

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032823\
 Data File : BM039192.D
 Acq On : 28 Mar 2023 22:49
 Operator : CG/JU
 Sample : 02108-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/29/2023
 Supervised By : Jagrut Upadhyay 03/29/2023

Quant Time: Mar 29 01:33:27 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 29 01:28:31 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	286052	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1086279	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	558535	20.000	ng	0.00
64) Phenanthrene-d10	17.321	188	1073827	20.000	ng	0.00
76) Chrysene-d12	21.509	240	989057	20.000	ng	0.00
86) Perylene-d12	23.927	264	1114587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	1795946	95.387	ng	0.00
7) Phenol-d6	7.104	99	2251270	92.055	ng	0.00
23) Nitrobenzene-d5	9.104	82	1373951	62.129	ng	0.00
42) 2,4,6-Tribromophenol	16.068	330	593648	91.877	ng	0.00
45) 2-Fluorobiphenyl	13.204	172	2603906	60.690	ng	0.00
79) Terphenyl-d14	19.945	244	3166545	58.536	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	14.304	152	226472	3.985	ng	98
71) Phenanthrene	17.368	178	1088115	17.265	ng	99
72) Anthracene	17.456	178	428369	6.816	ng	99
75) Fluoranthene	19.380	202	1803436	27.102	ng	98
78) Pyrene	19.745	202	1857567	25.006	ng	99
81) Benzo(a)anthracene	21.492	228	1546004	21.705	ng	97
83) Chrysene	21.544	228	2387468	34.464	ng	99
84) Bis(2-ethylhexyl)phtha...	21.415	149	82500	4.198	ng	# 99
87) Indeno(1,2,3-cd)pyrene	26.450	276	2093734	24.687	ng	96
88) Benzo(b)fluoranthene	23.197	252	4626149	64.967	ng	99
89) Benzo(k)fluoranthene	23.238	252	1208566m	16.309	ng	
90) Benzo(a)pyrene	23.821	252	2270217	33.127	ng	99
91) Dibenzo(a,h)anthracene	26.450	278	645085	8.981	ng	# 93
92) Benzo(g,h,i)perylene	27.226	276	2075879	29.541	ng	100

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

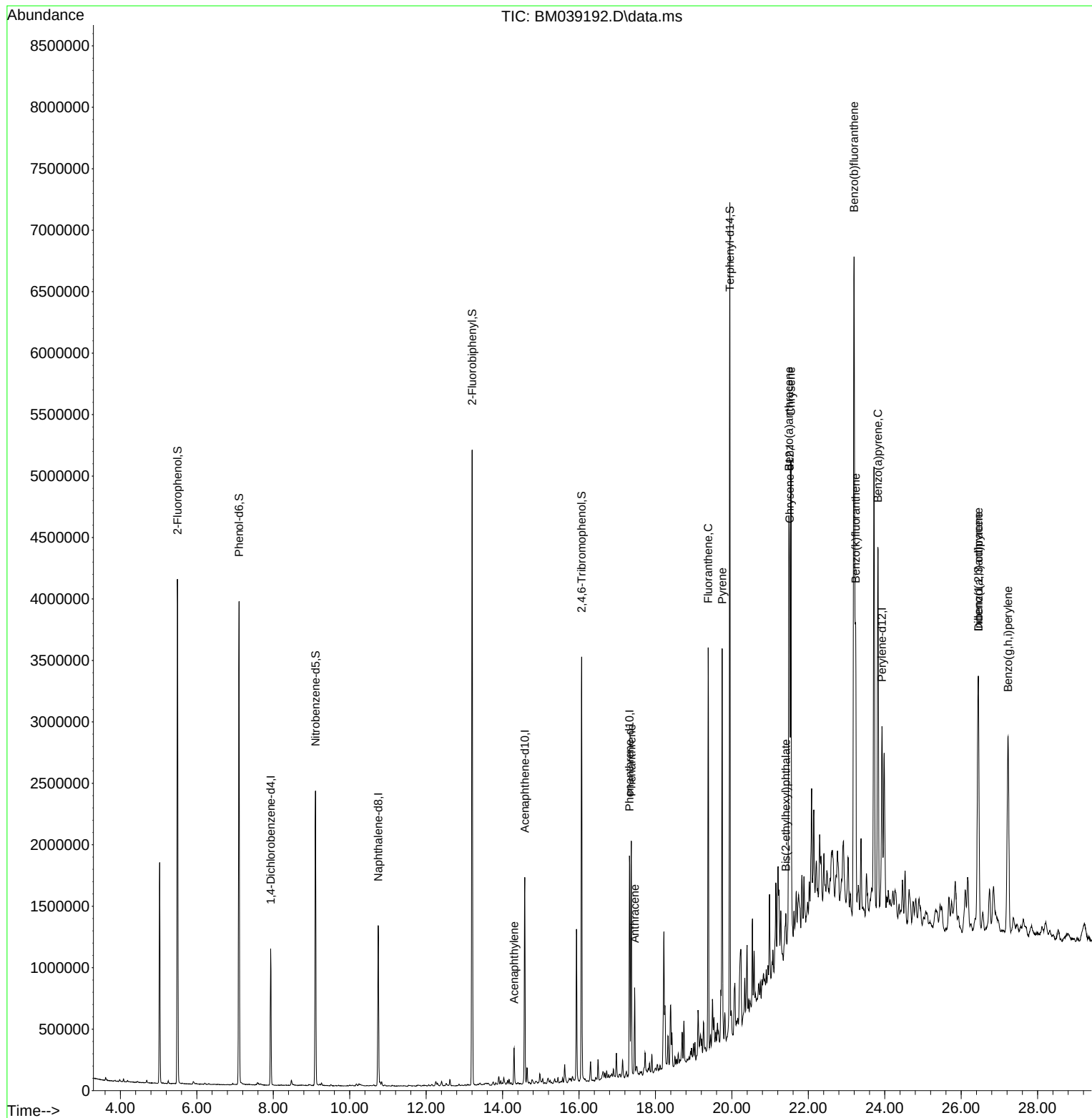
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Data File : BM039192.D
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ALS Vial : 14 Sample Multiplier: 1

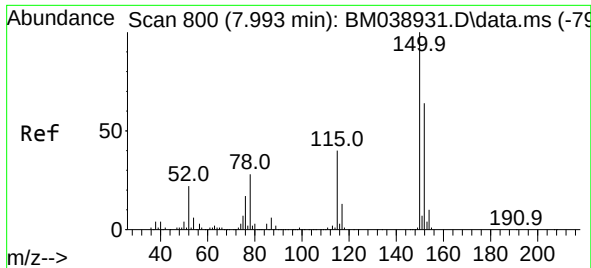
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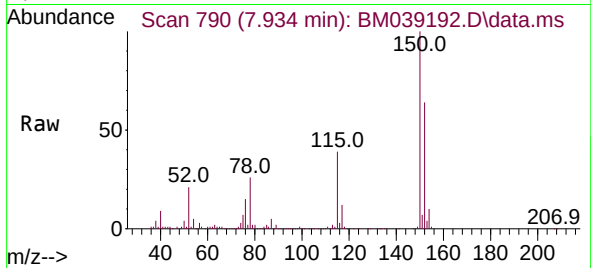
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 79
Delta R.T. -0.005 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

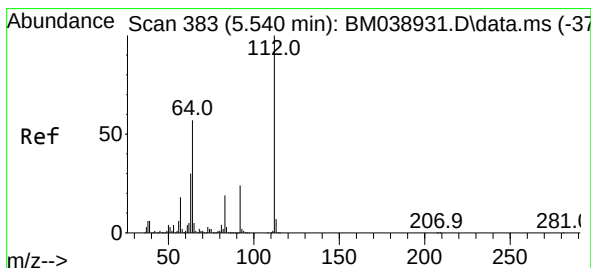
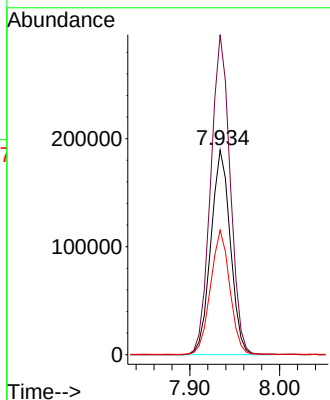
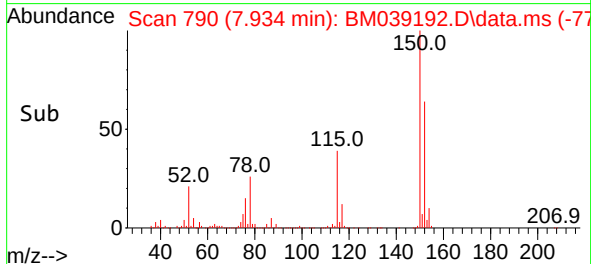
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BNA_M
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VNJ-235



