

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
 Data File : BM039129.D
 Acq On : 23 Mar 2023 23:14
 Operator : CG/JU
 Sample : 01998-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BROAD-CHANNEL-SUBSTATION-TP1

Manual Integrations
 APPROVED

Reviewed By :Christian
 Giraldo

Quant Time: Mar 24 04:35:25 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM030823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 22 03:36:20 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
Internal Standards							03/24/2023
1) 1,4-Dichlorobenzene-d4	7.957	152	256113	20.000	ng	-0.01	Supervised By :Jagrut Upadhyay
21) Naphthalene-d8	10.769	136	1001436	20.000	ng	-0.01	
39) Acenaphthene-d10	14.598	164	563148	20.000	ng	-0.01	
64) Phenanthrene-d10	17.345	188	1146198	20.000	ng	0.00	
76) Chrysene-d12	21.527	240	1011477	20.000	ng	0.00	
86) Perylene-d12	23.956	264	1162018	20.000	ng	0.00	03/24/2023
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1273917	75.570	ng	0.00	
7) Phenol-d6	7.122	99	1594833	72.836	ng	0.00	
23) Nitrobenzene-d5	9.128	82	1001614	49.130	ng	-0.01	
42) 2,4,6-Tribromophenol	16.092	330	523851	80.410	ng	0.00	
45) 2-Fluorobiphenyl	13.227	172	2039828	47.154	ng	0.00	
79) Terphenyl-d14	19.968	244	2815585	50.894	ng	0.00	
Target Compounds							Qvalue
49) Acenaphthylene	14.322	152	131426	2.293	ng		98
52) Acenaphthene	14.663	154	119551	3.395	ng		98
58) Fluorene	15.645	166	138048	3.198	ng		99
71) Phenanthrene	17.392	178	1899530	28.237	ng		100
72) Anthracene	17.480	178	599423	8.935	ng		99
73) Carbazole	17.751	167	288070	4.705	ng		99
75) Fluoranthene	19.404	202	3591055	50.558	ng		98
78) Pyrene	19.768	202	3252925	42.818	ng		100
81) Benzo(a)anthracene	21.509	228	1777522	24.403	ng		97
83) Chrysene	21.562	228	1681470	23.735	ng		98
84) Bis(2-ethylhexyl)phtha...	21.433	149	67290m	3.851	ng		
87) Indeno(1,2,3-cd)pyrene	26.485	276	1282874	14.509	ng		96
88) Benzo(b)fluoranthene	23.221	252	2672252	35.996	ng		98
89) Benzo(k)fluoranthene	23.262	252	855829m	11.077	ng		
90) Benzo(a)pyrene	23.850	252	1727441	24.178	ng		99
91) Dibenzo(a,h)anthracene	26.497	278	337314	4.505	ng	#	89
92) Benzo(g,h,i)perylene	27.268	276	1256577	17.152	ng		99

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

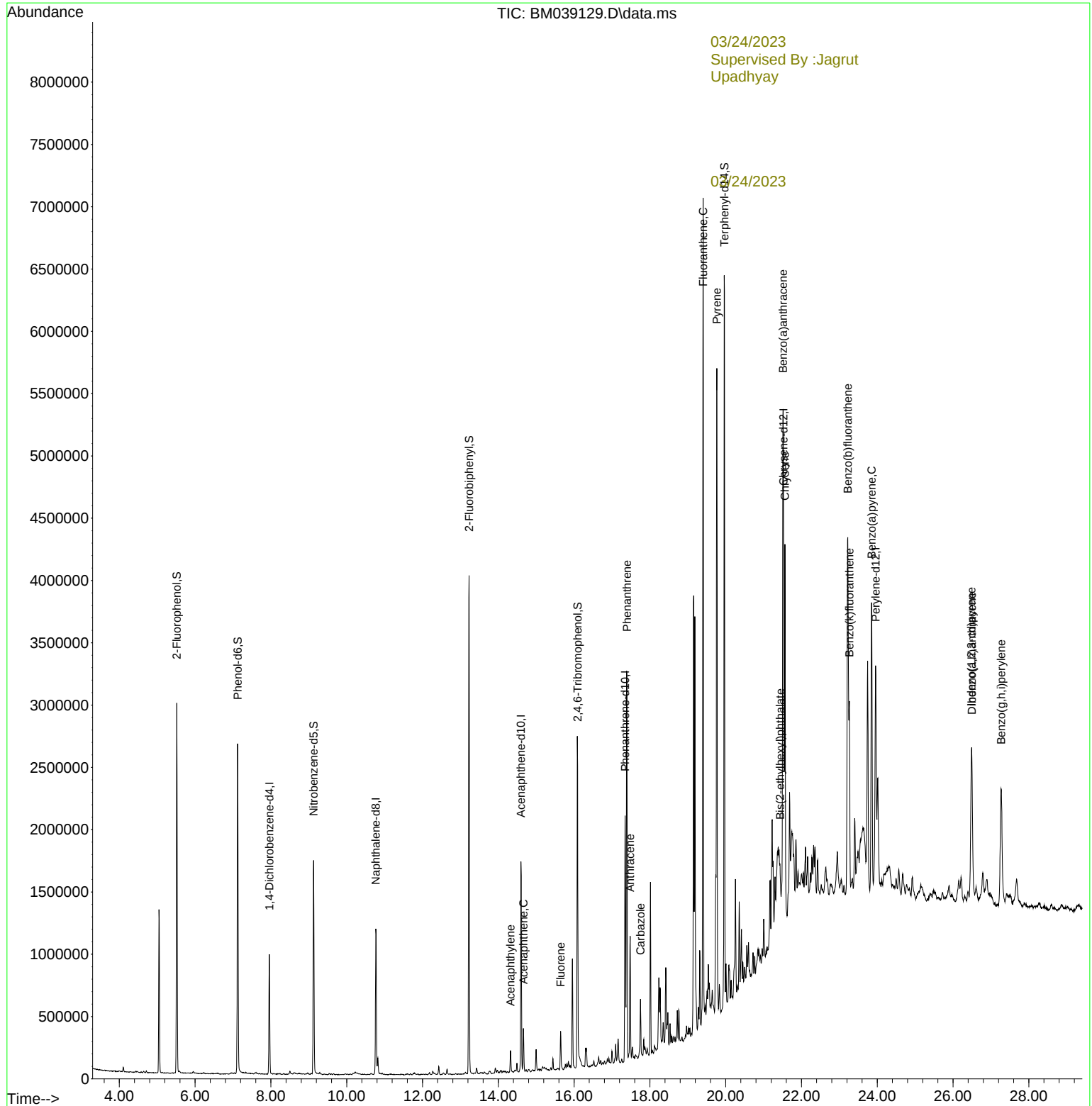
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032323\
Data File : BM039129.D
Acq On : 23 Mar 2023 23:14
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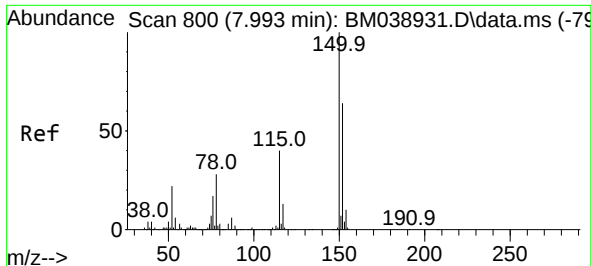
Instrument :
BNA_M
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BROAD-CHANNEL-SUBSTATION-TP1

Quant Time: Mar 24 04:35:25 2023
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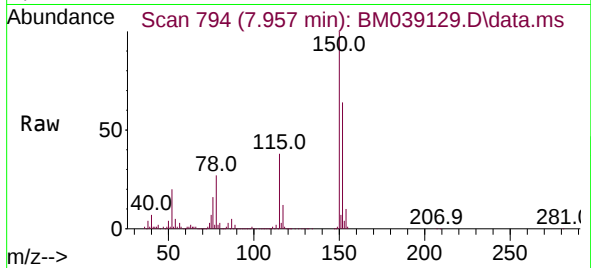
Reviewed By :Christian
Giraldo





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 794
Delta R.T. -0.012 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

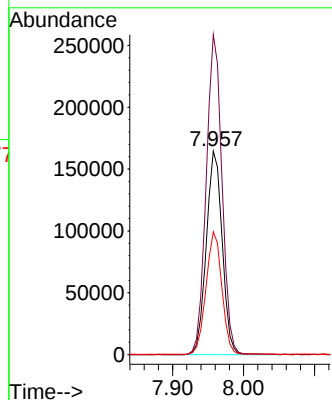
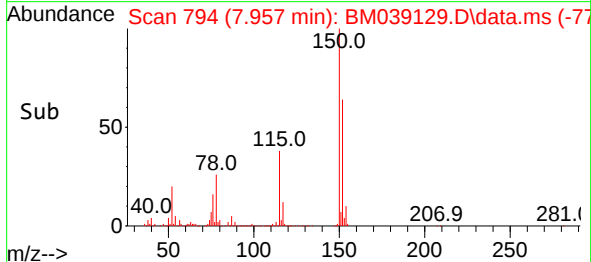
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion:152 Resp: 256113
Ion Ratio Lower Upper
152 100
150 157.3 125.1 187.7
115 60.4 49.6 74.4

