

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
 Data File : BF138674.D
 Acq On : 29 Jul 2024 17:43
 Operator : RC/JU
 Sample : P3362-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :mohammad ahmed 07/31/2024

Quant Time: Jul 29 19:22:26 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	6.845	152	94297	20.000	ng	-0.02
21) Naphthalene-d8	8.128	136	356469	20.000	ng	-0.02
39) Acenaphthene-d10	9.886	164	154368	20.000	ng	-0.02
64) Phenanthrene-d10	11.380	188	204156	20.000	ng	0.00
76) Chrysene-d12	14.021	240	141178	20.000	ng	0.00
86) Perylene-d12	15.486	264	108093	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	552993	92.877	ng	-0.01
7) Phenol-d6	6.487	99	736404	92.973	ng	-0.02
23) Nitrobenzene-d5	7.410	82	471080	64.883	ng	-0.02
42) 2,4,6-Tribromophenol	10.680	330	105344	73.017	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	718772	72.772	ng	-0.02
79) Terphenyl-d14	12.963	244	562077	64.861	ng	-0.01
Target Compounds					Qvalue	
31) Naphthalene	8.151	128	45653	2.463	ng	100
37) 2-Methylnaphthalene	8.845	142	35223	2.952	ng	97
38) 1-Methylnaphthalene	8.945	142	63754	5.475	ng	99
46) 1,1'-Biphenyl	9.310	154	78468	6.707	ng	97
52) Acenaphthene	9.922	154	300673	36.049	ng	100
55) Dibenzofuran	10.092	168	311689	25.764	ng	99
58) Fluorene	10.439	166	407973	42.619	ng	99
71) Phenanthrene	11.410	178	1500490	145.479	ng	99
72) Anthracene	11.457	178	193230	18.873	ng	99
73) Carbazole	11.610	167	78913	8.577	ng	99
75) Fluoranthene	12.598	202	927677	88.145	ng	97
78) Pyrene	12.821	202	639545	44.625	ng	97
81) Benzo(a)anthracene	14.010	228	188940	19.945	ng	98
83) Chrysene	14.045	228	137125	15.301	ng	97
87) Indeno(1,2,3-cd)pyrene	16.956	276	23410	3.224	ng	95
88) Benzo(b)fluoranthene	15.057	252	86613m	14.228	ng	
89) Benzo(k)fluoranthene	15.074	252	29526m	4.973	ng	
90) Benzo(a)pyrene	15.421	252	42588	7.964	ng	95
92) Benzo(g,h,i)perylene	17.404	276	20321	3.227	ng	# 92

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

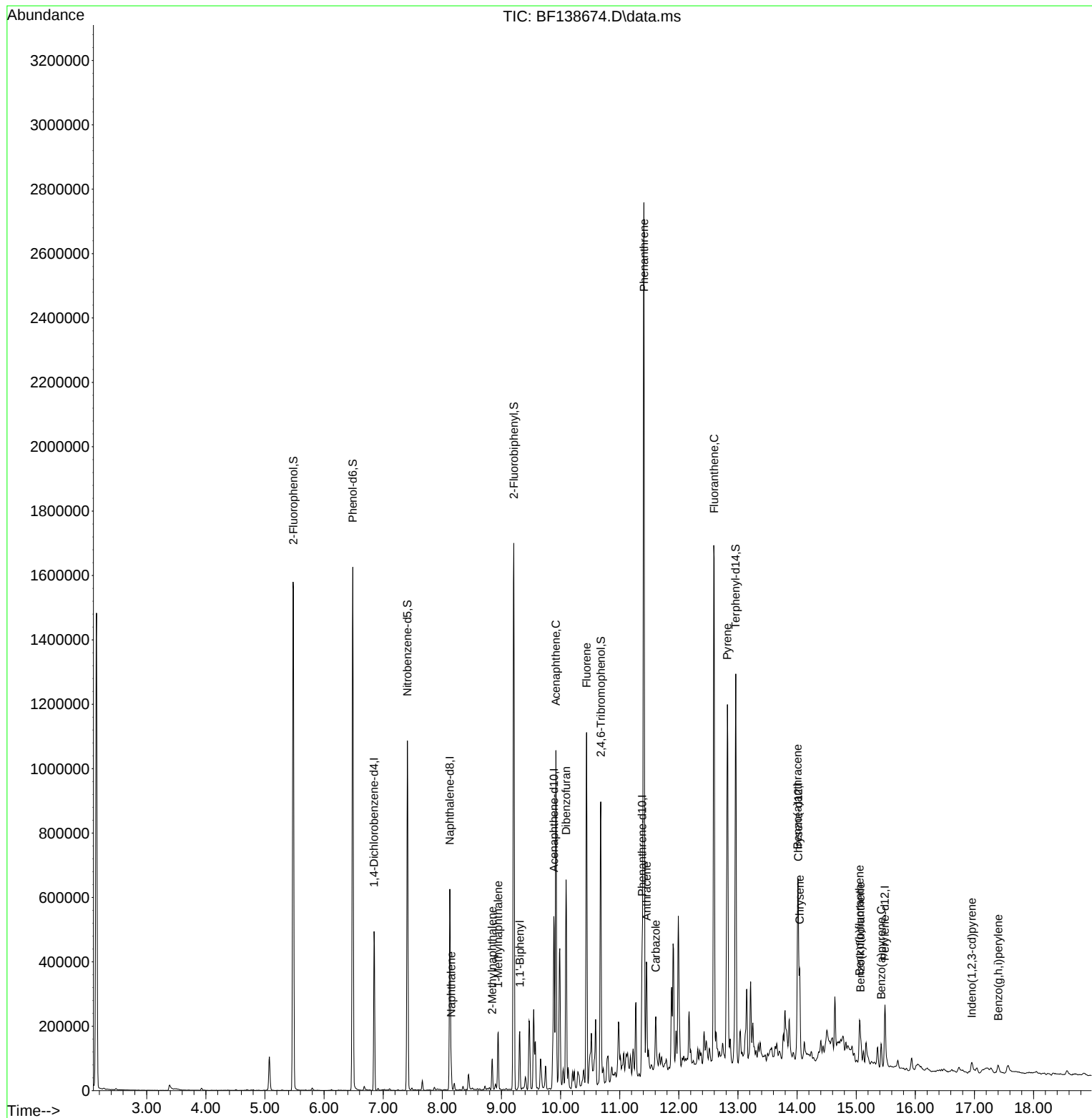
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072924\
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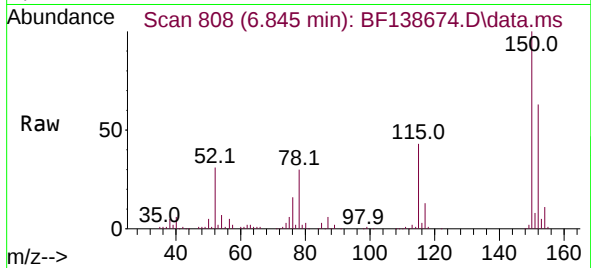
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 808
Delta R.T. -0.024 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

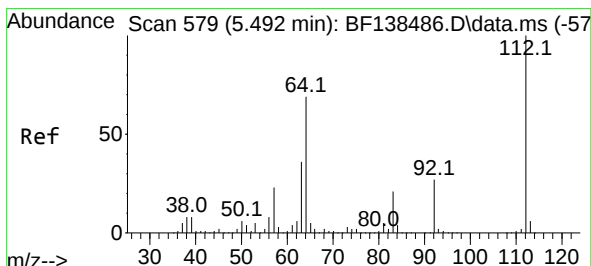
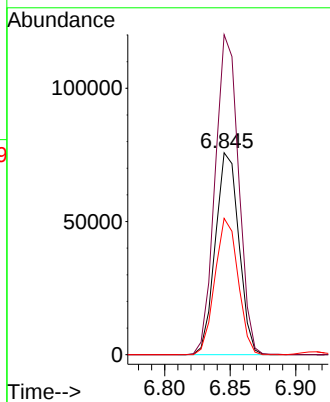
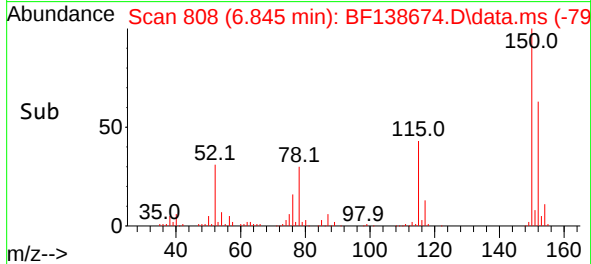
Instrument :
BNA_F
ClientSampleId :
VNJ-220



Tgt Ion:152 Resp: 9429
Ion Ratio Lower Upper
152 100
150 158.5 126.2 189.4
115 67.5 50.3 75.5

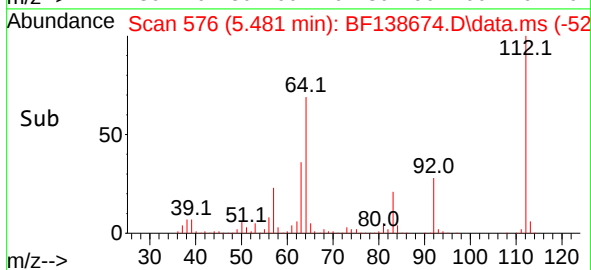
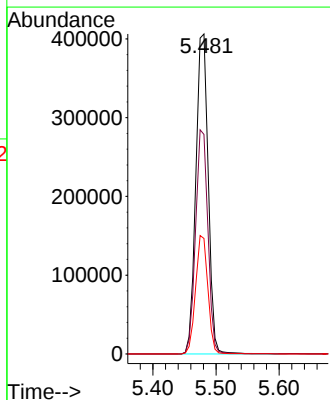
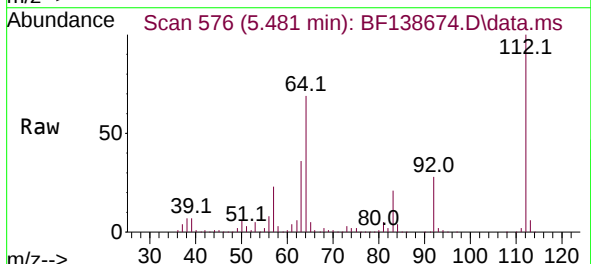
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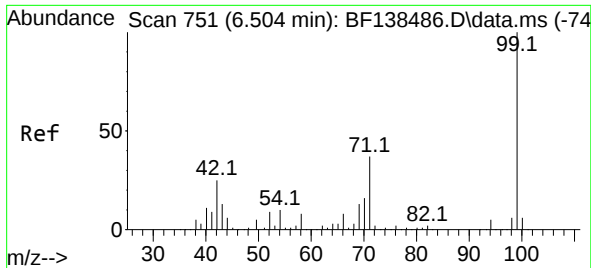
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#5
2-Fluorophenol
Concen: 92.877 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

