

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
 Data File : BF138046.D
 Acq On : 28 May 2024 14:39
 Operator : CG\JU
 Sample : P2615-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251686

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/30/2024

Quant Time: May 28 15:05:43 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 15 04:12:16 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.034	152	151115	20.000	ng	-0.01
21) Naphthalene-d8	8.316	136	566172	20.000	ng	-0.01
39) Acenaphthene-d10	10.080	164	286231	20.000	ng	0.00
64) Phenanthrene-d10	11.574	188	376773	20.000	ng	0.00
76) Chrysene-d12	14.233	240	282134	20.000	ng	0.00
86) Perylene-d12	15.798	264	250803	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.663	112	918105	103.202	ng	0.00
7) Phenol-d6	6.651	99	1202929	109.769	ng	0.00
23) Nitrobenzene-d5	7.598	82	700185	72.780	ng	-0.01
42) 2,4,6-Tribromophenol	10.875	330	302191	104.707	ng	0.00
45) 2-Fluorobiphenyl	9.392	172	1505921	81.043	ng	0.00
79) Terphenyl-d14	13.163	244	1169255	61.079	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.110	154	38867	2.552	ng	99
58) Fluorene	10.627	166	56481	3.222	ng	98
71) Phenanthrene	11.604	178	758481	40.851	ng	100
72) Anthracene	11.651	178	161108	8.745	ng	98
73) Carbazole	11.804	167	81463	4.841	ng	99
75) Fluoranthene	12.798	202	988091	52.430	ng	99
78) Pyrene	13.033	202	868918	35.212	ng	100
81) Benzo(a)anthracene	14.221	228	474366	26.576	ng	98
83) Chrysene	14.257	228	464491m	27.210	ng	
84) Bis(2-ethylhexyl)phtha...	14.186	149	25290	2.703	ng	98
87) Indeno(1,2,3-cd)pyrene	17.421	276	150104	9.315	ng	95
88) Benzo(b)fluoranthene	15.327	252	473864m	32.632	ng	
89) Benzo(k)fluoranthene	15.357	252	170221m	11.932	ng	
90) Benzo(a)pyrene	15.727	252	310788	25.063	ng	96
91) Dibenzo(a,h)anthracene	17.433	278	40929m	3.074	ng	
92) Benzo(g,h,i)perylene	17.921	276	141619	10.126	ng	98

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

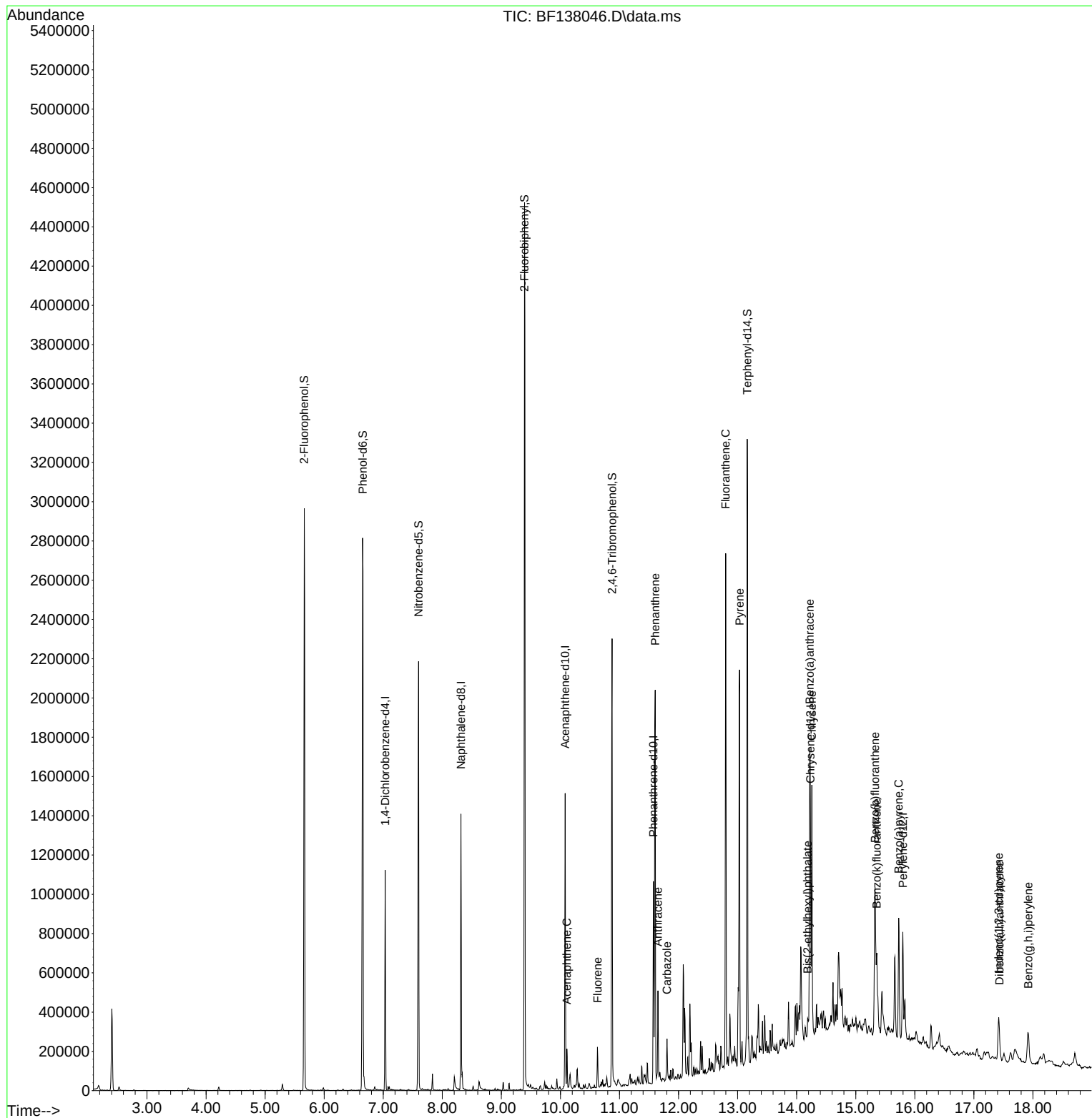
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052824\
Data File : BF138046.D
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ALS Vial : 10 Sample Multiplier: 1

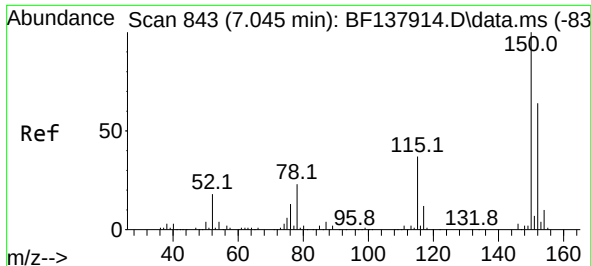
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Quant Time: May 28 15:05:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF051424.M
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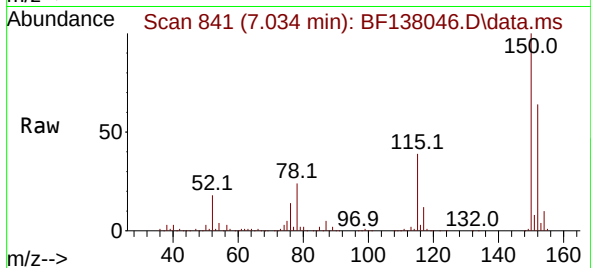
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.034 min Scan# 841
Delta R.T. -0.011 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

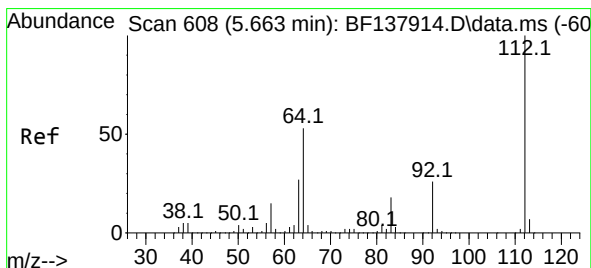
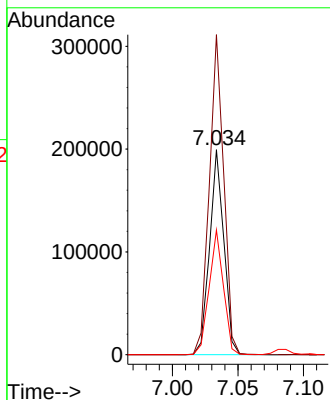
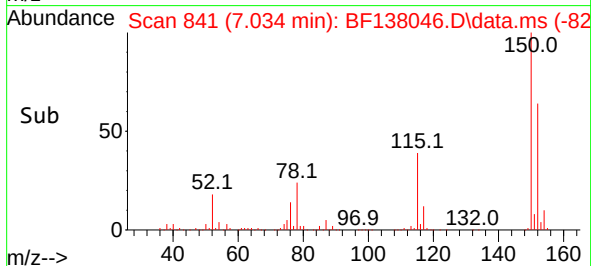
Instrument :
BNA_F
ClientSampleId :
RBR251686