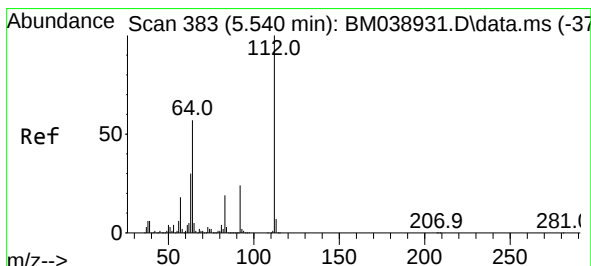
Manual Integrations
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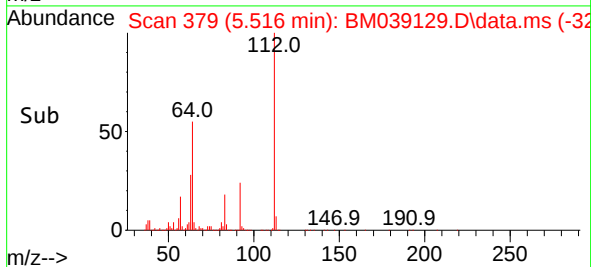
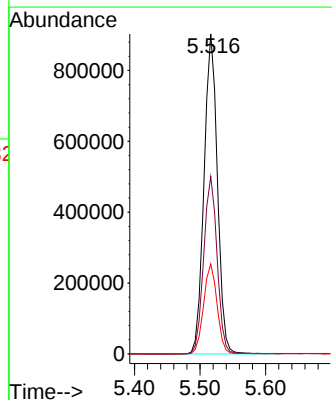
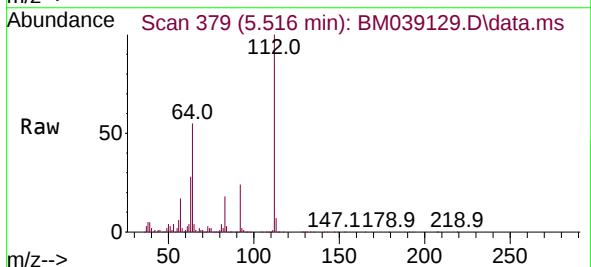
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Supervised By :Jagrut
Upadhyay

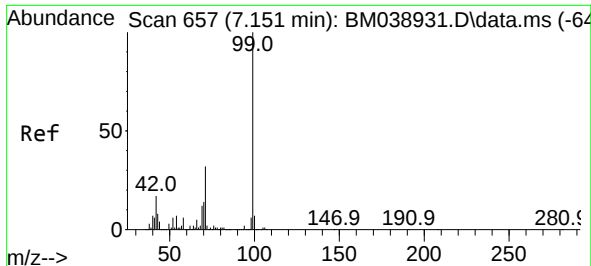
03/24/2023



#5
2-Fluorophenol
Concen: 75.570 ng
RT: 5.516 min Scan# 379
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

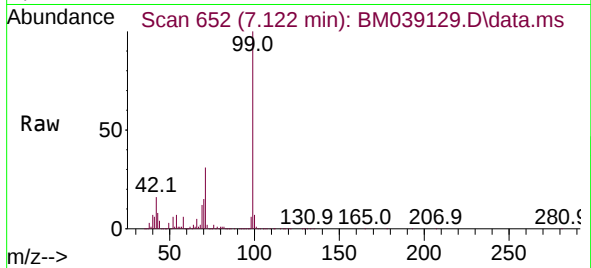
Tgt Ion:112 Resp: 1273917
Ion Ratio Lower Upper
112 100
64 55.5 45.9 68.9
63 28.1 23.8 35.8





#7
Phenol-d6
Concen: 72.836 ng
RT: 7.122 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

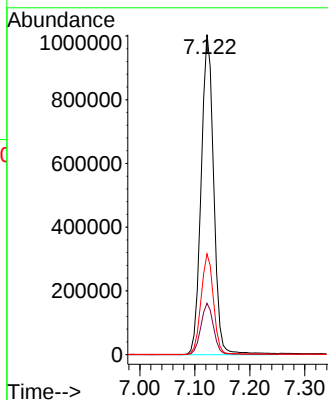
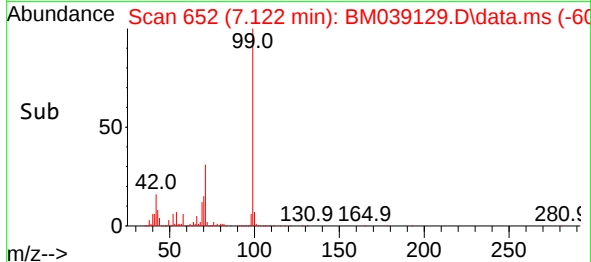
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion: 99 Resp: 1594833
Ion Ratio Lower Upper
99 100
42 16.0 13.5 20.3
71 31.5 25.6 38.4

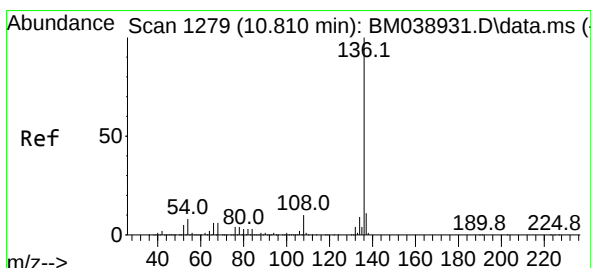
Manual Integrations
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Reviewed By :Christian
Giraldo



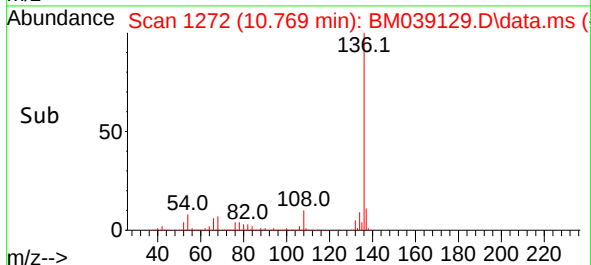
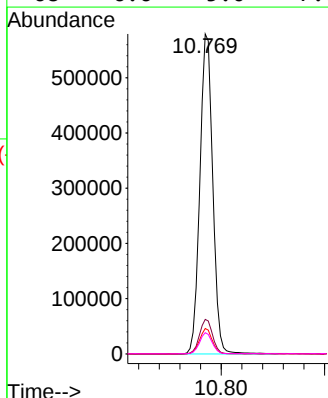
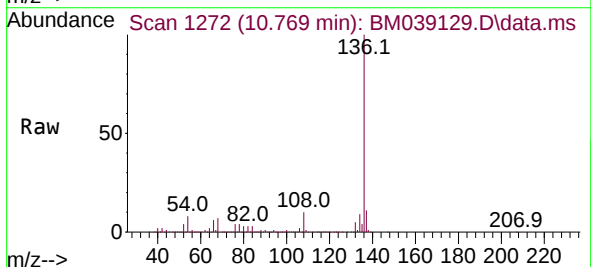
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Supervised By :Jagrut
Upadhyay

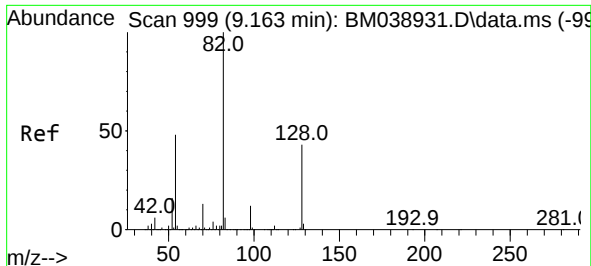
03/24/2023



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.769 min Scan# 1272
Delta R.T. -0.012 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

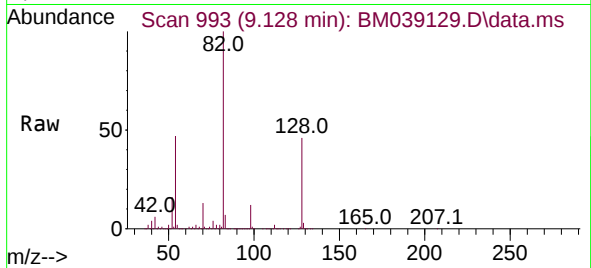
Tgt Ion:136 Resp: 1001436
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.0 6.3 9.5
68 6.6 5.0 7.6





#23
Nitrobenzene-d5
Concen: 49.130 ng
RT: 9.128 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

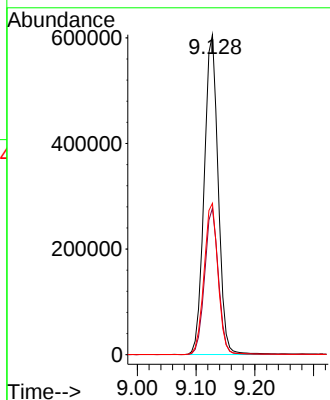
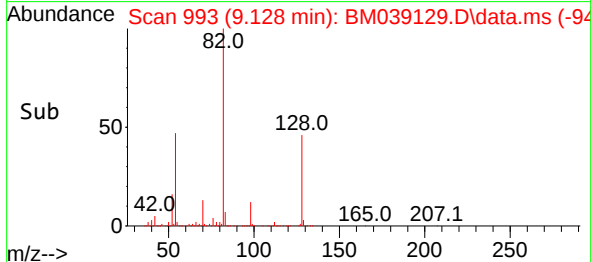
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion: 82 Resp: 1001614
Ion Ratio Lower Upper
82 100
128 45.7 34.4 51.6
54 47.3 38.8 58.2