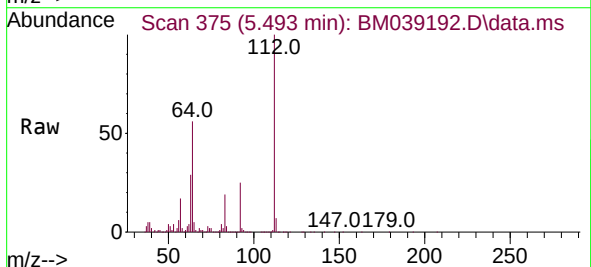
Tgt Ion:152 Resp: 286052
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 60.8 49.6 74.4

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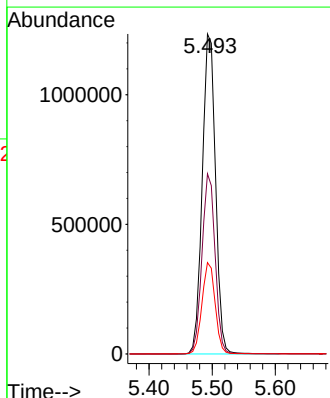
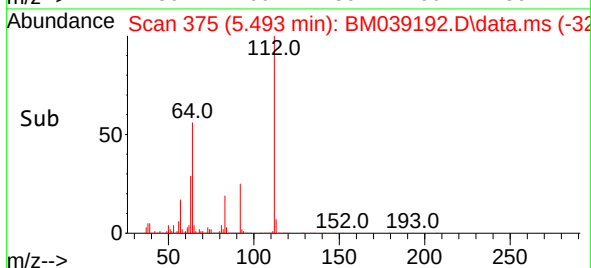
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Supervised By :Jagrut Upadhyay 03/29/2023

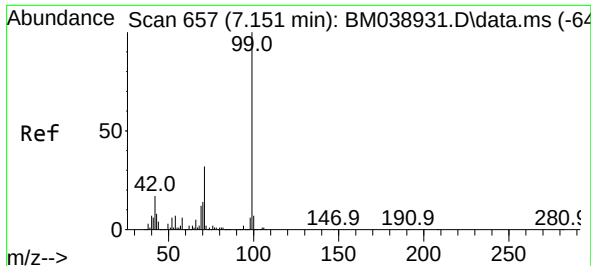


#5
2-Fluorophenol
Concen: 95.387 ng
RT: 5.493 min Scan# 375
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49



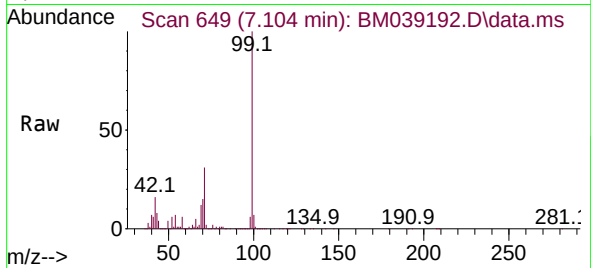
Tgt Ion:112 Resp: 1795946
Ion Ratio Lower Upper
112 100
64 56.3 45.9 68.9
63 28.5 23.8 35.8





#7
Phenol-d6
Concen: 92.055 ng
RT: 7.104 min Scan# 649
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

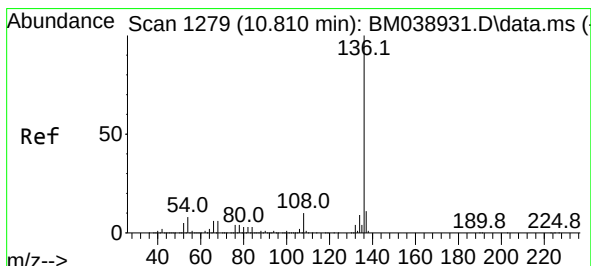
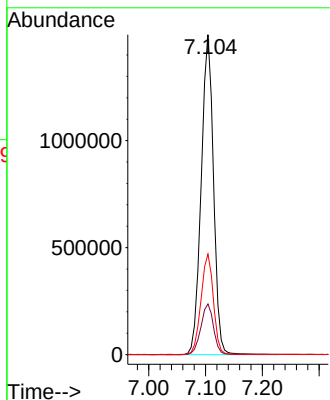
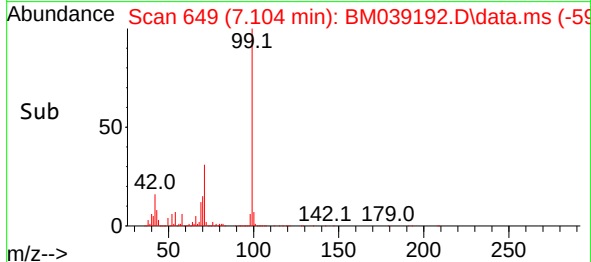
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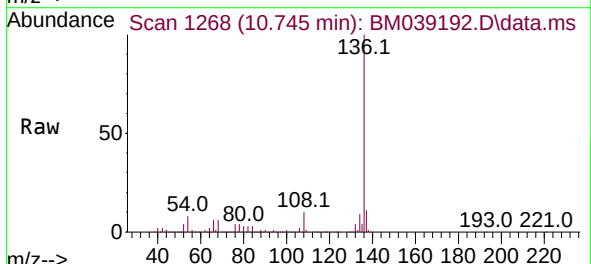
Tgt Ion: 99 Resp: 2251270
Ion Ratio Lower Upper
99 100
42 15.8 13.5 20.3
71 31.4 25.6 38.4

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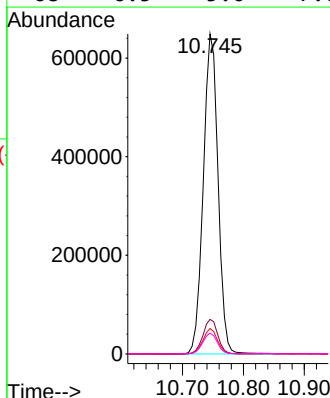
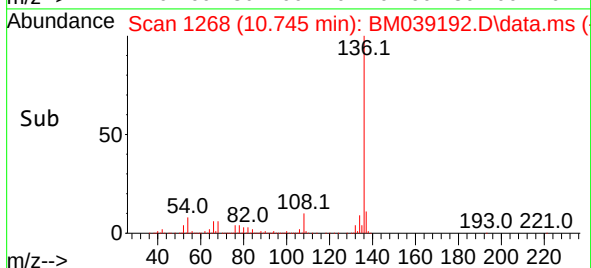
Reviewed By :Christian Giraldo 03/29/2023
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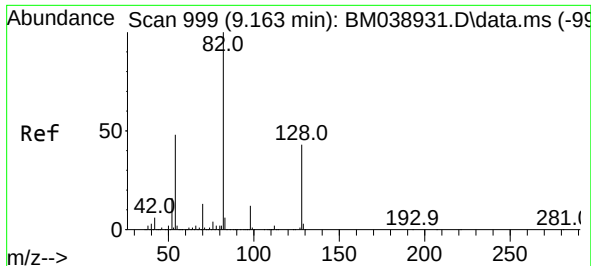


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 1268
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49



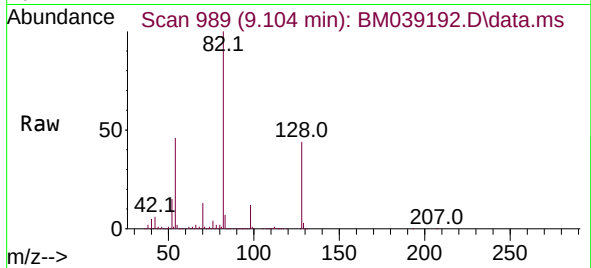
Tgt Ion:136 Resp: 1086279
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.9 6.3 9.5
68 6.5 5.0 7.6





#23
Nitrobenzene-d5
Concen: 62.129 ng
RT: 9.104 min Scan# 989
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

