

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
 Data File : BF134230.D
 Acq On : 12 Jul 2023 00:40
 Operator : CG\JU
 Sample : 03488-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1-COMP

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/12/2023
 Supervised By :mohammad ahmed 07/12/2023

Quant Time: Jul 12 01:58:56 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 11 13:06:48 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	85372	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	303485	20.000	ng	0.00
39) Acenaphthene-d10	9.880	164	122392	20.000	ng	0.00
64) Phenanthrene-d10	11.374	188	213166	20.000	ng	0.00
76) Chrysene-d12	14.039	240	156663	20.000	ng	0.00
86) Perylene-d12	15.551	264	120334	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	549568	107.682	ng	0.00
7) Phenol-d6	6.481	99	634911	101.157	ng	0.00
23) Nitrobenzene-d5	7.404	82	424909	75.473	ng	0.00
42) 2,4,6-Tribromophenol	10.675	330	144251	94.002	ng	0.00
45) 2-Fluorobiphenyl	9.198	172	684397	81.299	ng	0.00
79) Terphenyl-d14	12.974	244	614051	63.082	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	94629	7.712	ng	98
58) Fluorene	10.433	166	33154	3.830	ng	96
71) Phenanthrene	11.398	178	344018	32.058	ng	99
72) Anthracene	11.451	178	109589	9.818	ng	97
75) Fluoranthene	12.604	202	793049	68.358	ng	97
78) Pyrene	12.833	202	754801	51.771	ng	99
81) Benzo(a)anthracene	14.033	228	434812	40.020	ng	94
83) Chrysene	14.068	228	414529	39.391	ng	98
87) Indeno(1,2,3-cd)pyrene	17.098	276	175322	20.997	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	473290m	66.889	ng	
89) Benzo(k)fluoranthene	15.133	252	111834m	15.523	ng	
90) Benzo(a)pyrene	15.486	252	324422	47.415	ng	98
91) Dibenzo(a,h)anthracene	17.109	278	45604	6.687	ng	# 89
92) Benzo(g,h,i)perylene	17.574	276	169190	24.056	ng	98

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

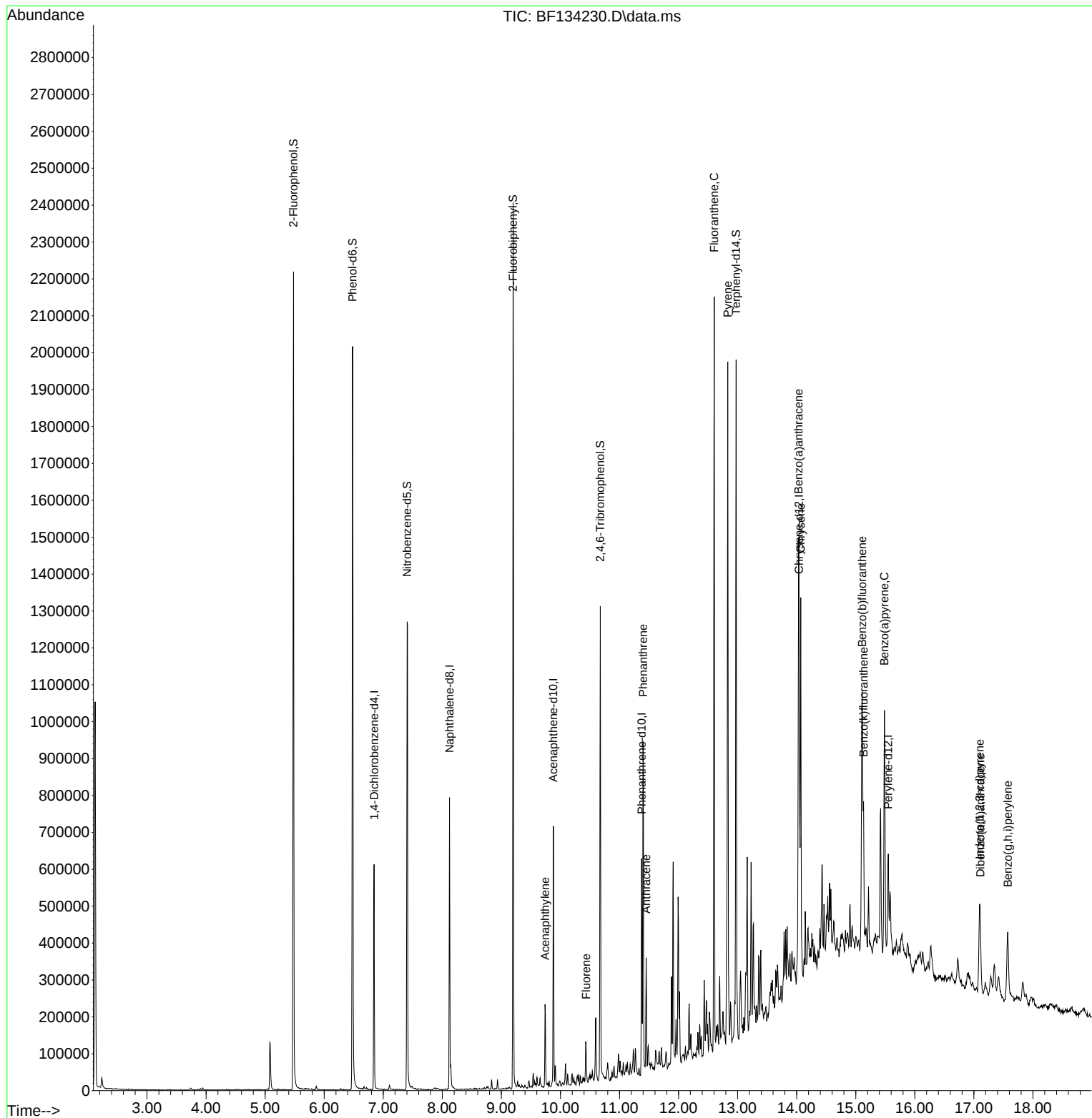
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071123\
Data File : BF134230.D
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Sample : 03488-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

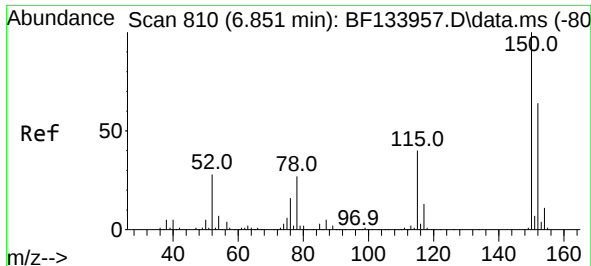
Instrument :
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Quant Time: Jul 12 01:58:56 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
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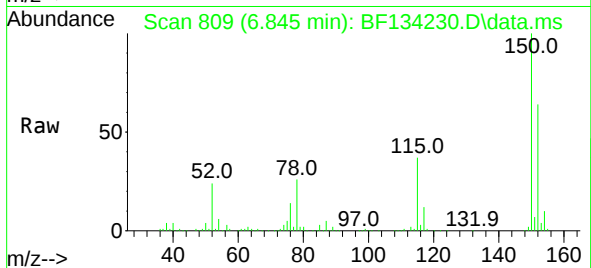
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

WC-1-COMP

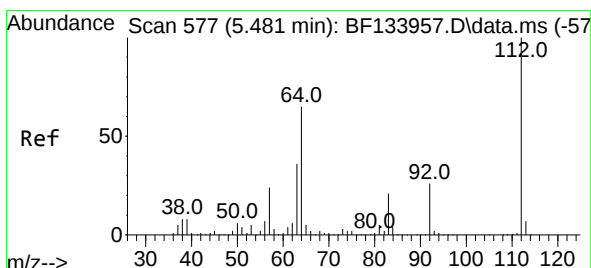
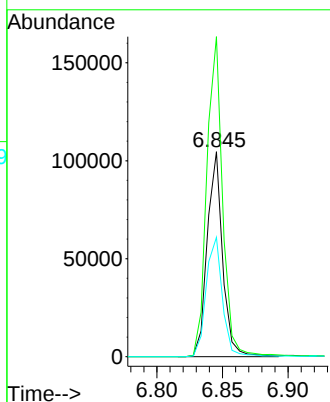
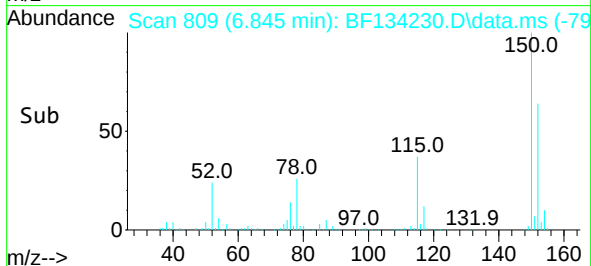