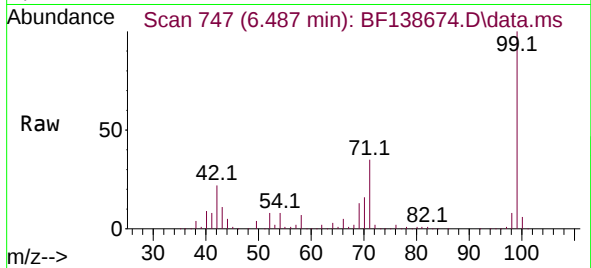
Tgt Ion:112 Resp: 552993
Ion Ratio Lower Upper
112 100
64 68.6 55.1 82.7
63 36.1 29.0 43.6





#7
Phenol-d6
Concen: 92.973 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

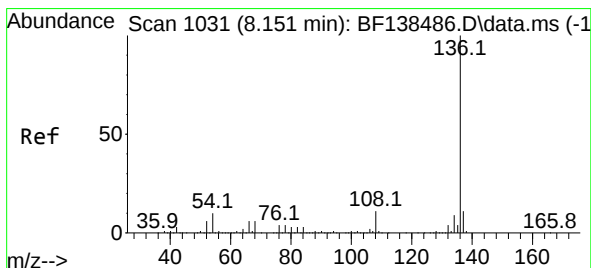
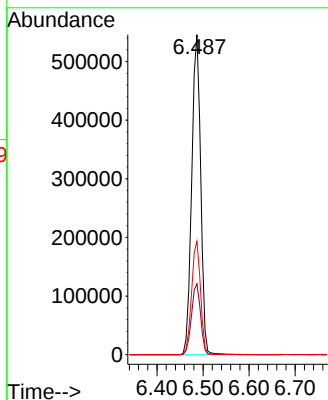
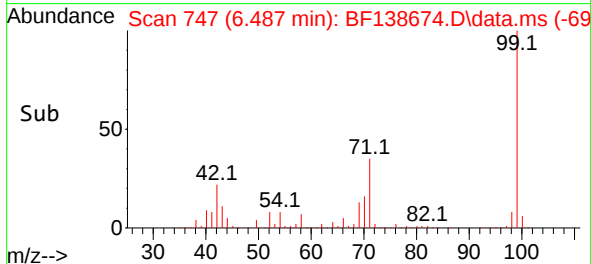
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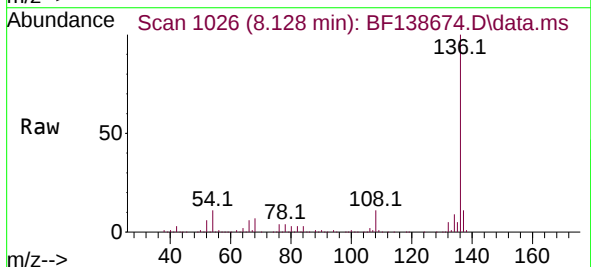
Tgt Ion: 99 Resp: 736404
Ion Ratio Lower Upper
99 100
42 22.1 19.7 29.5
71 35.4 29.9 44.9

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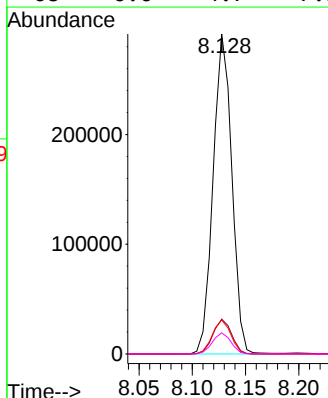
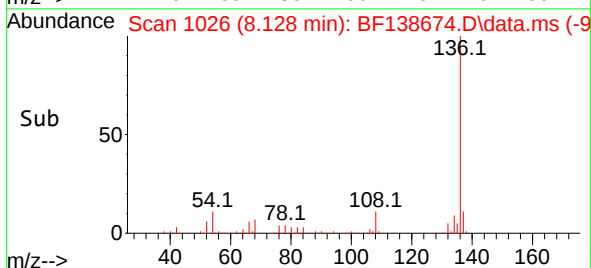
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

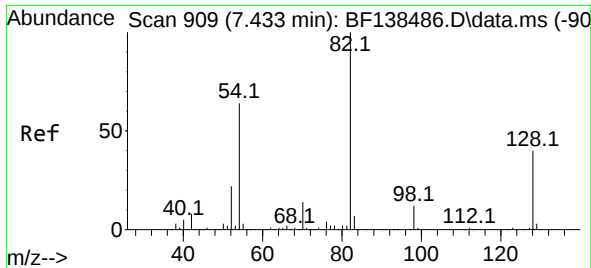


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.023 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43



Tgt Ion:136 Resp: 356469
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 10.6 8.1 12.1
68 6.6 4.7 7.1





#23
Nitrobenzene-d5
Concen: 64.883 ng
RT: 7.410 min Scan# 909
Delta R.T. -0.023 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

Instrument :

BNA_F

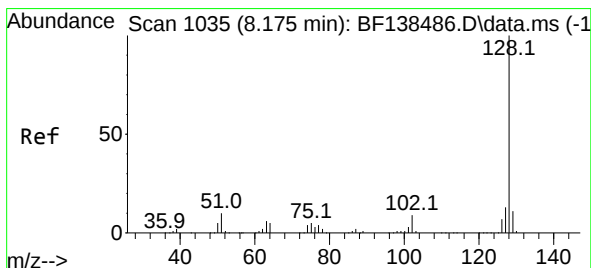
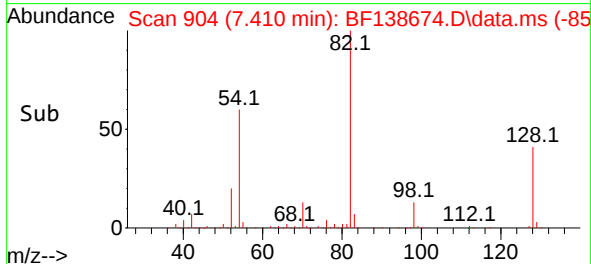
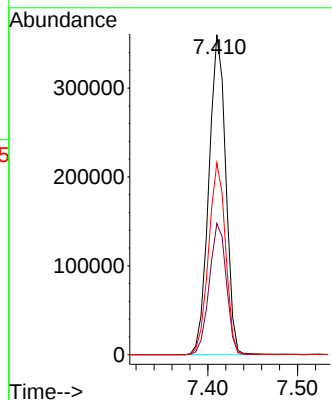
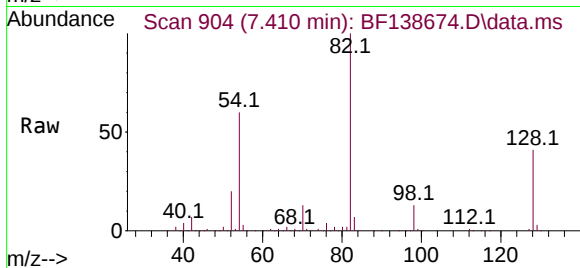
ClientSampleId :

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Tgt Ion: 82 Resp: 471080
Ion Ratio Lower Upper
82 100
128 41.0 32.3 48.5
54 60.0 51.4 77.0

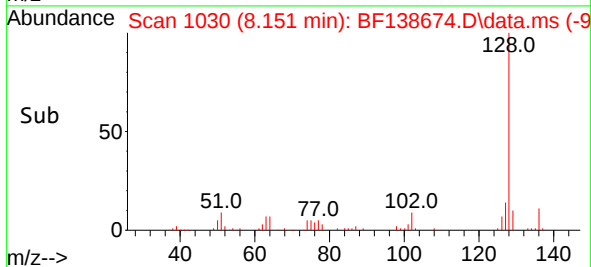
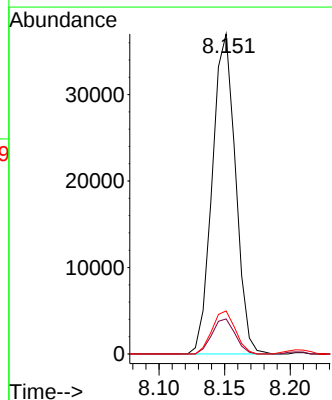
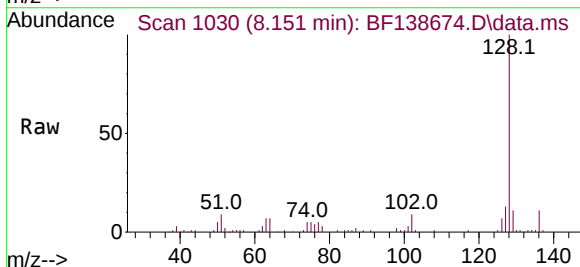
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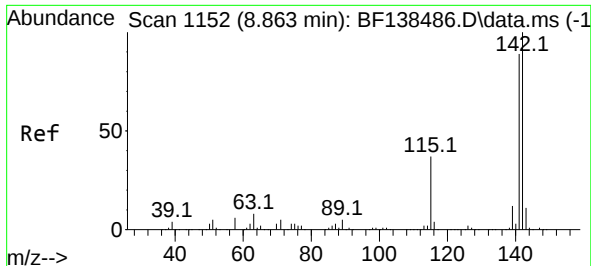
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#31
Naphthalene
Concen: 2.463 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.023 min
Lab File: BF138674.D
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Tgt Ion:128 Resp: 45653
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.4 10.7 16.1





