

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072424\
 Data File : BF138641.D
 Acq On : 24 Jul 2024 15:41
 Operator : RC/JU
 Sample : P3339-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-072324

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/25/2024
 Supervised By :mohammad ahmed 07/25/2024

Quant Time: Jul 24 17:58:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	73349	20.000	ng	-0.02
21) Naphthalene-d8	8.134	136	286876	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	132190	20.000	ng	-0.02
64) Phenanthrene-d10	11.374	188	168840	20.000	ng	-0.01
76) Chrysene-d12	14.015	240	120236	20.000	ng	-0.01
86) Perylene-d12	15.474	264	98120	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	503354	108.684	ng	-0.01
7) Phenol-d6	6.487	99	670192	108.779	ng	-0.02
23) Nitrobenzene-d5	7.416	82	428757	73.380	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	106200	85.961	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	653676	77.285	ng	-0.02
79) Terphenyl-d14	12.957	244	517473	70.114	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.157	128	607240	40.700	ng	99
37) 2-Methylnaphthalene	8.845	142	198974	20.724	ng	98
38) 1-Methylnaphthalene	8.945	142	127176	13.572	ng	96
46) 1,1'-Biphenyl	9.310	154	71669	7.154	ng	100
49) Acenaphthylene	9.751	152	46606	4.337	ng	# 89
52) Acenaphthene	9.922	154	116274	16.279	ng	97
55) Dibenzofuran	10.092	168	286198	27.626	ng	97
58) Fluorene	10.439	166	337044	41.117	ng	99
71) Phenanthrene	11.404	178	1371005	160.728	ng	99
72) Anthracene	11.451	178	392631	46.370	ng	98
73) Carbazole	11.604	167	131356	17.262	ng	97
75) Fluoranthene	12.592	202	1415094	162.582	ng	97
78) Pyrene	12.821	202	1153619	94.516	ng	98
81) Benzo(a)anthracene	14.004	228	627173	77.737	ng	96
83) Chrysene	14.039	228	468554	61.392	ng	97
87) Indeno(1,2,3-cd)pyrene	16.939	276	192149	29.154	ng	94
88) Benzo(b)fluoranthene	15.057	252	484252m	87.634	ng	
89) Benzo(k)fluoranthene	15.068	252	166720m	30.935	ng	
90) Benzo(a)pyrene	15.415	252	345410	71.157	ng	98
91) Dibenzo(a,h)anthracene	16.945	278	49065	9.101	ng	# 77
92) Benzo(g,h,i)perylene	17.386	276	175546	30.707	ng	97

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

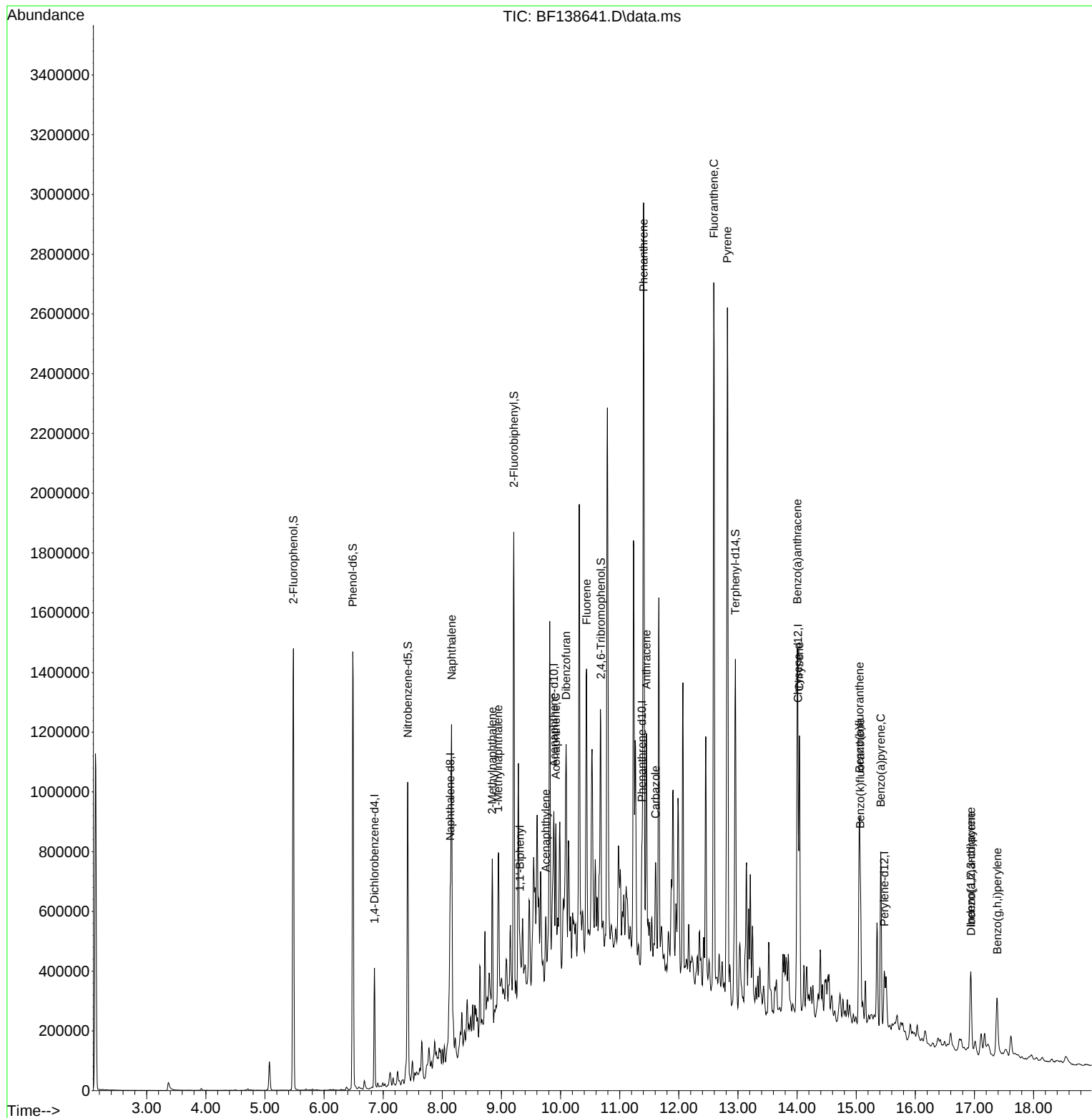
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072424\
Data File : BF138641.D
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Operator : RC/JU
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Misc :
ALS Vial : 11 Sample Multiplier: 1

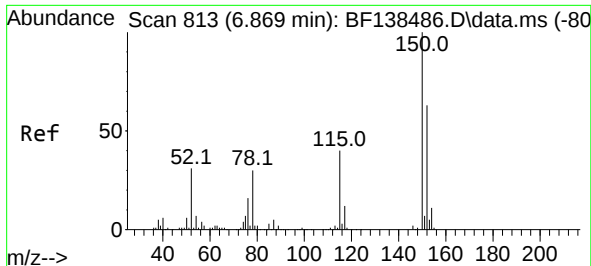
Instrument :
BNA_F
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SU-03-072324

Quant Time: Jul 24 17:58:06 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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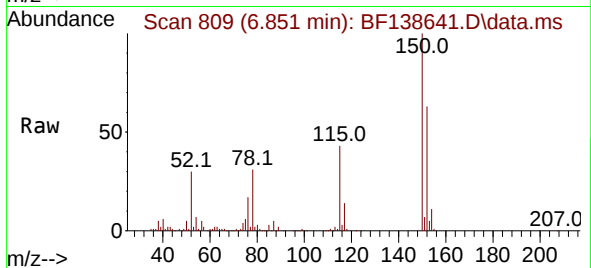
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.851 min Scan# 809
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

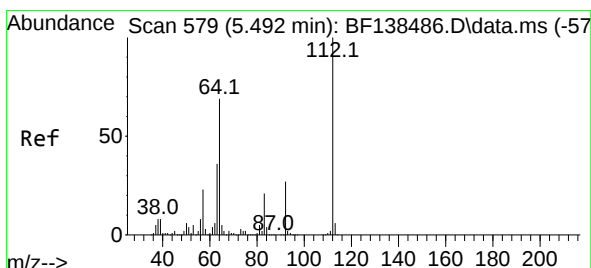
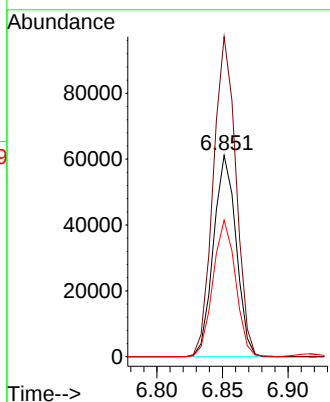
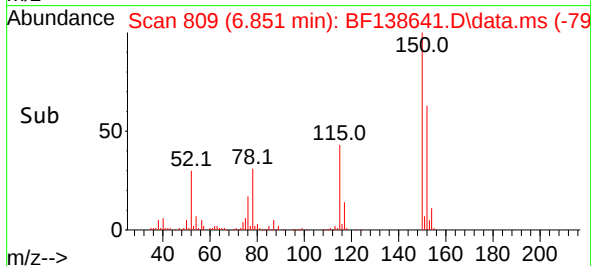
Instrument :
BNA_F
ClientSampleId :
SU-03-072324



Tgt Ion:152 Resp: 73349
Ion Ratio Lower Upper
152 100
150 159.0 126.2 189.4
115 67.8 50.3 75.5