Tgt Ion:152 Resp: 85372
Ion Ratio Lower Upper
152 100
150 156.1 124.5 186.7
115 58.2 50.2 75.2

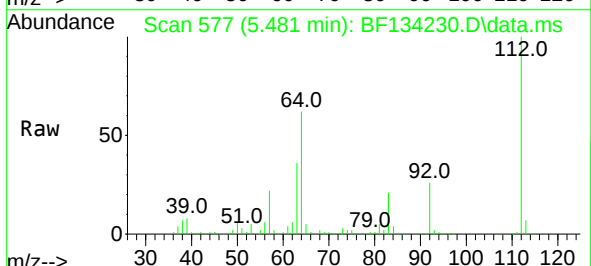
Manual Integrations

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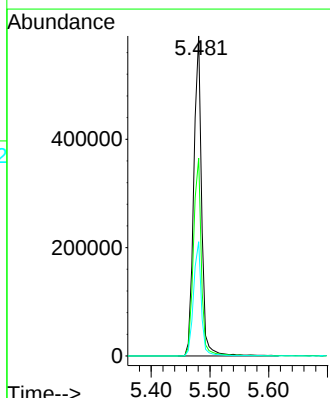
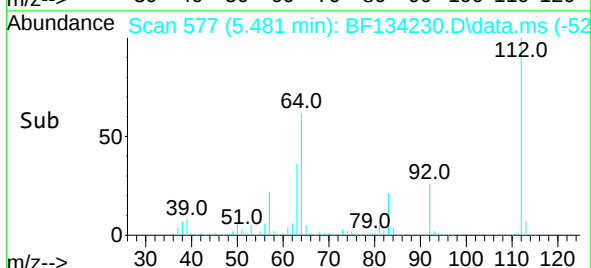
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

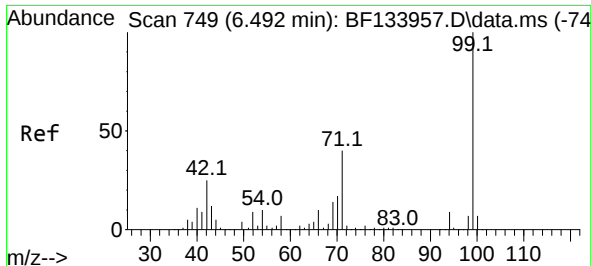


#5
2-Fluorophenol
Concen: 107.682 ng
RT: 5.481 min Scan# 577
Delta R.T. 0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40



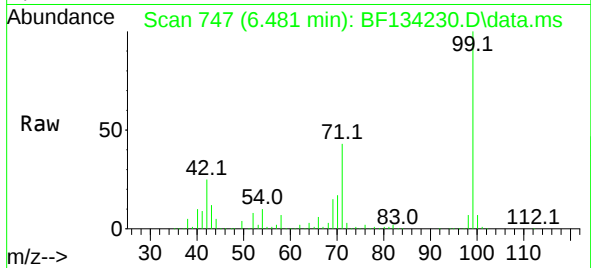
Tgt Ion:112 Resp: 549568
Ion Ratio Lower Upper
112 100
64 61.8 52.1 78.1
63 35.7 28.6 42.8





#7
Phenol-d6
Concen: 101.157 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

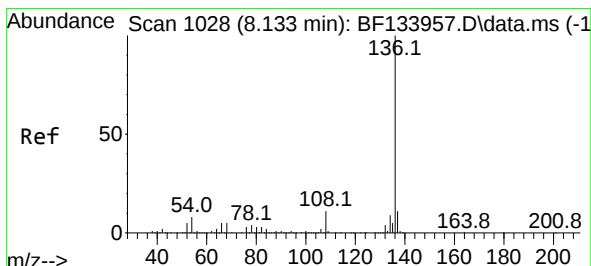
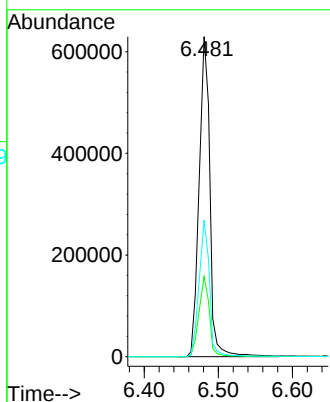
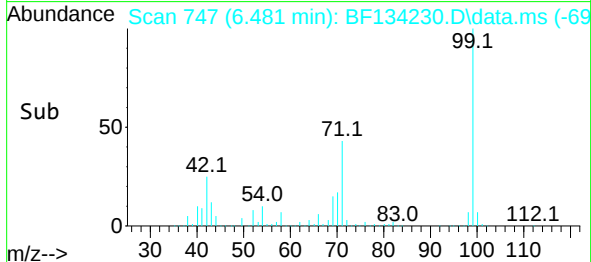
Instrument :
BNA_F
ClientSampleId :
WC-1-COMP



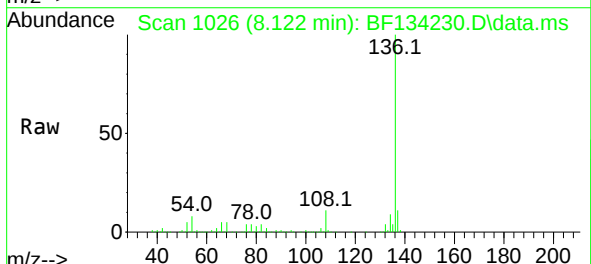
Tgt Ion: 99 Resp: 63491
Ion Ratio Lower Upper
99 100
42 25.1 19.8 29.6
71 42.6 31.9 47.9

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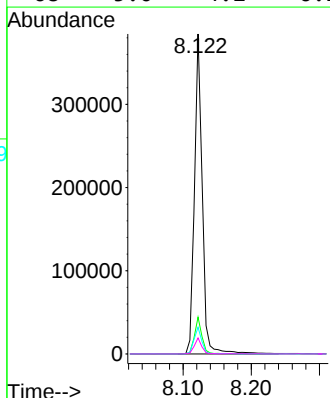
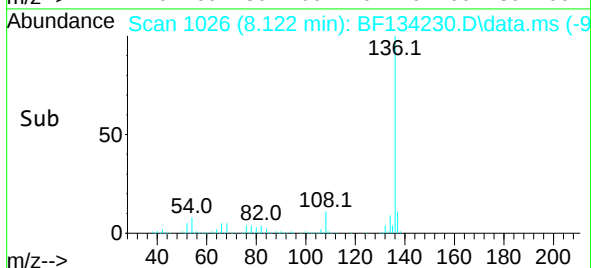
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023

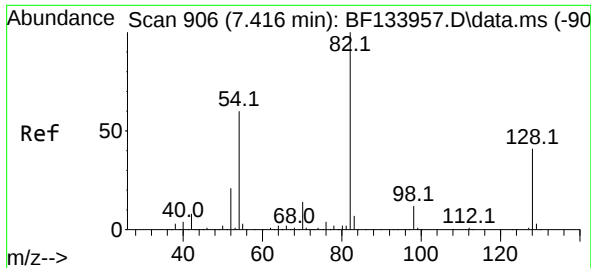


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40



Tgt Ion:136 Resp: 303485
Ion Ratio Lower Upper
136 100
137 11.5 8.6 12.8
54 8.4 6.5 9.7
68 5.0 4.2 6.2





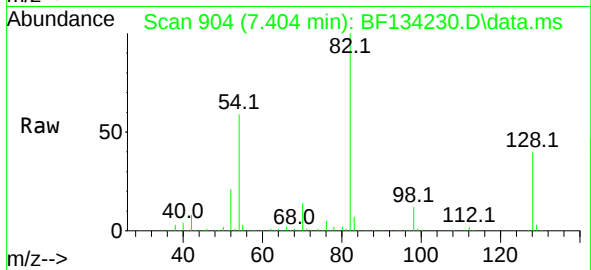
#23
Nitrobenzene-d5
Concen: 75.473 ng
RT: 7.404 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

