

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
 Data File : BM039570.D
 Acq On : 22 Apr 2023 02:30
 Operator : CG/JU
 Sample : 02393-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNJ-229

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/24/2023
 Supervised By : Jagrut Upadhyay 04/24/2023

Quant Time: Apr 22 04:58:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 21 12:46:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.825	152	182402	20.000	ng	0.00
21) Naphthalene-d8	10.636	136	699202	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	400238	20.000	ng	0.00
64) Phenanthrene-d10	17.242	188	808831	20.000	ng	0.01
76) Chrysene-d12	21.436	240	663224	20.000	ng	# 0.01
86) Perylene-d12	23.806	264	752517	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.401	112	508109	45.513	ng	0.01
7) Phenol-d6	7.019	99	640287	39.025	ng	0.01
23) Nitrobenzene-d5	8.995	82	346433	24.263	ng	0.00
42) 2,4,6-Tribromophenol	15.983	330	205216	39.513	ng	0.00
45) 2-Fluorobiphenyl	13.107	172	638921	22.088	ng	0.00
79) Terphenyl-d14	19.871	244	822377	22.369	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.283	178	307068	7.001	ng	99
72) Anthracene	17.371	178	156054	3.469	ng	98
75) Fluoranthene	19.306	202	662701	12.454	ng	99
78) Pyrene	19.665	202	582320	11.939	ng	98
81) Benzo(a)anthracene	21.418	228	314310	6.673	ng	96
83) Chrysene	21.471	228	474937	10.404	ng	96
87) Indeno(1,2,3-cd)pyrene	26.265	276	243851	4.410	ng	94
88) Benzo(b)fluoranthene	23.088	252	697710	15.207	ng	# 89
89) Benzo(k)fluoranthene	23.130	252	192832m	4.020	ng	
90) Benzo(a)pyrene	23.700	252	372106	8.160	ng	# 80
92) Benzo(g,h,i)perylene	27.029	276	229582	5.039	ng	# 90

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

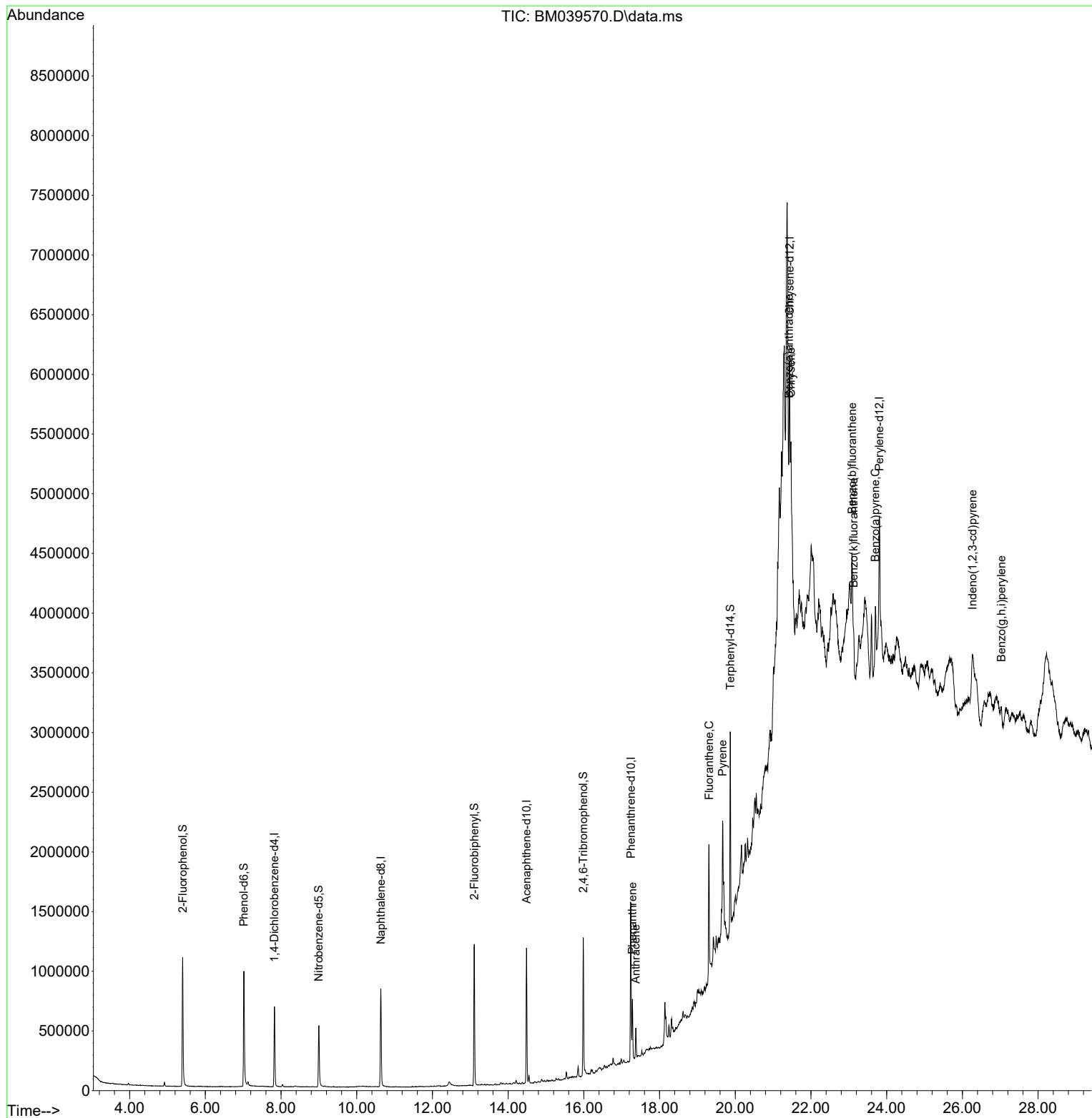
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM042123\
Data File : BM039570.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

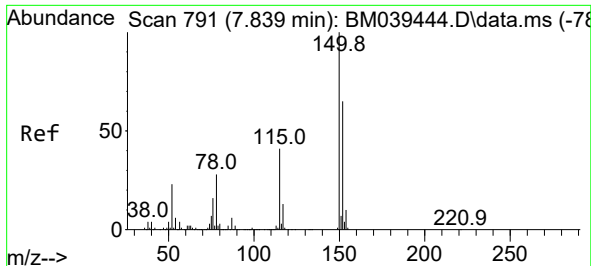
Instrument :
BNA_M
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Quant Time: Apr 22 04:58:43 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM041723.M
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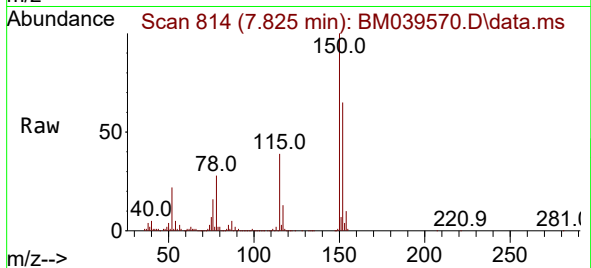
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.825 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