Tgt Ion:152 Resp: 151115
Ion Ratio Lower Upper
152 100
150 156.1 125.7 188.5
115 60.8 47.0 70.6

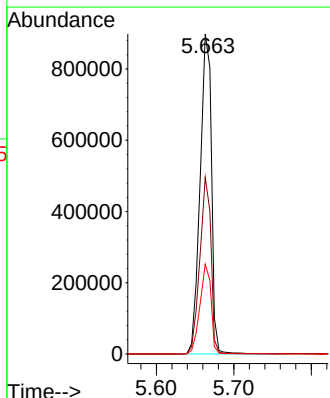
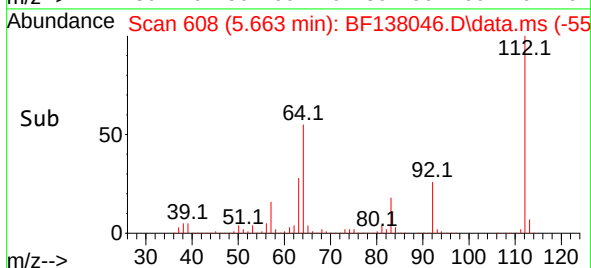
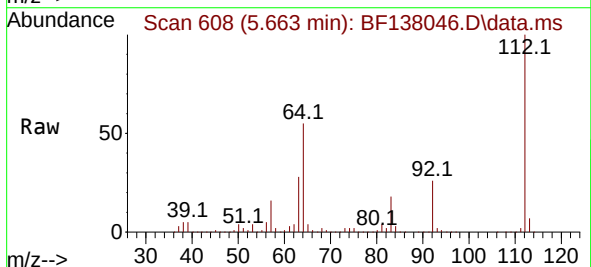
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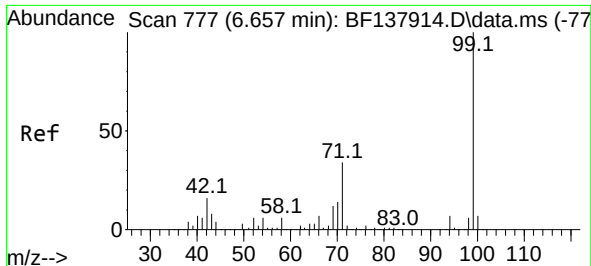
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#5
2-Fluorophenol
Concen: 103.202 ng
RT: 5.663 min Scan# 608
Delta R.T. 0.000 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

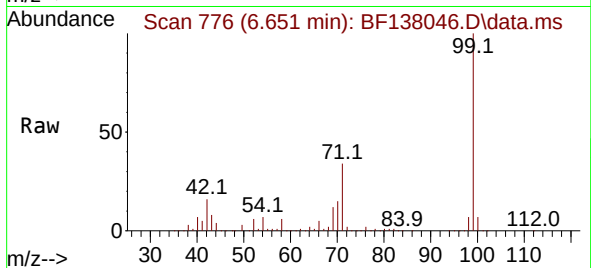
Tgt Ion:112 Resp: 918105
Ion Ratio Lower Upper
112 100
64 55.3 42.4 63.6
63 28.0 21.4 32.2





#7
Phenol-d6
Concen: 109.769 ng
RT: 6.651 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

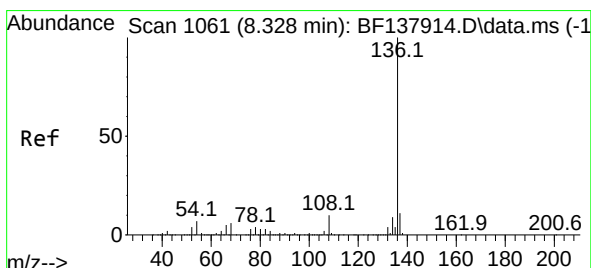
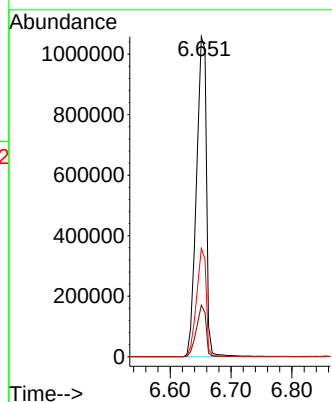
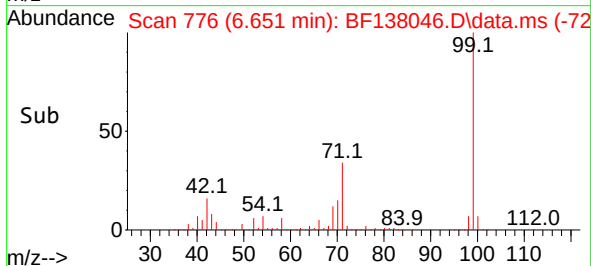
Instrument :
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ClientSampleId :
RBR251686



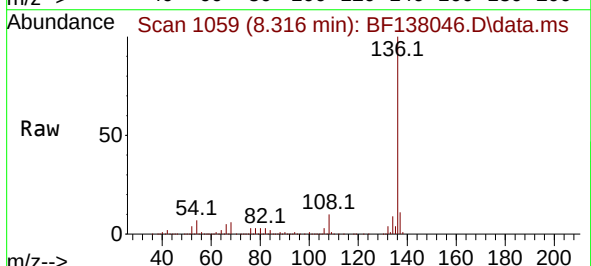
Tgt Ion: 99 Resp: 1202929
Ion Ratio Lower Upper
99 100
42 16.1 12.6 18.8
71 33.9 27.1 40.7

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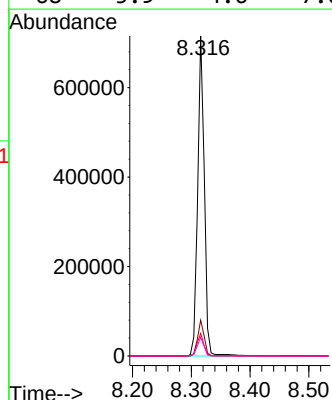
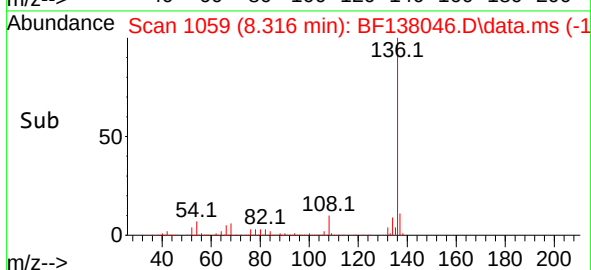
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

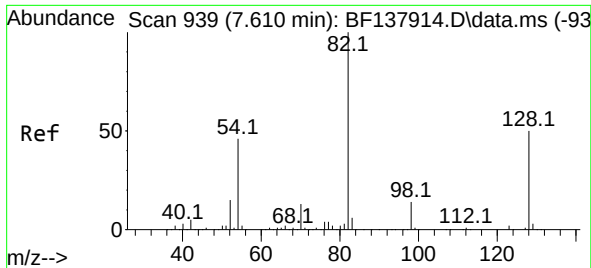


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39



Tgt Ion:136 Resp: 566172
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 7.1 5.4 8.2
68 5.9 4.6 7.0





#23
Nitrobenzene-d5
Concen: 72.780 ng
RT: 7.598 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

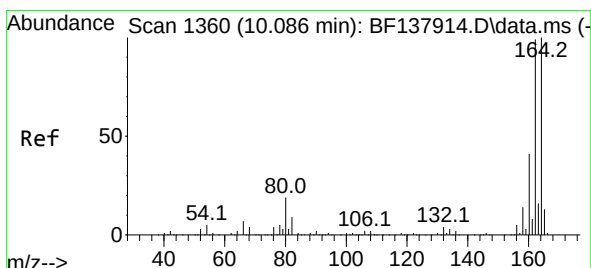
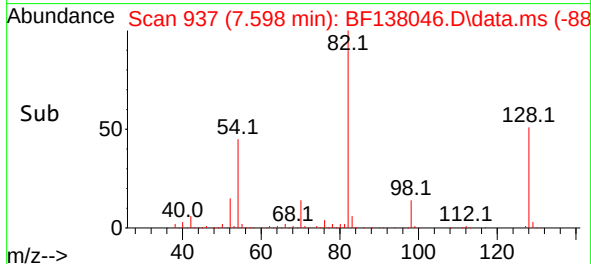
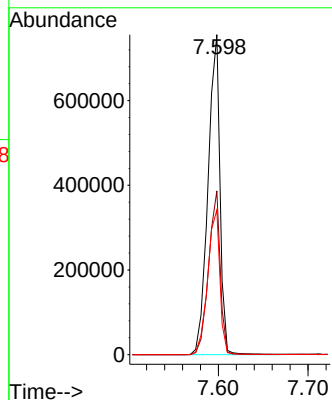
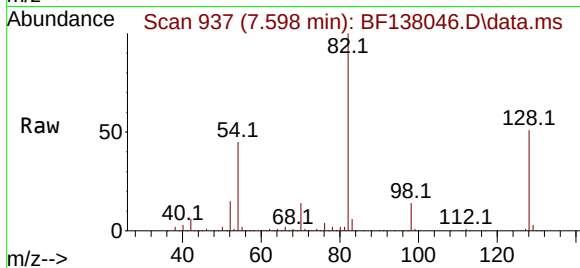
RBR251686

