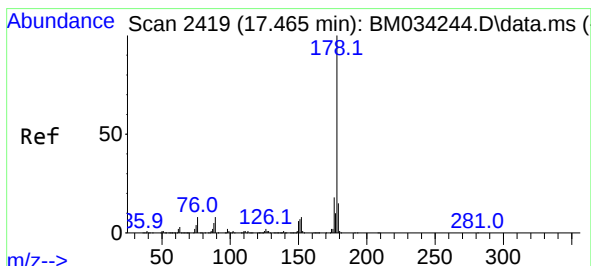
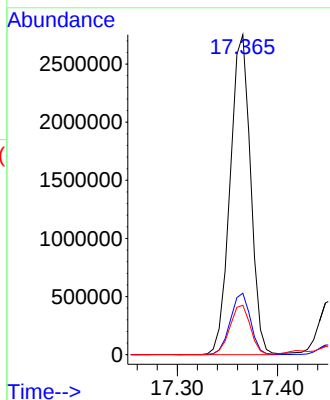
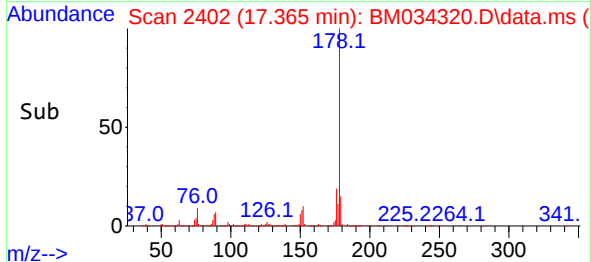
Instrument :
BNA_M
ClientSampleId :
C-23-25-28



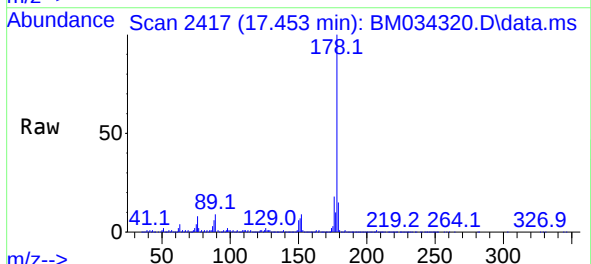
Tgt Ion:178 Resp: 388331
Ion Ratio Lower Upper
178 100
176 19.2 15.1 22.7
179 15.5 12.2 18.4

Manual Integrations
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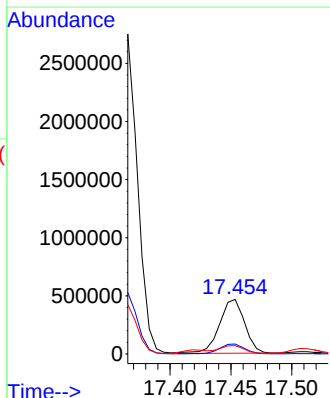
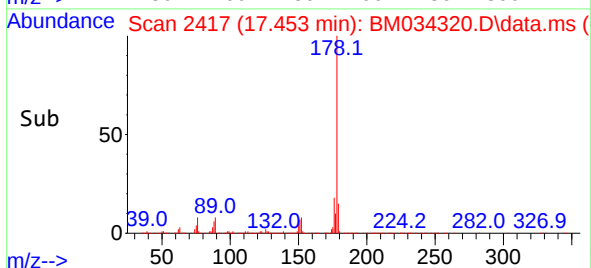
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

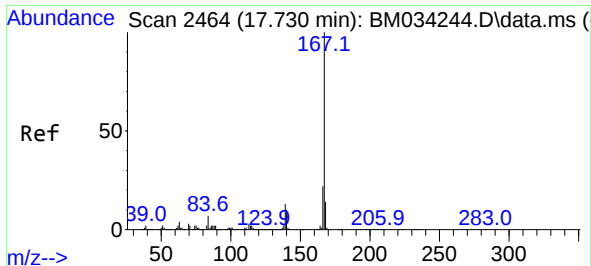


#72
Anthracene
Concen: 16.052 ng
RT: 17.453 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15



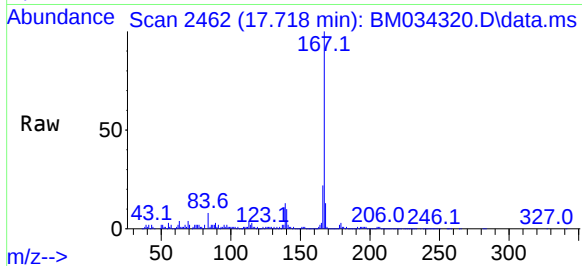
Tgt Ion:178 Resp: 666149
Ion Ratio Lower Upper
178 100
176 18.2 14.6 22.0
179 15.4 12.2 18.2