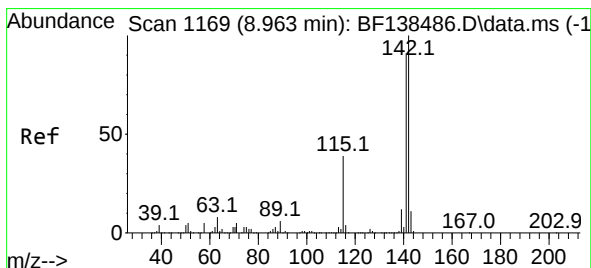
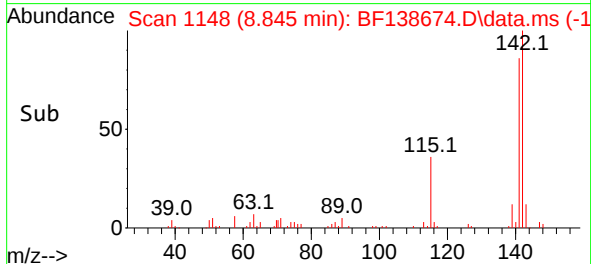
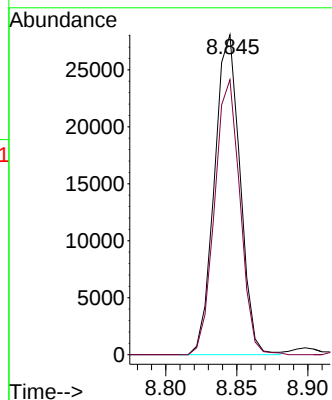
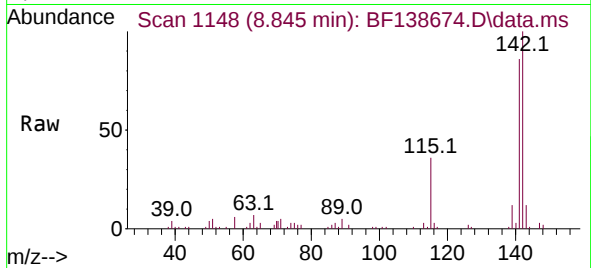
#37
2-Methylnaphthalene
Concen: 2.952 ng
RT: 8.845 min Scan# 1148
Delta R.T. -0.018 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-220

Tgt Ion:142 Resp: 3522
Ion Ratio Lower Upper
142 100
141 86.0 71.4 107.0

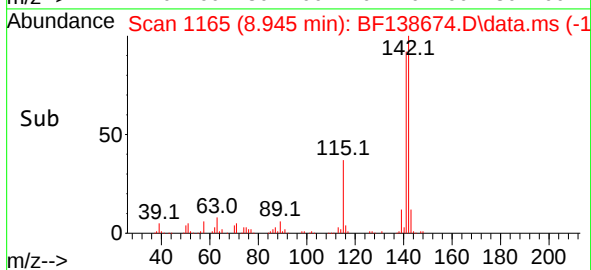
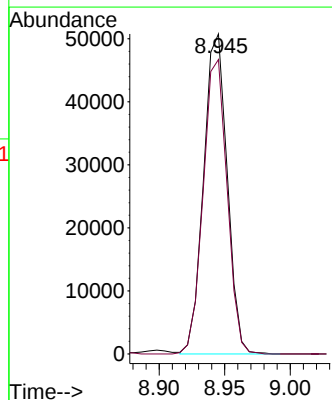
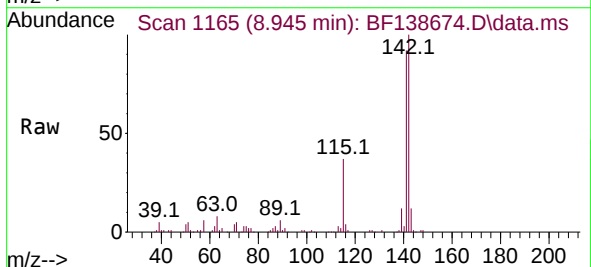
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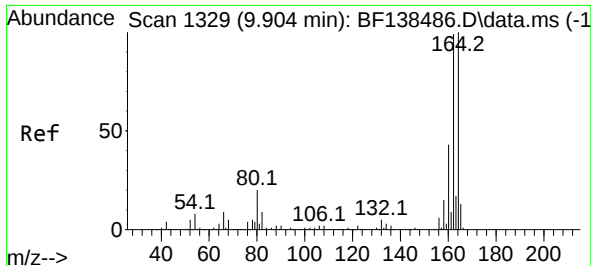
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#38
1-Methylnaphthalene
Concen: 5.475 ng
RT: 8.945 min Scan# 1165
Delta R.T. -0.018 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

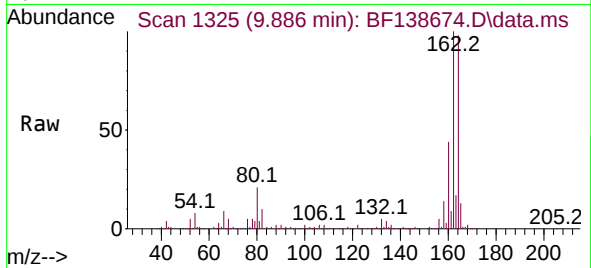
Tgt Ion:142 Resp: 63754
Ion Ratio Lower Upper
142 100
141 92.0 72.6 108.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

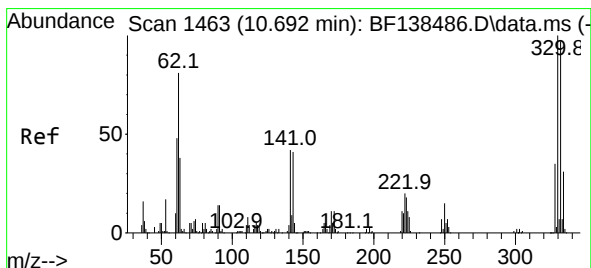
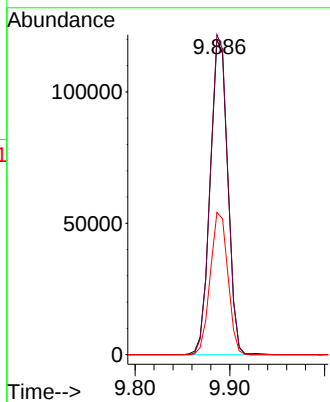
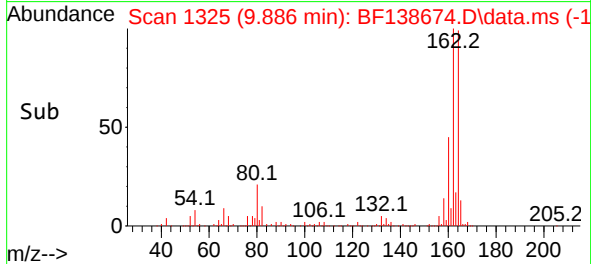
Instrument :
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ClientSampleId :
VNJ-220



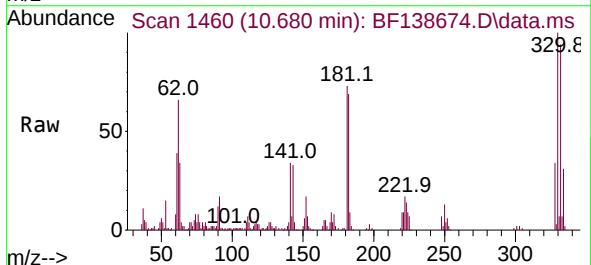
Tgt Ion:164 Resp: 15436
Ion Ratio Lower Upper
164 100
162 101.6 79.0 118.6
160 45.1 34.4 51.6

Manual Integrations
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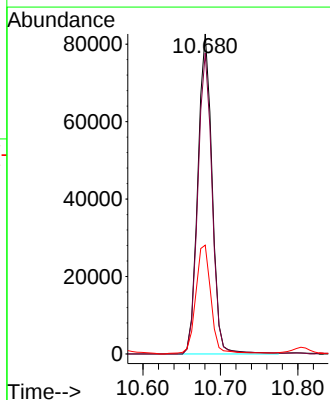
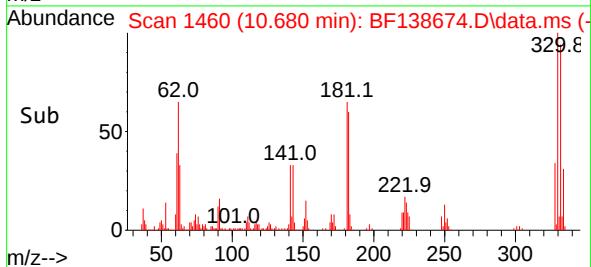
Reviewed By :Yogesh Patel 07/30/2024
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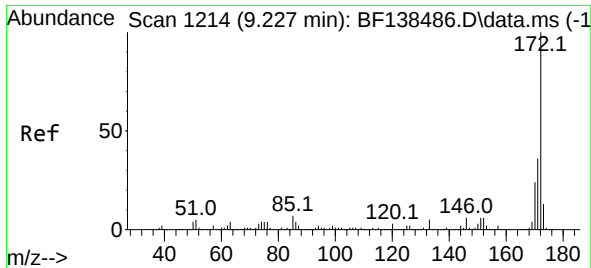


#42
2,4,6-Tribromophenol
Concen: 73.017 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43