Tgt Ion: 82 Resp: 70018
Ion Ratio Lower Upper
82 100
128 51.2 40.3 60.5
54 45.2 36.8 55.2

Manual Integrations

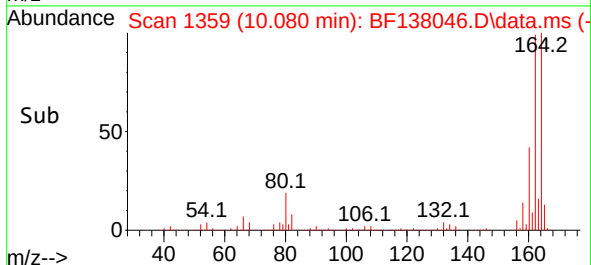
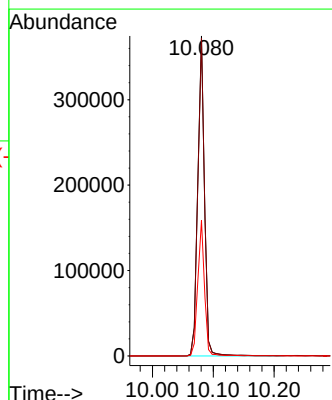
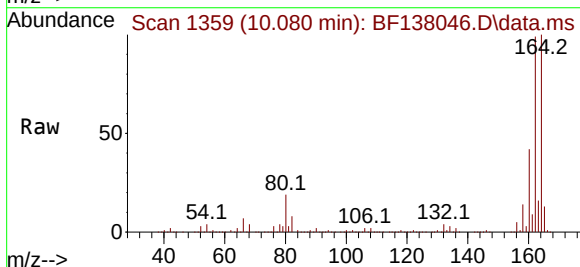
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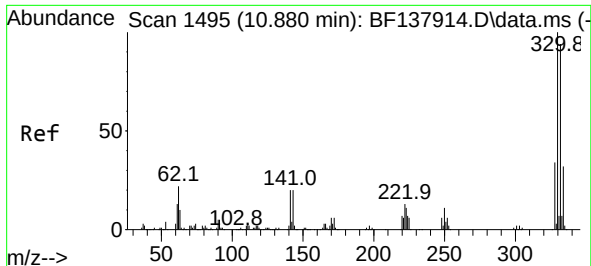
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.080 min Scan# 1359
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

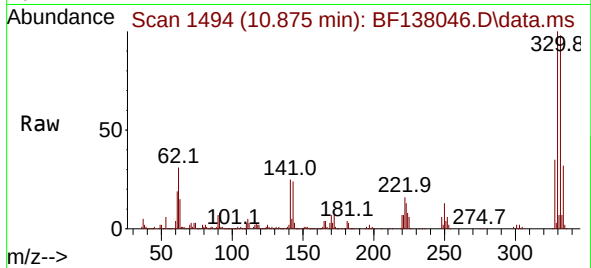
Tgt Ion:164 Resp: 286231
Ion Ratio Lower Upper
164 100
162 99.3 79.4 119.2
160 42.3 33.1 49.7





#42
2,4,6-Tribromophenol
Concen: 104.707 ng
RT: 10.875 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

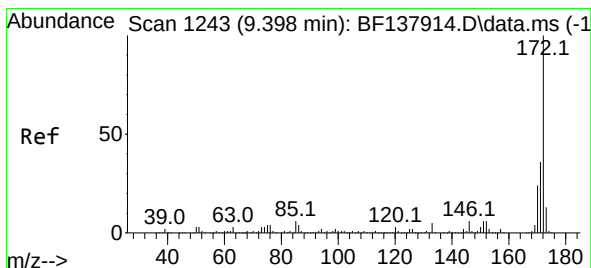
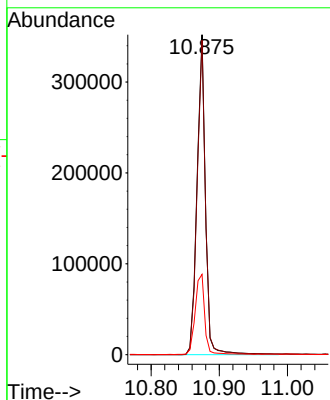
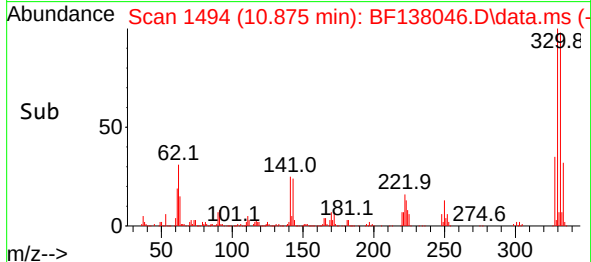
Instrument :
BNA_F
ClientSampleId :
RBR251686



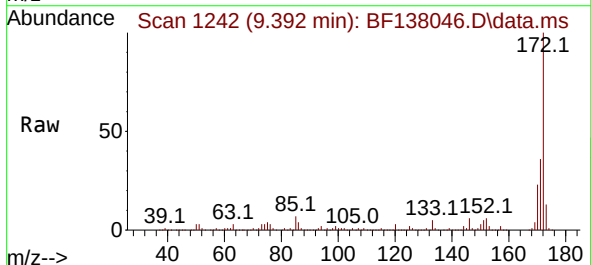
Tgt Ion: 330 Resp: 30219
Ion Ratio Lower Upper
330 100
332 98.0 75.8 113.8
141 29.0 23.8 35.6

Manual Integrations
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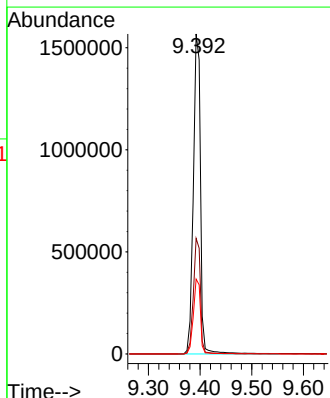
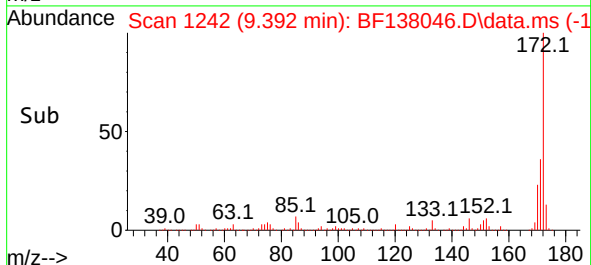
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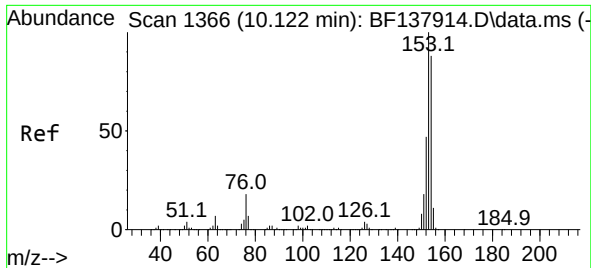


#45
2-Fluorobiphenyl
Concen: 81.043 ng
RT: 9.392 min Scan# 1242
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39



Tgt Ion: 172 Resp: 1505921
Ion Ratio Lower Upper
172 100
171 36.1 28.9 43.3
170 23.4 18.9 28.3