#73
 Carbazole
 Concen: 9.265 ng
 RT: 17.718 min Scan# 2462
 Delta R.T. -0.012 min
 Lab File: BM034320.D
 Acq: 22 Mar 2022 21:15

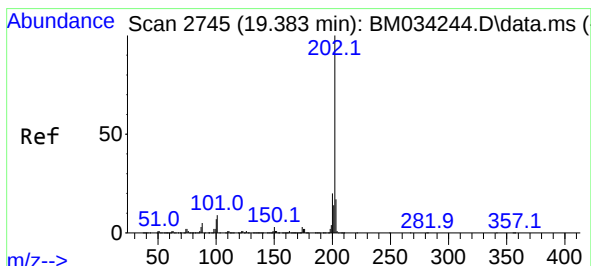
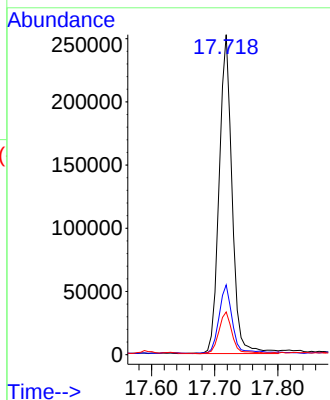
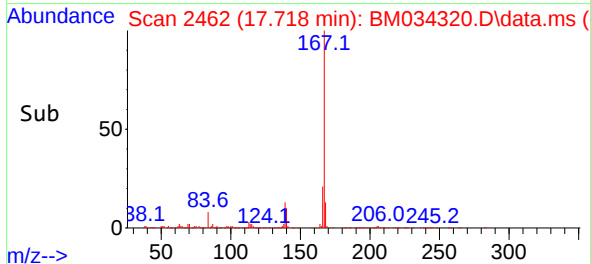
Instrument :
 BNA_M
 ClientSampleId :
 C-23-25-28



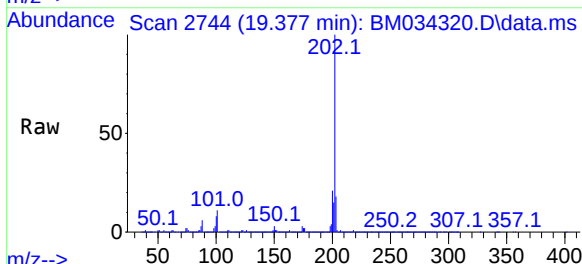
Tgt Ion:167 Resp: 358564
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.2
 139 13.4 10.4 15.6

Manual Integrations
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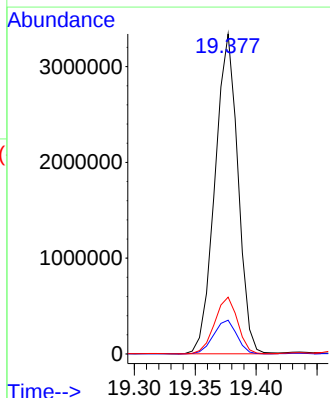
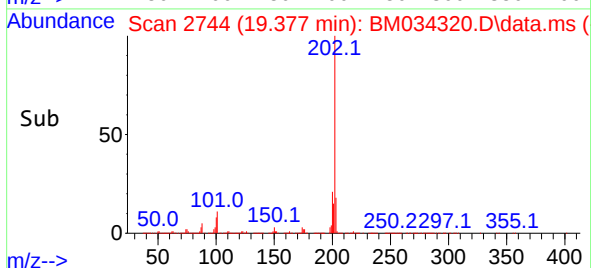
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

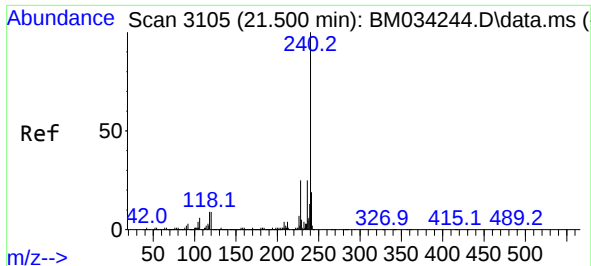


#75
 Fluoranthene
 Concen: 91.784 ng
 RT: 19.377 min Scan# 2744
 Delta R.T. -0.006 min
 Lab File: BM034320.D
 Acq: 22 Mar 2022 21:15



