

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044818.D
 Acq On : 29 Mar 2024 17:00
 Operator : MA/JU
 Sample : P1876-01 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TR-06-032624

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/30/2024
 Supervised By :mohammad ahmed 03/30/2024

Quant Time: Mar 29 17:40:01 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 29 01:24:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	86937	20.000	ng	0.00
21) Naphthalene-d8	10.445	136	310312	20.000	ng	#-0.01
39) Acenaphthene-d10	14.316	164	156130	20.000	ng	0.00
64) Phenanthrene-d10	17.069	188	294066	20.000	ng	-0.01
76) Chrysene-d12	21.268	240	311659	20.000	ng	-0.01
86) Perylene-d12	23.503	264	385326	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	304169	50.109	ng	0.00
7) Phenol-d6	6.846	99	383240	48.673	ng	-0.01
23) Nitrobenzene-d5	8.828	82	228151	33.144	ng	-0.01
42) 2,4,6-Tribromophenol	15.816	330	81850	47.975	ng	0.00
45) 2-Fluorobiphenyl	12.928	172	381032	31.257	ng	-0.01
79) Terphenyl-d14	19.715	244	499981	27.187	ng	0.00
Target Compounds					Qvalue	
31) Naphthalene	10.498	128	39270	2.304	ng	# 79
37) 2-Methylnaphthalene	12.116	142	58220	5.205	ng	92
38) 1-Methylnaphthalene	12.339	142	40953	3.928	ng	# 96
58) Fluorene	15.369	166	24445	2.275	ng	# 89
71) Phenanthrene	17.116	178	107992	6.583	ng	98
72) Anthracene	17.204	178	37543m	2.266	ng	
75) Fluoranthene	19.139	202	139166	8.498	ng	99
78) Pyrene	19.498	202	151586	6.104	ng	99
81) Benzo(a)anthracene	21.256	228	69450	3.197	ng	# 91
83) Chrysene	21.304	228	71185	3.419	ng	# 89
88) Benzo(b)fluoranthene	22.839	252	87082	3.988	ng	# 85
90) Benzo(a)pyrene	23.409	252	65008	2.934	ng	# 86

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

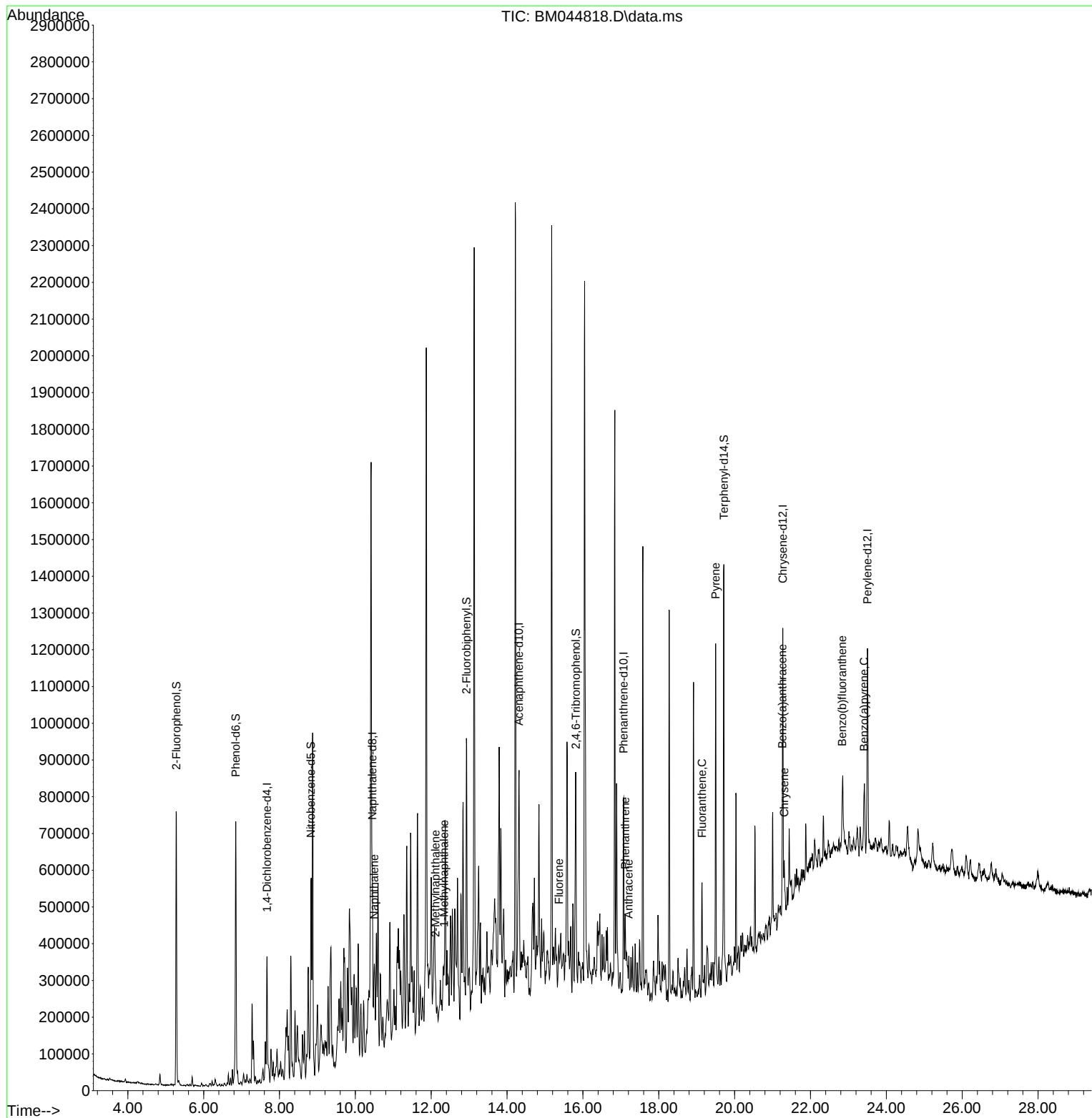
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Data File : BM044818.D
Acq On : 29 Mar 2024 17:00
Operator : MA/JU
Sample : P1876-01 2X
Misc :
ALS Vial : 3 Sample Multiplier: 1

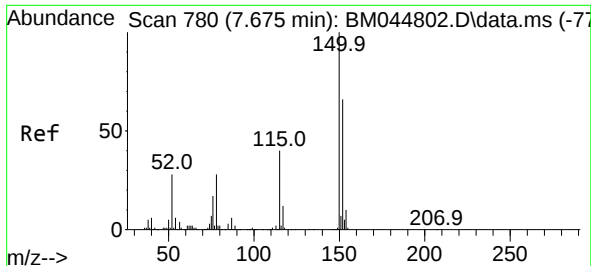
Instrument :
BNA_M
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TR-06-032624

Quant Time: Mar 29 17:40:01 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032824.M
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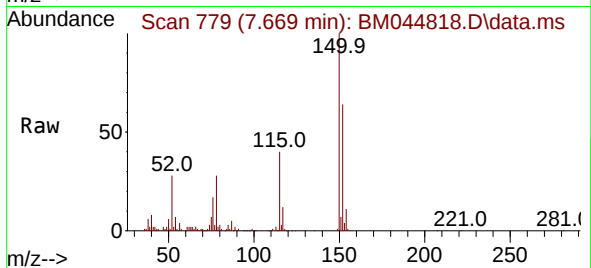
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