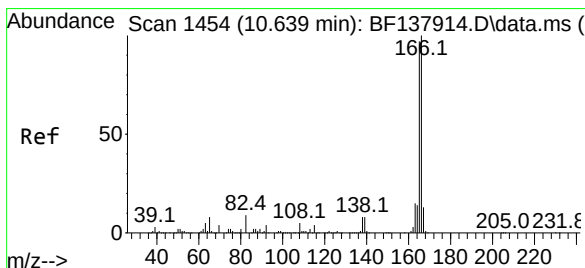
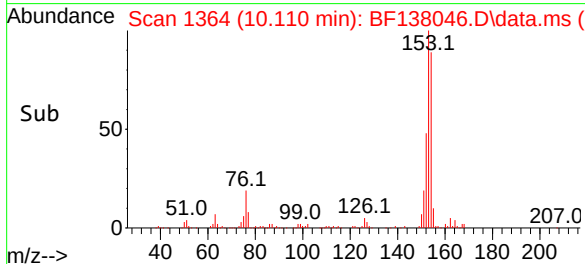
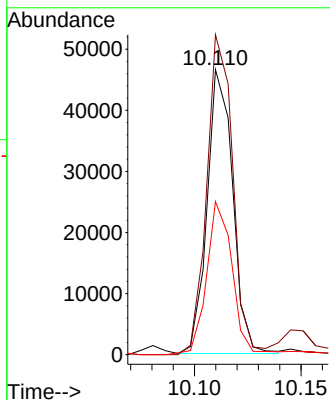
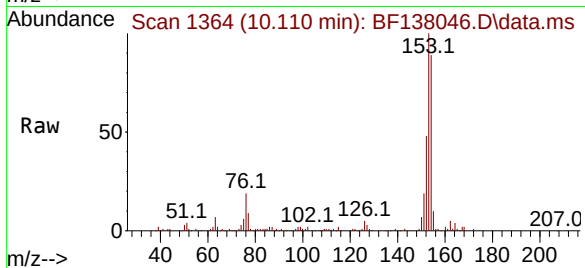
#52
Acenaphthene
Concen: 2.552 ng
RT: 10.110 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Instrument :
BNA_F
ClientSampleId :
RBR251686

Tgt Ion:154 Resp: 3886
Ion Ratio Lower Upper
154 100
153 112.2 90.4 135.6
152 53.7 42.3 63.5

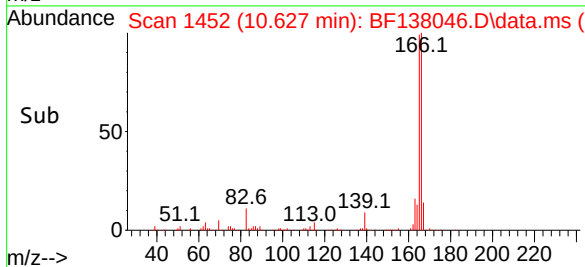
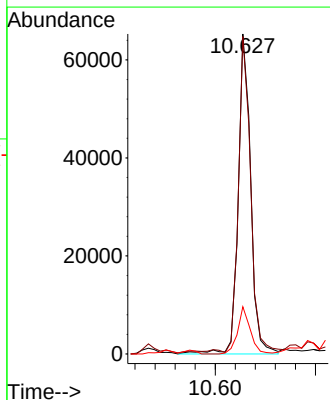
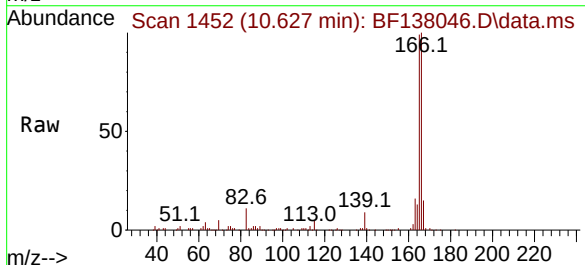
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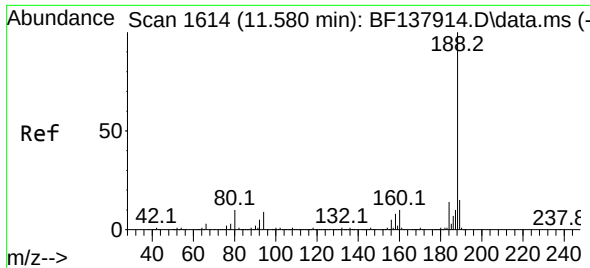
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#58
Fluorene
Concen: 3.222 ng
RT: 10.627 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Tgt Ion:166 Resp: 56481
Ion Ratio Lower Upper
166 100
165 99.2 77.8 116.8
167 14.7 10.4 15.6





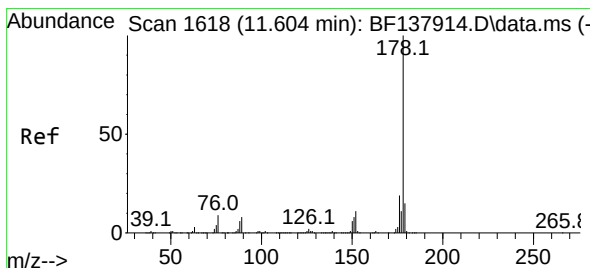
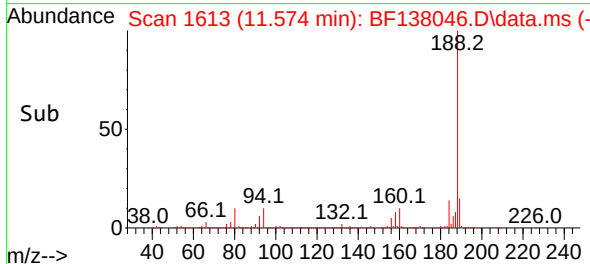
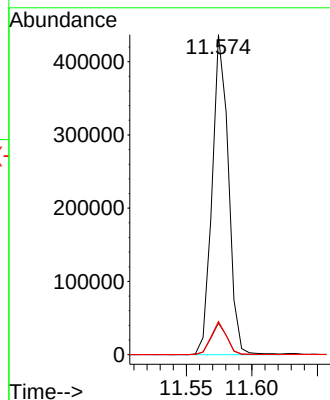
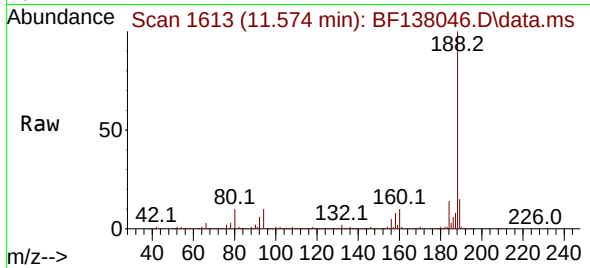
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.574 min Scan# 1613
Delta R.T. -0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Instrument :
BNA_F
ClientSampleId :
RBR251686

Tgt Ion:188 Resp: 376777
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.4 7.7 11.5

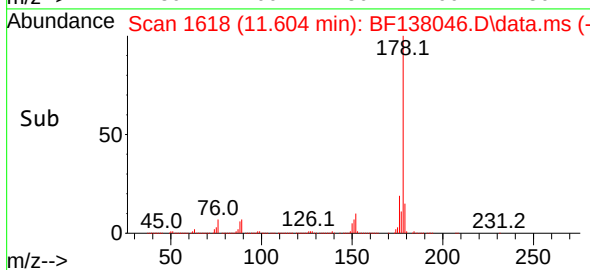
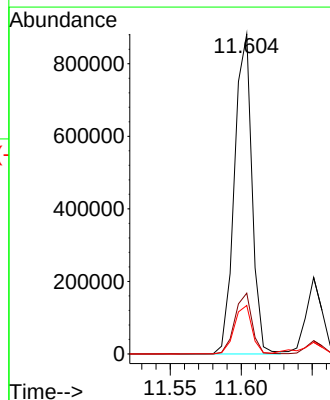
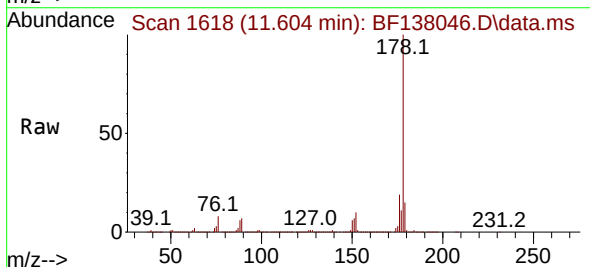
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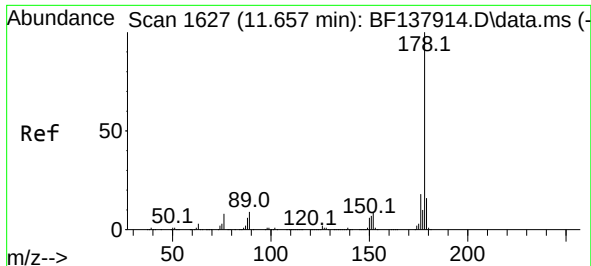
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#71
Phenanthrene
Concen: 40.851 ng
RT: 11.604 min Scan# 1618
Delta R.T. 0.000 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

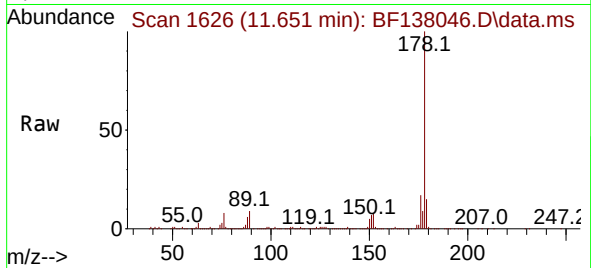
Tgt Ion:178 Resp: 758481
Ion Ratio Lower Upper
178 100
176 19.0 15.2 22.8
179 15.1 12.2 18.4