WC-1-COMP

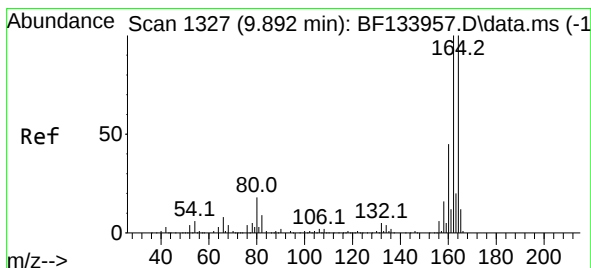
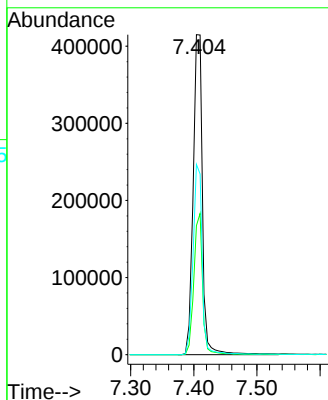
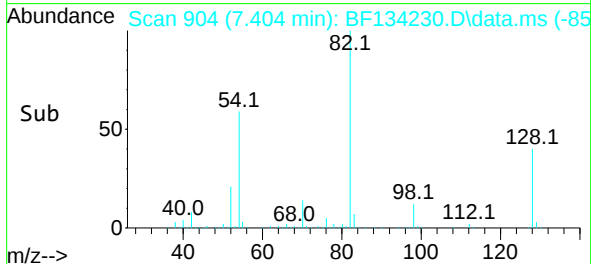


Tgt Ion: 82 Resp: 424909
Ion Ratio Lower Upper
82 100
128 40.3 32.5 48.7
54 59.4 48.2 72.2

Manual Integrations

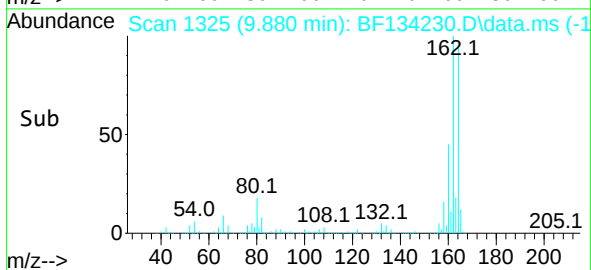
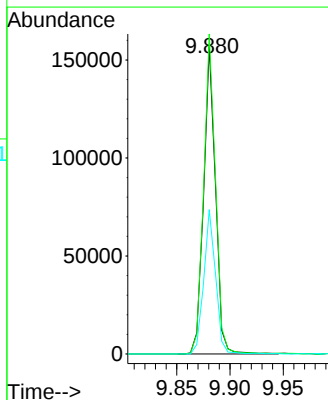
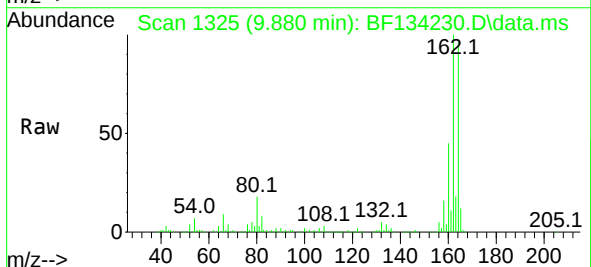
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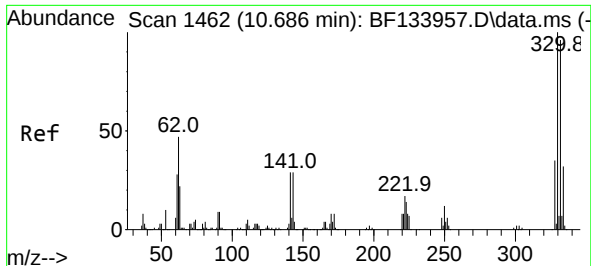
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.880 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:164 Resp: 122392
Ion Ratio Lower Upper
164 100
162 104.0 80.0 120.0
160 46.9 35.9 53.9





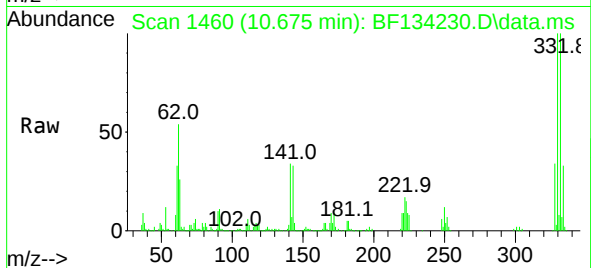
#42
2,4,6-Tribromophenol
Concen: 94.002 ng
RT: 10.675 min Scan# 1462
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

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WC-1-COMP



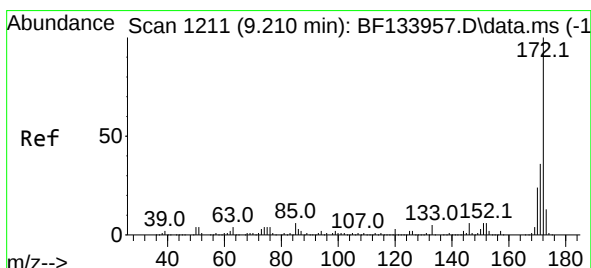
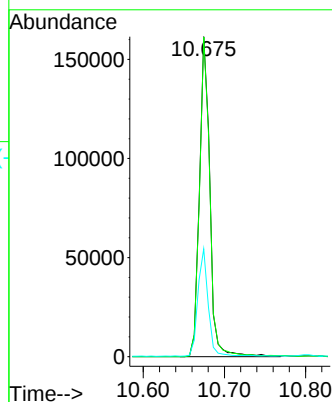
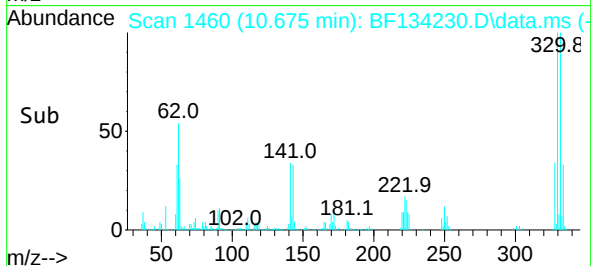
Tgt Ion:330 Resp: 14425
Ion Ratio Lower Upper
330 100
332 98.8 77.0 115.6
141 33.3 26.3 39.5

Manual Integrations

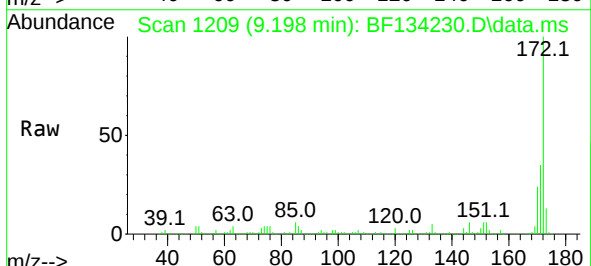
APPROVED

Reviewed By :Yogesh Patel 07/12/2023

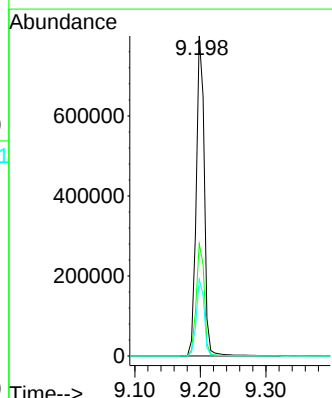
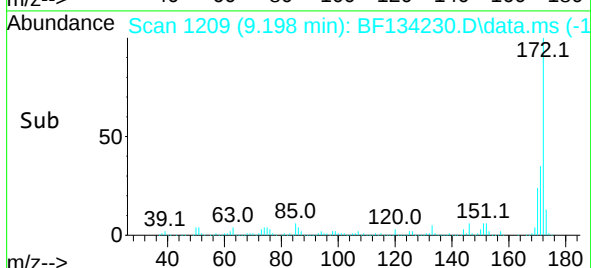
Supervised By :mohammad ahmed 07/12/2023

