

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
 Data File : BM034329.D
 Acq On : 23 Mar 2022 02:41
 Operator : CG/JU
 Sample : N1962-04 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-19-18-19

Manual Integrations
 APPROVED

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

Quant Time: Mar 23 05:09:42 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	7.937	152	158207	20.000	ng	-0.01
21) Naphthalene-d8	10.748	136	619851	20.000	ng	-0.02
39) Acenaphthene-d10	14.577	164	367125	20.000	ng	-0.01
64) Phenanthrene-d10	17.318	188	708016	20.000	ng	-0.01
76) Chrysene-d12	21.489	240	697339	20.000	ng	-0.01
86) Perylene-d12	23.900	264	773427	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	248302	28.156	ng	0.00
7) Phenol-d6	7.095	99	315693	25.002	ng	-0.01
23) Nitrobenzene-d5	9.095	82	200603	15.757	ng	-0.02
42) 2,4,6-Tribromophenol	16.060	330	116198	23.482	ng	-0.01
45) 2-Fluorobiphenyl	13.207	172	429883	16.001	ng	-0.01
79) Terphenyl-d14	19.936	244	562752	14.022	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	10.801	128	561068	17.374	ng	100
37) 2-Methylnaphthalene	12.407	142	158531	6.880	ng	99
38) 1-Methylnaphthalene	12.630	142	128710	5.710	ng	100
49) Acenaphthylene	14.301	152	100184	2.992	ng	98
52) Acenaphthene	14.642	154	184736	8.189	ng	97
55) Dibenzofuran	14.971	168	263679	7.844	ng	99
58) Fluorene	15.624	166	377692	13.839	ng	98
71) Phenanthrene	17.359	178	3007804	75.858	ng	99
72) Anthracene	17.448	178	664696	17.223	ng	99
73) Carbazole	17.718	167	215237	5.980	ng	99
75) Fluoranthene	19.371	202	2339442	52.632	ng	99
78) Pyrene	19.736	202	2191775	44.610	ng	100
81) Benzo(a)anthracene	21.471	228	930762	21.147	ng	98
83) Chrysene	21.524	228	864746	19.240	ng	98
87) Indeno(1,2,3-cd)pyrene	26.412	276	410912	8.259	ng	98
88) Benzo(b)fluoranthene	23.171	252	907662	19.625	ng	99
89) Benzo(k)fluoranthene	23.212	252	286954m	5.857	ng	
90) Benzo(a)pyrene	23.794	252	750398	19.139	ng	98
91) Dibenzo(a,h)anthracene	26.418	278	101287	2.511	ng	# 83
92) Benzo(g,h,i)perylene	27.182	276	436125	10.444	ng	100

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

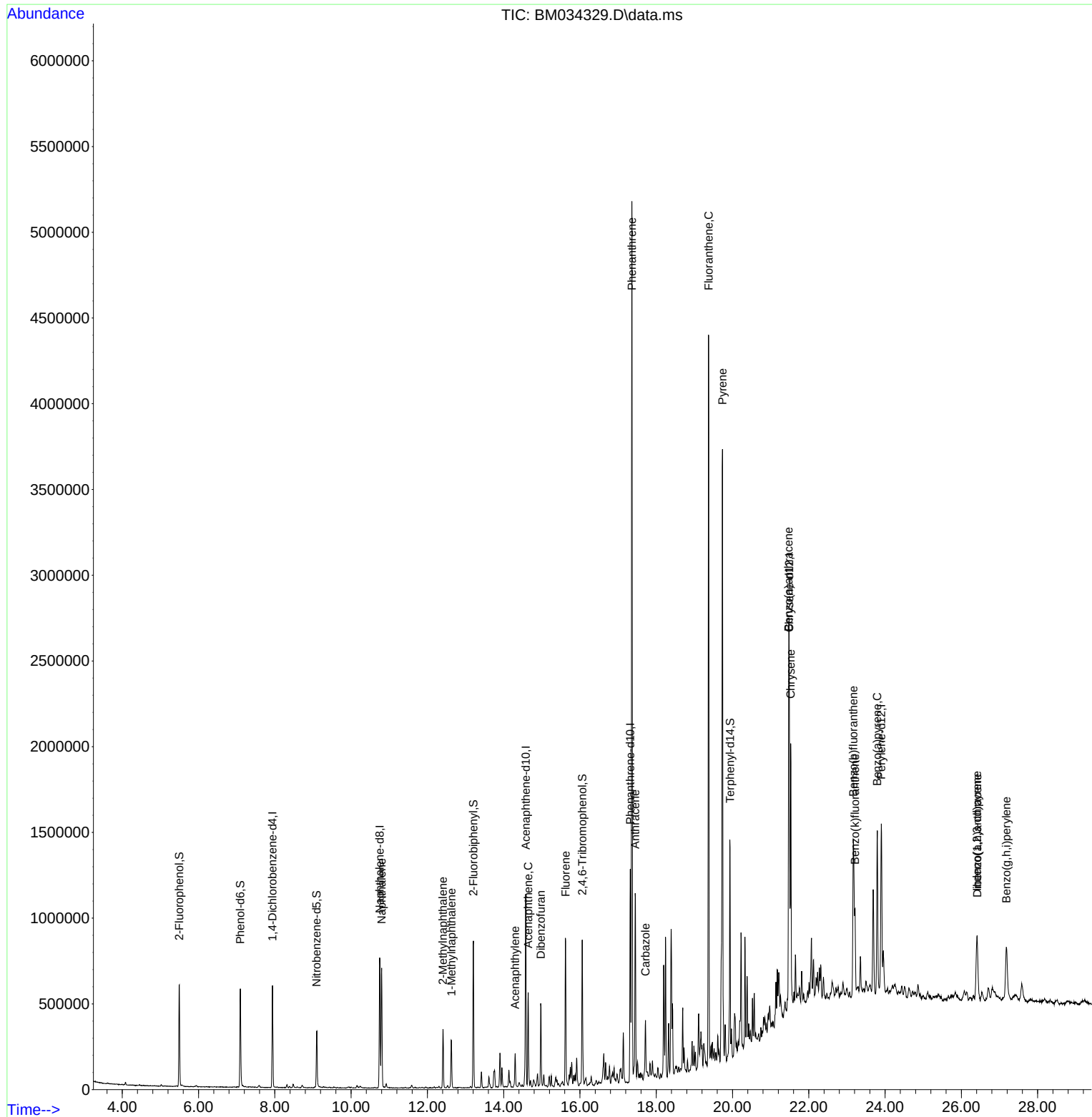
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
Data File : BM034329.D
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ALS Vial : 19 Sample Multiplier: 1

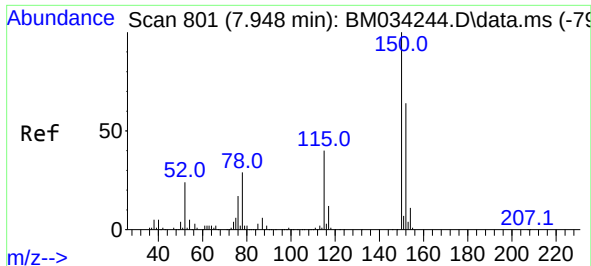
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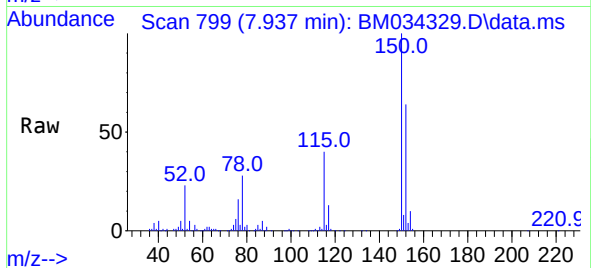
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.937 min Scan# 79
Delta R.T. -0.011 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

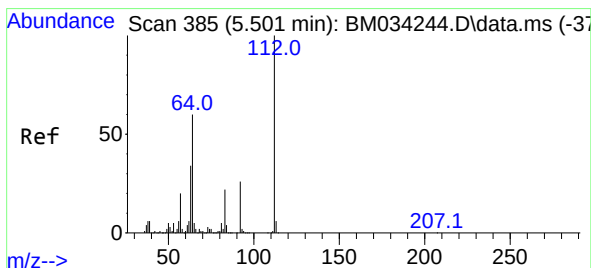
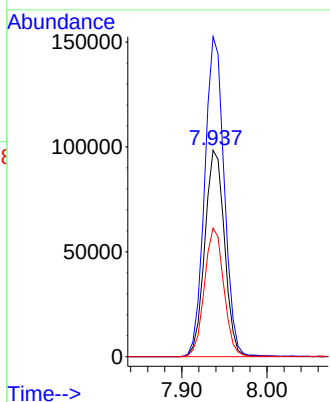
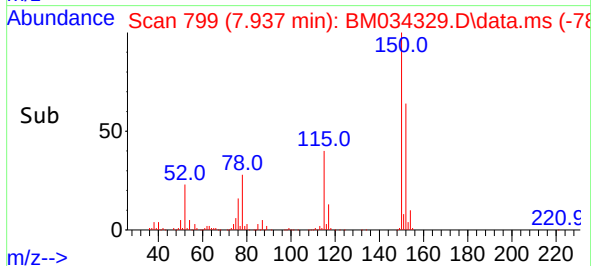
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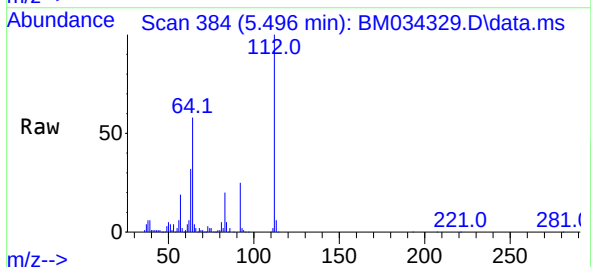
Tgt Ion:152 Resp: 15820
Ion Ratio Lower Upper
152 100
150 155.1 125.4 188.2
115 62.4 50.1 75.1

