

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032524\
 Data File : BM044760.D
 Acq On : 25 Mar 2024 17:47
 Operator : MA/JU
 Sample : P1842-01 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EO-01-03222024-A

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 03/26/2024
 Supervised By :mohammad ahmed 03/27/2024

Quant Time: Mar 25 18:15:37 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 14 02:28:24 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.698	152	162739	20.000	ng	0.00
21) Naphthalene-d8	10.475	136	631207	20.000	ng	-0.01
39) Acenaphthene-d10	14.339	164	367684	20.000	ng	-0.01
64) Phenanthrene-d10	17.098	188	737449	20.000	ng	0.00
76) Chrysene-d12	21.291	240	628210	20.000	ng	-0.01
86) Perylene-d12	23.544	264	712037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.310	112	436480	38.509	ng	0.00
7) Phenol-d6	6.875	99	532441	36.514	ng	0.00
23) Nitrobenzene-d5	8.857	82	321808	24.561	ng	0.00
42) 2,4,6-Tribromophenol	15.839	330	176126	43.430	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	672575	25.192	ng	-0.01
79) Terphenyl-d14	19.739	244	937107	26.095	ng	0.00
Target Compounds						Qvalue
58) Fluorene	15.392	166	54145	2.092	ng	# 95
71) Phenanthrene	17.139	178	385464	9.459	ng	100
72) Anthracene	17.227	178	153807	3.763	ng	96
75) Fluoranthene	19.162	202	593335	13.024	ng	98
78) Pyrene	19.527	202	627010	13.618	ng	100
81) Benzo(a)anthracene	21.280	228	271198m	6.204	ng	
83) Chrysene	21.333	228	265971m	6.368	ng	
87) Indeno(1,2,3-cd)pyrene	25.815	276	154644	3.004	ng	# 93
88) Benzo(b)fluoranthene	22.868	252	296337	7.082	ng	# 78
89) Benzo(k)fluoranthene	22.909	252	116065m	2.698	ng	
90) Benzo(a)pyrene	23.444	252	234625	5.749	ng	# 88
92) Benzo(g,h,i)perylene	26.509	276	169062	3.958	ng	# 94

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

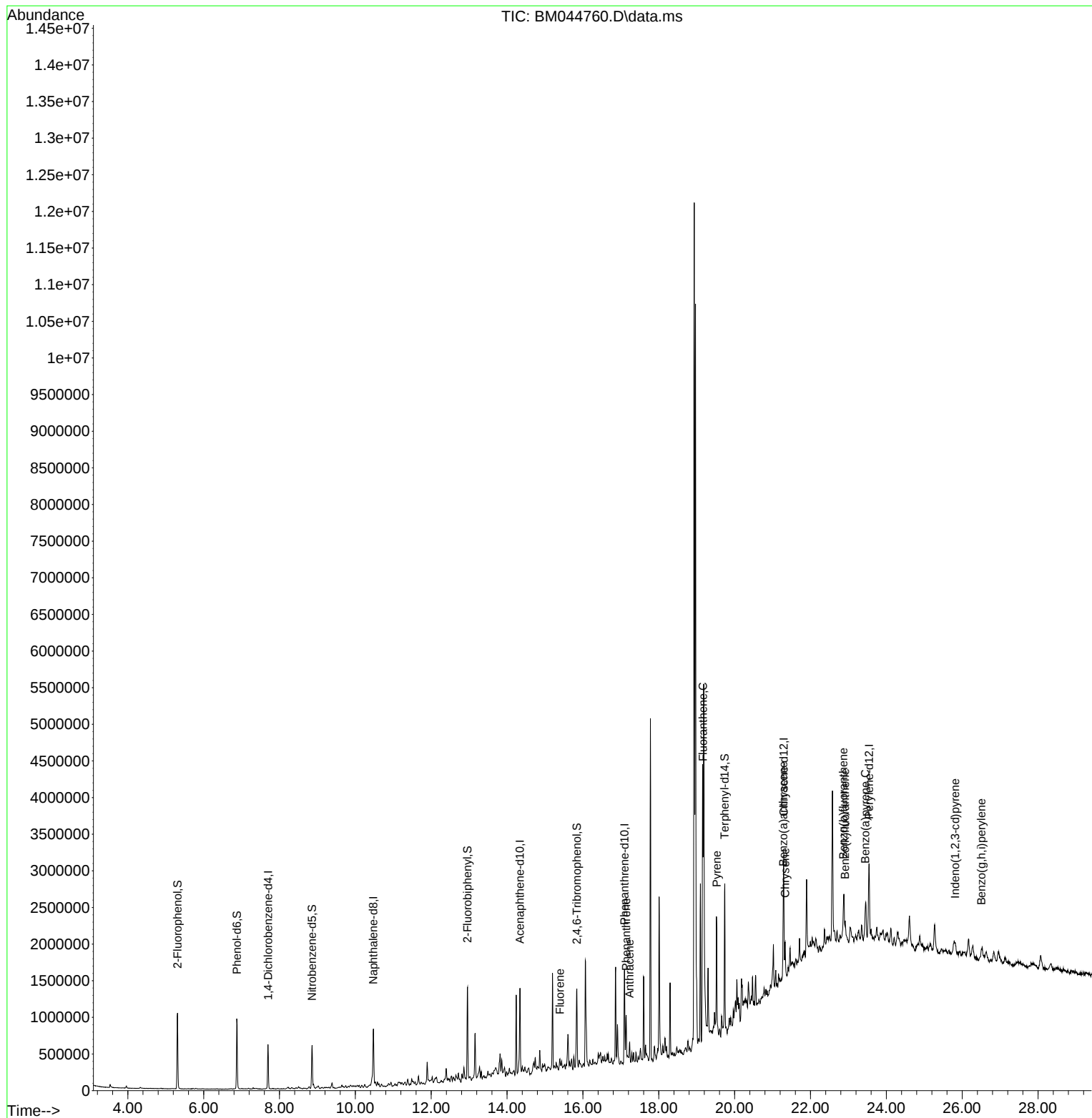
Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032524\
Data File : BM044760.D
Acq On : 25 Mar 2024 17:47
Operator : MA/JU
Sample : P1842-01 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

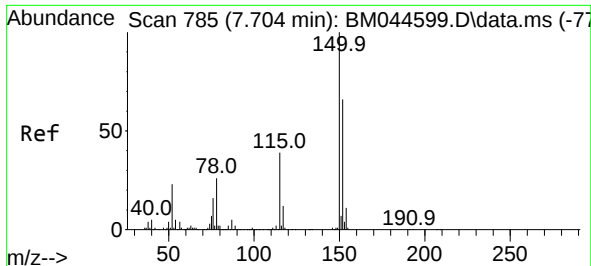
Instrument :
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Quant Time: Mar 25 18:15:37 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031324.M
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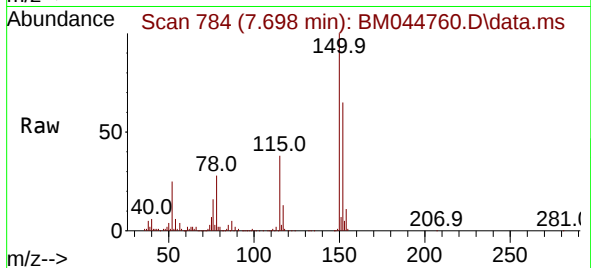
Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.698 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47