Tgt Ion:202 Resp: 4386912
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 29.4
 203 17.7 0.0 37.1





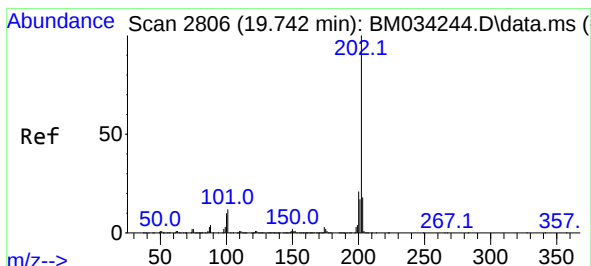
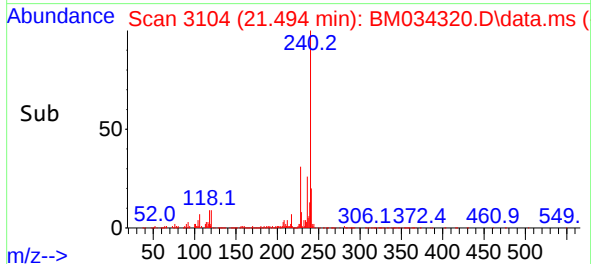
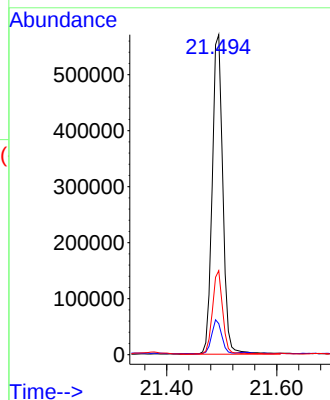
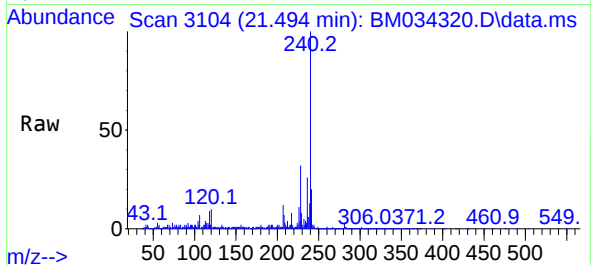
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3105
Delta R.T. -0.006 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

Instrument :
BNA_M
ClientSampleId :
C-23-25-28

Tgt Ion:240 Resp: 766092
Ion Ratio Lower Upper
240 100
120 9.7 7.3 10.9
236 26.3 20.2 30.2

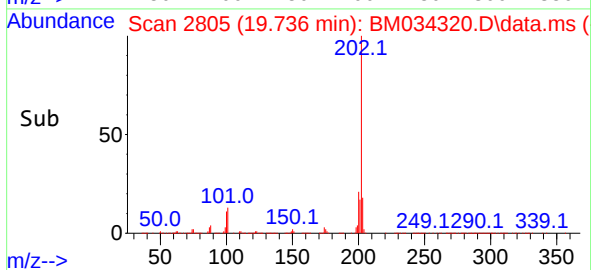
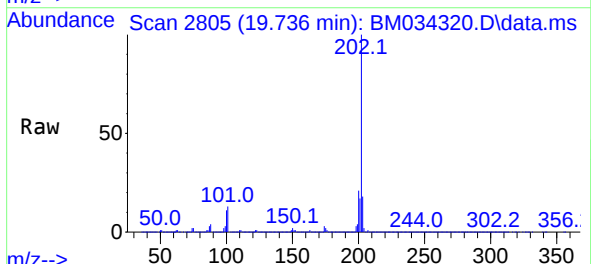
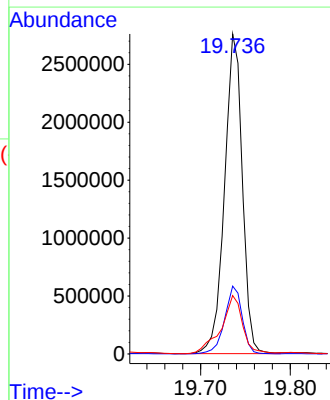
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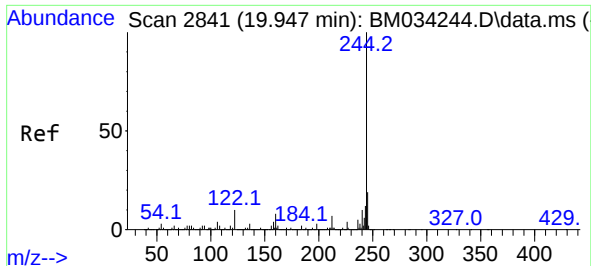
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#78
Pyrene
Concen: 70.370 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