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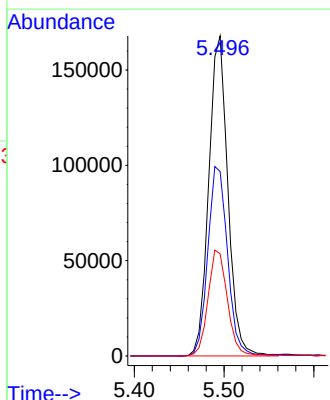
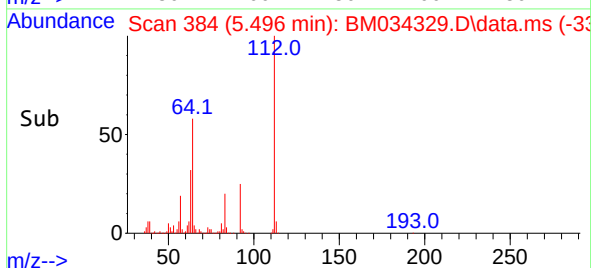
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Supervised By :Jagrut Upadhyay 03/23/2022

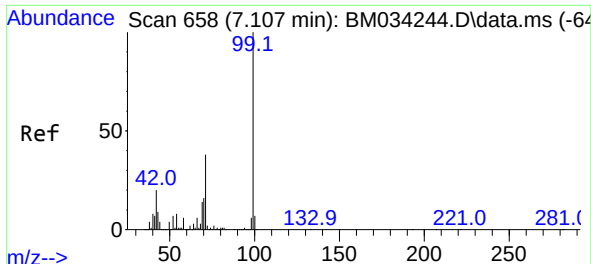


#5
2-Fluorophenol
Concen: 28.156 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



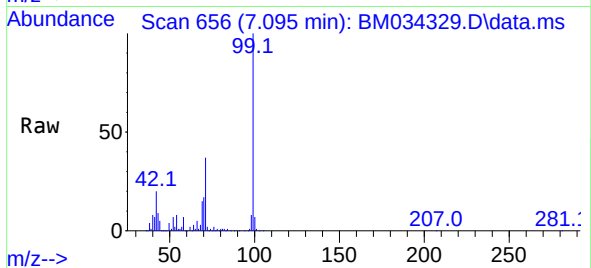
Tgt Ion:112 Resp: 248302
Ion Ratio Lower Upper
112 100
64 57.6 47.9 71.9
63 31.9 27.1 40.7





#7
Phenol-d6
Concen: 25.002 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

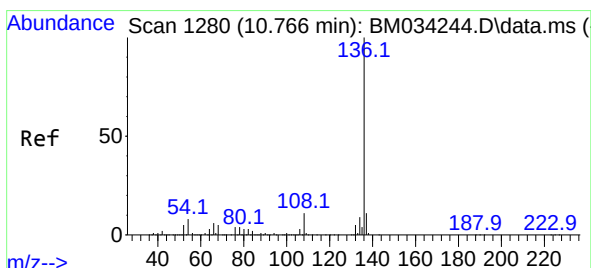
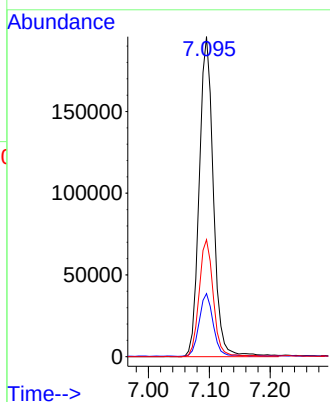
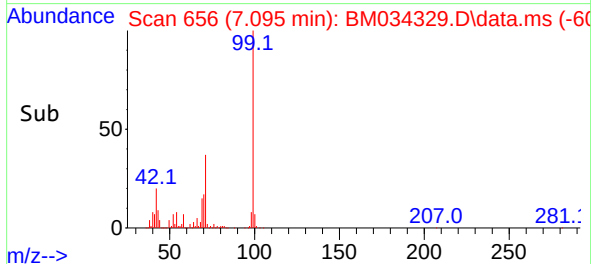
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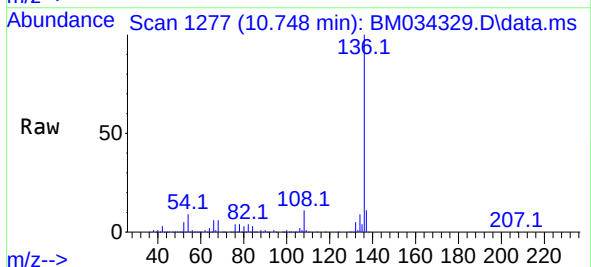
Tgt Ion: 99 Resp: 31569
Ion Ratio Lower Upper
99 100
42 19.7 15.6 23.4
71 36.5 30.6 46.0

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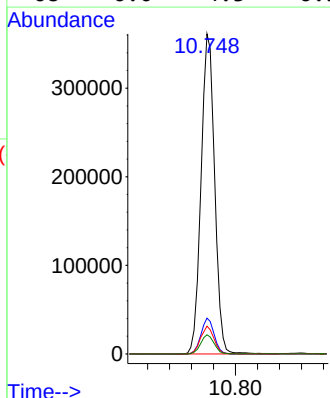
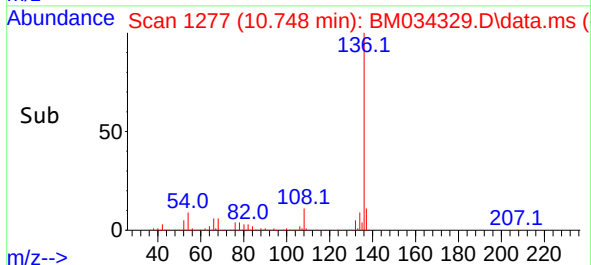
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

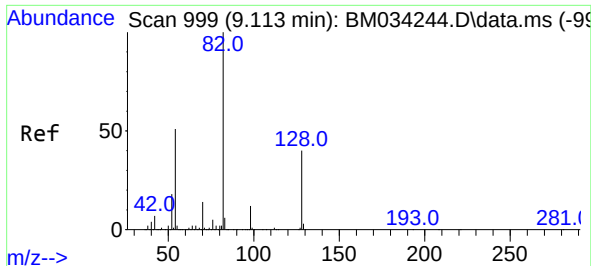


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.748 min Scan# 1277
Delta R.T. -0.018 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



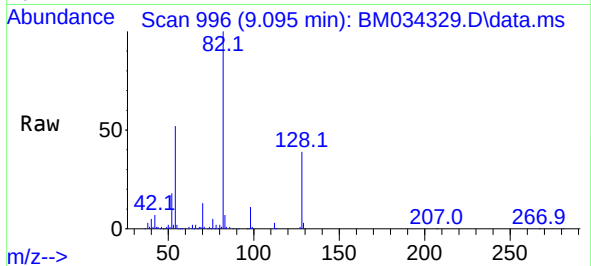
Tgt Ion:136 Resp: 619851
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.7 6.2 9.4
68 6.0 4.3 6.5





#23
Nitrobenzene-d5
Concen: 15.757 ng
RT: 9.095 min Scan# 996
Delta R.T. -0.018 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

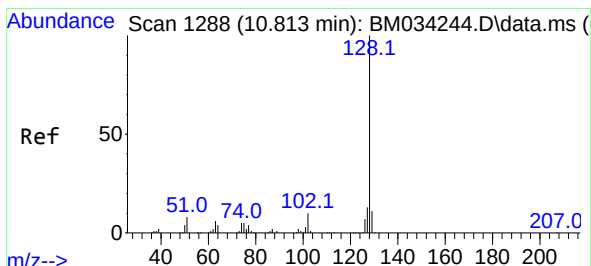
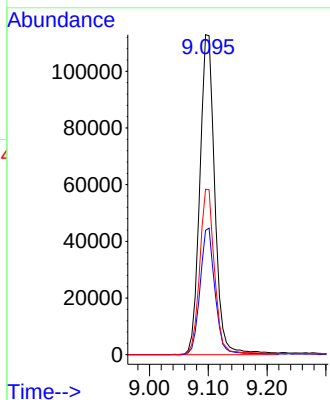
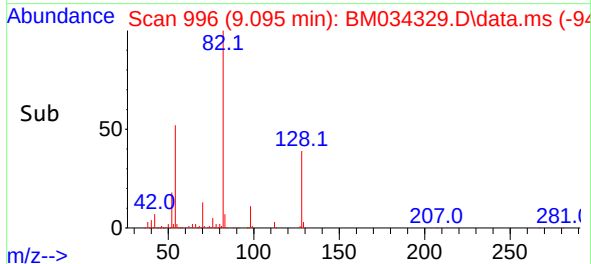
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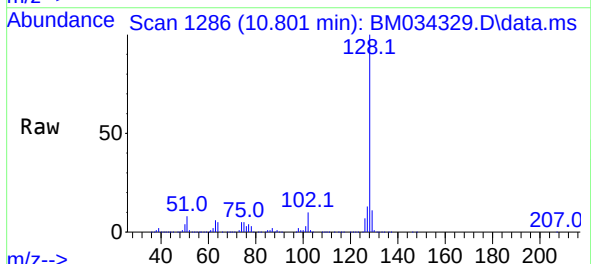
Tgt Ion: 82 Resp: 200600
Ion Ratio Lower Upper
82 100
128 38.8 31.9 47.9
54 51.7 40.6 61.0

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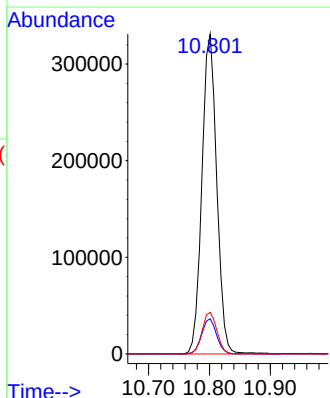
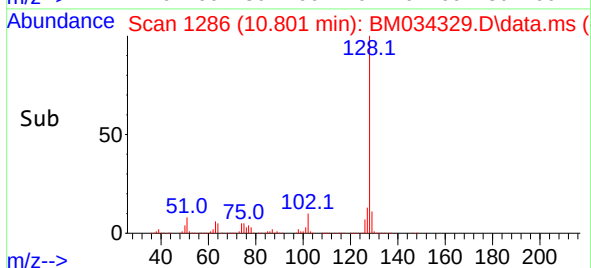
Reviewed By :Christian Giraldo 03/23/2022
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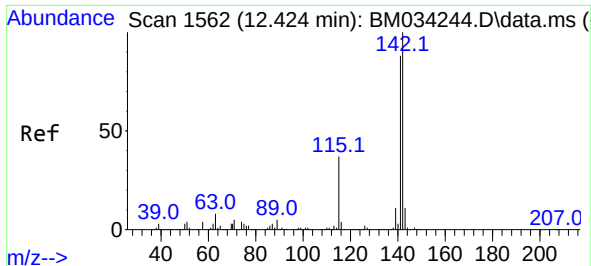