TR-06-032624



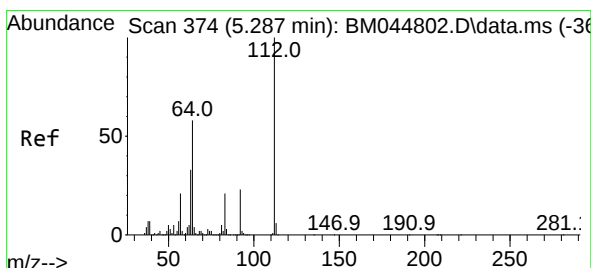
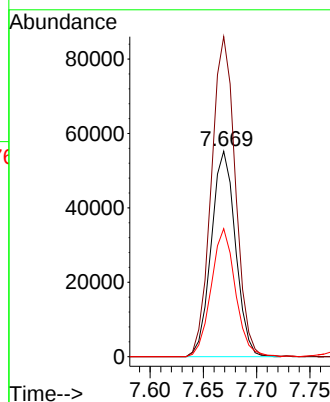
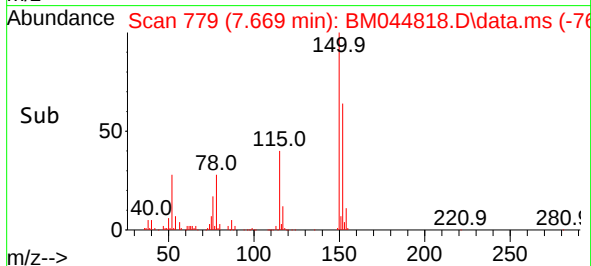
Tgt Ion:152 Resp: 8693
Ion Ratio Lower Upper
152 100
150 155.8 121.0 181.6
115 62.3 48.3 72.5

Manual Integrations

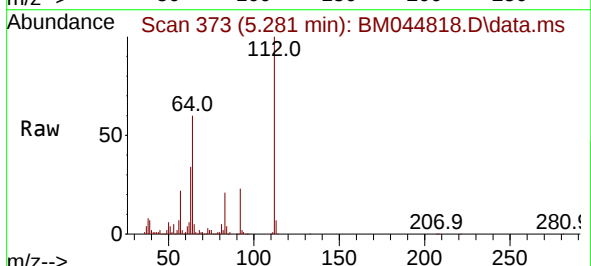
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Reviewed By :Yogesh Patel 03/30/2024

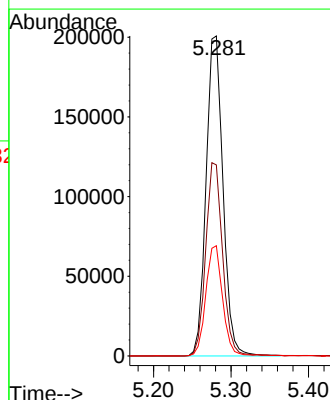
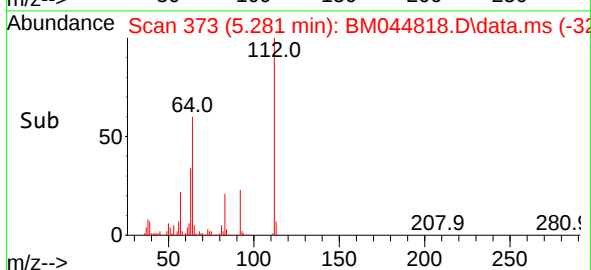
Supervised By :mohammad ahmed 03/30/2024

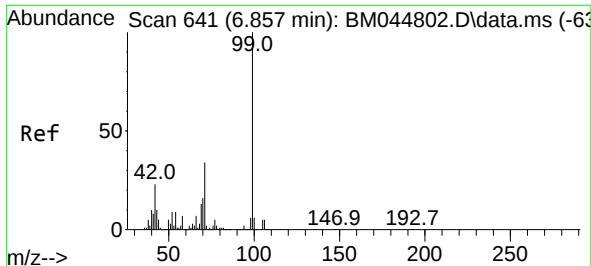


#5
2-Fluorophenol
Concen: 50.109 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00



Tgt Ion:112 Resp: 304169
Ion Ratio Lower Upper
112 100
64 59.7 46.4 69.6
63 34.4 26.2 39.4





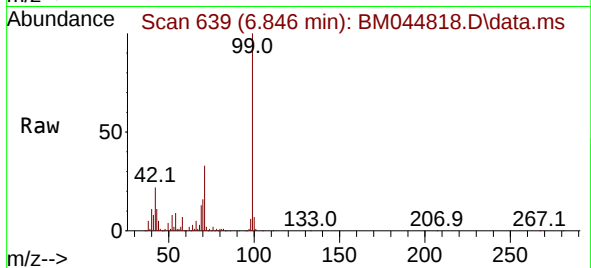
#7
Phenol-d6
Concen: 48.673 ng
RT: 6.846 min Scan# 61
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

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TR-06-032624



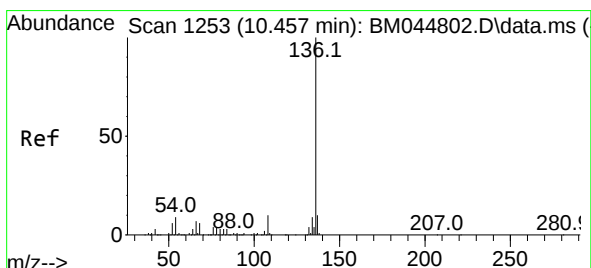
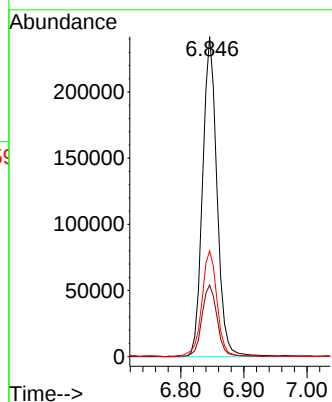
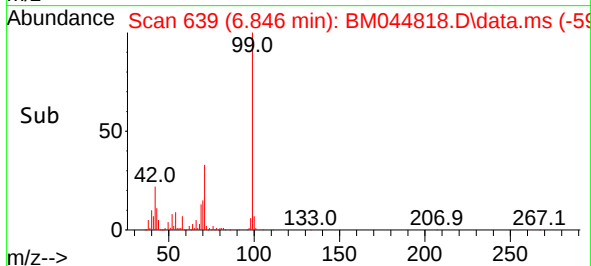
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Ion Ratio Lower Upper
99 100
42 22.4 18.2 27.4
71 33.0 27.3 40.9

Manual Integrations

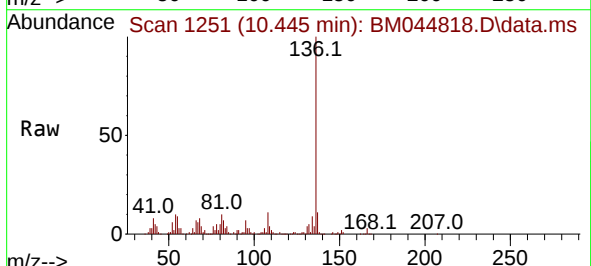
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Reviewed By :Yogesh Patel 03/30/2024

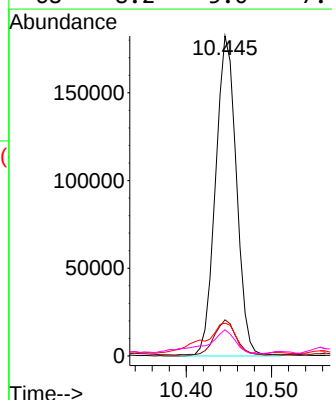
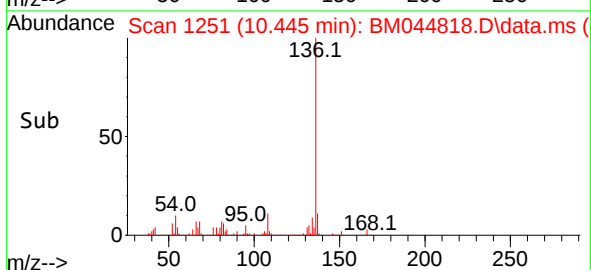
Supervised By :mohammad ahmed 03/30/2024