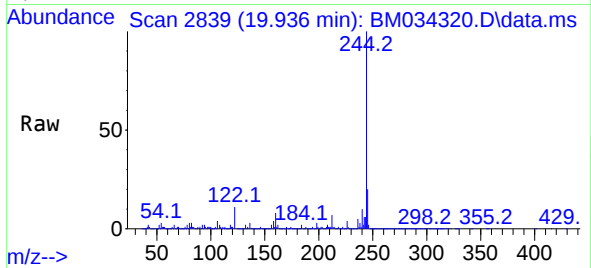
Tgt Ion:202 Resp: 3798253
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.3 14.1 21.1





#79
 Terphenyl-d14
 Concen: 50.947 ng
 RT: 19.936 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM034320.D
 Acq: 22 Mar 2022 21:15

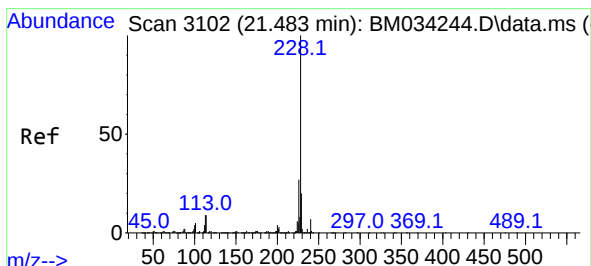
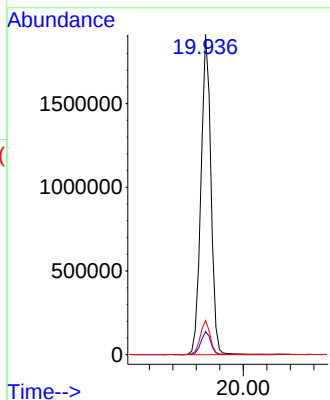
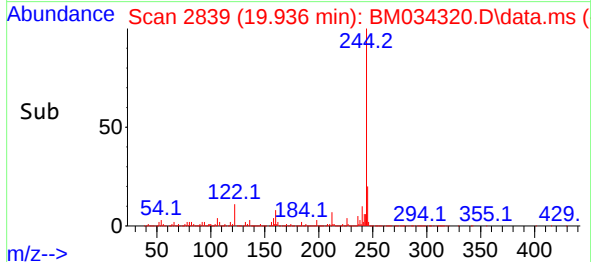
Instrument :
 BNA_M
 ClientSampleId :
 C-23-25-28



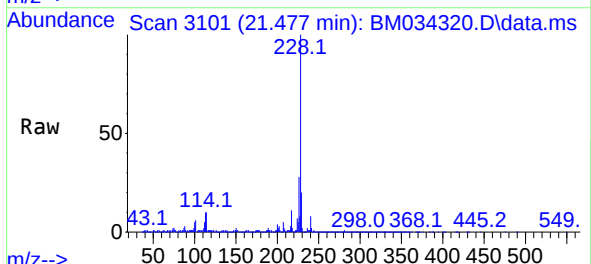
Tgt Ion:244 Resp: 2246200
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 10.7 7.8 11.8

Manual Integrations
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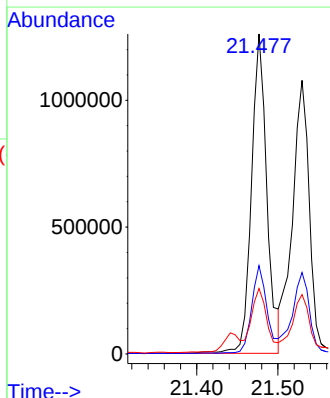
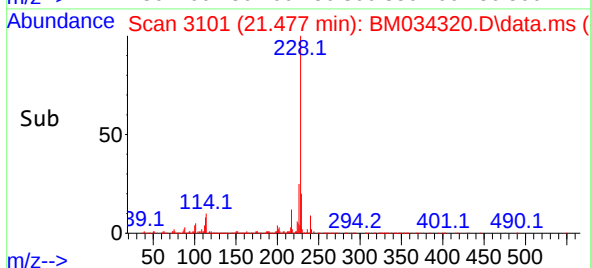
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