#72
 Anthracene
 Concen: 8.745 ng
 RT: 11.651 min Scan# 1626
 Delta R.T. -0.006 min
 Lab File: BF138046.D
 Acq: 28 May 2024 14:39

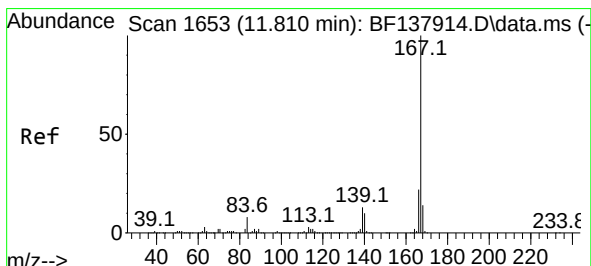
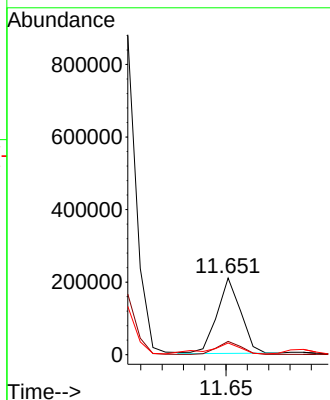
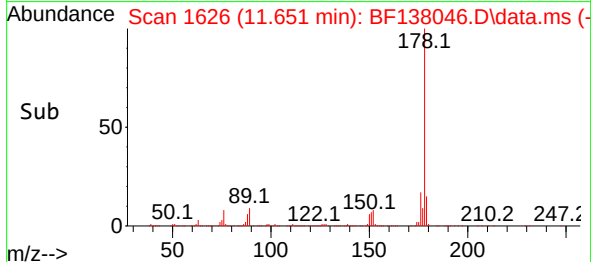
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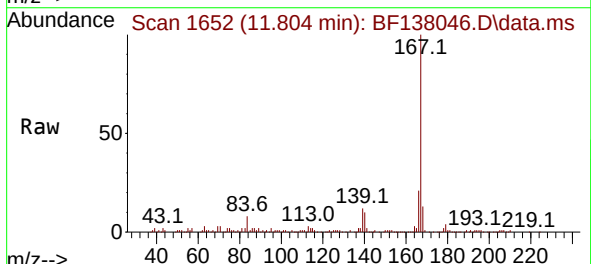
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 Ion Ratio Lower Upper
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 176 17.3 14.7 22.1
 179 15.2 12.4 18.6

Manual Integrations
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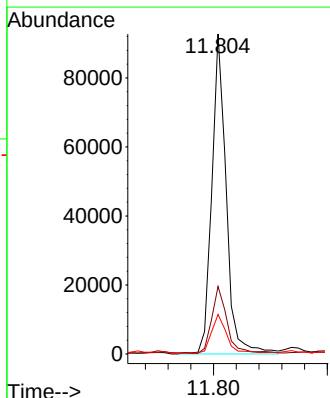
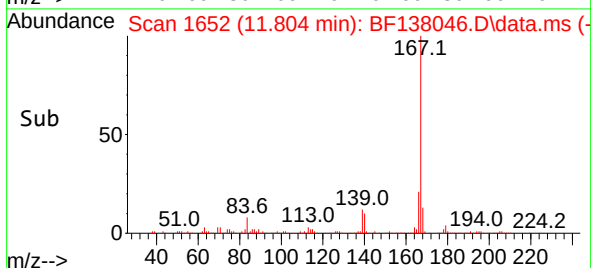
Reviewed By :Jagrut Upadhyay 05/29/2024
 Supervised By :mohammad ahmed 05/30/2024

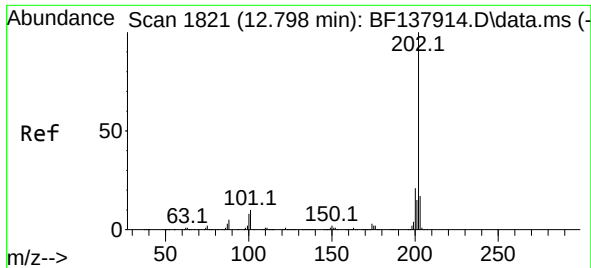


#73
 Carbazole
 Concen: 4.841 ng
 RT: 11.804 min Scan# 1652
 Delta R.T. -0.006 min
 Lab File: BF138046.D
 Acq: 28 May 2024 14:39



Tgt Ion:167 Resp: 81463
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.3 25.9
 139 12.4 10.3 15.5





#75
Fluoranthene
Concen: 52.430 ng
RT: 12.798 min Scan# 1821
Delta R.T. 0.000 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

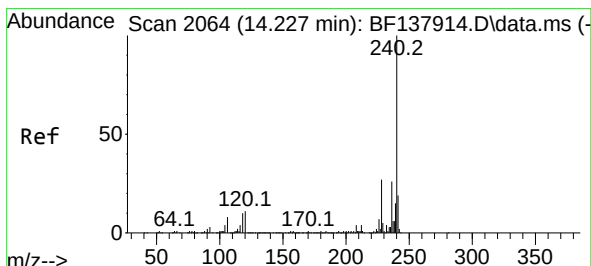
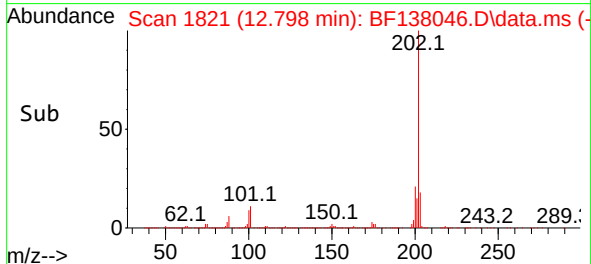
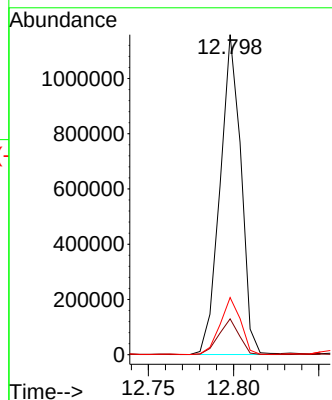
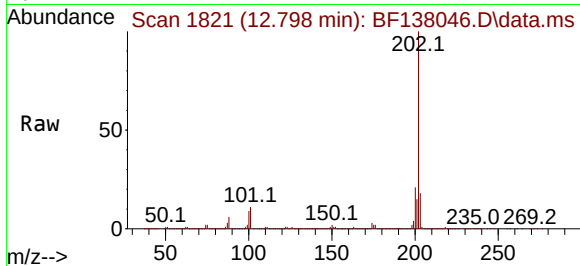
RBR251686

Tgt Ion:202 Resp: 98809
Ion Ratio Lower Upper
202 100
101 11.2 0.0 30.5
203 17.8 0.0 37.3

Manual Integrations

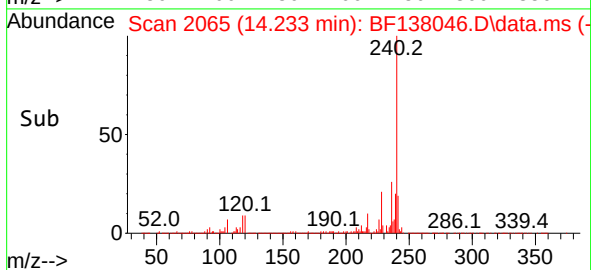
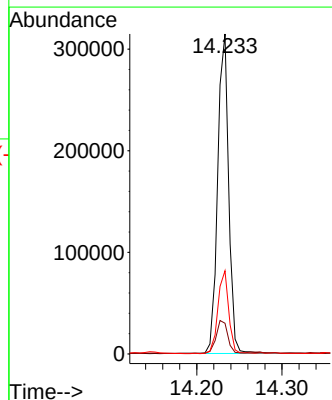
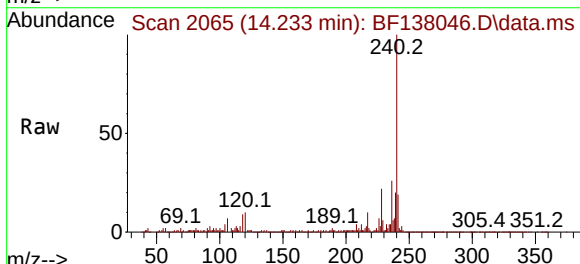
APPROVED

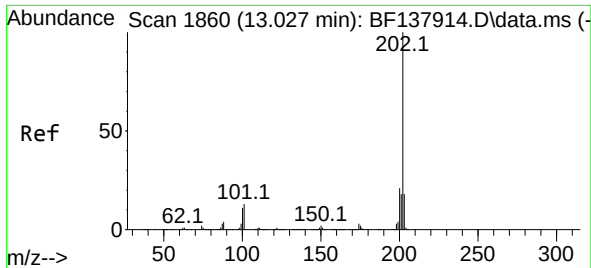
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.233 min Scan# 2065
Delta R.T. 0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

