

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044820.D
 Acq On : 29 Mar 2024 18:14
 Operator : MA/JU
 Sample : P1879-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 HS-04(0-6)

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 18:53:38 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	130348	20.000	ng	0.00
21) Naphthalene-d8	10.445	136	507611	20.000	ng	-0.01
39) Acenaphthene-d10	14.316	164	279776	20.000	ng	0.00
64) Phenanthrene-d10	17.074	188	448949	20.000	ng	0.00
76) Chrysene-d12	21.268	240	317200	20.000	ng	-0.01
86) Perylene-d12	23.503	264	379462	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.287	112	1248369	137.164	ng	0.00
7) Phenol-d6	6.857	99	1593161	134.951	ng	0.00
23) Nitrobenzene-d5	8.834	82	979110	86.953	ng	0.00
42) 2,4,6-Tribromophenol	15.816	330	428087	140.023	ng	0.00
45) 2-Fluorobiphenyl	12.933	172	1844399	84.434	ng	0.00
79) Terphenyl-d14	19.715	244	1573525	84.069	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.115	178	168355	6.722	ng	99
75) Fluoranthene	19.139	202	223457	8.938	ng	98
78) Pyrene	19.504	202	253384	10.025	ng	99
81) Benzo(a)anthracene	21.256	228	129915	5.876	ng	94
83) Chrysene	21.309	228	120304	5.677	ng	98
84) Bis(2-ethylhexyl)phtha...	21.198	149	65663	5.240	ng	98
87) Indeno(1,2,3-cd)pyrene	25.756	276	100204	3.476	ng	95
88) Benzo(b)fluoranthene	22.839	252	172978m	8.044	ng	
89) Benzo(k)fluoranthene	22.874	252	51669m	2.393	ng	
90) Benzo(a)pyrene	23.409	252	136833	6.270	ng	94
92) Benzo(g,h,i)perylene	26.444	276	111544	4.491	ng	97

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

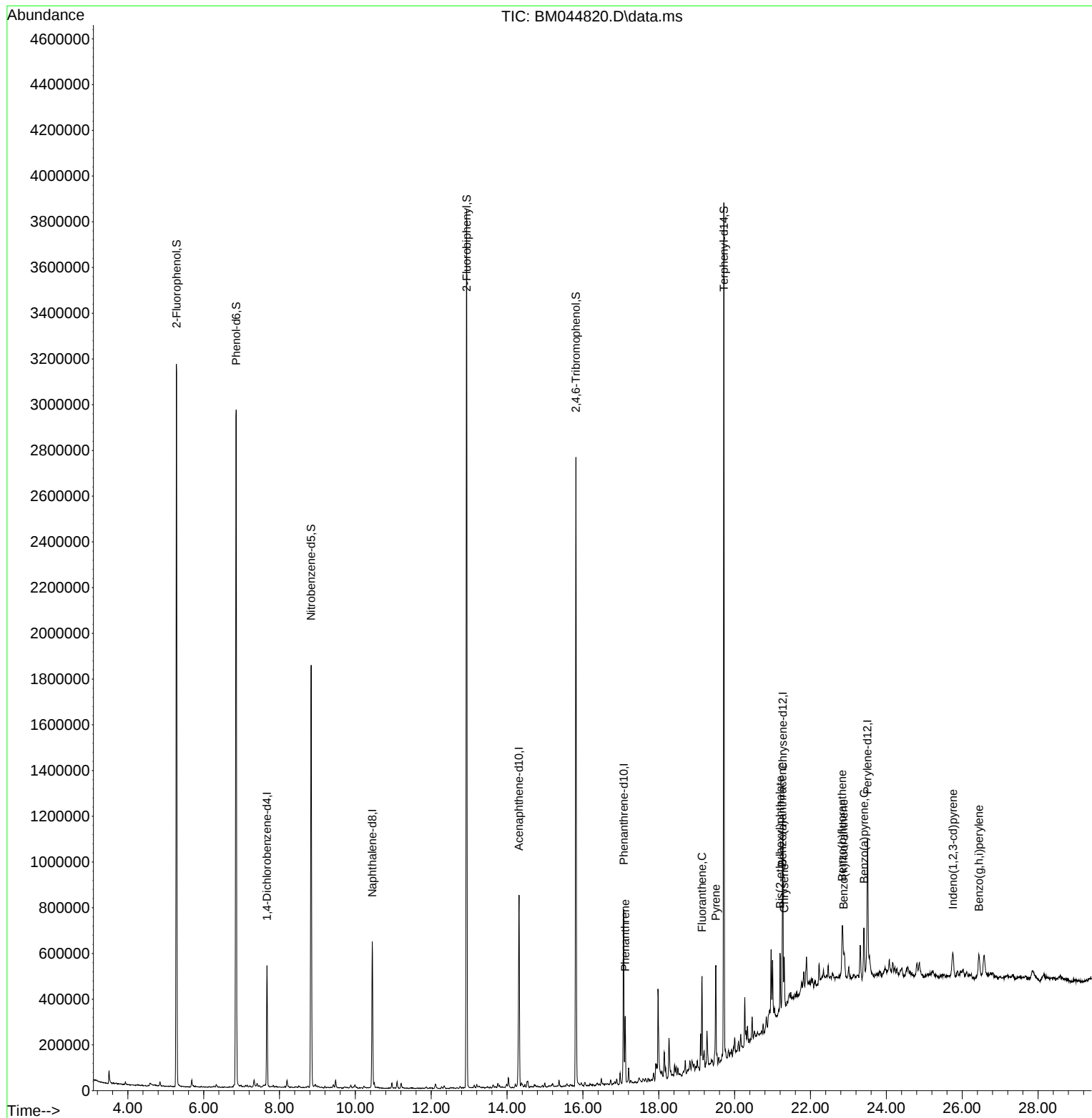
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
Data File : BM044820.D
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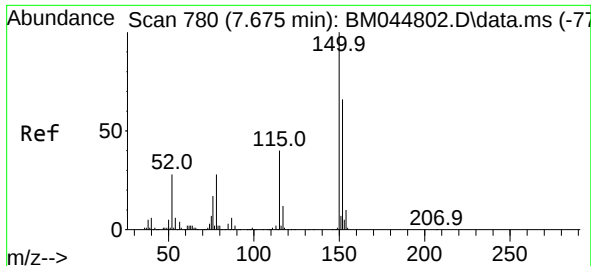
Instrument :
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Quant Time: Mar 29 18:53:38 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032824.M
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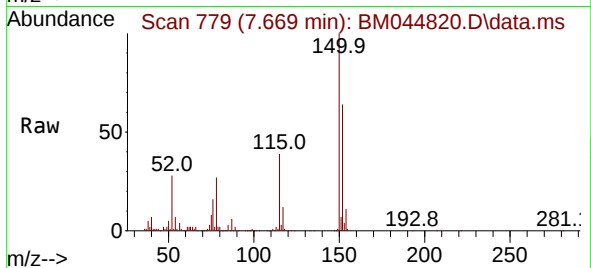
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