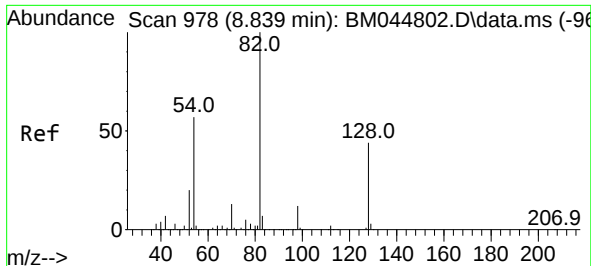


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.445 min Scan# 1251
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00



Tgt Ion:136 Resp: 310312
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 10.3 7.3 10.9
68 8.2 5.0 7.4#





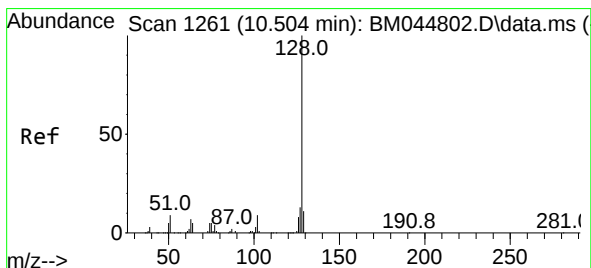
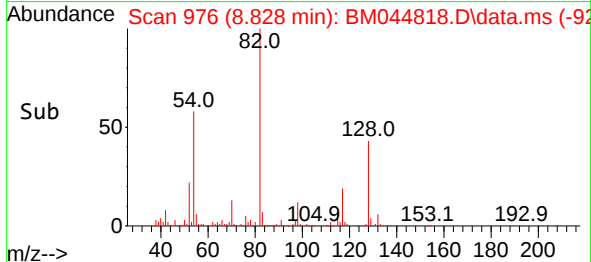
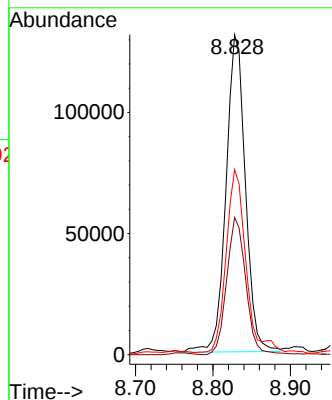
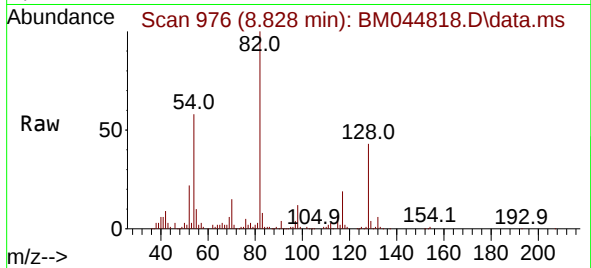
#23
Nitrobenzene-d5
Concen: 33.144 ng
RT: 8.828 min Scan# 91
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Instrument :
BNA_M
ClientSampleId :
TR-06-032624

Tgt Ion: 82 Resp: 22815
Ion Ratio Lower Upper
82 100
128 42.9 34.8 52.2
54 57.8 45.4 68.0

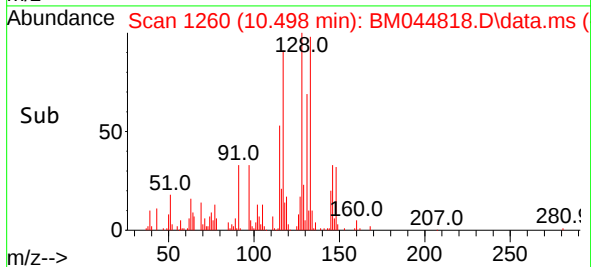
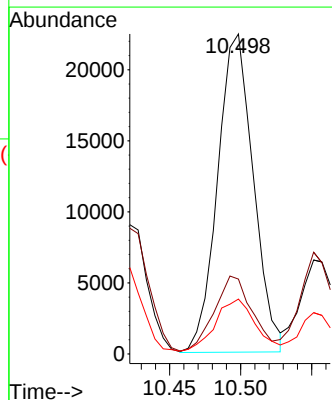
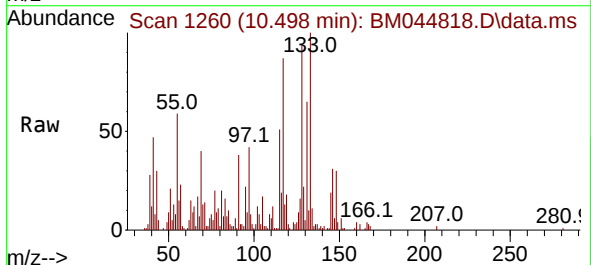
Manual Integrations
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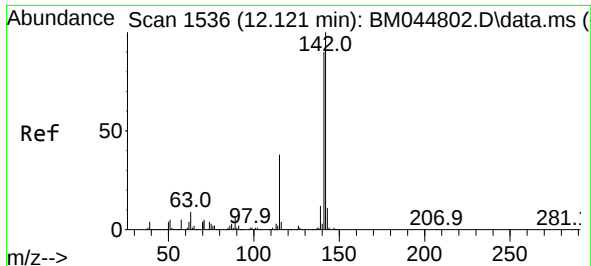
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024



#31
Naphthalene
Concen: 2.304 ng
RT: 10.498 min Scan# 1260
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

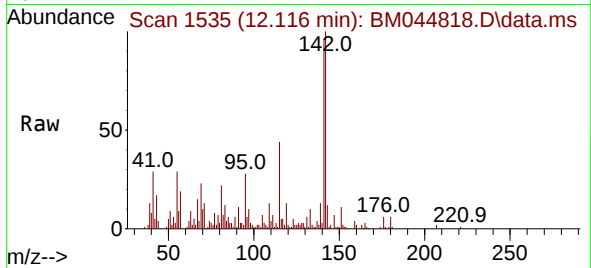
Tgt Ion:128 Resp: 39270
Ion Ratio Lower Upper
128 100
129 23.4 8.8 13.2#
127 17.2 10.1 15.1#





#37
2-Methylnaphthalene
Concen: 5.205 ng
RT: 12.116 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

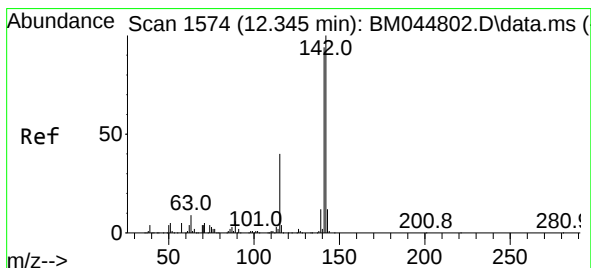
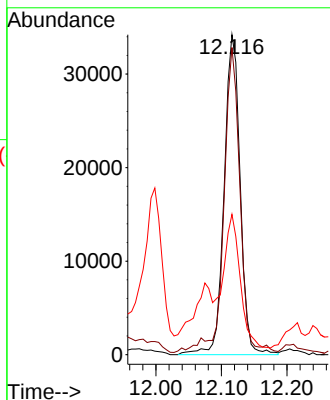
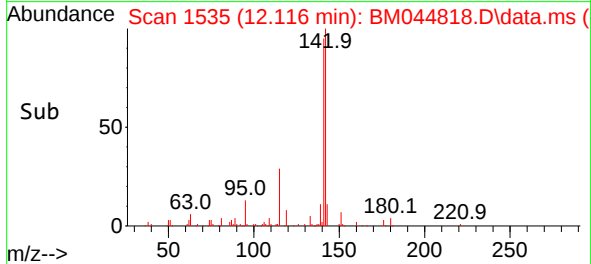
Instrument :
BNA_M
ClientSampleId :
TR-06-032624