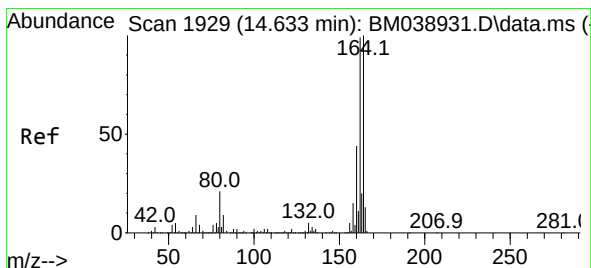
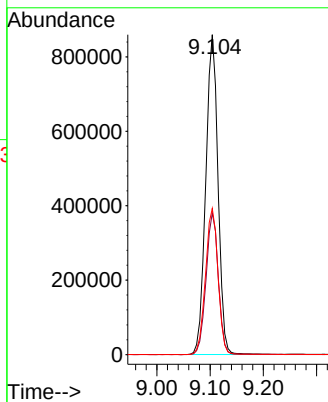
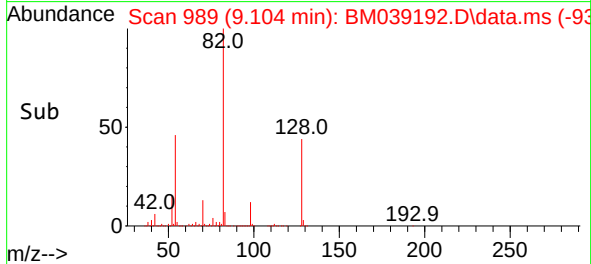
Instrument :
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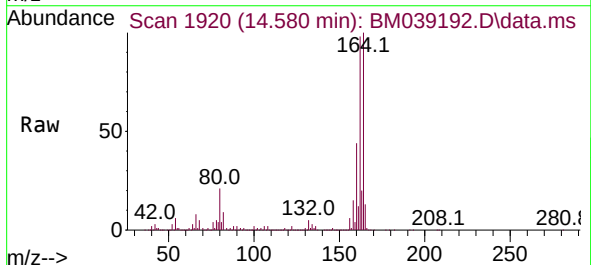
Tgt Ion: 82 Resp: 137395
Ion Ratio Lower Upper
82 100
128 44.3 34.4 51.6
54 45.7 38.8 58.2

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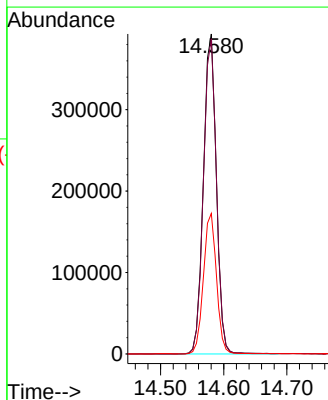
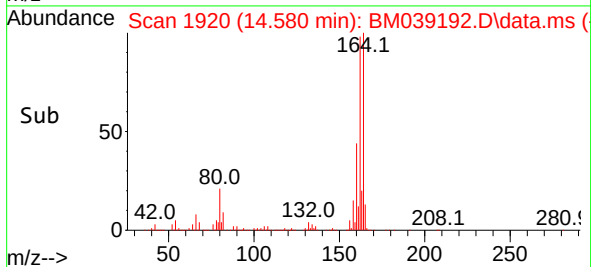
Reviewed By :Christian Giraldo 03/29/2023
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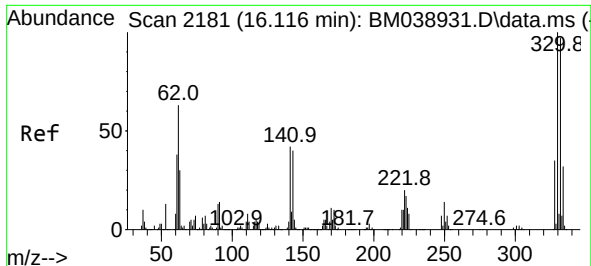


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49



Tgt Ion:164 Resp: 558535
Ion Ratio Lower Upper
164 100
162 98.5 79.2 118.8
160 43.9 35.5 53.3





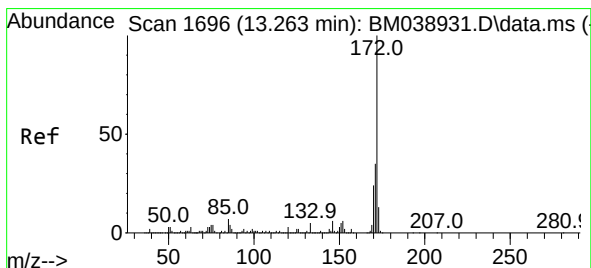
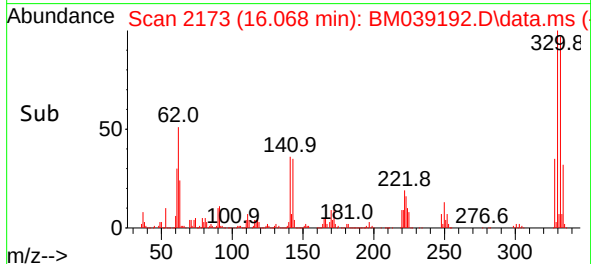
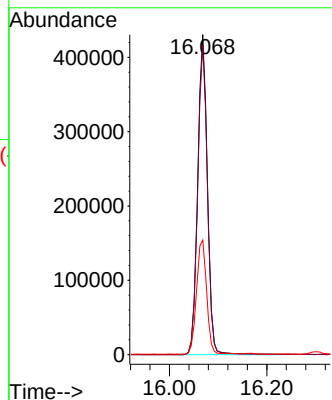
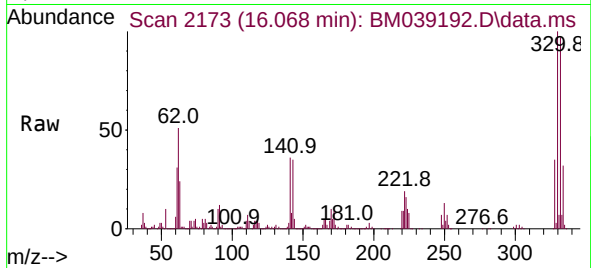
#42
2,4,6-Tribromophenol
Concen: 91.877 ng
RT: 16.068 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Tgt Ion:330 Resp: 593648
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.0
141 36.9 32.2 48.4

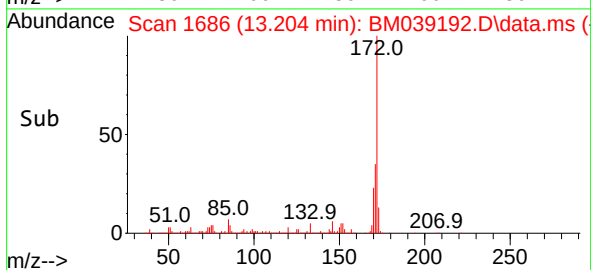
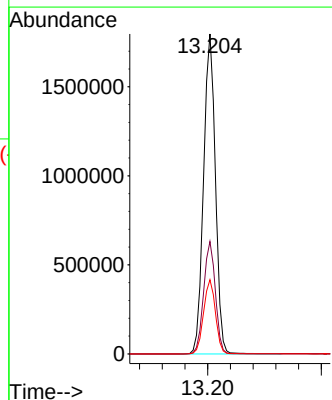
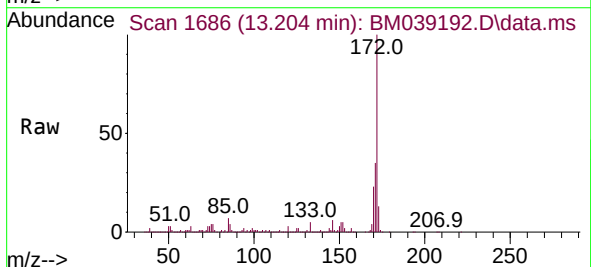
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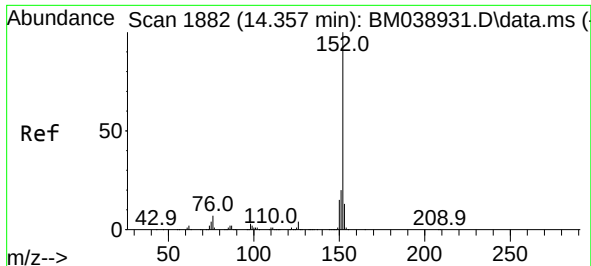
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#45
2-Fluorobiphenyl
Concen: 60.690 ng
RT: 13.204 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