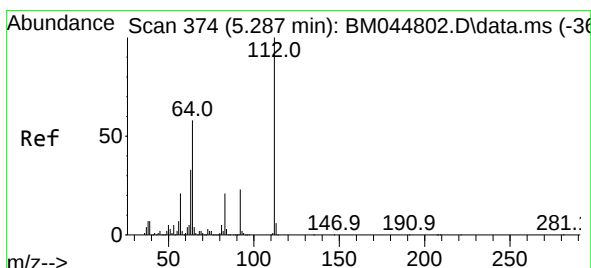
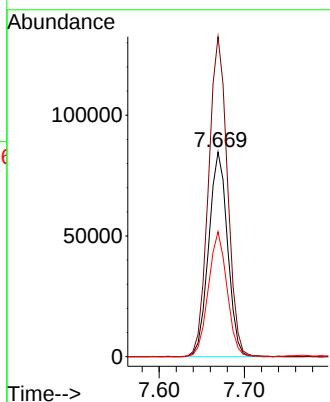
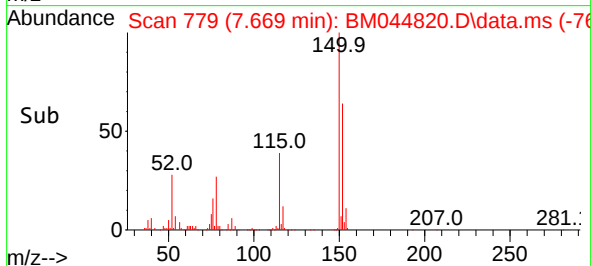
Instrument :
BNA_M
ClientSampleId :
HS-04(0-6)



Tgt Ion:152 Resp: 130348
Ion Ratio Lower Upper
152 100
150 156.4 121.0 181.6
115 61.1 48.3 72.5

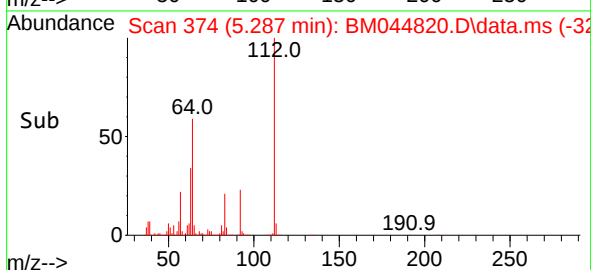
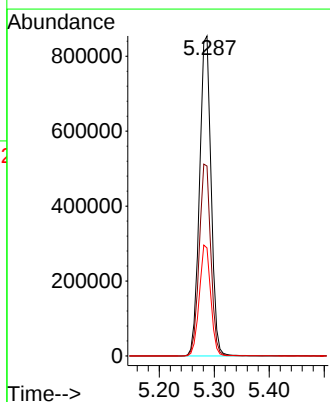
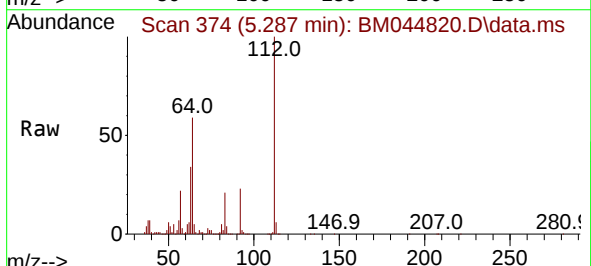
Manual Integrations
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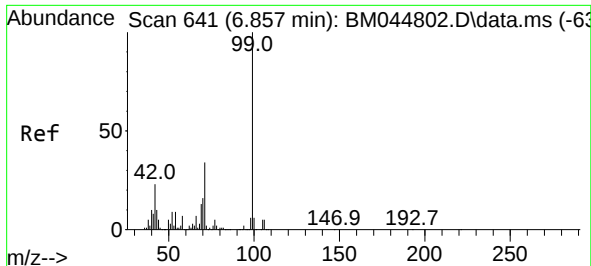
Reviewed By :Yogesh Patel 03/30/2024
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#5
2-Fluorophenol
Concen: 137.164 ng
RT: 5.287 min Scan# 374
Delta R.T. 0.000 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

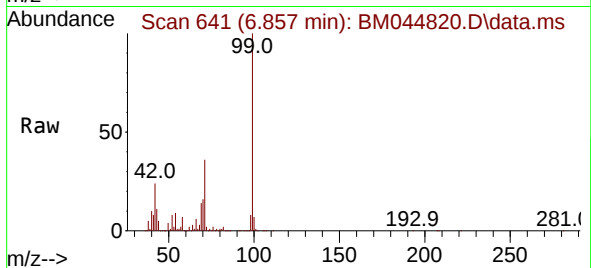
Tgt Ion:112 Resp: 1248369
Ion Ratio Lower Upper
112 100
64 59.3 46.4 69.6
63 33.8 26.2 39.4





#7
Phenol-d6
Concen: 134.951 ng
RT: 6.857 min Scan# 641
Delta R.T. 0.000 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

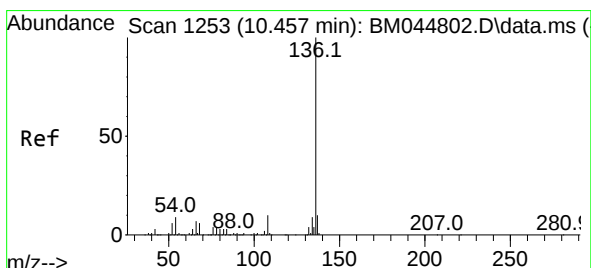
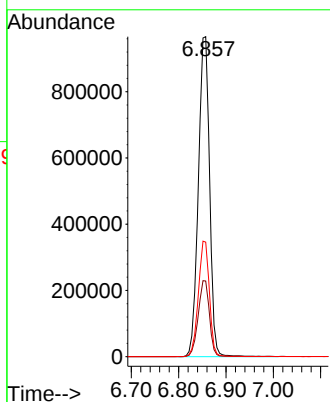
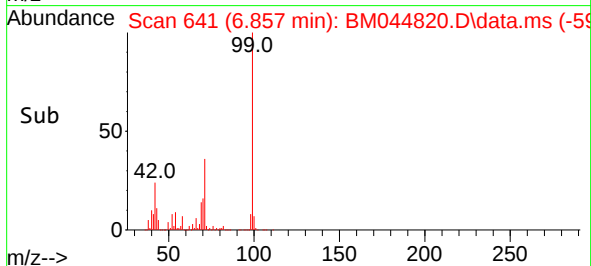
Instrument :
BNA_M
ClientSampleId :
HS-04(0-6)



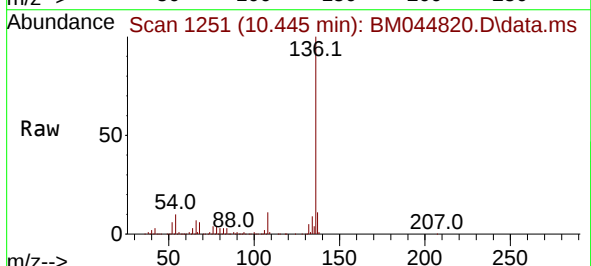
Tgt Ion: 99 Resp: 159316
Ion Ratio Lower Upper
99 100
42 23.6 18.2 27.4
71 35.8 27.3 40.9

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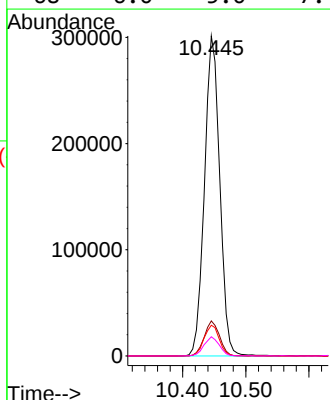
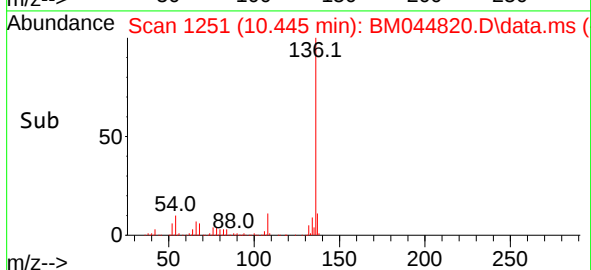
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024