#31
Naphthalene
Concen: 17.374 ng
RT: 10.801 min Scan# 1286
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



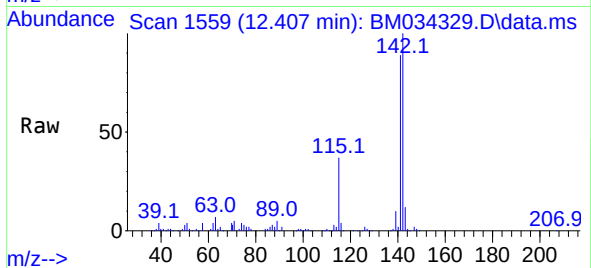
Tgt Ion:128 Resp: 561068
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.0 10.2 15.4





#37
2-Methylnaphthalene
Concen: 6.880 ng
RT: 12.407 min Scan# 1559
Delta R.T. -0.018 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

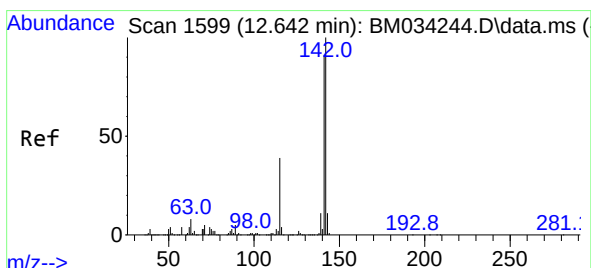
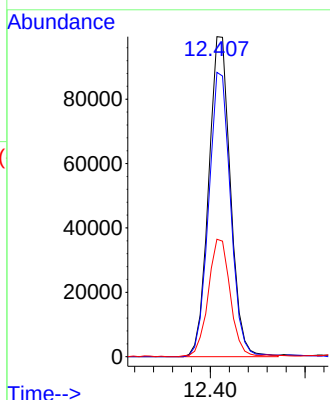
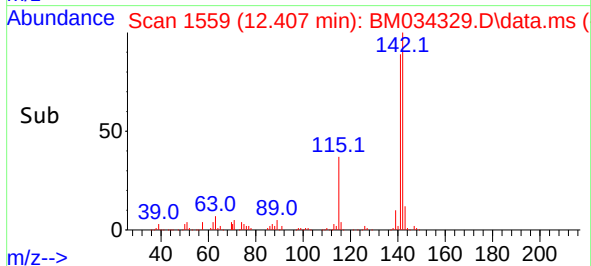
Instrument :
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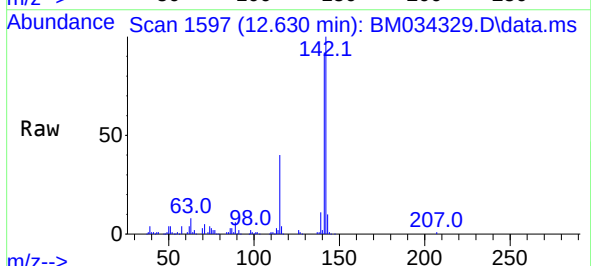
Tgt Ion:142 Resp: 15853
Ion Ratio Lower Upper
142 100
141 88.9 70.1 105.1
115 36.7 29.9 44.9

Manual Integrations
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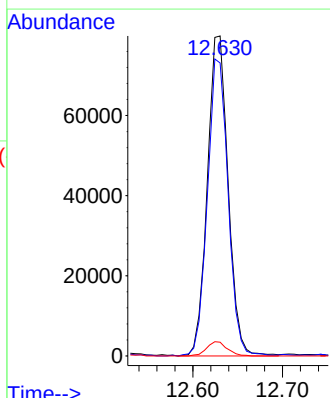
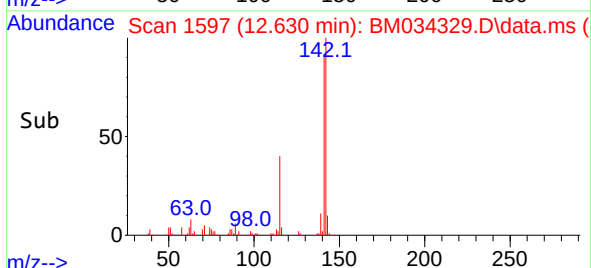
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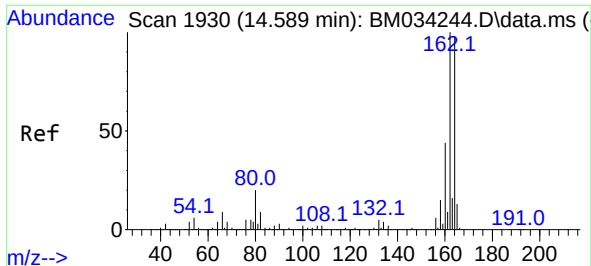


#38
1-Methylnaphthalene
Concen: 5.710 ng
RT: 12.630 min Scan# 1597
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



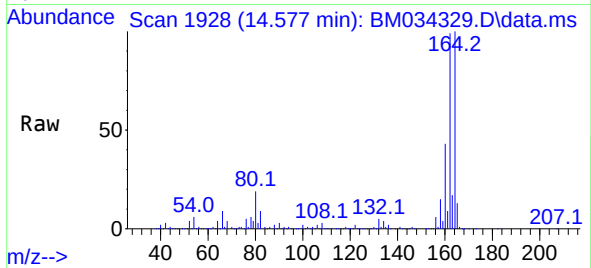
Tgt Ion:142 Resp: 128710
Ion Ratio Lower Upper
142 100
141 91.6 73.0 109.6
116 4.3 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1930
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

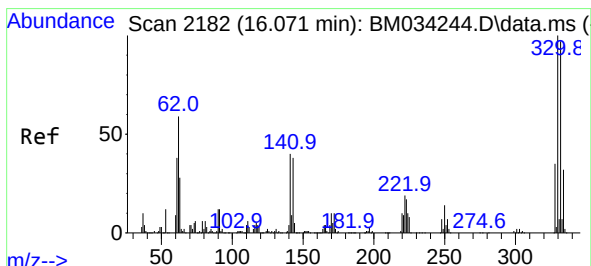
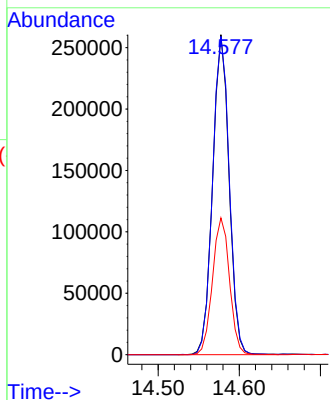
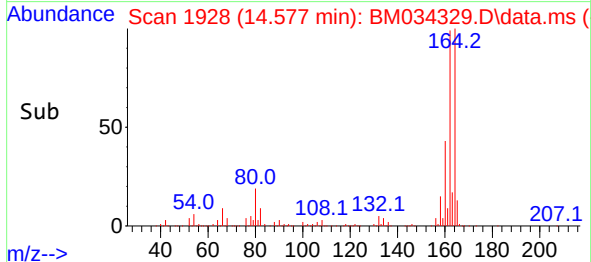
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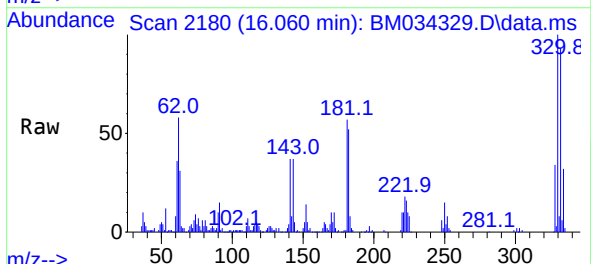
Tgt Ion:164 Resp: 367125
Ion Ratio Lower Upper
164 100
162 99.4 81.6 122.4
160 42.8 35.6 53.4

Manual Integrations
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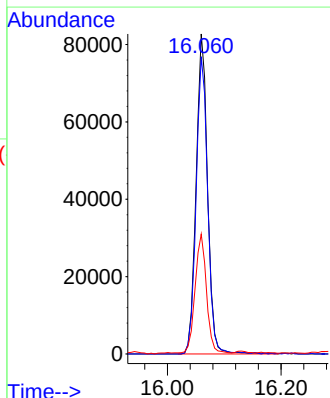
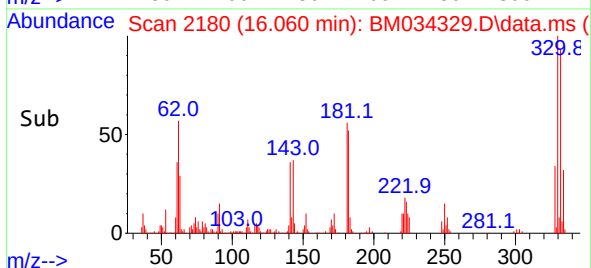
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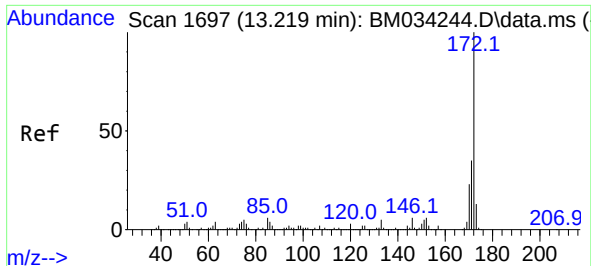


#42
2,4,6-Tribromophenol
Concen: 23.482 ng
RT: 16.060 min Scan# 2180
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



