

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
 Data File : BF134464.D
 Acq On : 25 Jul 2023 15:53
 Operator : CG\JU
 Sample : 03708-01 2X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-02-072023

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/26/2023
 Supervised By :mohammad ahmed 07/26/2023

Quant Time: Jul 25 16:33:03 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 25 01:46:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	144458	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	514970	20.000	ng	# 0.00
39) Acenaphthene-d10	9.869	164	117176	20.000	ng	0.00
64) Phenanthrene-d10	11.363	188	182679	20.000	ng	0.00
76) Chrysene-d12	14.027	240	127344	20.000	ng	0.00
86) Perylene-d12	15.533	264	103515	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.463	112	455449	52.090	ng	0.00
7) Phenol-d6	6.469	99	561911	52.454	ng	-0.01
23) Nitrobenzene-d5	7.393	82	338282	33.235	ng	-0.01
42) 2,4,6-Tribromophenol	10.663	330	72918	43.798	ng	0.00
45) 2-Fluorobiphenyl	9.187	172	337870	37.854	ng	0.00
79) Terphenyl-d14	12.957	244	268811	36.849	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.728	152	27088	2.252	ng	100
58) Fluorene	10.416	166	31006	3.514	ng	93
71) Phenanthrene	11.386	178	221143	23.169	ng	98
72) Anthracene	11.439	178	54533	5.536	ng	97
75) Fluoranthene	12.586	202	438541	39.424	ng	99
78) Pyrene	12.816	202	411565	40.647	ng	99
81) Benzo(a)anthracene	14.016	228	226518	25.496	ng	98
83) Chrysene	14.051	228	195249	22.976	ng	97
87) Indeno(1,2,3-cd)pyrene	17.074	276	86144	12.738	ng	96
88) Benzo(b)fluoranthene	15.092	252	223838m	34.565	ng	
89) Benzo(k)fluoranthene	15.116	252	81836m	12.850	ng	
90) Benzo(a)pyrene	15.468	252	155235	25.934	ng	# 96
91) Dibenzo(a,h)anthracene	17.080	278	22791	4.173	ng	# 86
92) Benzo(g,h,i)perylene	17.551	276	78578	14.012	ng	100

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

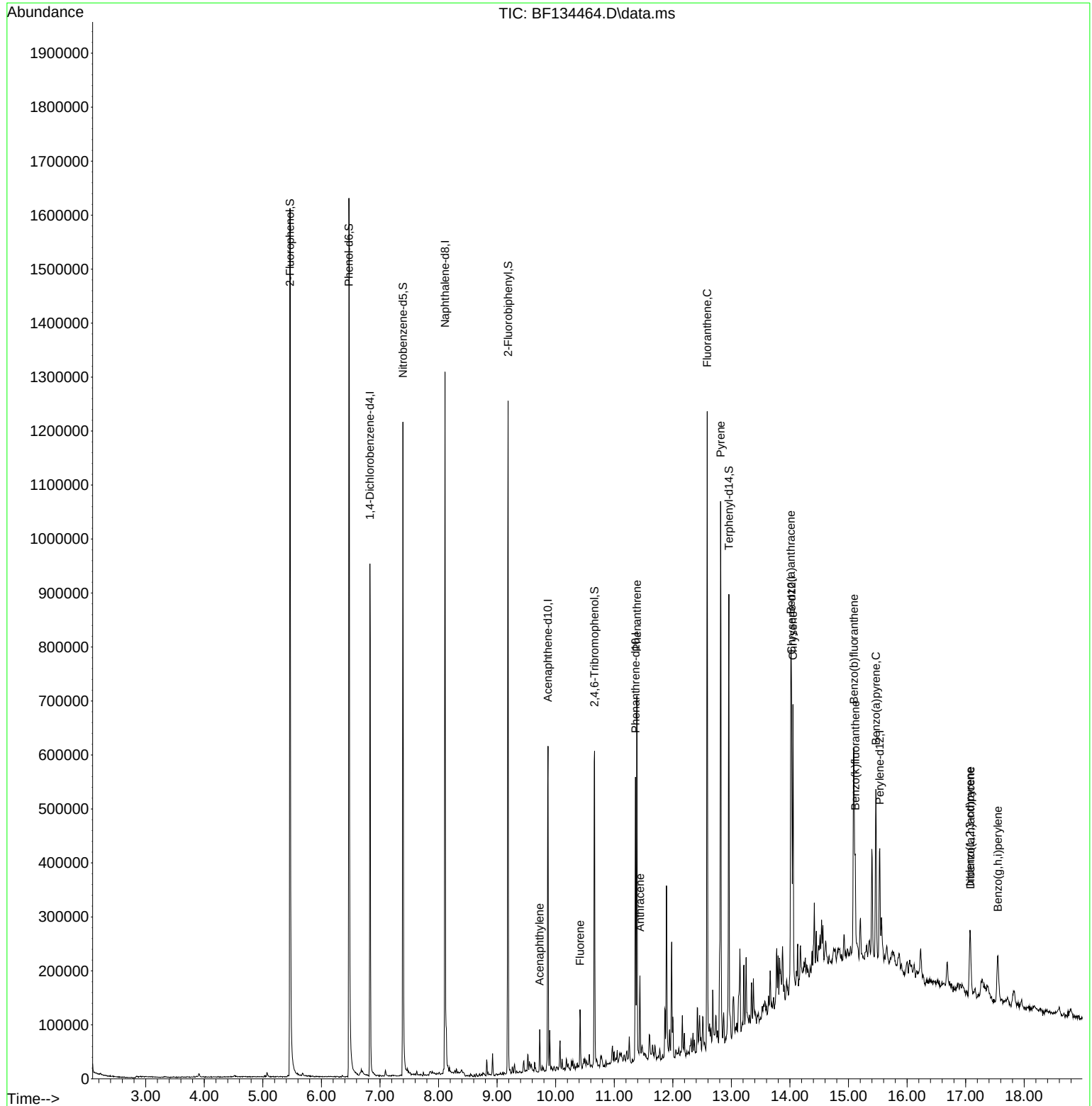
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072523\
Data File : BF134464.D
Acq On : 25 Jul 2023 15:53
Operator : CG\JU
Sample : 03708-01 2X
Misc :
ALS Vial : 7 Sample Multiplier: 1