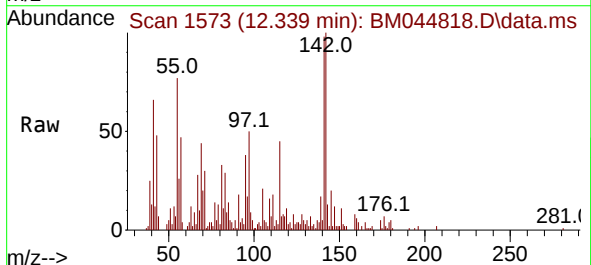
Tgt Ion:142 Resp: 58220
Ion Ratio Lower Upper
142 100
141 96.0 71.7 107.5
115 43.9 30.3 45.5

Manual Integrations
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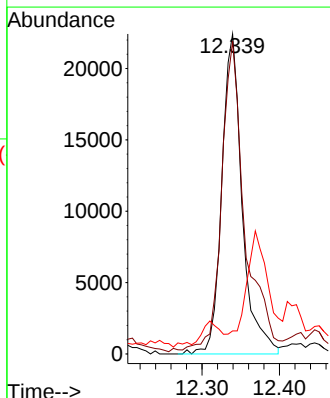
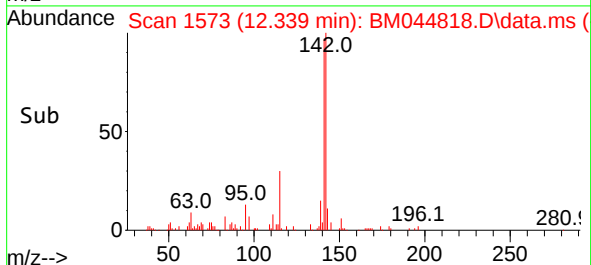
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024

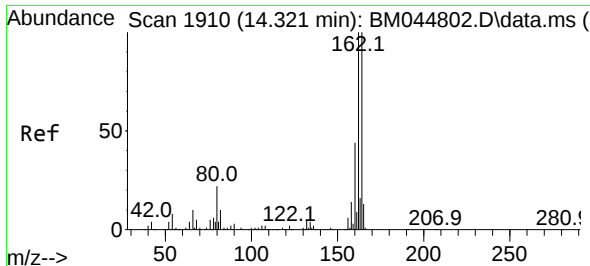


#38
1-Methylnaphthalene
Concen: 3.928 ng
RT: 12.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00



Tgt Ion:142 Resp: 40953
Ion Ratio Lower Upper
142 100
141 97.7 75.6 113.4
116 7.2 3.3 4.9#





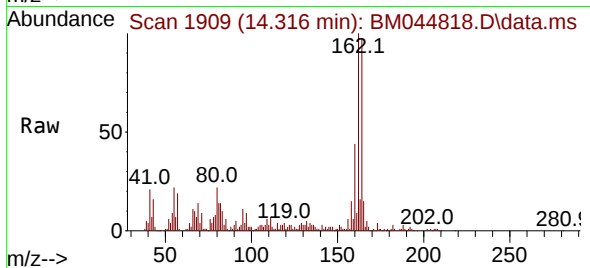
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.316 min Scan# 1910
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

TR-06-032624

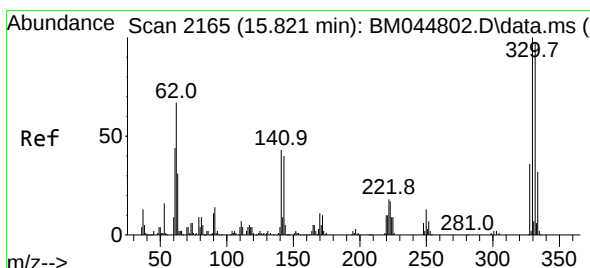
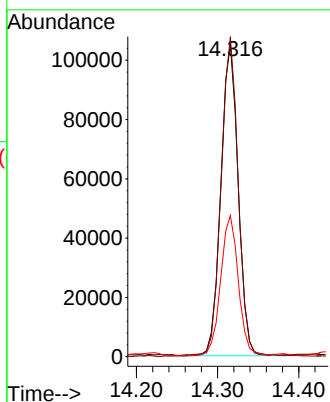
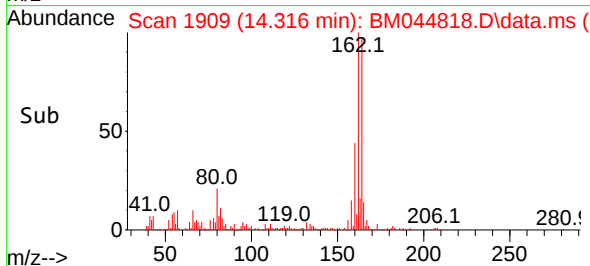


Tgt Ion:164 Resp: 156130
Ion Ratio Lower Upper
164 100
162 102.7 80.2 120.4
160 45.3 35.4 53.2

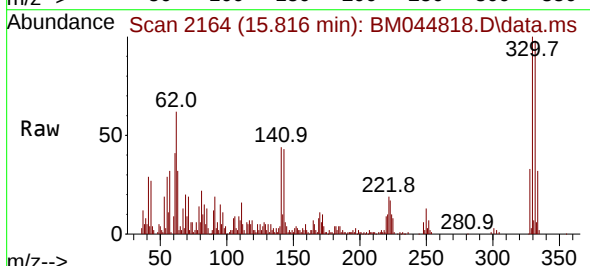
Manual Integrations

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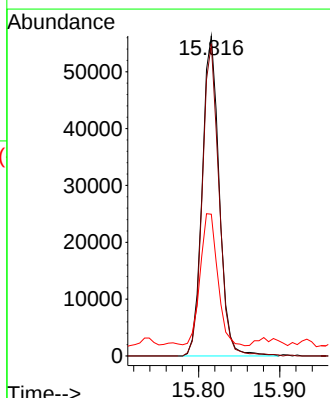
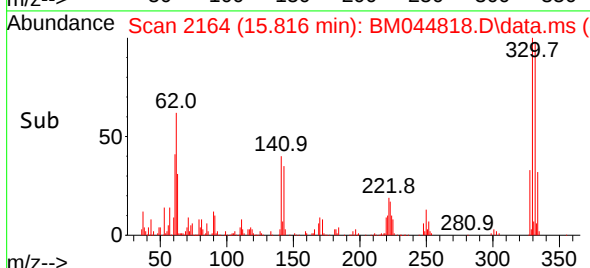
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024

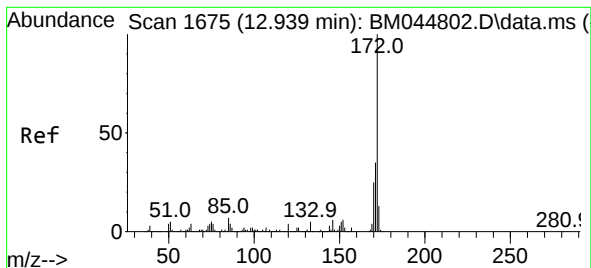


#42
2,4,6-Tribromophenol
Concen: 47.975 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00



Tgt Ion:330 Resp: 81850
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.4
141 42.3 34.1 51.1





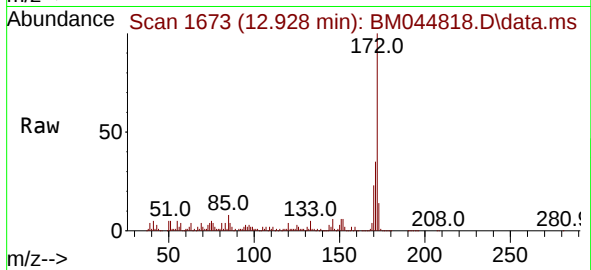
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2-Fluorobiphenyl
Concen: 31.257 ng
RT: 12.928 min Scan# 1
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Instrument :