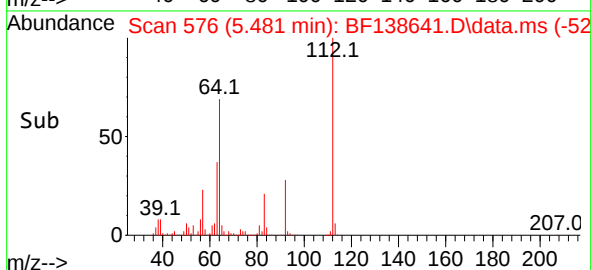
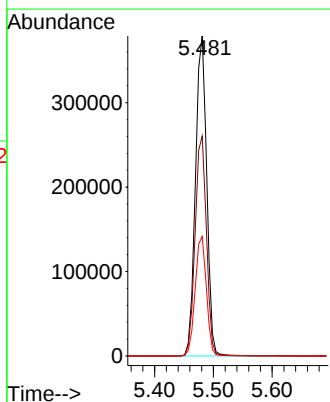
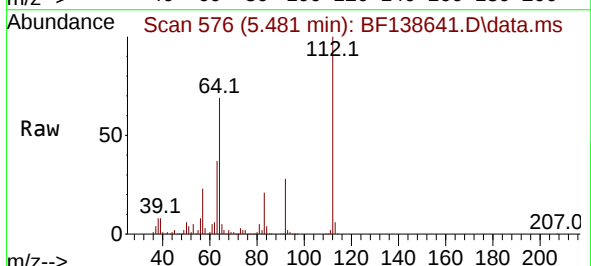
Manual Integrations
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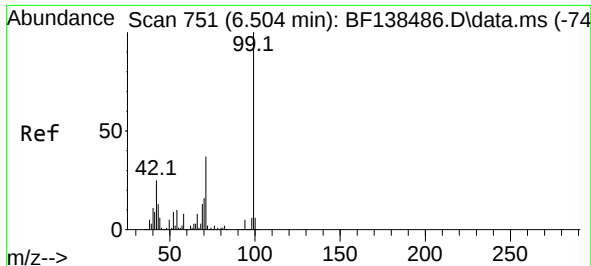
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#5
2-Fluorophenol
Concen: 108.684 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

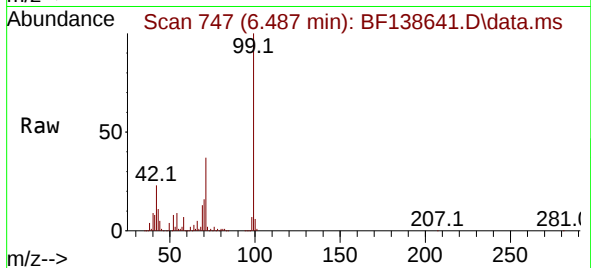
Tgt Ion:112 Resp: 503354
Ion Ratio Lower Upper
112 100
64 68.7 55.1 82.7
63 37.3 29.0 43.6





#7
Phenol-d6
Concen: 108.779 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

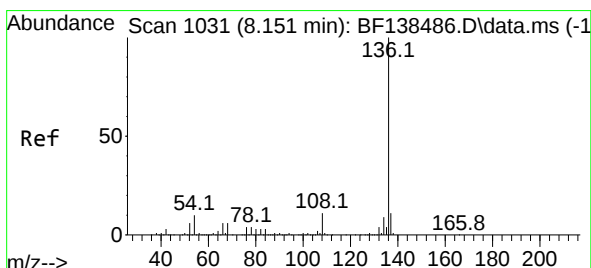
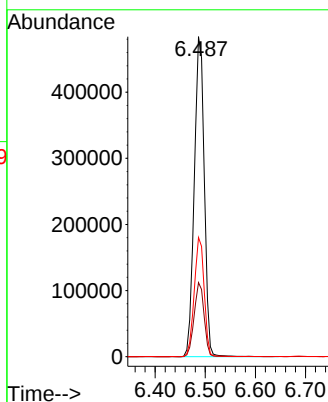
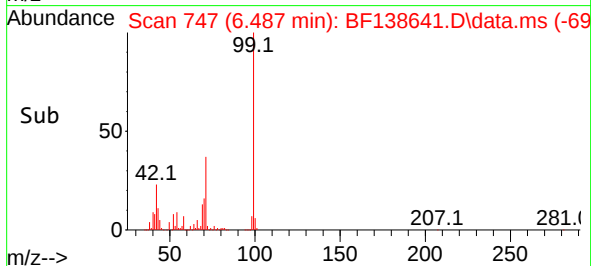
Instrument :
BNA_F
ClientSampleId :
SU-03-072324



Tgt Ion: 99 Resp: 670192
Ion Ratio Lower Upper
99 100
42 23.1 19.7 29.5
71 37.3 29.9 44.9

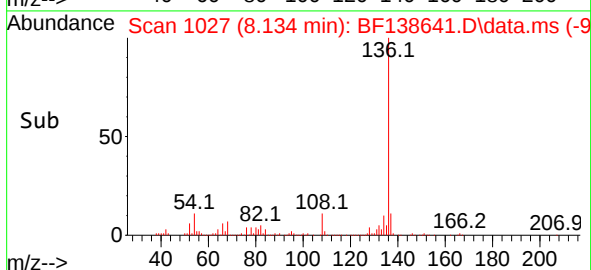
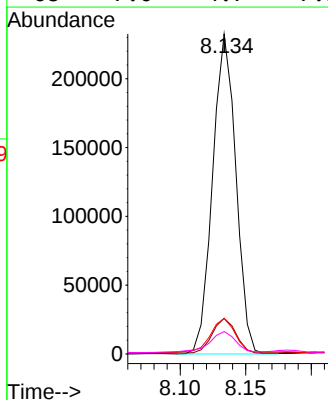
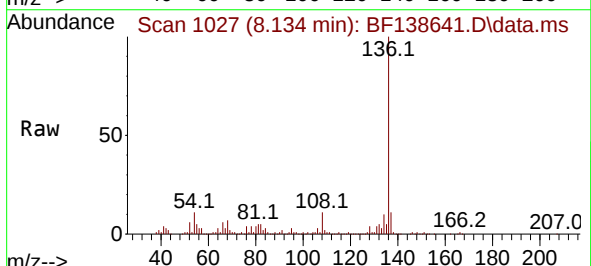
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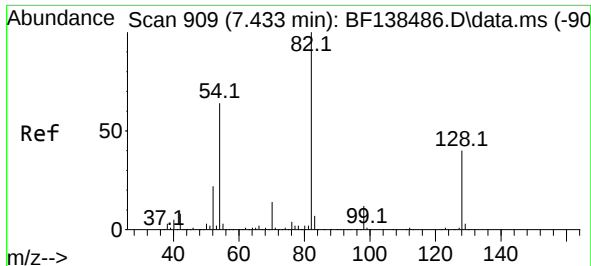
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1027
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Tgt Ion:136 Resp: 286876
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.1 8.1 12.1
68 7.0 4.7 7.1





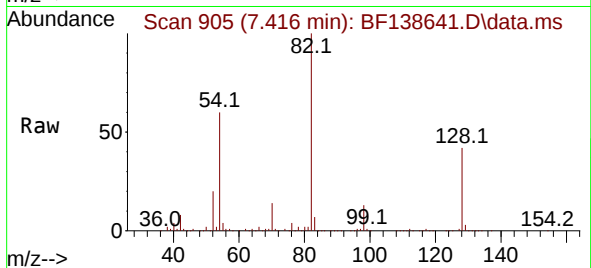
#23
Nitrobenzene-d5
Concen: 73.380 ng
RT: 7.416 min Scan# 909
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

SU-03-072324



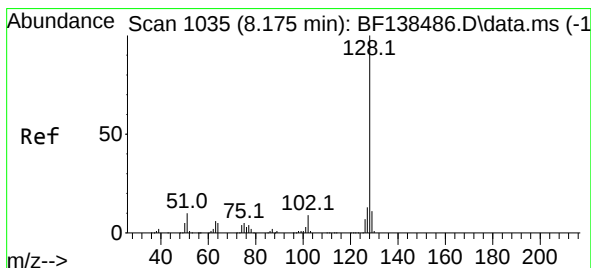
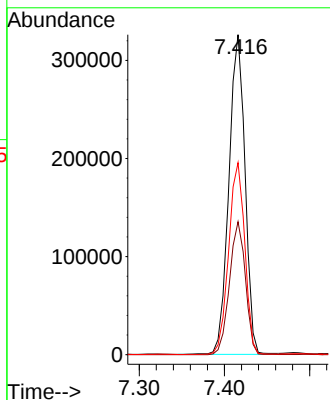
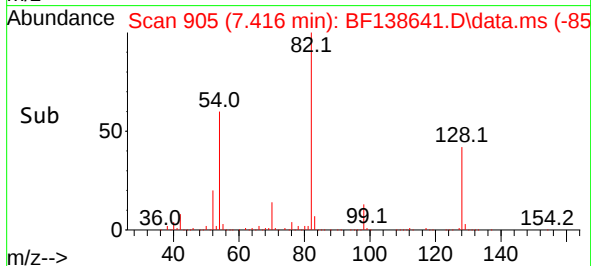
Tgt Ion: 82 Resp: 42875
Ion Ratio Lower Upper
82 100
128 41.5 32.3 48.5
54 60.0 51.4 77.0

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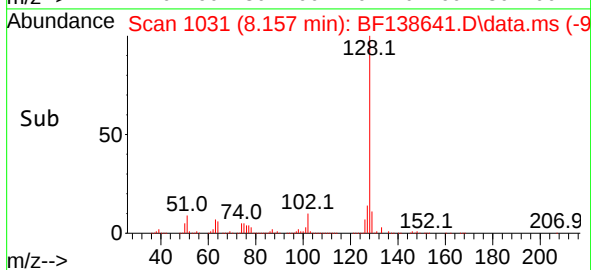
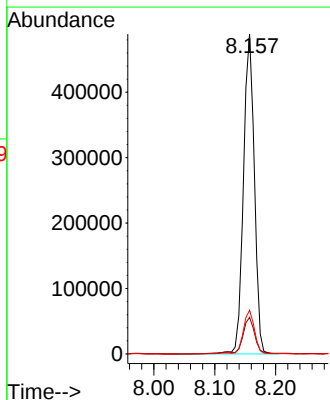
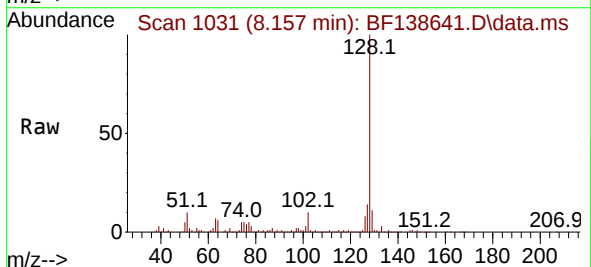
Reviewed By :Yogesh Patel 07/25/2024

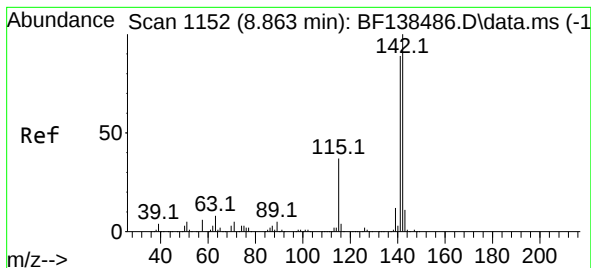
Supervised By :mohammad ahmed 07/25/2024