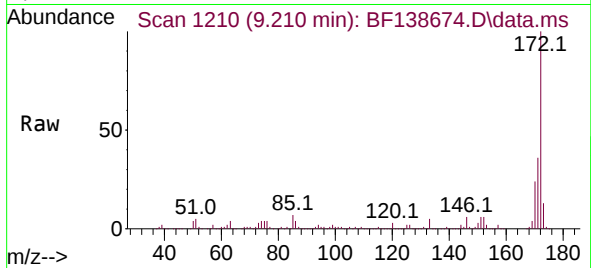
Tgt Ion:330 Resp: 105344
Ion Ratio Lower Upper
330 100
332 94.4 76.8 115.2
141 36.8 29.4 44.2





#45
2-Fluorobiphenyl
Concen: 72.772 ng
RT: 9.210 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

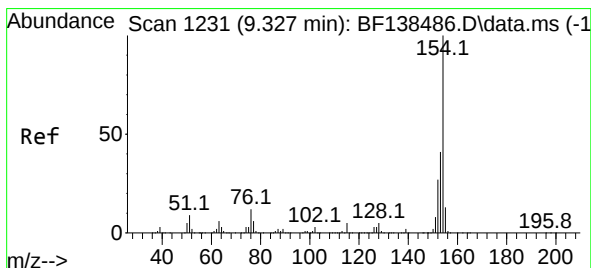
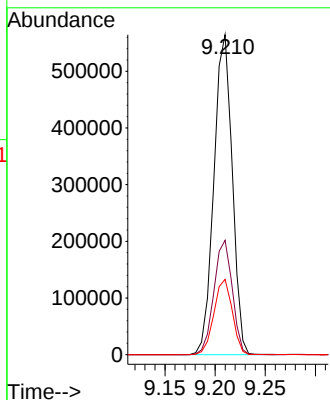
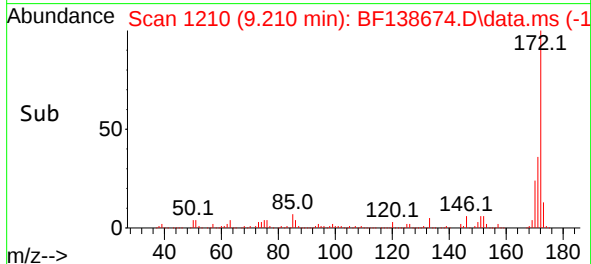
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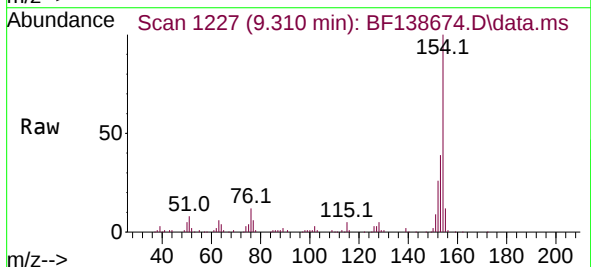
Tgt Ion:172 Resp: 718772
Ion Ratio Lower Upper
172 100
171 35.8 28.9 43.3
170 23.6 18.9 28.3

Manual Integrations
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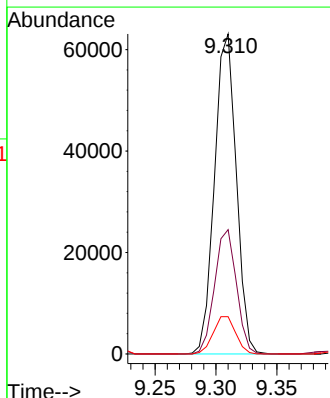
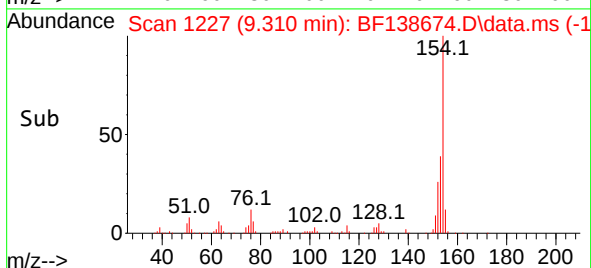
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

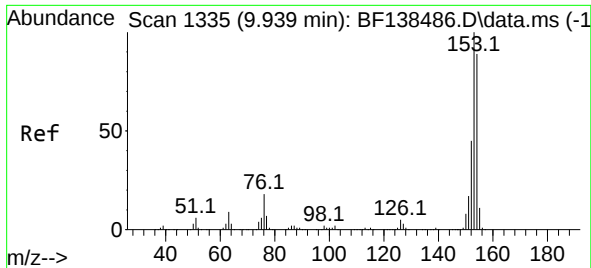


#46
1,1'-Biphenyl
Concen: 6.707 ng
RT: 9.310 min Scan# 1227
Delta R.T. -0.018 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43



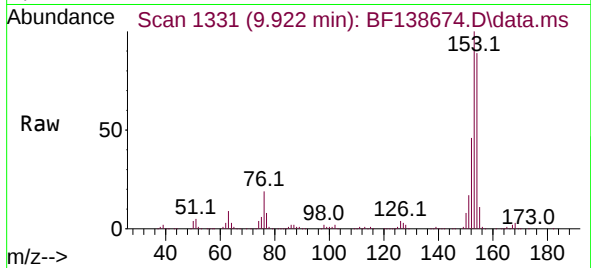
Tgt Ion:154 Resp: 78468
Ion Ratio Lower Upper
154 100
153 38.8 20.7 60.7
76 11.6 0.0 32.2





#52
Acenaphthene
Concen: 36.049 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.018 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

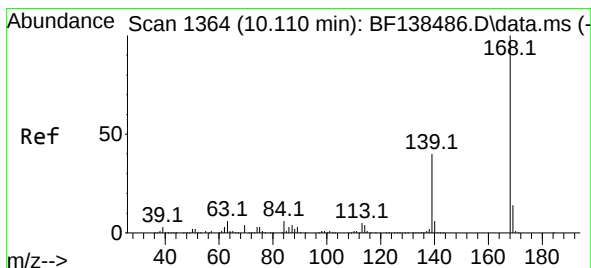
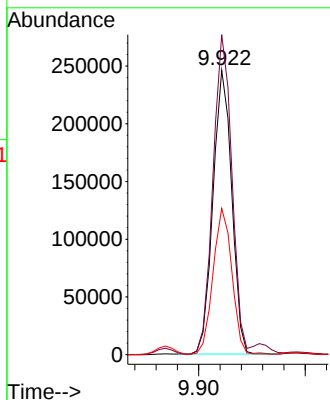
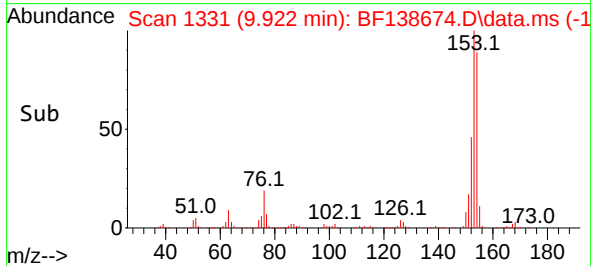
Instrument :
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ClientSampleId :
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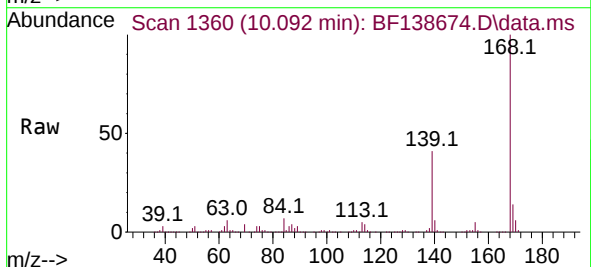
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Ion Ratio Lower Upper
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153 112.5 90.4 135.6
152 51.4 41.1 61.7

Manual Integrations
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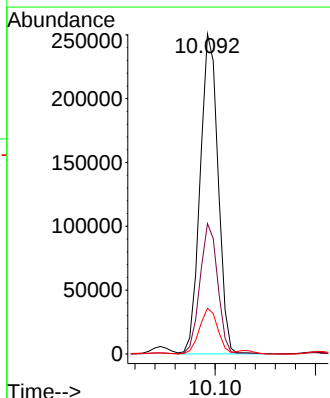
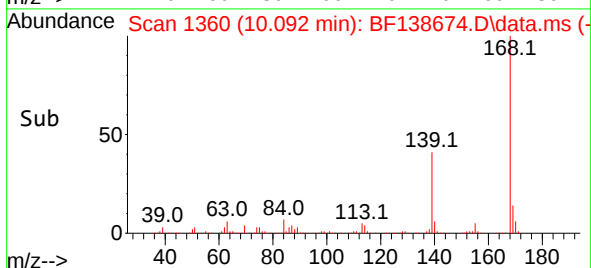
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

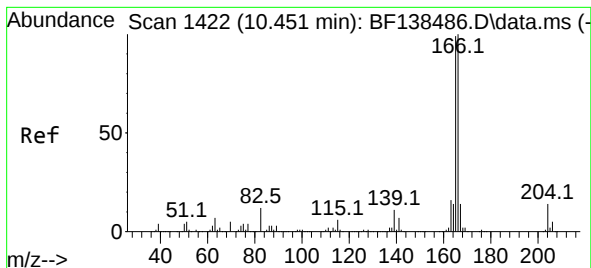


#55
Dibenzofuran
Concen: 25.764 ng
RT: 10.092 min Scan# 1360
Delta R.T. -0.018 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43



Tgt Ion:168 Resp: 311689
Ion Ratio Lower Upper
168 100
139 40.8 32.4 48.6
169 14.3 10.9 16.3





#58

Fluorene

Concen: 42.619 ng

RT: 10.439 min Scan# 1419

Delta R.T. -0.012 min

Lab File: BF138674.D

Acq: 29 Jul 2024 17:43

Instrument :

BNA_F

ClientSampleId :