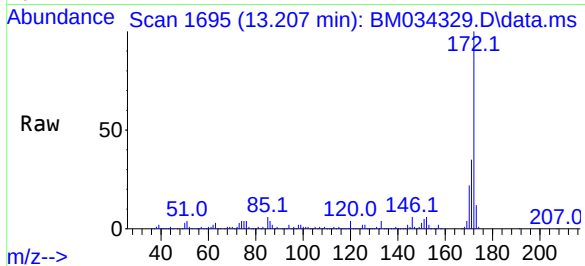
Tgt Ion:330 Resp: 116198
Ion Ratio Lower Upper
330 100
332 93.4 78.2 117.4
141 36.5 30.6 45.8





#45
2-Fluorobiphenyl
Concen: 16.001 ng
RT: 13.207 min Scan# 1695
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

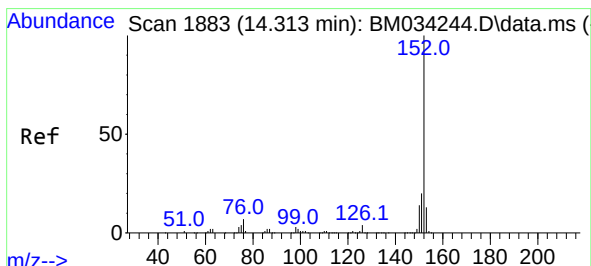
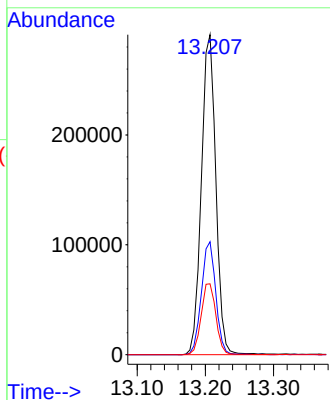
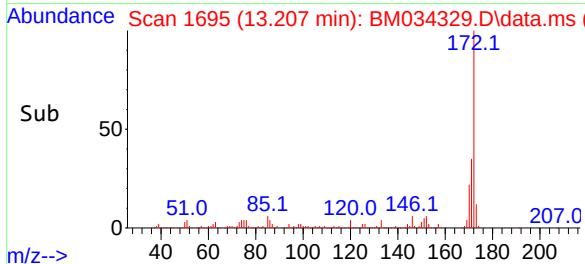
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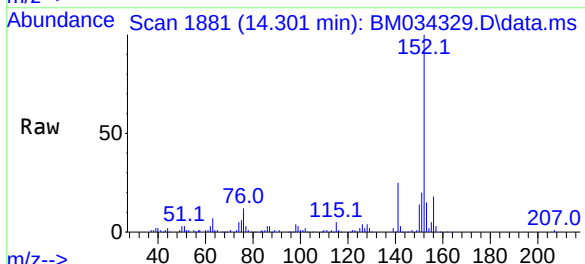
Tgt Ion:172 Resp: 42988
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 22.2 18.6 28.0

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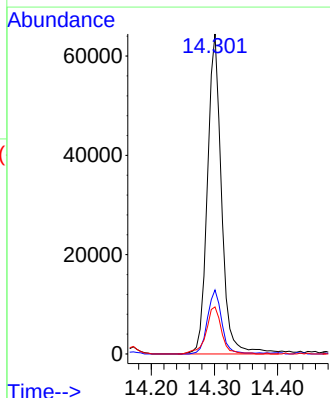
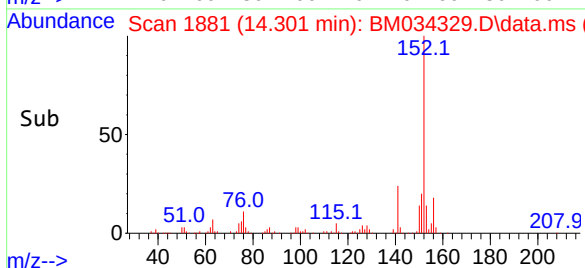
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Supervised By :Jagrut Upadhyay 03/23/2022

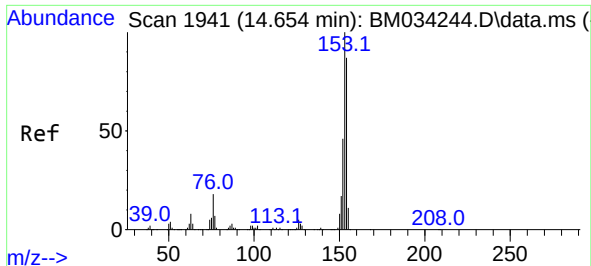


#49
Acenaphthylene
Concen: 2.992 ng
RT: 14.301 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



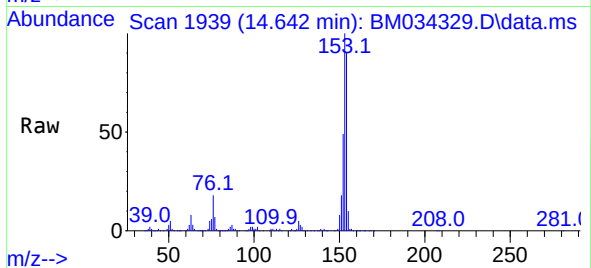
Tgt Ion:152 Resp: 100184
Ion Ratio Lower Upper
152 100
151 20.0 15.9 23.9
153 14.7 10.6 16.0





#52
Acenaphthene
Concen: 8.189 ng
RT: 14.642 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

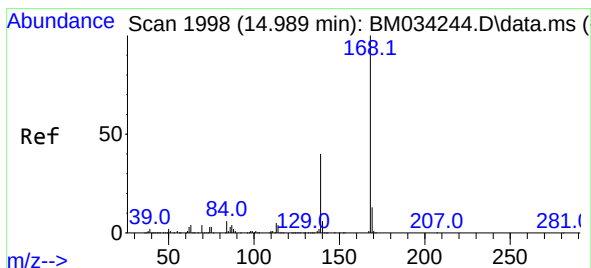
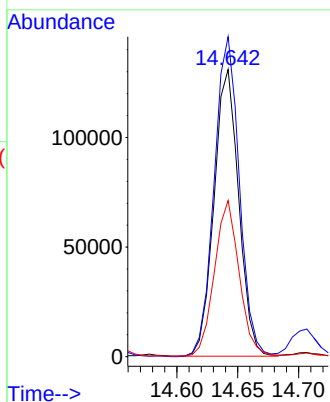
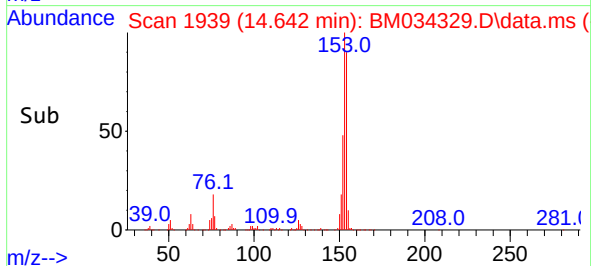
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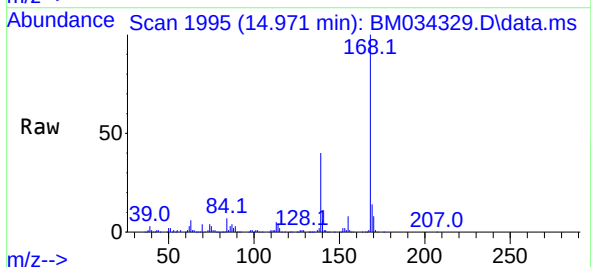
Tgt Ion:154 Resp: 184730
Ion Ratio Lower Upper
154 100
153 111.4 91.8 137.8
152 54.4 42.6 64.0

Manual Integrations
APPROVED

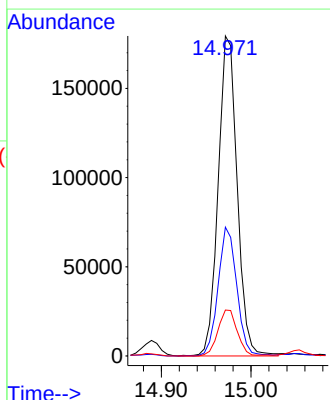
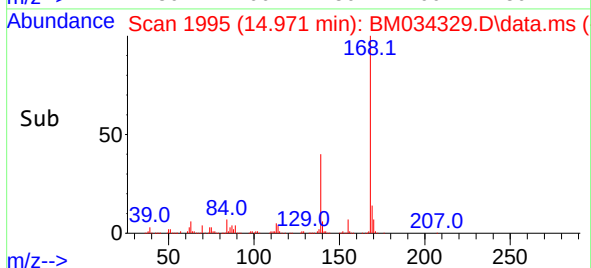
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

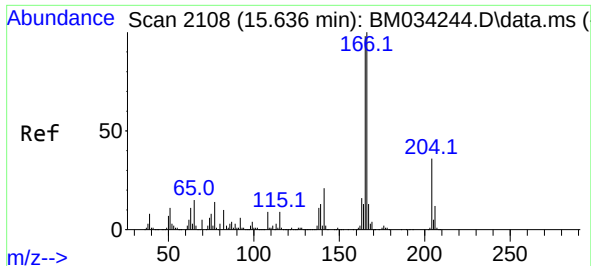


#55
Dibenzofuran
Concen: 7.844 ng
RT: 14.971 min Scan# 1995
Delta R.T. -0.018 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



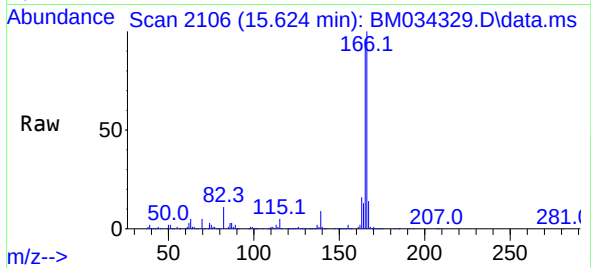
Tgt Ion:168 Resp: 263679
Ion Ratio Lower Upper
168 100
139 40.3 32.4 48.6
169 14.4 10.8 16.2





#58
Fluorene
Concen: 13.839 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