#31
Naphthalene
Concen: 40.700 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Tgt Ion:128 Resp: 607240
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.6 10.7 16.1





#37

2-Methylnaphthalene

Concen: 20.724 ng

RT: 8.845 min Scan# 1152

Delta R.T. -0.018 min

Lab File: BF138641.D

Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

SU-03-072324

Tgt Ion:142 Resp: 198974

Ion Ratio Lower Upper

142 100

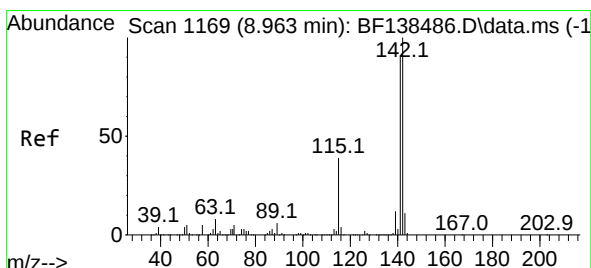
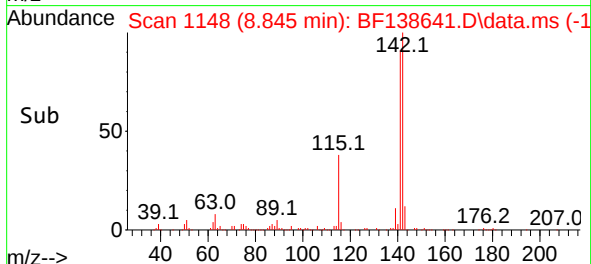
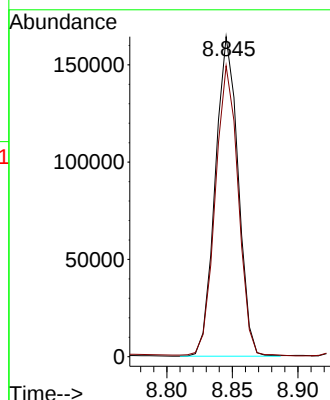
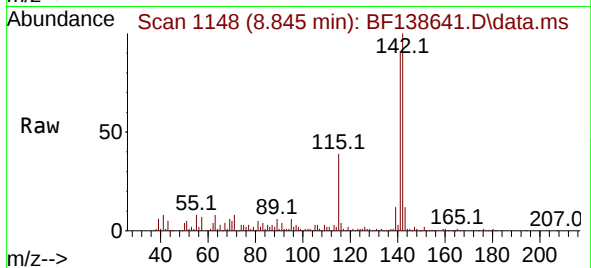
141 90.9 71.4 107.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/25/2024



#38

1-Methylnaphthalene

Concen: 13.572 ng

RT: 8.945 min Scan# 1165

Delta R.T. -0.018 min

Lab File: BF138641.D

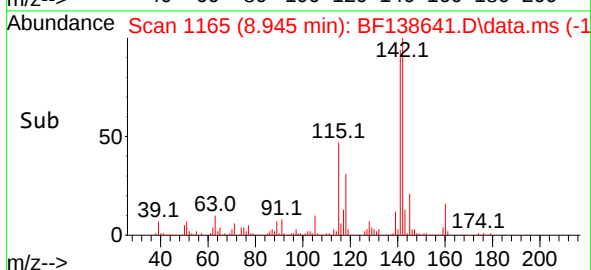
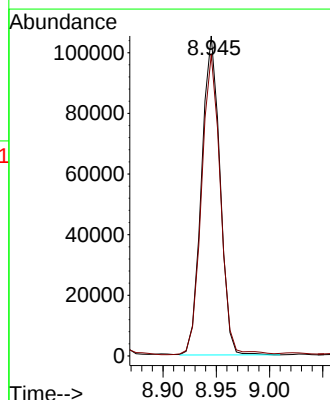
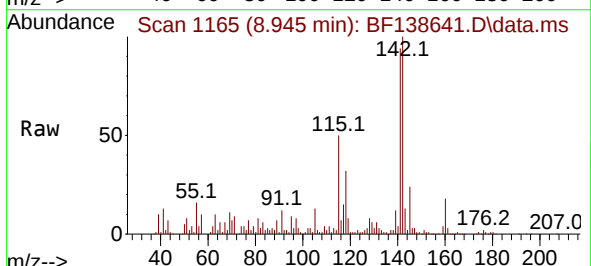
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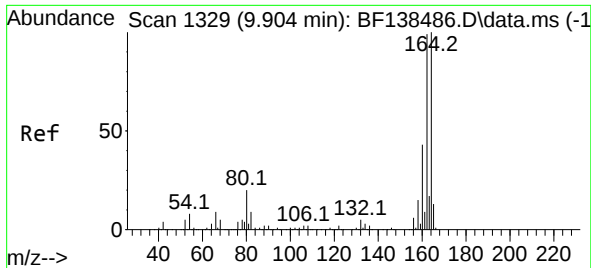
Tgt Ion:142 Resp: 127176

Ion Ratio Lower Upper

142 100

141 94.1 72.6 108.8





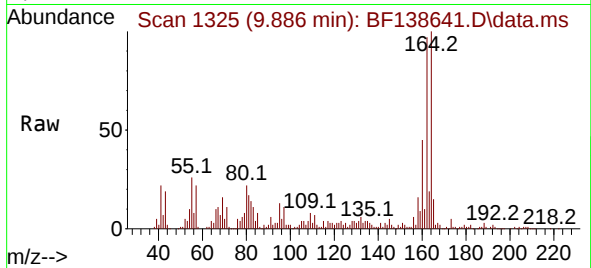
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1329
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

SU-03-072324



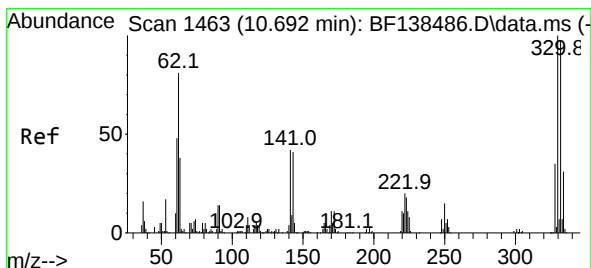
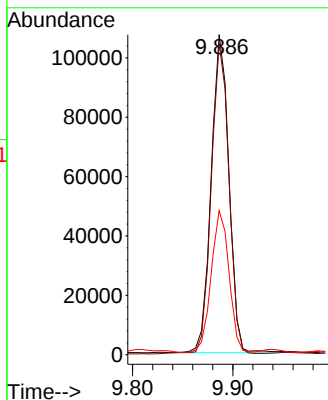
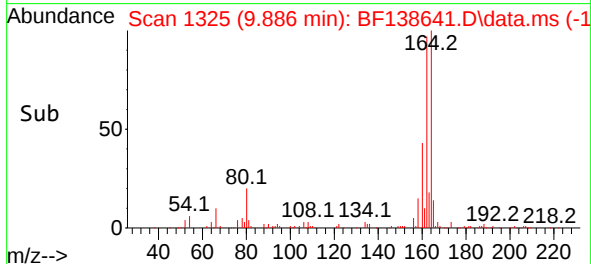
Tgt Ion:164 Resp: 132190
Ion Ratio Lower Upper
164 100
162 97.2 79.0 118.6
160 45.0 34.4 51.6

Manual Integrations

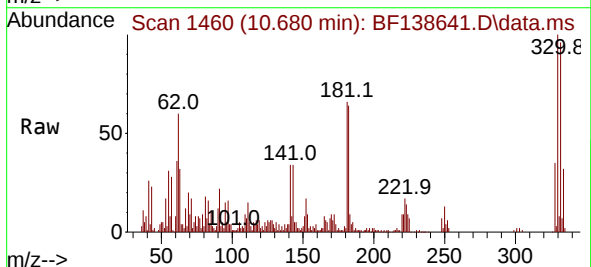
APPROVED

Reviewed By :Yogesh Patel 07/25/2024

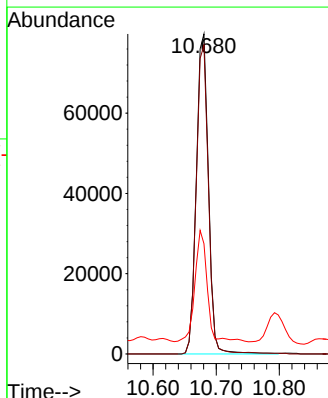
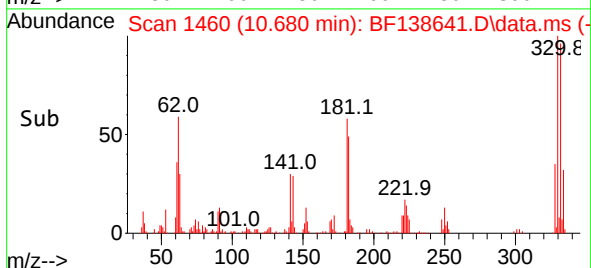
Supervised By :mohammad ahmed 07/25/2024

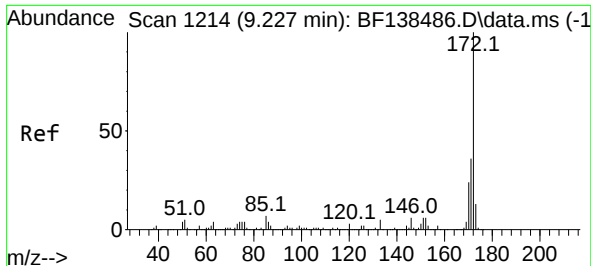


#42
2,4,6-Tribromophenol
Concen: 85.961 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41



Tgt Ion:330 Resp: 106200
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 33.7 29.4 44.2





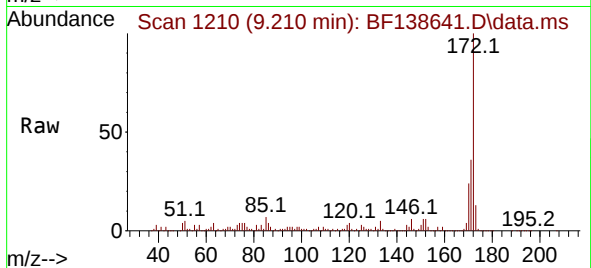
#45
2-Fluorobiphenyl
Concen: 77.285 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