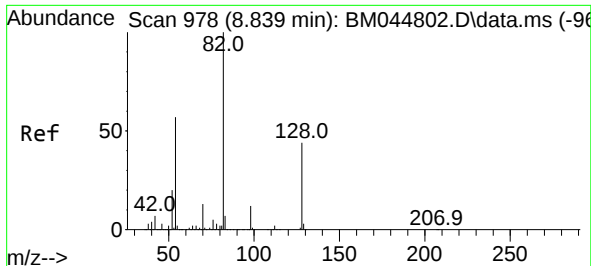


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.445 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14



Tgt Ion:136 Resp: 507611
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 9.6 7.3 10.9
68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 86.953 ng

RT: 8.834 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

HS-04(0-6)

Tgt Ion: 82 Resp: 979110

Ion Ratio Lower Upper

82 100

128 43.2 34.8 52.2

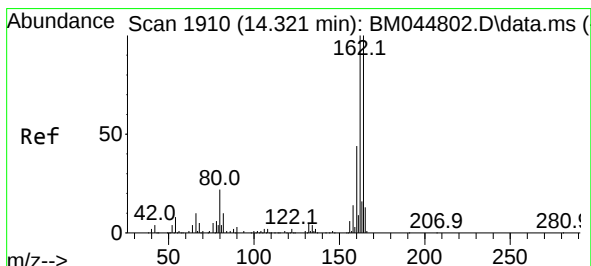
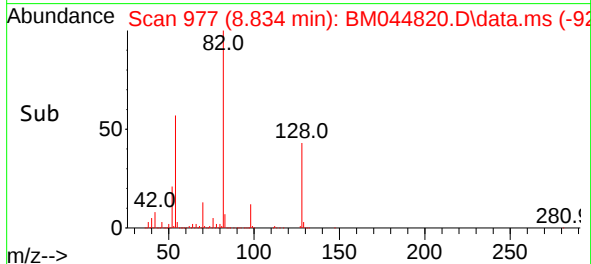
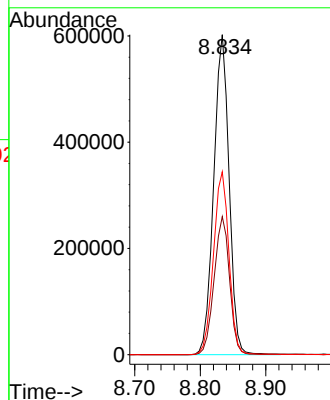
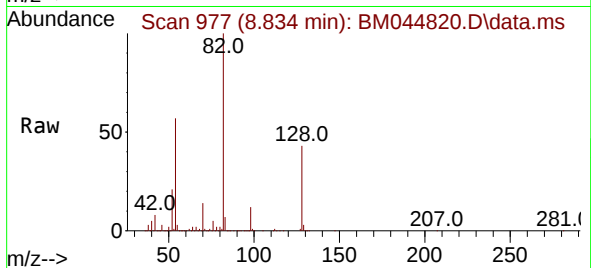
54 57.2 45.4 68.0

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.316 min Scan# 1909

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

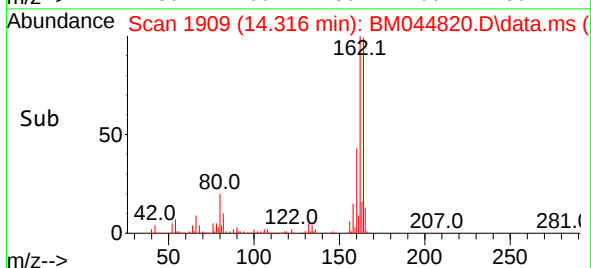
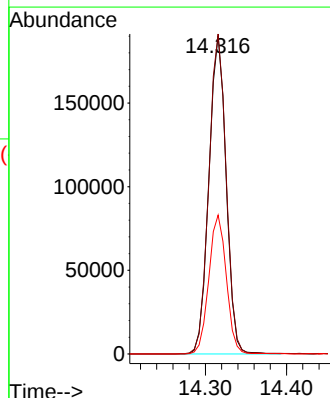
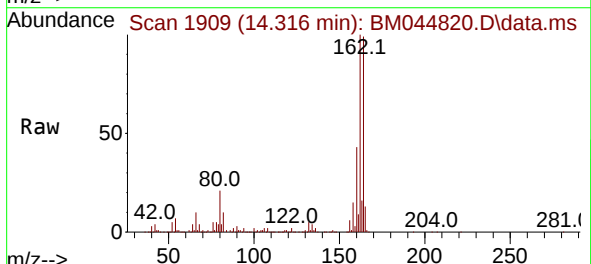
Tgt Ion:164 Resp: 279776

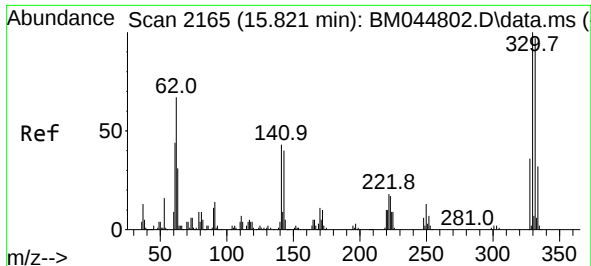
Ion Ratio Lower Upper

164 100

162 100.6 80.2 120.4

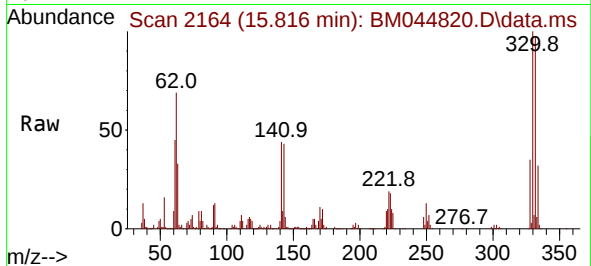
160 43.7 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 140.023 ng
RT: 15.816 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

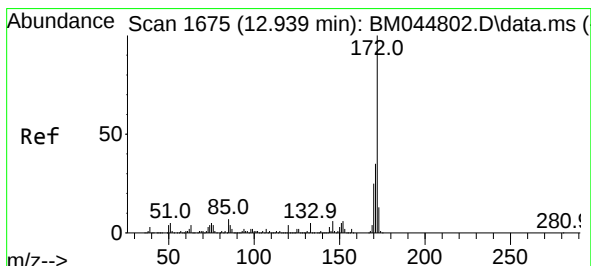
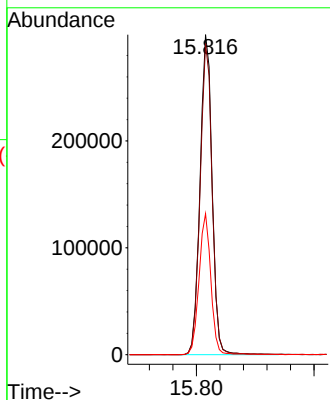
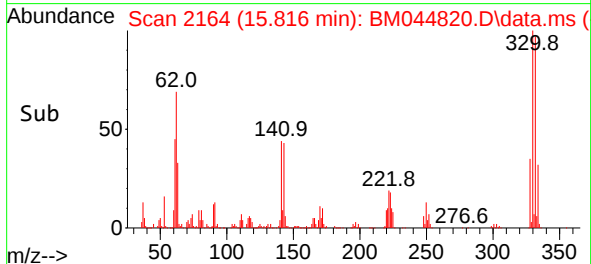
Instrument :
BNA_M
ClientSampleId :
HS-04(0-6)