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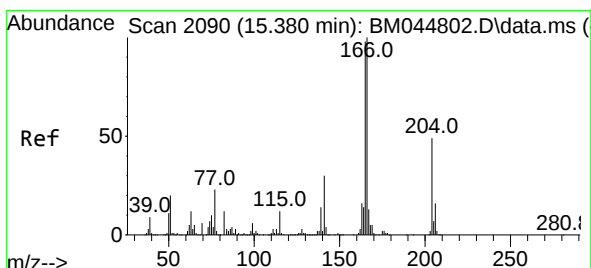
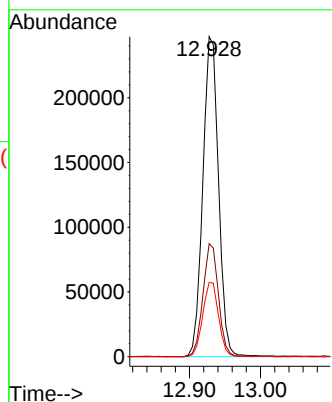
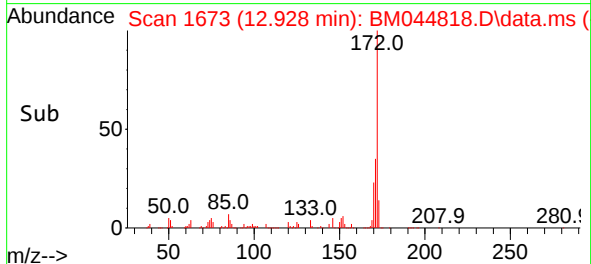
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Ion Ratio Lower Upper
172 100
171 35.3 27.8 41.8
170 23.2 19.8 29.6

Manual Integrations

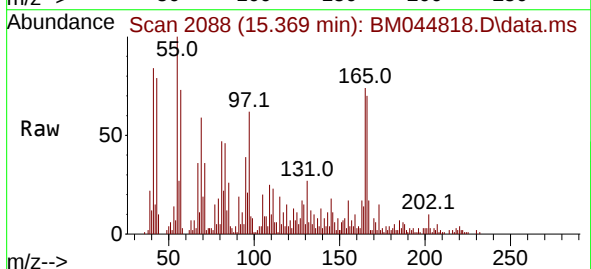
APPROVED

Reviewed By :Yogesh Patel 03/30/2024

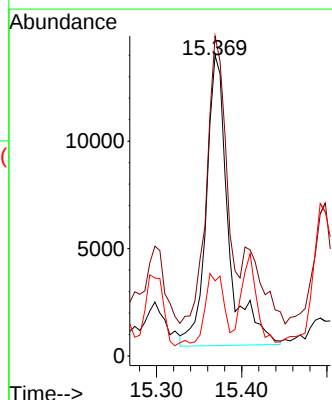
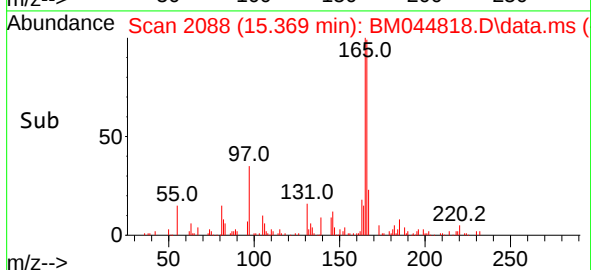
Supervised By :mohammad ahmed 03/30/2024

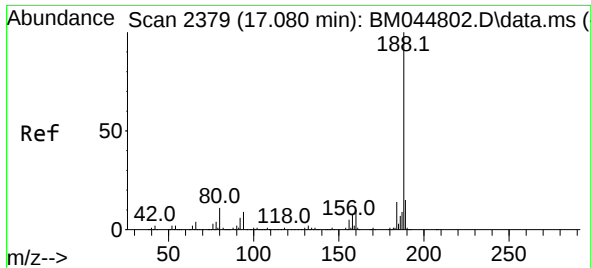


#58
Fluorene
Concen: 2.275 ng
RT: 15.369 min Scan# 2088
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00



Tgt Ion:166 Resp: 24445
Ion Ratio Lower Upper
166 100
165 106.4 78.6 117.8
167 25.0 10.8 16.2#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.069 min Scan# 21
Delta R.T. -0.011 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

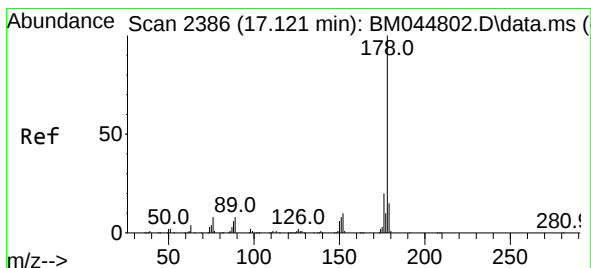
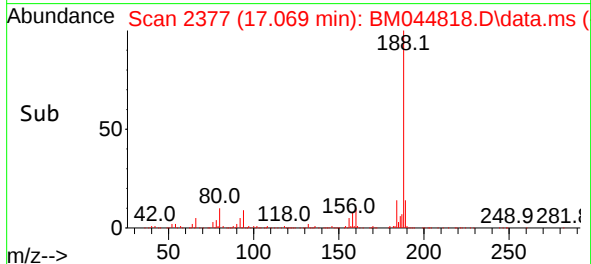
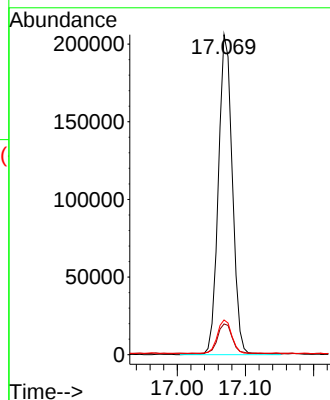
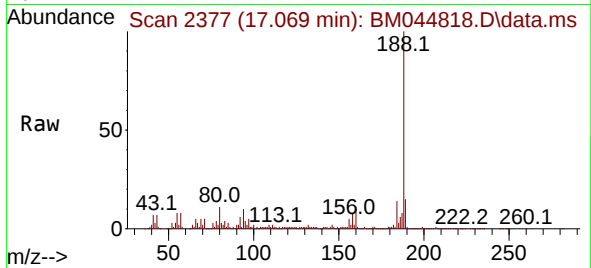
TR-06-032624

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Ion Ratio Lower Upper
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94 9.6 7.4 11.0
80 10.8 8.6 12.8