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SU-03-072324



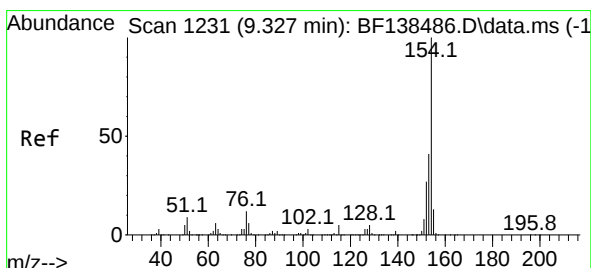
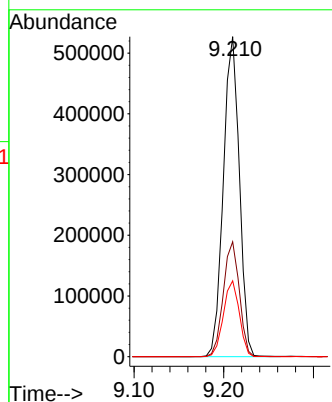
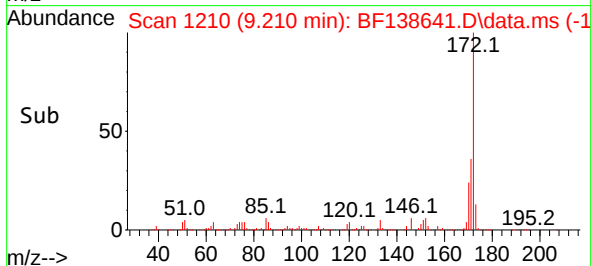
Tgt Ion:172 Resp: 653670
Ion Ratio Lower Upper
172 100
171 35.9 28.9 43.3
170 23.7 18.9 28.3

Manual Integrations

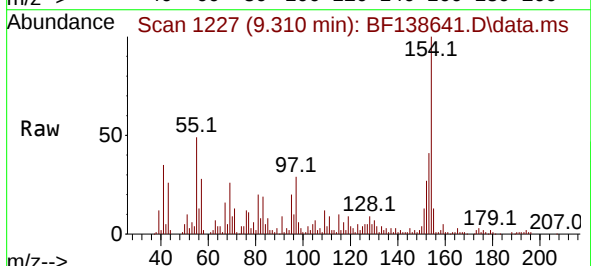
APPROVED

Reviewed By :Yogesh Patel 07/25/2024

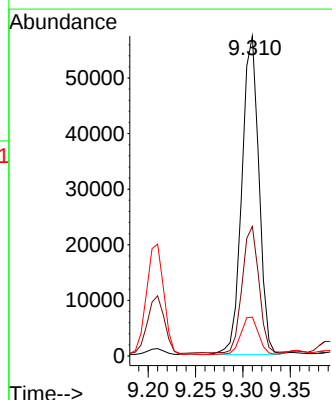
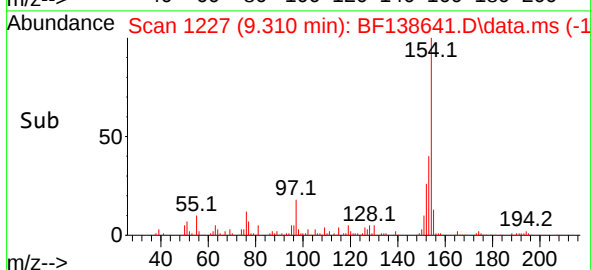
Supervised By :mohammad ahmed 07/25/2024

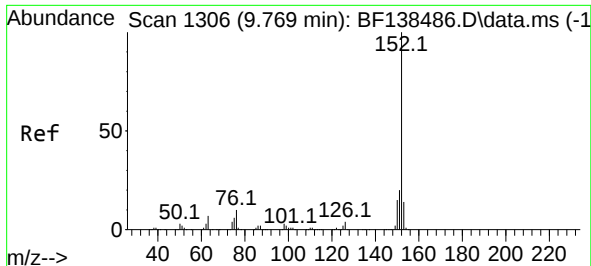


#46
1,1'-Biphenyl
Concen: 7.154 ng
RT: 9.310 min Scan# 1227
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41



Tgt Ion:154 Resp: 71669
Ion Ratio Lower Upper
154 100
153 40.5 20.7 60.7
76 12.2 0.0 32.2





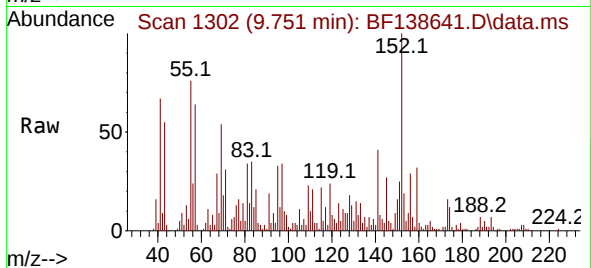
#49
Acenaphthylene
Concen: 4.337 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

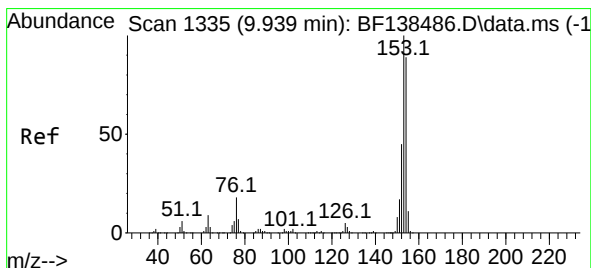
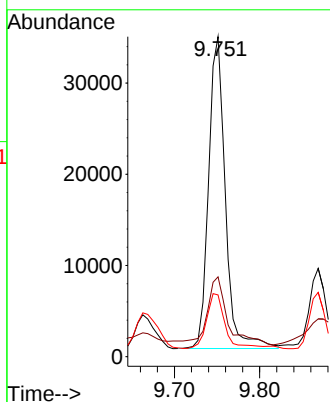
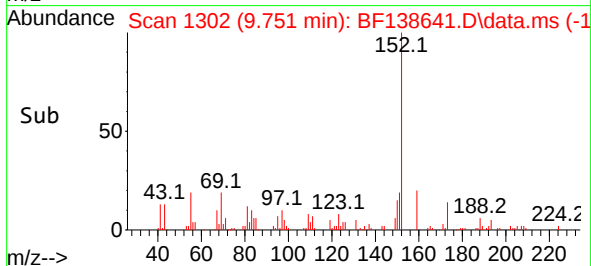
SU-03-072324



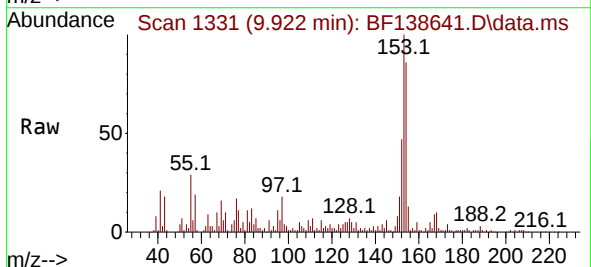
Tgt Ion:152 Resp: 46600
Ion Ratio Lower Upper
152 100
151 25.0 16.3 24.5
153 19.3 11.3 16.9

Manual Integrations
APPROVED

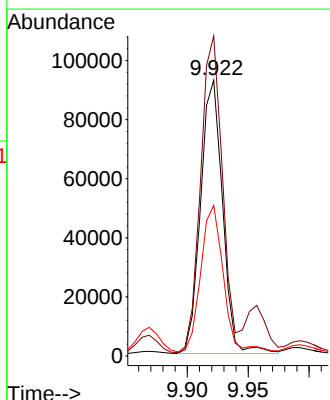
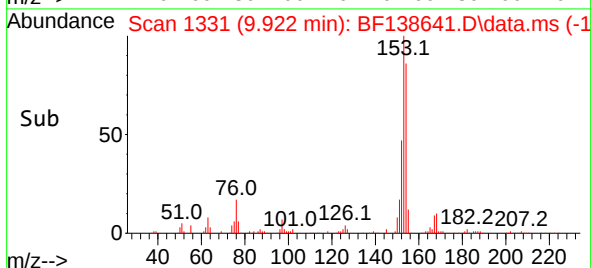
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024

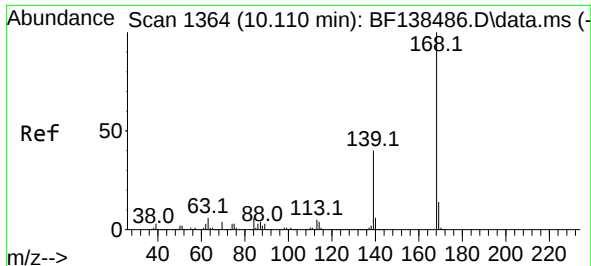


#52
Acenaphthene
Concen: 16.279 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41



Tgt Ion:154 Resp: 116274
Ion Ratio Lower Upper
154 100
153 116.0 90.4 135.6
152 54.6 41.1 61.7





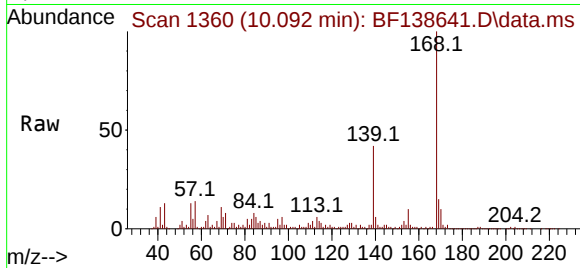
#55
Dibenzenofuran
Concen: 27.626 ng
RT: 10.092 min Scan# 1419
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

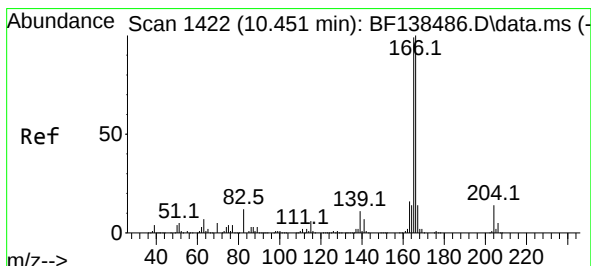
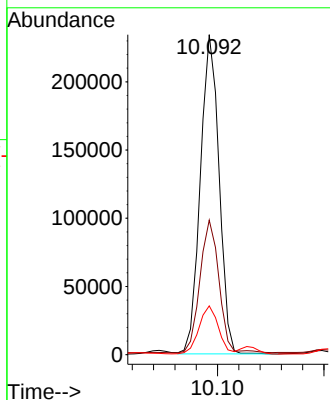
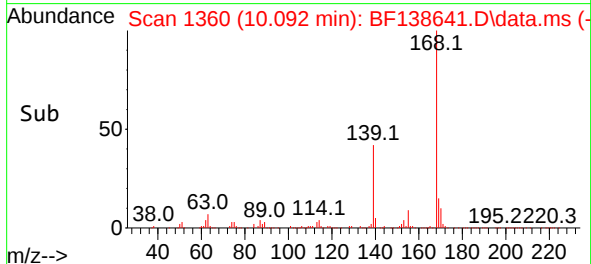
SU-03-072324