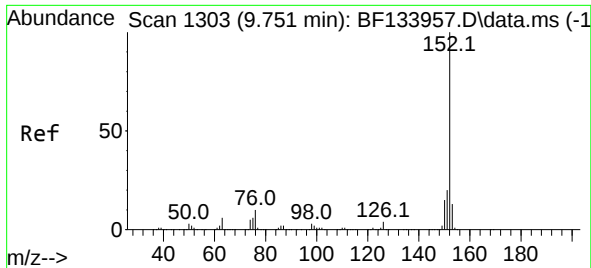


#45
2-Fluorobiphenyl
Concen: 81.299 ng
RT: 9.198 min Scan# 1209
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40



Tgt Ion:172 Resp: 684397
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 24.0 19.4 29.0





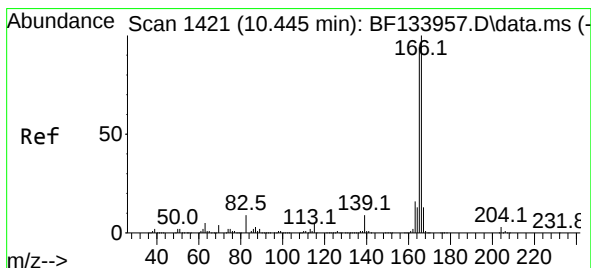
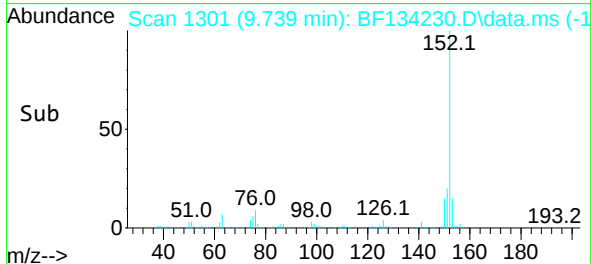
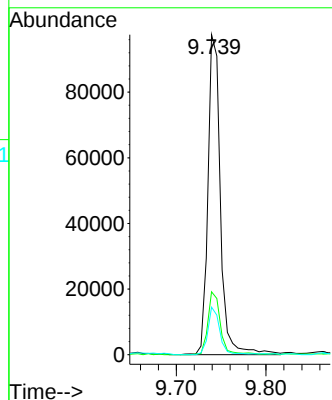
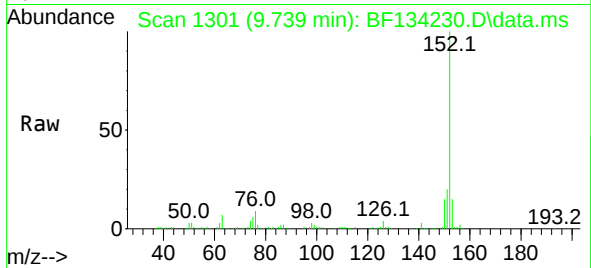
#49
Acenaphthylene
Concen: 7.712 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Instrument :
BNA_F
ClientSampleId :
WC-1-COMP

Tgt Ion:152 Resp: 94629
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.2
153 14.8 10.8 16.2

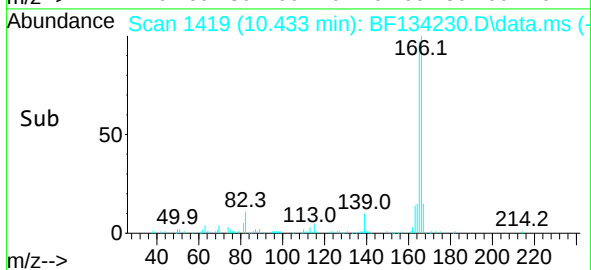
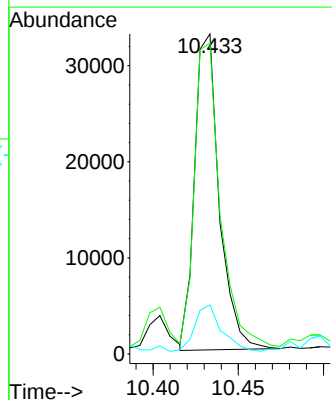
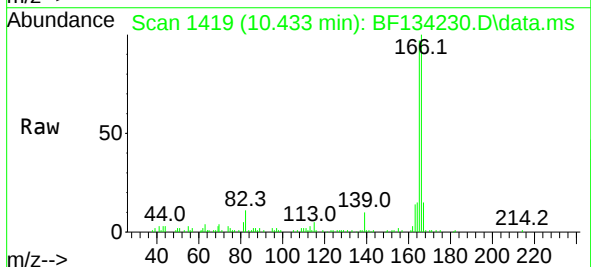
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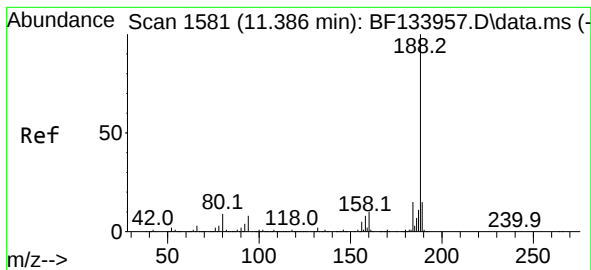
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#58
Fluorene
Concen: 3.830 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:166 Resp: 33154
Ion Ratio Lower Upper
166 100
165 97.2 75.0 112.4
167 15.3 10.6 15.8





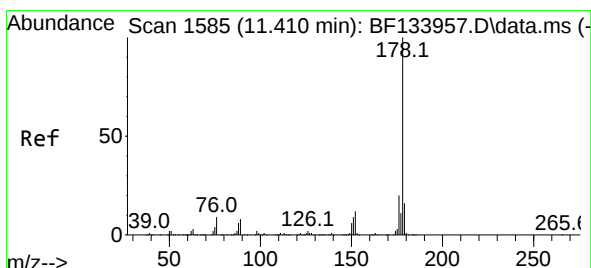
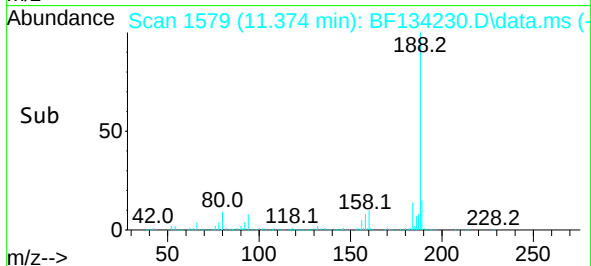
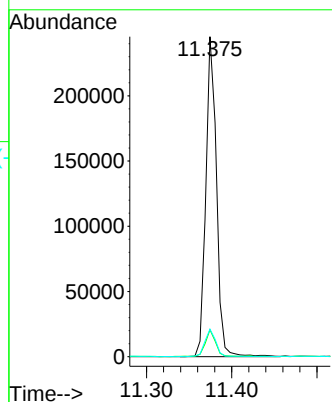
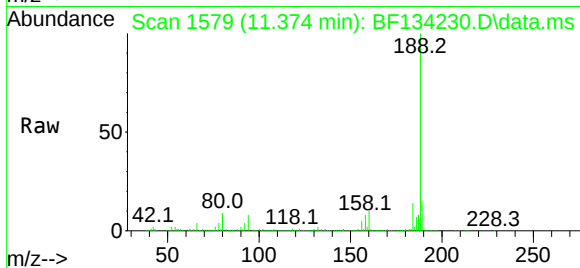
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.374 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Instrument :
BNA_F
ClientSampleId :
WC-1-COMP

Tgt Ion:188 Resp: 213160
Ion Ratio Lower Upper
188 100
94 8.4 6.4 9.6
80 8.6 7.3 10.9