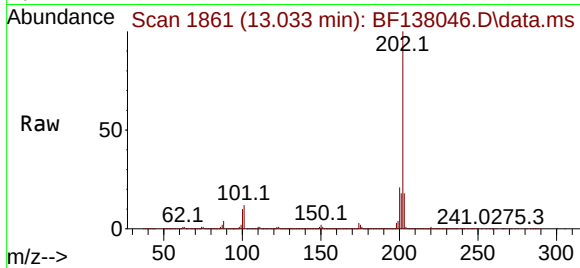
Tgt Ion:240 Resp: 282134
Ion Ratio Lower Upper
240 100
120 9.6 8.9 13.3
236 26.0 21.0 31.4





#78
Pyrene
Concen: 35.212 ng
RT: 13.033 min Scan# 1860
Delta R.T. 0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

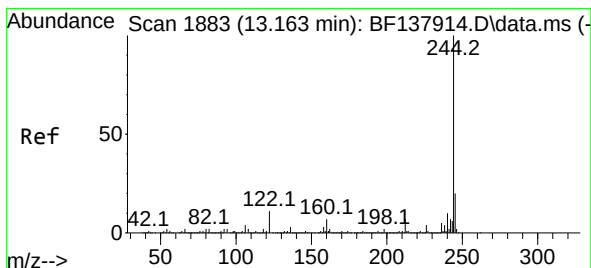
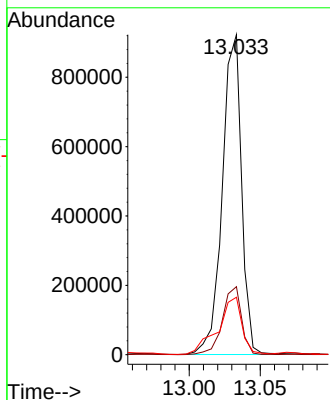
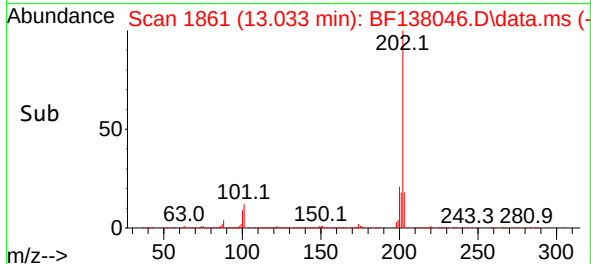
Instrument :
BNA_F
ClientSampleId :
RBR251686



Tgt Ion:202 Resp: 868918
Ion Ratio Lower Upper
202 100
200 21.2 17.0 25.4
203 18.0 14.1 21.1

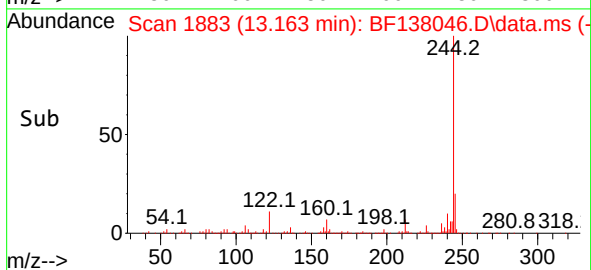
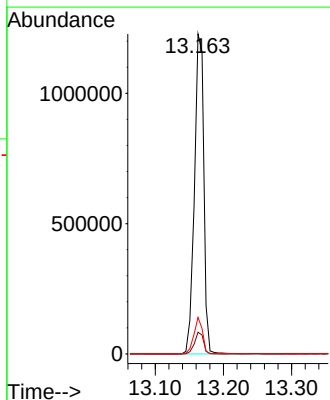
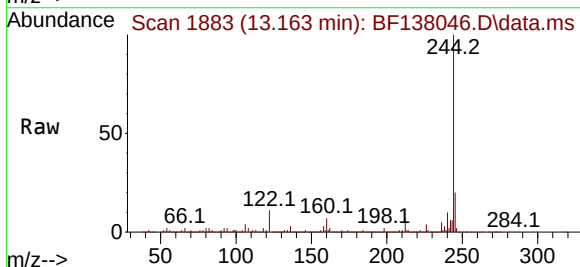
Manual Integrations
APPROVED

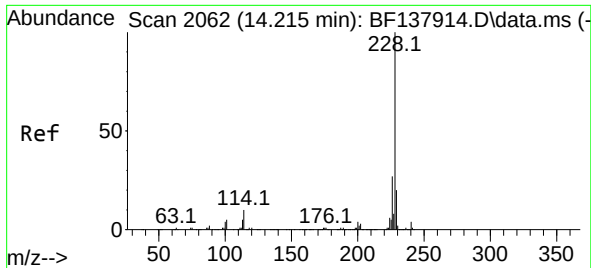
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#79
Terphenyl-d14
Concen: 61.079 ng
RT: 13.163 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

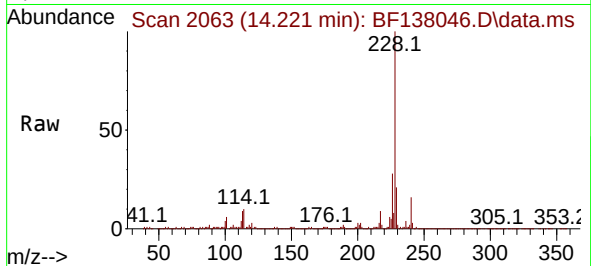
Tgt Ion:244 Resp: 1169255
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 11.4 8.8 13.2





#81
Benzo(a)anthracene
Concen: 26.576 ng
RT: 14.221 min Scan# 2063
Delta R.T. 0.006 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

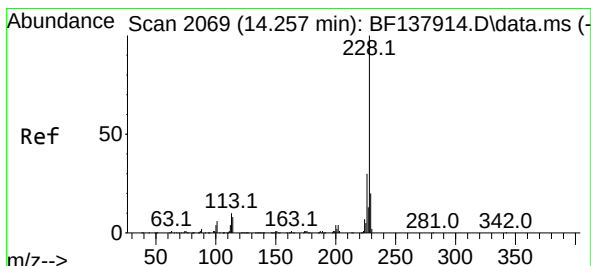
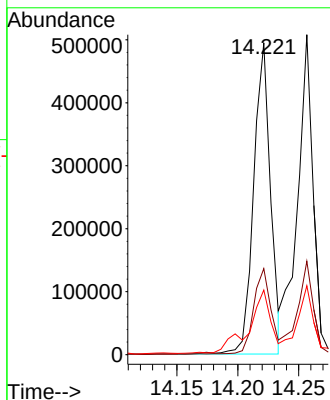
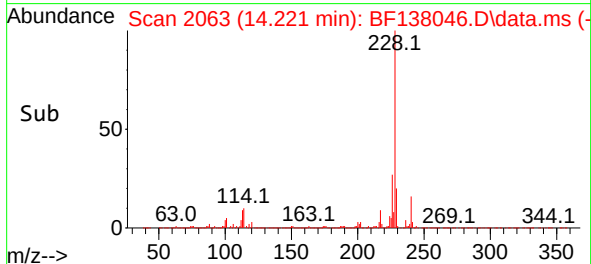
Instrument :
BNA_F
ClientSampleId :
RBR251686



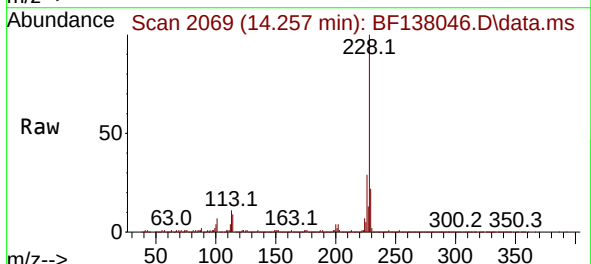
Tgt Ion:228 Resp: 474360
Ion Ratio Lower Upper
228 100
226 27.6 21.3 31.9
229 20.7 15.7 23.5

Manual Integrations
APPROVED

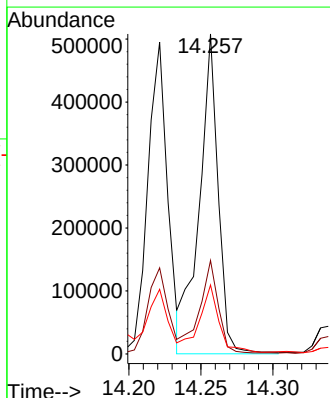
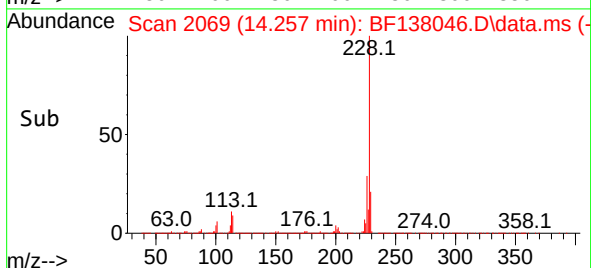
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024