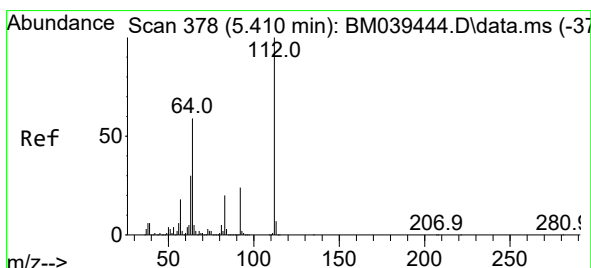
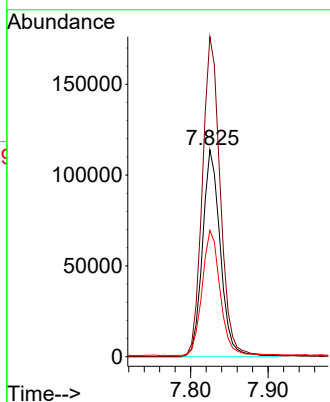
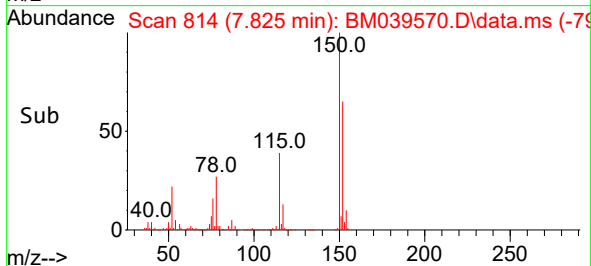
Instrument :
BNA_M
ClientSampleId :
VNJ-229



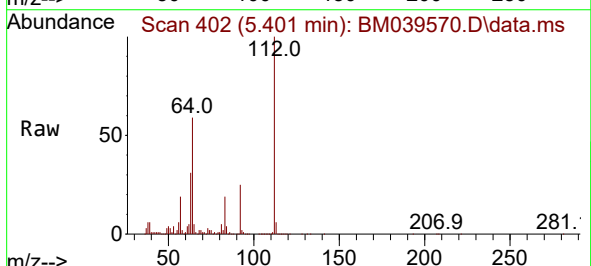
Tgt Ion:152 Resp: 18240
Ion Ratio Lower Upper
152 100
150 154.7 123.0 184.4
115 61.0 49.9 74.9

Manual Integrations
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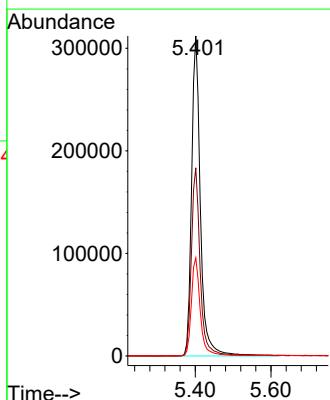
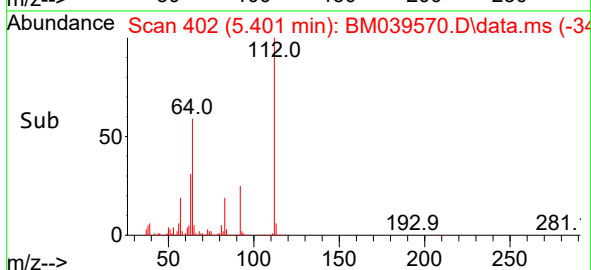
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

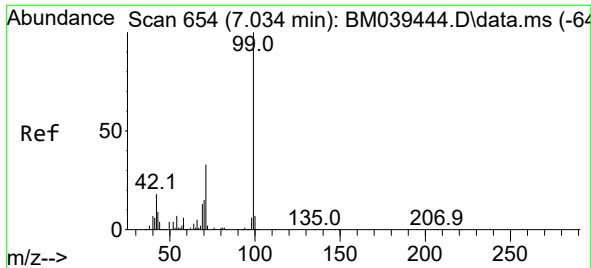


#5
2-Fluorophenol
Concen: 45.513 ng
RT: 5.401 min Scan# 402
Delta R.T. 0.012 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30



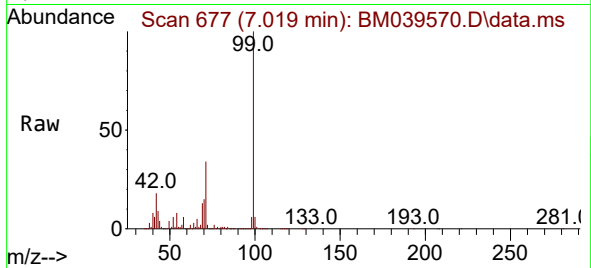
Tgt Ion:112 Resp: 508109
Ion Ratio Lower Upper
112 100
64 58.8 47.0 70.4
63 30.7 24.2 36.4





#7
Phenol-d6
Concen: 39.025 ng
RT: 7.019 min Scan# 61
Delta R.T. 0.012 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

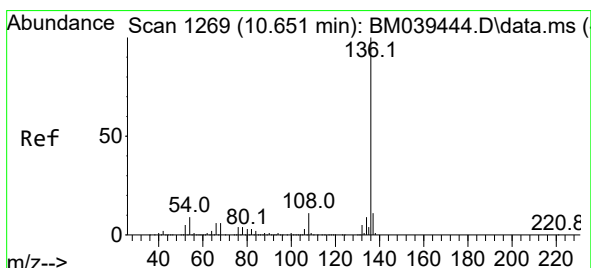
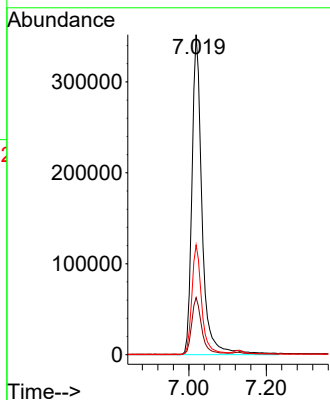
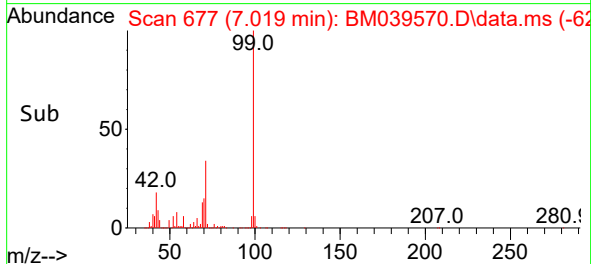
Instrument :
BNA_M
ClientSampleId :
VNJ-229



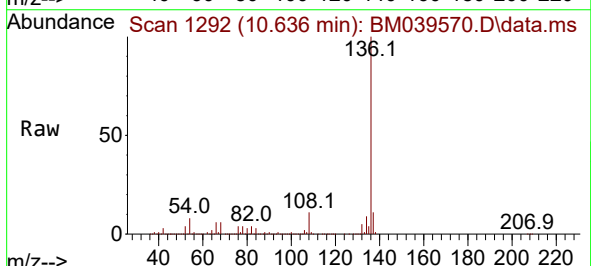
Tgt Ion: 99 Resp: 64028
Ion Ratio Lower Upper
99 100
42 17.8 14.2 21.4
71 34.3 26.8 40.2

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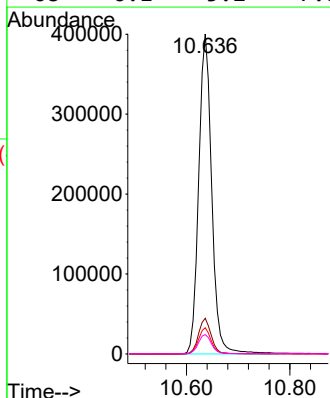
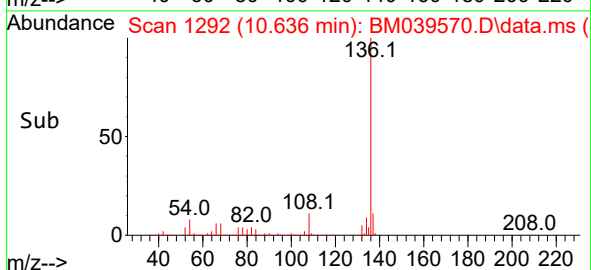
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023