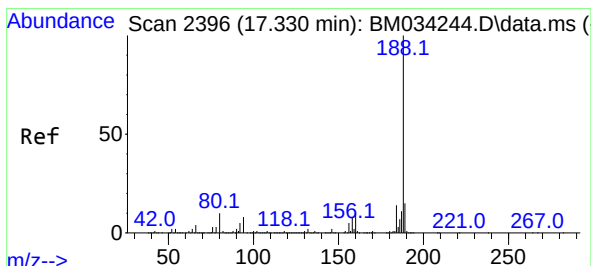
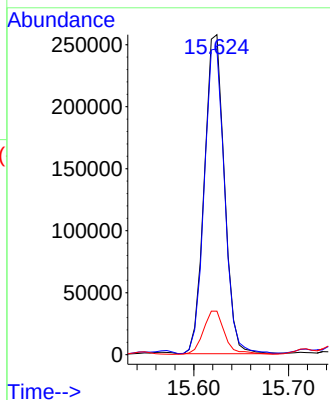
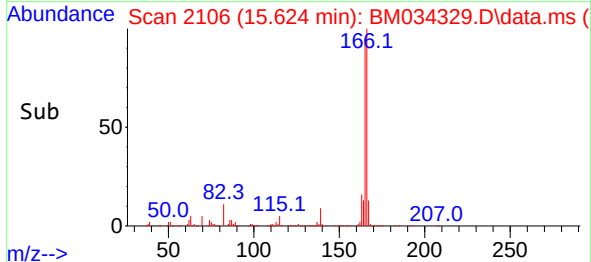
Instrument :
BNA_M
ClientSampleId :
C-19-18-19



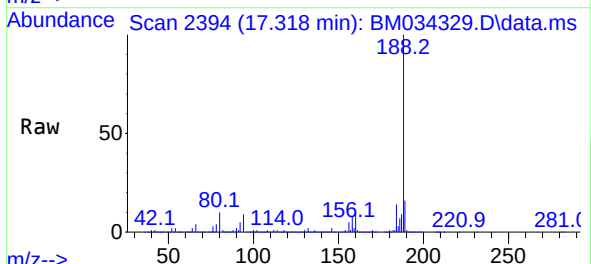
Tgt Ion:166 Resp: 377692
Ion Ratio Lower Upper
166 100
165 95.5 78.0 117.0
167 13.6 10.5 15.7

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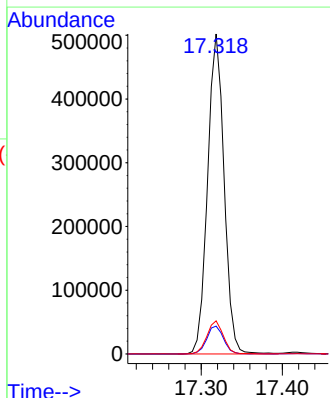
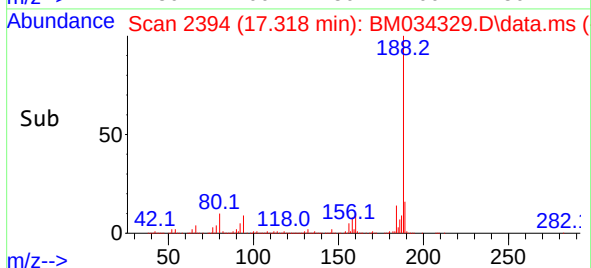
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

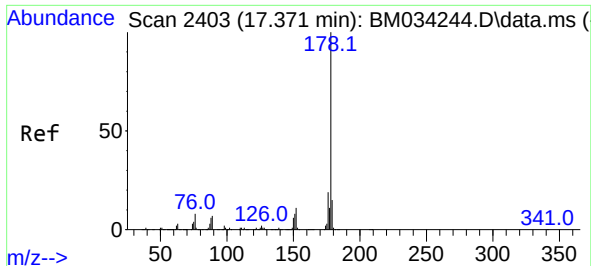


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 2394
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



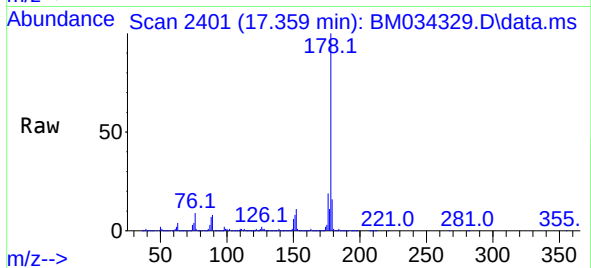
Tgt Ion:188 Resp: 708016
Ion Ratio Lower Upper
188 100
94 8.7 6.6 9.8
80 10.4 7.8 11.8





#71
Phenanthrene
Concen: 75.858 ng
RT: 17.359 min Scan# 2416
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

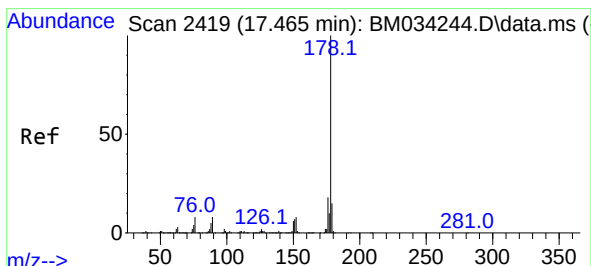
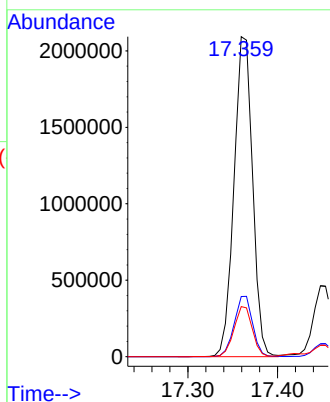
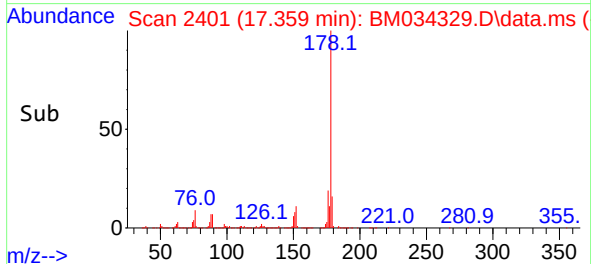
Instrument :
BNA_M
ClientSampleId :
C-19-18-19



Tgt Ion:178 Resp: 3007804
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.6 12.2 18.4

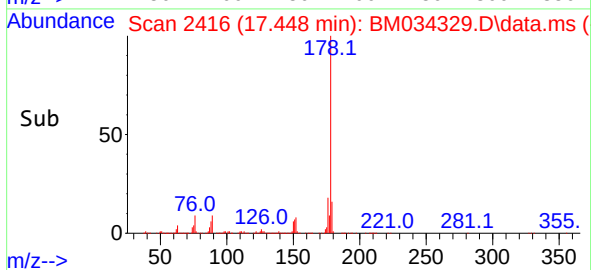
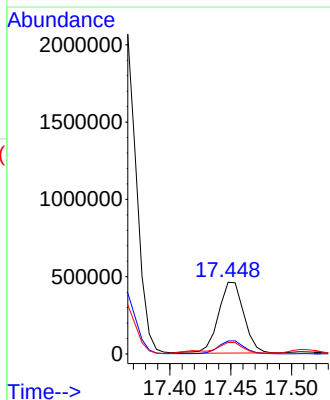
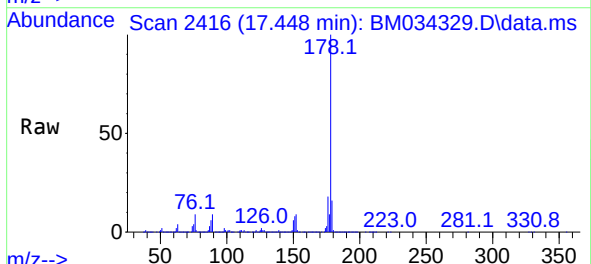
Manual Integrations
APPROVED

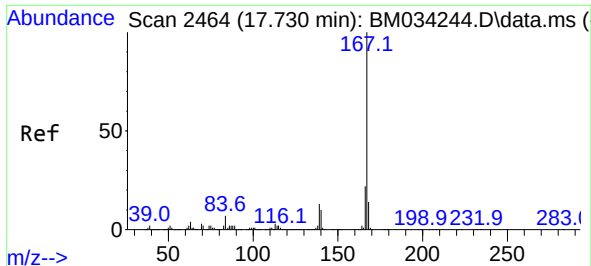
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#72
Anthracene
Concen: 17.223 ng
RT: 17.448 min Scan# 2416
Delta R.T. -0.018 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

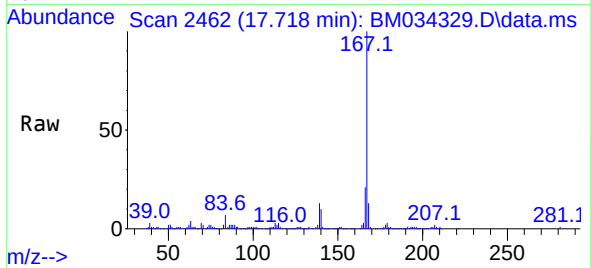
Tgt Ion:178 Resp: 664696
Ion Ratio Lower Upper
178 100
176 18.0 14.6 22.0
179 16.0 12.2 18.2





#73
 Carbazole
 Concen: 5.980 ng
 RT: 17.718 min Scan# 2462
 Delta R.T. -0.012 min
 Lab File: BM034329.D
 Acq: 23 Mar 2022 02:41

