

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
 Data File : BM044824.D
 Acq On : 29 Mar 2024 20:41
 Operator : MA/JU
 Sample : P1879-03 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EB-02(0-2)

Manual Integrations
 APPROVED

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

Quant Time: Mar 29 23:24:01 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	141615	20.000	ng	0.00
21) Naphthalene-d8	10.445	136	550624	20.000	ng	-0.01
39) Acenaphthene-d10	14.316	164	274629	20.000	ng	0.00
64) Phenanthrene-d10	17.074	188	415153	20.000	ng	0.00
76) Chrysene-d12	21.274	240	315885	20.000	ng	0.00
86) Perylene-d12	23.509	264	371345	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	191112	19.328	ng	0.00
7) Phenol-d6	6.851	99	242339	18.894	ng	0.00
23) Nitrobenzene-d5	8.834	82	143639	11.760	ng	0.00
42) 2,4,6-Tribromophenol	15.815	330	50733	16.905	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	277581	12.945	ng	-0.01
79) Terphenyl-d14	19.715	244	225221	12.083	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.115	178	116809	5.043	ng	98
75) Fluoranthene	19.139	202	97644	4.223	ng	99
78) Pyrene	19.503	202	145211	5.769	ng	99
81) Benzo(a)anthracene	21.256	228	68571	3.114	ng	# 81
83) Chrysene	21.309	228	65740	3.115	ng	# 84
88) Benzo(b)fluoranthene	22.839	252	69881m	3.321	ng	
90) Benzo(a)pyrene	23.409	252	65774	3.080	ng	# 87
92) Benzo(g,h,i)perylene	26.450	276	76217	3.136	ng	98

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

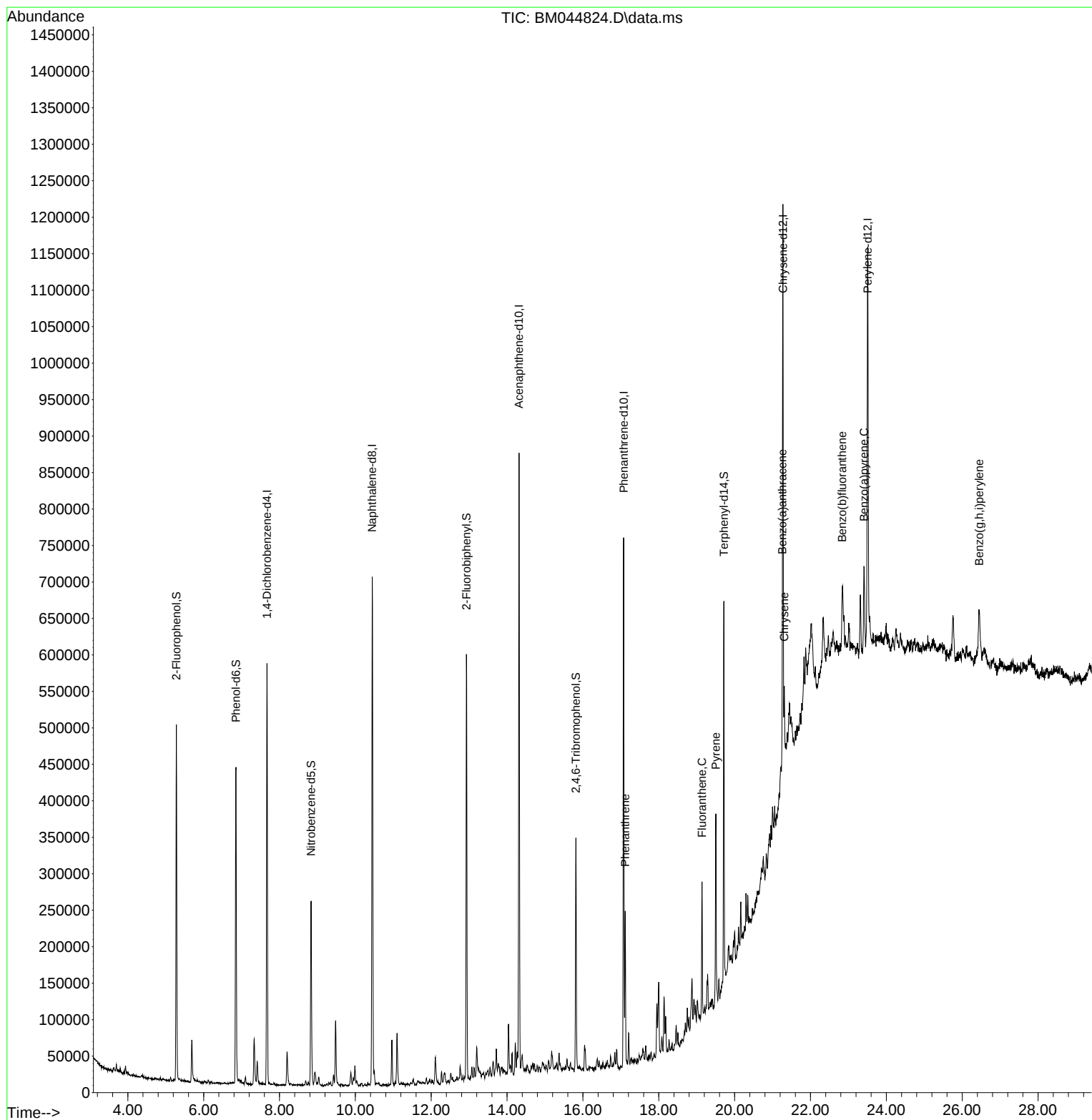
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032924\
Data File : BM044824.D
Acq On : 29 Mar 2024 20:41
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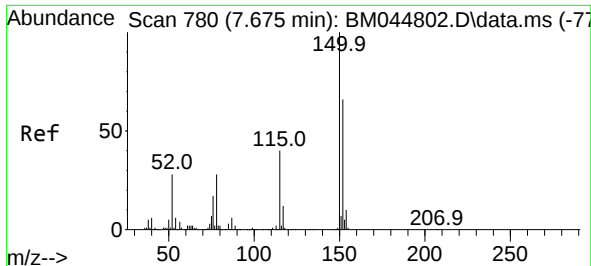
Instrument :
BNA_M
ClientSampleId :
EB-02(0-2)