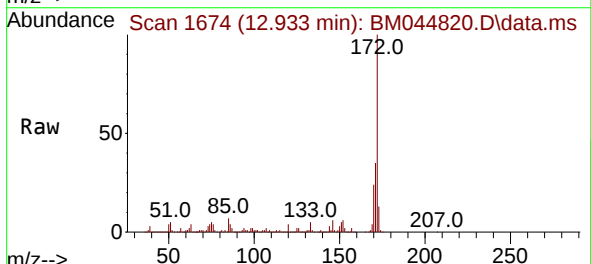
Tgt Ion:330 Resp: 42808
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.4
141 42.9 34.1 51.1

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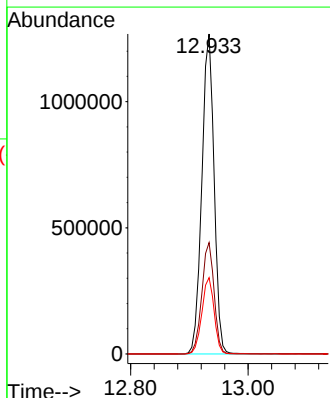
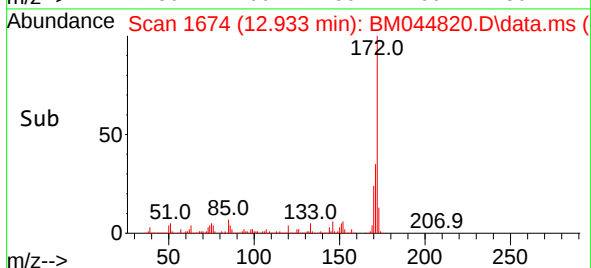
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024

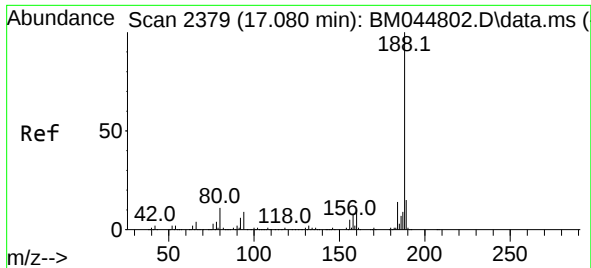


#45
2-Fluorobiphenyl
Concen: 84.434 ng
RT: 12.933 min Scan# 1674
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14



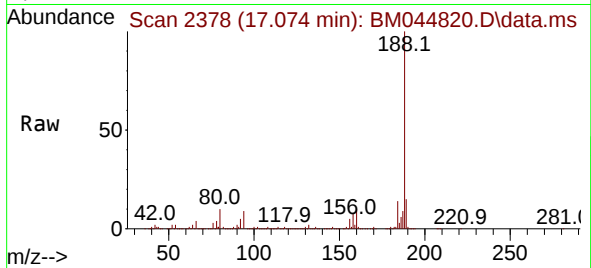
Tgt Ion:172 Resp: 1844399
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 23.9 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

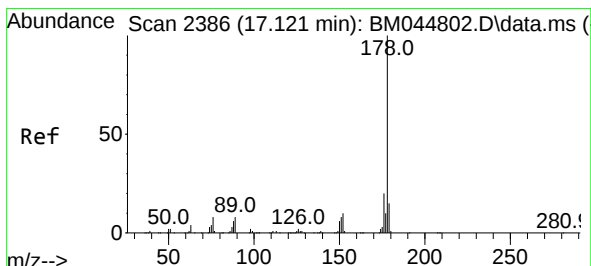
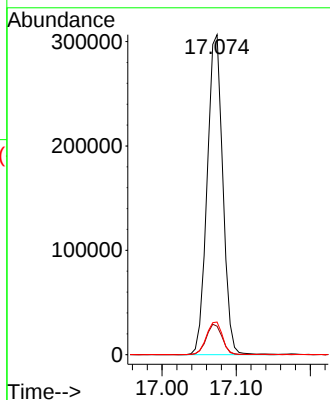
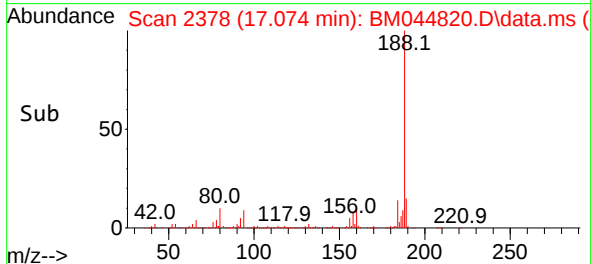
Instrument :
BNA_M
ClientSampleId :
HS-04(0-6)



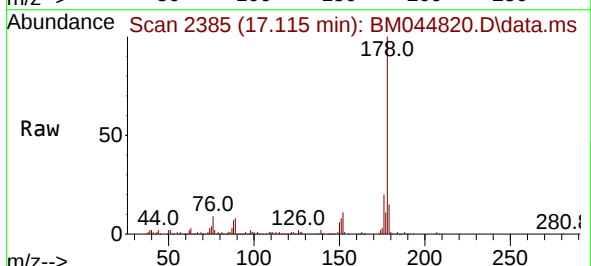
Tgt Ion:188 Resp: 448949
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.0
80 10.2 8.6 12.8

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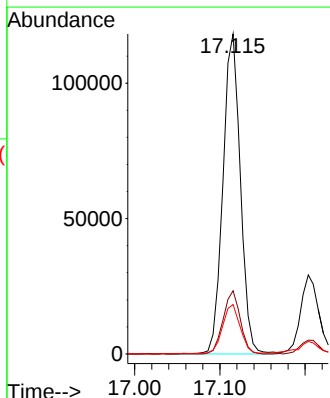
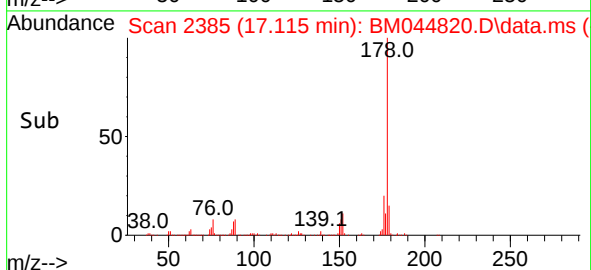
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024

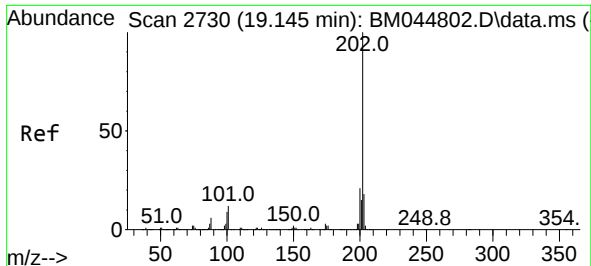


#71
Phenanthrene
Concen: 6.722 ng
RT: 17.115 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14