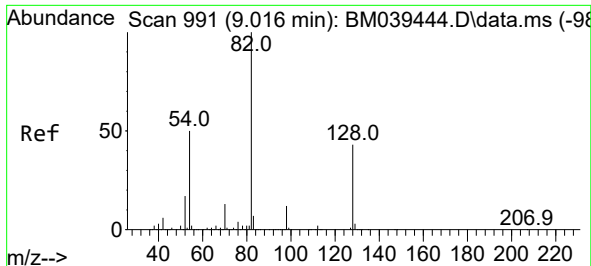


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.636 min Scan# 1292
Delta R.T. 0.006 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30



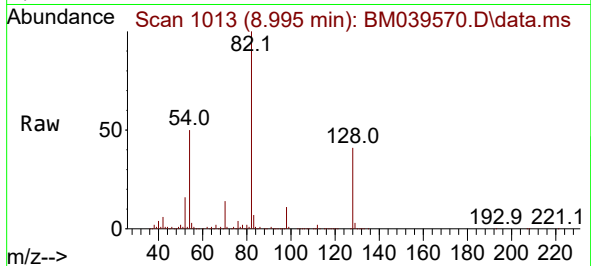
Tgt Ion:136 Resp: 699202
Ion Ratio Lower Upper
136 100
137 11.2 8.6 13.0
54 8.2 6.9 10.3
68 6.1 5.2 7.8





#23
Nitrobenzene-d5
Concen: 24.263 ng
RT: 8.995 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

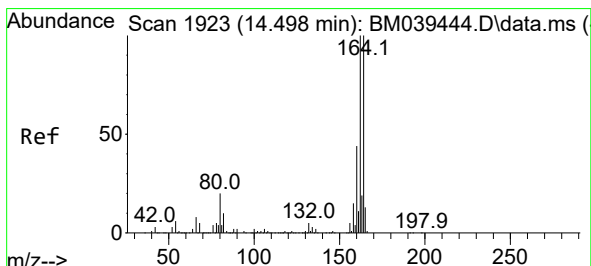
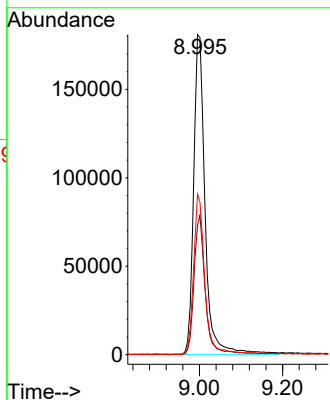
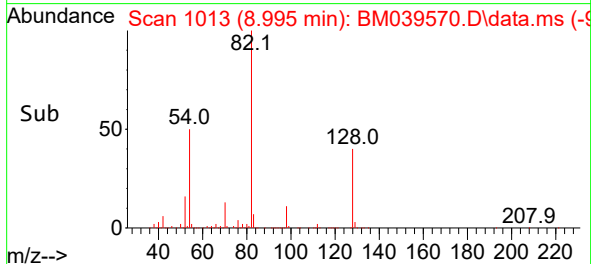
Instrument :
BNA_M
ClientSampleId :
VNJ-229



Tgt Ion: 82 Resp: 34643
Ion Ratio Lower Upper
82 100
128 40.5 34.2 51.2
54 50.2 39.7 59.5

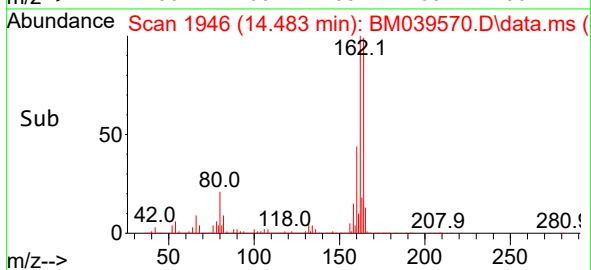
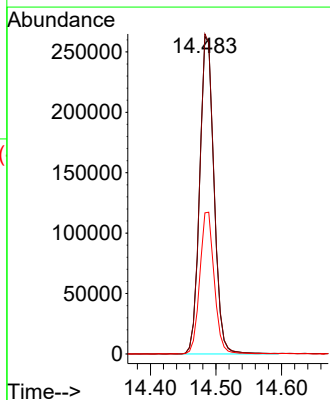
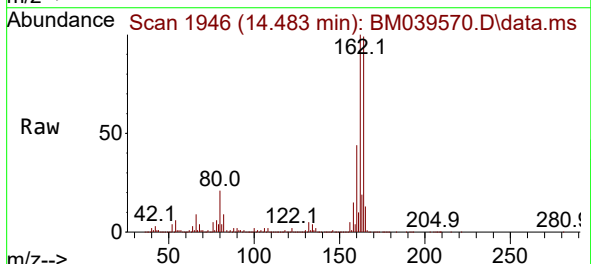
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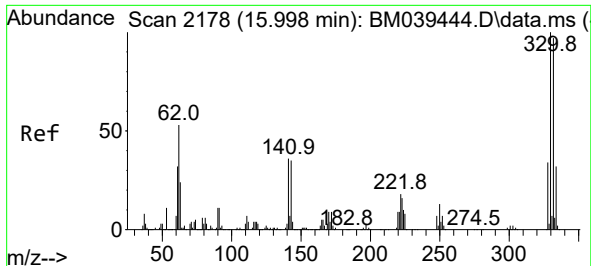
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.483 min Scan# 1946
Delta R.T. 0.006 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

Tgt Ion:164 Resp: 400238
Ion Ratio Lower Upper
164 100
162 100.8 79.8 119.8
160 44.5 35.0 52.4





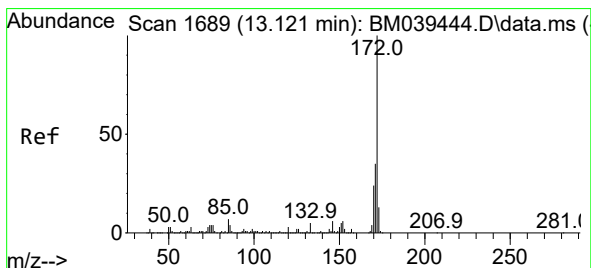
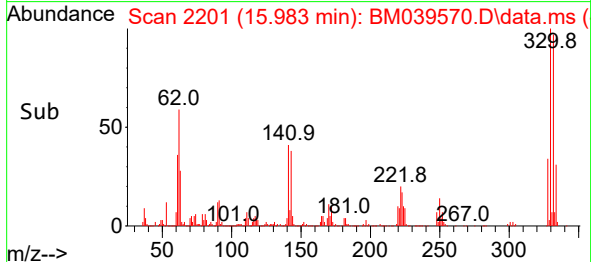
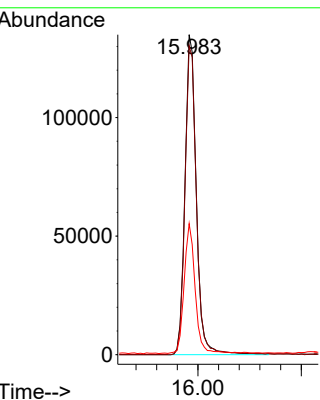
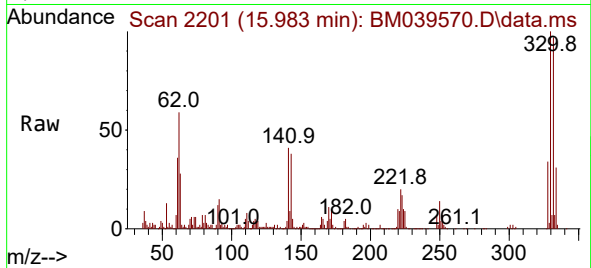
#42
2,4,6-Tribromophenol
Concen: 39.513 ng
RT: 15.983 min Scan# 2178
Delta R.T. 0.006 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