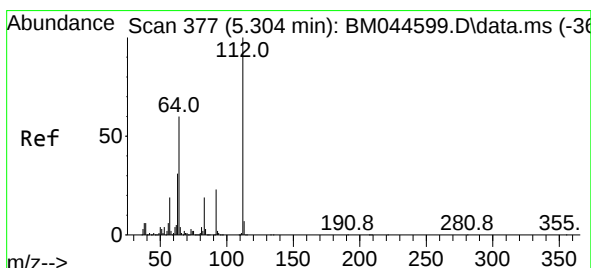
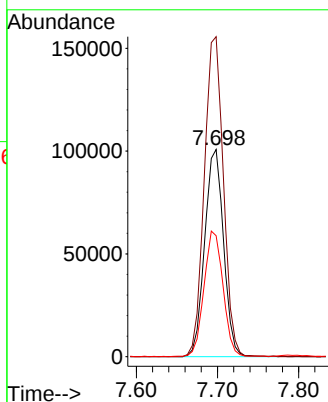
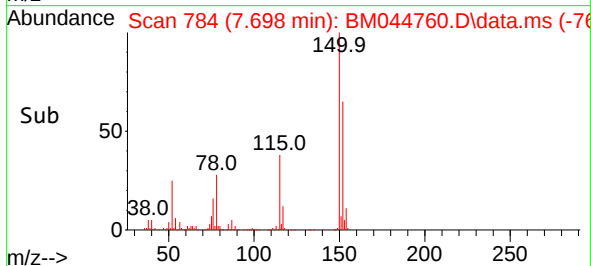
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-A



Tgt Ion:152 Resp: 162739
Ion Ratio Lower Upper
152 100
150 154.4 121.9 182.9
115 58.4 47.1 70.7

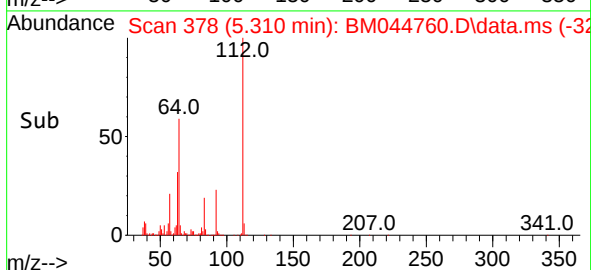
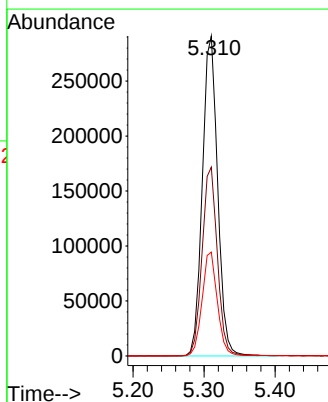
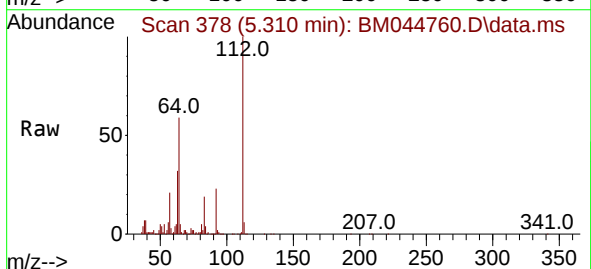
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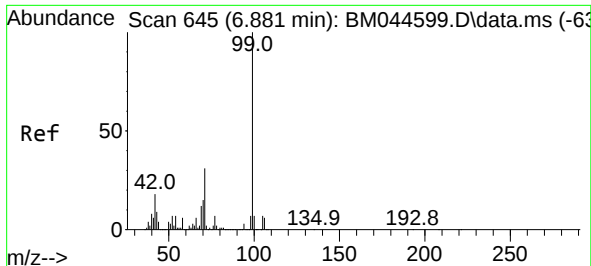
Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#5
2-Fluorophenol
Concen: 38.509 ng
RT: 5.310 min Scan# 378
Delta R.T. 0.006 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47

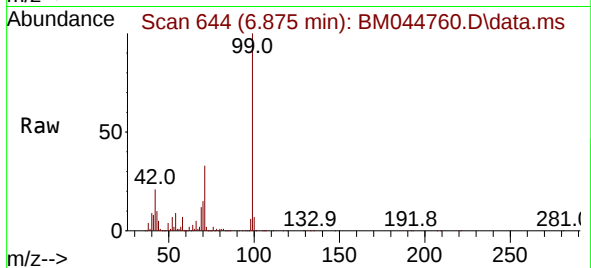
Tgt Ion:112 Resp: 436480
Ion Ratio Lower Upper
112 100
64 59.0 47.9 71.9
63 32.5 25.0 37.4





#7
Phenol-d6
Concen: 36.514 ng
RT: 6.875 min Scan# 64
Delta R.T. -0.006 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47

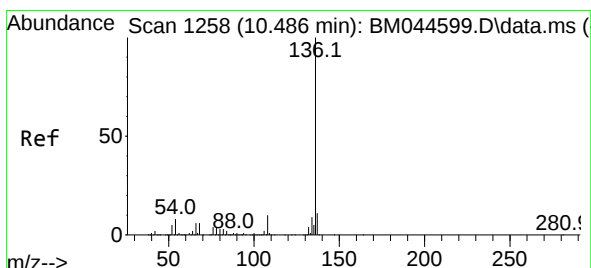
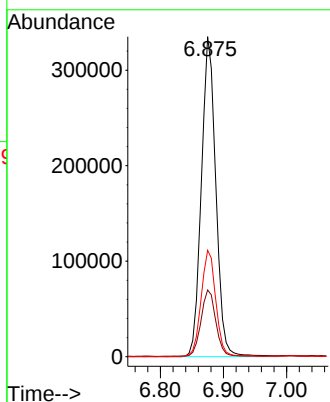
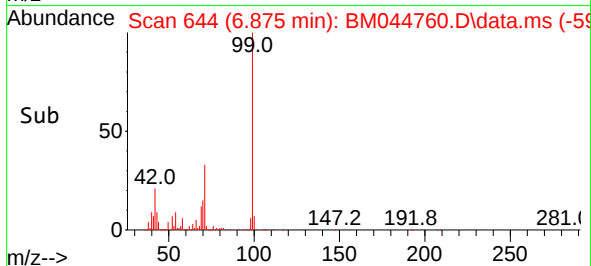
Instrument :
BNA_M
ClientSampleId :
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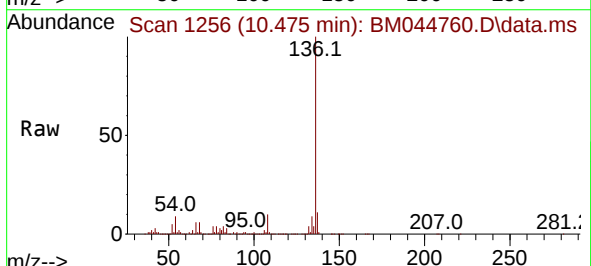
Tgt Ion: 99 Resp: 53244
Ion Ratio Lower Upper
99 100
42 20.9 14.3 21.5
71 33.3 24.5 36.7

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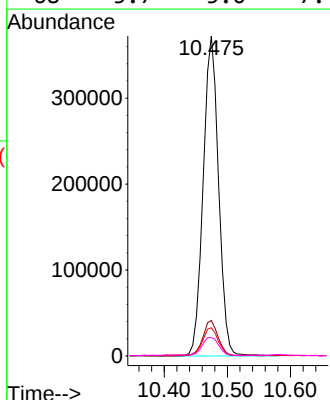
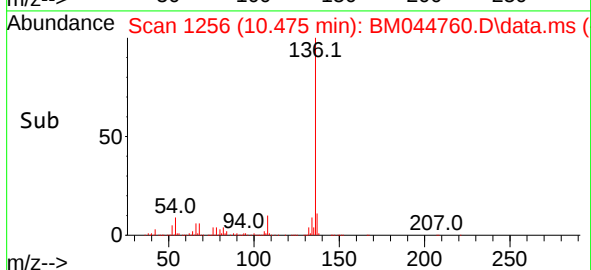
Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.475 min Scan# 1256
Delta R.T. -0.012 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47