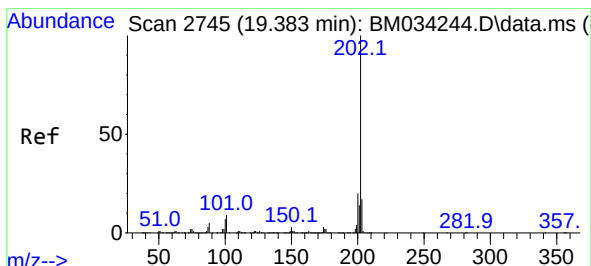
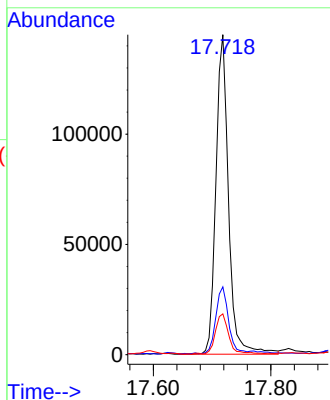
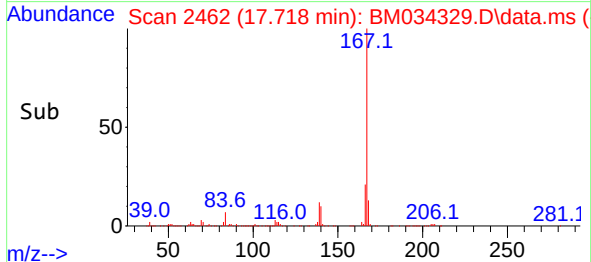
Instrument :
 BNA_M
 ClientSampleId :
 C-19-18-19



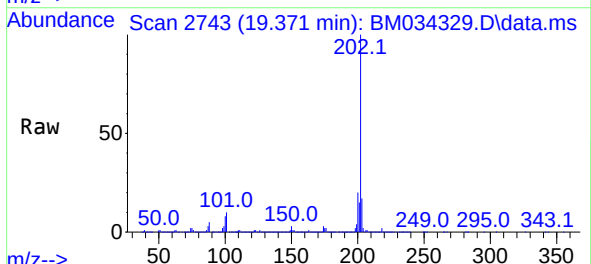
Tgt Ion:167 Resp: 21523
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.4 26.2
 139 12.8 10.4 15.6

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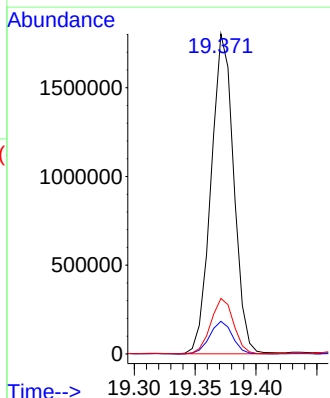
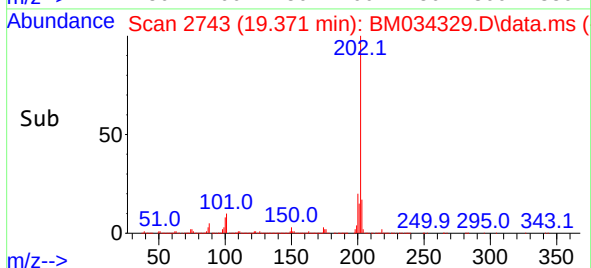
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

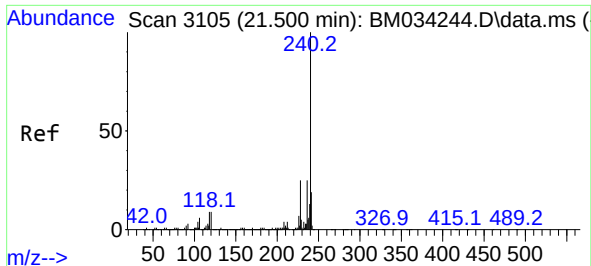


#75
 Fluoranthene
 Concen: 52.632 ng
 RT: 19.371 min Scan# 2743
 Delta R.T. -0.012 min
 Lab File: BM034329.D
 Acq: 23 Mar 2022 02:41



Tgt Ion:202 Resp: 2339442
 Ion Ratio Lower Upper
 202 100
 101 10.2 0.0 29.4
 203 17.4 0.0 37.1





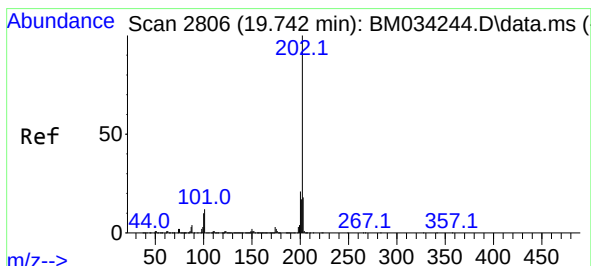
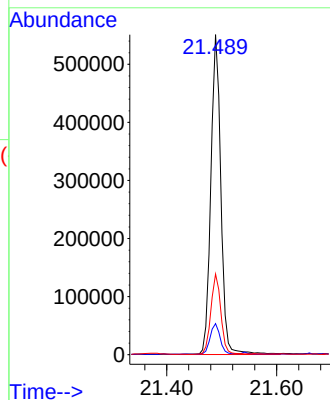
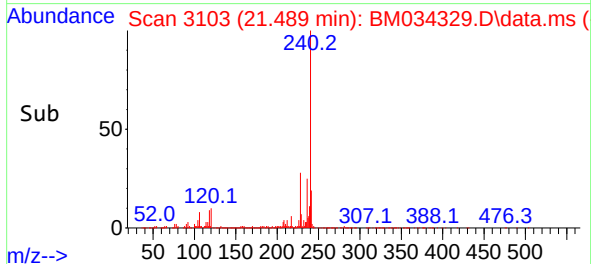
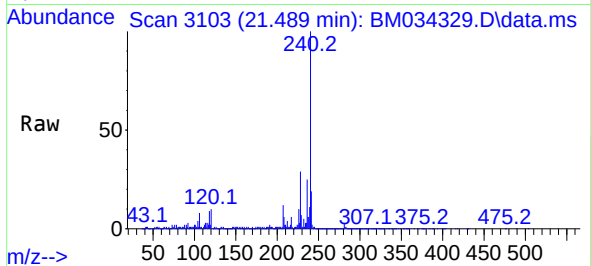
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

Instrument :
BNA_M
ClientSampleId :
C-19-18-19

Tgt Ion:240 Resp: 697339
Ion Ratio Lower Upper
240 100
120 9.7 7.3 10.9
236 25.2 20.2 30.2

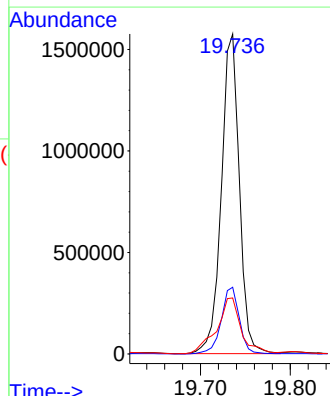
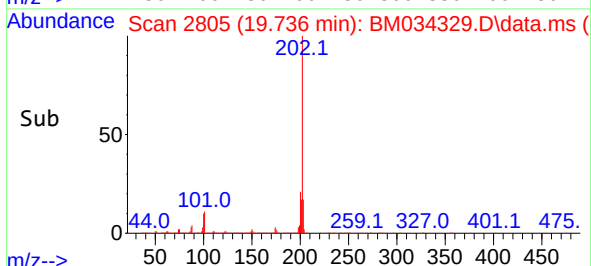
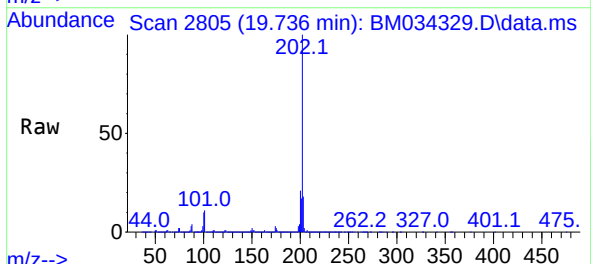
Manual Integrations
APPROVED

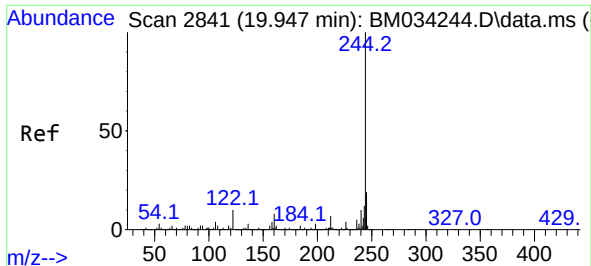
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#78
Pyrene
Concen: 44.610 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

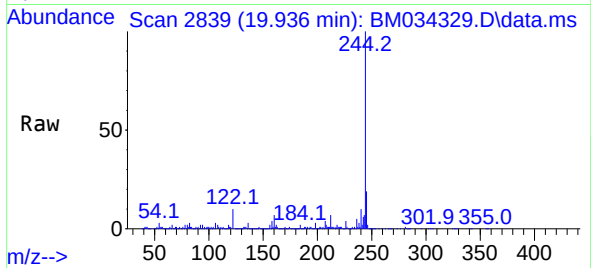
Tgt Ion:202 Resp: 2191775
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 17.5 14.1 21.1





#79
 Terphenyl-d14
 Concen: 14.022 ng
 RT: 19.936 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM034329.D
 Acq: 23 Mar 2022 02:41

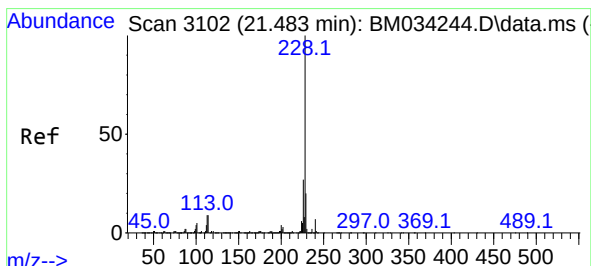
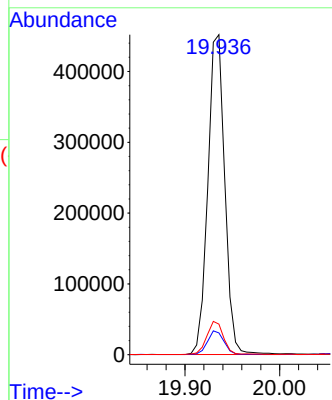
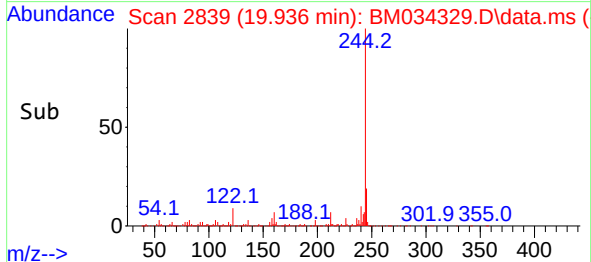
Instrument :
 BNA_M
 ClientSampleId :
 C-19-18-19