Instrument :
BNA_M
ClientSampleId :
VNJ-229

Tgt Ion:330 Resp: 205210
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.2
141 39.6 31.0 46.6

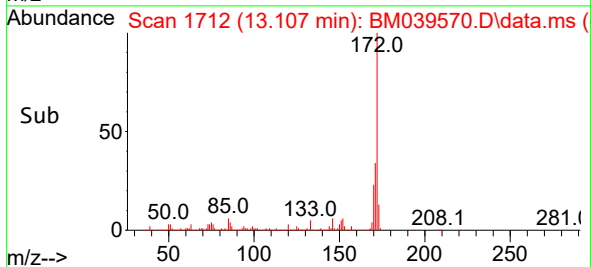
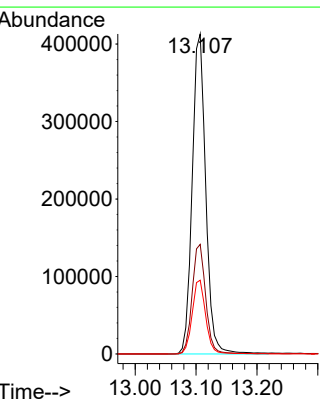
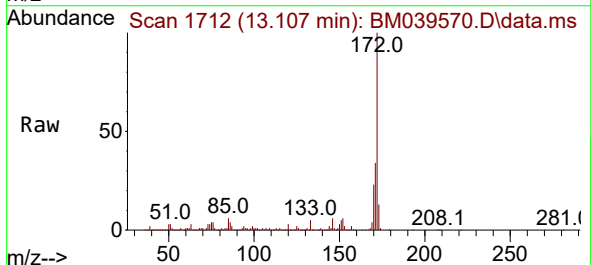
Manual Integrations
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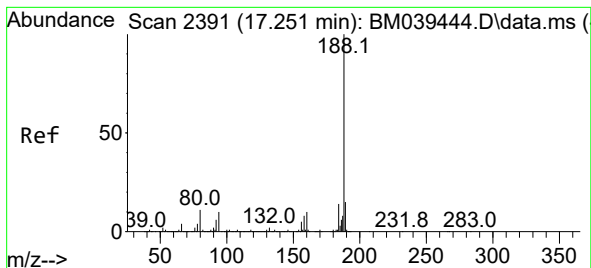
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#45
2-Fluorobiphenyl
Concen: 22.088 ng
RT: 13.107 min Scan# 1712
Delta R.T. 0.006 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

Tgt Ion:172 Resp: 638921
Ion Ratio Lower Upper
172 100
171 34.2 27.8 41.8
170 23.1 19.0 28.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.242 min Scan# 2415

Delta R.T. 0.012 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Instrument :

BNA_M

ClientSampleId :

VNJ-229

Tgt Ion:188 Resp: 80883

Ion Ratio Lower Upper

188 100

94 9.2 7.9 11.9

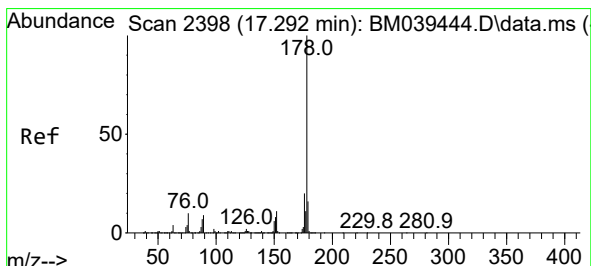
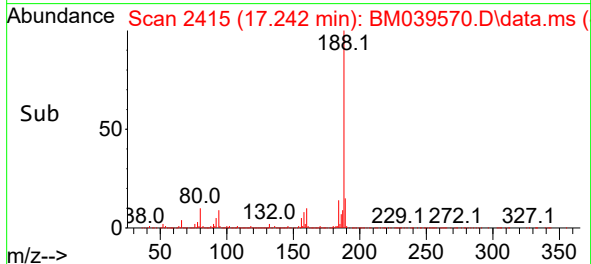
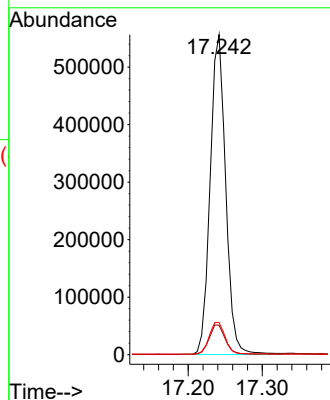
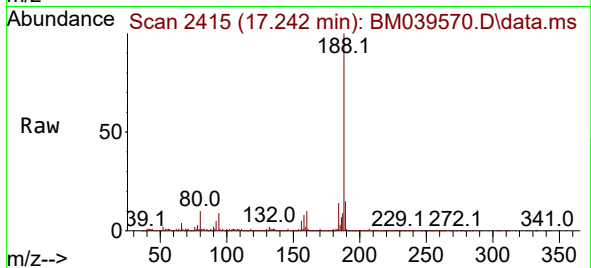
80 10.0 8.9 13.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#71

Phenanthrene

Concen: 7.001 ng

RT: 17.283 min Scan# 2422

Delta R.T. 0.006 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

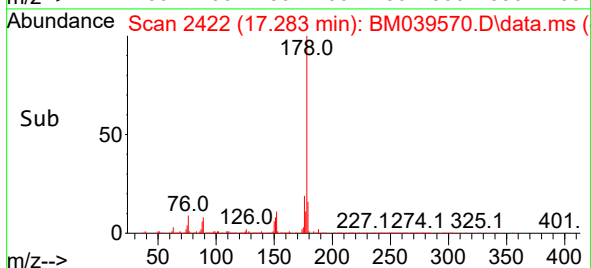
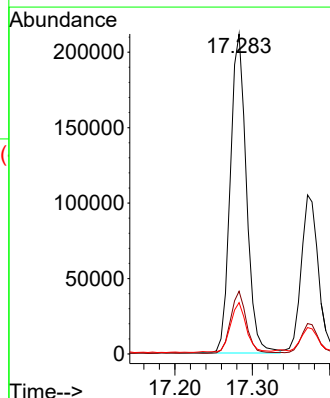
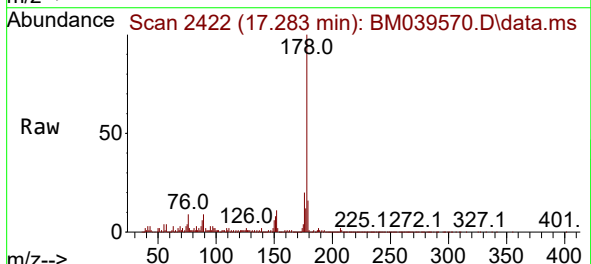
Tgt Ion:178 Resp: 307068