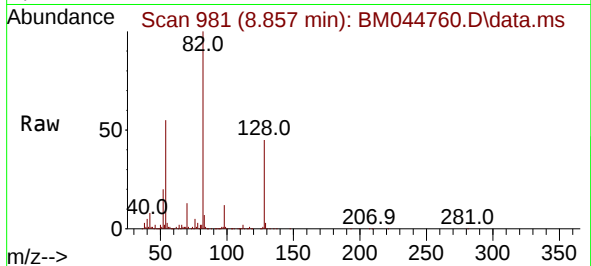
Tgt Ion:136 Resp: 631207
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 8.8 6.6 10.0
68 5.7 5.0 7.4





#23
Nitrobenzene-d5
Concen: 24.561 ng
RT: 8.857 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47

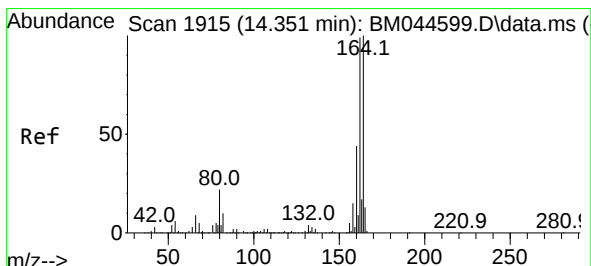
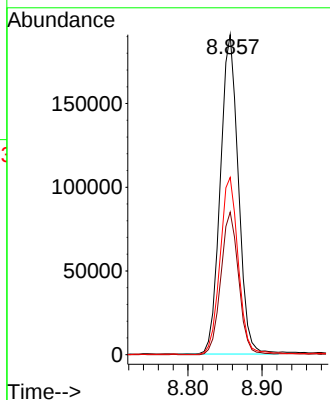
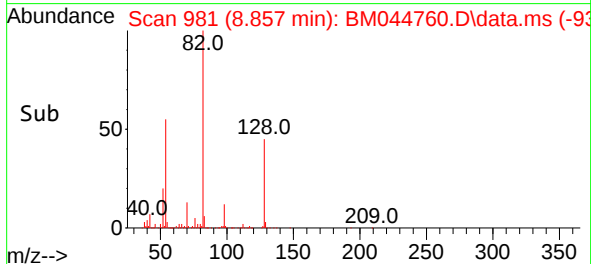
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-A



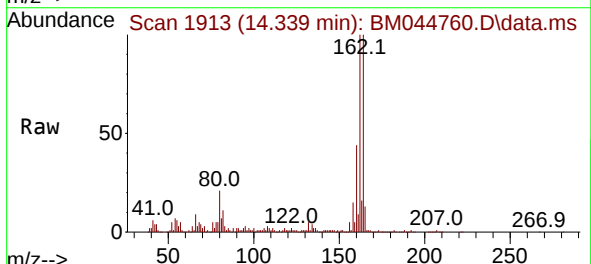
Tgt Ion: 82 Resp: 321808
Ion Ratio Lower Upper
82 100
128 44.6 34.2 51.4
54 55.4 41.3 61.9

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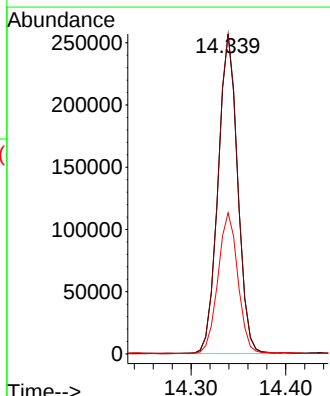
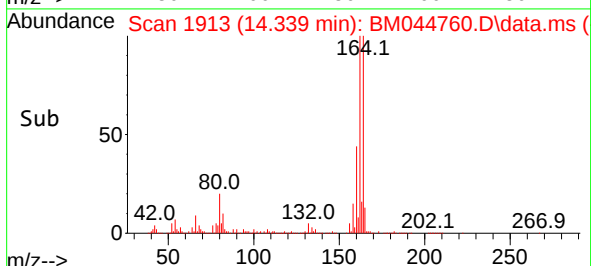
Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024

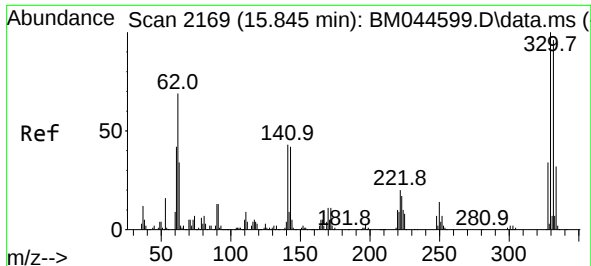


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.339 min Scan# 1913
Delta R.T. -0.012 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47



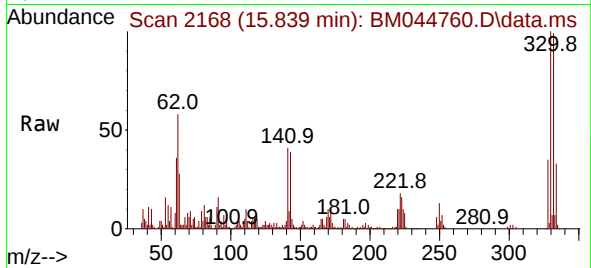
Tgt Ion:164 Resp: 367684
Ion Ratio Lower Upper
164 100
162 100.0 79.3 118.9
160 44.1 35.2 52.8





#42
2,4,6-Tribromophenol
Concen: 43.430 ng
RT: 15.839 min Scan# 2169
Delta R.T. -0.006 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47

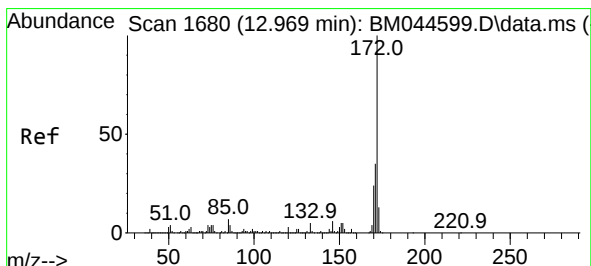
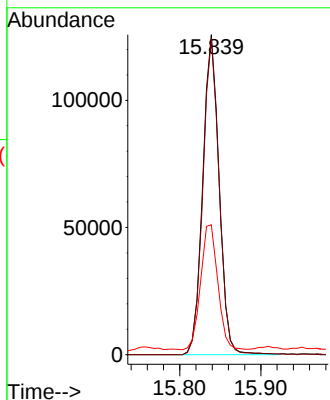
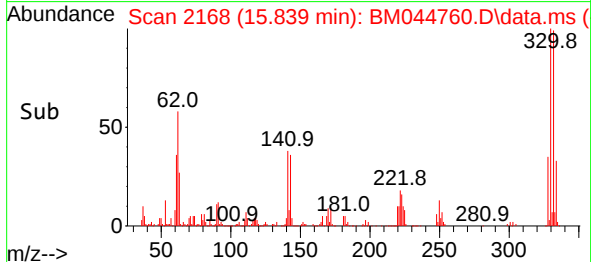
Instrument :
BNA_M
ClientSampleId :
EO-01-03222024-A



Tgt Ion:330 Resp: 176120
Ion Ratio Lower Upper
330 100
332 98.2 77.8 116.8
141 41.9 33.4 50.0