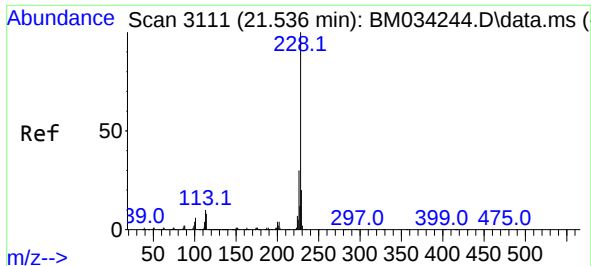


#81
 Benzo(a)anthracene
 Concen: 34.485 ng
 RT: 21.477 min Scan# 3101
 Delta R.T. -0.006 min
 Lab File: BM034320.D
 Acq: 22 Mar 2022 21:15



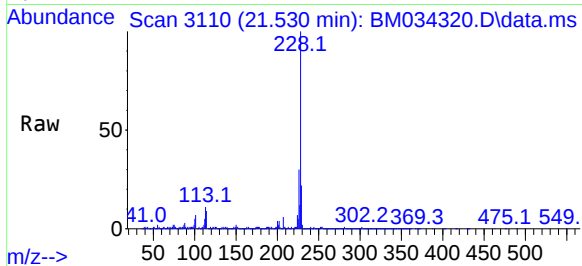
Tgt Ion:228 Resp: 1667464
 Ion Ratio Lower Upper
 228 100
 226 27.6 21.6 32.4
 229 20.5 15.8 23.6





#83
Chrysene
Concen: 31.852 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

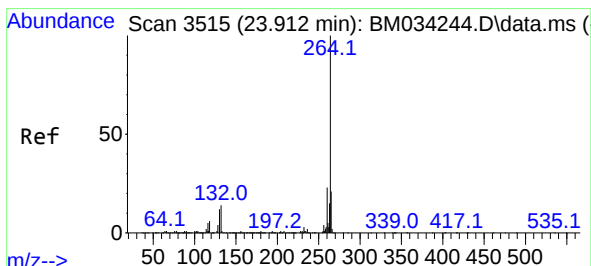
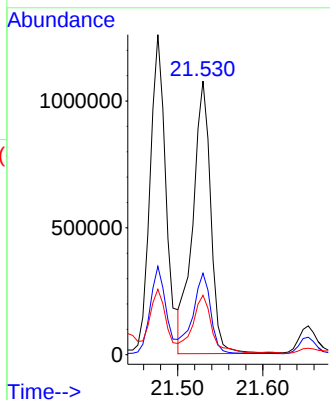
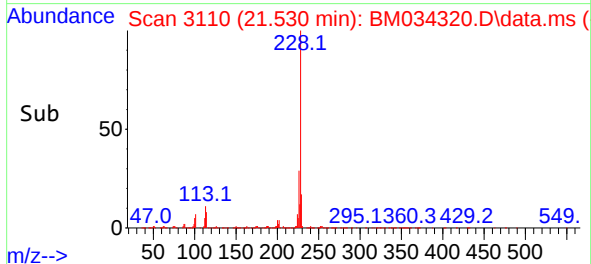
Instrument :
BNA_M
ClientSampleId :
C-23-25-28



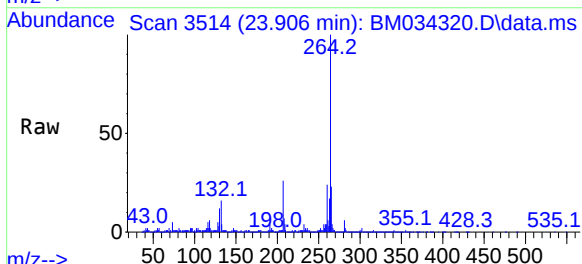
Tgt Ion:228 Resp: 157278
Ion Ratio Lower Upper
228 100
226 29.7 23.8 35.6
229 21.7 15.6 23.4

Manual Integrations
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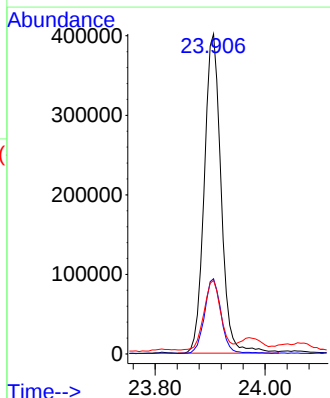
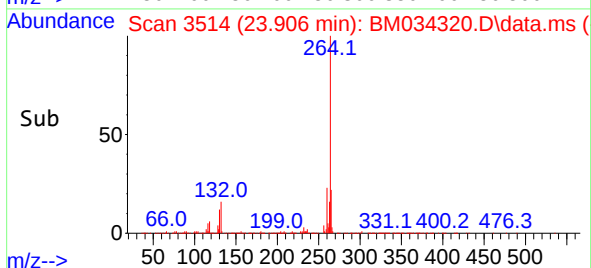
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