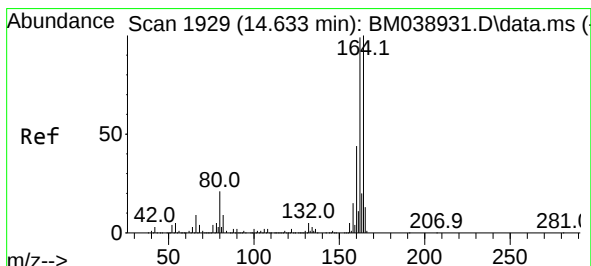
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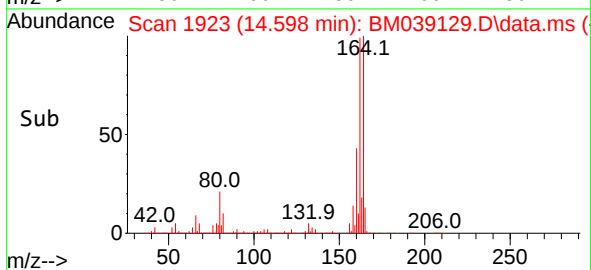
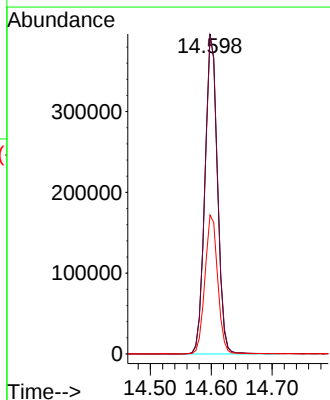
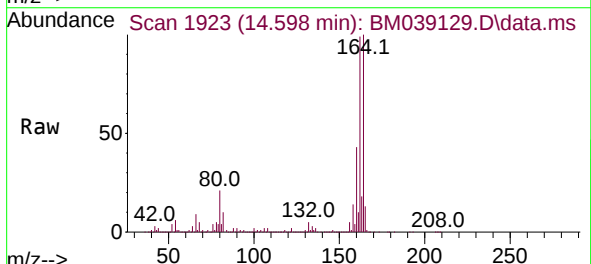
03/24/2023
Supervised By :Jagrut
Upadhyay

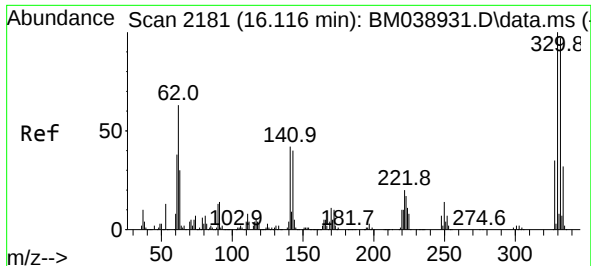
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1923
Delta R.T. -0.012 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

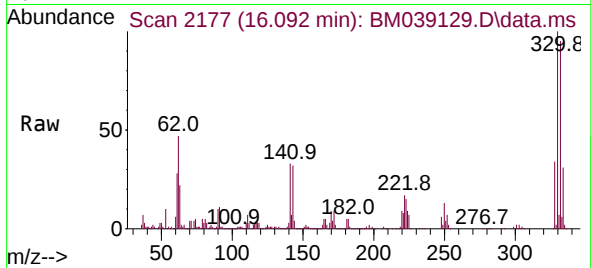
Tgt Ion:164 Resp: 563148
Ion Ratio Lower Upper
164 100
162 99.2 79.2 118.8
160 43.4 35.5 53.3





#42
2,4,6-Tribromophenol
Concen: 80.410 ng
RT: 16.092 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

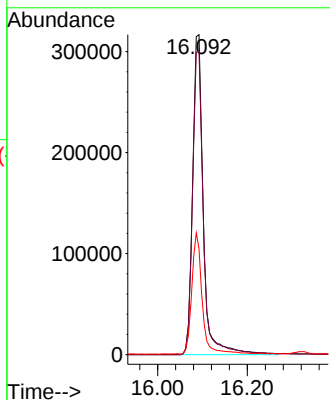
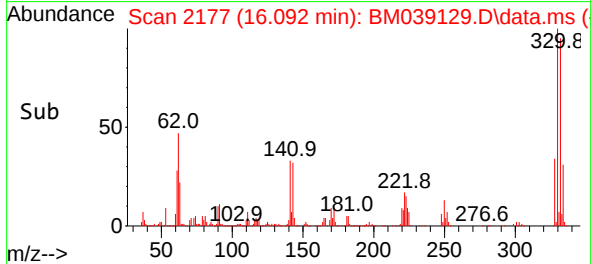
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion:330 Resp: 52385
Ion Ratio Lower Upper
330 100
332 96.7 77.4 116.0
141 36.6 32.2 48.4

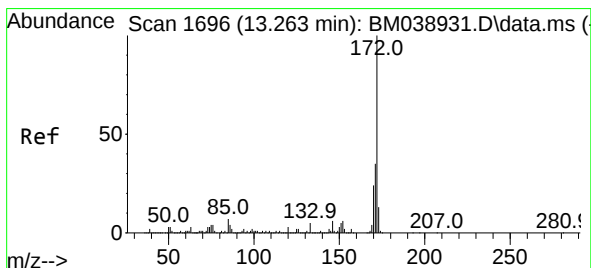
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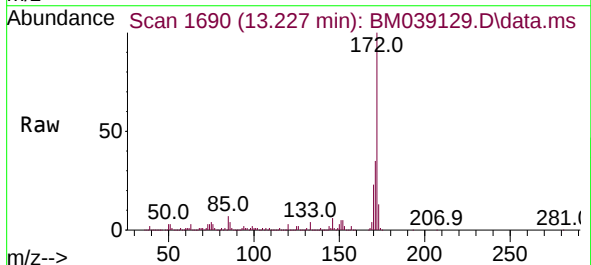


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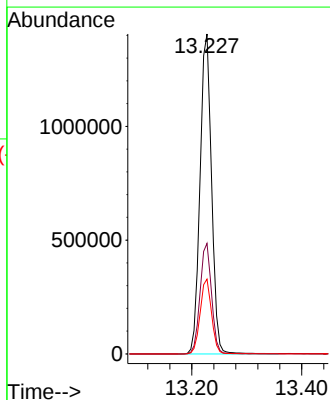
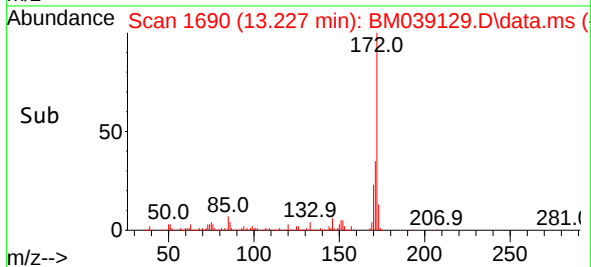
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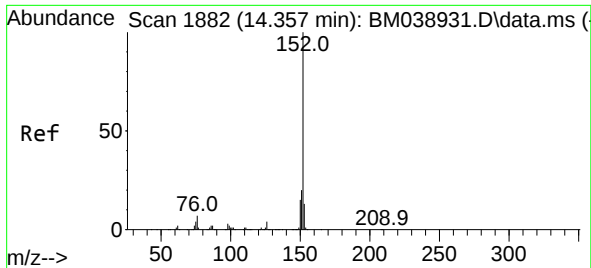


#45
2-Fluorobiphenyl
Concen: 47.154 ng
RT: 13.227 min Scan# 1690
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14



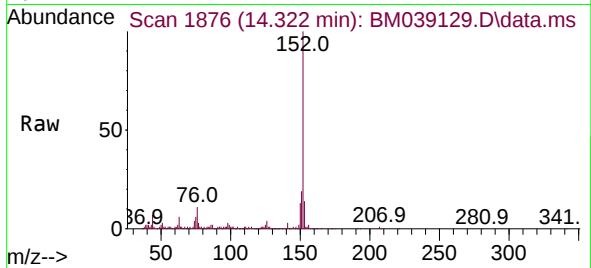
Tgt Ion:172 Resp: 2039828
Ion Ratio Lower Upper
172 100
171 34.5 28.2 42.2
170 23.4 19.1 28.7





#49
Acenaphthylene
Concen: 2.293 ng
RT: 14.322 min Scan# 1882
Delta R.T. -0.012 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

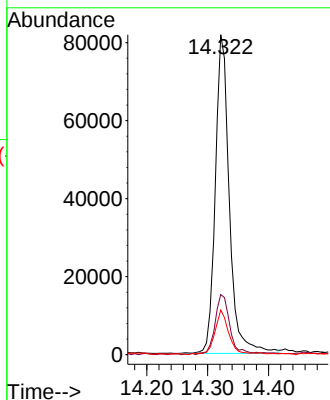
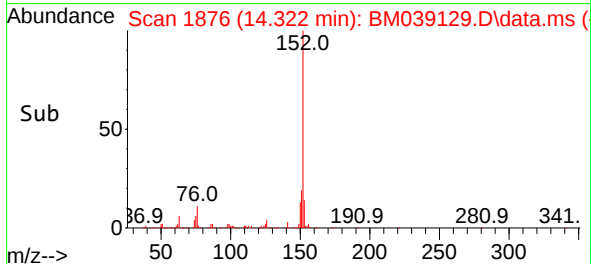
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion:152 Resp: 131426
Ion Ratio Lower Upper
152 100
151 18.8 15.8 23.8
153 13.9 10.4 15.6