Tgt Ion:168 Resp: 286198
Ion Ratio Lower Upper
168 100
139 42.1 32.4 48.6
169 15.3 10.9 16.3

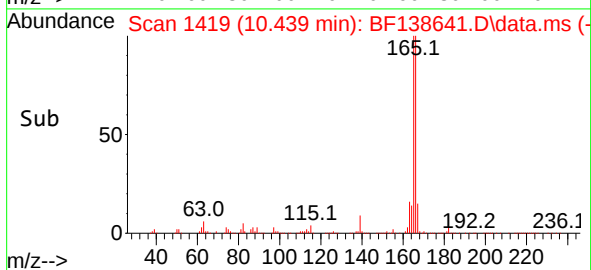
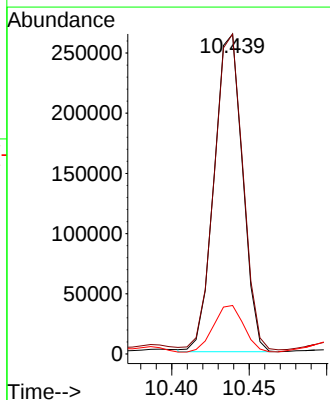
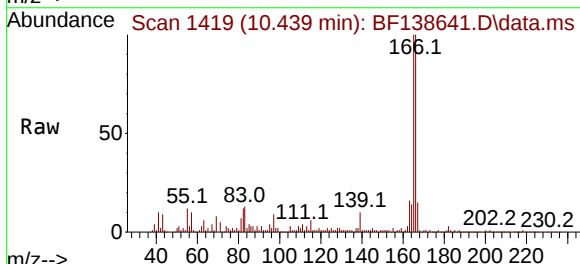
Manual Integrations
APPROVED

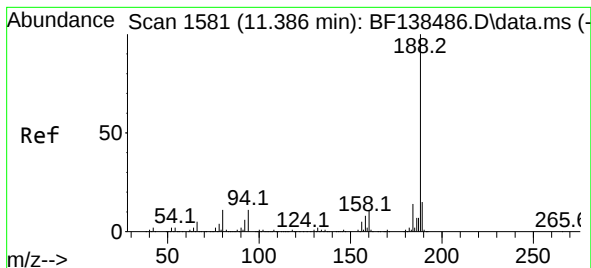
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#58
Fluorene
Concen: 41.117 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Tgt Ion:166 Resp: 337044
Ion Ratio Lower Upper
166 100
165 100.0 79.1 118.7
167 15.2 11.0 16.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

SU-03-072324

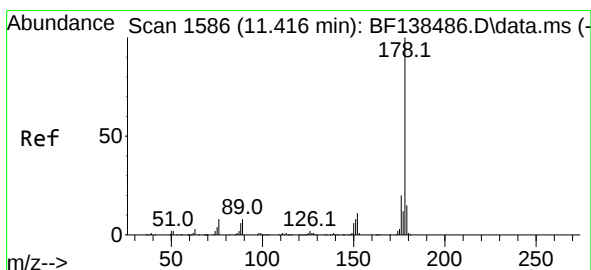
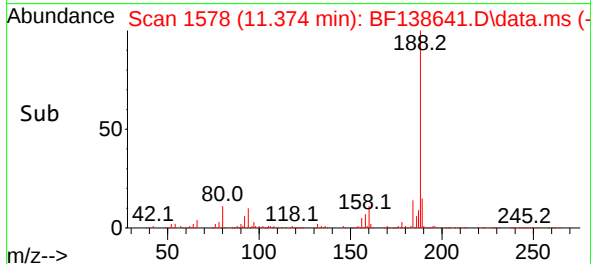
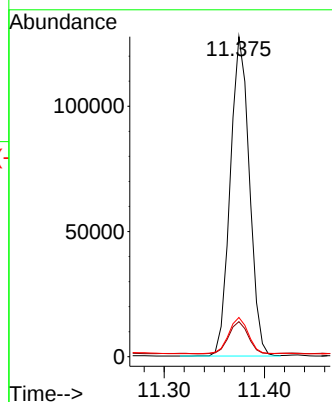
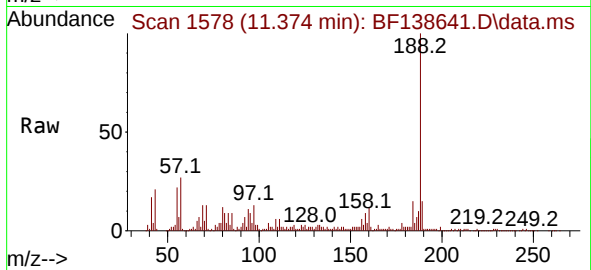
Tgt Ion:188 Resp: 168840
Ion Ratio Lower Upper
188 100
94 11.0 8.7 13.1
80 12.2 9.0 13.4

Manual Integrations

APPROVED

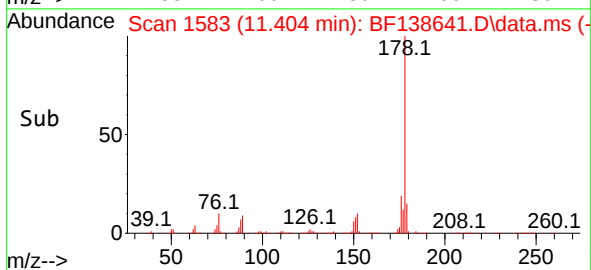
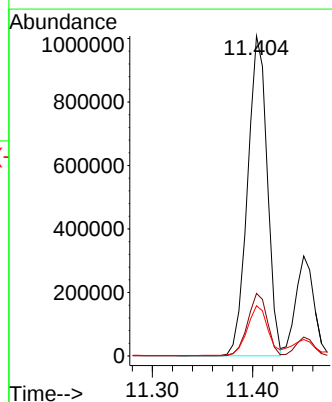
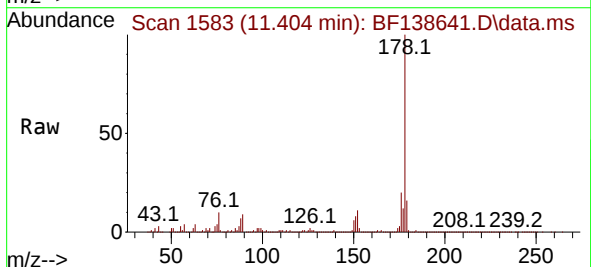
Reviewed By :Yogesh Patel 07/25/2024

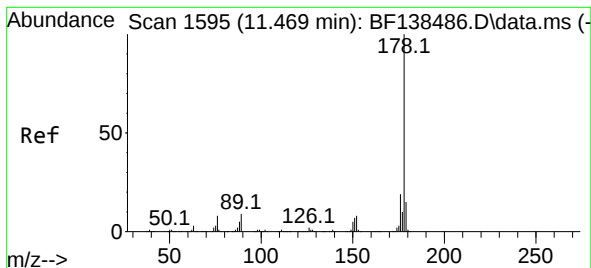
Supervised By :mohammad ahmed 07/25/2024



#71
Phenanthrene
Concen: 160.728 ng
RT: 11.404 min Scan# 1583
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Tgt Ion:178 Resp: 1371005
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.7 12.2 18.2





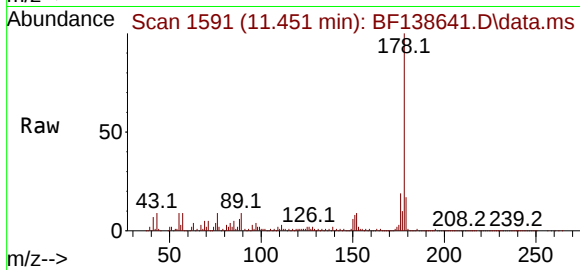
#72
 Anthracene
 Concen: 46.370 ng
 RT: 11.451 min Scan# 1591
 Delta R.T. -0.018 min
 Lab File: BF138641.D
 Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

SU-03-072324



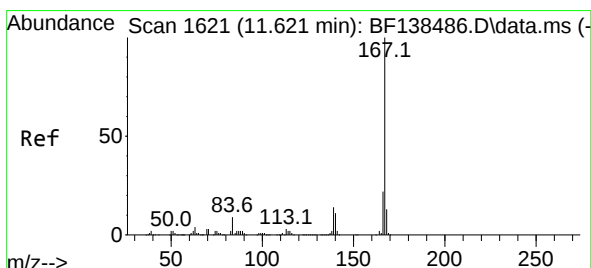
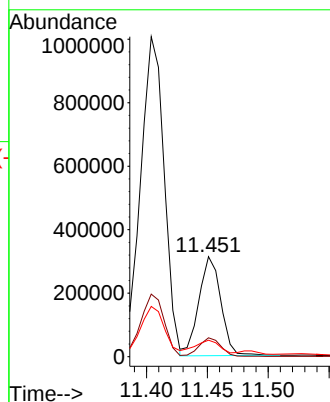
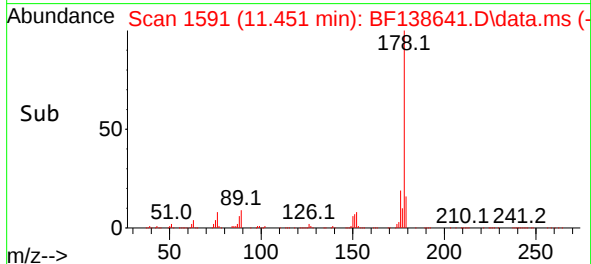
Tgt Ion:178 Resp: 39263
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.8 22.2
 179 16.6 12.2 18.4