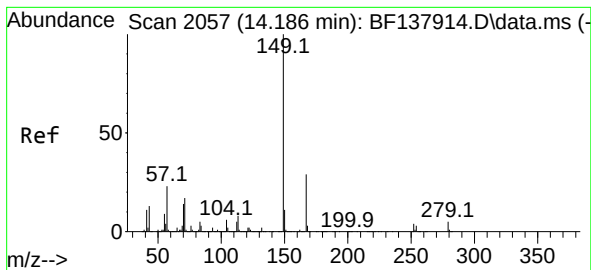


#83
Chrysene
Concen: 27.210 ng m
RT: 14.257 min Scan# 2069
Delta R.T. 0.000 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39



Tgt Ion:228 Resp: 464491
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.8
229 21.5 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.703 ng
RT: 14.186 min Scan# 2057
Delta R.T. 0.000 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

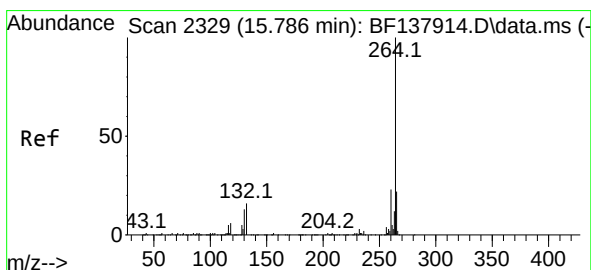
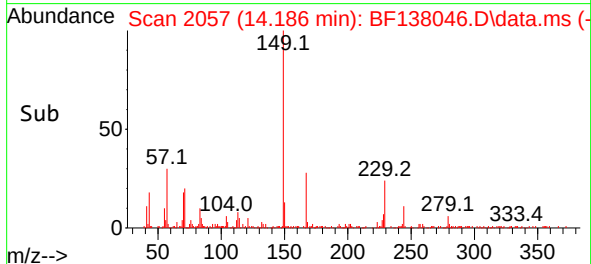
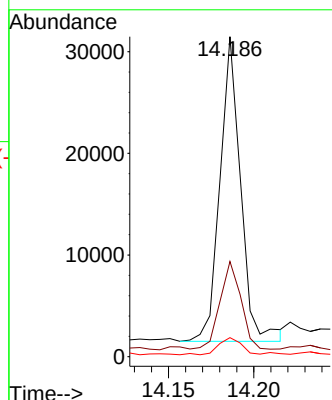
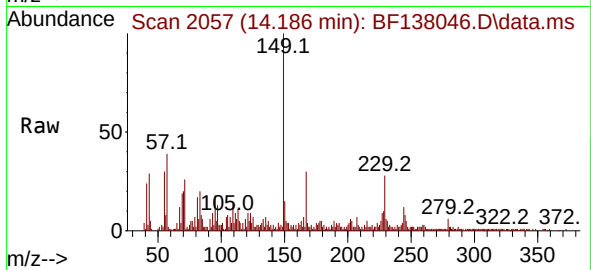
RBR251686

Tgt Ion:149 Resp: 25290
Ion Ratio Lower Upper
149 100
167 29.8 23.2 34.8
279 5.9 4.1 6.1

Manual Integrations

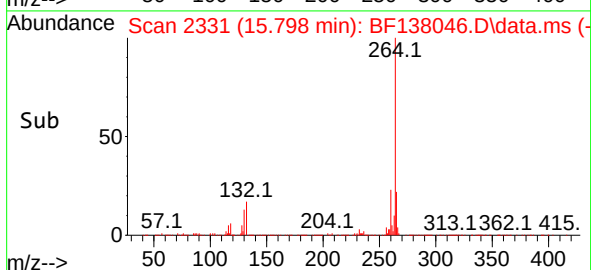
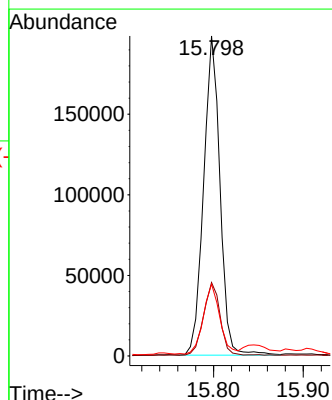
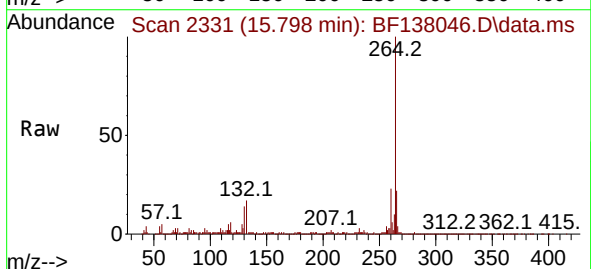
APPROVED

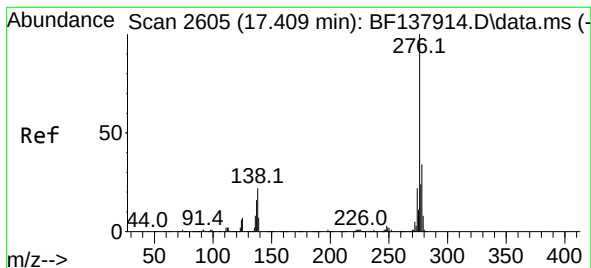
Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.798 min Scan# 2331
Delta R.T. 0.012 min
Lab File: BF138046.D
Acq: 28 May 2024 14:39

Tgt Ion:264 Resp: 250803
Ion Ratio Lower Upper
264 100
260 22.9 18.3 27.5
265 22.4 17.6 26.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 9.315 ng

RT: 17.421 min Scan# 2067

Delta R.T. 0.012 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

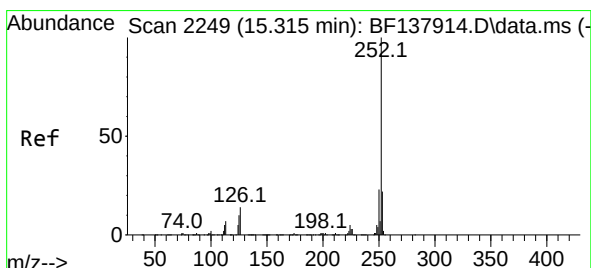
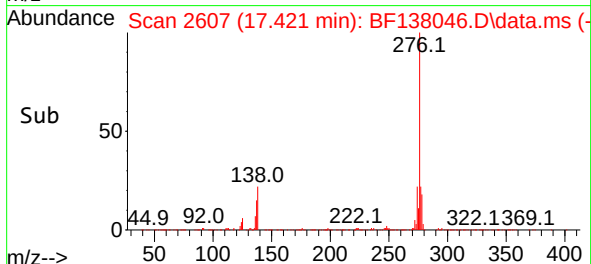
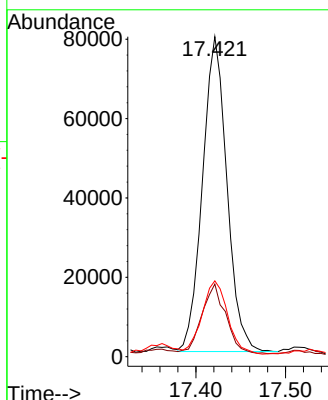
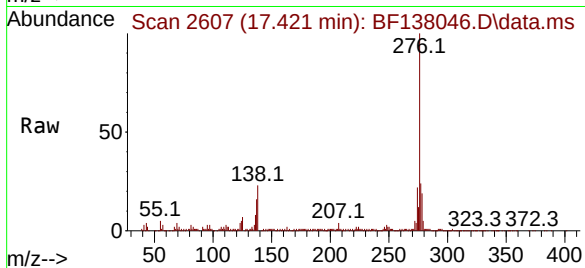
RBR251686

Tgt Ion:	276	Resp:	150104
Ion Ratio	Lower	Upper	
276	100		
138	21.6	20.6	30.8
277	24.3	20.2	30.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#88

Benzo(b)fluoranthene

Concen: 32.632 ng m

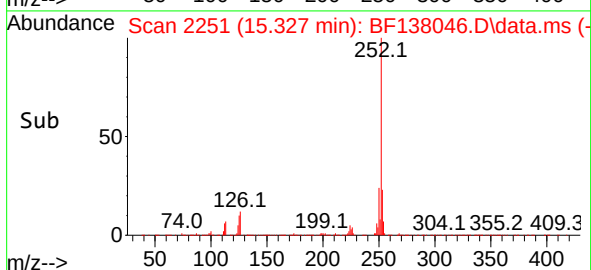
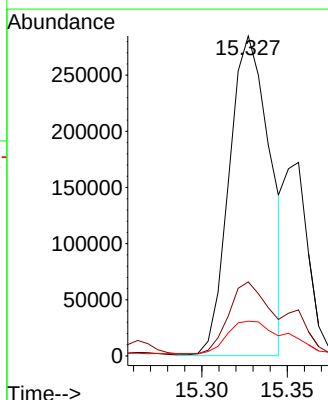
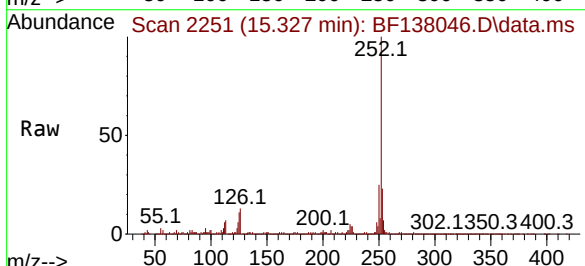
RT: 15.327 min Scan# 2251