VNJ-220

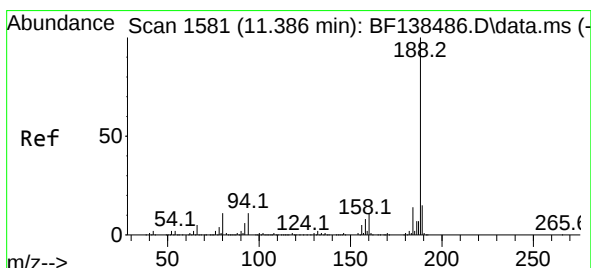
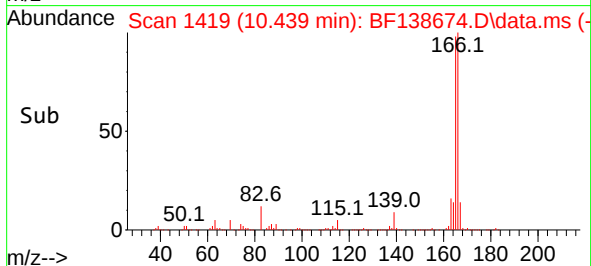
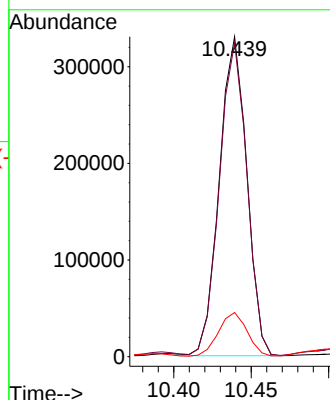
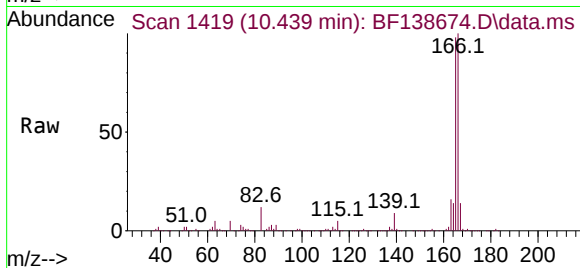
Tgt Ion:166 Resp: 40797
 Ion Ratio Lower Upper
 166 100
 165 98.1 79.1 118.7
 167 13.8 11.0 16.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

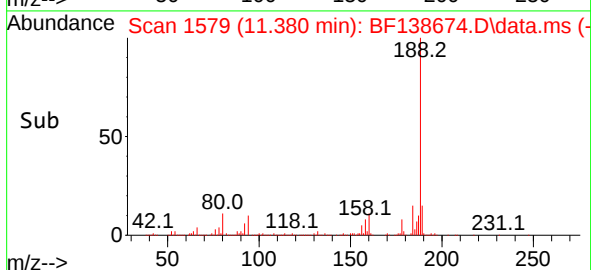
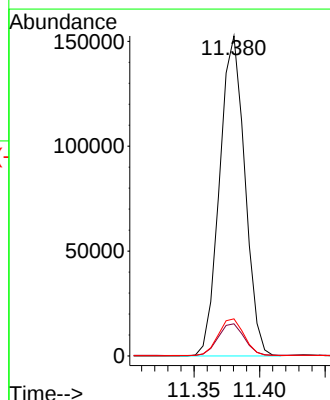
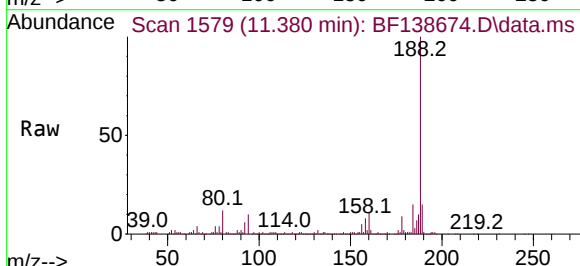
RT: 11.380 min Scan# 1579

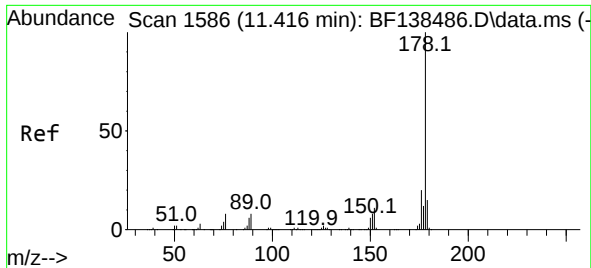
Delta R.T. -0.006 min

Lab File: BF138674.D

Acq: 29 Jul 2024 17:43

Tgt Ion:188 Resp: 204156
 Ion Ratio Lower Upper
 188 100
 94 10.0 8.7 13.1
 80 11.6 9.0 13.4





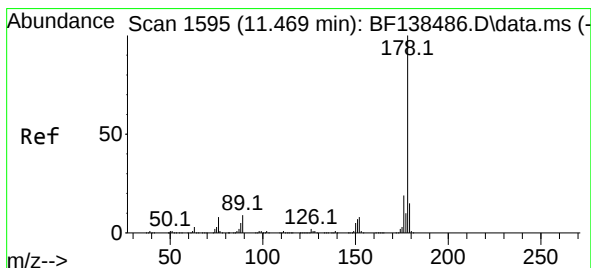
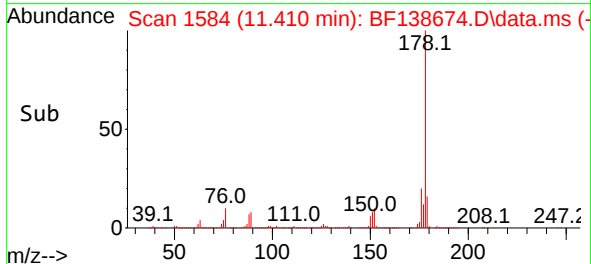
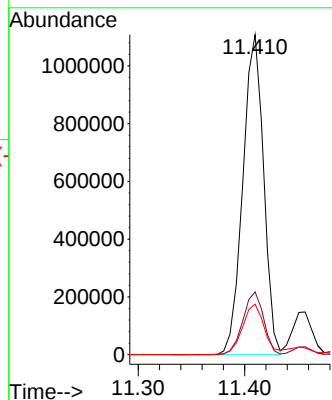
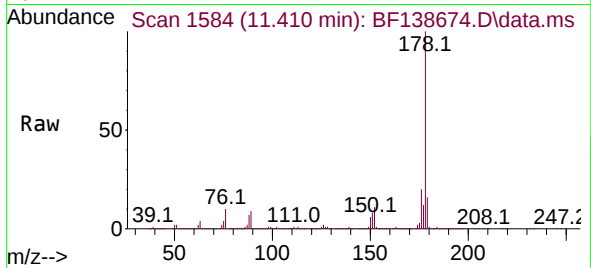
#71
Phenanthrene
Concen: 145.479 ng
RT: 11.410 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-220

Tgt Ion:178 Resp: 1500490
Ion Ratio Lower Upper
178 100
176 19.7 15.7 23.5
179 15.8 12.2 18.2

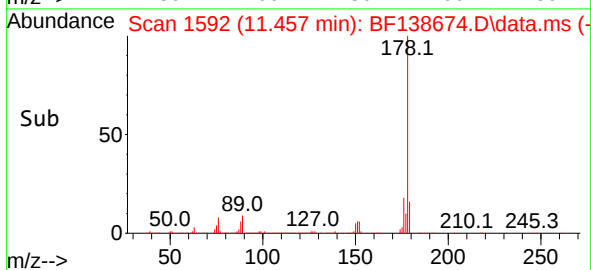
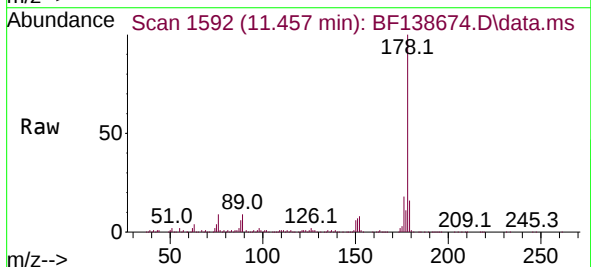
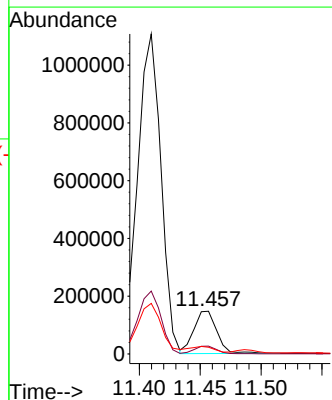
Manual Integrations
APPROVED

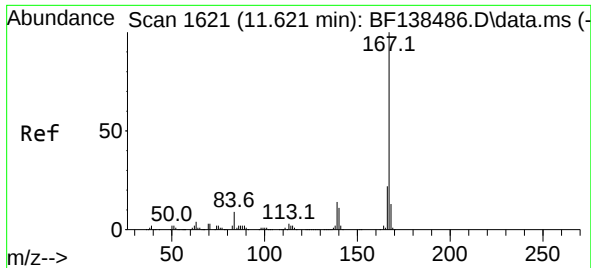
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#72
Anthracene
Concen: 18.873 ng
RT: 11.457 min Scan# 1592
Delta R.T. -0.012 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

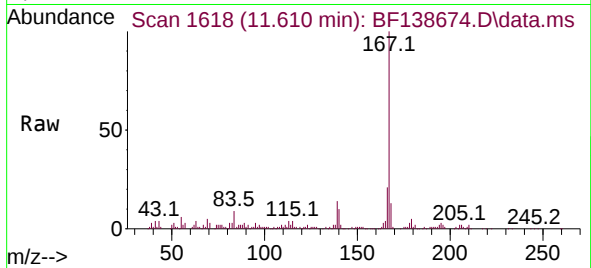
Tgt Ion:178 Resp: 193230
Ion Ratio Lower Upper
178 100
176 18.5 14.8 22.2
179 15.9 12.2 18.4