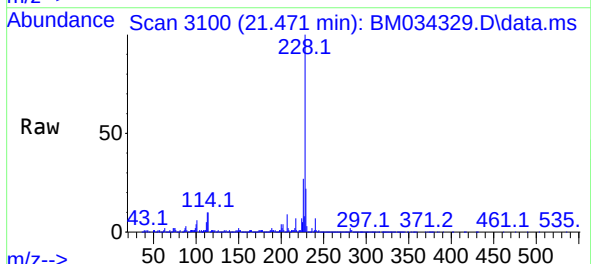
Tgt Ion:244 Resp: 562752
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.9 8.9
 122 9.6 7.8 11.8

Manual Integrations
 APPROVED

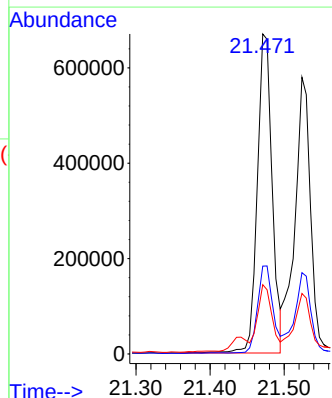
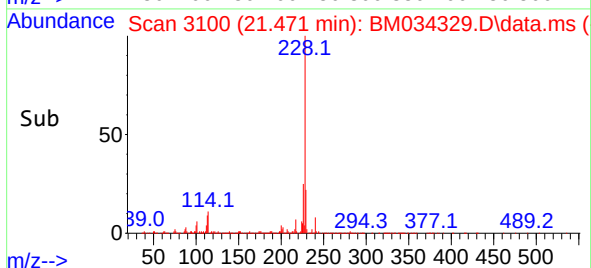
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

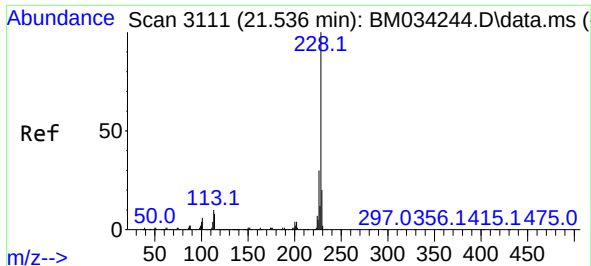


#81
 Benzo(a)anthracene
 Concen: 21.147 ng
 RT: 21.471 min Scan# 3100
 Delta R.T. -0.012 min
 Lab File: BM034329.D
 Acq: 23 Mar 2022 02:41



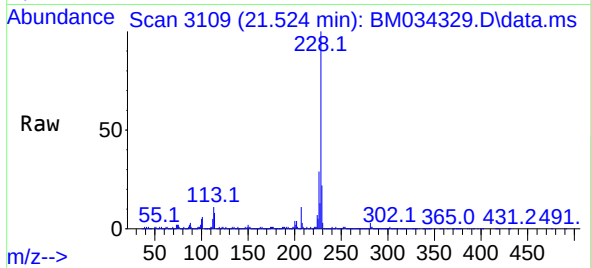
Tgt Ion:228 Resp: 930762
 Ion Ratio Lower Upper
 228 100
 226 27.5 21.6 32.4
 229 21.7 15.8 23.6





#83
Chrysene
Concen: 19.240 ng
RT: 21.524 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

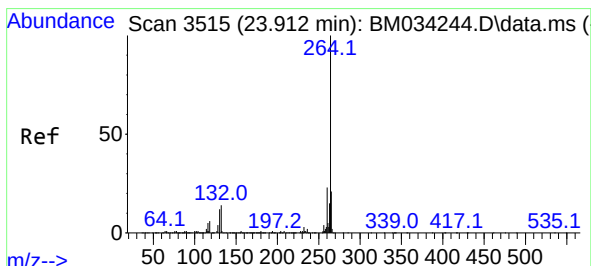
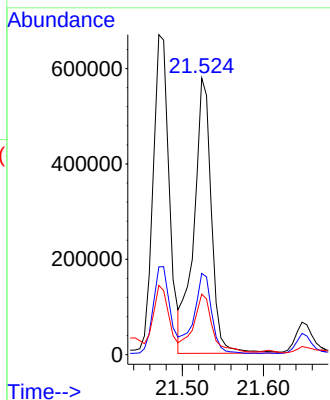
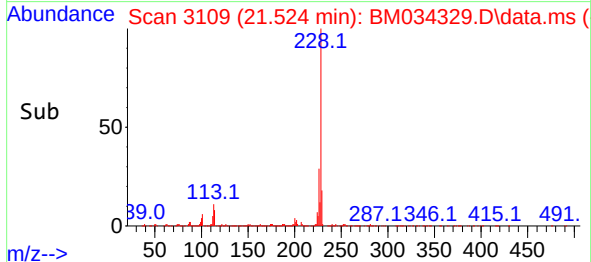
Instrument :
BNA_M
ClientSampleId :
C-19-18-19



Tgt Ion:228 Resp: 864740
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 21.9 15.6 23.4

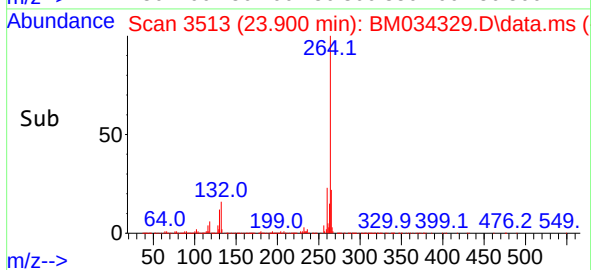
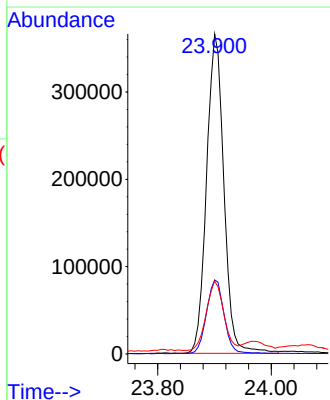
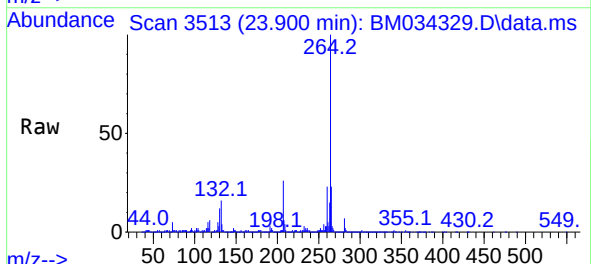
Manual Integrations
APPROVED

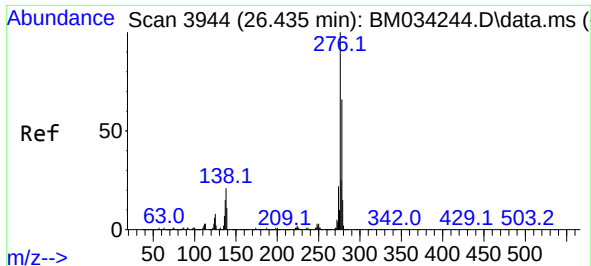
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.900 min Scan# 3513
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

Tgt Ion:264 Resp: 773427
Ion Ratio Lower Upper
264 100
260 23.1 18.6 28.0
265 22.8 17.6 26.4





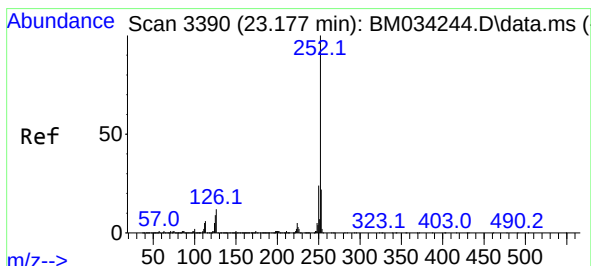
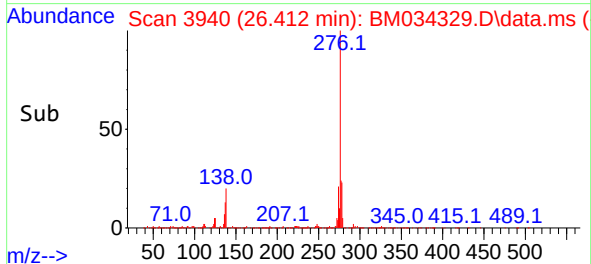
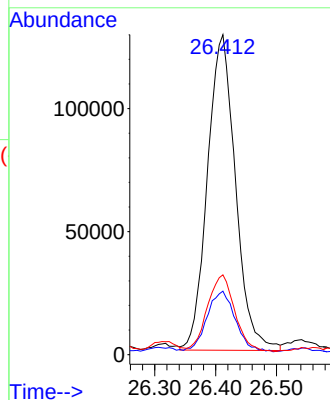
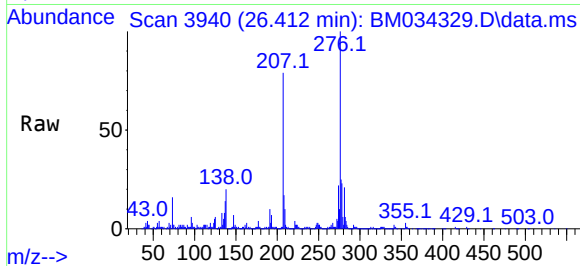
#87
Indeno(1,2,3-cd)pyrene
Concen: 8.259 ng
RT: 26.412 min Scan# 3940
Delta R.T. -0.023 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

Instrument :
BNA_M
ClientSampleId :
C-19-18-19

Tgt Ion:276 Resp: 41091
Ion Ratio Lower Upper
276 100
138 20.0 16.6 25.0
277 23.7 19.8 29.6