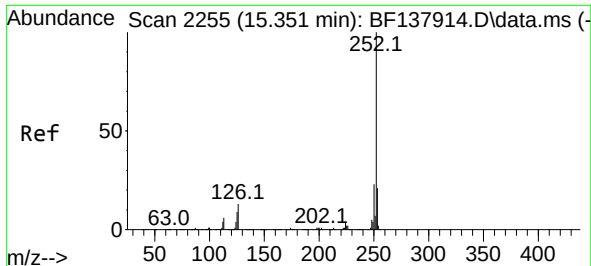
Delta R.T. 0.012 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Tgt Ion:	252	Resp:	473864
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	10.9	8.2	12.4





#89

Benzo(k)fluoranthene

Concen: 11.932 ng m

RT: 15.357 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

RBR251686

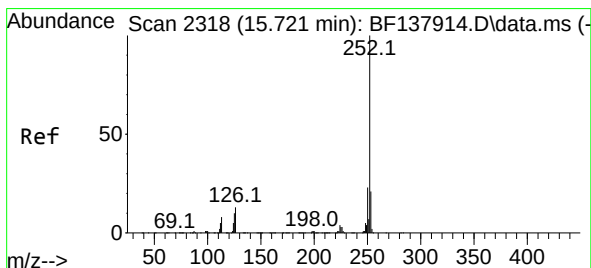
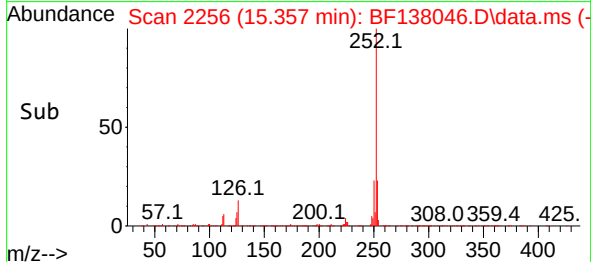
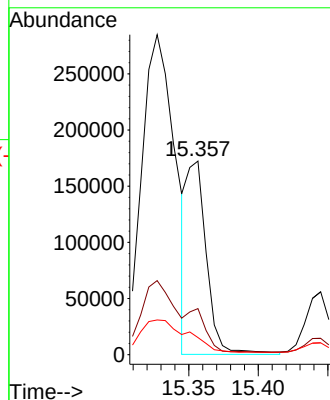
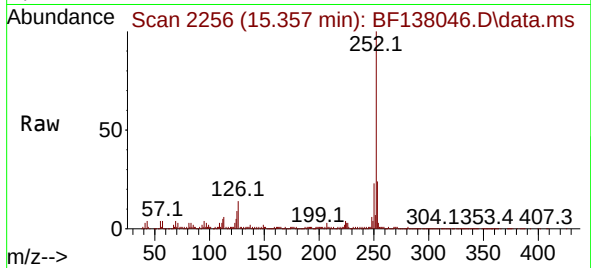
Tgt Ion:252 Resp: 17022

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.4	26.0
125	8.8	7.7	11.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#90

Benzo(a)pyrene

Concen: 25.063 ng

RT: 15.727 min Scan# 2319

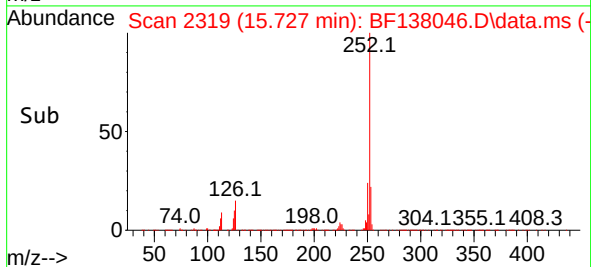
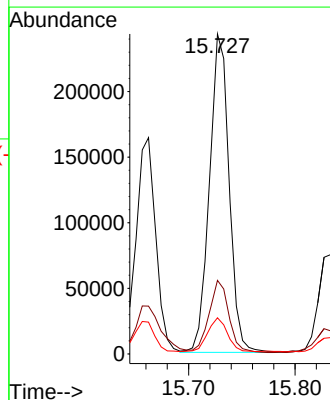
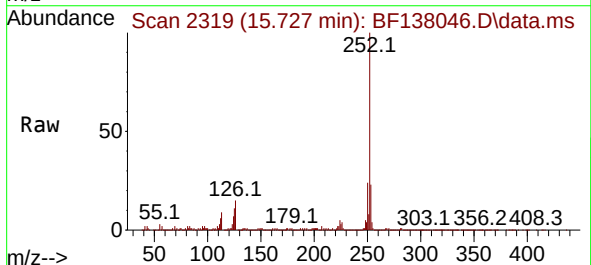
Delta R.T. 0.006 min

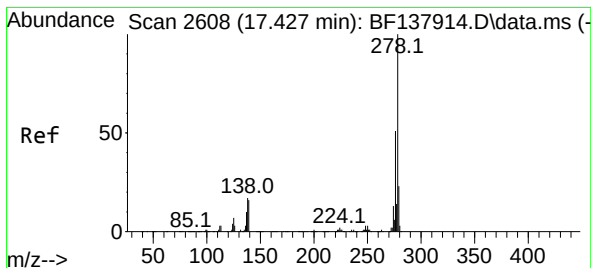
Lab File: BF138046.D

Acq: 28 May 2024 14:39

Tgt Ion:252 Resp: 310788

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	11.3	7.8	11.8





#91

Dibenzo(a,h)anthracene

Concen: 3.074 ng m

RT: 17.433 min Scan# 2608

Delta R.T. 0.006 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Instrument :

BNA_F

ClientSampleId :

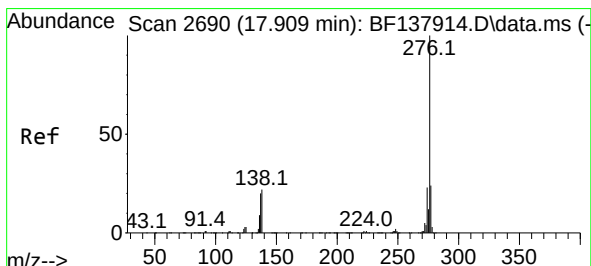
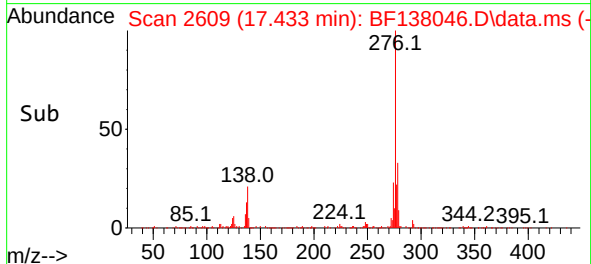
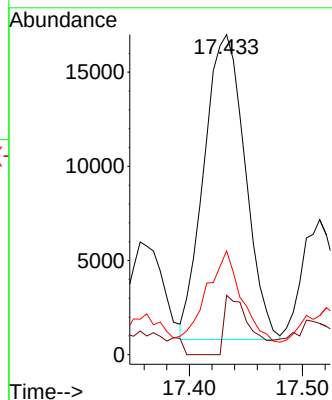
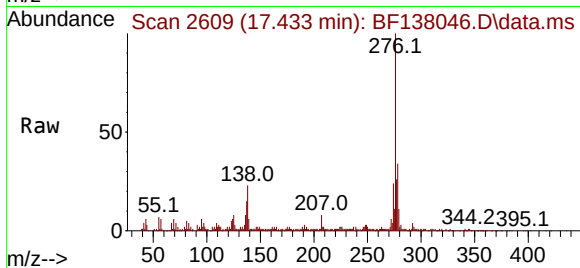
RBR251686

Tgt Ion:	278	Resp:	40929
Ion Ratio	Lower	Upper	
278	100		
139	18.5	13.1	19.7
279	32.5	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 05/29/2024
Supervised By :mohammad ahmed 05/30/2024



#92

Benzo(g,h,i)perylene

Concen: 10.126 ng

RT: 17.921 min Scan# 2692

Delta R.T. 0.012 min

Lab File: BF138046.D

Acq: 28 May 2024 14:39

Tgt Ion:	276	Resp:	141619
Ion Ratio	Lower	Upper	
276	100		
277	22.9	18.9	28.3
138	23.0	17.6	26.4