#73
 Carbazole
 Concen: 8.577 ng
 RT: 11.610 min Scan# 1618
 Delta R.T. -0.012 min
 Lab File: BF138674.D
 Acq: 29 Jul 2024 17:43

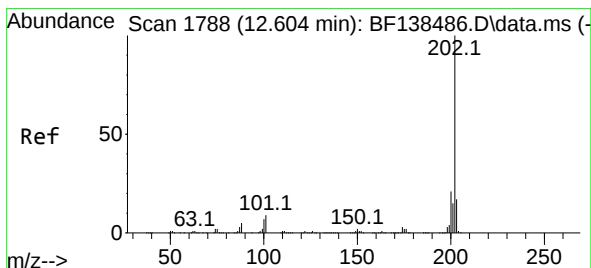
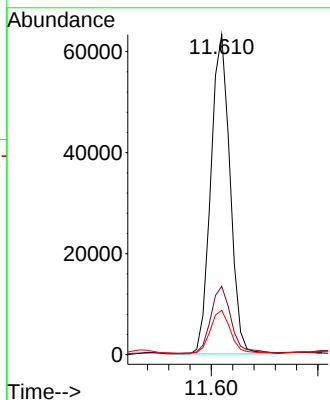
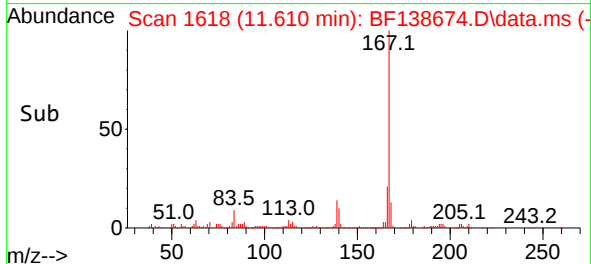
Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220



Tgt Ion:167 Resp: 7891
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.8 26.6
 139 13.8 11.0 16.4

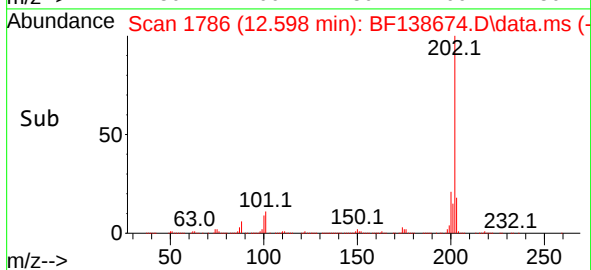
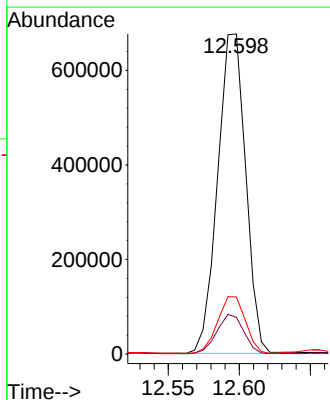
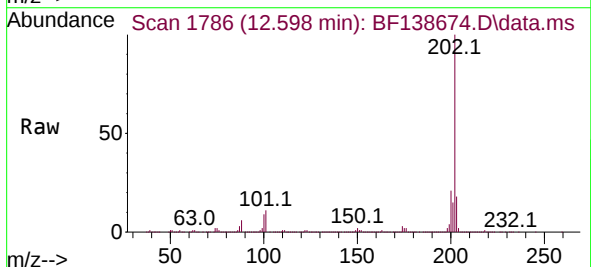
Manual Integrations
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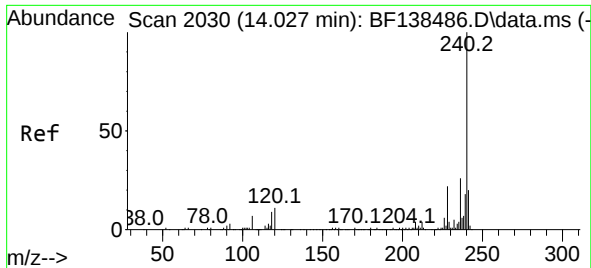
Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :mohammad ahmed 07/31/2024



#75
 Fluoranthene
 Concen: 88.145 ng
 RT: 12.598 min Scan# 1786
 Delta R.T. -0.006 min
 Lab File: BF138674.D
 Acq: 29 Jul 2024 17:43

Tgt Ion:202 Resp: 927677
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 29.2
 203 17.8 0.0 37.3





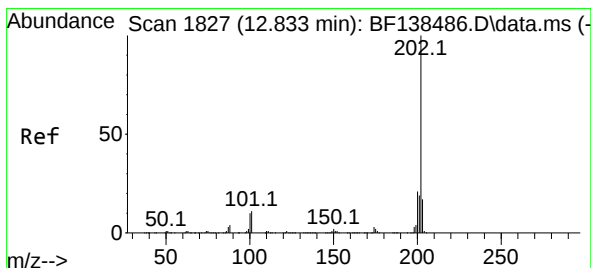
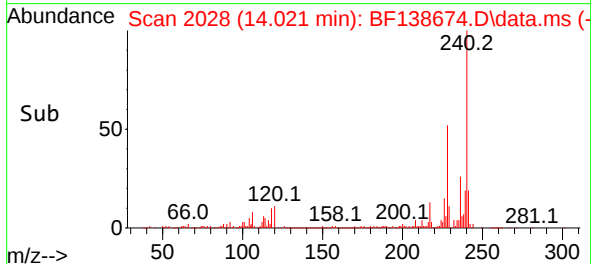
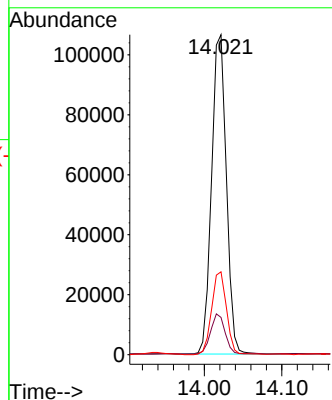
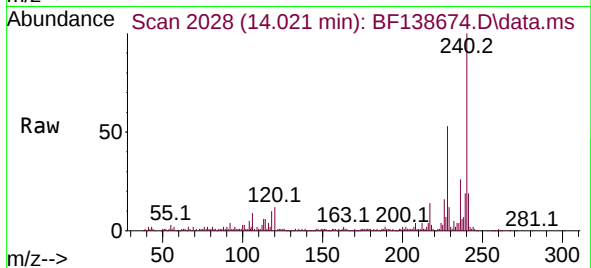
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.021 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-220

Tgt Ion:240 Resp: 141178
Ion Ratio Lower Upper
240 100
120 11.7 8.6 12.8
236 25.9 21.0 31.6

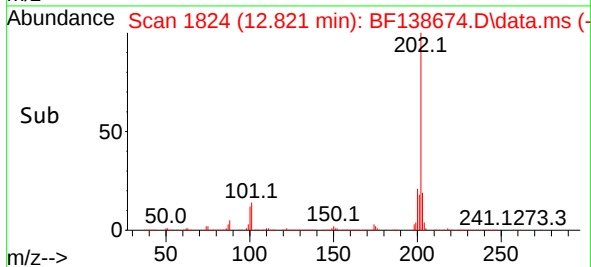
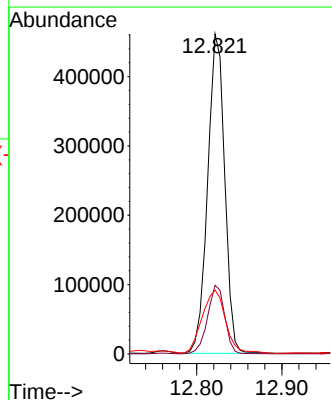
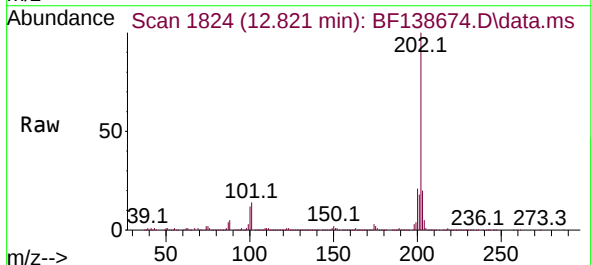
Manual Integrations
APPROVED

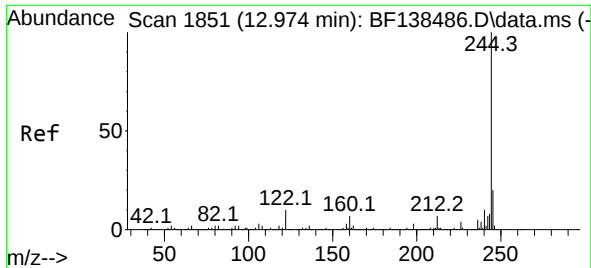
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#78
Pyrene
Concen: 44.625 ng
RT: 12.821 min Scan# 1824
Delta R.T. -0.012 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

Tgt Ion:202 Resp: 639545
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 19.9 13.7 20.5