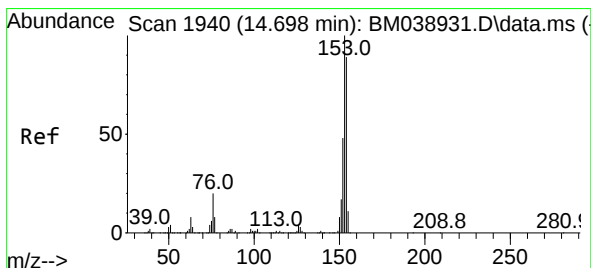
Manual Integrations
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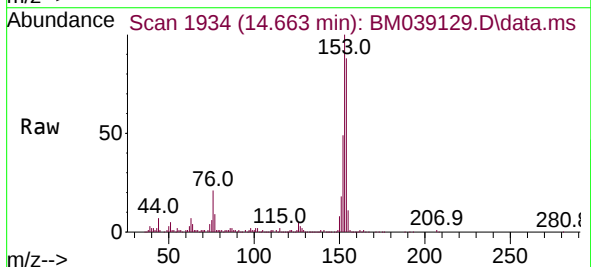


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Supervised By :Jagrut
Upadhyay

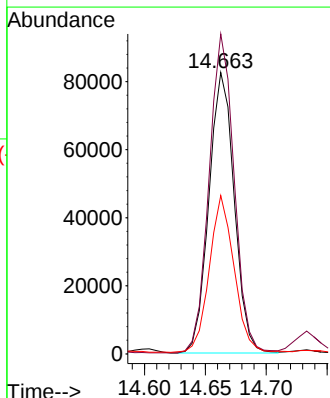
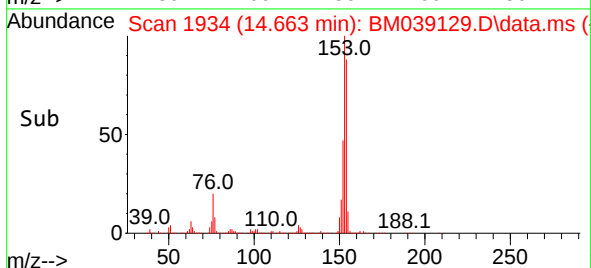
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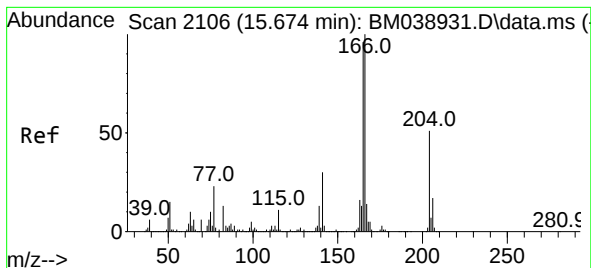


#52
Acenaphthene
Concen: 3.395 ng
RT: 14.663 min Scan# 1934
Delta R.T. -0.012 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14



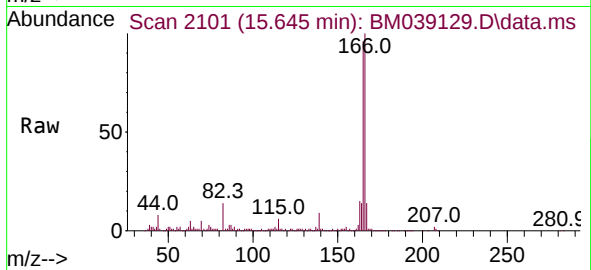
Tgt Ion:154 Resp: 119551
Ion Ratio Lower Upper
154 100
153 113.7 90.2 135.2
152 56.3 43.4 65.2





#58
Fluorene
Concen: 3.198 ng
RT: 15.645 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

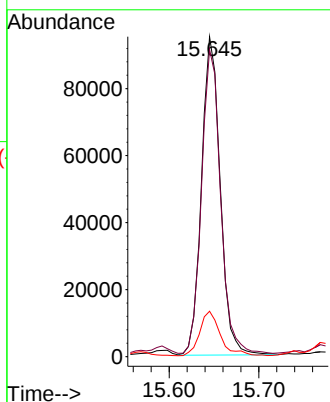
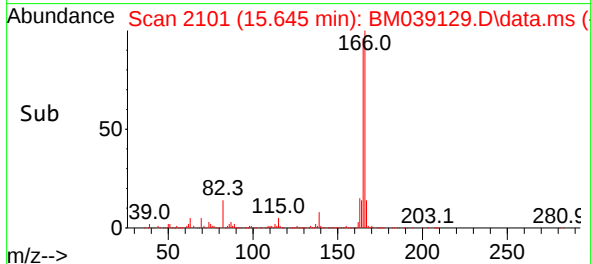
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion:166 Resp: 138048
Ion Ratio Lower Upper
166 100
165 96.0 77.1 115.7
167 14.2 10.9 16.3

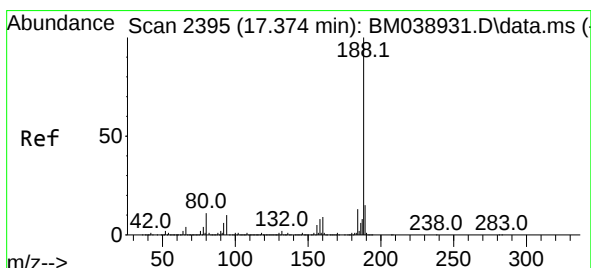
Manual Integrations
APPROVED

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Giraldo



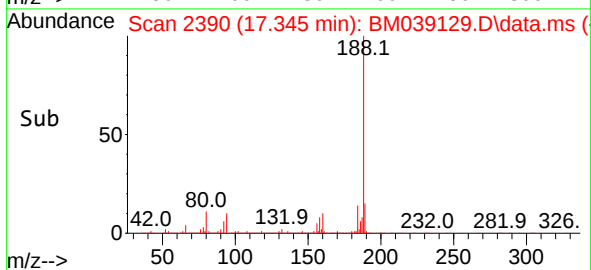
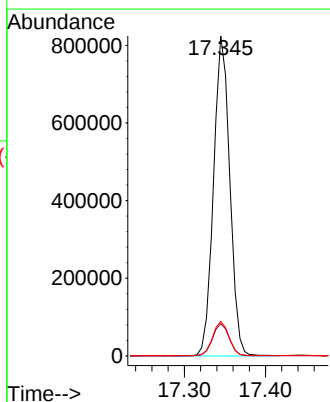
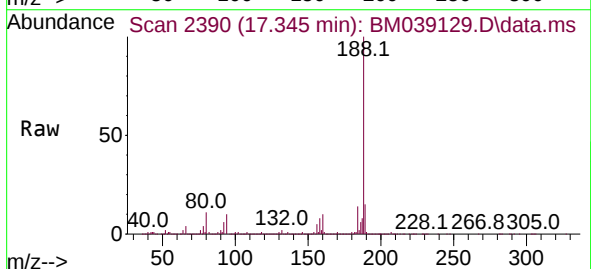
03/24/2023
Supervised By :Jagrut
Upadhyay

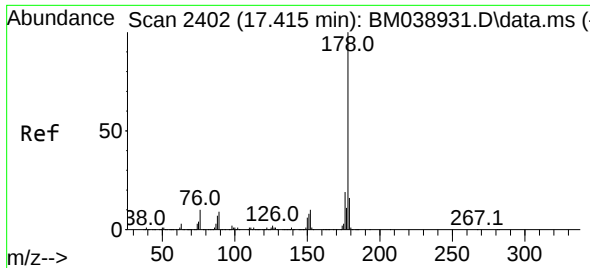
03/24/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.345 min Scan# 2390
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

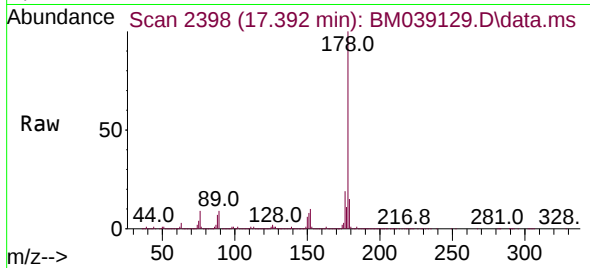
Tgt Ion:188 Resp: 1146198
Ion Ratio Lower Upper
188 100
94 10.1 7.9 11.9
80 10.8 8.5 12.7





#71
Phenanthrene
Concen: 28.237 ng
RT: 17.392 min Scan# 2402
Delta R.T. 0.000 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

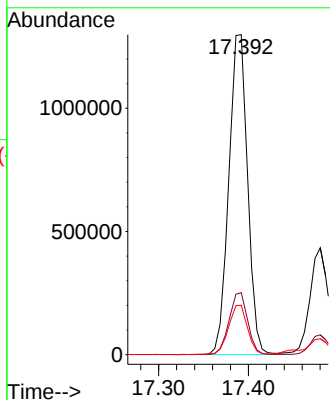
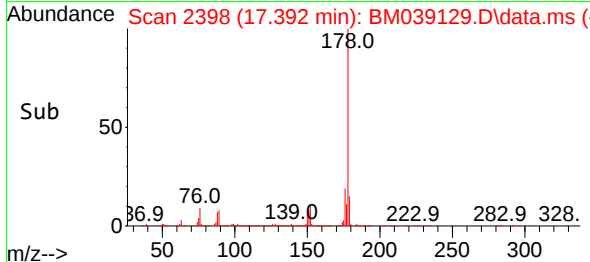
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion:178 Resp: 1899530
Ion Ratio Lower Upper
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176 19.4 15.6 23.4
179 15.4 12.5 18.7