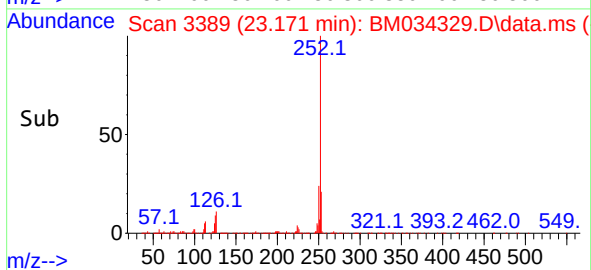
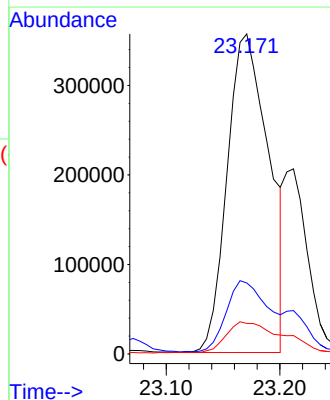
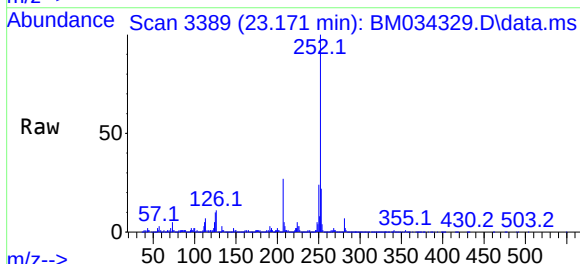
Manual Integrations
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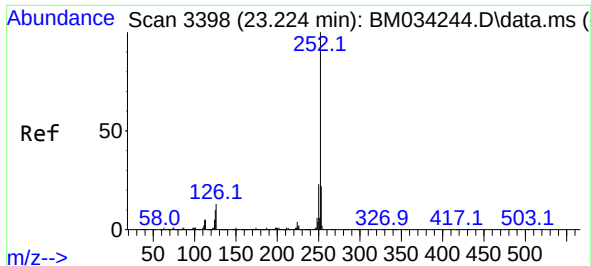
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#88
Benzo(b)fluoranthene
Concen: 19.625 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

Tgt Ion:252 Resp: 907662
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 9.6 7.2 10.8





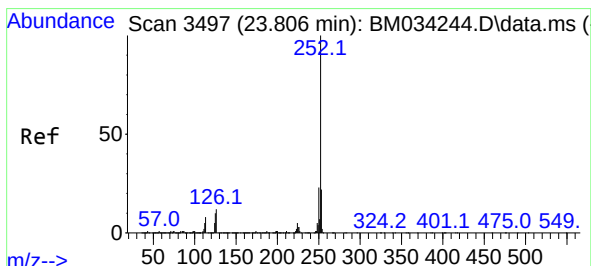
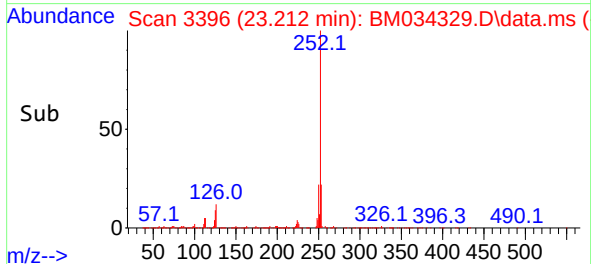
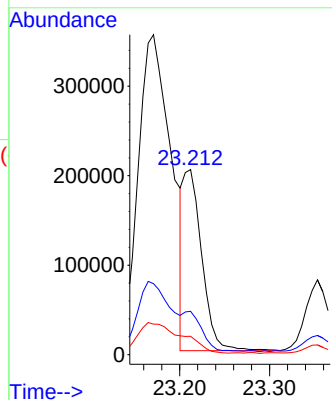
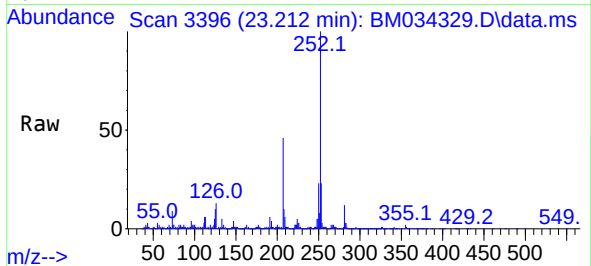
#89
Benzo(k)fluoranthene
Concen: 5.857 ng m
RT: 23.212 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

Instrument :
BNA_M
ClientSampleId :
C-19-18-19

Tgt Ion:252 Resp: 286954
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 10.0 7.5 11.3

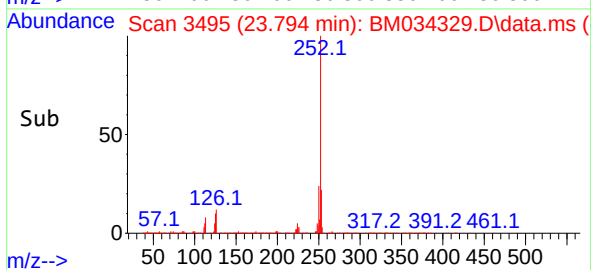
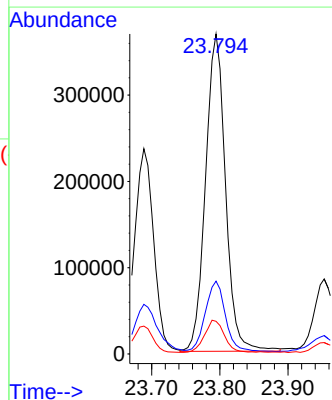
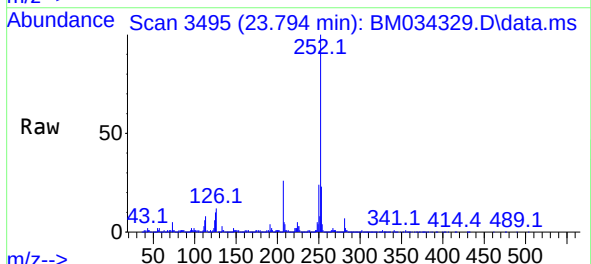
Manual Integrations
APPROVED

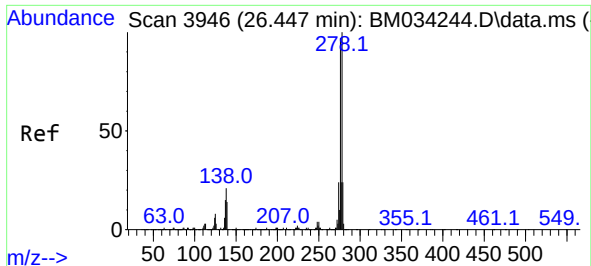
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#90
Benzo(a)pyrene
Concen: 19.139 ng
RT: 23.794 min Scan# 3495
Delta R.T. -0.012 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

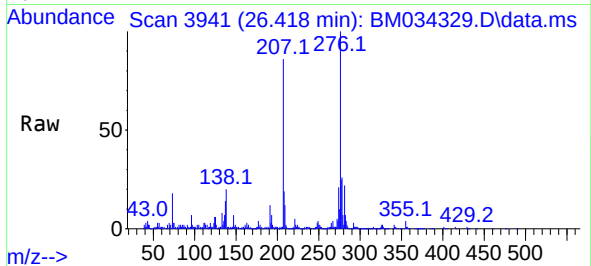
Tgt Ion:252 Resp: 750398
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.2 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 2.511 ng
RT: 26.418 min Scan# 3941
Delta R.T. -0.029 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41

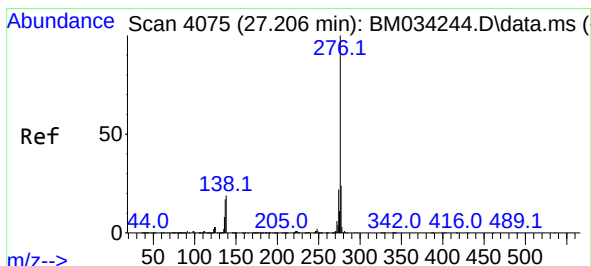
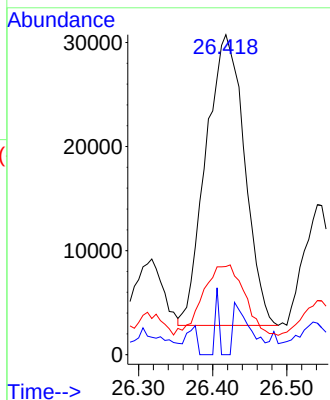
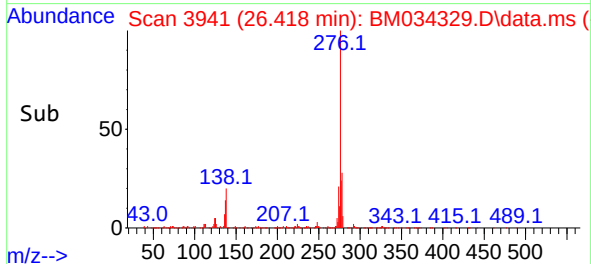
Instrument :
BNA_M
ClientSampleId :
C-19-18-19



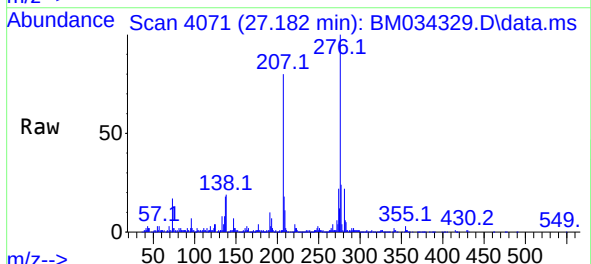
Tgt Ion:278 Resp: 101285
Ion Ratio Lower Upper
278 100
139 0.0 11.2 16.8
279 27.6 19.2 28.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 10.444 ng
RT: 27.182 min Scan# 4071
Delta R.T. -0.023 min
Lab File: BM034329.D
Acq: 23 Mar 2022 02:41



Tgt Ion:276 Resp: 436125
Ion Ratio Lower Upper
276 100
277 23.8 19.0 28.4
138 19.4 15.6 23.4