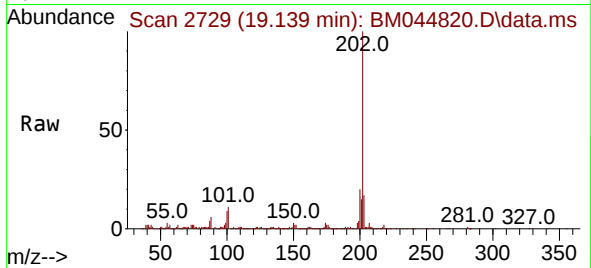
Tgt Ion:178 Resp: 168355
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.5 12.2 18.2





#75
Fluoranthene
Concen: 8.938 ng
RT: 19.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

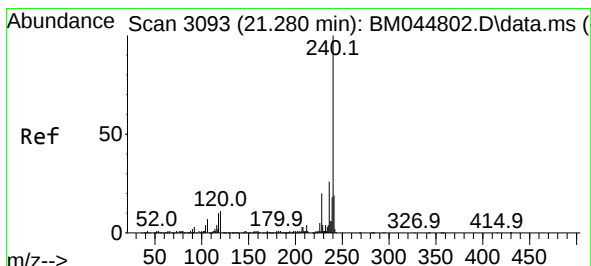
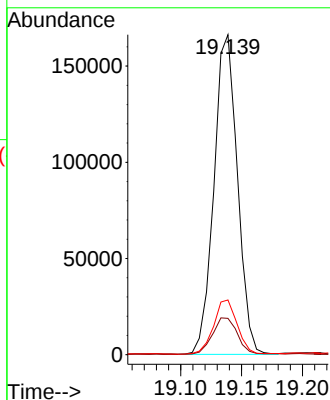
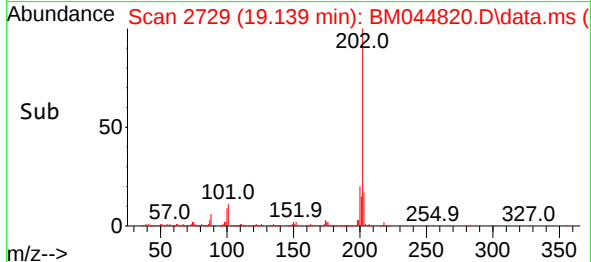
Instrument :
BNA_M
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HS-04(0-6)



Tgt Ion:202 Resp: 22345
Ion Ratio Lower Upper
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101 11.3 0.0 32.2
203 17.1 0.0 37.6

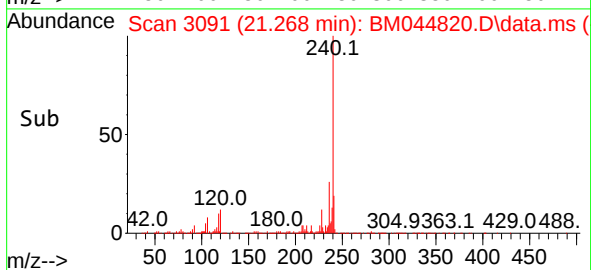
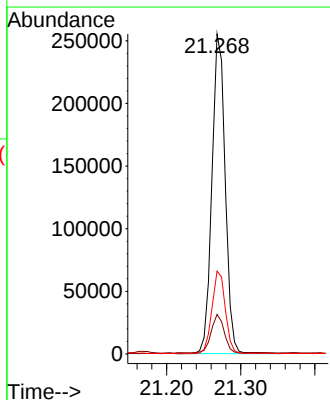
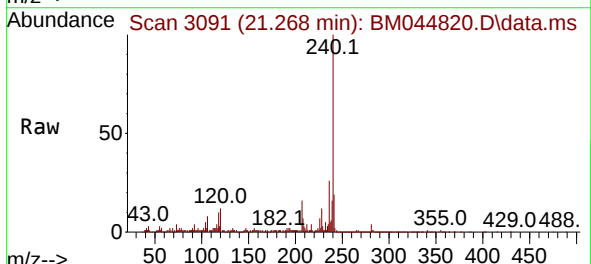
Manual Integrations
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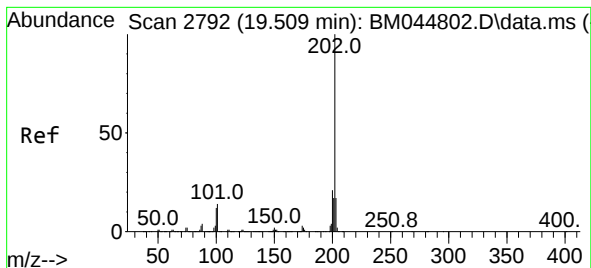
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.268 min Scan# 3091
Delta R.T. -0.012 min
Lab File: BM044820.D
Acq: 29 Mar 2024 18:14

Tgt Ion:240 Resp: 317200
Ion Ratio Lower Upper
240 100
120 12.3 8.6 12.8
236 25.9 20.8 31.2





#78

Pyrene

Concen: 10.025 ng

RT: 19.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

HS-04(0-6)

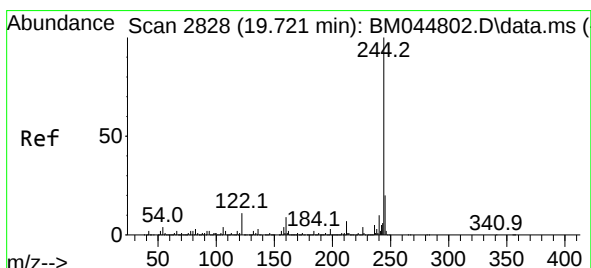
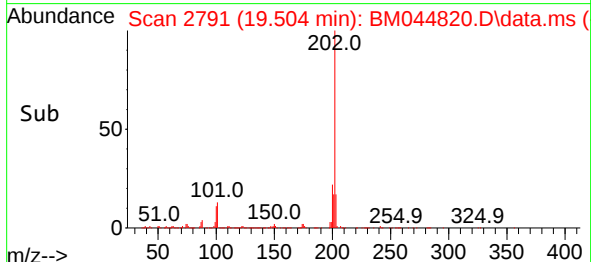
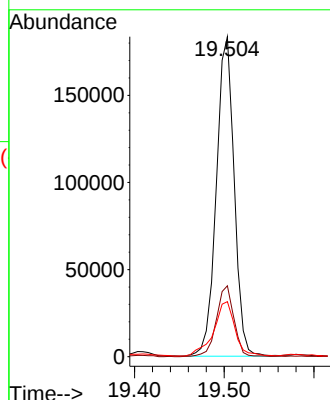
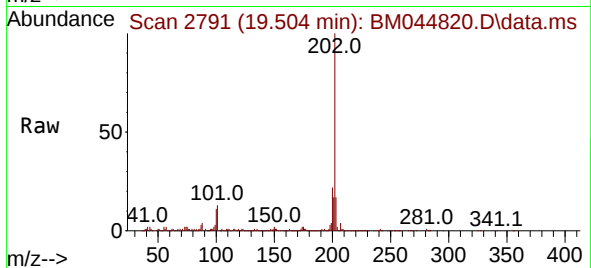
Tgt Ion:202 Resp: 253384
 Ion Ratio Lower Upper
 202 100
 200 22.1 17.0 25.4
 203 17.2 13.9 20.9