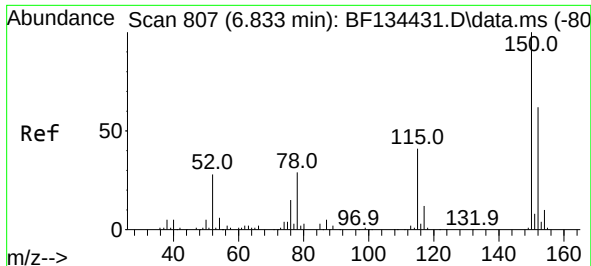
Instrument :
BNA_F
ClientSampleId :
PL-02-072023

Quant Time: Jul 25 16:33:03 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072423.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 25 01:46:04 2023
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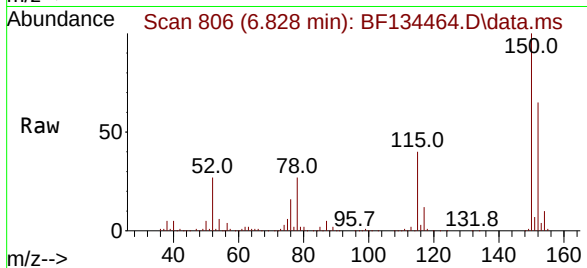
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.828 min Scan# 807
 Delta R.T. -0.005 min
 Lab File: BF134464.D
 Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

PL-02-072023



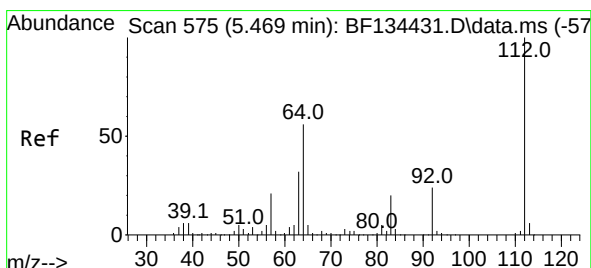
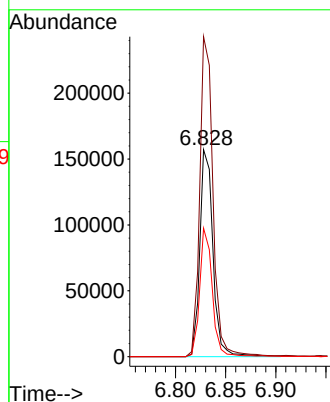
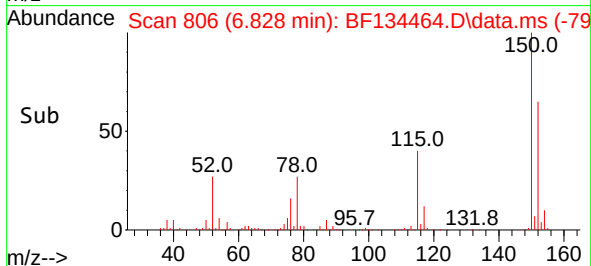
Tgt Ion:152 Resp: 144458
 Ion Ratio Lower Upper
 152 100
 150 154.5 128.3 192.5
 115 62.1 52.4 78.6

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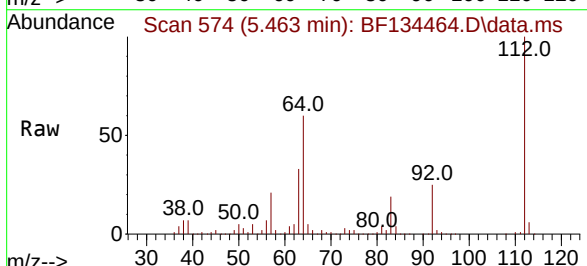
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Reviewed By :Yogesh Patel 07/26/2023

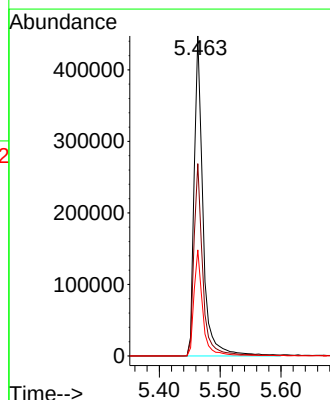
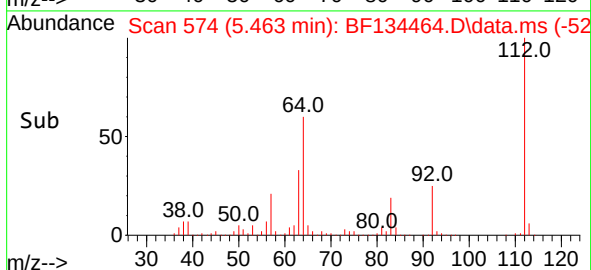
Supervised By :mohammad ahmed 07/26/2023