Manual Integrations

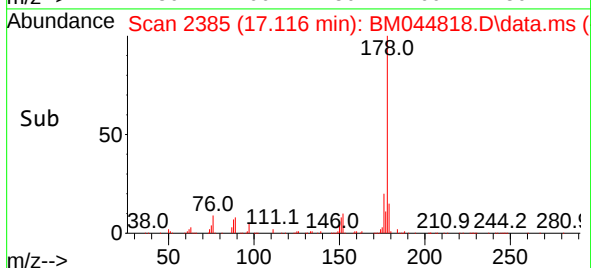
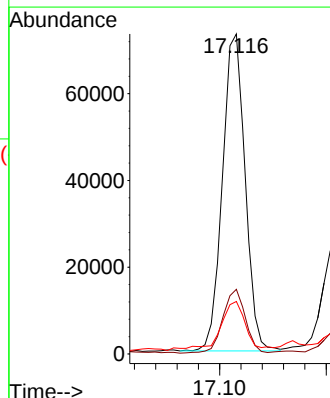
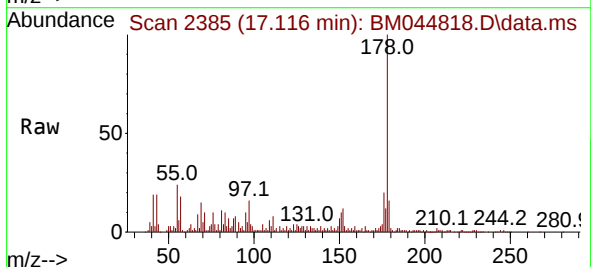
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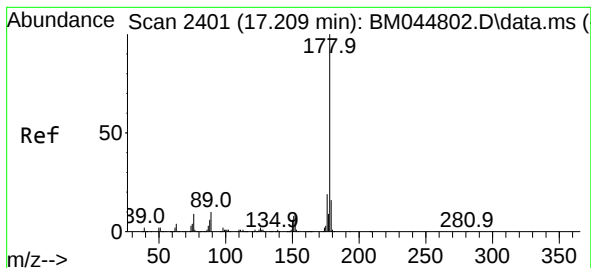
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024



#71
Phenanthrene
Concen: 6.583 ng
RT: 17.116 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM044818.D
Acq: 29 Mar 2024 17:00

Tgt Ion:178 Resp: 107992
Ion Ratio Lower Upper
178 100
176 20.2 16.0 24.0
179 16.4 12.2 18.2





#72

Anthracene

Concen: 2.266 ng m

RT: 17.204 min Scan# 2401

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

TR-06-032624

Tgt Ion:178 Resp: 3754

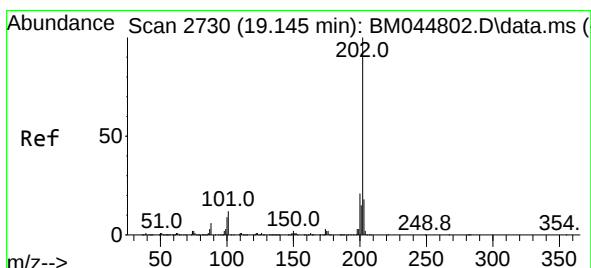
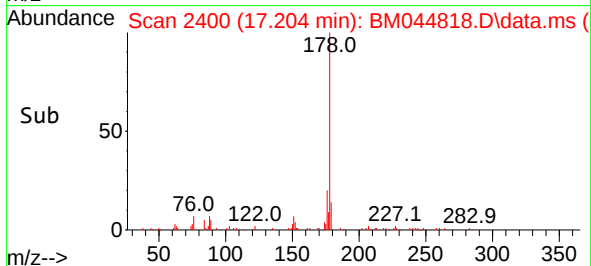
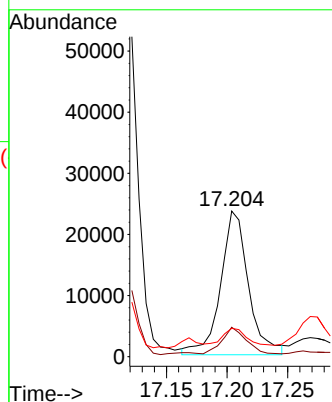
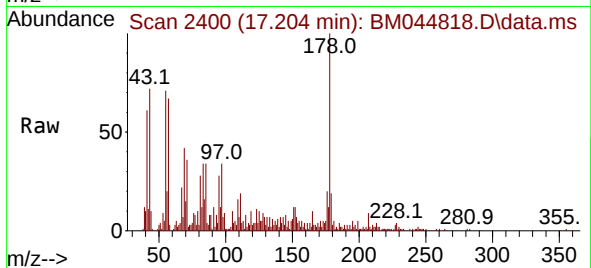
Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.0
179	19.4	12.8	19.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#75

Fluoranthene

Concen: 8.498 ng

RT: 19.139 min Scan# 2729

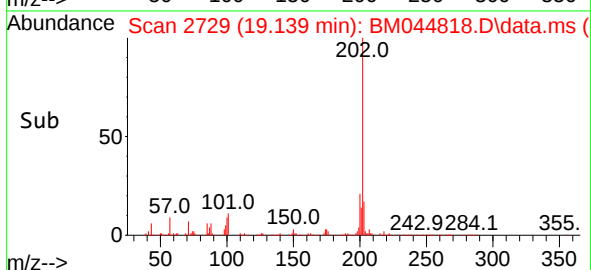
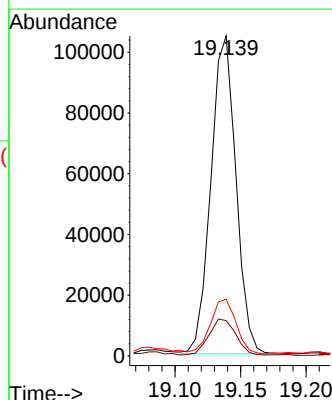
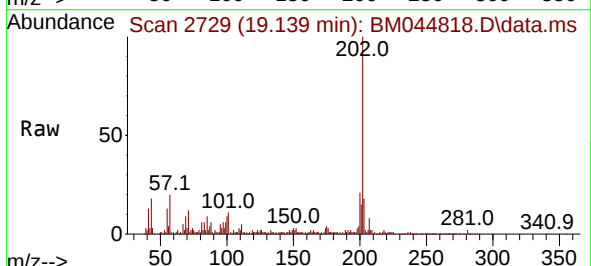
Delta R.T. -0.006 min

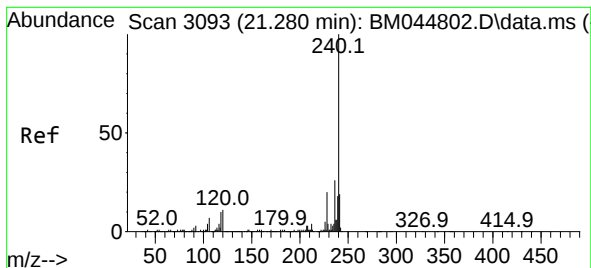
Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Tgt Ion:202 Resp: 139166

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.2
203	17.8	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.268 min Scan# 3091

Delta R.T. -0.011 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

TR-06-032624

Tgt Ion:240 Resp: 311659

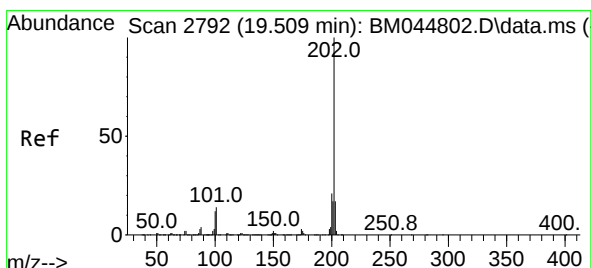
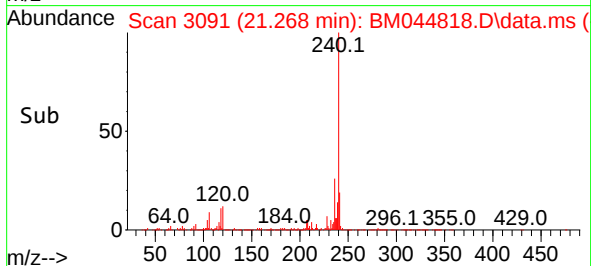
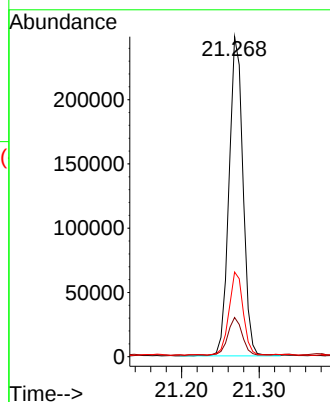
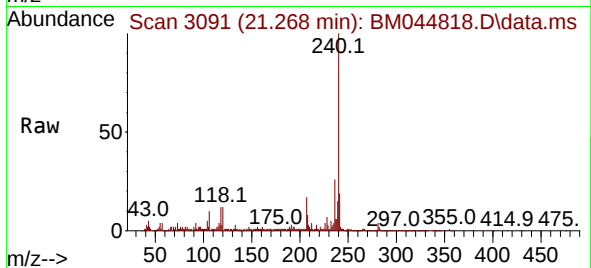
Ion	Ratio	Lower	Upper
240	100		
120	12.3	8.6	12.8
236	26.4	20.8	31.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#78