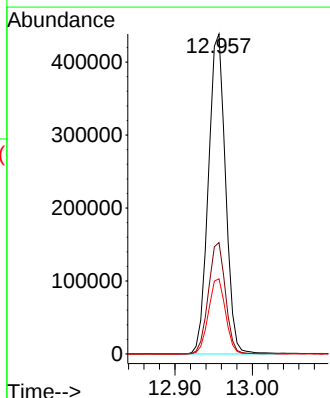
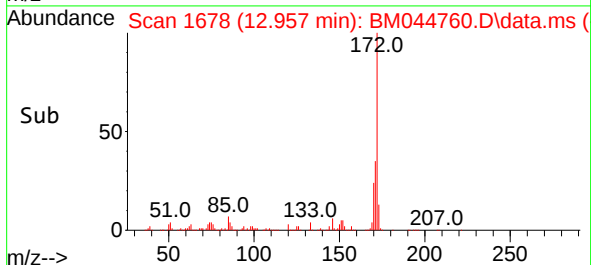
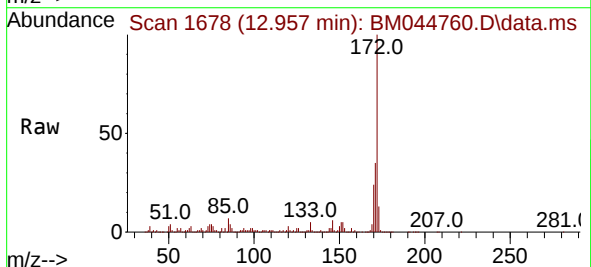
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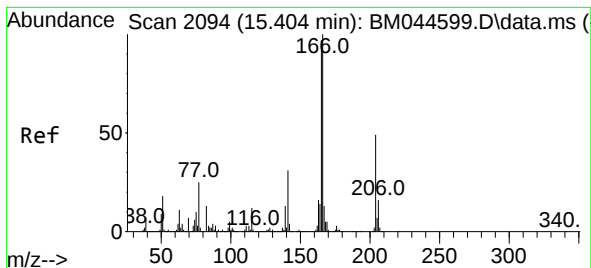
Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#45
2-Fluorobiphenyl
Concen: 25.192 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47

Tgt Ion:172 Resp: 672575
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.5 19.0 28.6





#58

Fluorene

Concen: 2.092 ng

RT: 15.392 min Scan# 2094

Delta R.T. -0.012 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Instrument :

BNA_M

ClientSampleId :

EO-01-03222024-A

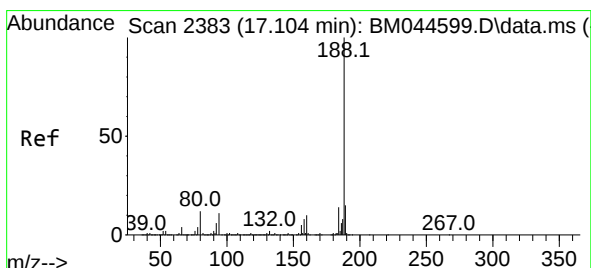
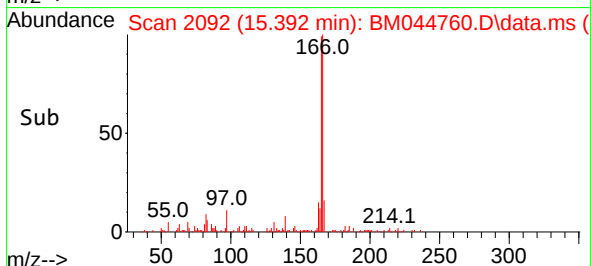
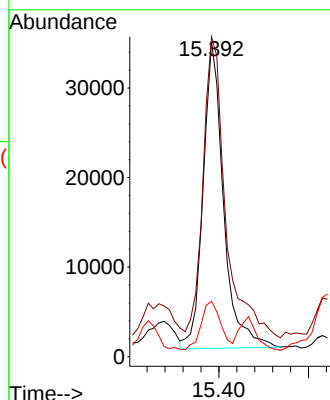
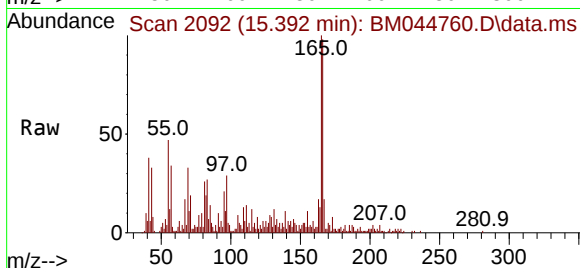
Tgt Ion:166 Resp: 5414

Ion	Ratio	Lower	Upper
166	100		
165	101.7	77.7	116.5
167	17.6	10.8	16.2

Manual Integrations

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Supervised By :mohammad ahmed 03/27/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.098 min Scan# 2382

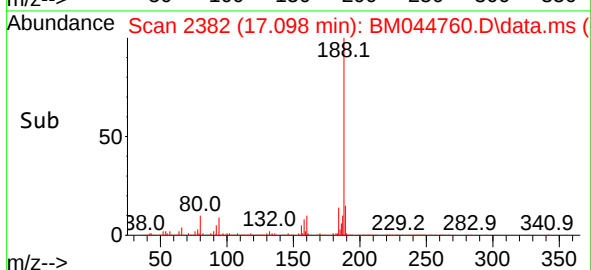
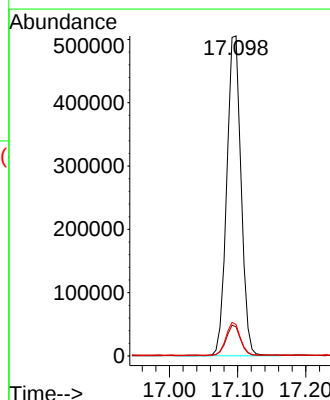
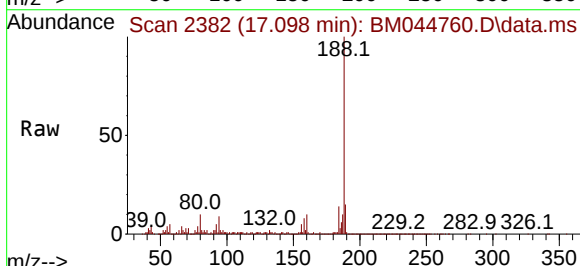
Delta R.T. -0.006 min

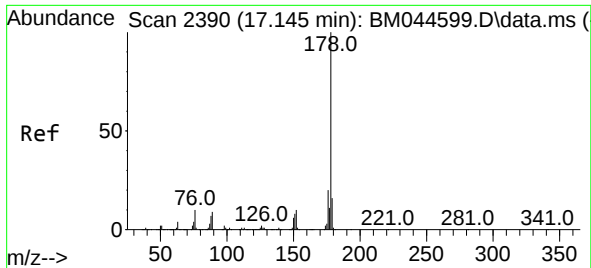
Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Tgt Ion:188 Resp: 737449

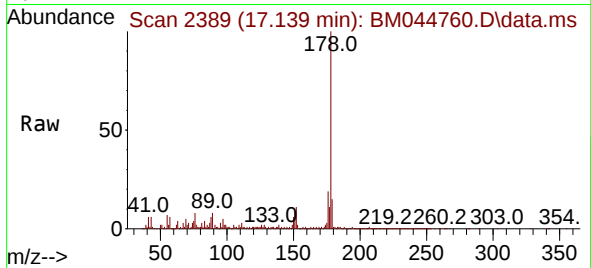
Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.4	12.6
80	9.9	9.4	14.0





#71
Phenanthrene
Concen: 9.459 ng
RT: 17.139 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47