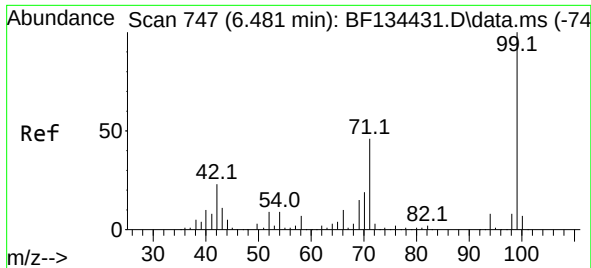


#5
 2-Fluorophenol
 Concen: 52.090 ng
 RT: 5.463 min Scan# 574
 Delta R.T. -0.006 min
 Lab File: BF134464.D
 Acq: 25 Jul 2023 15:53



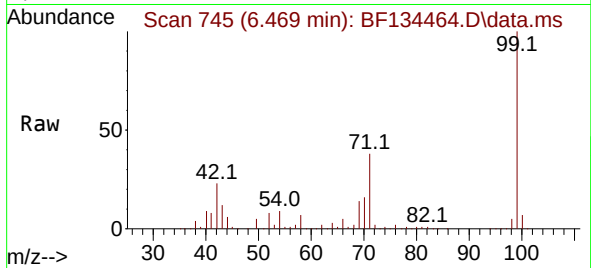
Tgt Ion:112 Resp: 455449
 Ion Ratio Lower Upper
 112 100
 64 60.1 44.9 67.3
 63 33.1 25.4 38.0





#7
Phenol-d6
Concen: 52.454 ng
RT: 6.469 min Scan# 74
Delta R.T. -0.011 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

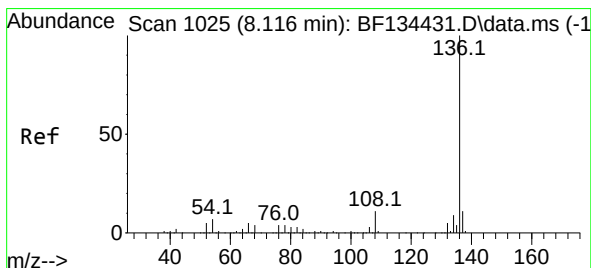
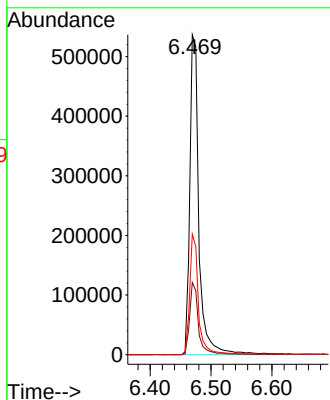
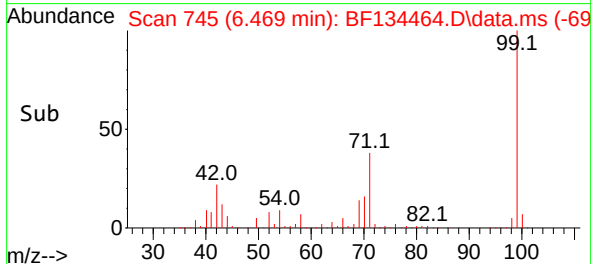
Instrument :
BNA_F
ClientSampleId :
PL-02-072023



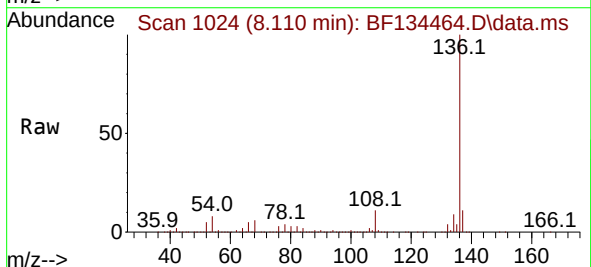
Tgt Ion: 99 Resp: 56191
Ion Ratio Lower Upper
99 100
42 22.5 18.7 28.1
71 37.7 36.4 54.6

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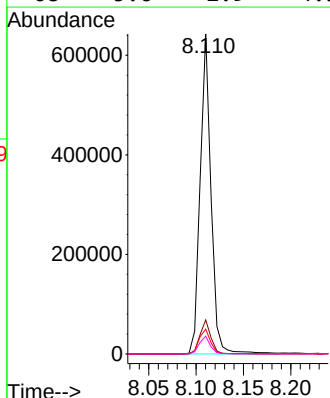
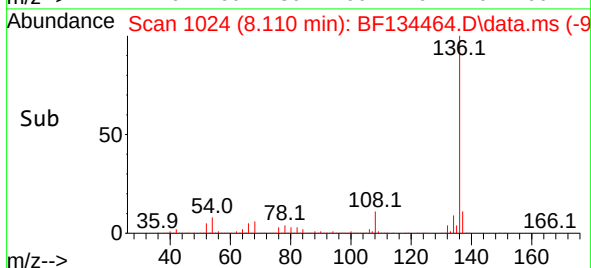
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