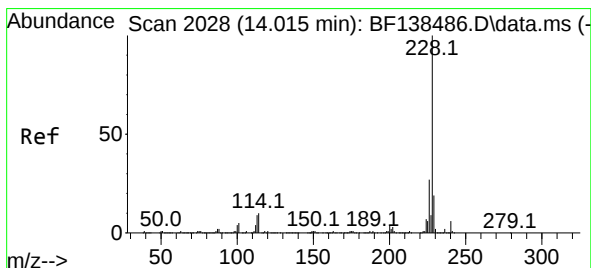
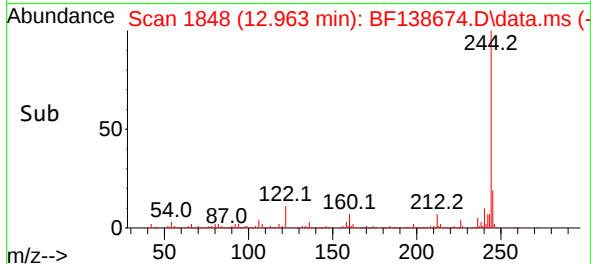
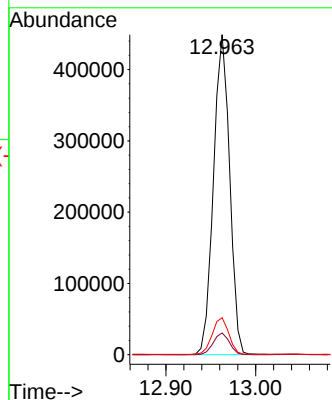
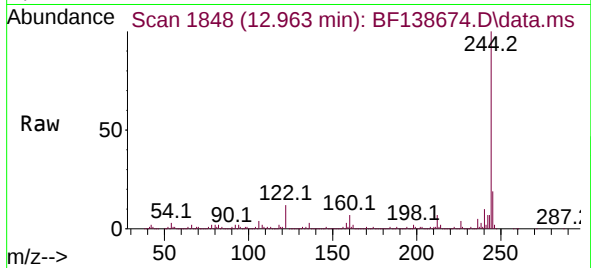
#79
 Terphenyl-d14
 Concen: 64.861 ng
 RT: 12.963 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF138674.D
 Acq: 29 Jul 2024 17:43

Instrument :
 BNA_F
 ClientSampleId :
 VNJ-220

Tgt Ion:244 Resp: 56207
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 11.6 7.8 11.8

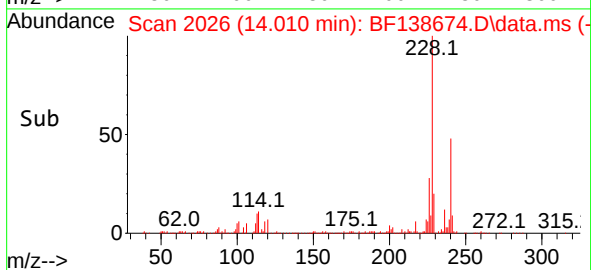
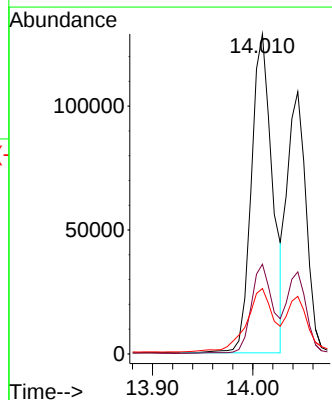
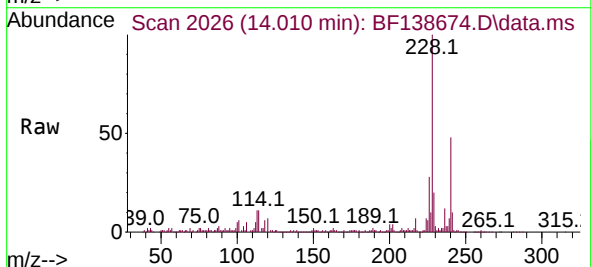
Manual Integrations
 APPROVED

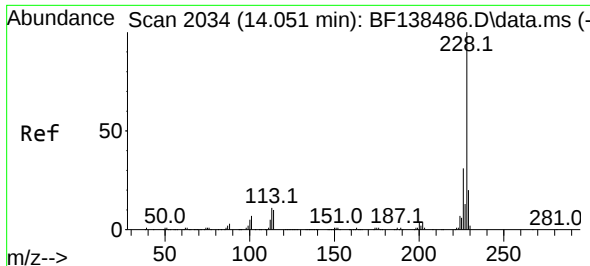
Reviewed By :Yogesh Patel 07/30/2024
 Supervised By :mohammad ahmed 07/31/2024



#81
 Benzo(a)anthracene
 Concen: 19.945 ng
 RT: 14.010 min Scan# 2026
 Delta R.T. -0.006 min
 Lab File: BF138674.D
 Acq: 29 Jul 2024 17:43

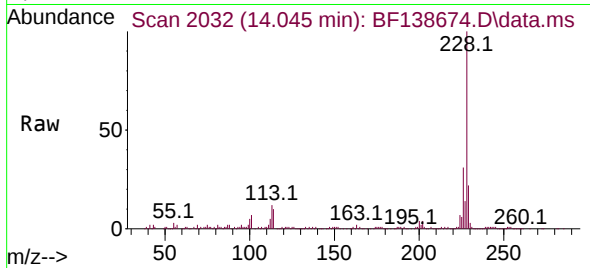
Tgt Ion:228 Resp: 188940
 Ion Ratio Lower Upper
 228 100
 226 28.0 21.9 32.9
 229 20.5 15.5 23.3





#83
Chrysene
Concen: 15.301 ng
RT: 14.045 min Scan# 2034
Delta R.T. -0.006 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

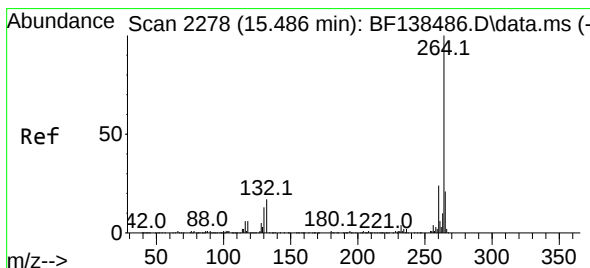
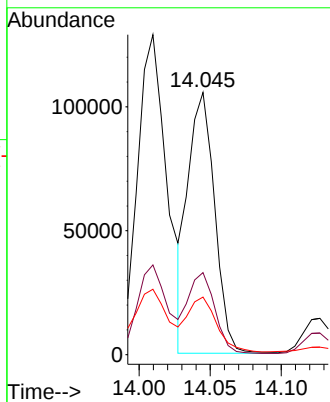
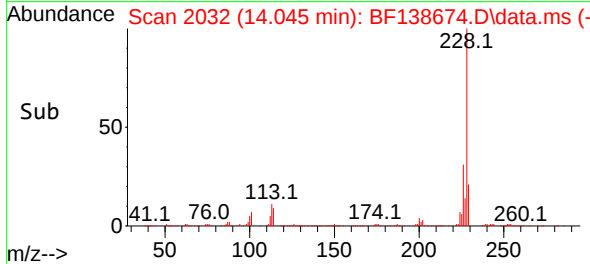
Instrument :
BNA_F
ClientSampleId :
VNJ-220



Tgt Ion:228 Resp: 137125
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 22.0 16.0 24.0

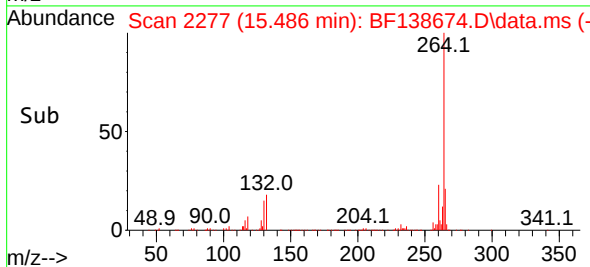
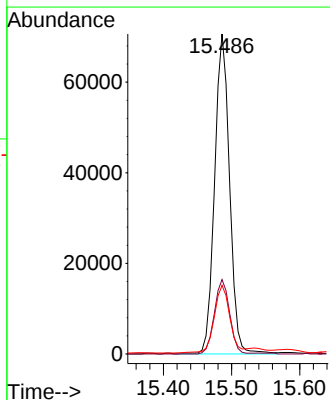
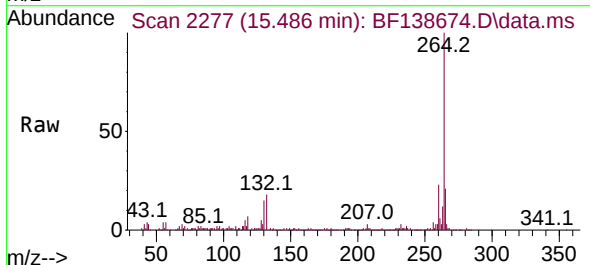
Manual Integrations
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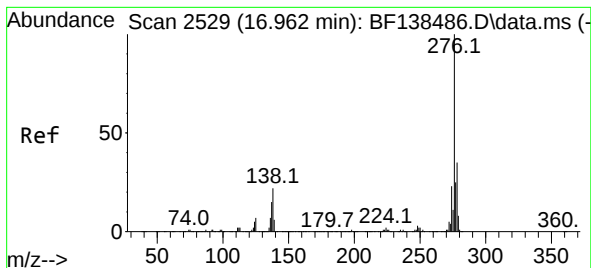
Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.486 min Scan# 2277
Delta R.T. 0.000 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

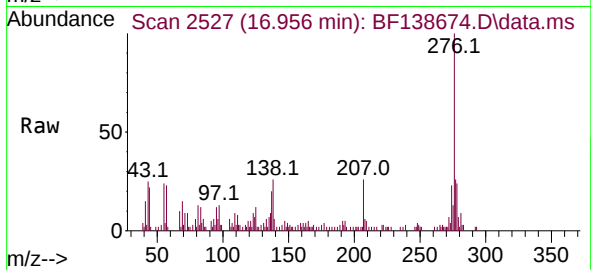
Tgt Ion:264 Resp: 108093
Ion Ratio Lower Upper
264 100
260 23.3 19.0 28.6
265 21.4 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.224 ng
RT: 16.956 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