Quant Time: Mar 29 23:24:01 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
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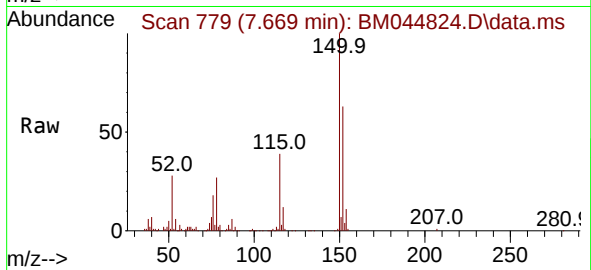
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.669 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

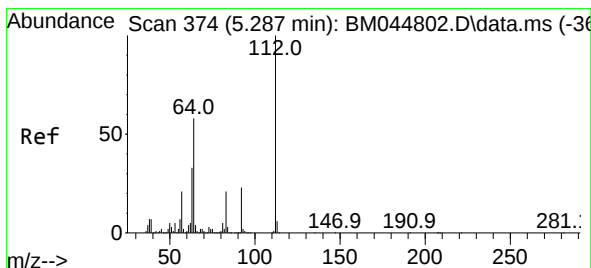
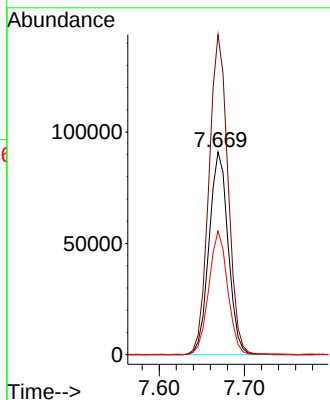
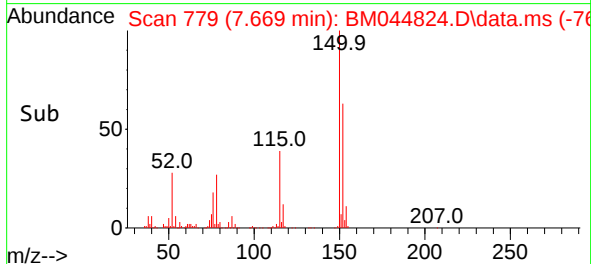
Instrument :
BNA_M
ClientSampleId :
EB-02(0-2)



Tgt Ion:152 Resp: 141615
Ion Ratio Lower Upper
152 100
150 157.9 121.0 181.6
115 61.1 48.3 72.5

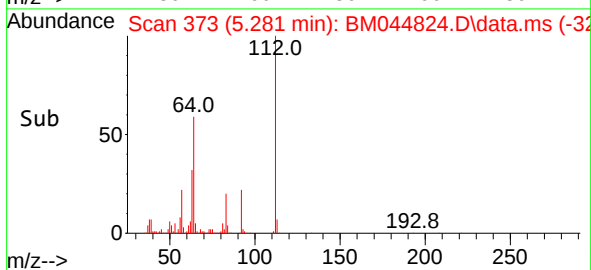
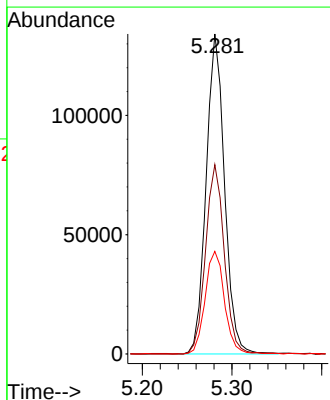
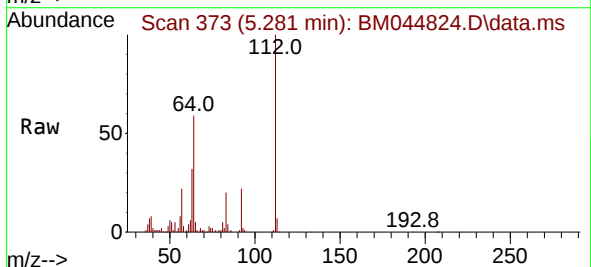
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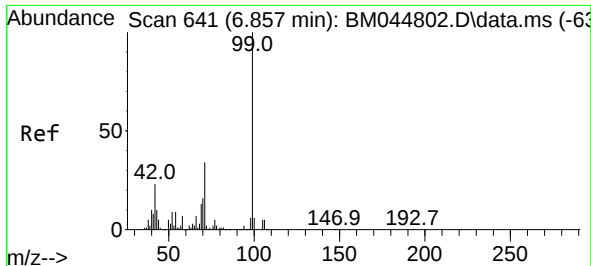
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024



#5
2-Fluorophenol
Concen: 19.328 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

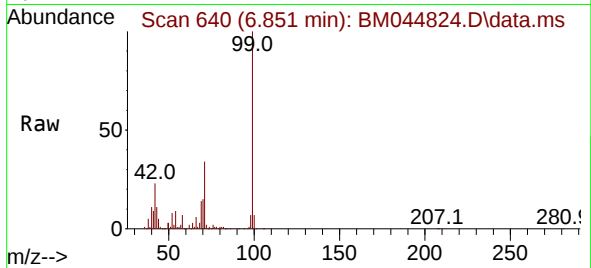
Tgt Ion:112 Resp: 191112
Ion Ratio Lower Upper
112 100
64 59.2 46.4 69.6
63 32.1 26.2 39.4





#7
Phenol-d6
Concen: 18.894 ng
RT: 6.851 min Scan# 641
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

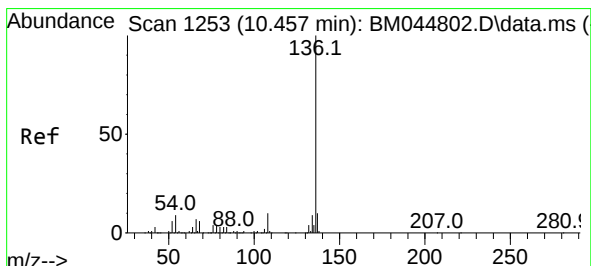
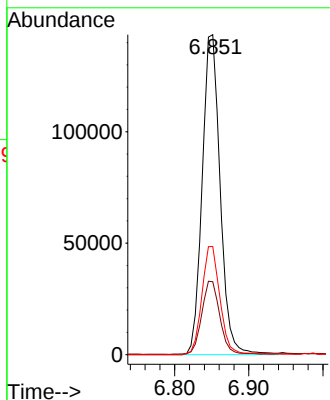
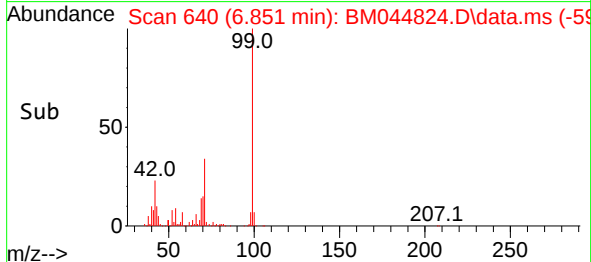
Instrument :
BNA_M
ClientSampleId :
EB-02(0-2)