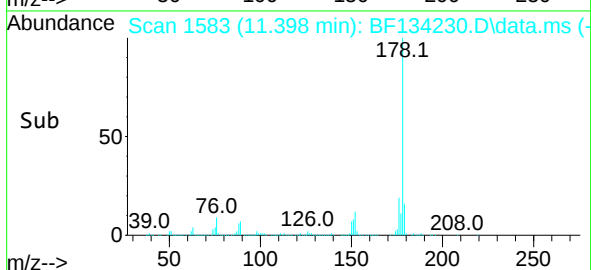
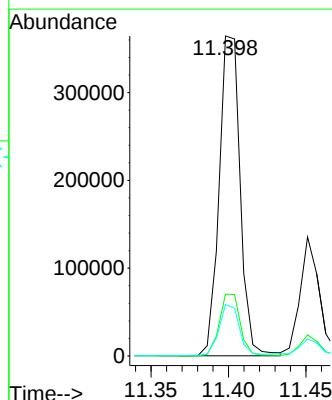
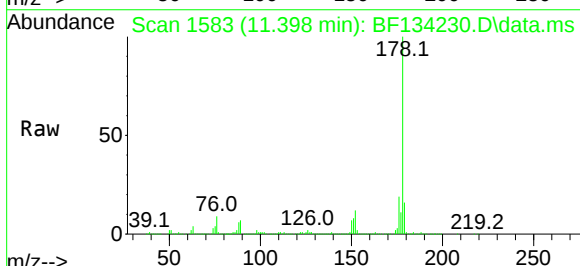
Manual Integrations
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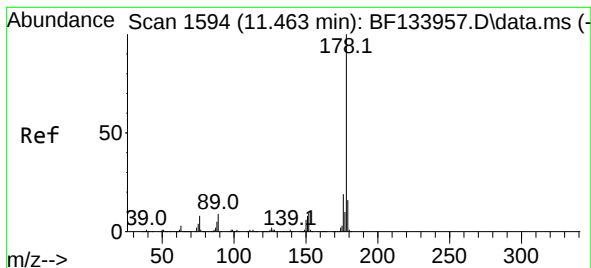
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#71
Phenanthrene
Concen: 32.058 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:178 Resp: 344018
Ion Ratio Lower Upper
178 100
176 19.3 16.0 24.0
179 16.0 12.4 18.6





#72

Anthracene

Concen: 9.818 ng

RT: 11.451 min Scan# 1594

Delta R.T. -0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

WC-1-COMP

Tgt Ion:178 Resp: 109589

Ion Ratio Lower Upper

178 100

176 17.8 15.3 22.9

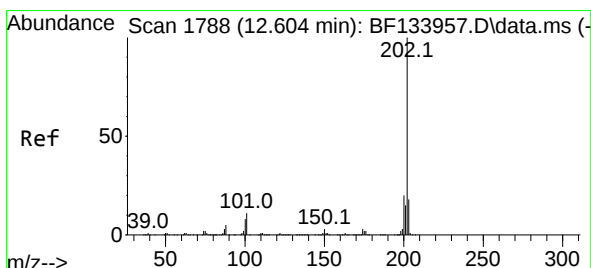
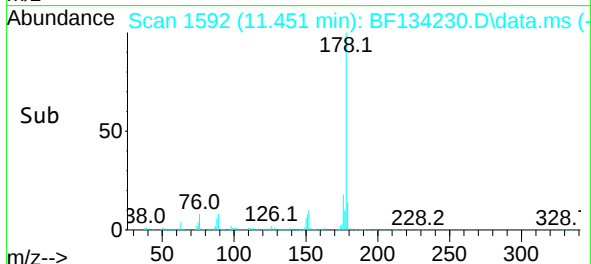
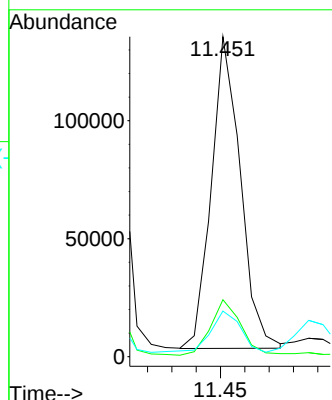
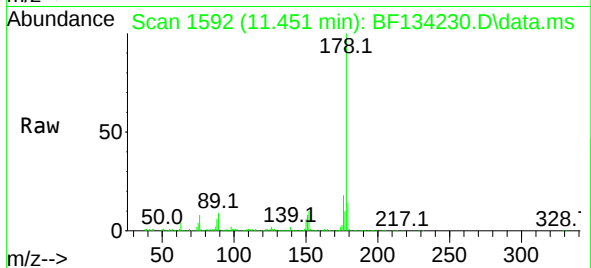
179 14.3 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#75

Fluoranthene

Concen: 68.358 ng

RT: 12.604 min Scan# 1788

Delta R.T. 0.000 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

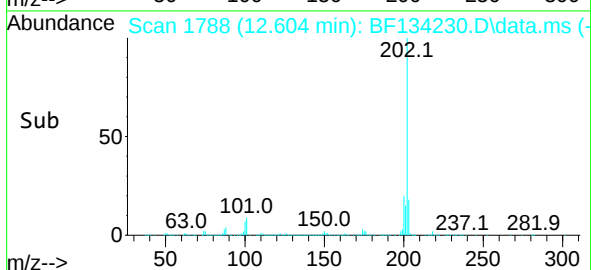
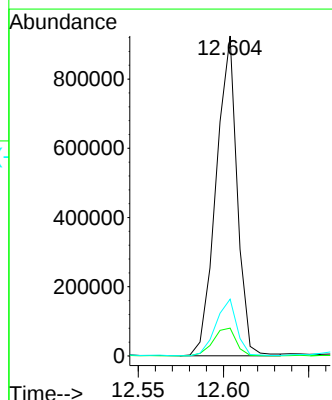
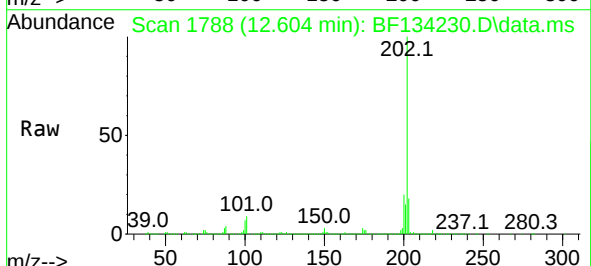
Tgt Ion:202 Resp: 793049

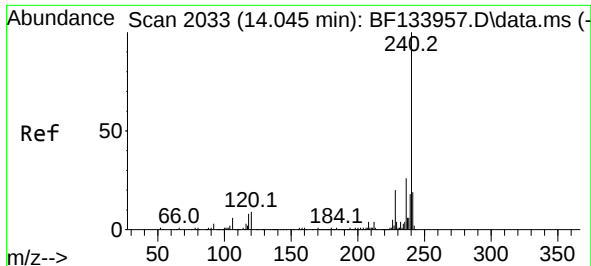
Ion Ratio Lower Upper

202 100

101 8.7 0.0 31.0

203 17.8 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

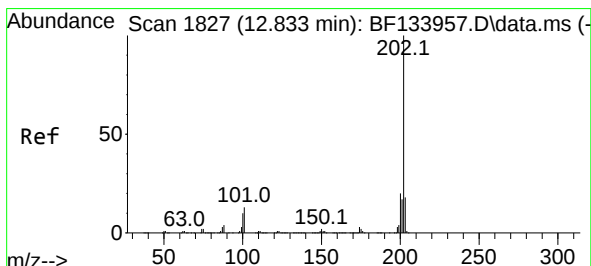
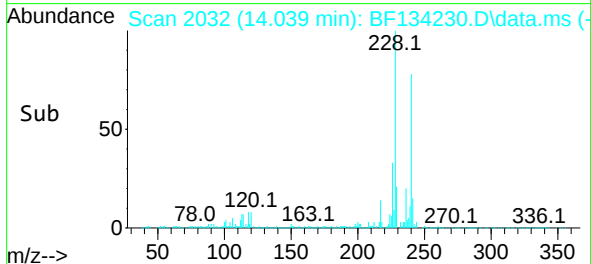
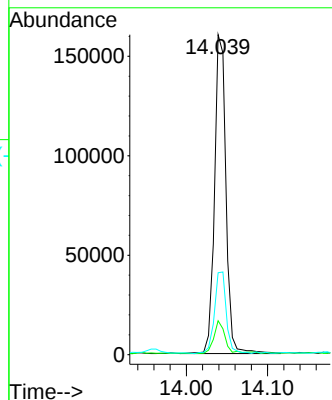
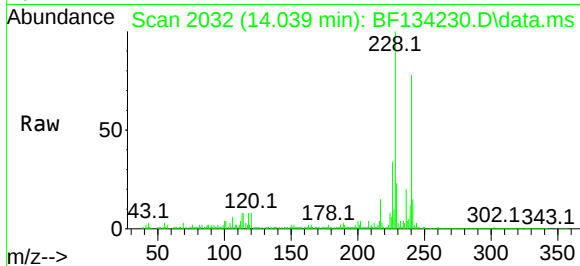
WC-1-COMP