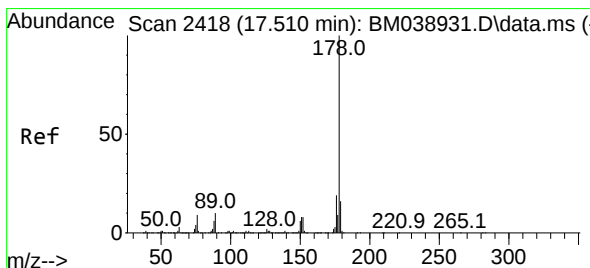
Manual Integrations
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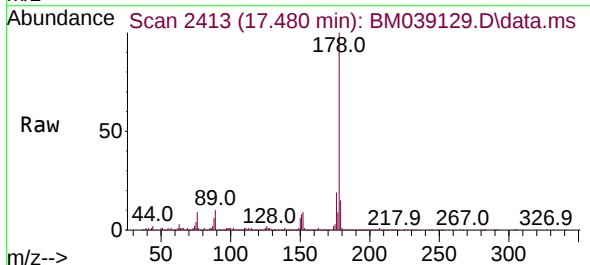


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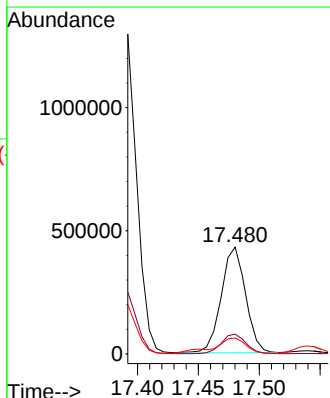
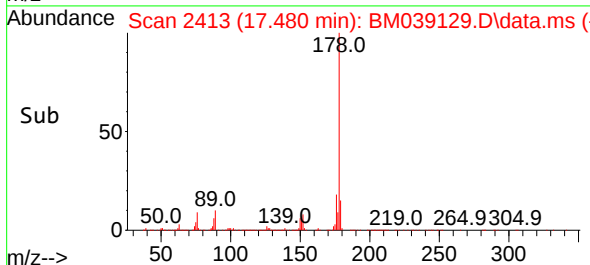
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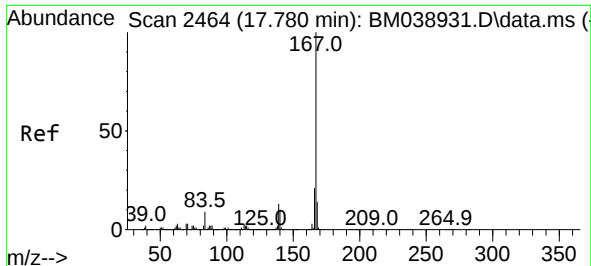


#72
Anthracene
Concen: 8.935 ng
RT: 17.480 min Scan# 2413
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14



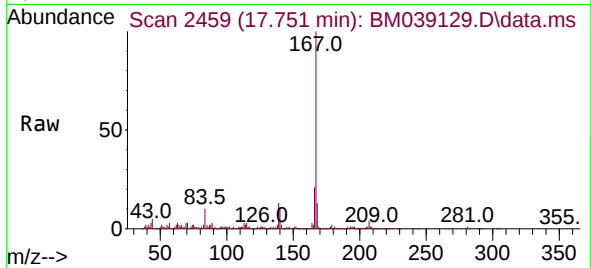
Tgt Ion:178 Resp: 599423
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 14.9 12.5 18.7





#73
 Carbazole
 Concen: 4.705 ng
 RT: 17.751 min Scan# 2464
 Delta R.T. -0.006 min
 Lab File: BM039129.D
 Acq: 23 Mar 2023 23:14

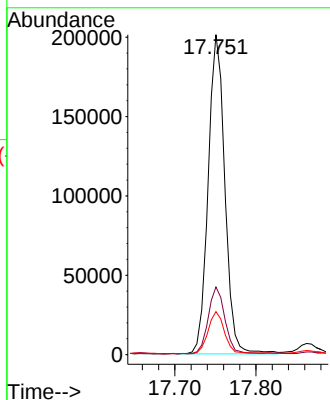
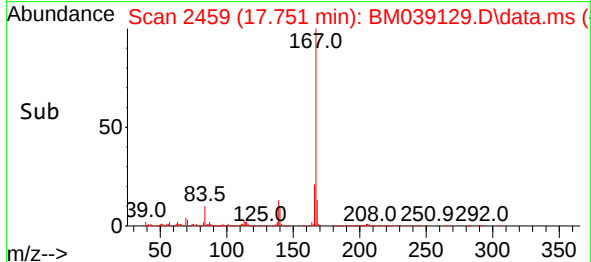
Instrument :
 BNA_M
 ClientSampleId :
 BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion:167 Resp: 288070
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.4
 139 13.4 10.3 15.5

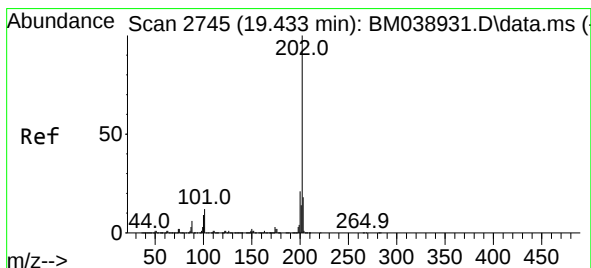
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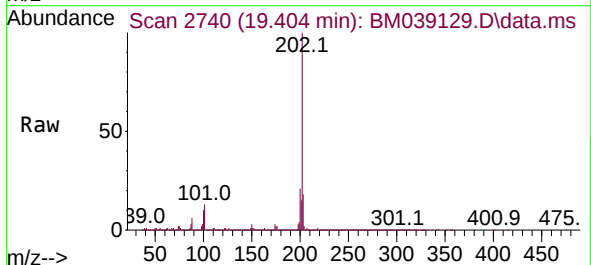


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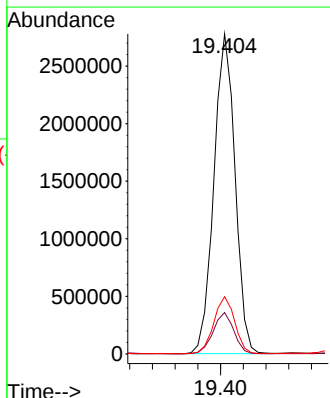
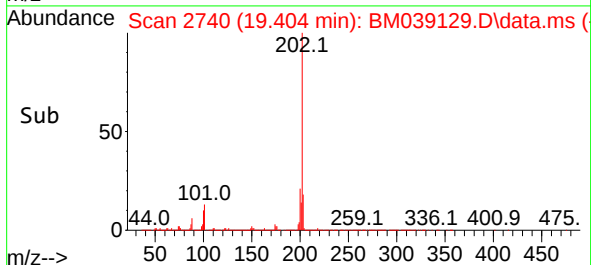
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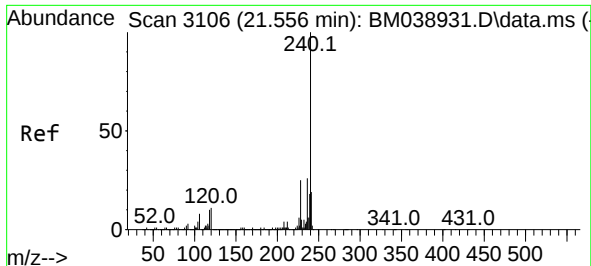


#75
 Fluoranthene
 Concen: 50.558 ng
 RT: 19.404 min Scan# 2740
 Delta R.T. -0.006 min
 Lab File: BM039129.D
 Acq: 23 Mar 2023 23:14



Tgt Ion:202 Resp: 3591055
 Ion Ratio Lower Upper
 202 100
 101 12.9 0.0 31.7
 203 17.9 0.0 37.6





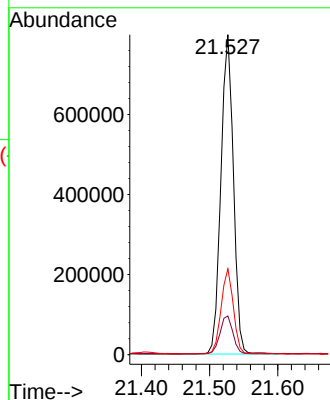
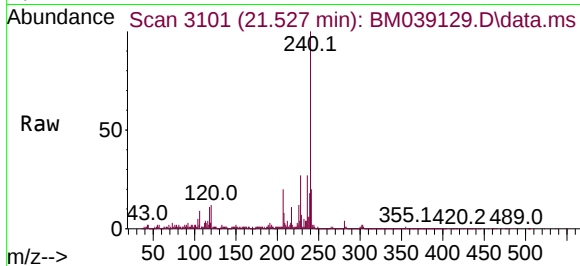
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.527 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1

Tgt Ion:240 Resp: 101147
Ion Ratio Lower Upper
240 100
120 12.1 9.2 13.8
236 26.8 20.8 31.2