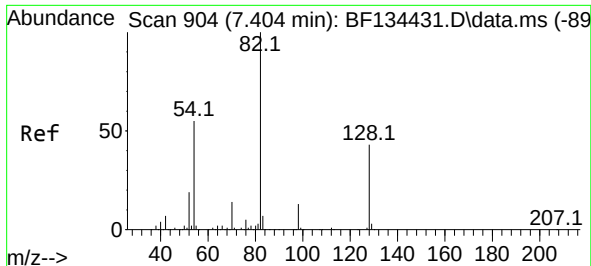


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53



Tgt Ion:136 Resp: 514970
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.7 5.2 7.8
68 5.6 2.9 4.3#





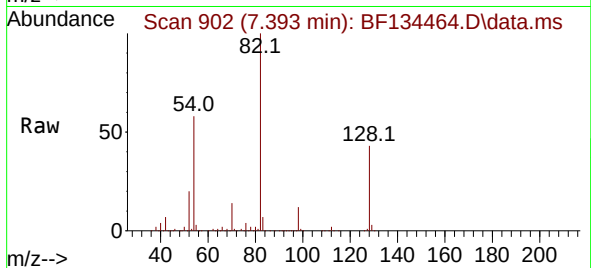
#23
Nitrobenzene-d5
Concen: 33.235 ng
RT: 7.393 min Scan# 904
Delta R.T. -0.011 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

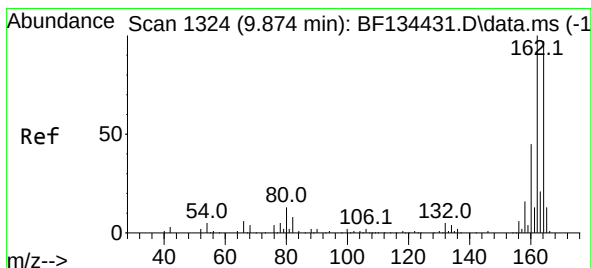
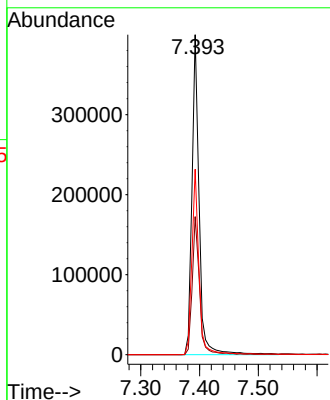
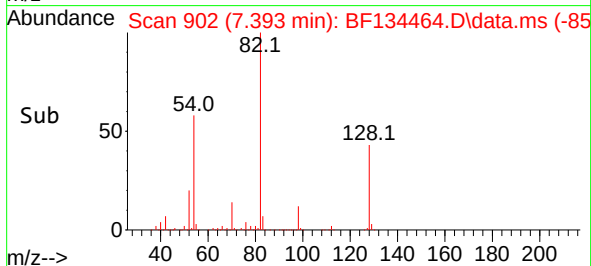
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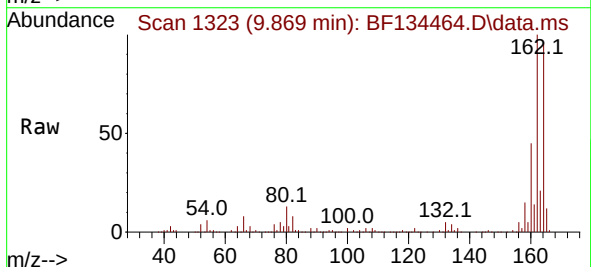
Tgt Ion: 82 Resp: 33828
Ion Ratio Lower Upper
82 100
128 43.1 34.3 51.5
54 57.9 43.8 65.6

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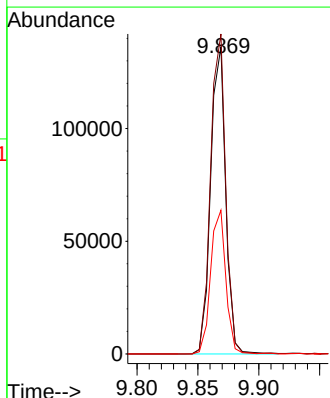
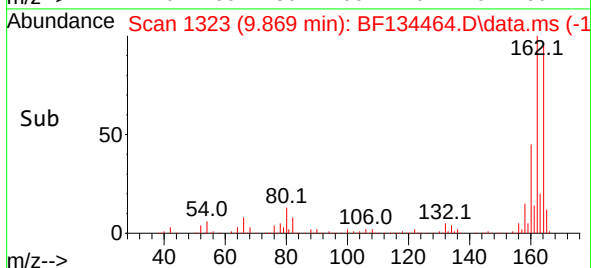
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023

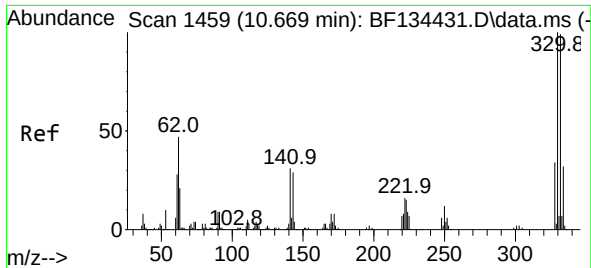


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53



Tgt Ion:164 Resp: 117176
Ion Ratio Lower Upper
164 100
162 104.1 82.6 123.8
160 46.8 37.2 55.8