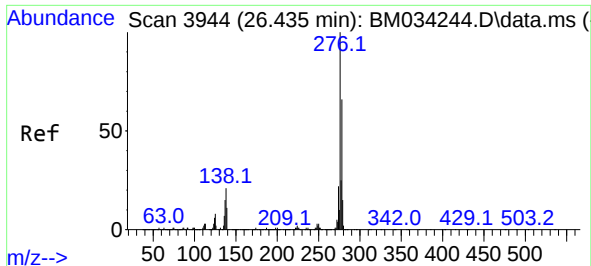


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15



Tgt Ion:264 Resp: 851280
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 23.0 17.6 26.4





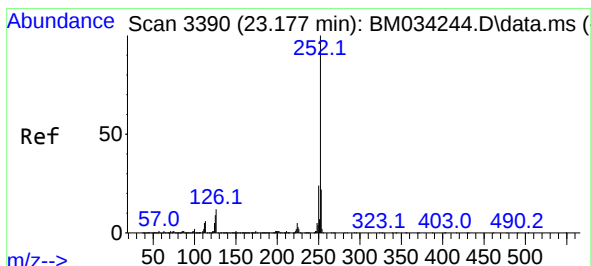
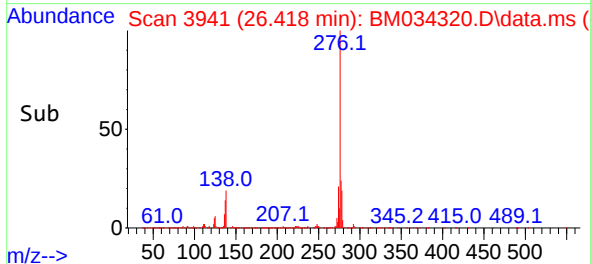
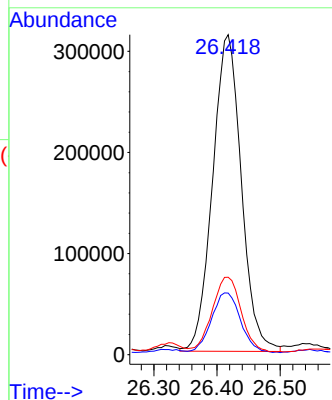
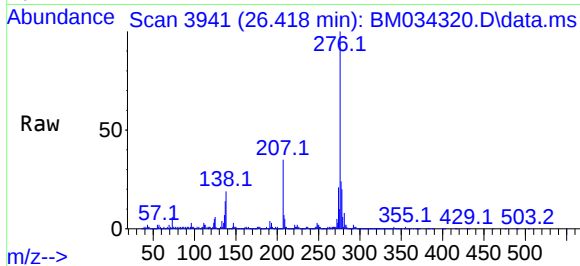
#87
Indeno(1,2,3-cd)pyrene
Concen: 18.063 ng
RT: 26.418 min Scan# 3944
Delta R.T. -0.018 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

Instrument :
BNA_M
ClientSampleId :
C-23-25-28

Tgt Ion:276 Resp: 989168
Ion Ratio Lower Upper
276 100
138 19.5 16.6 25.0
277 24.3 19.8 29.6

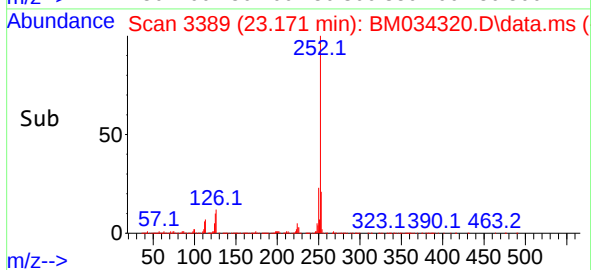
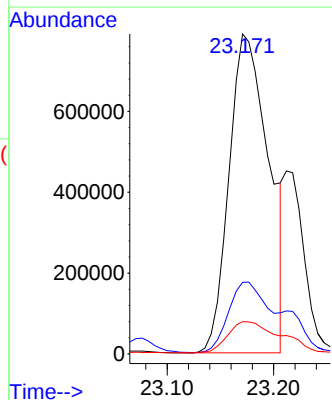
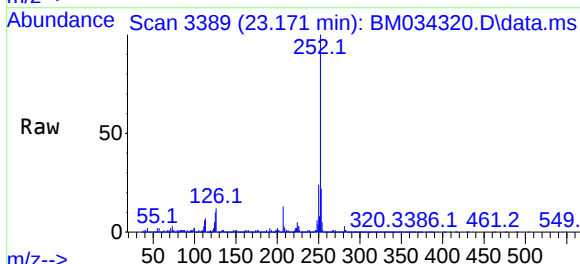
Manual Integrations
APPROVED