Manual Integrations

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#79

Terphenyl-d14

Concen: 84.069 ng

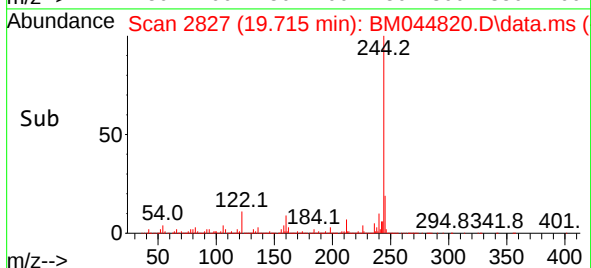
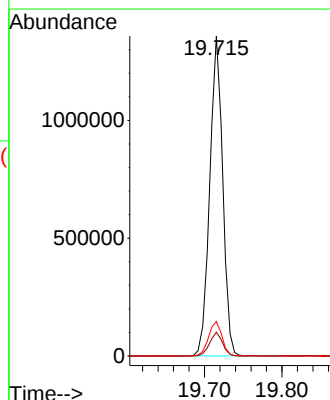
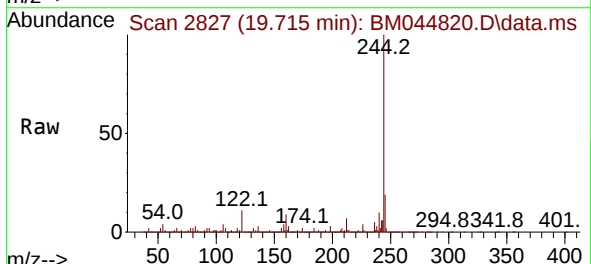
RT: 19.715 min Scan# 2827

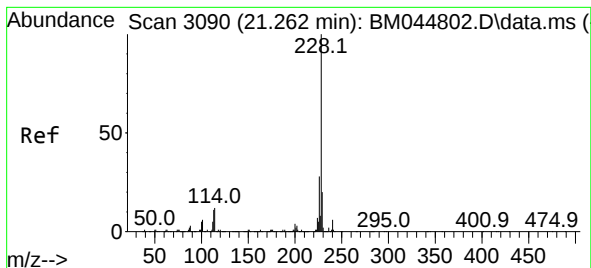
Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Tgt Ion:244 Resp: 1573525
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.8 8.8
 122 10.7 8.8 13.2





#81

Benzo(a)anthracene

Concen: 5.876 ng

RT: 21.256 min Scan# 3090

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNM

ClientSampleId :

HS-04(0-6)

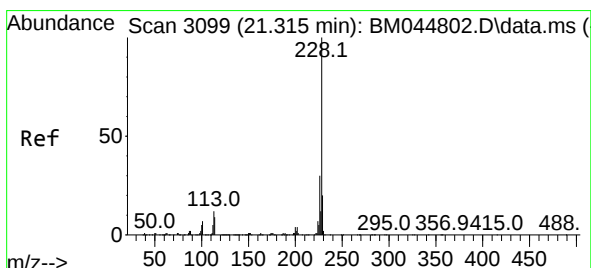
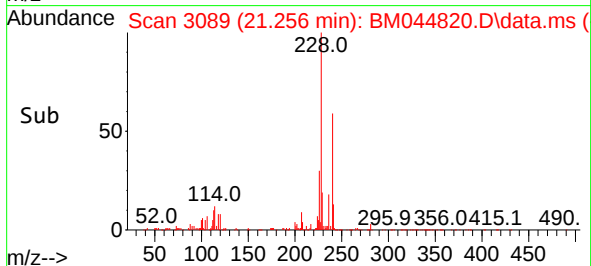
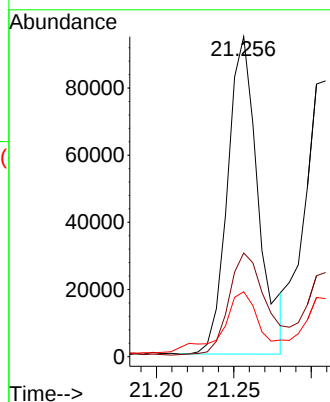
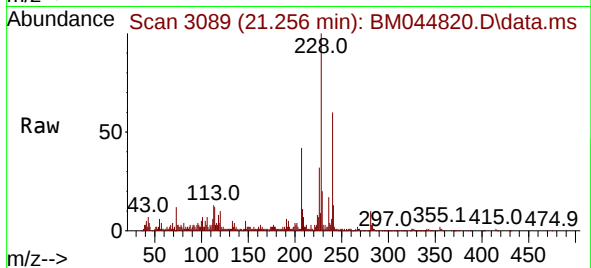
Tgt Ion:	228	Resp:	12991
Ion Ratio	Lower	Upper	
228	100		
226	32.4	22.1	33.1
229	20.3	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#83

Chrysene

Concen: 5.677 ng

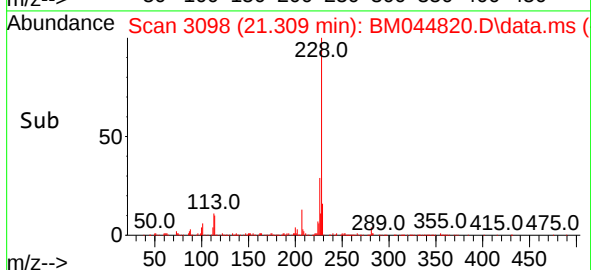
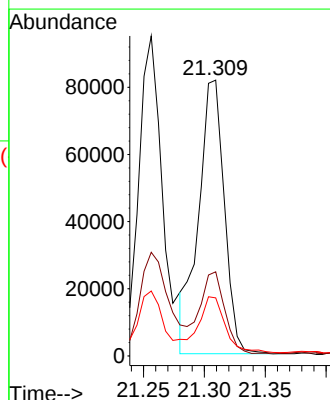
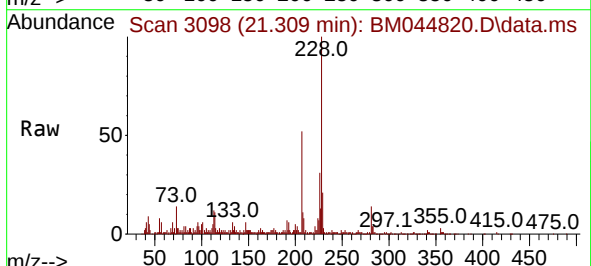
RT: 21.309 min Scan# 3098

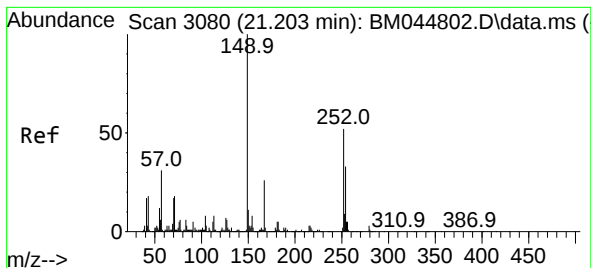
Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Tgt Ion:	228	Resp:	120304
Ion Ratio	Lower	Upper	
228	100		
226	30.5	23.7	35.5
229	21.1	15.7	23.5





#84

Bis(2-ethylhexyl)phthalate

Concen: 5.240 ng

RT: 21.198 min Scan# 3080

Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

HS-04(0-6)