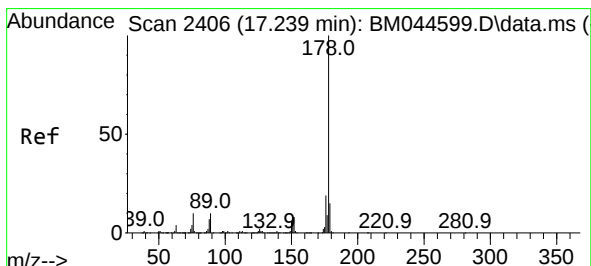
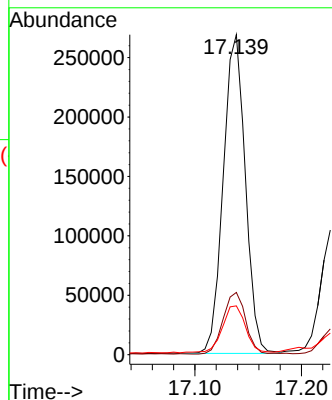
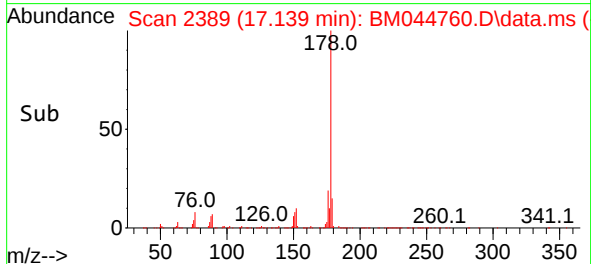
Instrument :
BNA_M
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EO-01-03222024-A



Tgt Ion:178 Resp: 385464
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.2 12.4 18.6

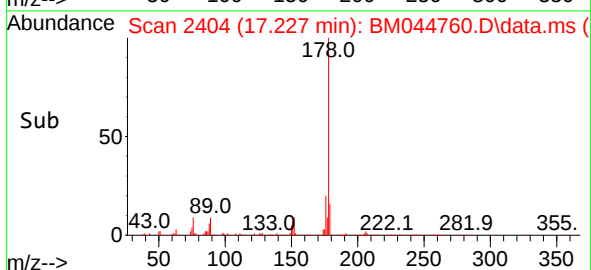
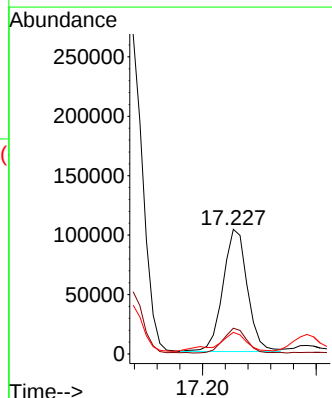
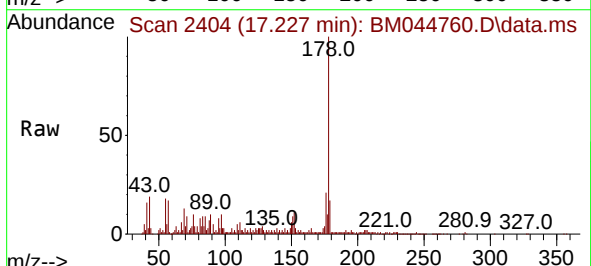
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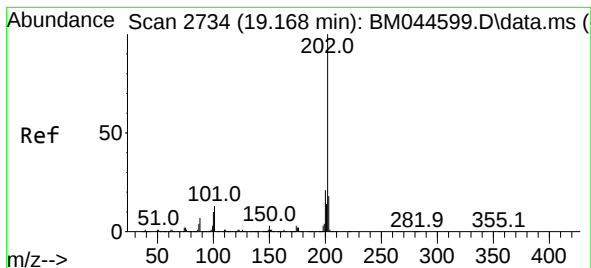
Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#72
Anthracene
Concen: 3.763 ng
RT: 17.227 min Scan# 2404
Delta R.T. -0.012 min
Lab File: BM044760.D
Acq: 25 Mar 2024 17:47

Tgt Ion:178 Resp: 153807
Ion Ratio Lower Upper
178 100
176 20.8 15.3 22.9
179 17.3 12.2 18.4





#75

Fluoranthene

Concen: 13.024 ng

RT: 19.162 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Instrument :

BNA_M

ClientSampleId :

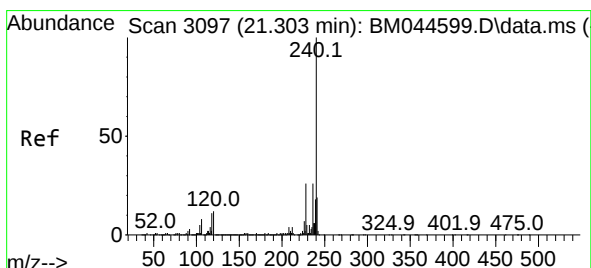
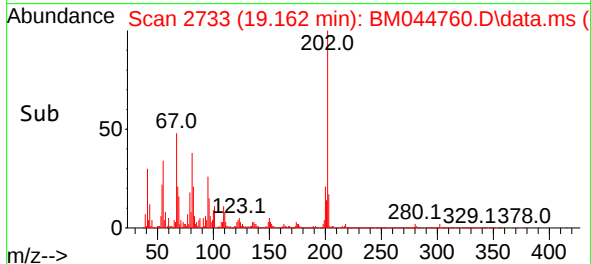
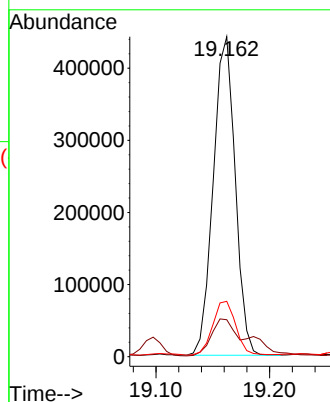
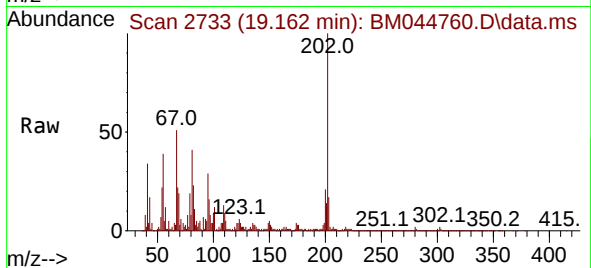
EO-01-03222024-A

Tgt Ion:	202	Resp:	59333
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	33.3
203	17.3	0.0	37.7

Manual Integrations

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#76

Chrysene-d12

Concen: 20.000 ng

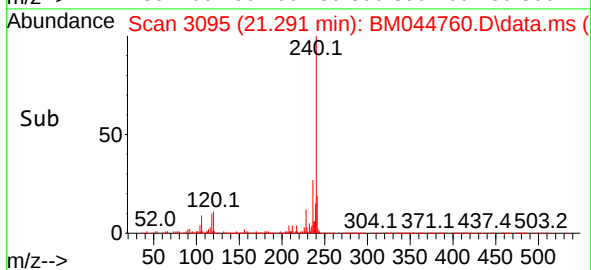
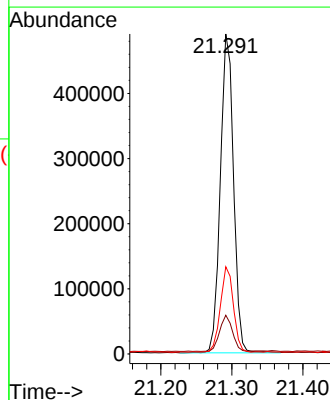
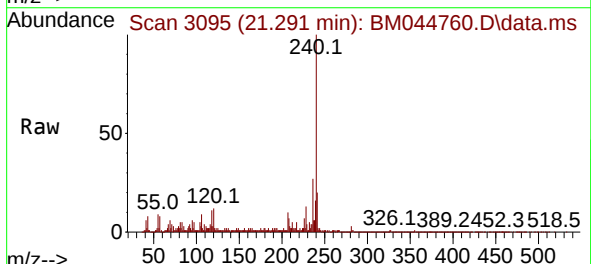
RT: 21.291 min Scan# 3095