Tgt Ion:240 Resp: 15666
Ion Ratio Lower Upper
240 100
120 10.6 7.4 11.0
236 25.6 21.0 31.6

Manual Integrations

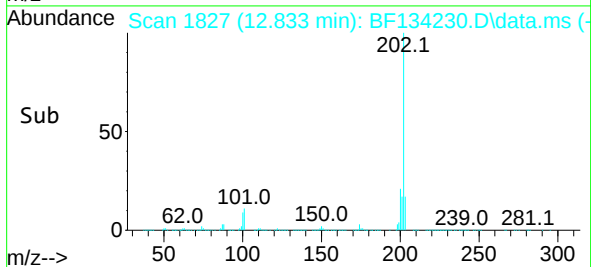
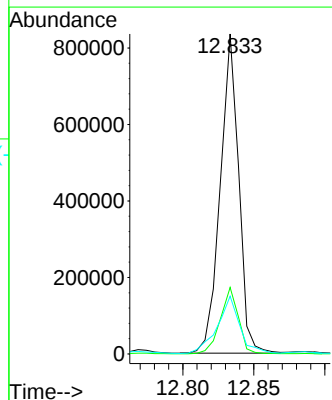
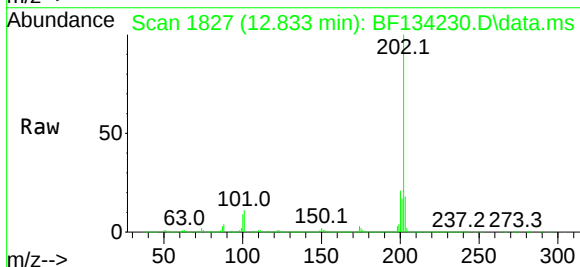
APPROVED

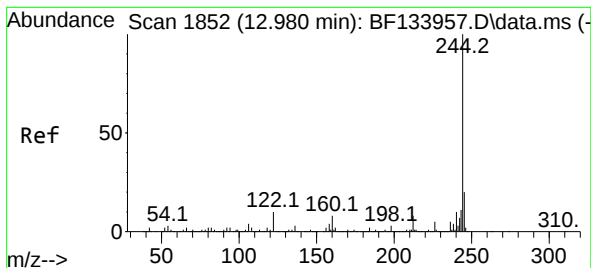
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#78
Pyrene
Concen: 51.771 ng
RT: 12.833 min Scan# 1827
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:202 Resp: 754801
Ion Ratio Lower Upper
202 100
200 20.8 16.1 24.1
203 18.1 14.3 21.5





#79

Terphenyl-d14

Concen: 63.082 ng

RT: 12.974 min Scan# 1852

Delta R.T. 0.000 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

WC-1-COMP

Tgt Ion:244 Resp: 61405

Ion Ratio Lower Upper

244 100

212 7.3 6.0 9.0

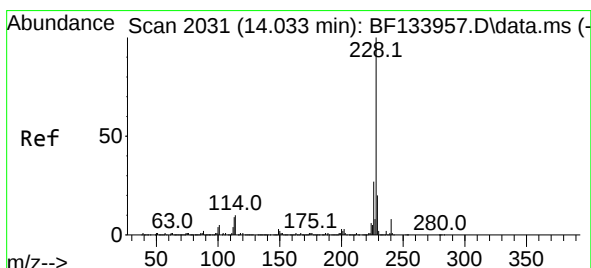
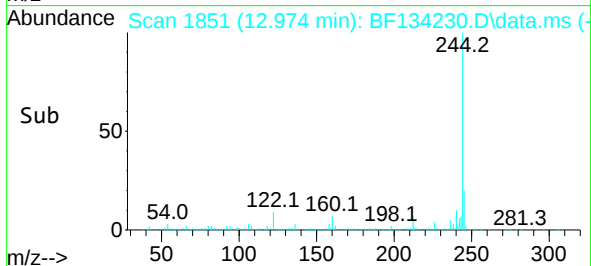
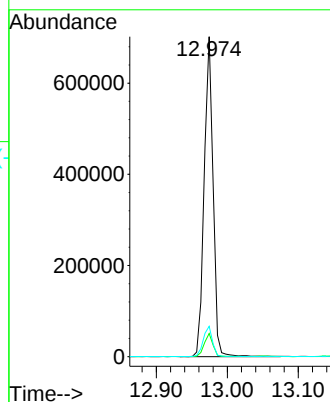
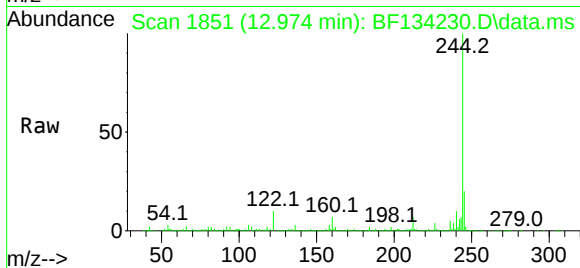
122 9.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#81

Benzo(a)anthracene

Concen: 40.020 ng

RT: 14.033 min Scan# 2031

Delta R.T. 0.000 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

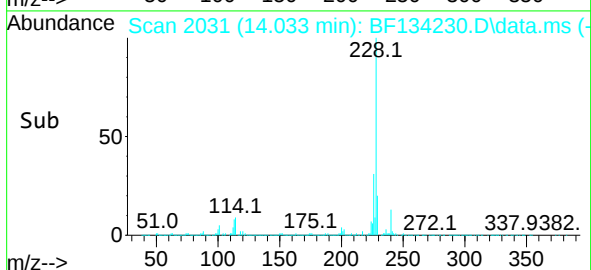
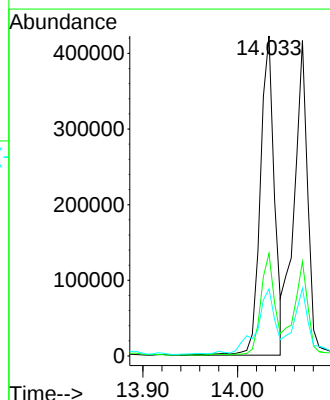
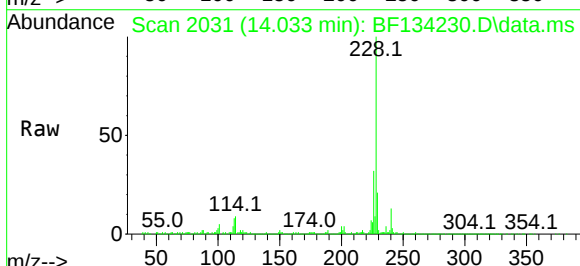
Tgt Ion:228 Resp: 434812

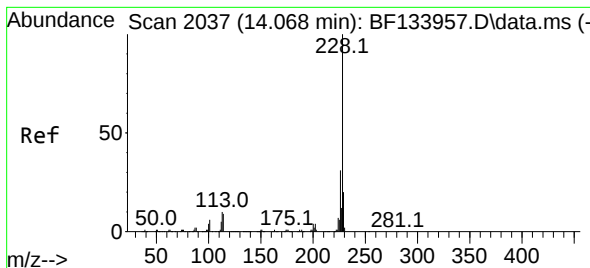
Ion Ratio Lower Upper

228 100

226 32.0 22.0 33.0

229 21.0 16.3 24.5





#83

Chrysene

Concen: 39.391 ng

RT: 14.068 min Scan# 2037

Delta R.T. 0.000 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNA_F

ClientSampleId :