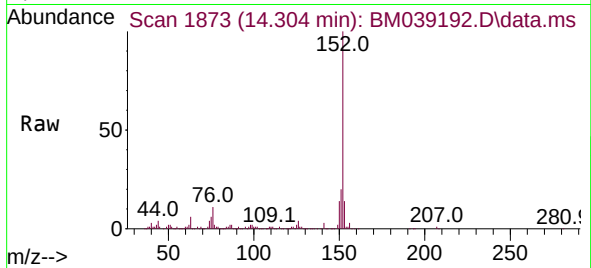
Tgt Ion:172 Resp: 2603906
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.2 19.1 28.7





#49
Acenaphthylene
Concen: 3.985 ng
RT: 14.304 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

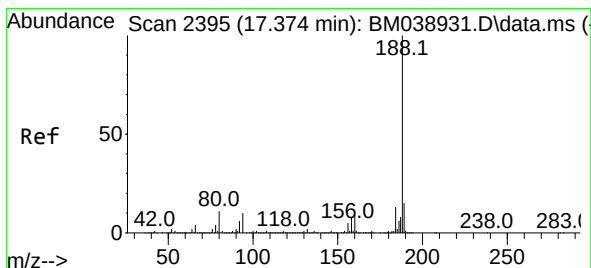
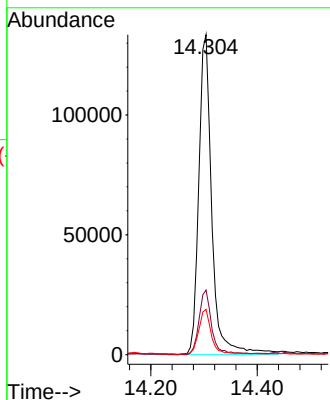
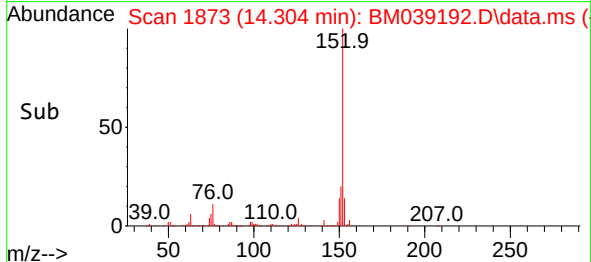
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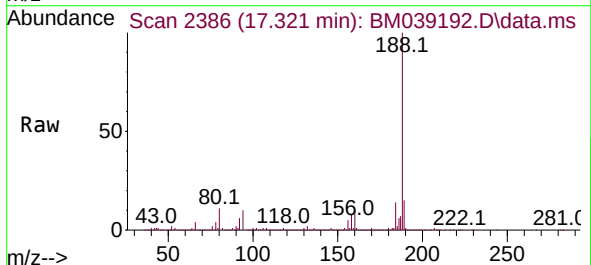
Tgt Ion:152 Resp: 226472
Ion Ratio Lower Upper
152 100
151 20.2 15.8 23.8
153 14.1 10.4 15.6

Manual Integrations
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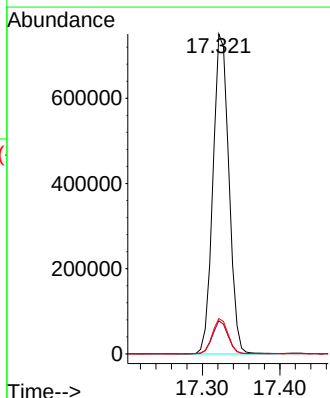
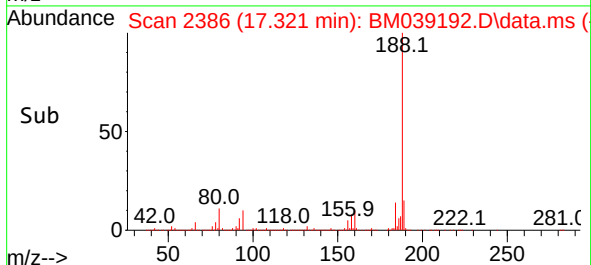
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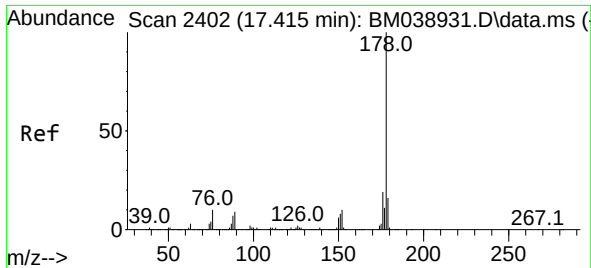


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.321 min Scan# 2386
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49



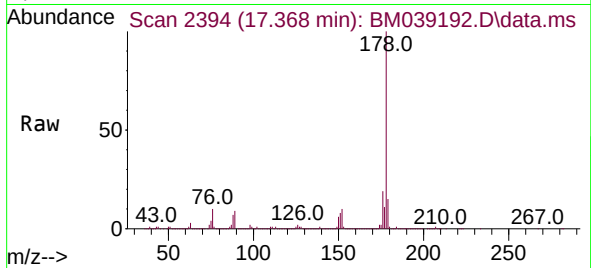
Tgt Ion:188 Resp: 1073827
Ion Ratio Lower Upper
188 100
94 10.4 7.9 11.9
80 11.0 8.5 12.7





#71
Phenanthrene
Concen: 17.265 ng
RT: 17.368 min Scan# 2394
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

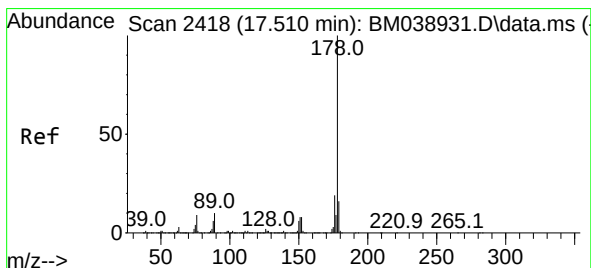
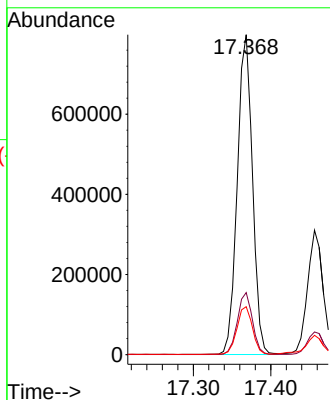
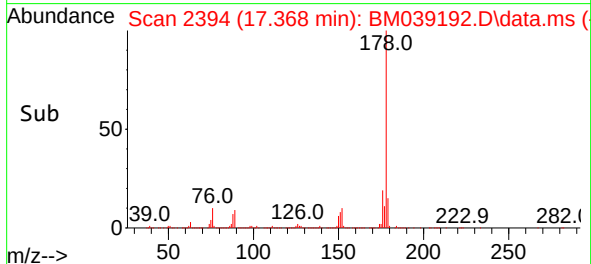
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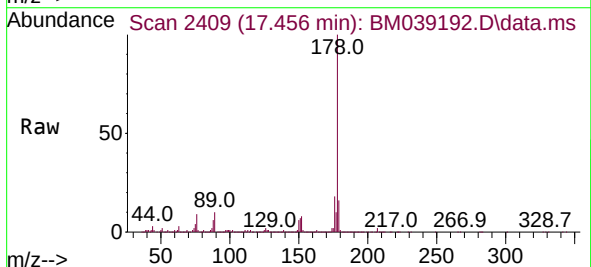
Tgt Ion:178 Resp: 1088115
Ion Ratio Lower Upper
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176 19.4 15.6 23.4
179 15.0 12.5 18.7