Manual Integrations

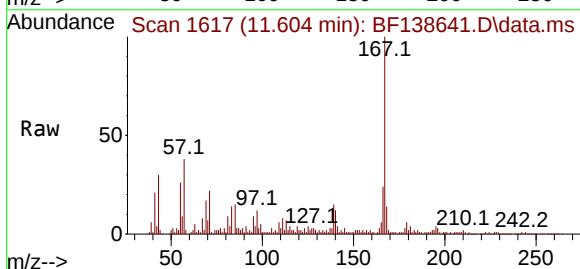
APPROVED

Reviewed By :Yogesh Patel 07/25/2024

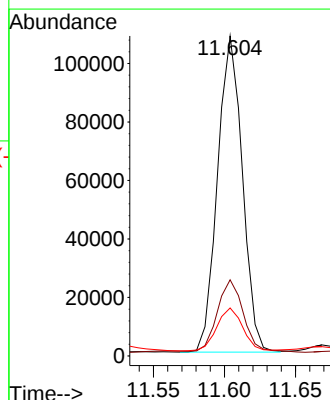
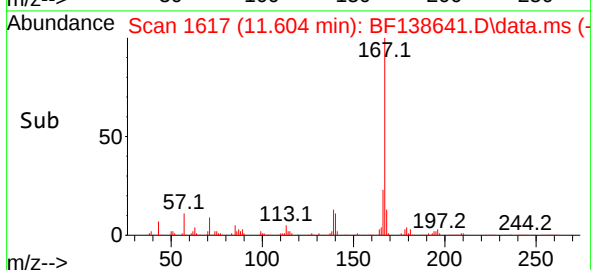
Supervised By :mohammad ahmed 07/25/2024

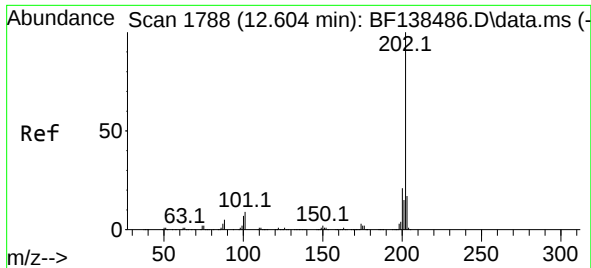


#73
 Carbazole
 Concen: 17.262 ng
 RT: 11.604 min Scan# 1617
 Delta R.T. -0.018 min
 Lab File: BF138641.D
 Acq: 24 Jul 2024 15:41



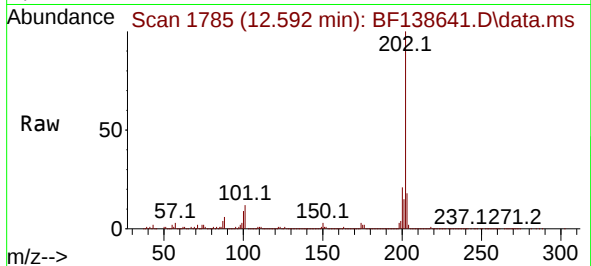
Tgt Ion:167 Resp: 131356
 Ion Ratio Lower Upper
 167 100
 166 23.8 17.8 26.6
 139 15.0 11.0 16.4





#75
Fluoranthene
Concen: 162.582 ng
RT: 12.592 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

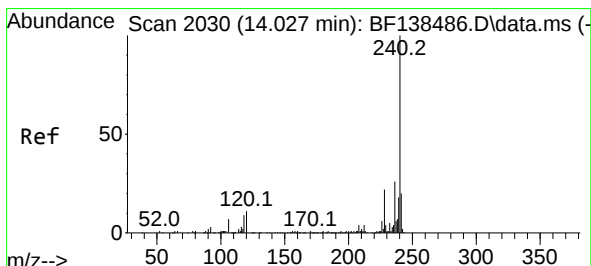
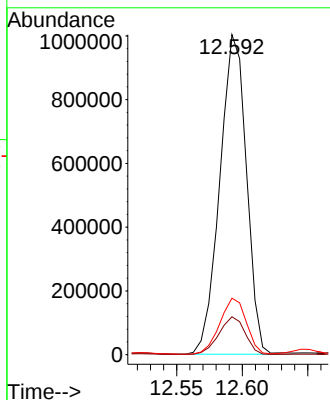
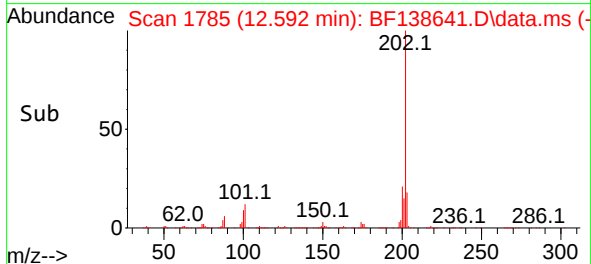
Instrument :
BNA_F
ClientSampleId :
SU-03-072324



Tgt Ion:202 Resp: 1415094
Ion Ratio Lower Upper
202 100
101 11.9 0.0 29.2
203 17.6 0.0 37.3

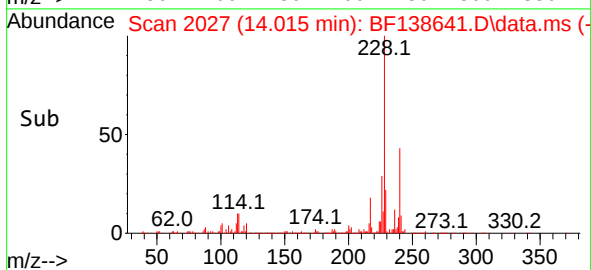
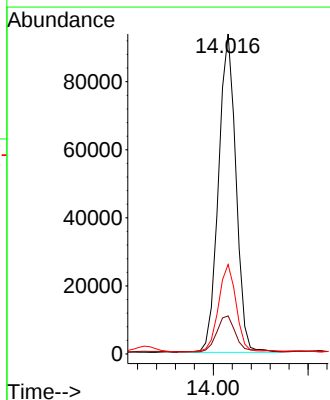
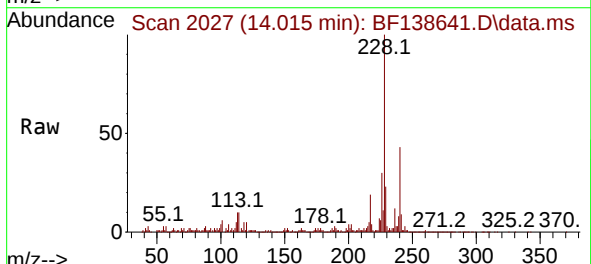
Manual Integrations
APPROVED

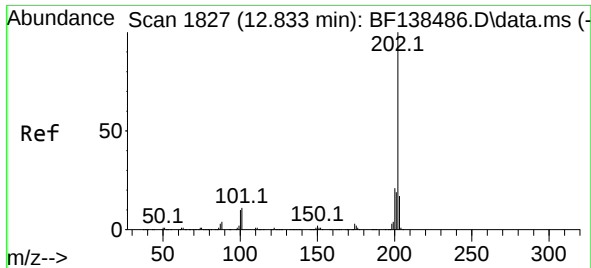
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.015 min Scan# 2027
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

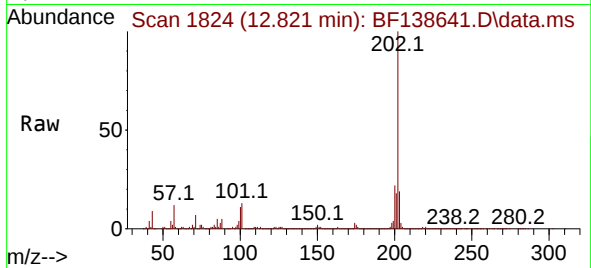
Tgt Ion:240 Resp: 120236
Ion Ratio Lower Upper
240 100
120 11.9 8.6 12.8
236 28.0 21.0 31.6





#78
Pyrene
Concen: 94.516 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

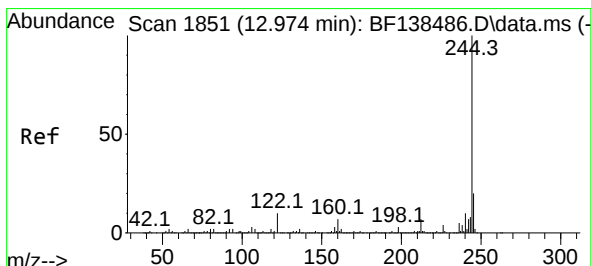
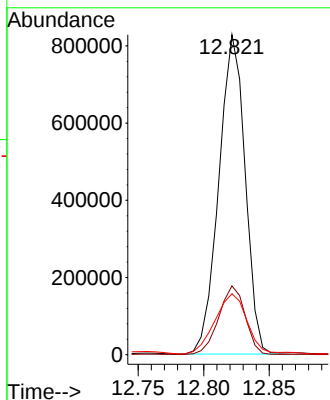
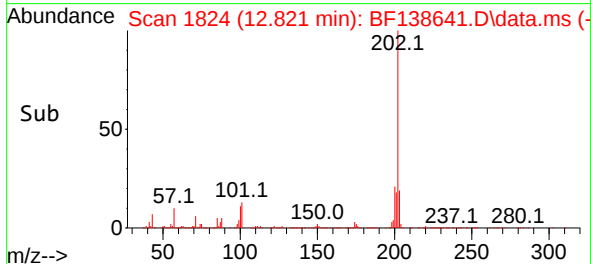
Instrument :
BNA_F
ClientSampleId :
SU-03-072324



Tgt Ion:202 Resp: 1153619
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 19.1 13.7 20.5

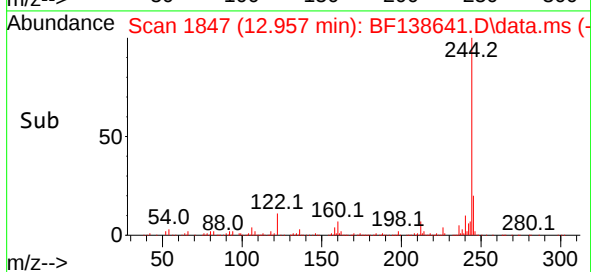
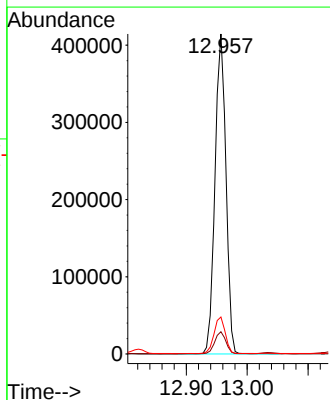
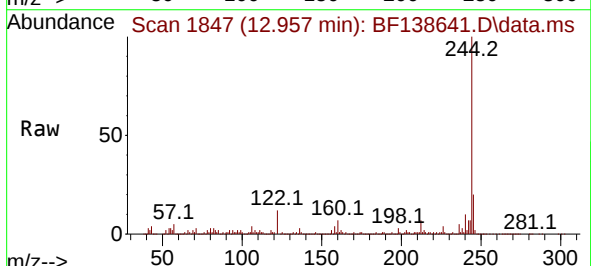
Manual Integrations
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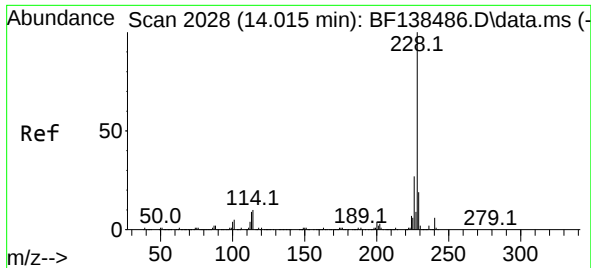
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#79
Terphenyl-d14
Concen: 70.114 ng
RT: 12.957 min Scan# 1847
Delta R.T. -0.018 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Tgt Ion:244 Resp: 517473
Ion Ratio Lower Upper
244 100
212 6.9 5.5 8.3
122 11.5 7.8 11.8