Tgt Ion: 99 Resp: 242339
Ion Ratio Lower Upper
99 100
42 22.8 18.2 27.4
71 33.8 27.3 40.9

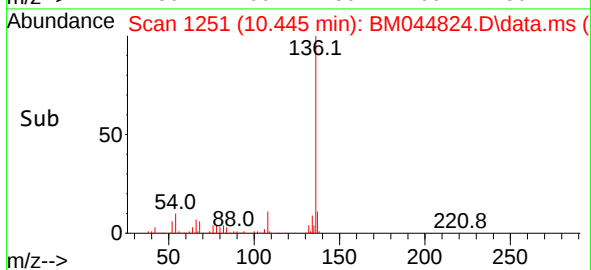
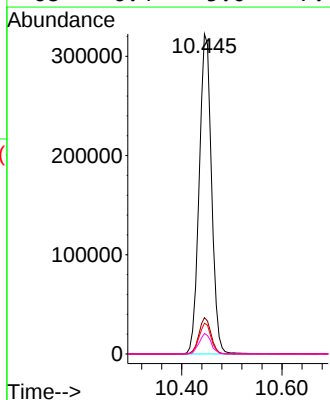
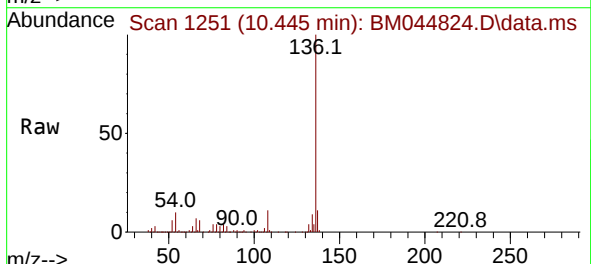
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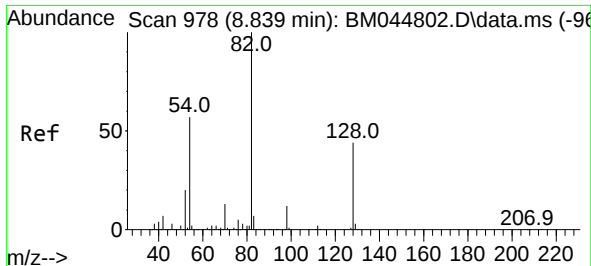
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.445 min Scan# 1251
Delta R.T. -0.012 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

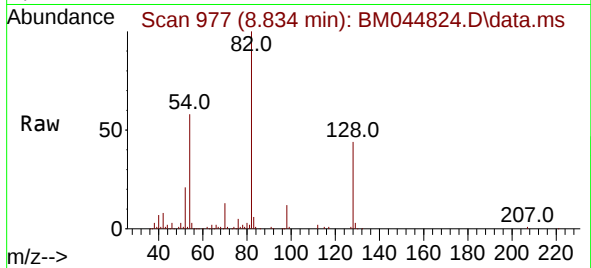
Tgt Ion:136 Resp: 550624
Ion Ratio Lower Upper
136 100
137 11.3 8.4 12.6
54 9.6 7.3 10.9
68 6.4 5.0 7.4





#23
Nitrobenzene-d5
Concen: 11.760 ng
RT: 8.834 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

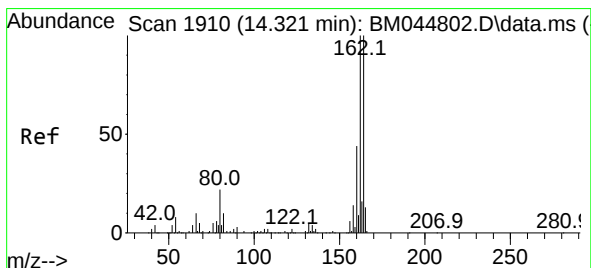
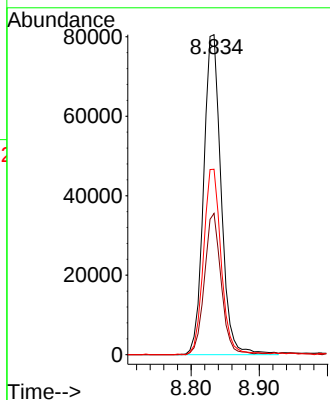
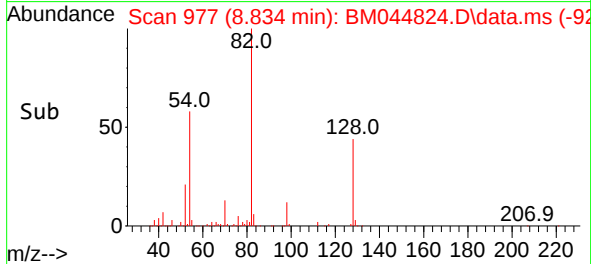
Instrument :
BNA_M
ClientSampleId :
EB-02(0-2)



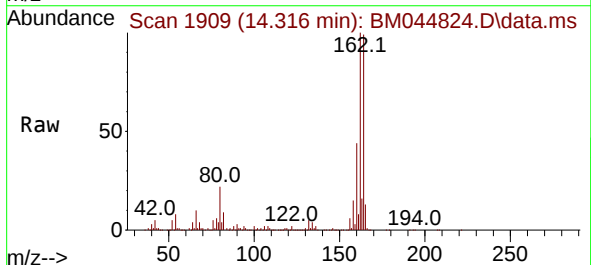
Tgt Ion: 82 Resp: 143639
Ion Ratio Lower Upper
82 100
128 44.2 34.8 52.2
54 57.9 45.4 68.0

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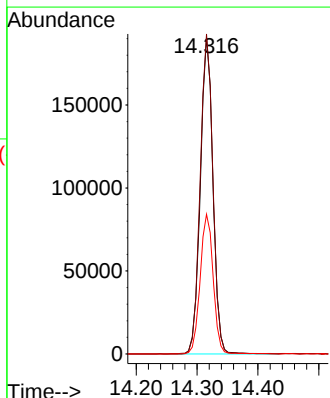
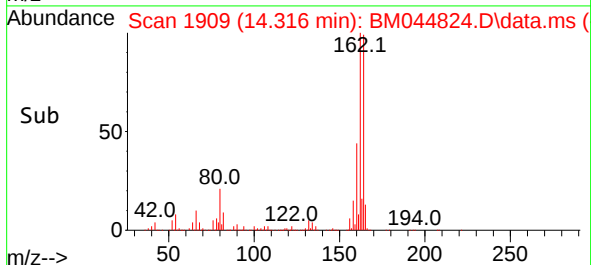
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024