Manual Integrations
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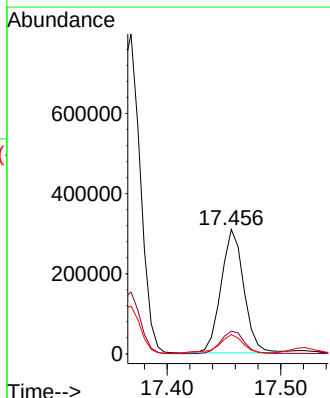
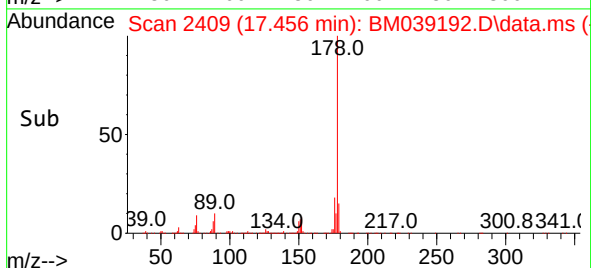
Reviewed By :Christian Giraldo 03/29/2023
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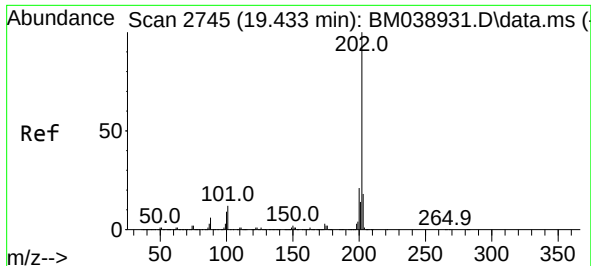


#72
Anthracene
Concen: 6.816 ng
RT: 17.456 min Scan# 2409
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49



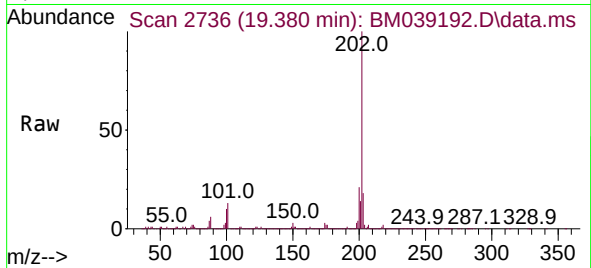
Tgt Ion:178 Resp: 428369
Ion Ratio Lower Upper
178 100
176 18.1 15.3 22.9
179 15.6 12.5 18.7





#75
Fluoranthene
Concen: 27.102 ng
RT: 19.380 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

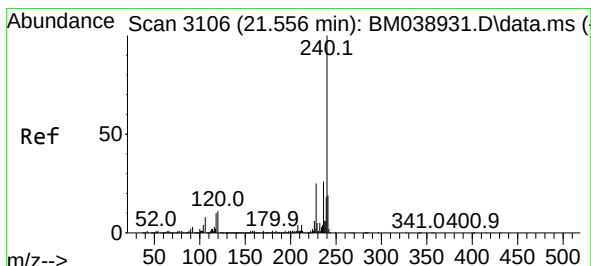
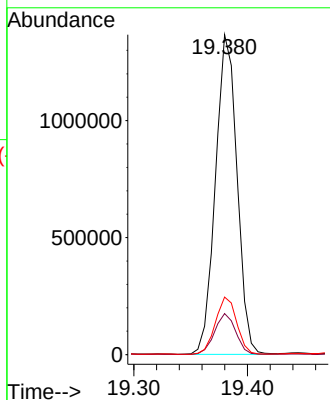
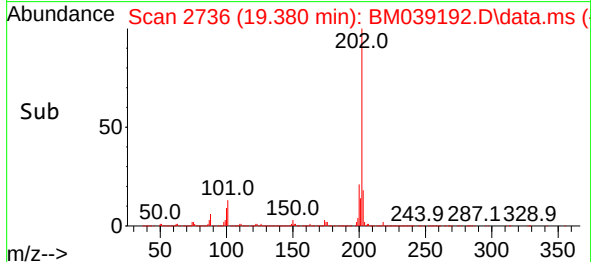
Instrument :
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ClientSampleId :
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Tgt Ion:202 Resp: 1803436
Ion Ratio Lower Upper
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101 12.9 0.0 31.7
203 18.0 0.0 37.6

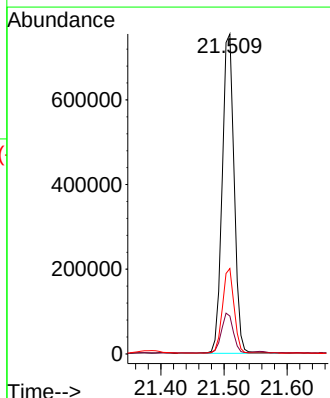
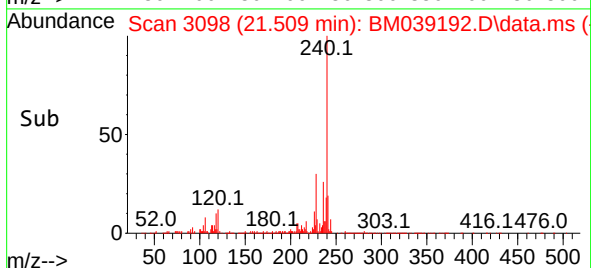
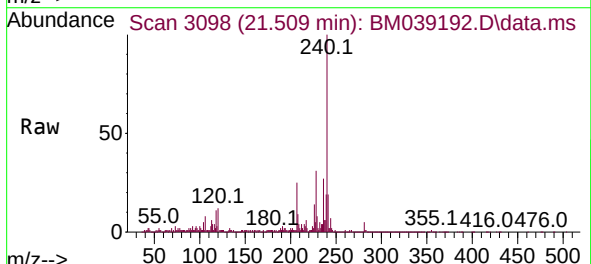
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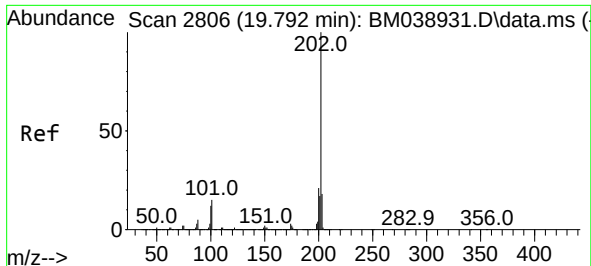
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.509 min Scan# 3098
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

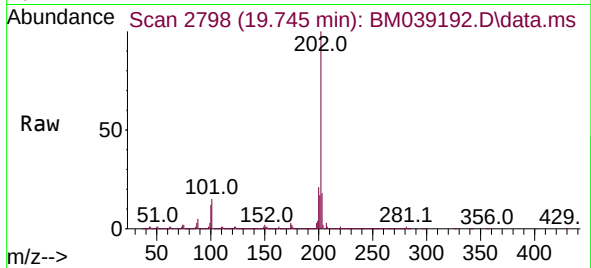
Tgt Ion:240 Resp: 989057
Ion Ratio Lower Upper
240 100
120 11.8 9.2 13.8
236 26.7 20.8 31.2





#78
 Pyrene
 Concen: 25.006 ng
 RT: 19.745 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM039192.D
 Acq: 28 Mar 2023 22:49

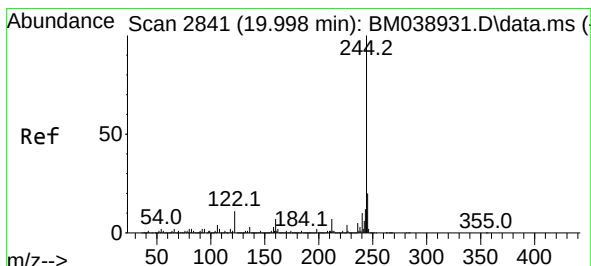
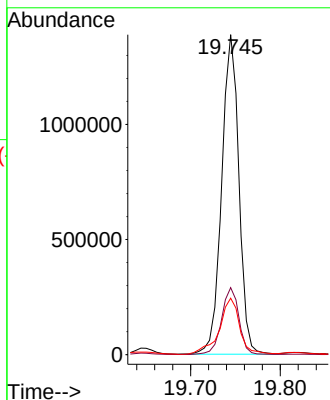
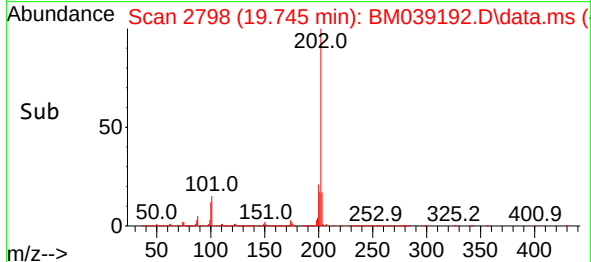
Instrument :
 BNA_M
 ClientSampleId :
 VNJ-235