#42
2,4,6-Tribromophenol
Concen: 43.798 ng
RT: 10.663 min Scan# 1459
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

PL-02-072023

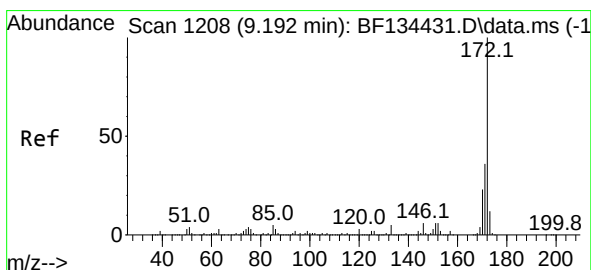
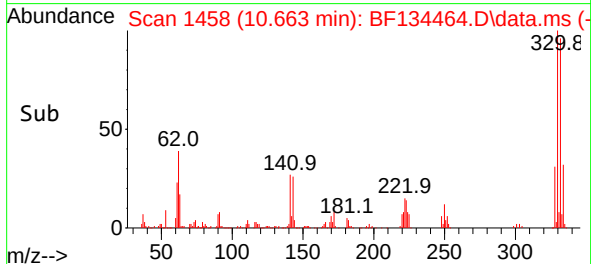
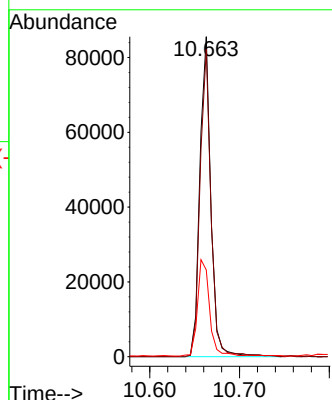
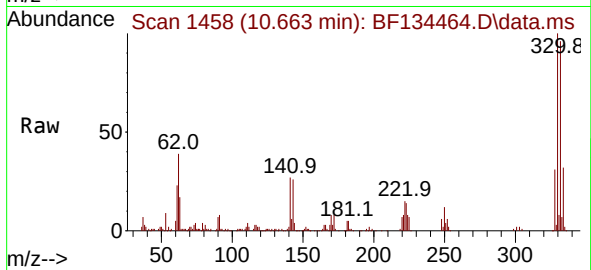
Tgt Ion:330 Resp: 72918
Ion Ratio Lower Upper
330 100
332 95.4 78.8 118.2
141 32.6 25.4 38.2

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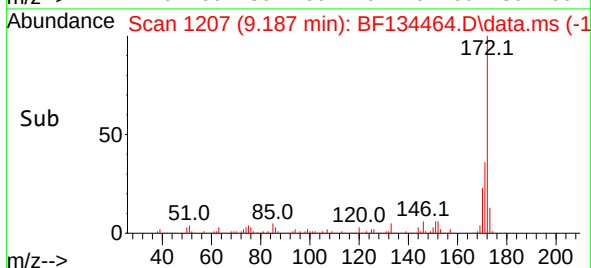
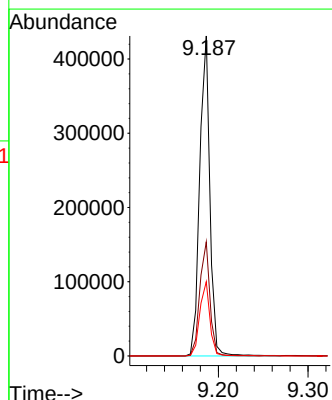
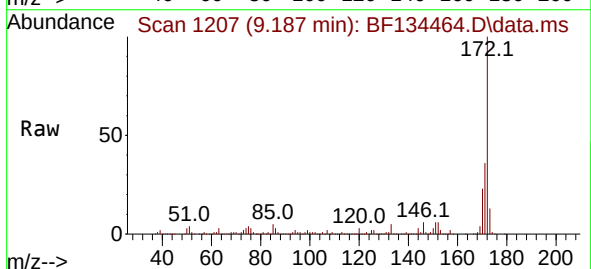
Reviewed By :Yogesh Patel 07/26/2023

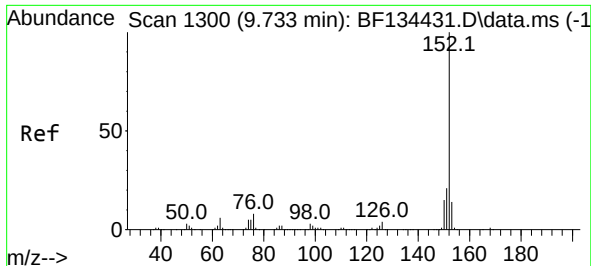
Supervised By :mohammad ahmed 07/26/2023



#45
2-Fluorobiphenyl
Concen: 37.854 ng
RT: 9.187 min Scan# 1207
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Tgt Ion:172 Resp: 337870
Ion Ratio Lower Upper
172 100
171 35.6 28.8 43.2
170 23.2 18.7 28.1





#49
Acenaphthylene
Concen: 2.252 ng
RT: 9.728 min Scan# 1300
Delta R.T. -0.005 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