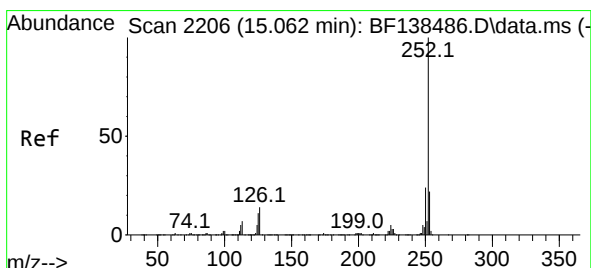
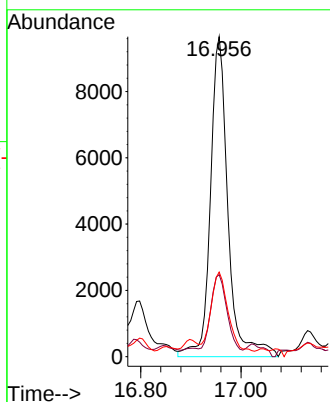
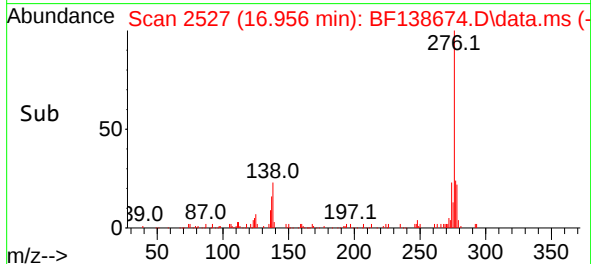
Instrument :
BNA_F
ClientSampleId :
VNJ-220



Tgt Ion: 276 Resp: 23410
Ion Ratio Lower Upper
276 100
138 20.9 19.6 29.4
277 23.8 20.5 30.7

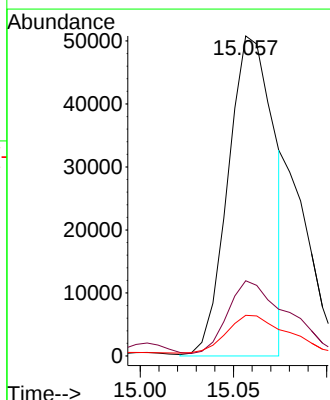
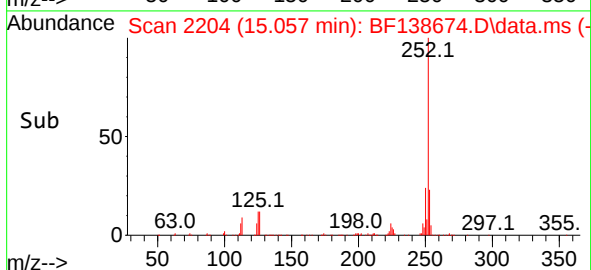
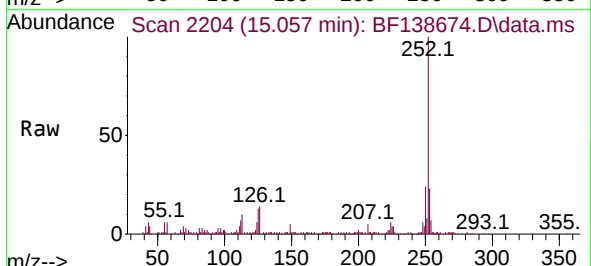
Manual Integrations
APPROVED

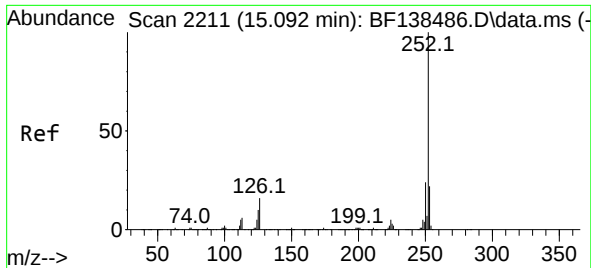
Reviewed By : Yogesh Patel 07/30/2024
Supervised By : mohammad ahmed 07/31/2024



#88
Benzo(b)fluoranthene
Concen: 14.228 ng m
RT: 15.057 min Scan# 2204
Delta R.T. -0.006 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

Tgt Ion: 252 Resp: 86613
Ion Ratio Lower Upper
252 100
253 23.5 17.3 25.9
125 12.7 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 4.973 ng m

RT: 15.074 min Scan# 2211

Delta R.T. -0.018 min

Lab File: BF138674.D

Acq: 29 Jul 2024 17:43

Instrument :

BNA_F

ClientSampleId :

VNJ-220

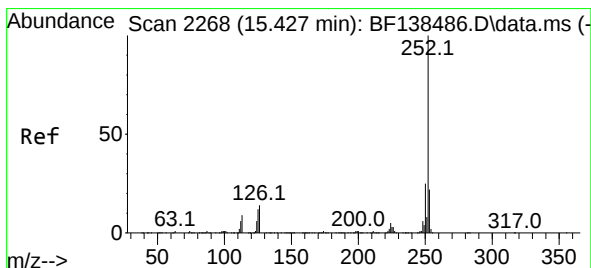
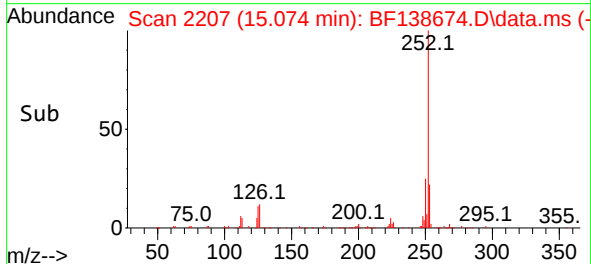
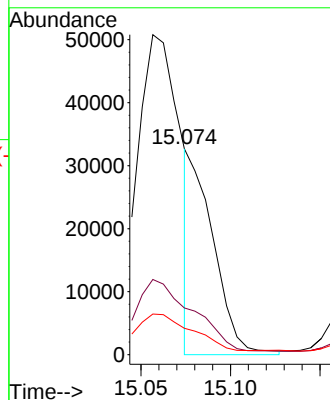
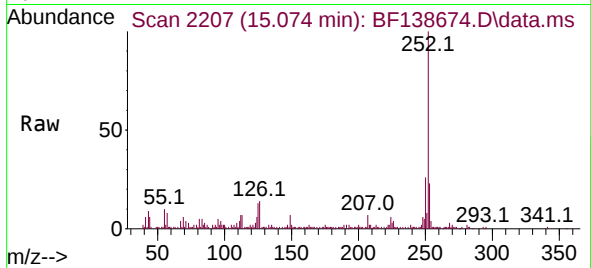
Tgt Ion:252 Resp: 29520
 Ion Ratio Lower Upper
 252 100
 253 22.7 17.7 26.5
 125 12.8 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/30/2024

Supervised By :mohammad ahmed 07/31/2024



#90

Benzo(a)pyrene

Concen: 7.964 ng

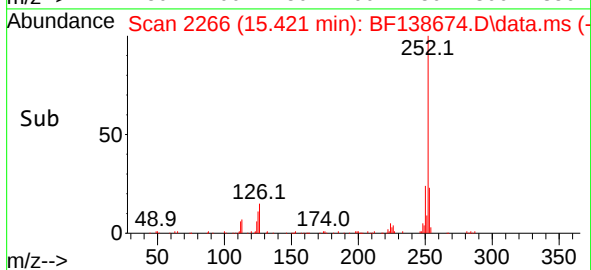
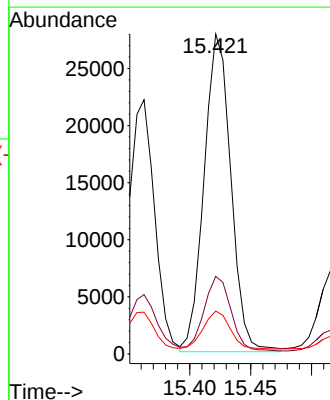
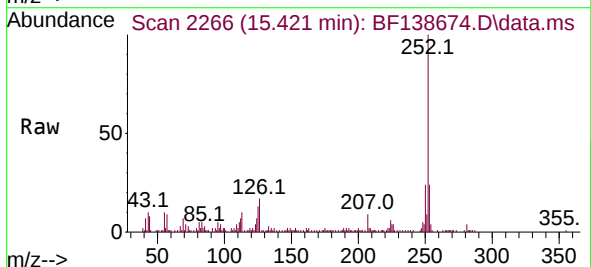
RT: 15.421 min Scan# 2266

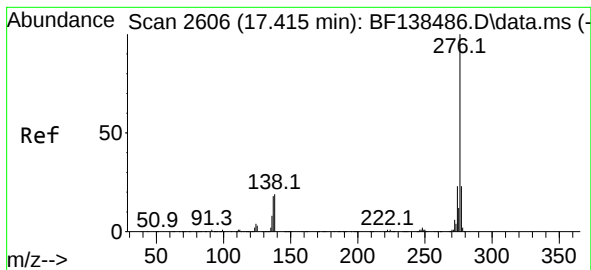
Delta R.T. -0.006 min

Lab File: BF138674.D

Acq: 29 Jul 2024 17:43

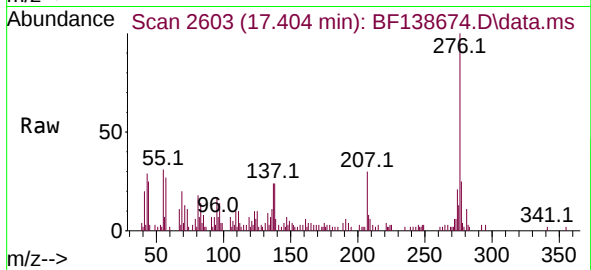
Tgt Ion:252 Resp: 42588
 Ion Ratio Lower Upper
 252 100
 253 24.2 17.4 26.0
 125 13.4 9.4 14.2





#92
Benzo(g,h,i)perylene
Concen: 3.227 ng
RT: 17.404 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF138674.D
Acq: 29 Jul 2024 17:43

Instrument :
BNA_F
ClientSampleId :
VNJ-220



Tgt Ion: 276 Resp: 2032
Ion Ratio Lower Upper
276 100
277 24.8 18.0 27.0
138 24.3 15.5 23.3

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/30/2024
Supervised By :mohammad ahmed 07/31/2024