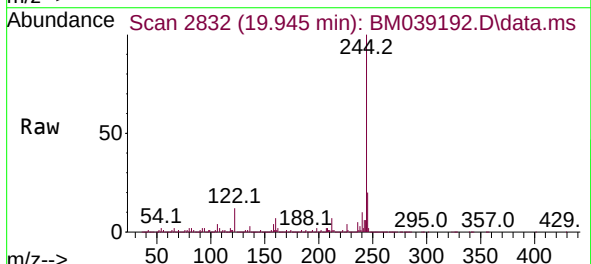
Tgt Ion:202 Resp: 1857562
 Ion Ratio Lower Upper
 202 100
 200 20.9 17.1 25.7
 203 17.6 14.1 21.1

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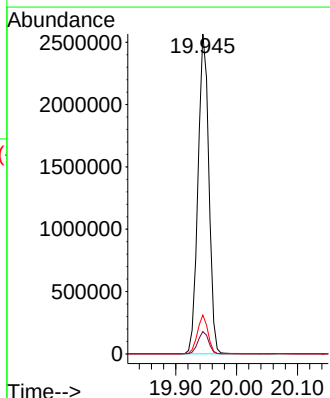
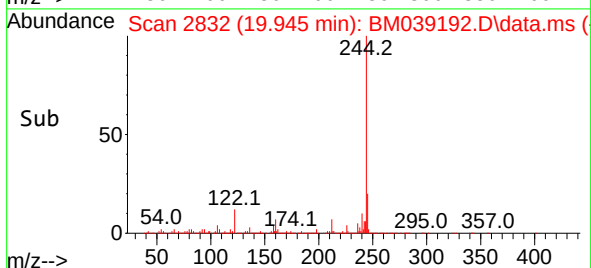
Reviewed By :Christian Giraldo 03/29/2023
 Supervised By :Jagrut Upadhyay 03/29/2023

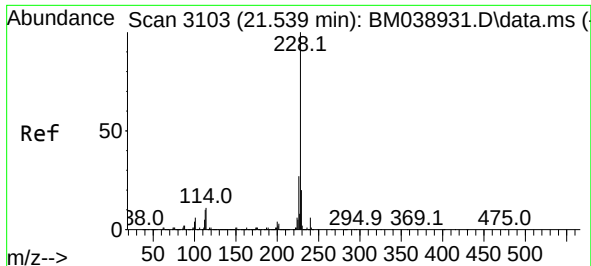


#79
 Terphenyl-d14
 Concen: 58.536 ng
 RT: 19.945 min Scan# 2832
 Delta R.T. -0.006 min
 Lab File: BM039192.D
 Acq: 28 Mar 2023 22:49



Tgt Ion:244 Resp: 3166545
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 12.1 9.0 13.4





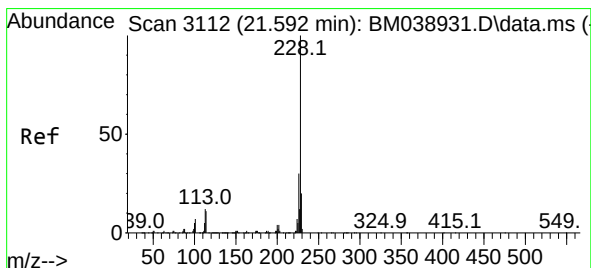
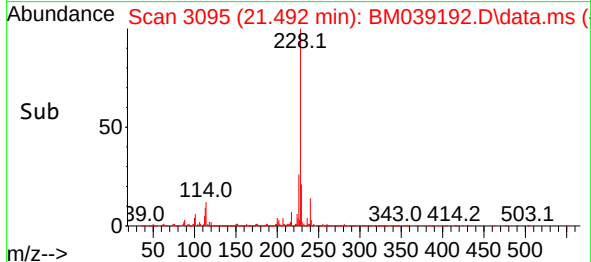
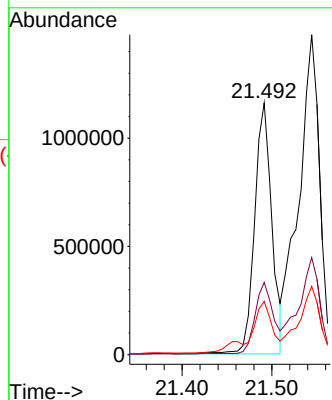
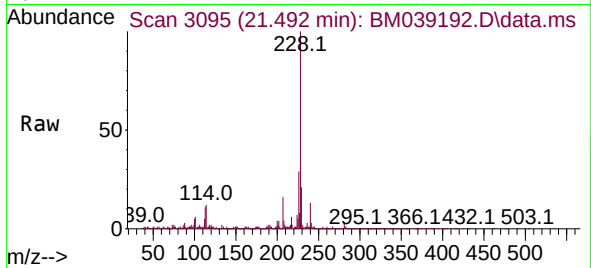
#81
Benzo(a)anthracene
Concen: 21.705 ng
RT: 21.492 min Scan# 30
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Tgt Ion:228 Resp: 1546004
Ion Ratio Lower Upper
228 100
226 28.6 21.4 32.2
229 21.1 15.7 23.5

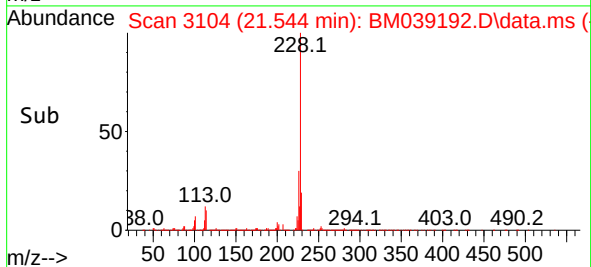
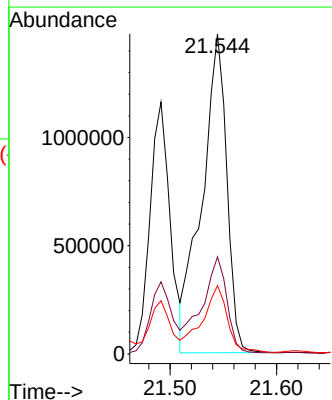
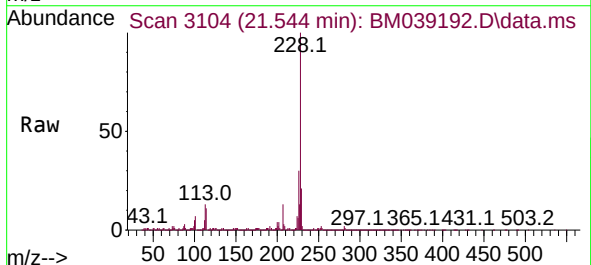
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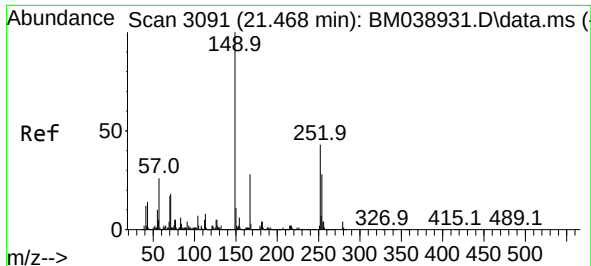
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#83
Chrysene
Concen: 34.464 ng
RT: 21.544 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:228 Resp: 2387468
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 21.3 16.0 24.0





#84
Bis(2-ethylhexyl)phthalate
Concen: 4.198 ng
RT: 21.415 min Scan# 3091
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Instrument :

BNA_M

ClientSampleId :