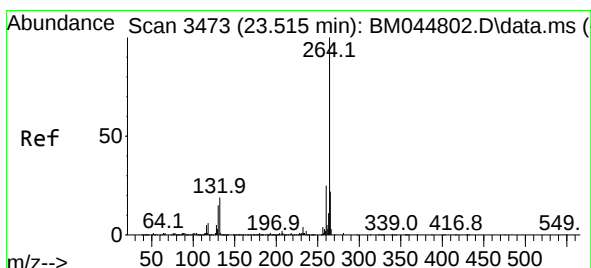
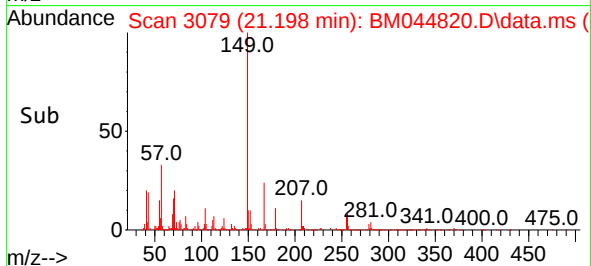
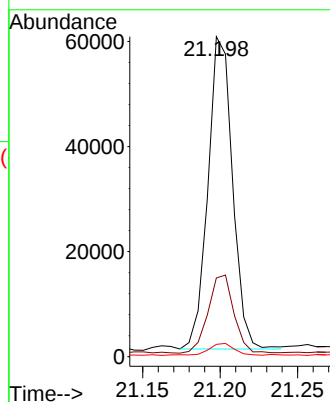
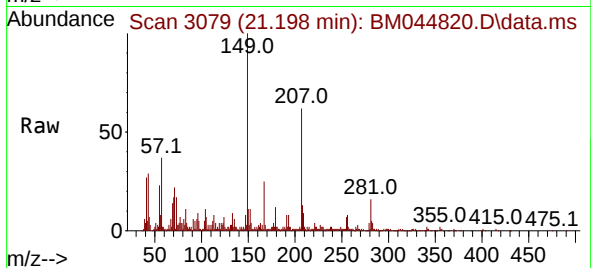
Tgt Ion:	149	Resp:	6566
Ion Ratio	Lower	Upper	
149	100		
167	24.6	20.5	30.7
279	3.8	2.7	4.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#86

Perylene-d12

Concen: 20.000 ng

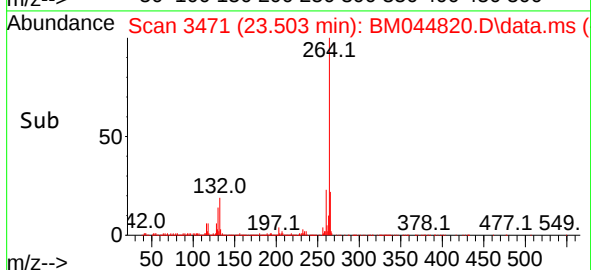
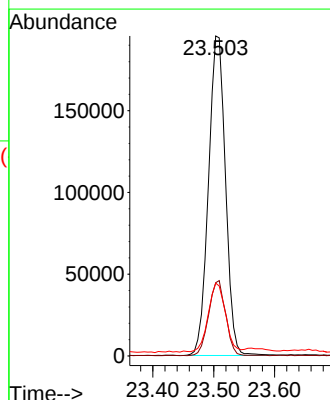
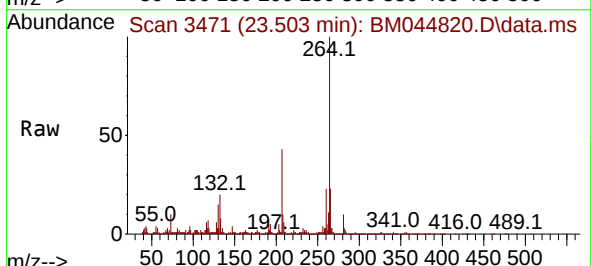
RT: 23.503 min Scan# 3471

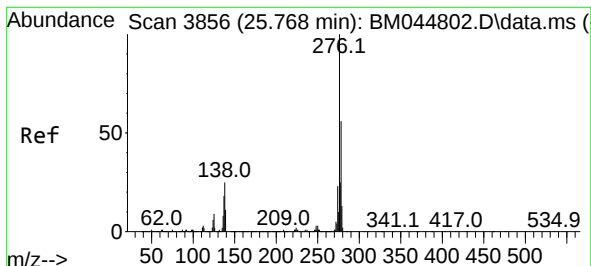
Delta R.T. -0.012 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Tgt Ion:	264	Resp:	379462
Ion Ratio	Lower	Upper	
264	100		
260	22.9	19.7	29.5
265	22.7	18.9	28.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.476 ng

RT: 25.756 min Scan# 3854

Delta R.T. -0.012 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

HS-04(0-6)

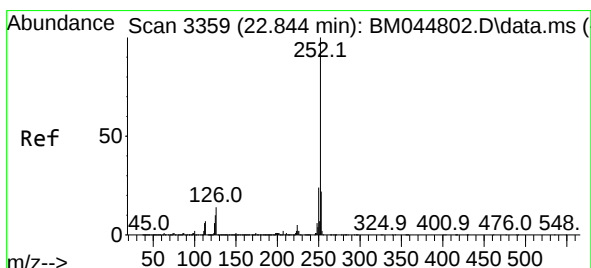
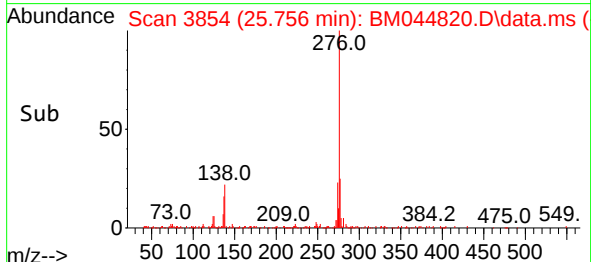
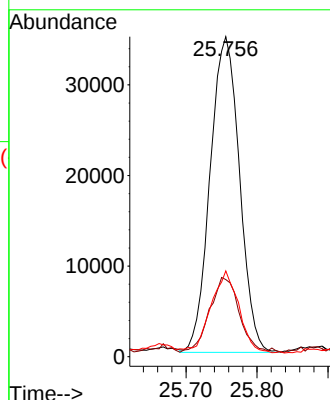
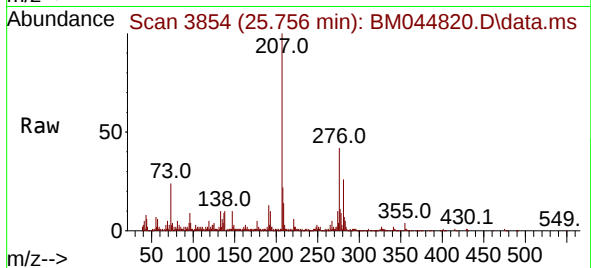
Tgt Ion:	276	Resp:	100204
Ion Ratio	Lower	Upper	
276	100		
138	23.7	22.2	33.2
277	24.3	20.2	30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#88