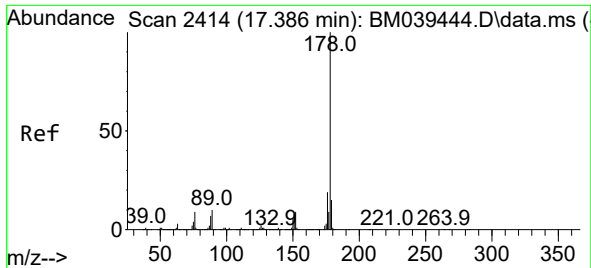
Ion Ratio Lower Upper

178 100

176 19.6 15.6 23.4

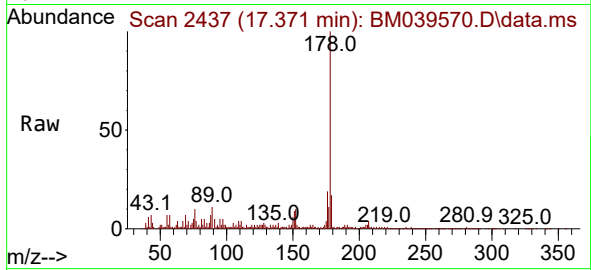
179 16.0 12.5 18.7





#72
 Anthracene
 Concen: 3.469 ng
 RT: 17.371 min Scan# 2414
 Delta R.T. 0.006 min
 Lab File: BM039570.D
 Acq: 22 Apr 2023 02:30

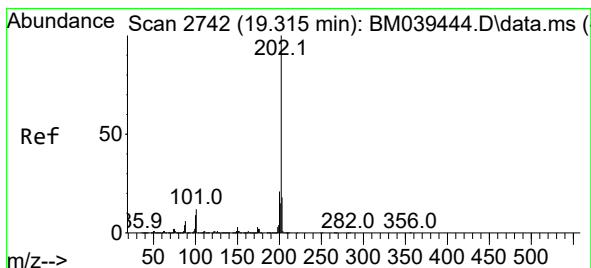
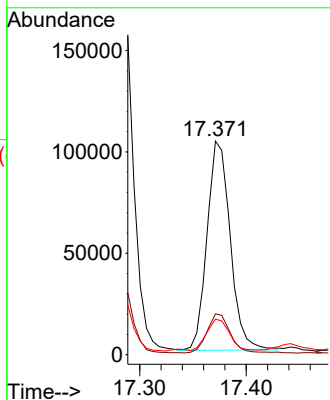
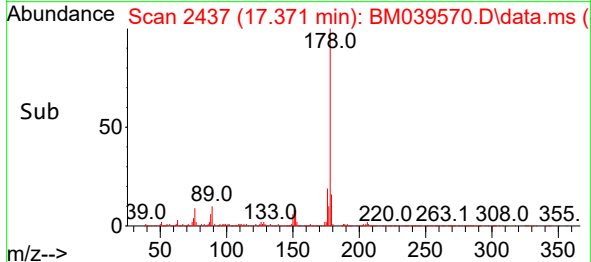
Instrument :
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 VNJ-229



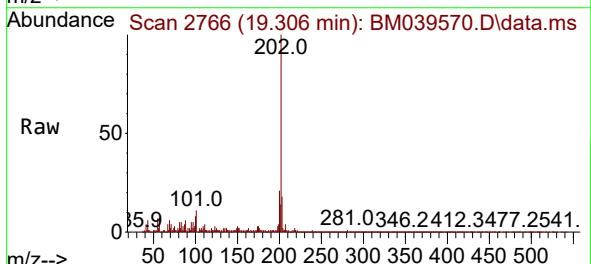
Tgt Ion:178 Resp: 156054
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.2 22.8
 179 16.6 12.2 18.4

Manual Integrations
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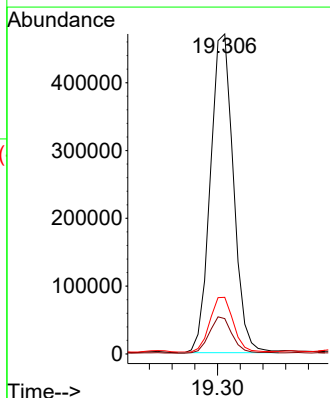
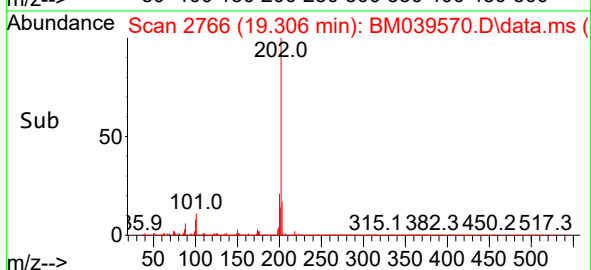
Reviewed By :Christian Giraldo 04/24/2023
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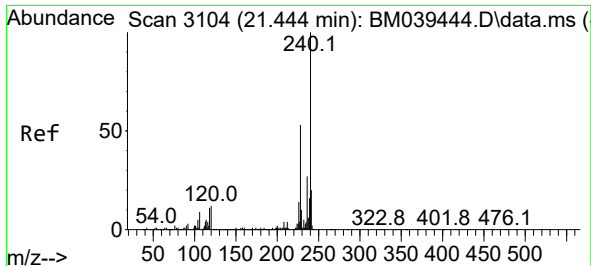


#75
 Fluoranthene
 Concen: 12.454 ng
 RT: 19.306 min Scan# 2766
 Delta R.T. 0.012 min
 Lab File: BM039570.D
 Acq: 22 Apr 2023 02:30



Tgt Ion:202 Resp: 662701
 Ion Ratio Lower Upper
 202 100
 101 11.1 0.0 32.1
 203 17.7 0.0 37.6





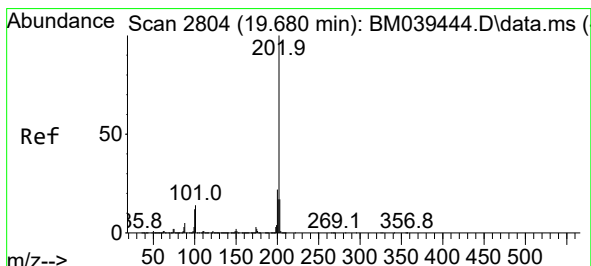
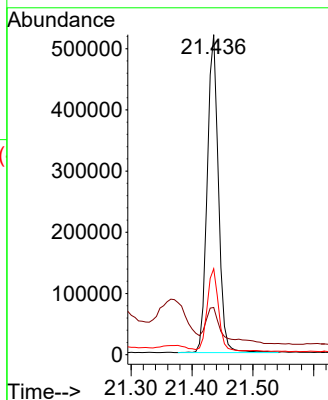
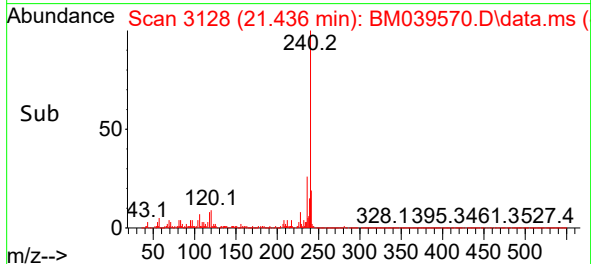
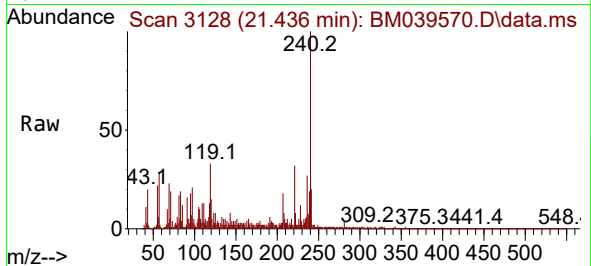
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.436 min Scan# 3104
Delta R.T. 0.012 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

Instrument :
BNA_M
ClientSampleId :
VNJ-229

Tgt Ion:240 Resp: 663224
Ion Ratio Lower Upper
240 100
120 14.8 9.4 14.2
236 26.8 21.2 31.8