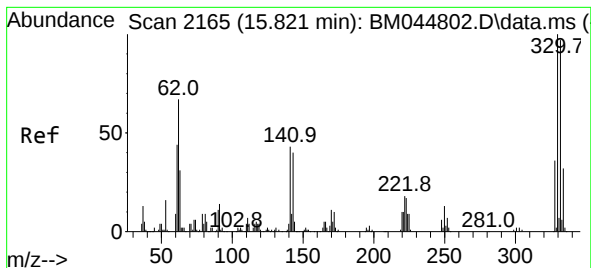


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.316 min Scan# 1909
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41



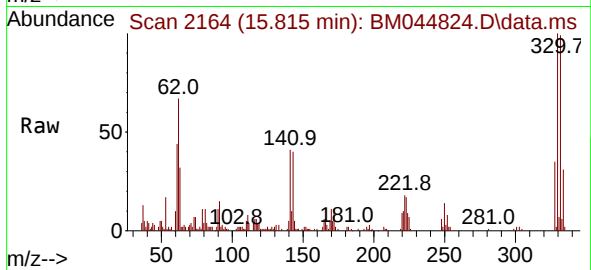
Tgt Ion:164 Resp: 274629
Ion Ratio Lower Upper
164 100
162 101.0 80.2 120.4
160 44.1 35.4 53.2





#42
2,4,6-Tribromophenol
Concen: 16.905 ng
RT: 15.815 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

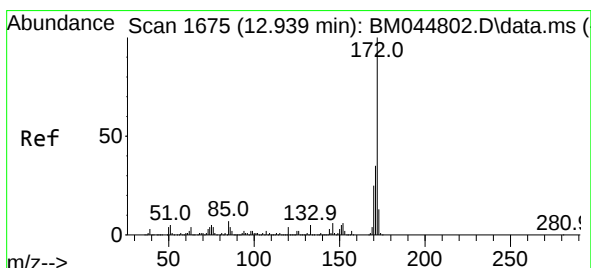
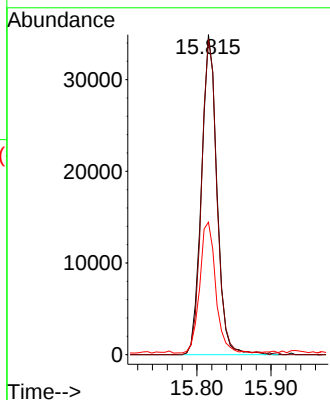
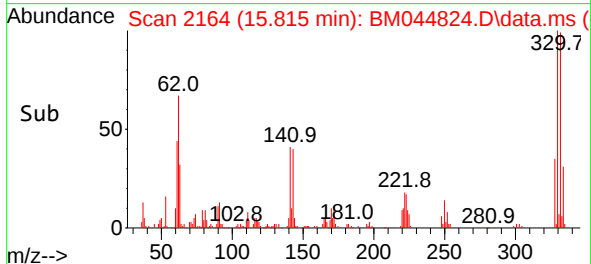
Instrument :
BNA_M
ClientSampleId :
EB-02(0-2)



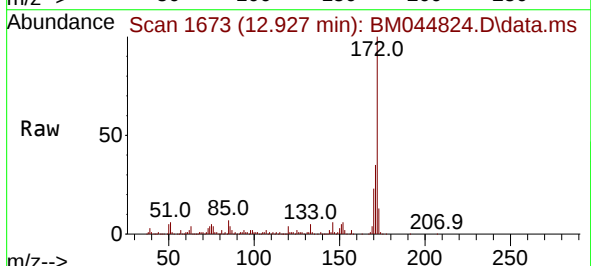
Tgt Ion:330 Resp: 5073
Ion Ratio Lower Upper
330 100
332 98.2 77.0 115.4
141 42.0 34.1 51.1

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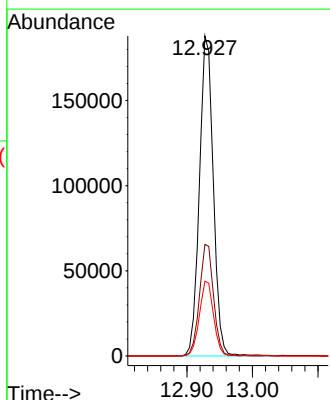
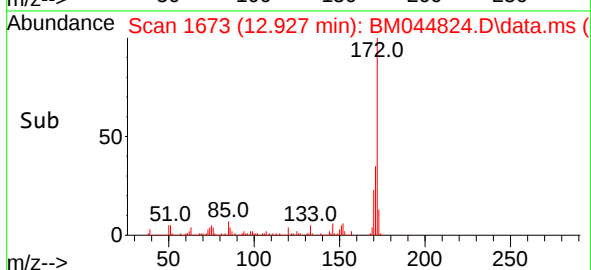
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024

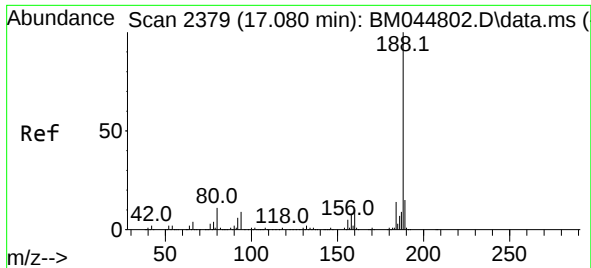


#45
2-Fluorobiphenyl
Concen: 12.945 ng
RT: 12.927 min Scan# 1673
Delta R.T. -0.012 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41



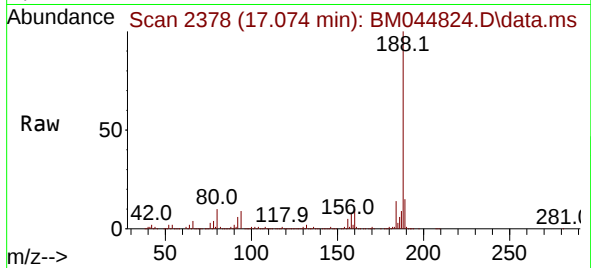
Tgt Ion:172 Resp: 277581
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.8
170 23.4 19.8 29.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.074 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