WC-1-COMP

Tgt Ion:228 Resp: 414529

Ion Ratio Lower Upper

228 100

226 29.9 24.4 36.6

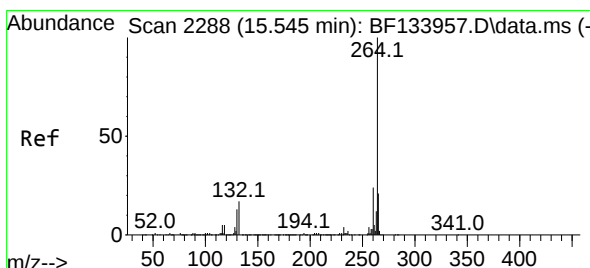
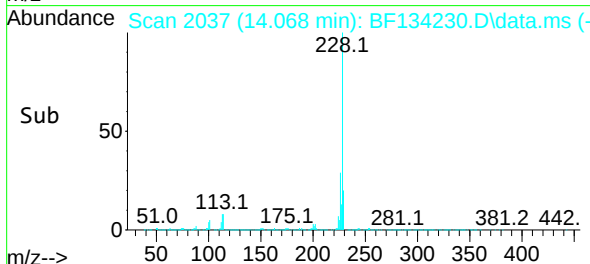
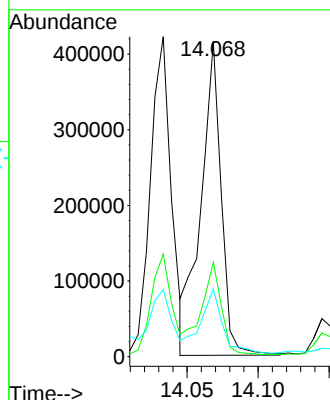
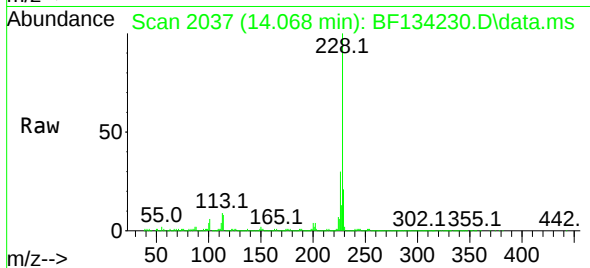
229 21.5 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 2289

Delta R.T. 0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

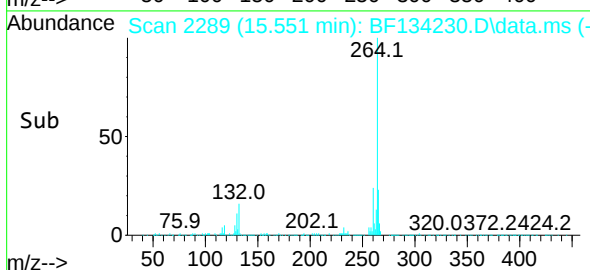
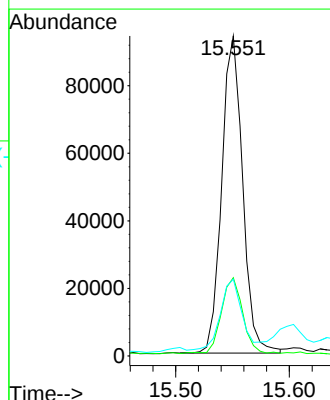
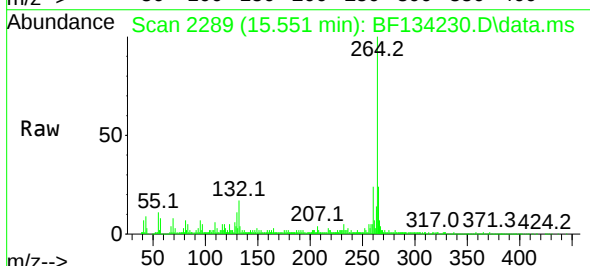
Tgt Ion:264 Resp: 120334

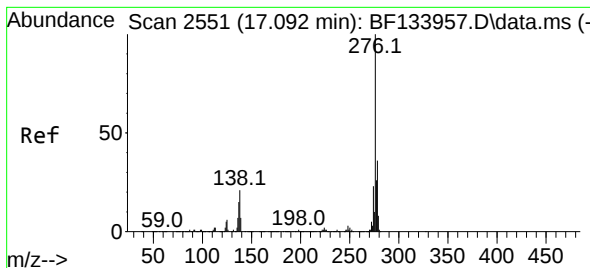
Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

265 24.0 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 20.997 ng

RT: 17.098 min Scan# 2114

Delta R.T. 0.000 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

Instrument :

BNF

ClientSampleId :

WC-1-COMP

Tgt Ion:276 Resp: 17532

Ion Ratio Lower Upper

276 100

138 18.1 18.7 28.1

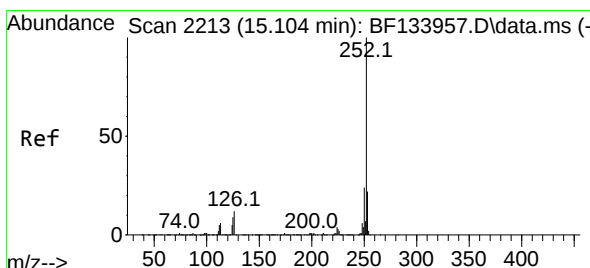
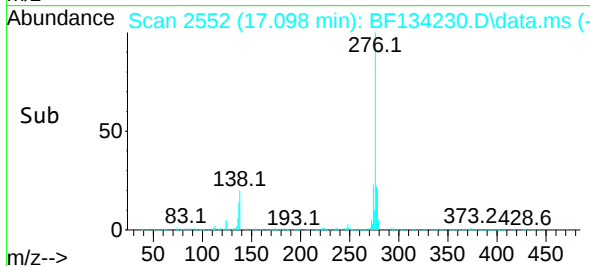
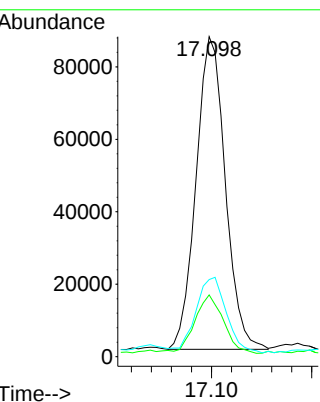
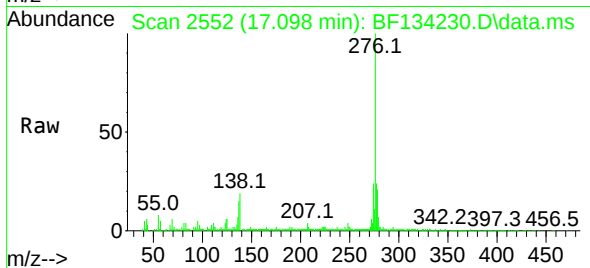
277 25.1 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/12/2023

Supervised By :mohammad ahmed 07/12/2023



#88

Benzo(b)fluoranthene

Concen: 66.889 ng m

RT: 15.110 min Scan# 2214

Delta R.T. 0.006 min

Lab File: BF134230.D

Acq: 12 Jul 2023 00:40

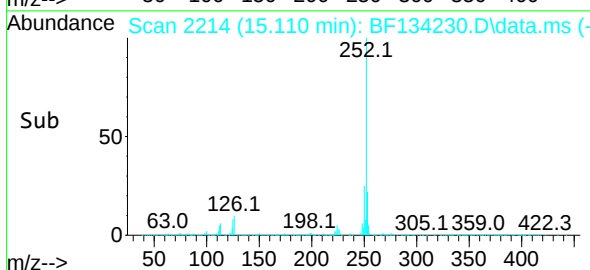
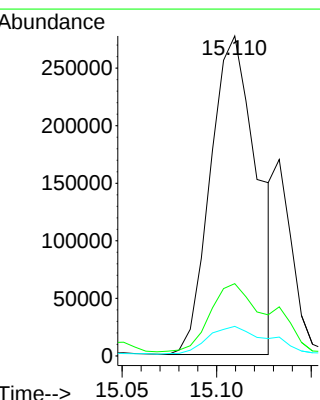
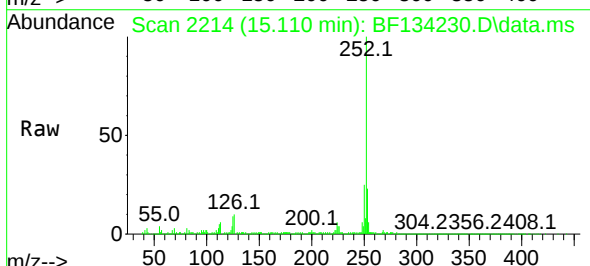
Tgt Ion:252 Resp: 473290