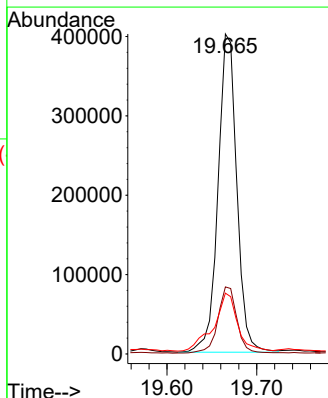
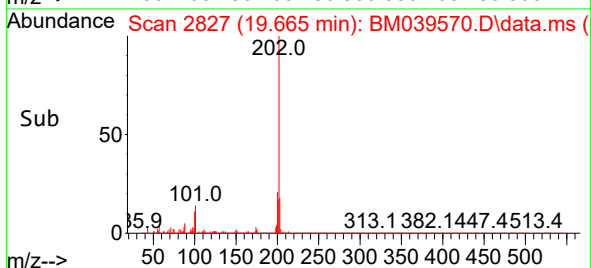
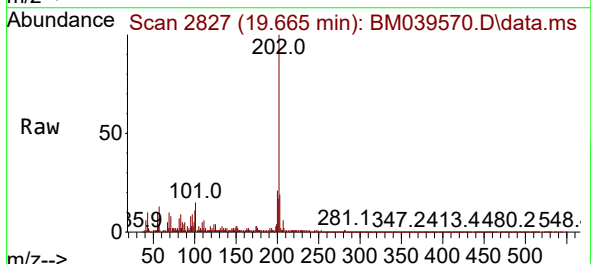
Manual Integrations
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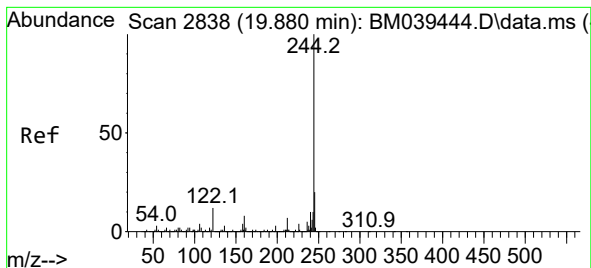
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#78
Pyrene
Concen: 11.939 ng
RT: 19.665 min Scan# 2827
Delta R.T. 0.006 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

Tgt Ion:202 Resp: 582320
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 19.0 13.9 20.9





#79

Terphenyl-d14

Concen: 22.369 ng

RT: 19.871 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Instrument :

BNA_M

ClientSampleId :

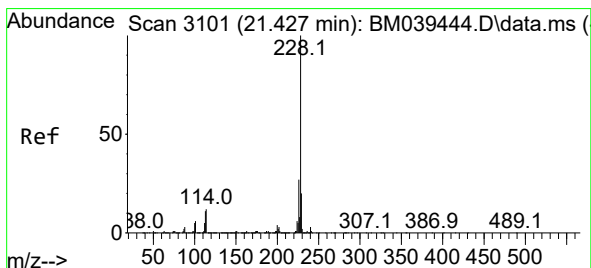
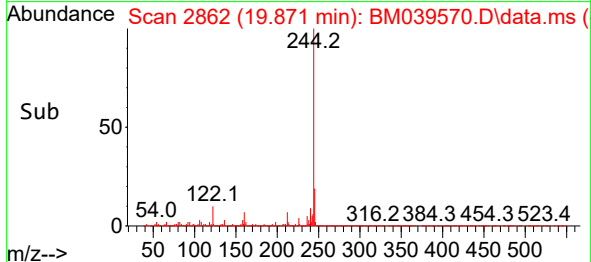
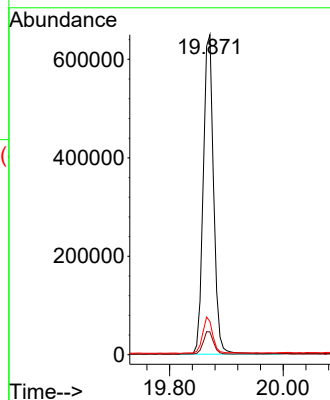
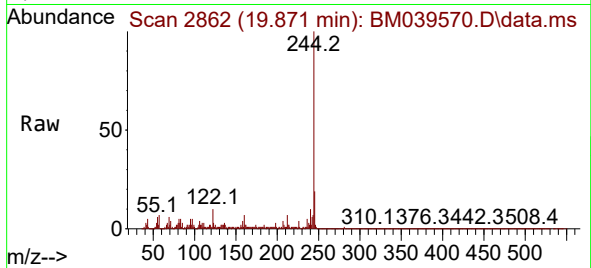
VNJ-229

Tgt Ion:244 Resp: 82237
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.8
 122 10.4 9.5 14.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/24/2023
 Supervised By :Jagrut Upadhyay 04/24/2023



#81

Benzo(a)anthracene

Concen: 6.673 ng

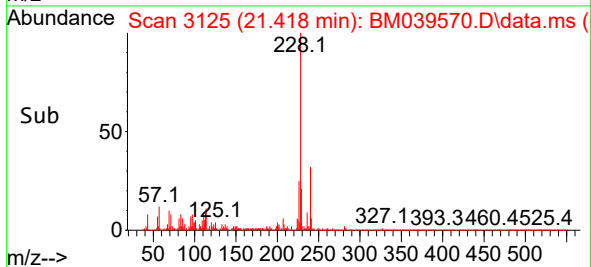
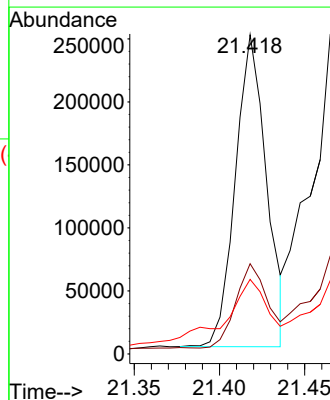
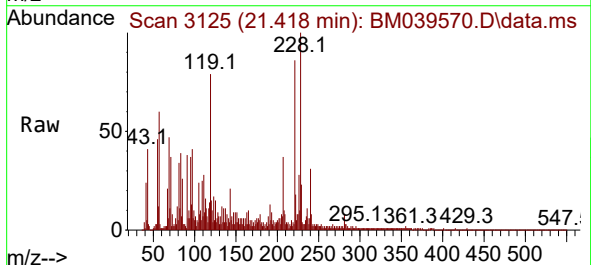
RT: 21.418 min Scan# 3125

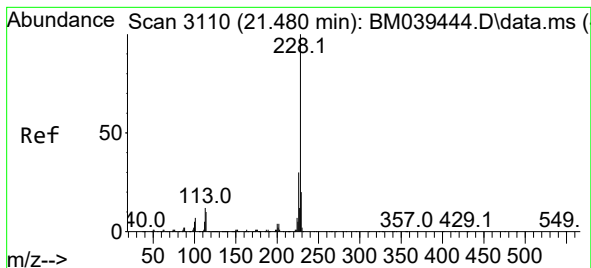
Delta R.T. 0.006 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Tgt Ion:228 Resp: 314310
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.8 32.8
 229 23.3 15.9 23.9





#83

Chrysene

Concen: 10.404 ng

RT: 21.471 min Scan# 3110

Delta R.T. 0.006 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Instrument :

BNA_M

ClientSampleId :