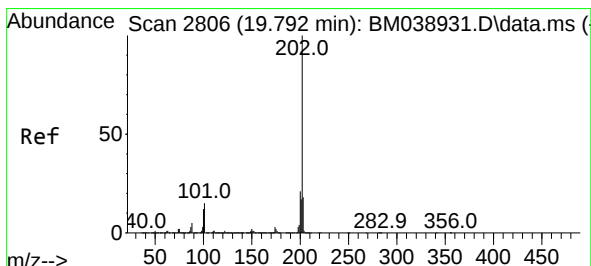
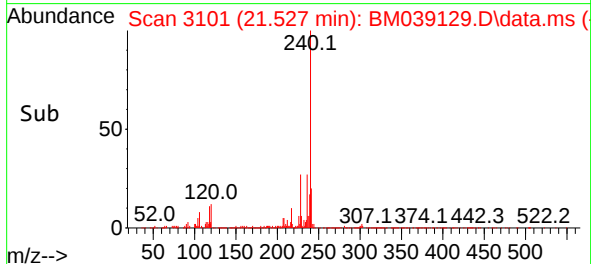
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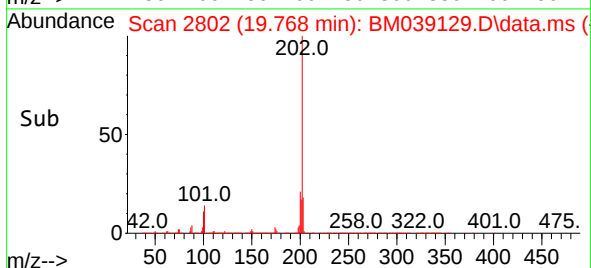
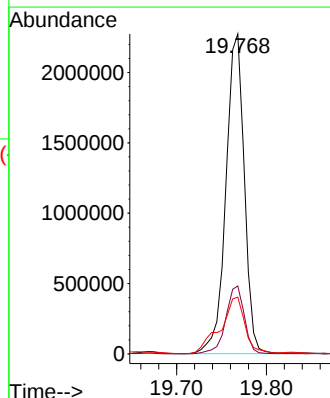
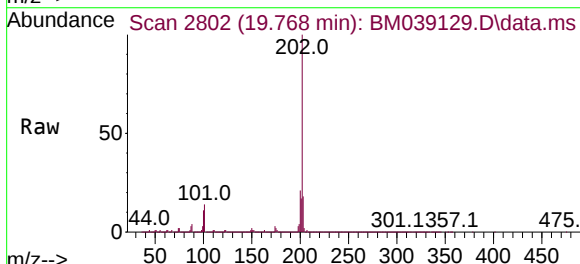
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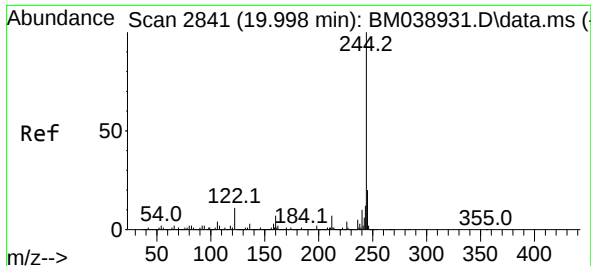
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#78
Pyrene
Concen: 42.818 ng
RT: 19.768 min Scan# 2802
Delta R.T. 0.000 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

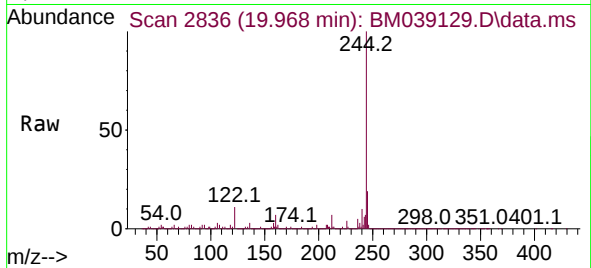
Tgt Ion:202 Resp: 3252925
Ion Ratio Lower Upper
202 100
200 21.2 17.1 25.7
203 17.7 14.1 21.1





#79
 Terphenyl-d14
 Concen: 50.894 ng
 RT: 19.968 min Scan# 2841
 Delta R.T. 0.000 min
 Lab File: BM039129.D
 Acq: 23 Mar 2023 23:14

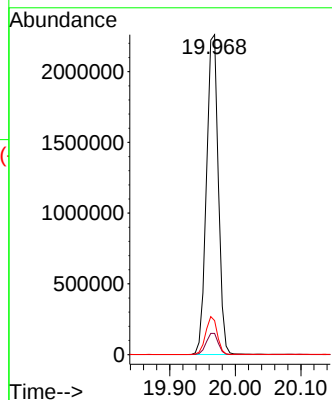
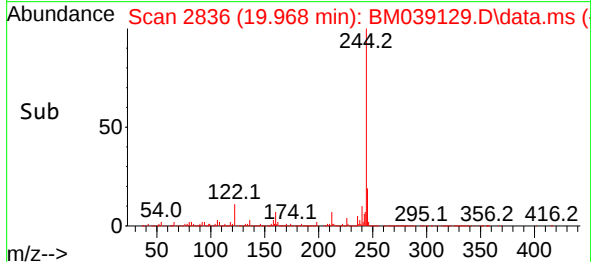
Instrument :
 BNA_M
 ClientSampleId :
 BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion:244 Resp: 2815585
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 10.6 9.0 13.4

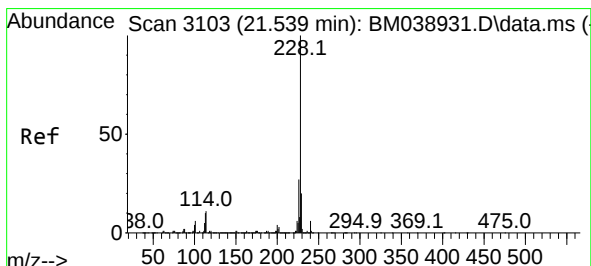
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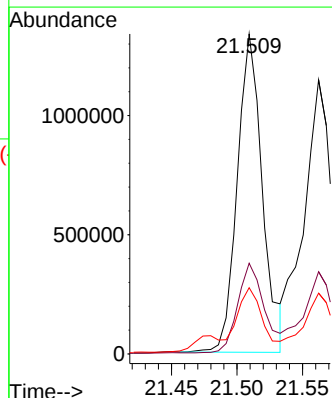
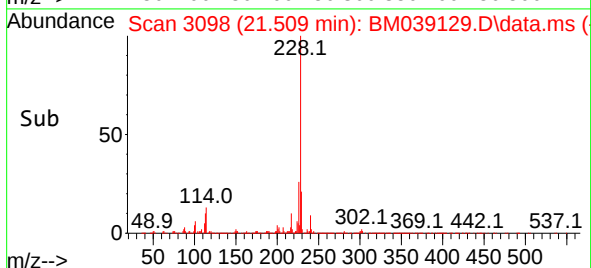
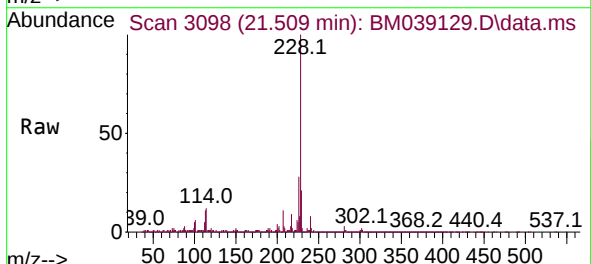
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 Upadhyay

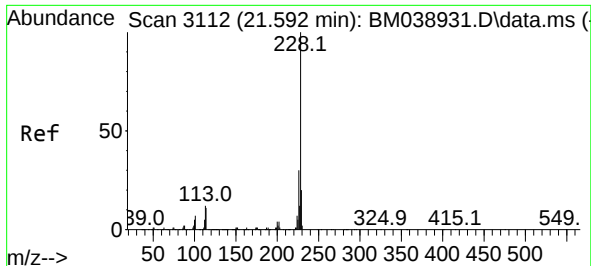
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#81
 Benzo(a)anthracene
 Concen: 24.403 ng
 RT: 21.509 min Scan# 3098
 Delta R.T. -0.006 min
 Lab File: BM039129.D
 Acq: 23 Mar 2023 23:14

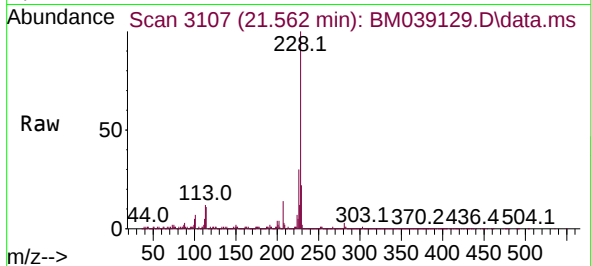
Tgt Ion:228 Resp: 1777522
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.4 32.2
 229 20.7 15.7 23.5





#83
Chrysene
Concen: 23.735 ng
RT: 21.562 min Scan# 3112
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

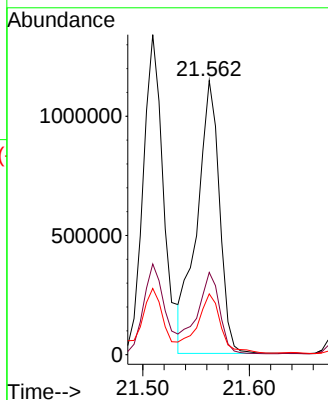
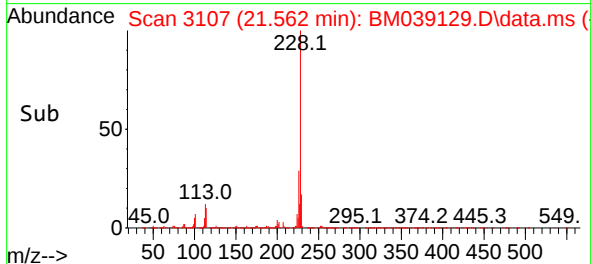
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion:228 Resp: 1681470
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 22.2 16.0 24.0