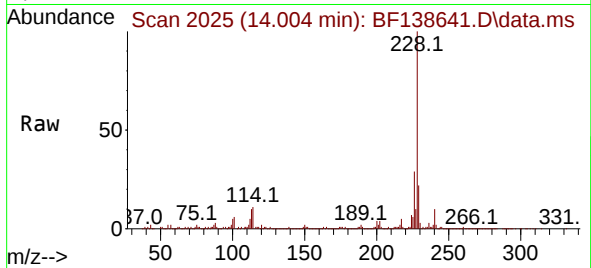
#81
Benzo(a)anthracene
Concen: 77.737 ng
RT: 14.004 min Scan# 2025
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

SU-03-072324



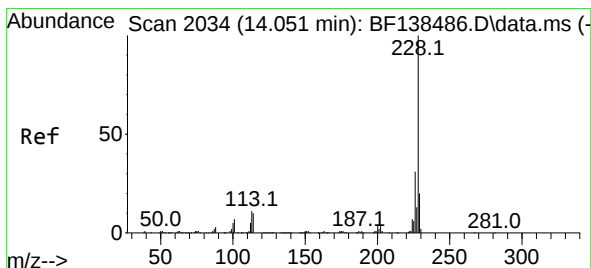
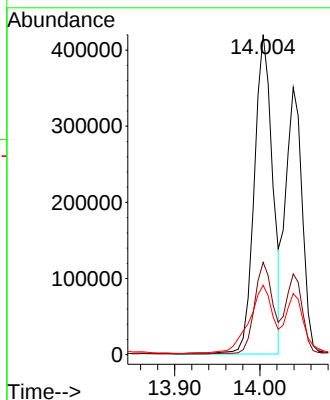
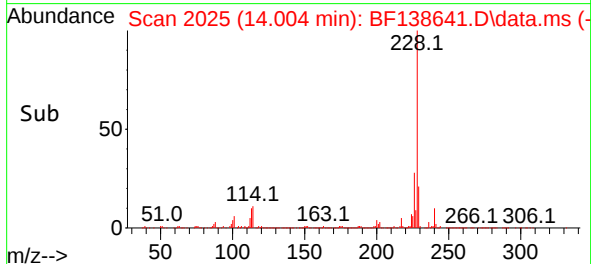
Tgt Ion:228 Resp: 62717
Ion Ratio Lower Upper
228 100
226 28.8 21.9 32.9
229 21.7 15.5 23.3

Manual Integrations

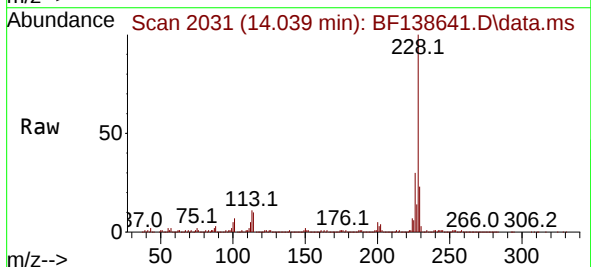
APPROVED

Reviewed By :Yogesh Patel 07/25/2024

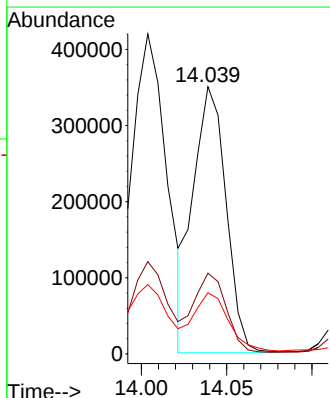
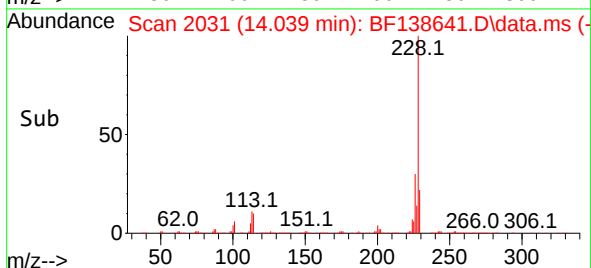
Supervised By :mohammad ahmed 07/25/2024

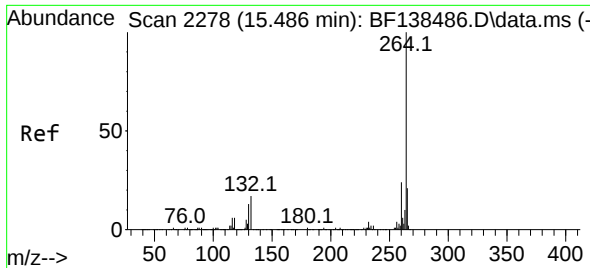


#83
Chrysene
Concen: 61.392 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41



Tgt Ion:228 Resp: 468554
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 22.9 16.0 24.0





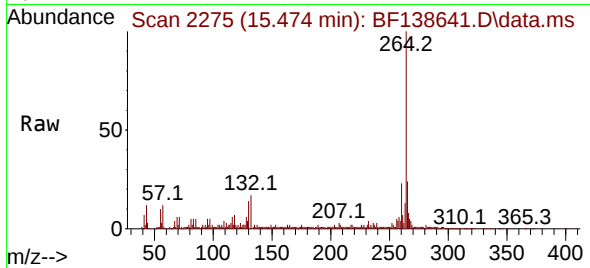
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

SU-03-072324



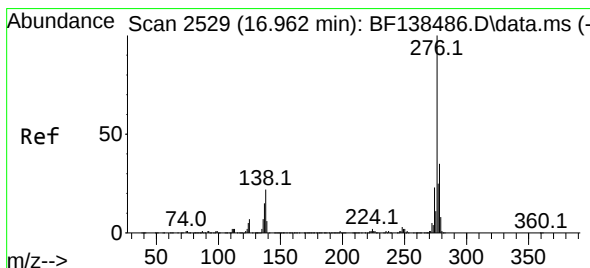
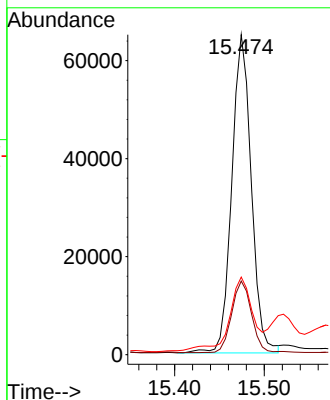
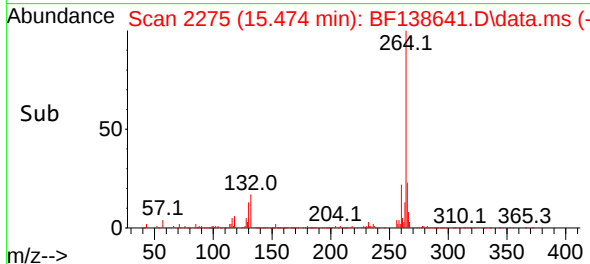
Tgt Ion:264 Resp: 98120
Ion Ratio Lower Upper
264 100
260 23.0 19.0 28.6
265 24.3 17.0 25.4

Manual Integrations

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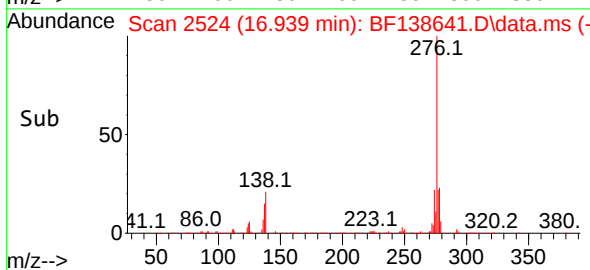
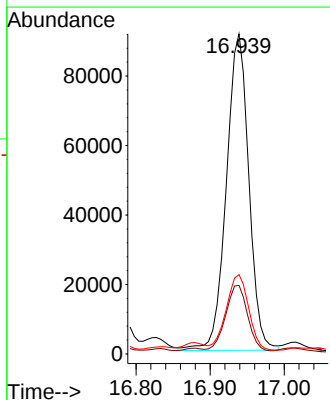
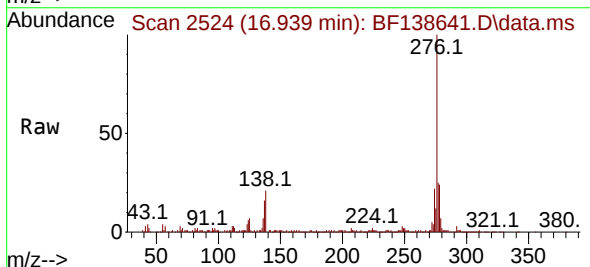
Reviewed By :Yogesh Patel 07/25/2024

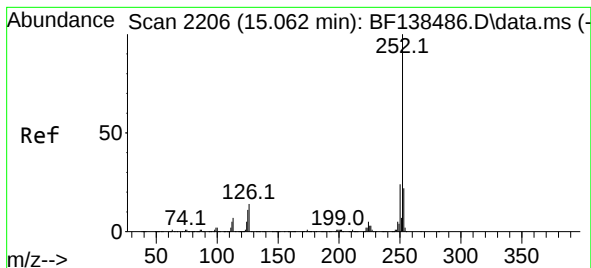
Supervised By :mohammad ahmed 07/25/2024



#87
Indeno(1,2,3-cd)pyrene
Concen: 29.154 ng
RT: 16.939 min Scan# 2524
Delta R.T. -0.023 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Tgt Ion:276 Resp: 192149
Ion Ratio Lower Upper
276 100
138 20.8 19.6 29.4
277 23.6 20.5 30.7