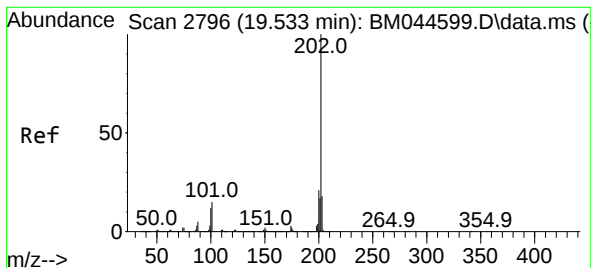
Delta R.T. -0.012 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Tgt Ion:	240	Resp:	628210
Ion Ratio	Lower	Upper	
240	100		
120	12.1	9.7	14.5
236	27.3	21.0	31.4





#78

Pyrene

Concen: 13.618 ng

RT: 19.527 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Instrument :

BNA_M

ClientSampleId :

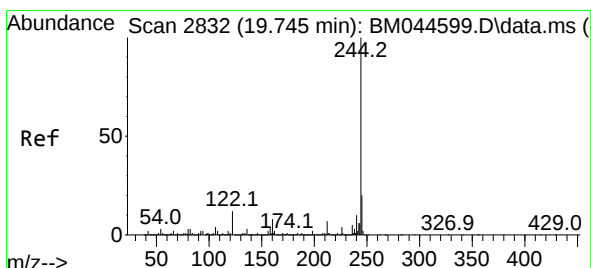
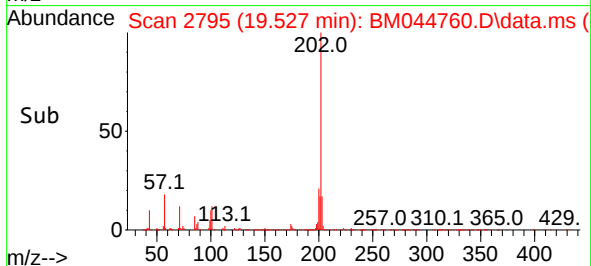
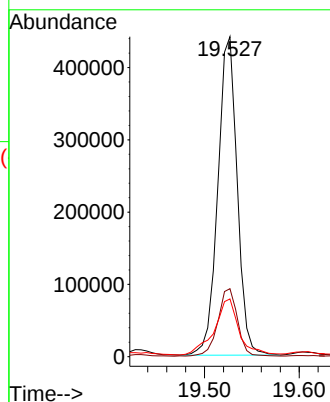
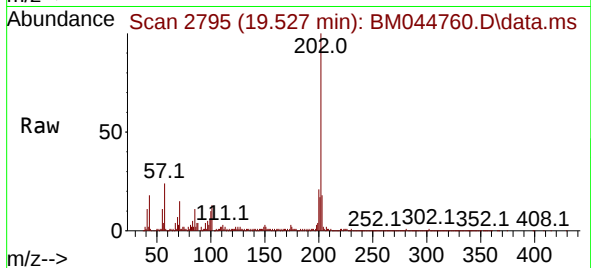
EO-01-03222024-A

Tgt Ion:	202	Resp:	627010
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.0	25.4
203	18.0	14.1	21.1

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#79

Terphenyl-d14

Concen: 26.095 ng

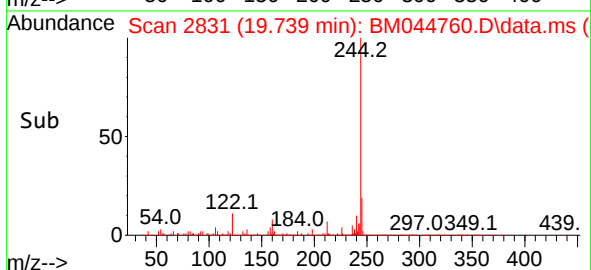
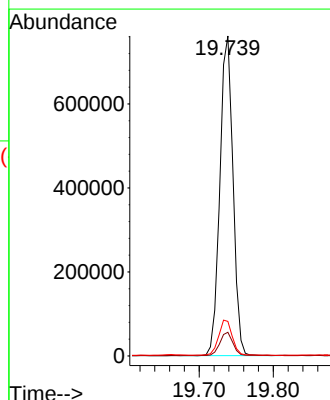
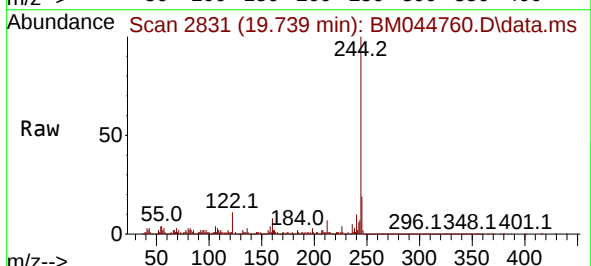
RT: 19.739 min Scan# 2831

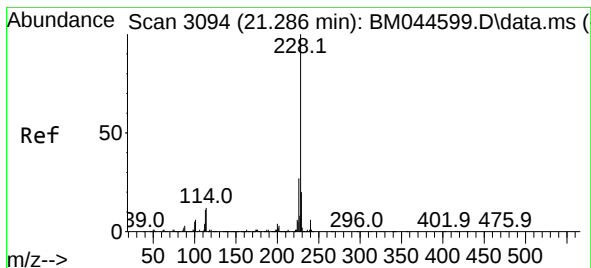
Delta R.T. -0.006 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Tgt Ion:	244	Resp:	937107
Ion Ratio	Lower	Upper	
244	100		
212	7.4	5.5	8.3
122	10.8	9.7	14.5





#81

Benzo(a)anthracene

Concen: 6.204 ng m

RT: 21.280 min Scan# 30

Delta R.T. -0.006 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Instrument :

BNA_M

ClientSampleId :

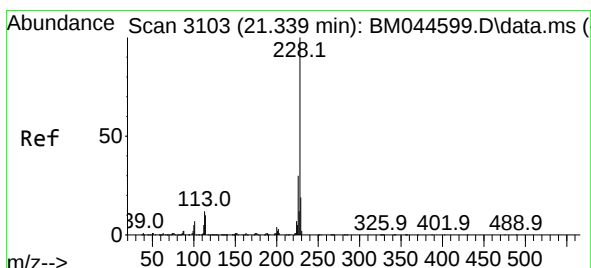
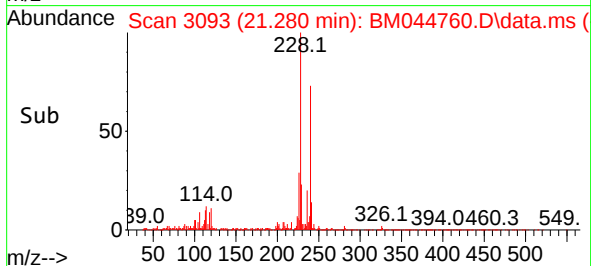
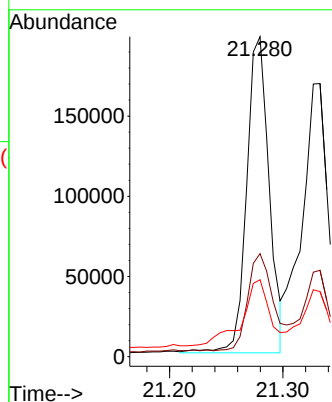
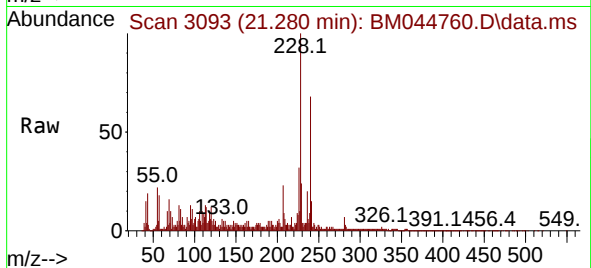
EO-01-03222024-A