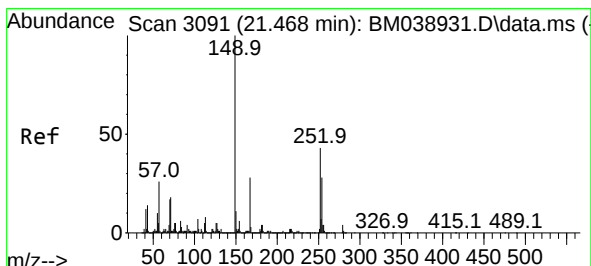
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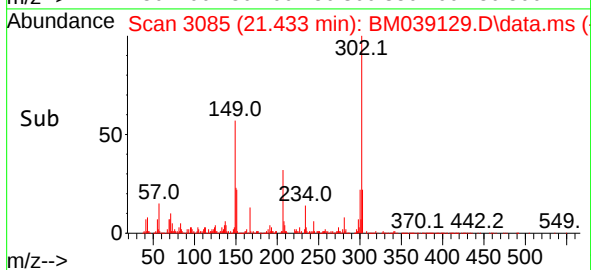
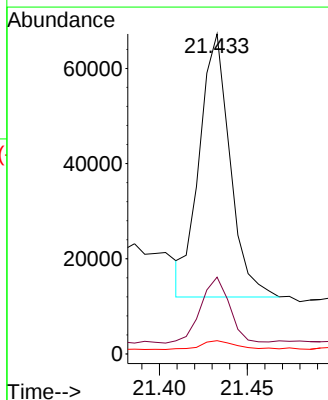
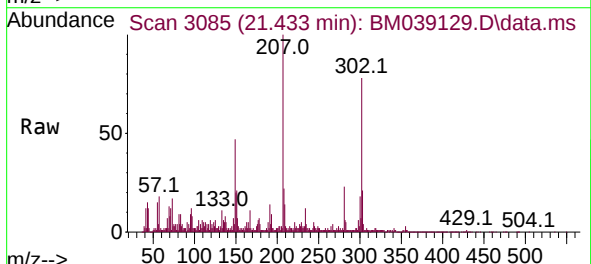
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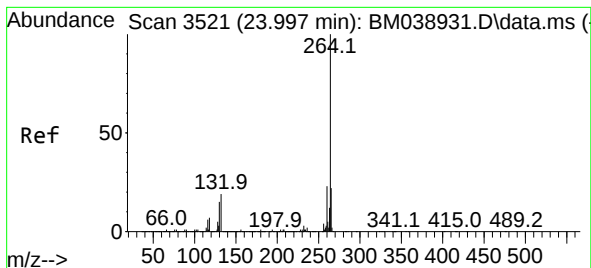
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.851 ng m
RT: 21.433 min Scan# 3085
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

Tgt Ion:149 Resp: 67290
Ion Ratio Lower Upper
149 100
167 24.0 22.3 33.5
279 4.1 3.2 4.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.956 min Scan# 3

Delta R.T. -0.006 min

Lab File: BM039129.D

Acq: 23 Mar 2023 23:14

Instrument :

BNA_M

ClientSampleId :

BROAD-CHANNEL-SUBSTATION-TP1

Tgt Ion:264 Resp: 1162018

Ion Ratio Lower Upper

264 100

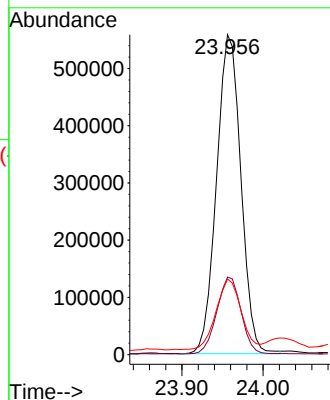
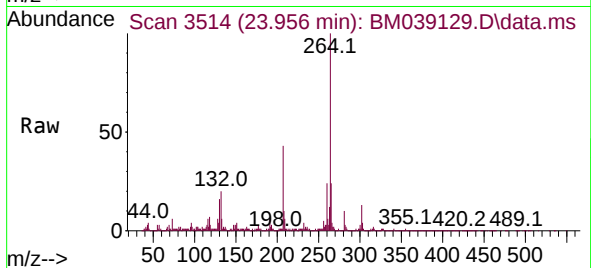
260 24.2 18.7 28.1

265 23.6 17.9 26.9

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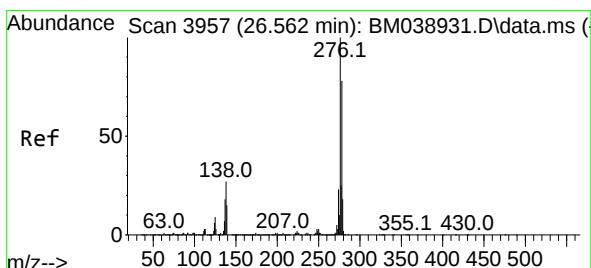
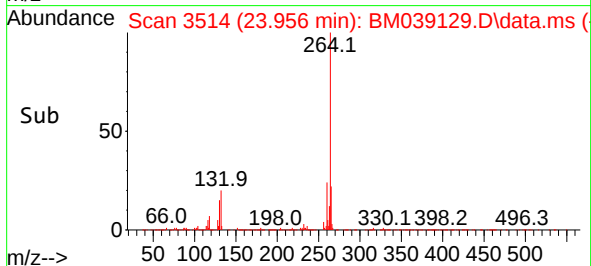
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#87

Indeno(1,2,3-cd)pyrene

Concen: 14.509 ng

RT: 26.485 min Scan# 3944

Delta R.T. -0.012 min

Lab File: BM039129.D

Acq: 23 Mar 2023 23:14

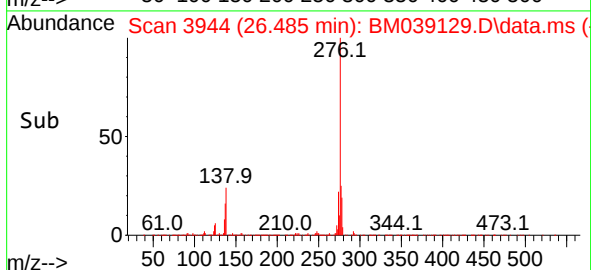
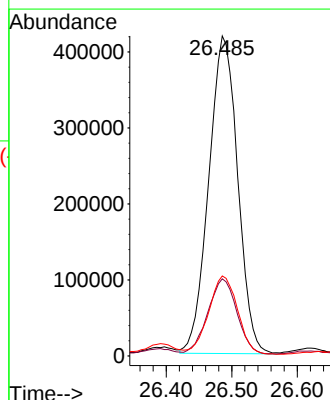
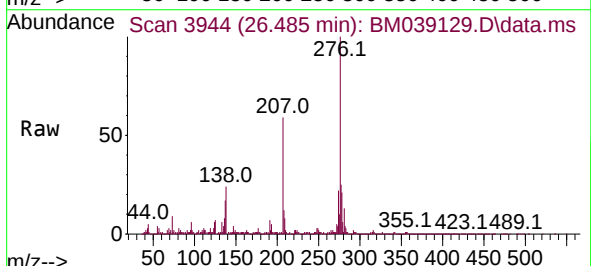
Tgt Ion:276 Resp: 1282874

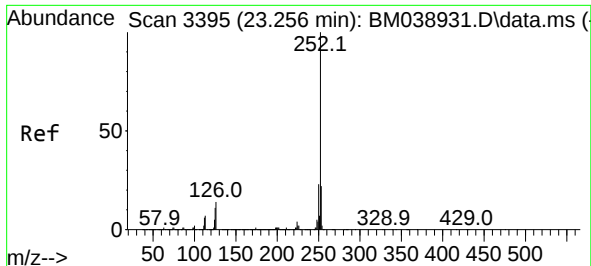
Ion Ratio Lower Upper

276 100

138 23.7 22.1 33.1

277 24.6 20.1 30.1





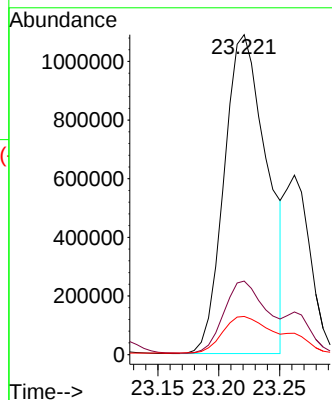
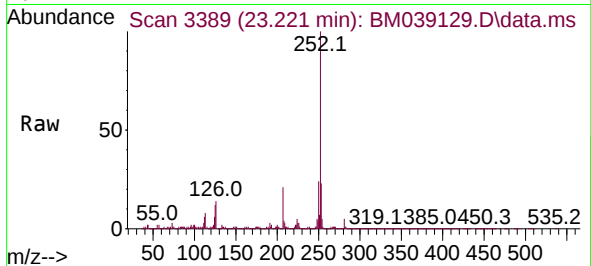
#88
Benzo(b)fluoranthene
Concen: 35.996 ng
RT: 23.221 min Scan# 3389
Delta R.T. 0.000 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1

Tgt Ion:252 Resp: 267225
Ion Ratio Lower Upper
252 100
253 23.0 17.6 26.4
125 12.0 8.8 13.2