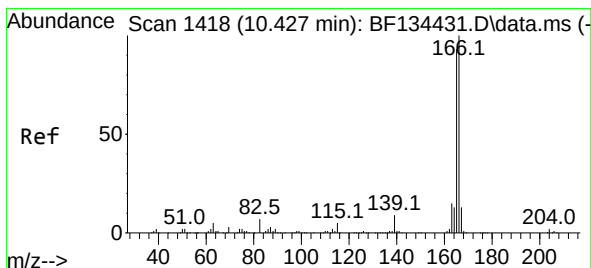
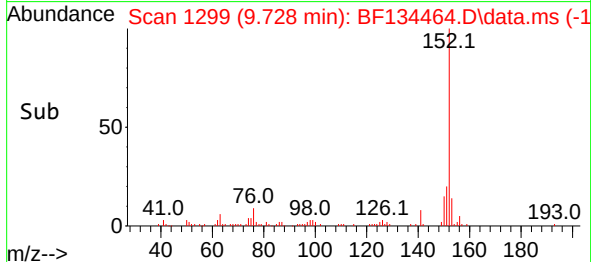
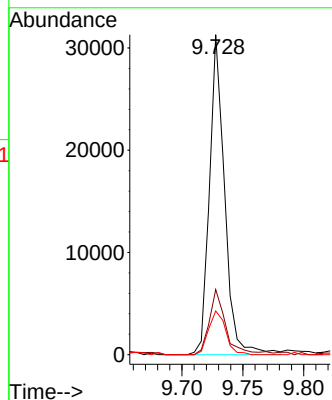
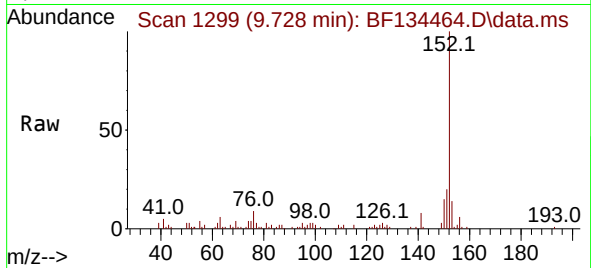
ClientSampleId :

PL-02-072023

Tgt Ion:152 Resp: 27088
Ion Ratio Lower Upper
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151 20.3 16.4 24.6
153 13.6 10.9 16.3

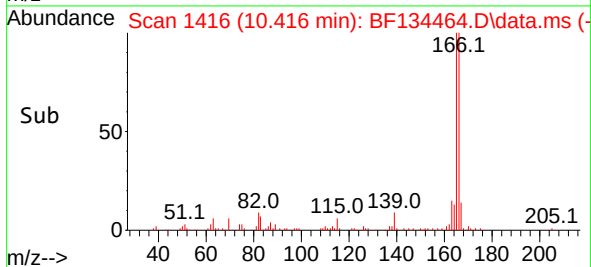
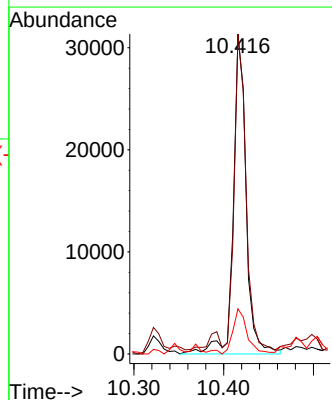
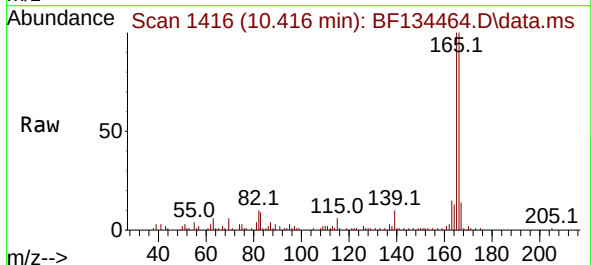
Manual Integrations
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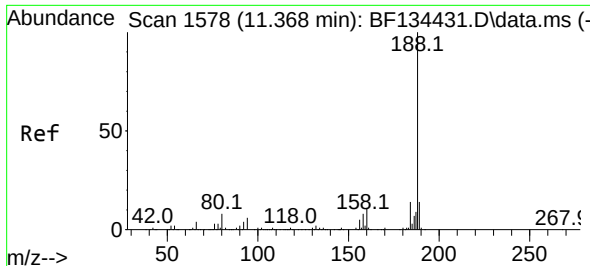
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#58
Fluorene
Concen: 3.514 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Tgt Ion:166 Resp: 31006
Ion Ratio Lower Upper
166 100
165 100.5 74.5 111.7
167 14.2 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.363 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