Tgt Ion:	228	Resp:	271198
Ion Ratio	Lower	Upper	
228	100		
226	32.2	21.9	32.9
229	24.1	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#83

Chrysene

Concen: 6.368 ng m

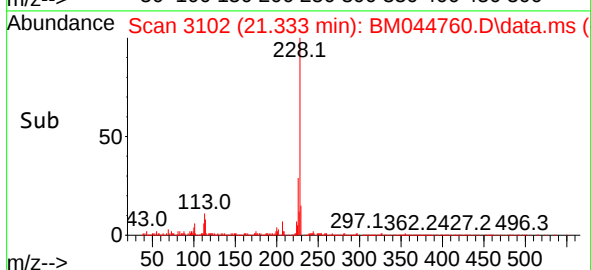
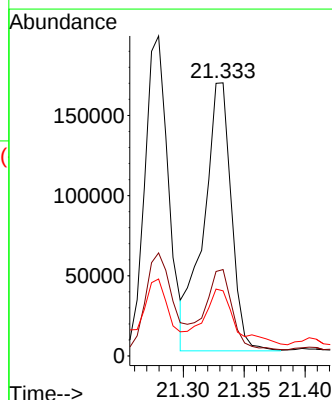
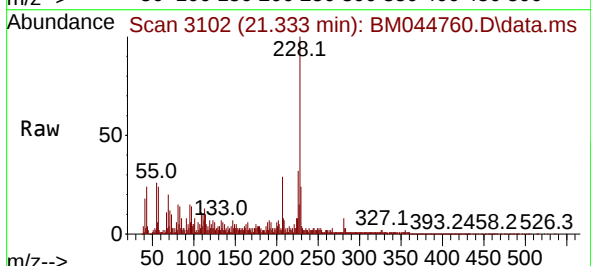
RT: 21.333 min Scan# 3102

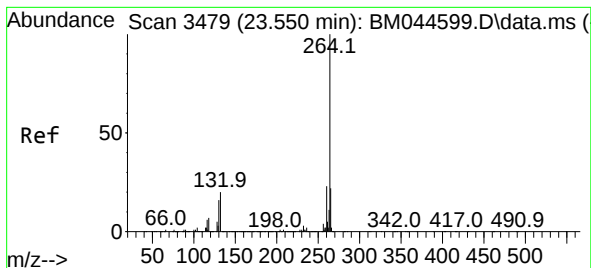
Delta R.T. -0.006 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Tgt Ion:	228	Resp:	265971
Ion Ratio	Lower	Upper	
228	100		
226	31.6	23.6	35.4
229	23.9	15.5	23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.544 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Instrument :

BNA_M

ClientSampleId :

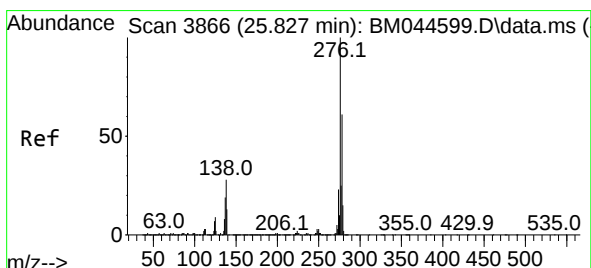
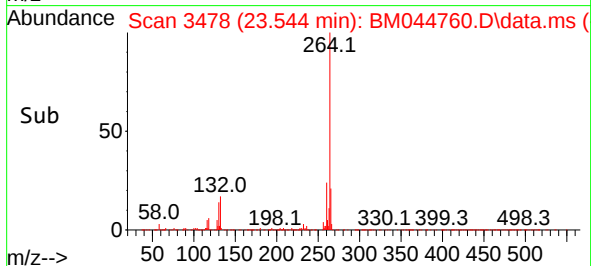
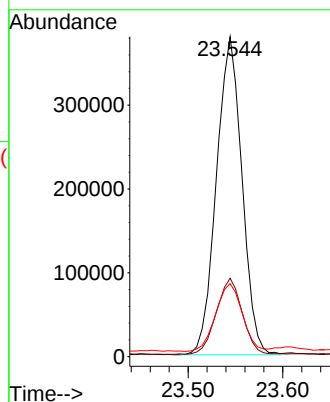
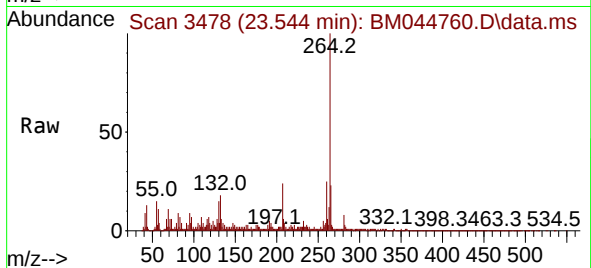
EO-01-03222024-A

Tgt Ion:	264	Resp:	71203
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.3	27.5
265	22.9	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.004 ng

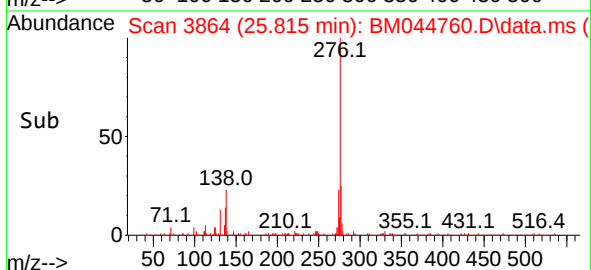
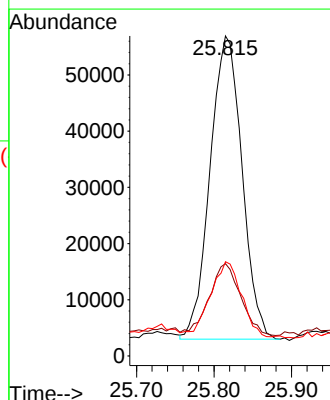
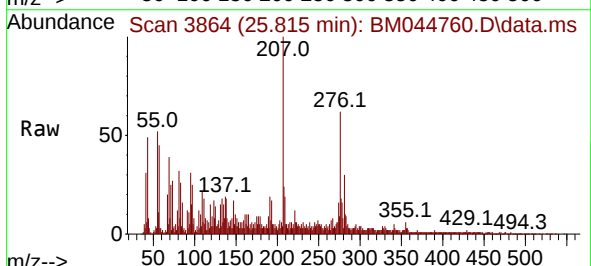
RT: 25.815 min Scan# 3864

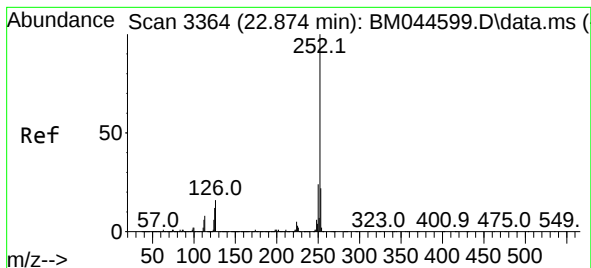
Delta R.T. -0.012 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Tgt Ion:	276	Resp:	154644
Ion Ratio	Lower	Upper	
276	100		
138	23.4	23.6	35.4#
277	23.8	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 7.082 ng

RT: 22.868 min Scan# 3364

Delta R.T. -0.006 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Instrument :