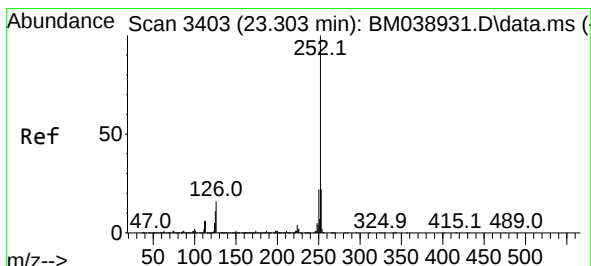
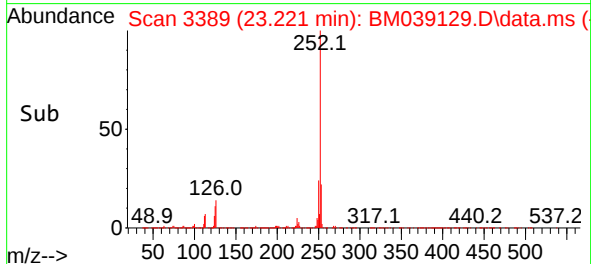
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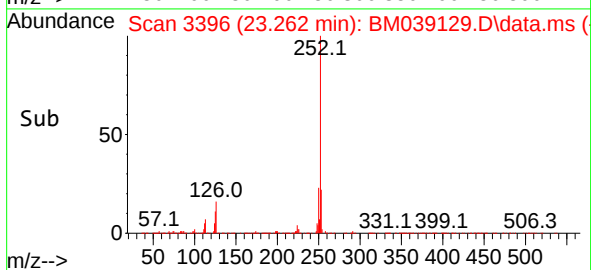
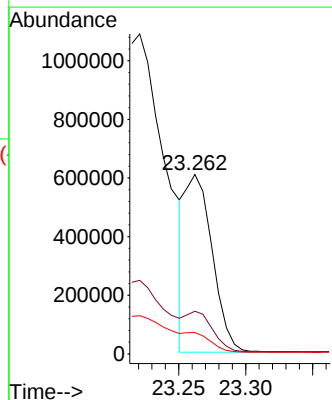
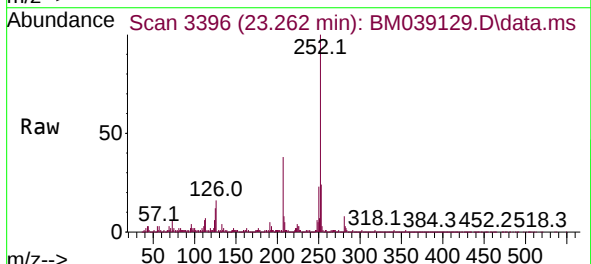
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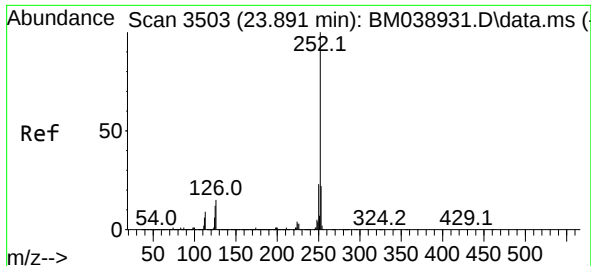
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#89
Benzo(k)fluoranthene
Concen: 11.077 ng m
RT: 23.262 min Scan# 3396
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

Tgt Ion:252 Resp: 855829
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 11.9 8.9 13.3





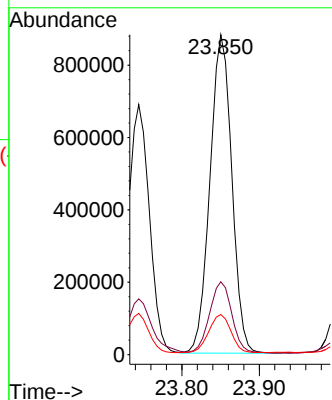
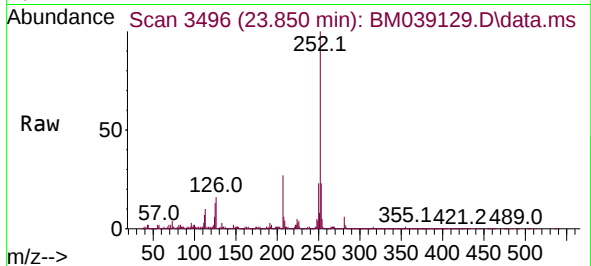
#90
Benzo(a)pyrene
Concen: 24.178 ng
RT: 23.850 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

Instrument : BNA_M
ClientSampleId : BROAD-CHANNEL-SUBSTATION-TP1

Tgt Ion:252 Resp: 172744
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 12.5 9.8 14.8

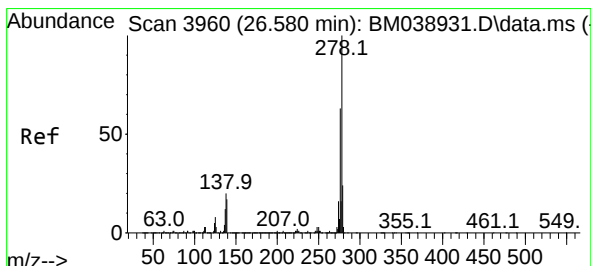
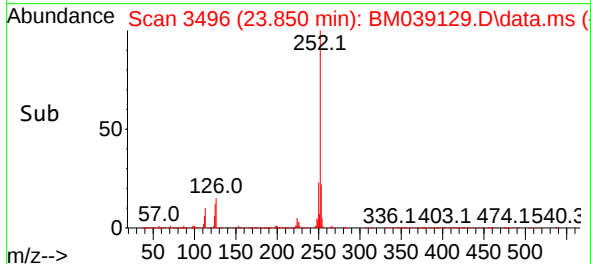
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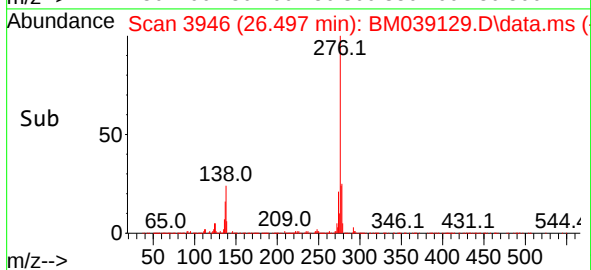
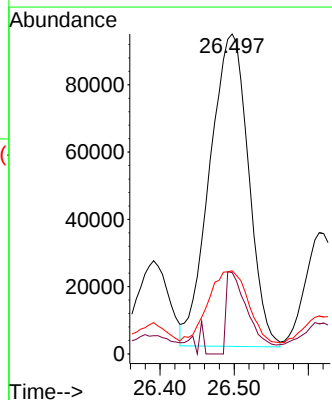
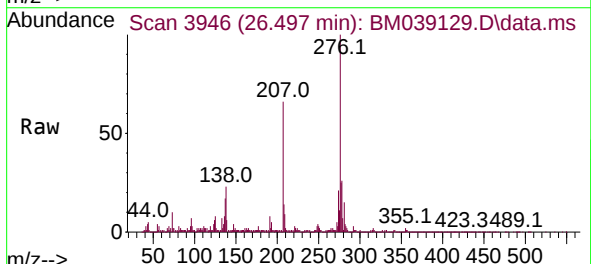
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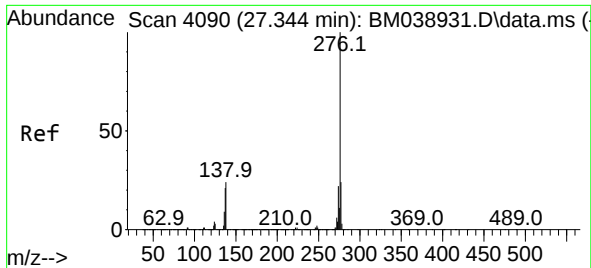
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#91
Dibenzo(a,h)anthracene
Concen: 4.505 ng
RT: 26.497 min Scan# 3946
Delta R.T. -0.012 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

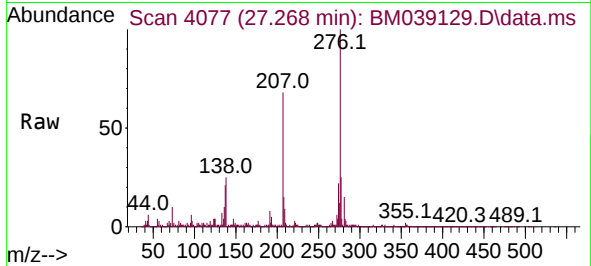
Tgt Ion:278 Resp: 337314
Ion Ratio Lower Upper
278 100
139 25.4 13.7 20.5#
279 26.0 18.9 28.3





#92
Benzo(g,h,i)perylene
Concen: 17.152 ng
RT: 27.268 min Scan# 4090
Delta R.T. -0.006 min
Lab File: BM039129.D
Acq: 23 Mar 2023 23:14

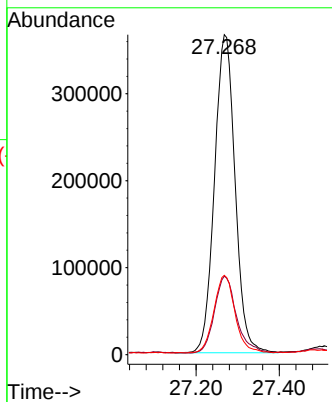
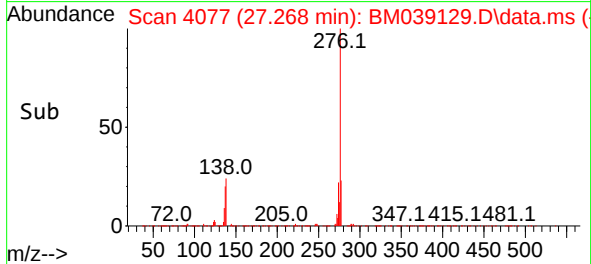
Instrument :
BNA_M
ClientSampleId :
BROAD-CHANNEL-SUBSTATION-TP1



Tgt Ion: 276 Resp: 125657
Ion Ratio Lower Upper
276 100
277 24.5 19.3 28.9
138 24.8 19.0 28.6

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