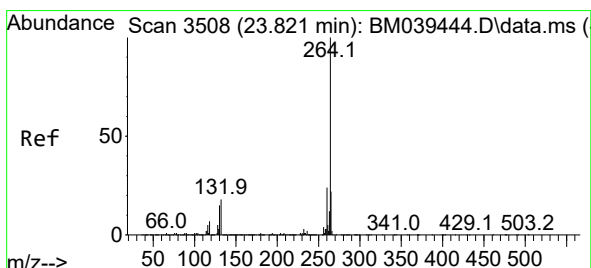
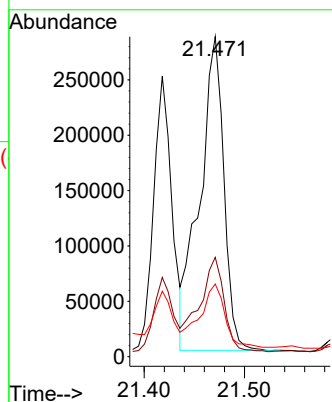
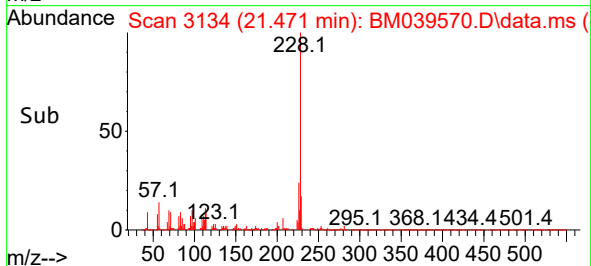
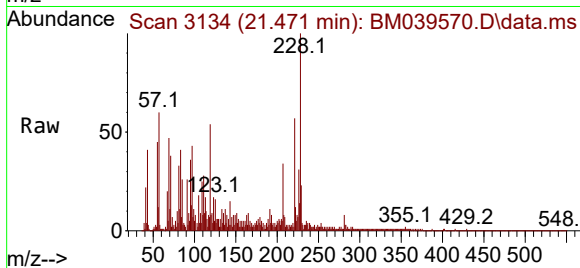
VNJ-229

Tgt Ion:228	Resp: 47493
Ion Ratio	Lower Upper
228 100	
226 31.0	24.0 36.0
229 22.7	16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#86

Perylene-d12

Concen: 20.000 ng

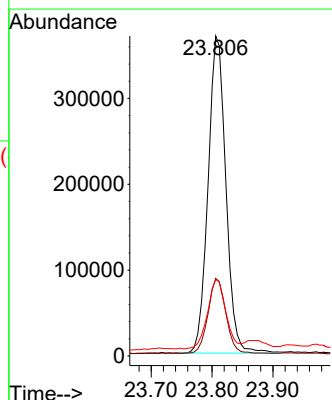
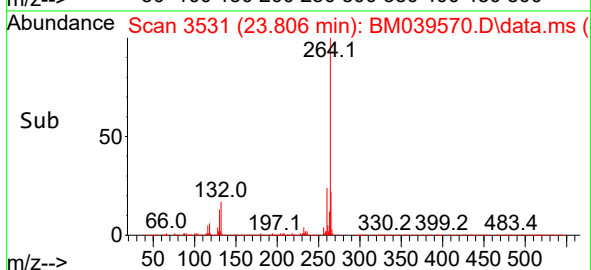
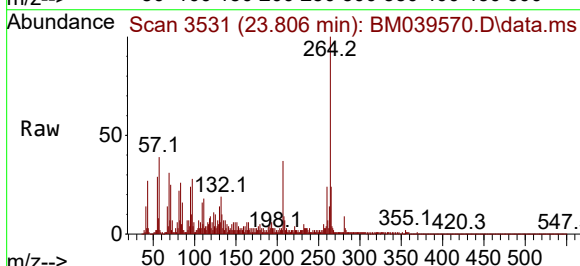
RT: 23.806 min Scan# 3531

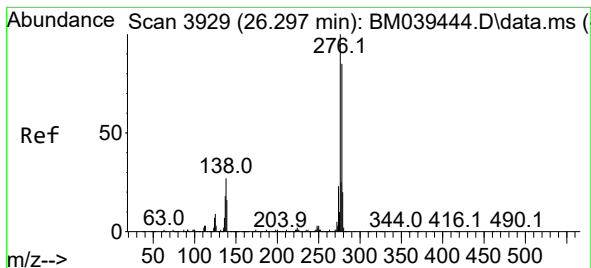
Delta R.T. 0.018 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Tgt Ion:264	Resp: 752517
Ion Ratio	Lower Upper
264 100	
260 24.2	19.0 28.6
265 23.8	18.0 27.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.410 ng

RT: 26.265 min Scan# 3409

Delta R.T. 0.029 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Instrument :

BNA_M

ClientSampleId :

VNJ-229

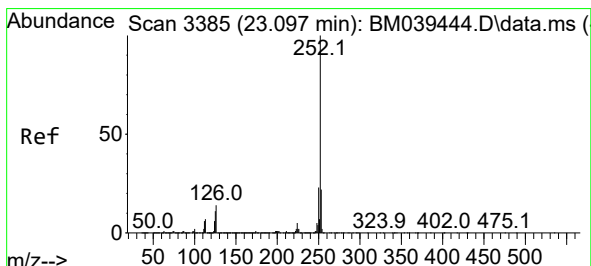
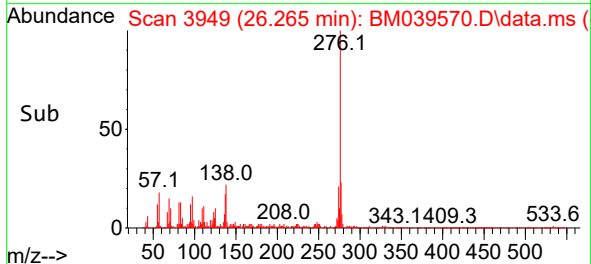
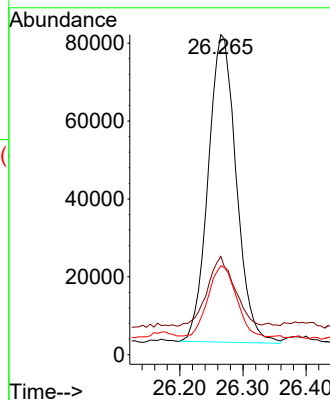
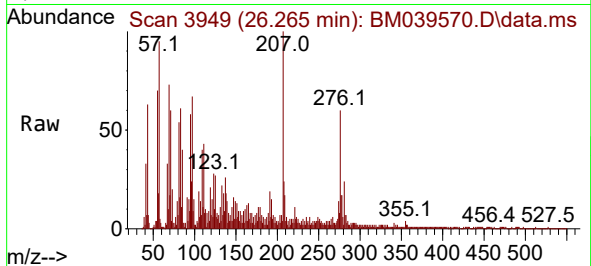
Tgt Ion:	276	Resp:	24385
Ion Ratio	Lower	Upper	
276	100		
138	22.1	21.4	32.0
277	23.1	20.0	30.0

Manual Integrations

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Reviewed By :Christian Giraldo 04/24/2023

Supervised By :Jagrut Upadhyay 04/24/2023



#88

Benzo(b)fluoranthene

Concen: 15.207 ng

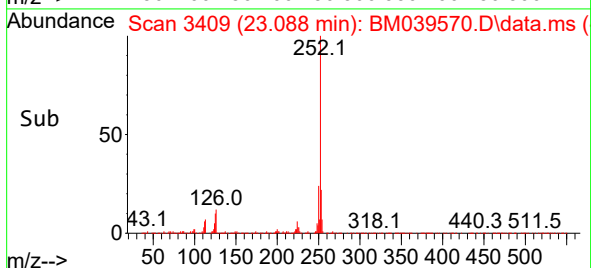
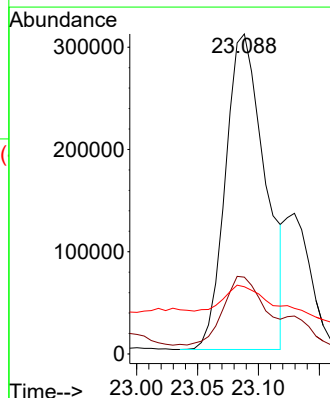
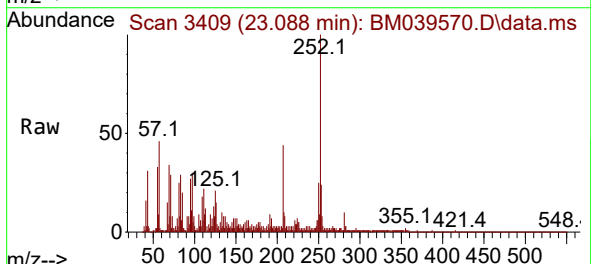
RT: 23.088 min Scan# 3409