BNA_M

ClientSampleId :

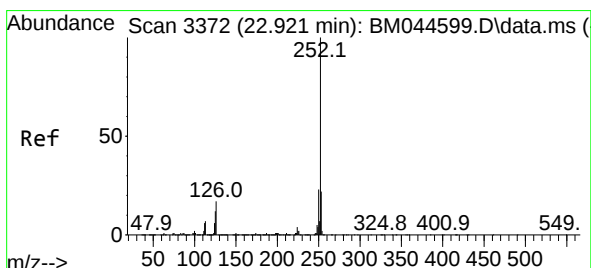
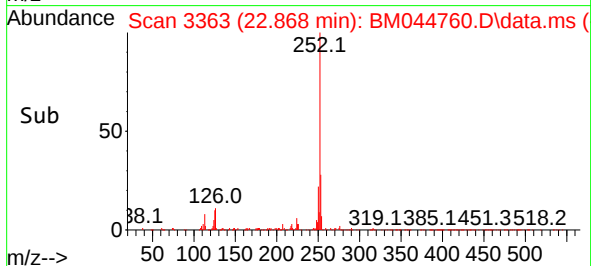
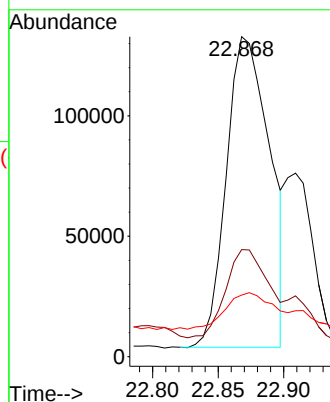
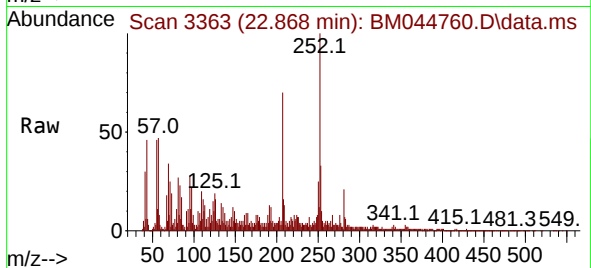
EO-01-03222024-A

Tgt Ion:252 Resp: 296337
Ion Ratio Lower Upper
252 100
253 33.5 17.8 26.8#
125 19.3 9.6 14.4#

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#89

Benzo(k)fluoranthene

Concen: 2.698 ng m

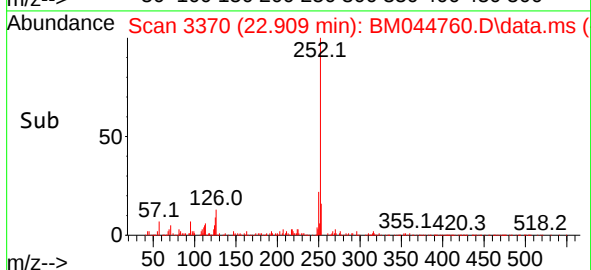
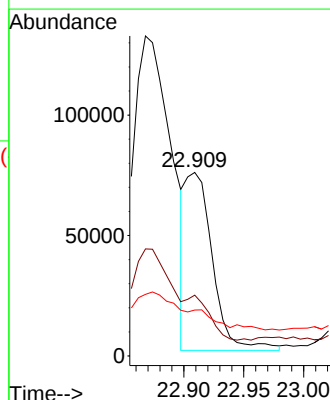
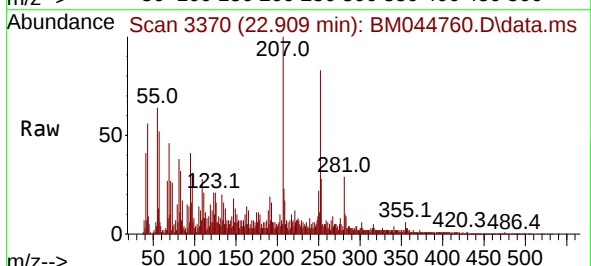
RT: 22.909 min Scan# 3370

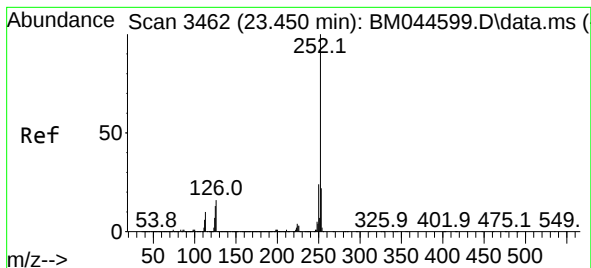
Delta R.T. -0.012 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Tgt Ion:252 Resp: 116065
Ion Ratio Lower Upper
252 100
253 33.2 17.6 26.4#
125 25.0 9.4 14.0#





#90

Benzo(a)pyrene

Concen: 5.749 ng

RT: 23.444 min Scan# 3462

Delta R.T. -0.006 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Instrument :

BNA_M

ClientSampleId :

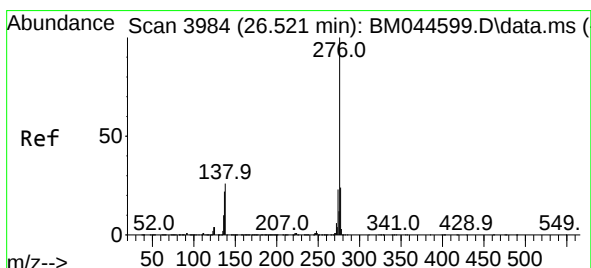
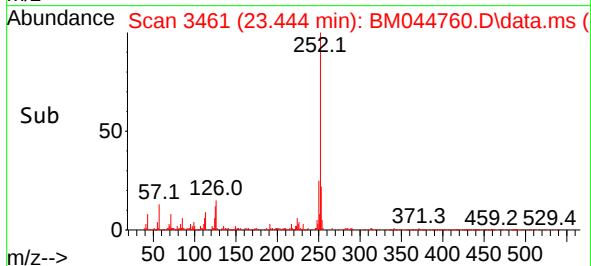
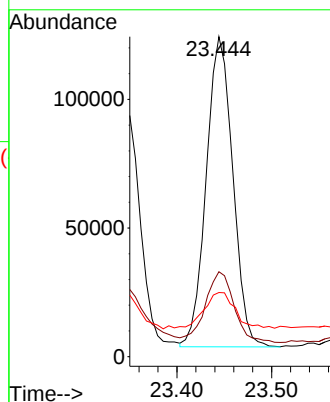
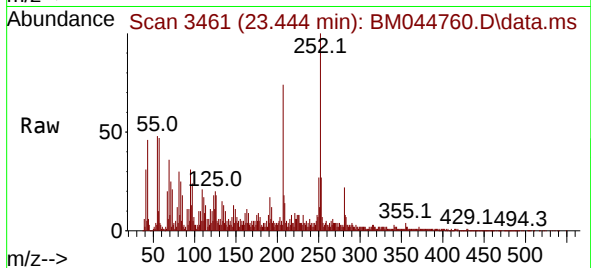
EO-01-03222024-A

Tgt Ion:	252	Resp:	23462
Ion Ratio	Lower	Upper	
252	100		
253	26.5	17.7	26.5
125	20.1	10.5	15.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 03/26/2024
Supervised By :mohammad ahmed 03/27/2024



#92

Benzo(g,h,i)perylene

Concen: 3.958 ng

RT: 26.509 min Scan# 3982

Delta R.T. -0.012 min

Lab File: BM044760.D

Acq: 25 Mar 2024 17:47

Tgt Ion:	276	Resp:	169062
Ion Ratio	Lower	Upper	
276	100		
277	30.1	19.3	28.9
138	26.1	20.7	31.1