Pyrene

Concen: 6.104 ng

RT: 19.498 min Scan# 2790

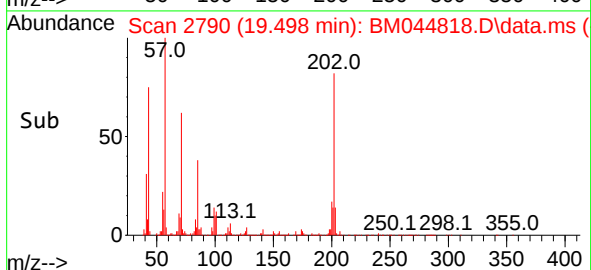
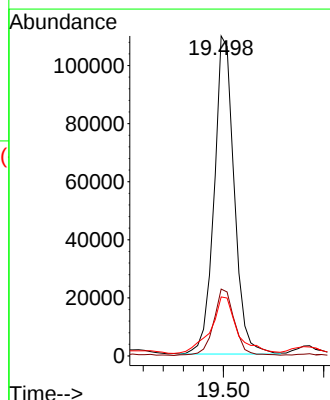
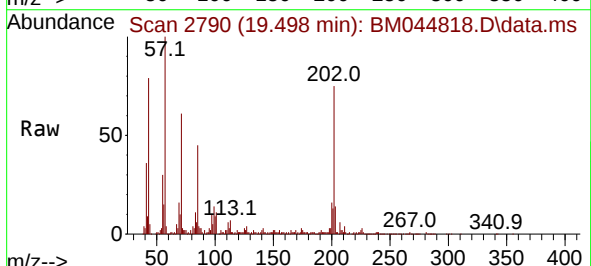
Delta R.T. -0.011 min

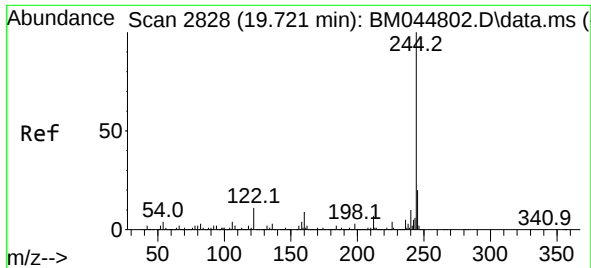
Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Tgt Ion:202 Resp: 151586

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	18.5	13.9	20.9





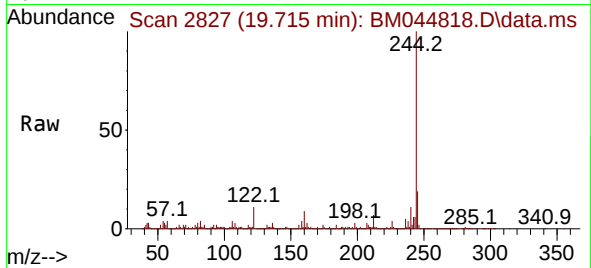
#79
 Terphenyl-d14
 Concen: 27.187 ng
 RT: 19.715 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM044818.D
 Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

TR-06-032624



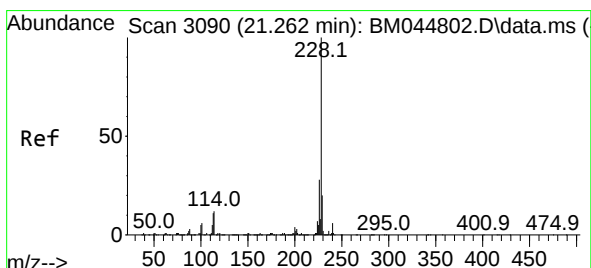
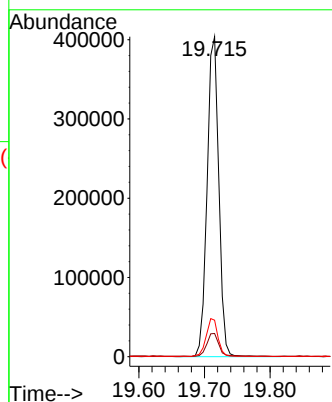
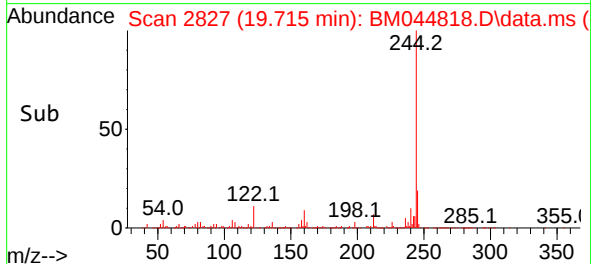
Tgt Ion:244 Resp: 49998
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.4 8.8 13.2

Manual Integrations

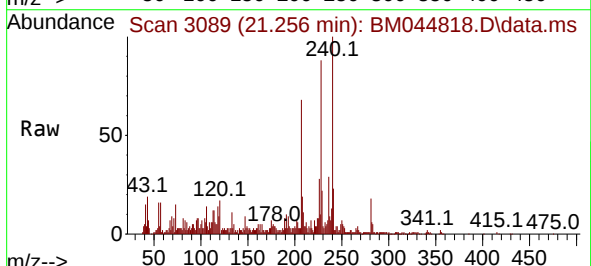
APPROVED

Reviewed By :Yogesh Patel 03/30/2024

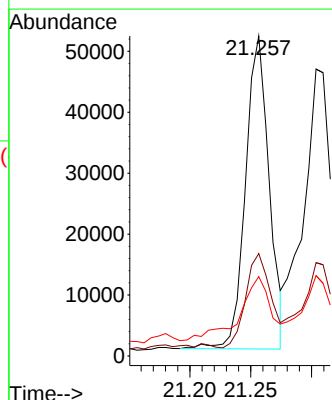
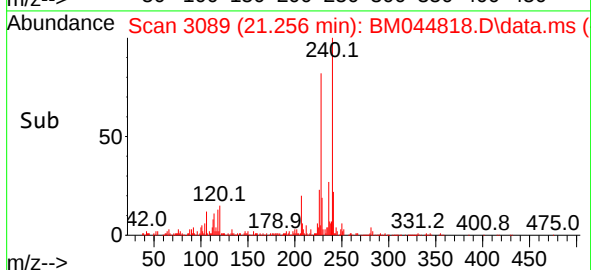
Supervised By :mohammad ahmed 03/30/2024

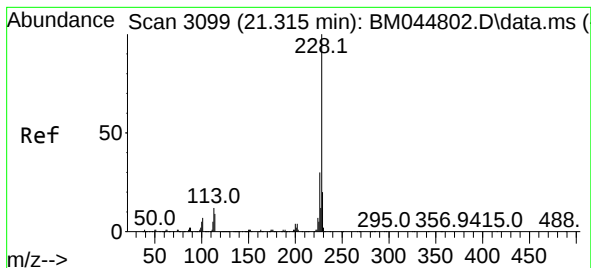


#81
 Benzo(a)anthracene
 Concen: 3.197 ng
 RT: 21.256 min Scan# 3089
 Delta R.T. -0.006 min
 Lab File: BM044818.D
 Acq: 29 Mar 2024 17:00