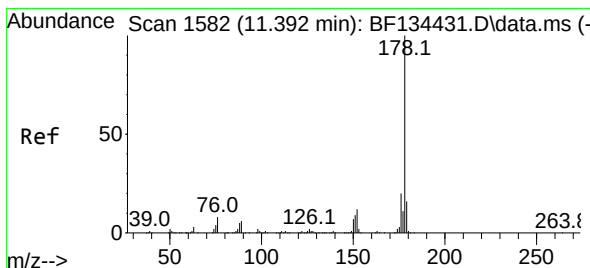
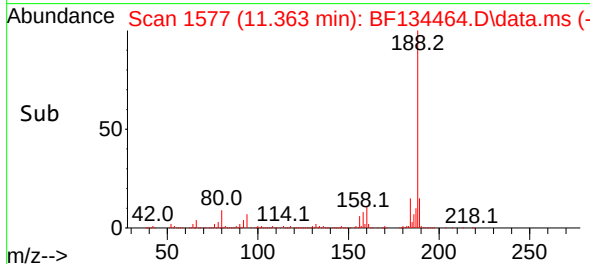
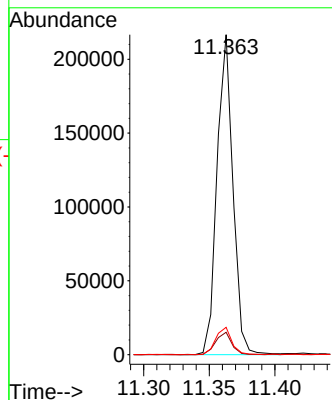
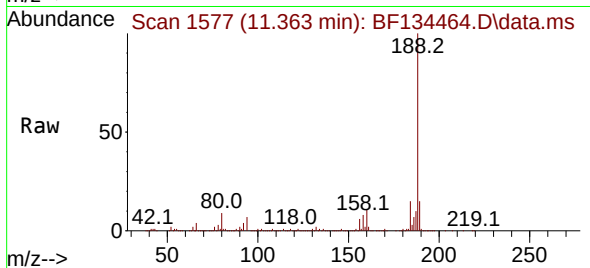
PL-02-072023

Tgt Ion:188 Resp: 182679
Ion Ratio Lower Upper
188 100
94 7.0 5.1 7.7
80 8.5 6.6 9.8

Manual Integrations

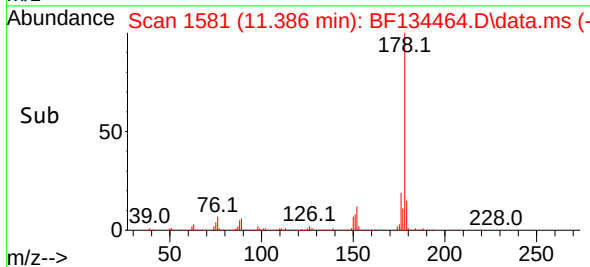
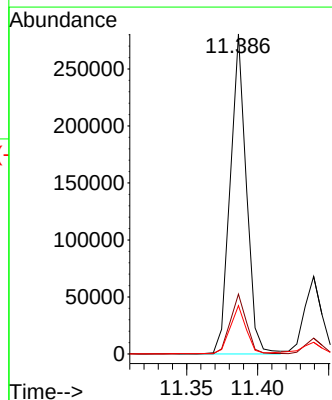
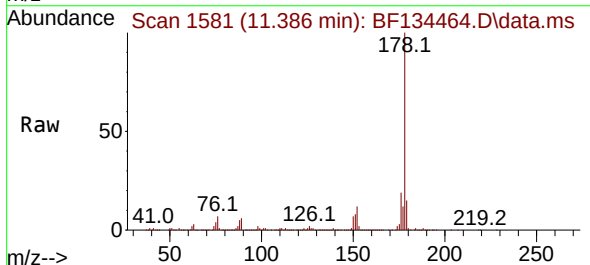
APPROVED

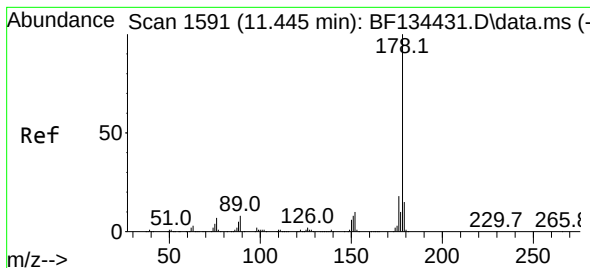
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#71
Phenanthrene
Concen: 23.169 ng
RT: 11.386 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Tgt Ion:178 Resp: 221143
Ion Ratio Lower Upper
178 100
176 18.7 15.8 23.6
179 15.1 12.7 19.1





#72

Anthracene

Concen: 5.536 ng

RT: 11.439 min Scan# 1590

Delta R.T. -0.006 min

Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

PL-02-072023

Tgt Ion:178 Resp: 5453

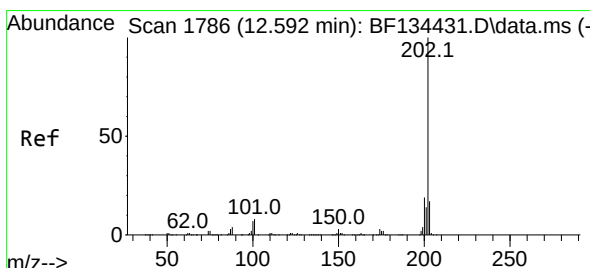
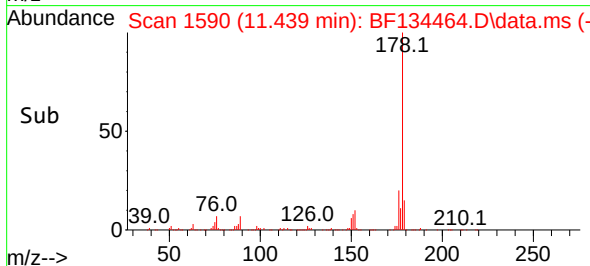
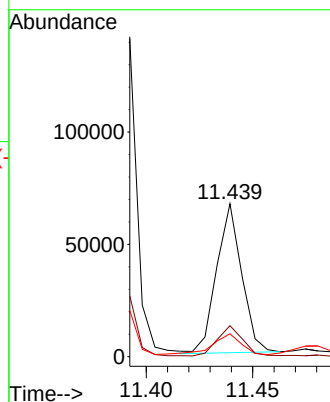
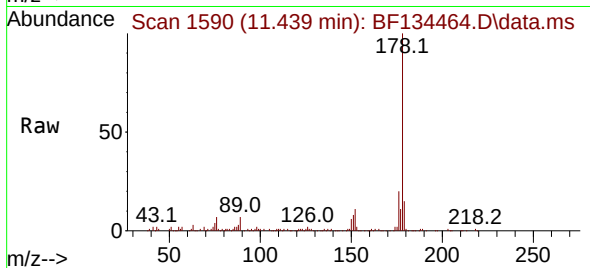
Ion	Ratio	Lower	Upper
178	100		
176	20.4	14.6	21.8
179	15.0	12.3	18.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#75