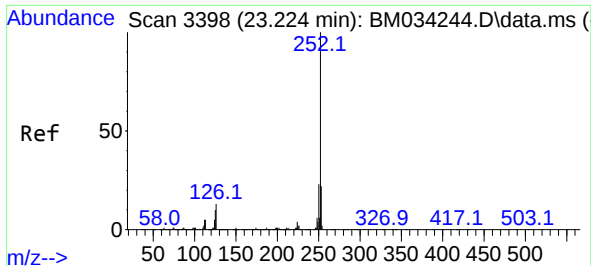
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#88
Benzo(b)fluoranthene
Concen: 40.173 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

Tgt Ion:252 Resp: 2044977
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.1 7.2 10.8





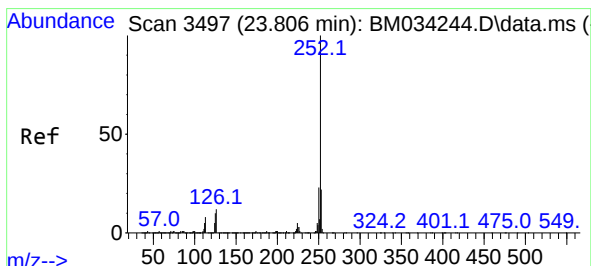
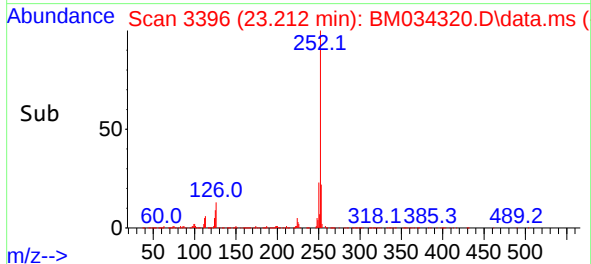
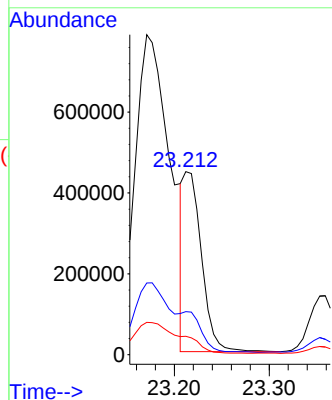
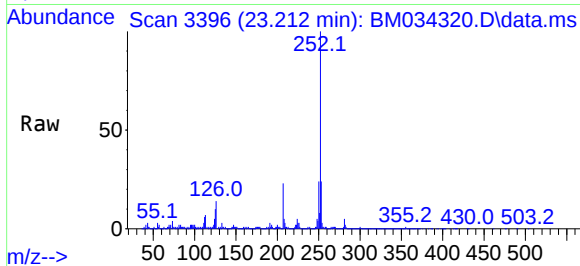
#89
Benzo(k)fluoranthene
Concen: 10.860 ng m
RT: 23.212 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

Instrument :
BNA_M
ClientSampleId :
C-23-25-28

Tgt Ion:252 Resp: 585610
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 10.0 7.5 11.3