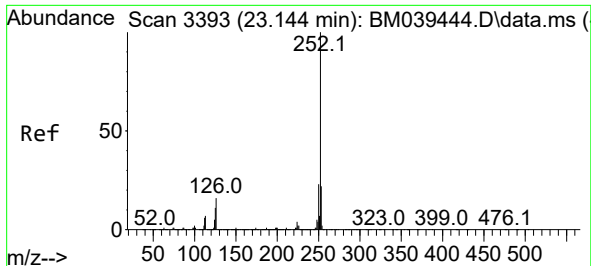
Delta R.T. 0.018 min

Lab File: BM039570.D

Acq: 22 Apr 2023 02:30

Tgt Ion:	252	Resp:	697710
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.8	26.6
125	21.0	8.9	13.3





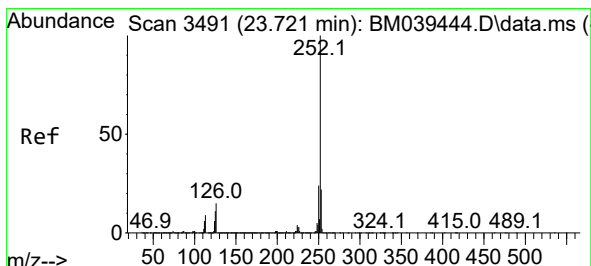
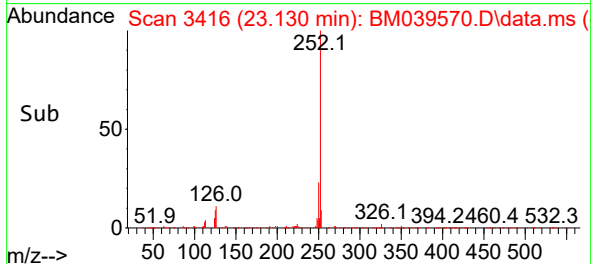
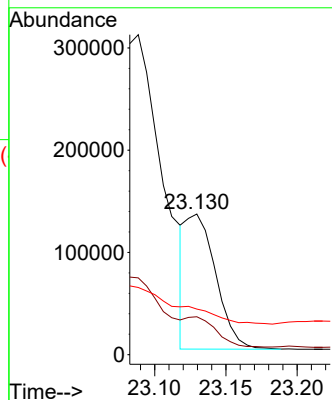
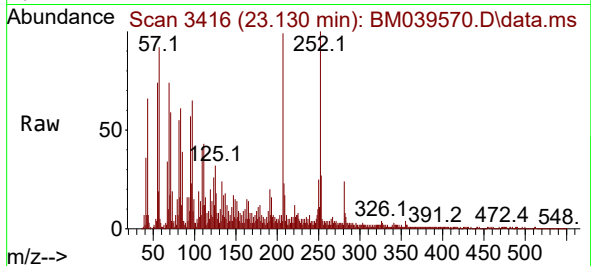
#89
Benzo(k)fluoranthene
Concen: 4.020 ng m
RT: 23.130 min Scan# 3416
Delta R.T. 0.012 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

Instrument :
BNA_M
ClientSampleId :
VNJ-229

Tgt Ion:252 Resp: 19283
Ion Ratio Lower Upper
252 100
253 26.9 17.5 26.3
125 32.4 8.8 13.2

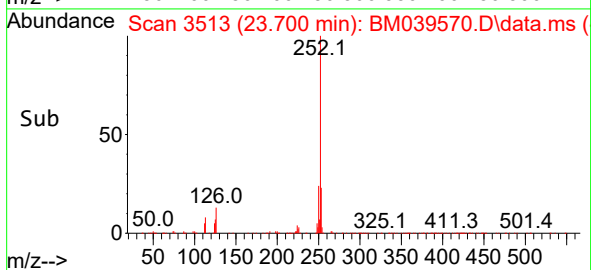
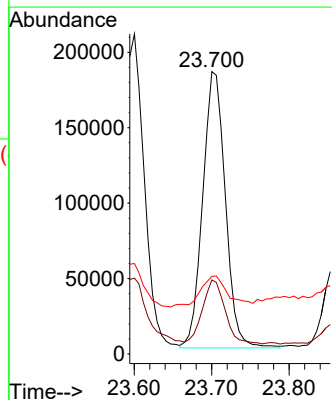
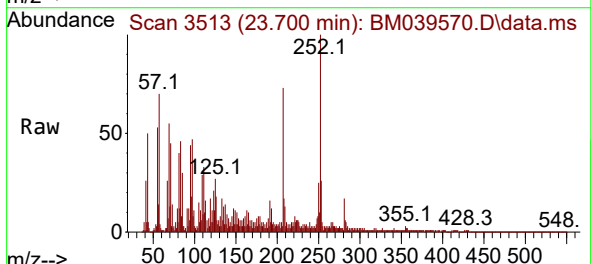
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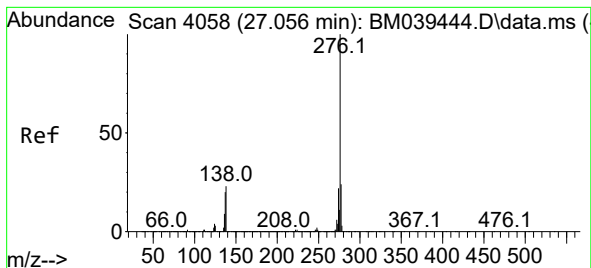
Reviewed By :Christian Giraldo 04/24/2023
Supervised By :Jagrut Upadhyay 04/24/2023



#90
Benzo(a)pyrene
Concen: 8.160 ng
RT: 23.700 min Scan# 3513
Delta R.T. 0.018 min
Lab File: BM039570.D
Acq: 22 Apr 2023 02:30

Tgt Ion:252 Resp: 372106
Ion Ratio Lower Upper
252 100
253 26.2 17.7 26.5
125 27.5 9.0 13.6





#92

Benzo(g,h,i)perylene

Concen: 5.039 ng

RT: 27.029 min Scan# 4079

Delta R.T. 0.041 min

Lab File: BM039570.D

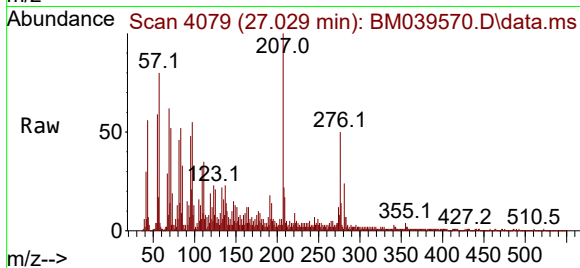
Acq: 22 Apr 2023 02:30

Instrument :

BNA_M

ClientSampleId :

VNJ-229



Tgt Ion: 276 Resp: 22958

Ion Ratio Lower Upper

276 100

277 27.8 19.1 28.7

138 29.0 18.8 28.2

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Reviewed By : Christian Giraldo 04/24/2023

Supervised By : Jagrut Upadhyay 04/24/2023