Benzo(b)fluoranthene

Concen: 8.044 ng m

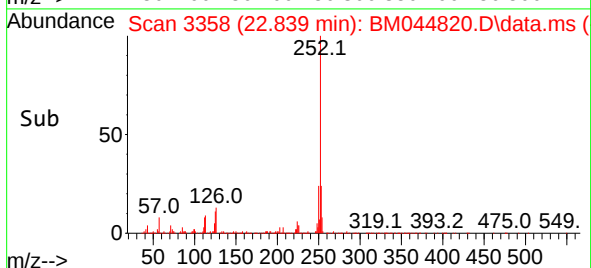
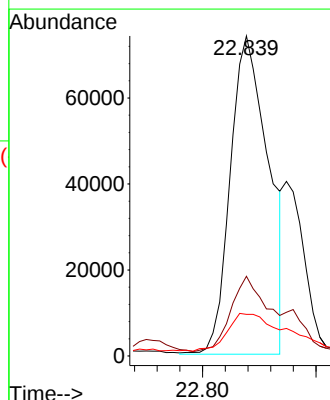
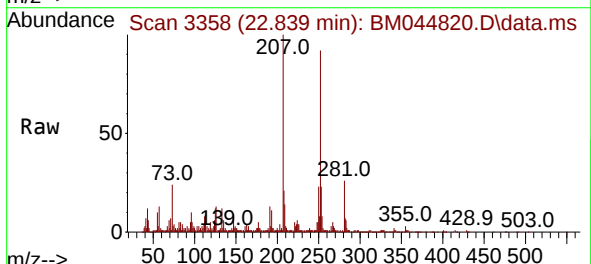
RT: 22.839 min Scan# 3358

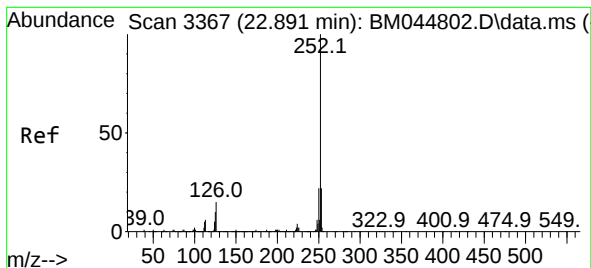
Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Tgt Ion:	252	Resp:	172978
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.5	26.3
125	13.0	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 2.393 ng m

RT: 22.874 min Scan# 31

Delta R.T. -0.017 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

HS-04(0-6)

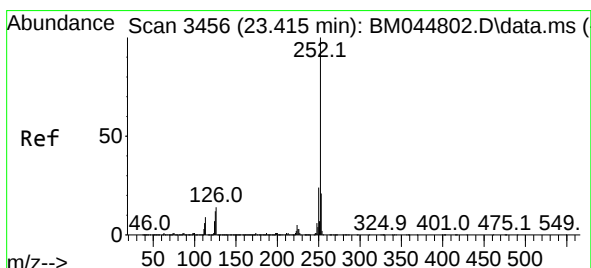
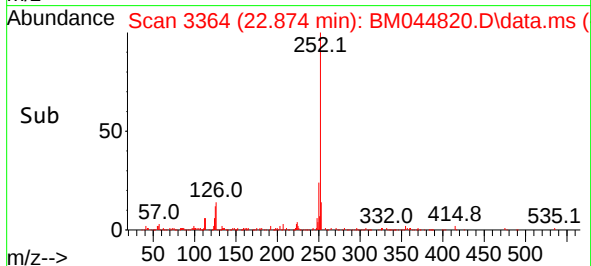
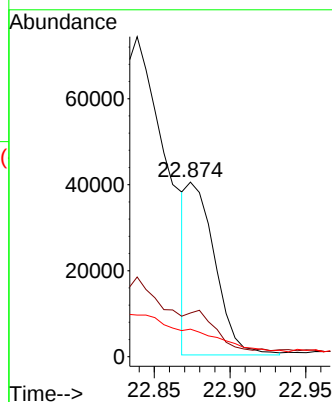
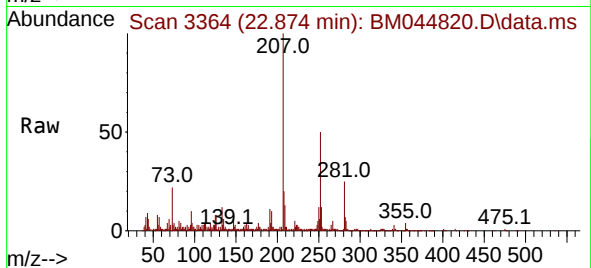
Tgt Ion:252 Resp: 51669
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.7 26.5
 125 15.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#90

Benzo(a)pyrene

Concen: 6.270 ng

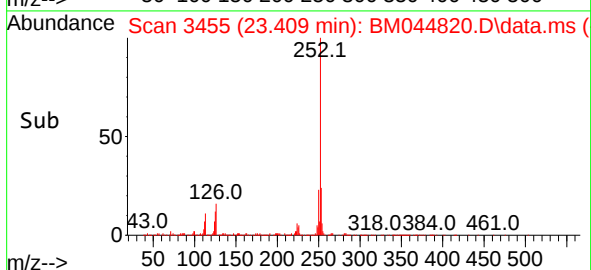
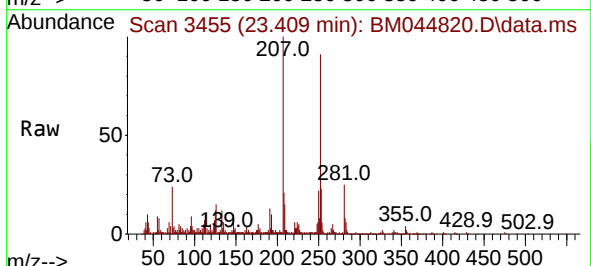
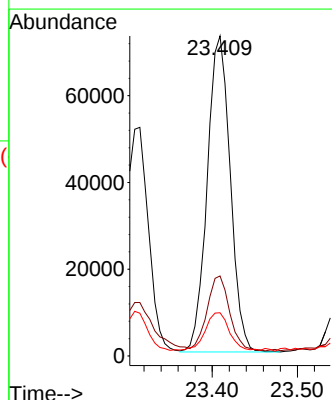
RT: 23.409 min Scan# 3455

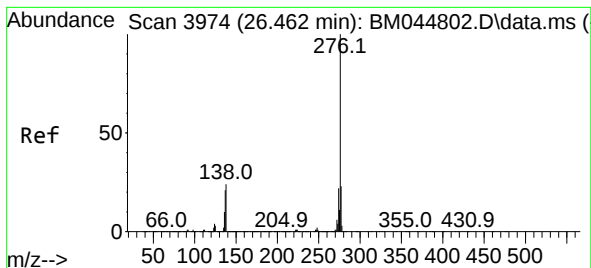
Delta R.T. -0.006 min

Lab File: BM044820.D

Acq: 29 Mar 2024 18:14

Tgt Ion:252 Resp: 136833
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.3 25.9
 125 13.5 9.8 14.8





#92

Benzo(g,h,i)perylene

Concen: 4.491 ng

RT: 26.444 min Scan# 3971

Delta R.T. -0.017 min

Lab File: BM044820.D

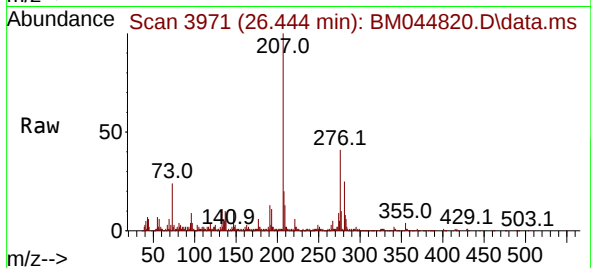
Acq: 29 Mar 2024 18:14

Instrument :

BNA_M

ClientSampleId :

HS-04(0-6)



Tgt Ion:276 Resp: 111544

Ion Ratio Lower Upper

276 100

277 24.7 18.6 28.0

138 22.6 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024