Tgt Ion:228 Resp: 69450
 Ion Ratio Lower Upper
 228 100
 226 32.0 22.1 33.1
 229 24.8 15.8 23.8#





#83

Chrysene

Concen: 3.419 ng

RT: 21.304 min Scan# 3099

Delta R.T. -0.011 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

TR-06-032624

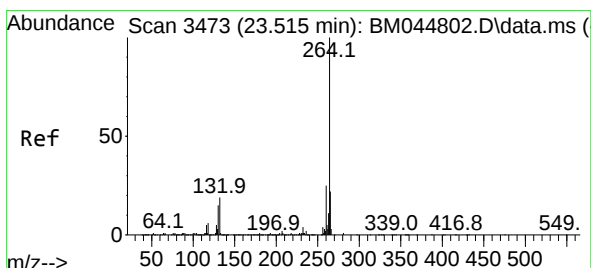
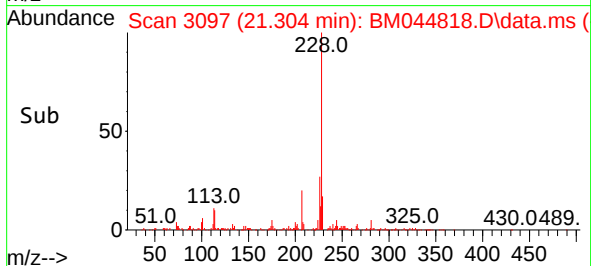
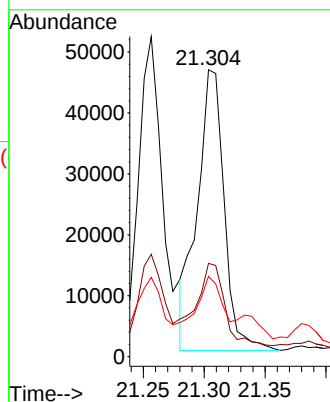
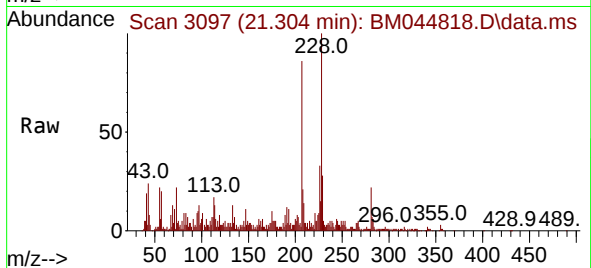
Tgt Ion:	228	Resp:	7118
Ion Ratio	Lower	Upper	
228	100		
226	32.5	23.7	35.5
229	28.0	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#86

Perylene-d12

Concen: 20.000 ng

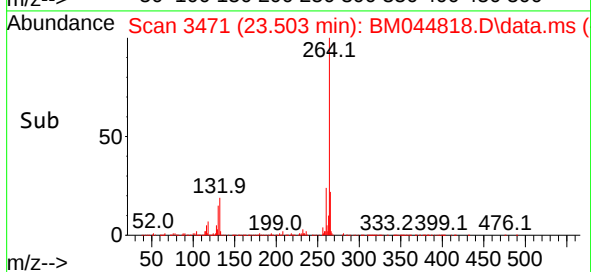
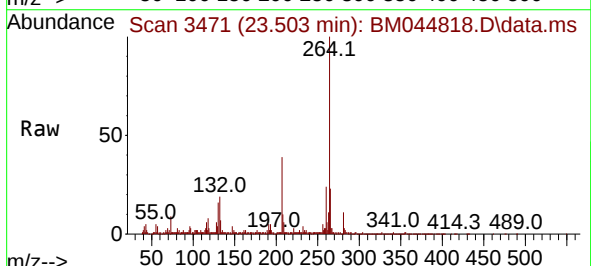
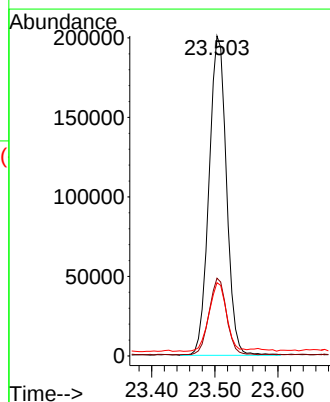
RT: 23.503 min Scan# 3471

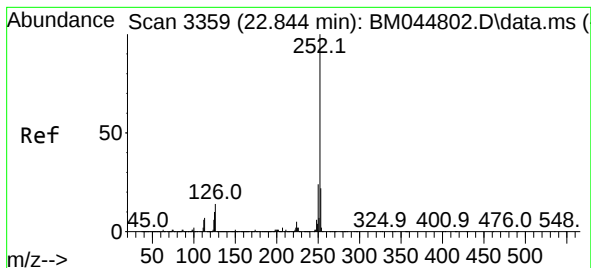
Delta R.T. -0.011 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Tgt Ion:	264	Resp:	385326
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.7	29.5
265	22.9	18.9	28.3





#88

Benzo(b)fluoranthene

Concen: 3.988 ng

RT: 22.839 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Instrument :

BNA_M

ClientSampleId :

TR-06-032624

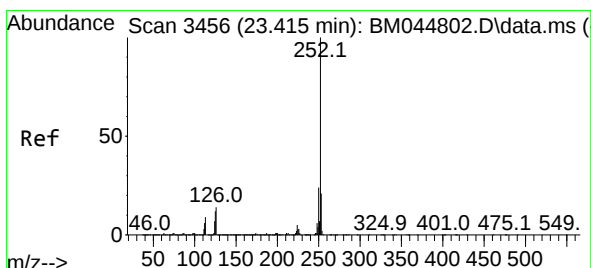
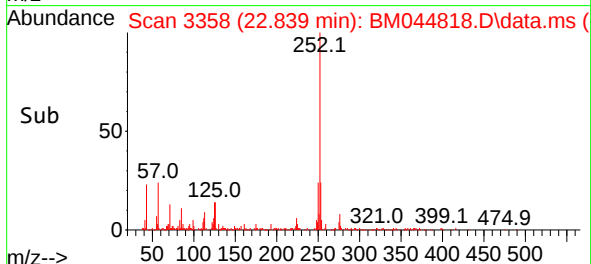
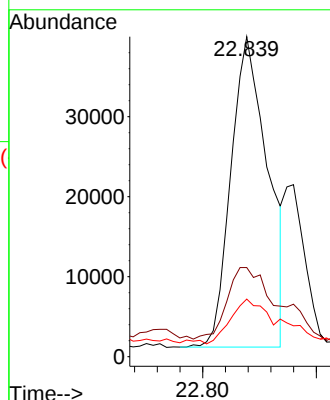
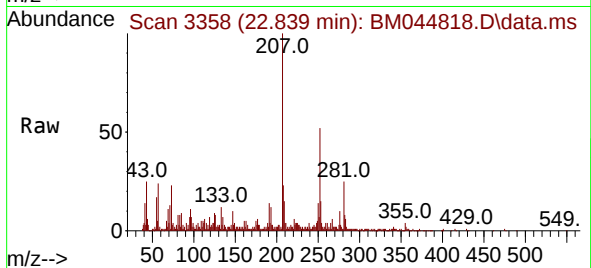
Tgt Ion:252 Resp: 8708
 Ion Ratio Lower Upper
 252 100
 253 27.8 17.5 26.3
 125 18.0 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#90

Benzo(a)pyrene

Concen: 2.934 ng

RT: 23.409 min Scan# 3455

Delta R.T. -0.006 min

Lab File: BM044818.D

Acq: 29 Mar 2024 17:00

Tgt Ion:252 Resp: 65008
 Ion Ratio Lower Upper
 252 100
 253 27.8 17.3 25.9#
 125 18.0 9.8 14.8#