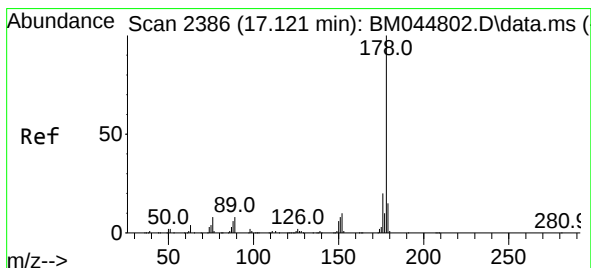
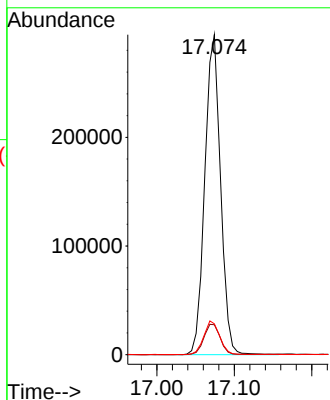
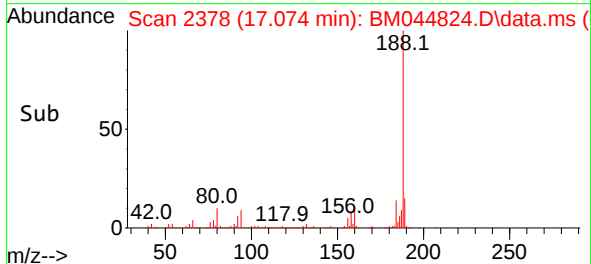
Instrument :
BNA_M
ClientSampleId :
EB-02(0-2)



Tgt Ion:188 Resp: 41515
Ion Ratio Lower Upper
188 100
94 9.3 7.4 11.0
80 9.7 8.6 12.8

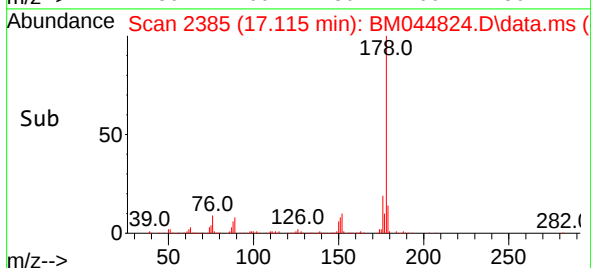
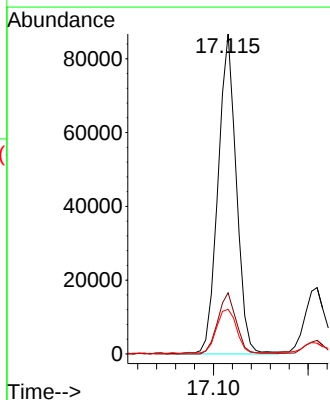
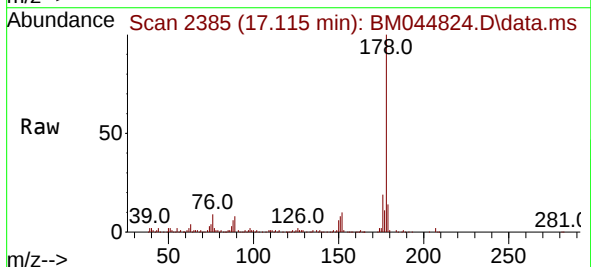
Manual Integrations
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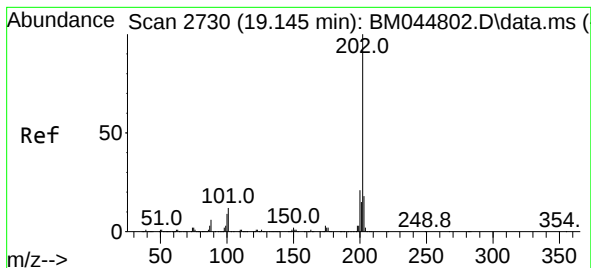
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024



#71
Phenanthrene
Concen: 5.043 ng
RT: 17.115 min Scan# 2385
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

Tgt Ion:178 Resp: 116809
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 14.0 12.2 18.2





#75

Fluoranthene

Concen: 4.223 ng

RT: 19.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :

EB-02(0-2)

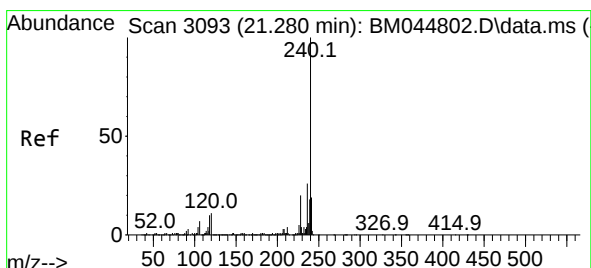
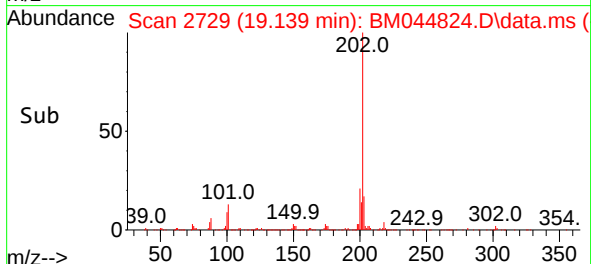
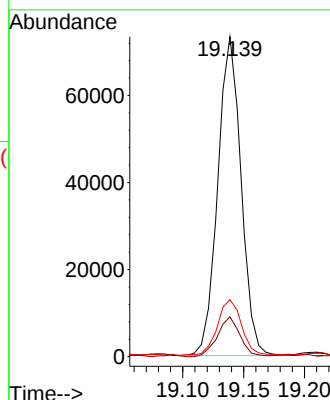
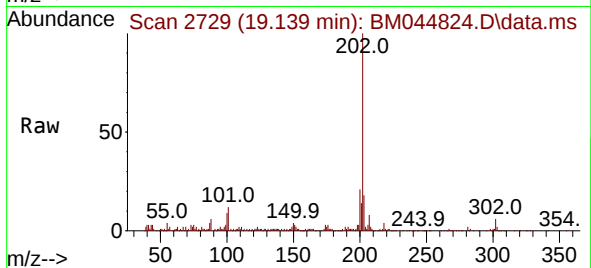
Tgt Ion:	202	Resp:	97644
Ion Ratio	Lower	Upper	
202	100		
101	12.5	0.0	32.2
203	17.8	0.0	37.6