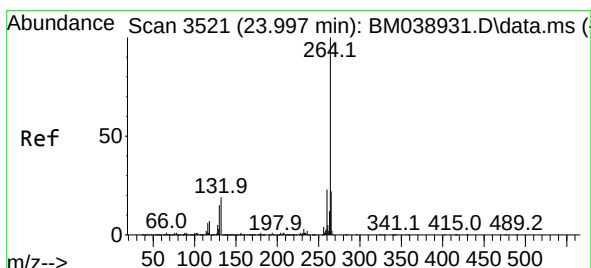
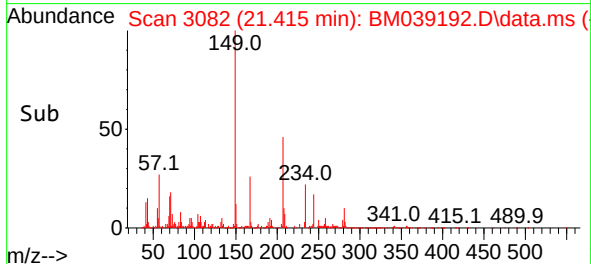
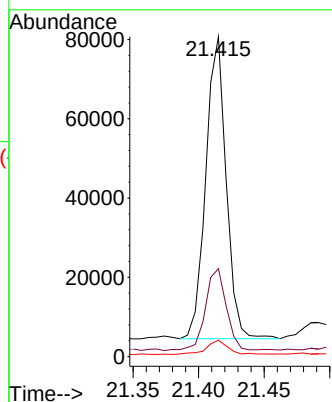
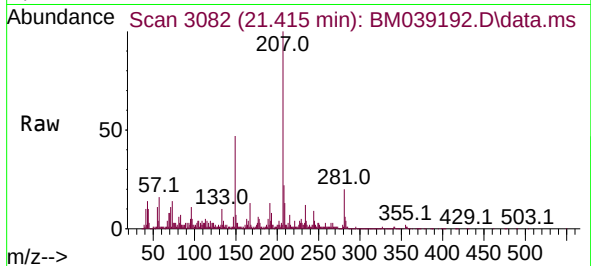
VNJ-235

Tgt Ion:149 Resp: 82500
Ion Ratio Lower Upper
149 100
167 27.5 22.3 33.5
279 5.1 3.2 4.8

Manual Integrations

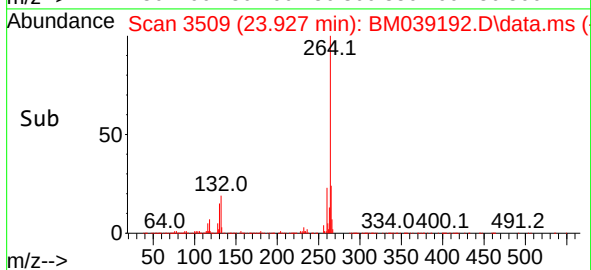
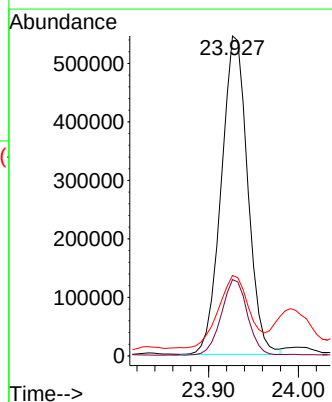
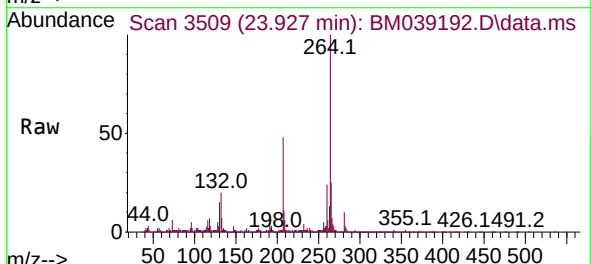
APPROVED

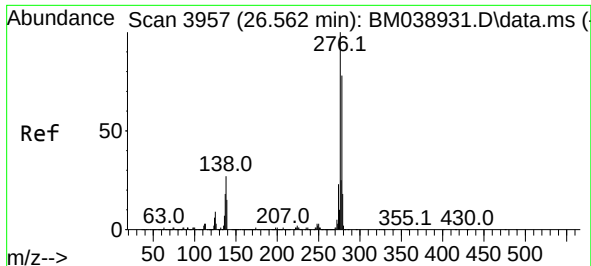
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.927 min Scan# 3509
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:264 Resp: 1114587
Ion Ratio Lower Upper
264 100
260 23.8 18.7 28.1
265 25.1 17.9 26.9





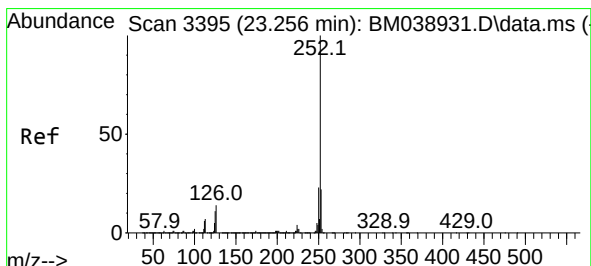
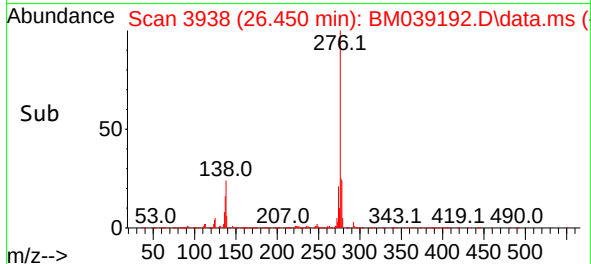
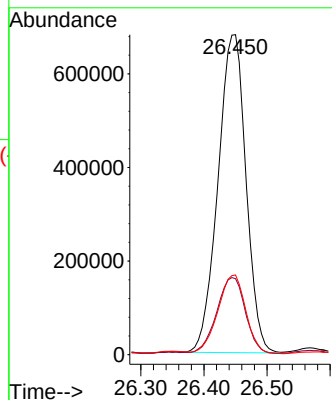
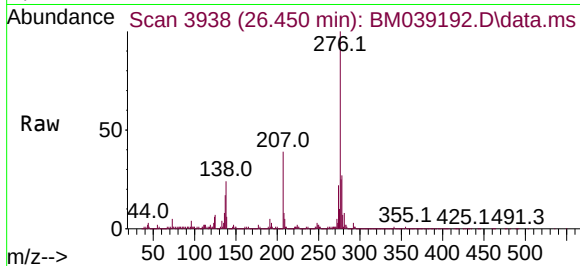
#87
Indeno(1,2,3-cd)pyrene
Concen: 24.687 ng
RT: 26.450 min Scan# 3957
Delta R.T. -0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Tgt Ion:276 Resp: 2093734
Ion Ratio Lower Upper
276 100
138 24.5 22.1 33.1
277 24.7 20.1 30.1

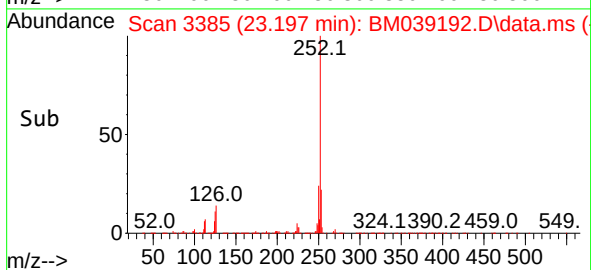
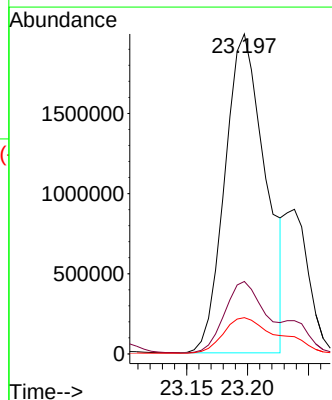
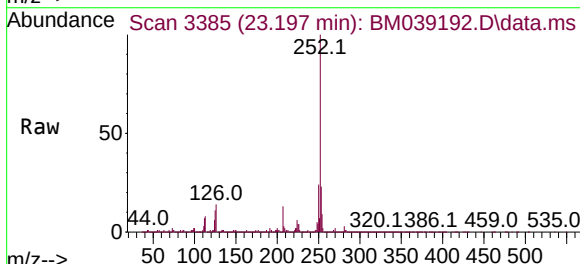
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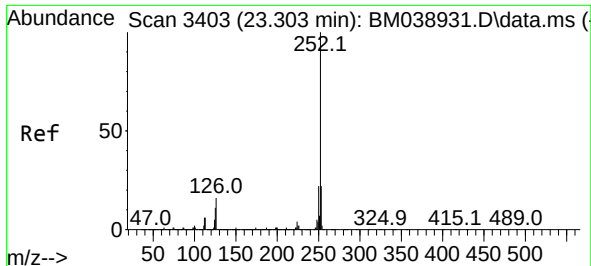
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#88
Benzo(b)fluoranthene
Concen: 64.967 ng
RT: 23.197 min Scan# 3385
Delta R.T. 0.006 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:252 Resp: 4626149
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 11.3 8.8 13.2