#88

Benzo(b)fluoranthene

Concen: 87.634 ng m

RT: 15.057 min Scan# 2206

Delta R.T. -0.006 min

Lab File: BF138641.D

Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

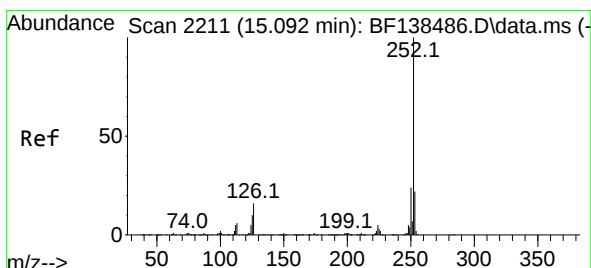
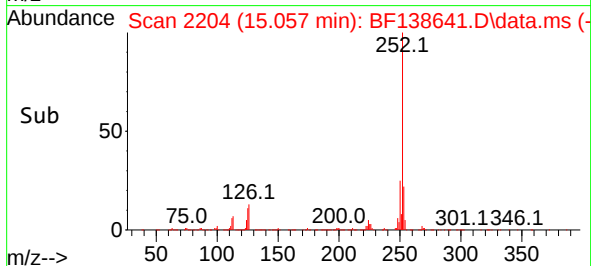
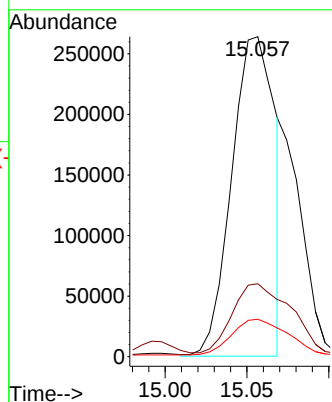
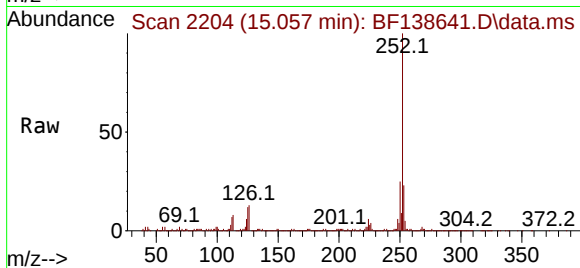
ClientSampleId :

SU-03-072324

Tgt Ion:252 Resp: 484252
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.3 25.9
 125 11.7 8.6 13.0

Manual Integrations
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Reviewed By :Yogesh Patel 07/25/2024
 Supervised By :mohammad ahmed 07/25/2024



#89

Benzo(k)fluoranthene

Concen: 30.935 ng m

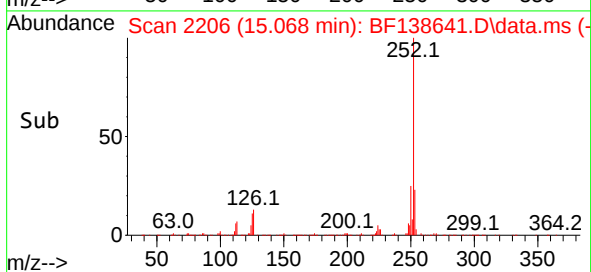
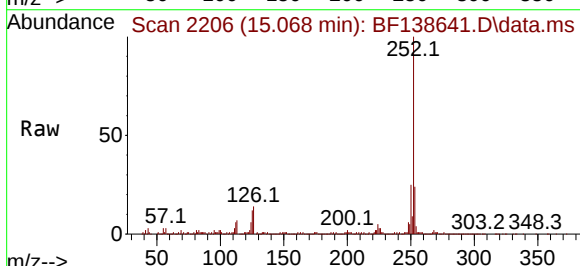
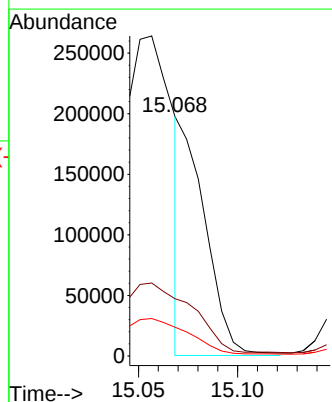
RT: 15.068 min Scan# 2206

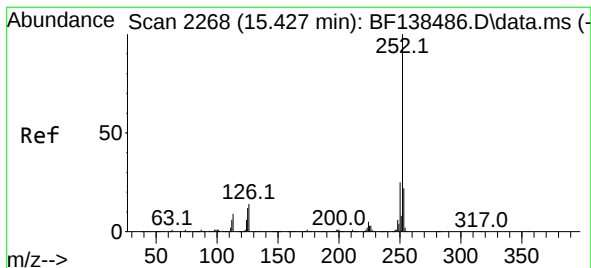
Delta R.T. -0.023 min

Lab File: BF138641.D

Acq: 24 Jul 2024 15:41

Tgt Ion:252 Resp: 166720
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.7 26.5
 125 12.0 8.1 12.1





#90
Benzo(a)pyrene
Concen: 71.157 ng
RT: 15.415 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

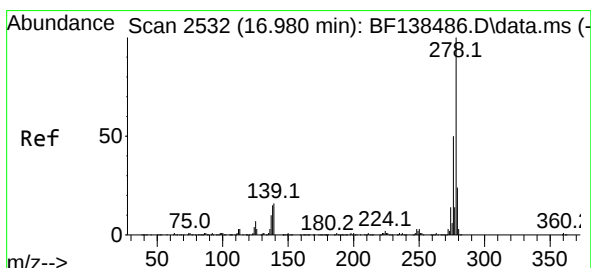
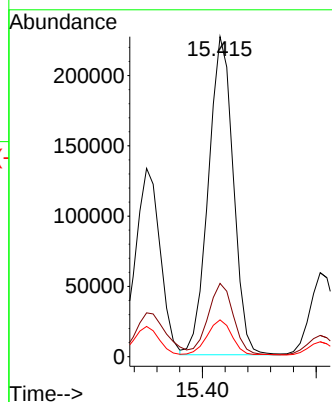
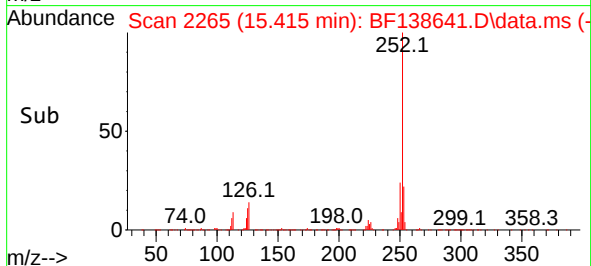
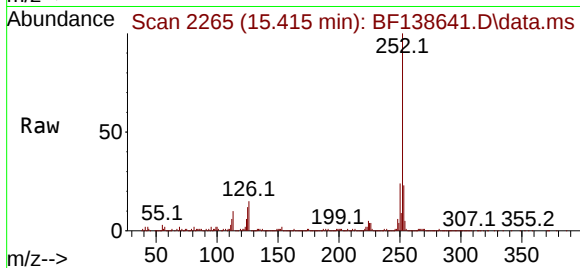
SU-03-072324

Tgt Ion:252 Resp: 345410
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 11.5 9.4 14.2

Manual Integrations

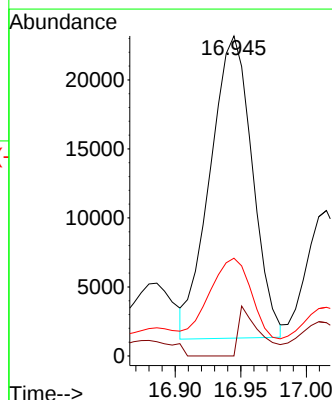
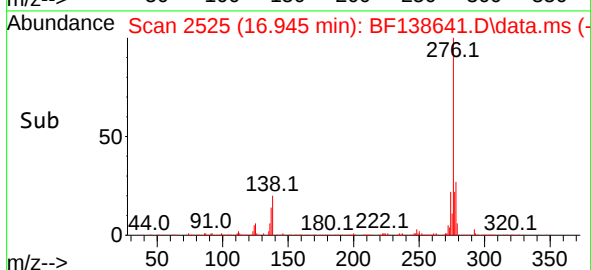
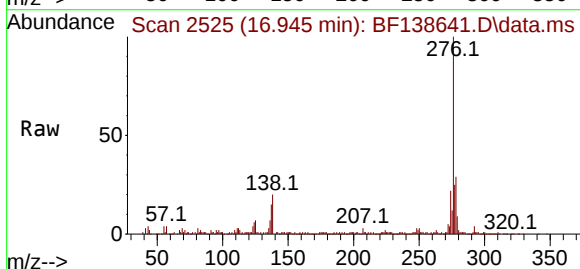
APPROVED

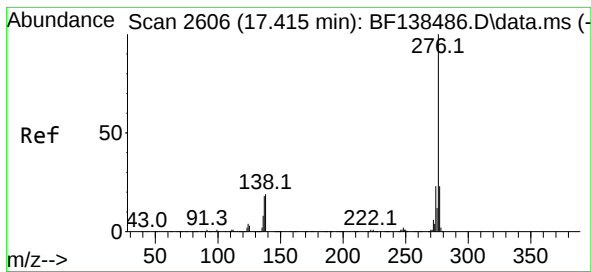
Reviewed By :Yogesh Patel 07/25/2024
Supervised By :mohammad ahmed 07/25/2024



#91
Dibenzo(a,h)anthracene
Concen: 9.101 ng
RT: 16.945 min Scan# 2525
Delta R.T. -0.035 min
Lab File: BF138641.D
Acq: 24 Jul 2024 15:41

Tgt Ion:278 Resp: 49065
Ion Ratio Lower Upper
278 100
139 0.0 12.8 19.2#
279 30.6 19.1 28.7#





#92

Benzo(g,h,i)perylene

Concen: 30.707 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF138641.D

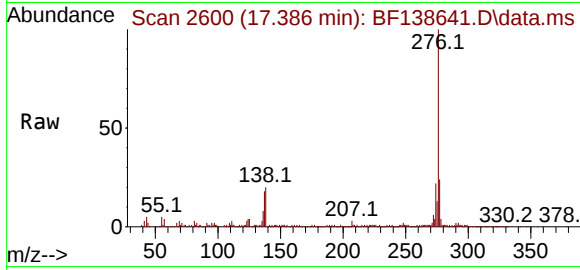
Acq: 24 Jul 2024 15:41

Instrument :

BNA_F

ClientSampleId :

SU-03-072324



Tgt Ion:276 Resp: 175540

Ion Ratio Lower Upper

276 100

277 23.8 18.0 27.0

138 20.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/25/2024

Supervised By :mohammad ahmed 07/25/2024