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

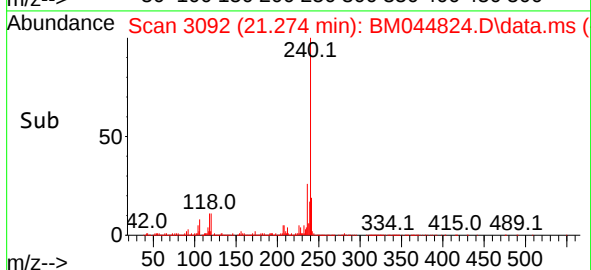
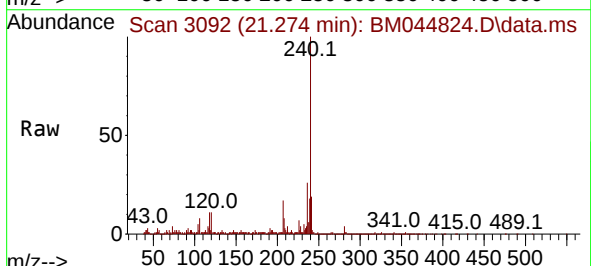
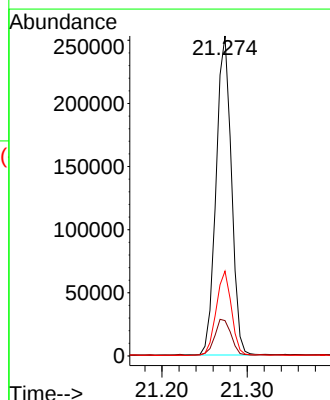
RT: 21.274 min Scan# 3092

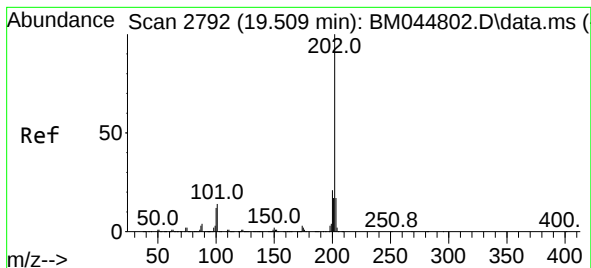
Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Tgt Ion:	240	Resp:	315885
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.6	12.8
236	26.5	20.8	31.2





#78

Pyrene

Concen: 5.769 ng

RT: 19.503 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :

EB-02(0-2)

Tgt Ion:202 Resp: 14521

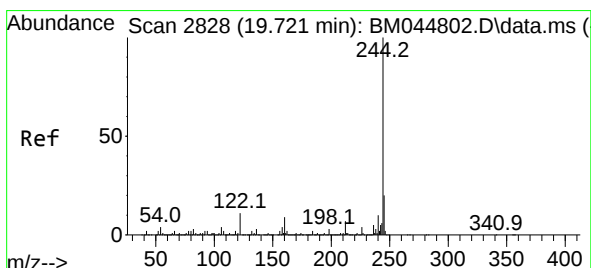
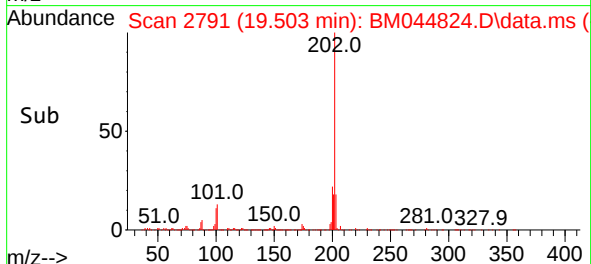
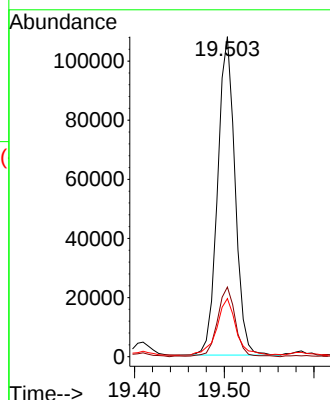
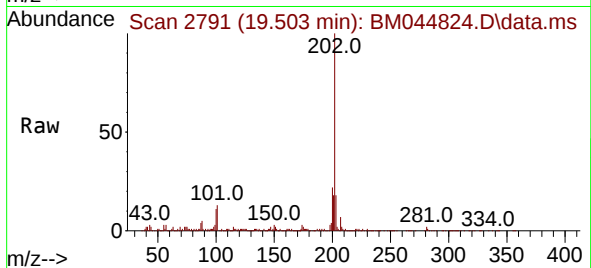
Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.0	25.4
203	18.1	13.9	20.9

Manual Integrations

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Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#79

Terphenyl-d14

Concen: 12.083 ng

RT: 19.715 min Scan# 2827

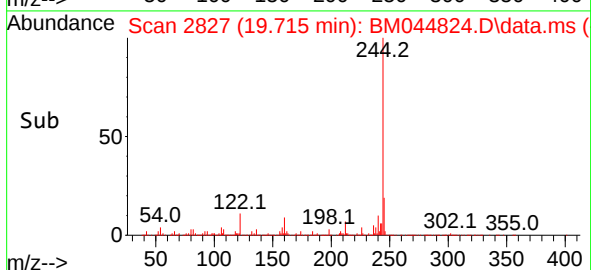
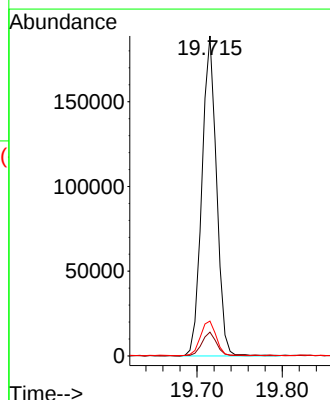
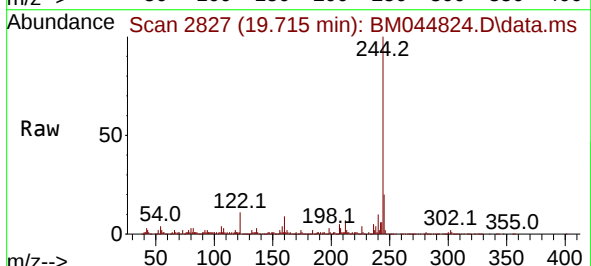
Delta R.T. -0.006 min

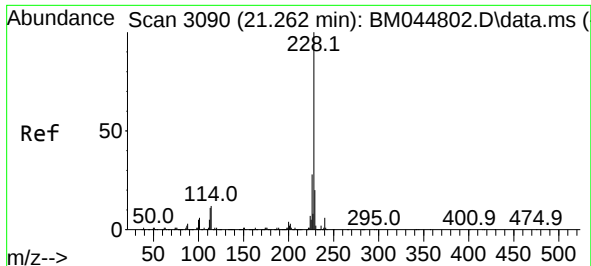
Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Tgt Ion:244 Resp: 225221