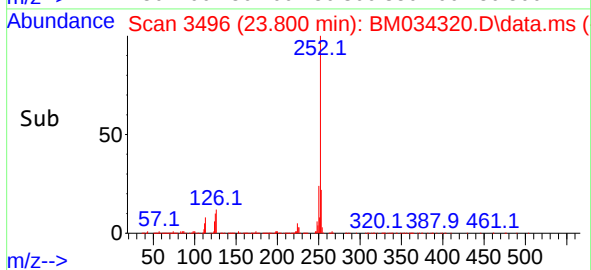
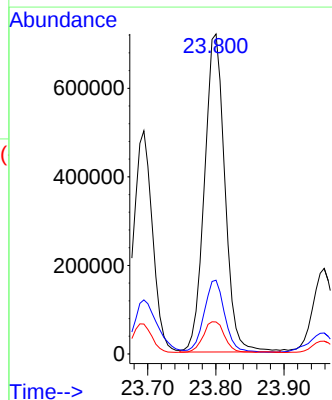
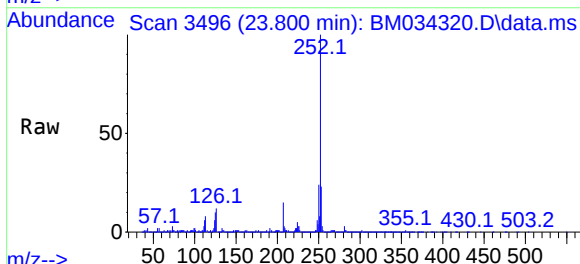
Manual Integrations
APPROVED

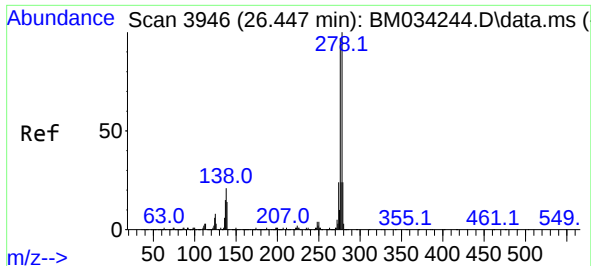
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#90
Benzo(a)pyrene
Concen: 34.687 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

Tgt Ion:252 Resp: 1496871
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.0 7.8 11.6





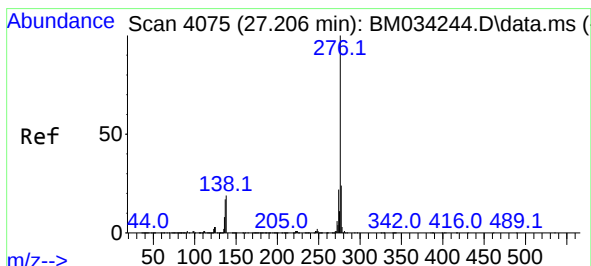
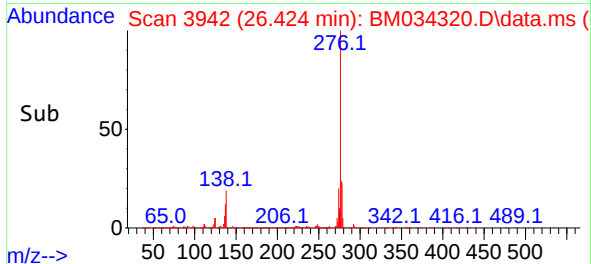
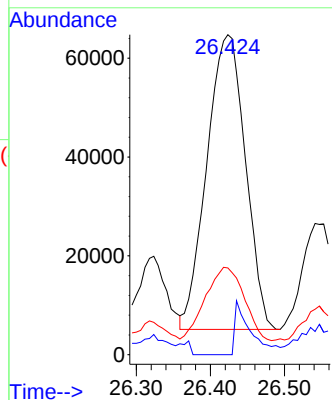
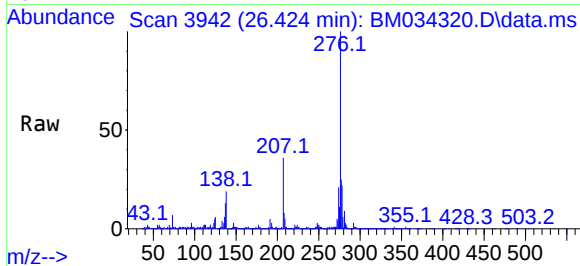
#91
Dibenzo(a,h)anthracene
Concen: 4.853 ng
RT: 26.424 min Scan# 3946
Delta R.T. -0.024 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

Instrument :
BNA_M
ClientSampleId :
C-23-25-28

Tgt Ion:278 Resp: 215460
Ion Ratio Lower Upper
278 100
139 0.0 11.2 16.8
279 27.1 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#92
Benzo(g,h,i)perylene
Concen: 21.987 ng
RT: 27.188 min Scan# 4072
Delta R.T. -0.018 min
Lab File: BM034320.D
Acq: 22 Mar 2022 21:15

Tgt Ion:276 Resp: 1010534
Ion Ratio Lower Upper
276 100
277 25.2 19.0 28.4
138 19.3 15.6 23.4