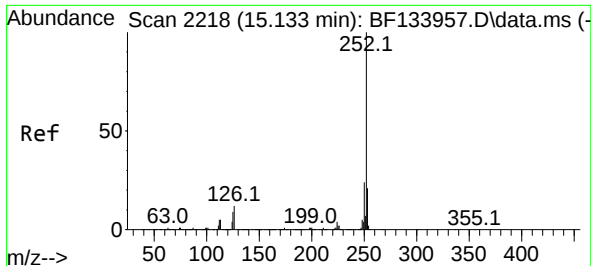
Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

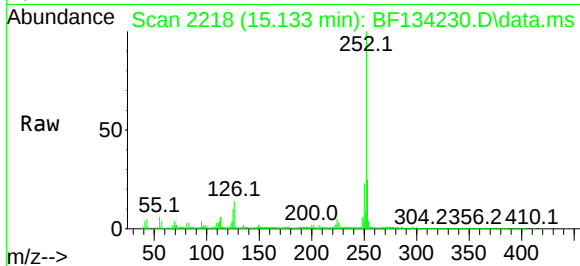
125 9.2 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 15.523 ng m
RT: 15.133 min Scan# 2218
Delta R.T. 0.000 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

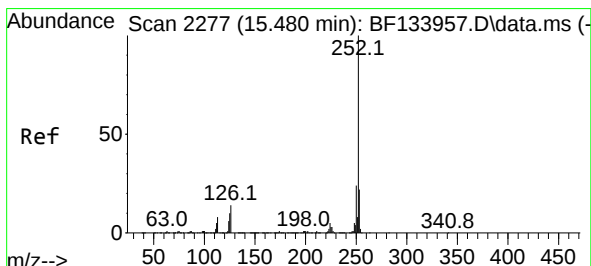
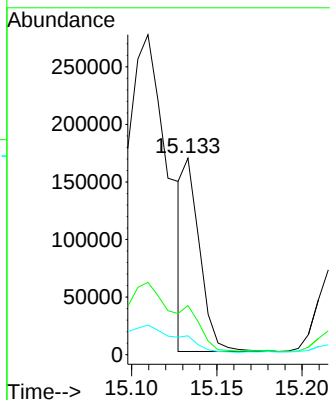
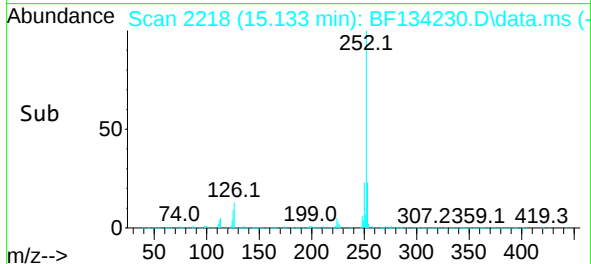
Instrument :
BNA_F
ClientSampleId :
WC-1-COMP



Tgt Ion:252 Resp: 111834
Ion Ratio Lower Upper
252 100
253 25.0 16.9 25.3
125 9.6 7.4 11.2

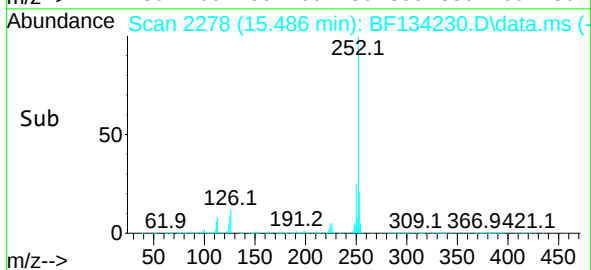
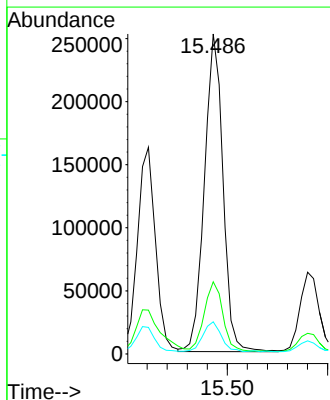
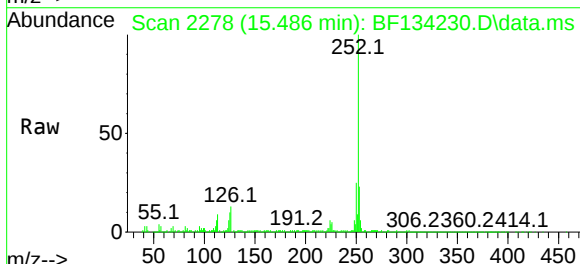
Manual Integrations
APPROVED

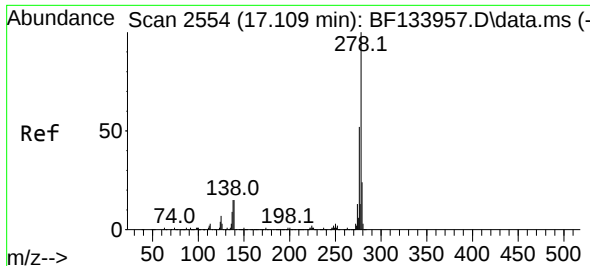
Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#90
Benzo(a)pyrene
Concen: 47.415 ng
RT: 15.486 min Scan# 2278
Delta R.T. 0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:252 Resp: 324422
Ion Ratio Lower Upper
252 100
253 22.5 17.4 26.0
125 10.0 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 6.687 ng
RT: 17.109 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Instrument :

BNF_F

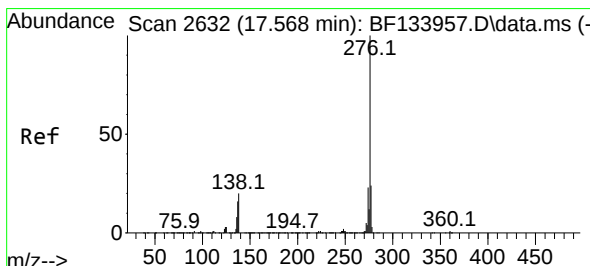
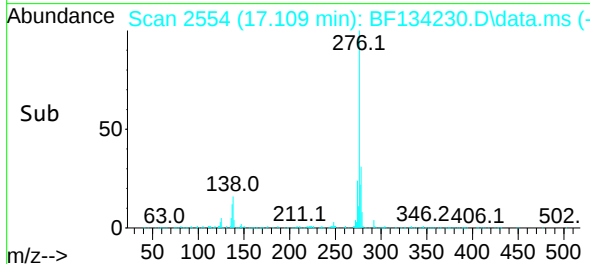
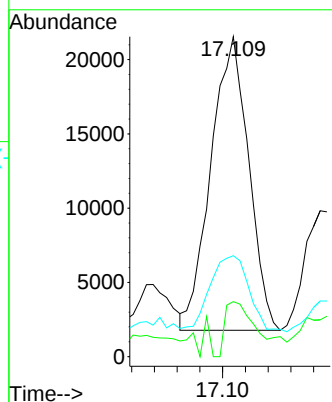
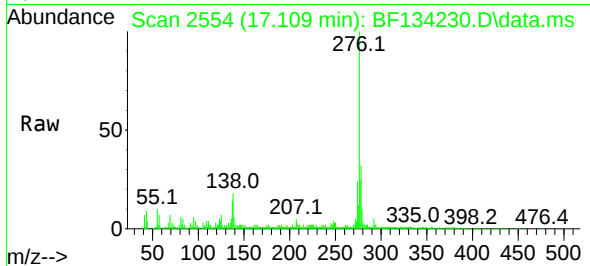
ClientSampleId :

WC-1-COMP

Tgt Ion:278 Resp: 45604
Ion Ratio Lower Upper
278 100
139 17.2 12.2 18.4
279 31.5 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/12/2023
Supervised By :mohammad ahmed 07/12/2023



#92
Benzo(g,h,i)perylene
Concen: 24.056 ng
RT: 17.574 min Scan# 2633
Delta R.T. 0.006 min
Lab File: BF134230.D
Acq: 12 Jul 2023 00:40

Tgt Ion:276 Resp: 169190
Ion Ratio Lower Upper
276 100
277 24.1 19.0 28.6
138 18.2 16.2 24.2