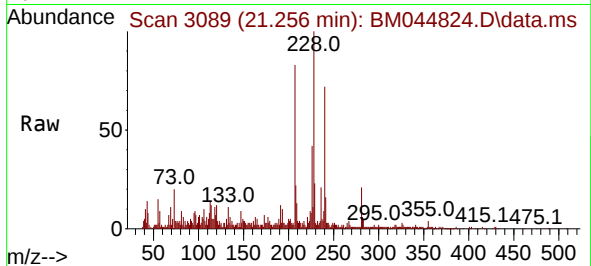
Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.8	8.8
122	10.9	8.8	13.2





#81
Benzo(a)anthracene
Concen: 3.114 ng
RT: 21.256 min Scan# 3090
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

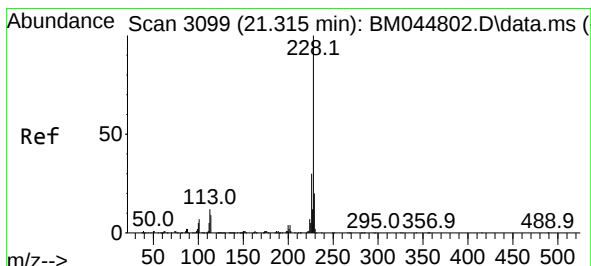
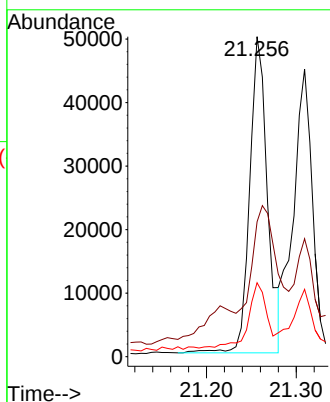
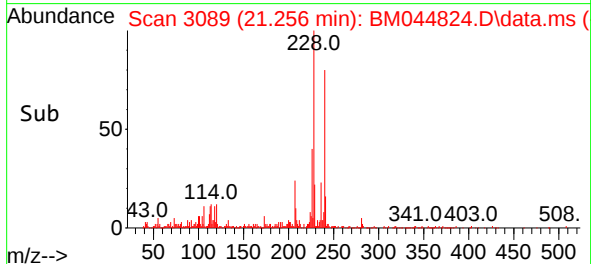
Instrument :
BNA_M
ClientSampleId :
EB-02(0-2)



Tgt Ion:228 Resp: 6857
Ion Ratio Lower Upper
228 100
226 42.2 22.1 33.1
229 23.1 15.8 23.8

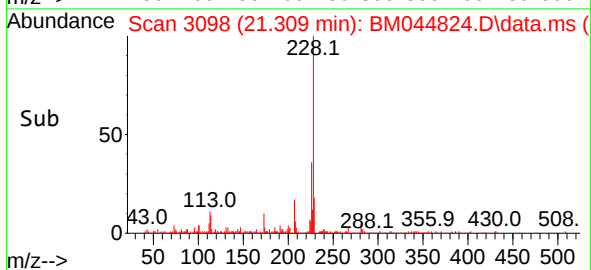
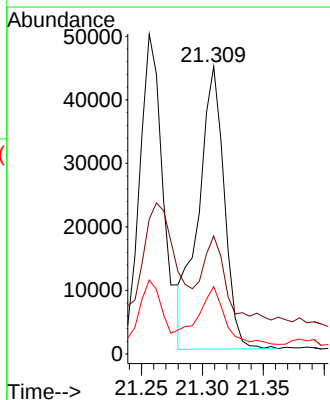
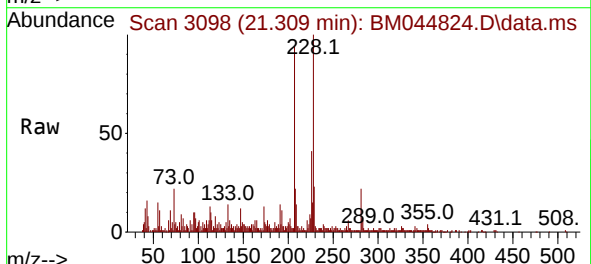
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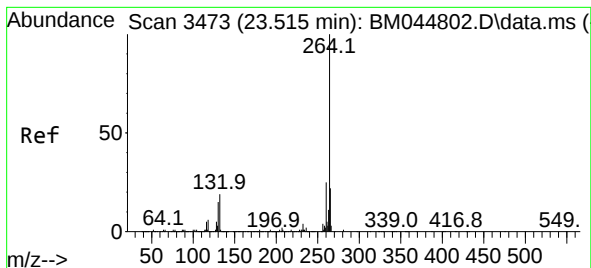
Reviewed By :Yogesh Patel 03/30/2024
Supervised By :mohammad ahmed 03/30/2024



#83
Chrysene
Concen: 3.115 ng
RT: 21.309 min Scan# 3098
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

Tgt Ion:228 Resp: 65740
Ion Ratio Lower Upper
228 100
226 41.0 23.7 35.5
229 23.4 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.509 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Instrument :

BNA_M

ClientSampleId :

EB-02(0-2)

Tgt Ion:264 Resp: 37134

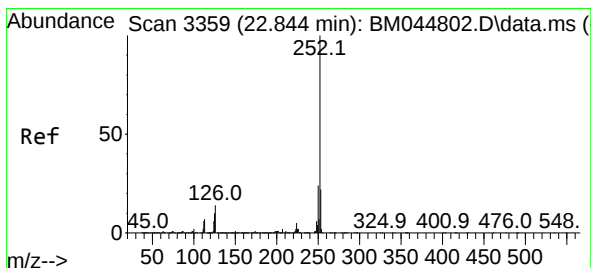
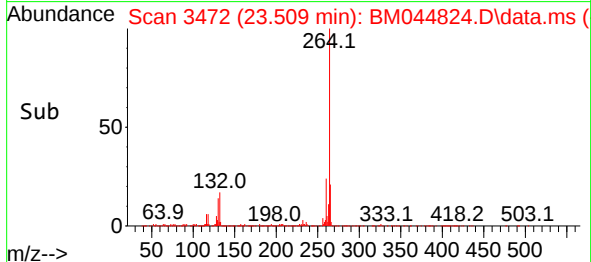
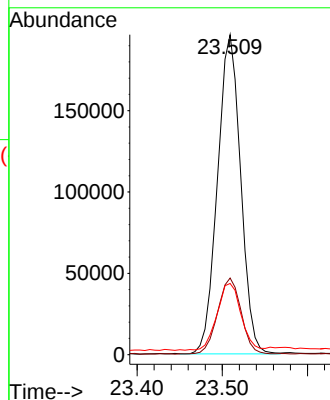
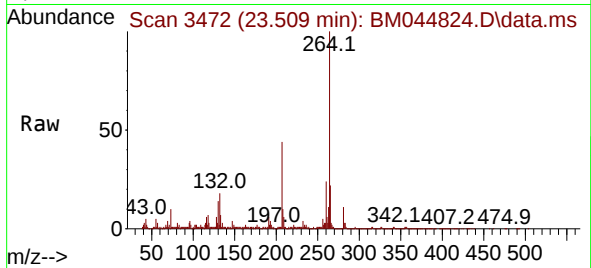
Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.7	29.5
265	22.3	18.9	28.3