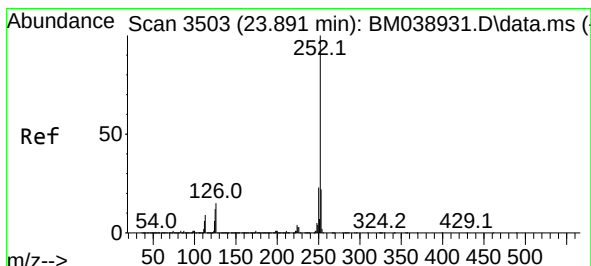
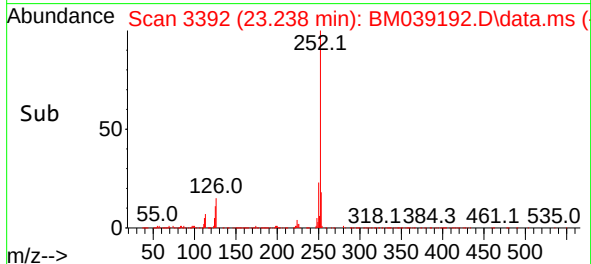
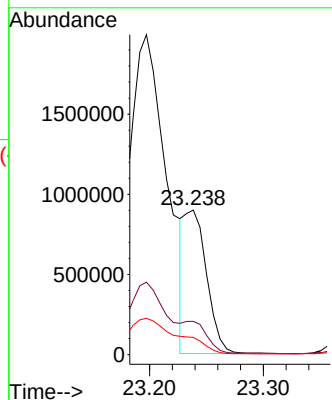
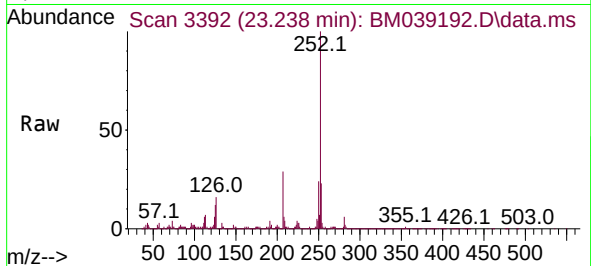
#89
Benzo(k)fluoranthene
Concen: 16.309 ng m
RT: 23.238 min Scan# 3403
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Instrument :
BNA_M
ClientSampleId :
VNJ-235

Tgt Ion:252 Resp: 1208566
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 11.9 8.9 13.3

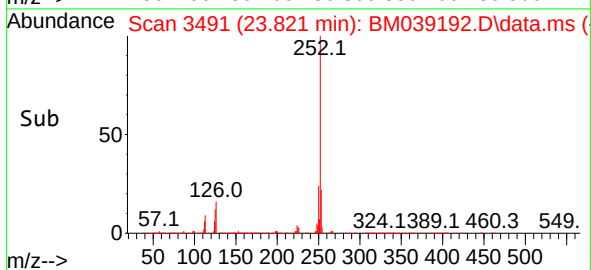
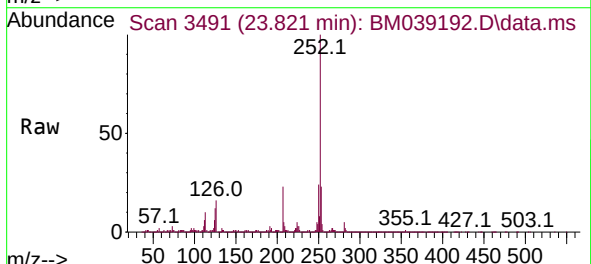
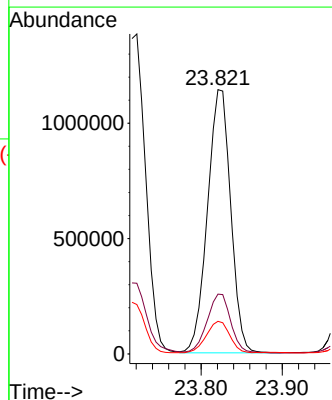
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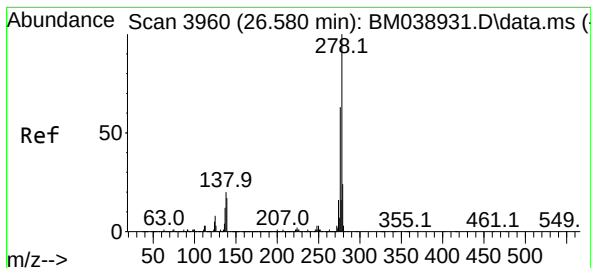
Reviewed By :Christian Giraldo 03/29/2023
Supervised By :Jagrut Upadhyay 03/29/2023



#90
Benzo(a)pyrene
Concen: 33.127 ng
RT: 23.821 min Scan# 3491
Delta R.T. -0.000 min
Lab File: BM039192.D
Acq: 28 Mar 2023 22:49

Tgt Ion:252 Resp: 2270217
Ion Ratio Lower Upper
252 100
253 22.6 17.6 26.4
125 12.3 9.8 14.8





#91

Dibenzo(a,h)anthracene

Concen: 8.981 ng

RT: 26.450 min Scan# 39

Delta R.T. -0.018 min

Lab File: BM039192.D

Acq: 28 Mar 2023 22:49

Instrument :

BNA_M

ClientSampleId :

VNJ-235

Tgt Ion:278 Resp: 645085

Ion Ratio Lower Upper

278 100

139 23.6 13.7 20.5

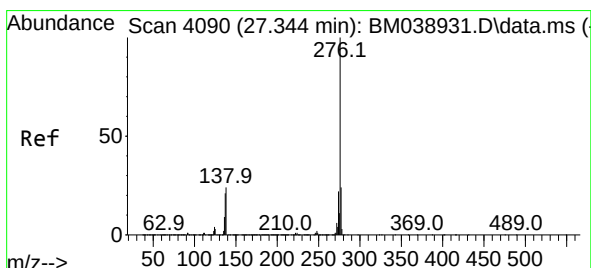
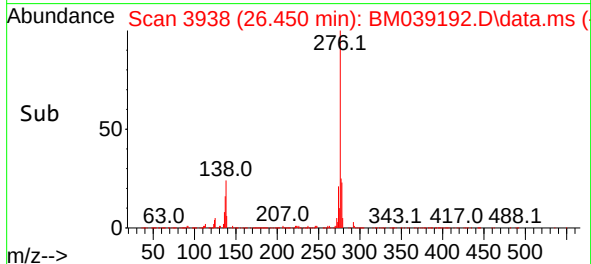
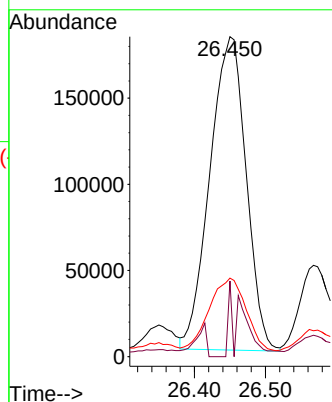
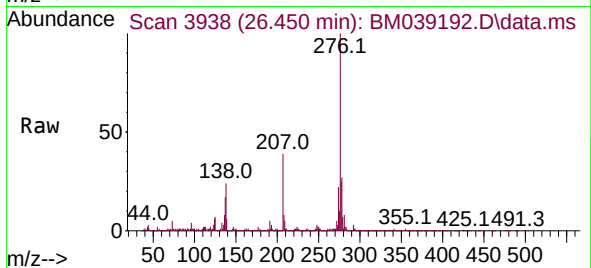
279 24.5 18.9 28.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/29/2023

Supervised By :Jagrut Upadhyay 03/29/2023



#92

Benzo(g,h,i)perylene

Concen: 29.541 ng

RT: 27.226 min Scan# 4070

Delta R.T. -0.000 min

Lab File: BM039192.D

Acq: 28 Mar 2023 22:49

Tgt Ion:276 Resp: 2075879

Ion Ratio Lower Upper

276 100

277 24.0 19.3 28.9

138 23.5 19.0 28.6