Manual Integrations

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Reviewed By :Yogesh Patel 03/30/2024

Supervised By :mohammad ahmed 03/30/2024



#88

Benzo(b)fluoranthene

Concen: 3.321 ng m

RT: 22.839 min Scan# 3358

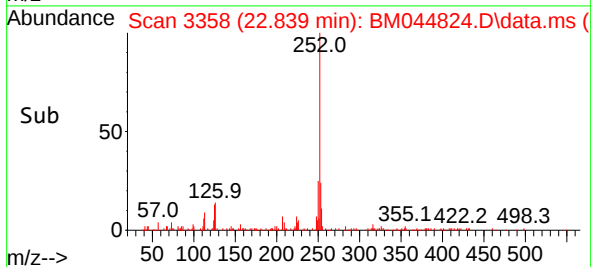
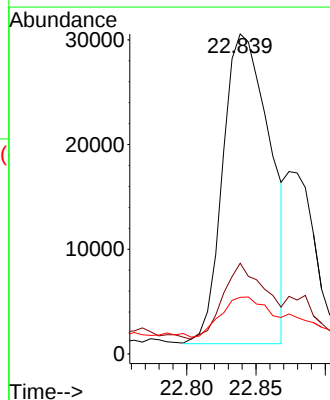
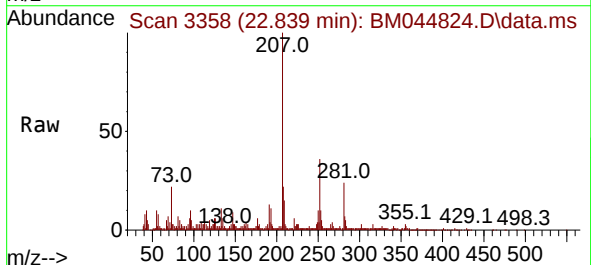
Delta R.T. -0.006 min

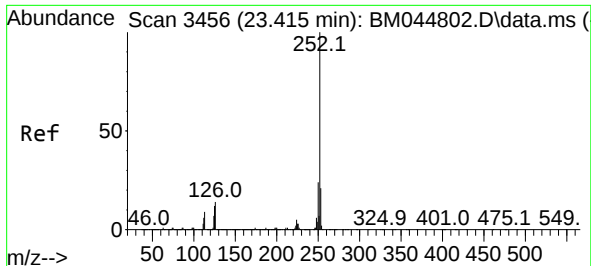
Lab File: BM044824.D

Acq: 29 Mar 2024 20:41

Tgt Ion:252 Resp: 69881

Ion	Ratio	Lower	Upper
252	100		
253	28.3	17.5	26.3#
125	17.7	8.6	12.8#





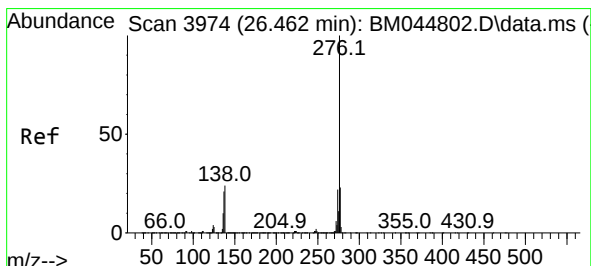
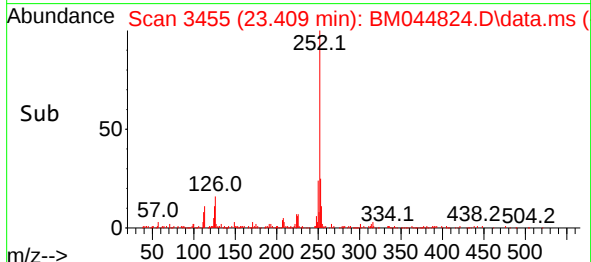
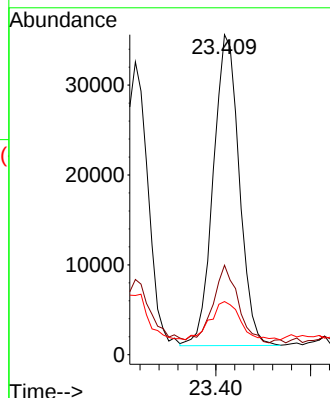
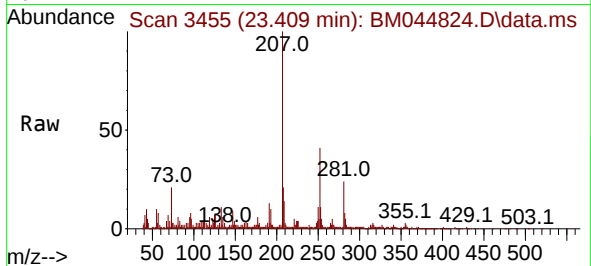
#90
Benzo(a)pyrene
Concen: 3.080 ng
RT: 23.409 min Scan# 3456
Delta R.T. -0.006 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

Instrument :
BNA_M
ClientSampleId :
EB-02(0-2)

Tgt Ion:252 Resp: 65774
Ion Ratio Lower Upper
252 100
253 27.9 17.3 25.9
125 16.6 9.8 14.8

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



#92
Benzo(g,h,i)perylene
Concen: 3.136 ng
RT: 26.450 min Scan# 3972
Delta R.T. -0.012 min
Lab File: BM044824.D
Acq: 29 Mar 2024 20:41

Tgt Ion:276 Resp: 76217
Ion Ratio Lower Upper
276 100
277 24.7 18.6 28.0
138 25.0 19.2 28.8