Fluoranthene

Concen: 39.424 ng

RT: 12.586 min Scan# 1785

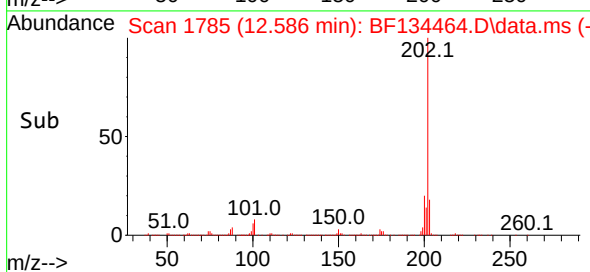
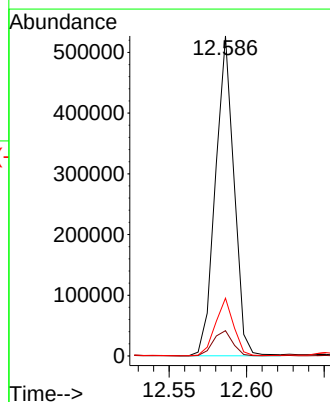
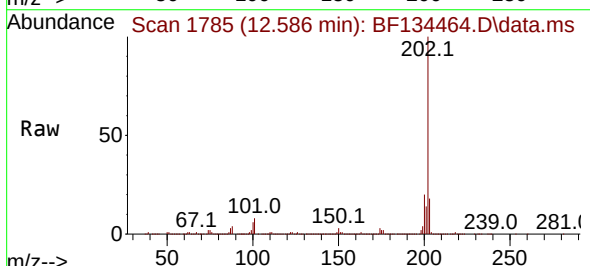
Delta R.T. -0.006 min

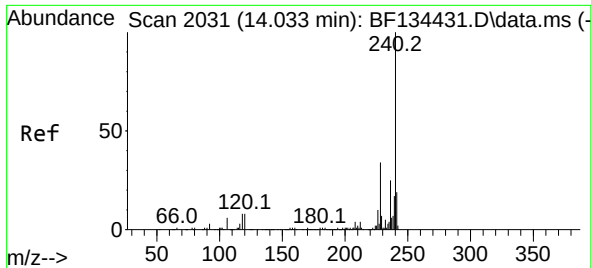
Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Tgt Ion:202 Resp: 438541

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	28.5
203	18.0	0.0	37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

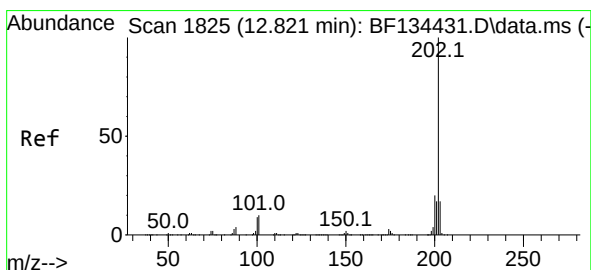
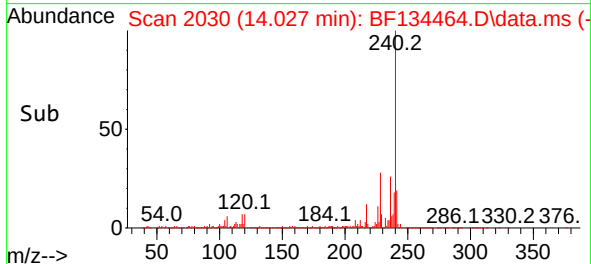
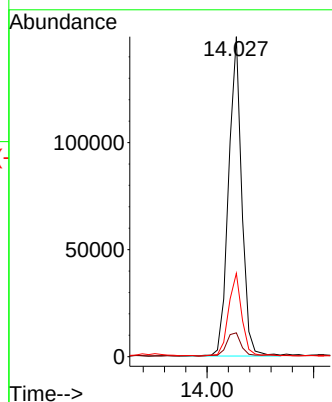
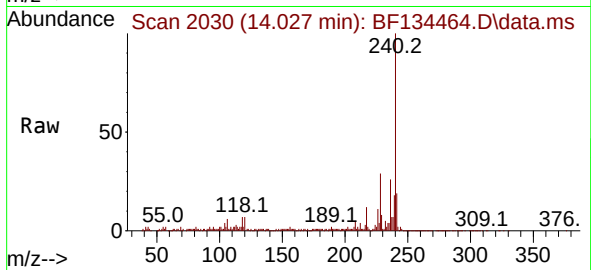
PL-02-072023

Tgt Ion:240 Resp: 127344
Ion Ratio Lower Upper
240 100
120 7.5 6.6 10.0
236 26.1 20.2 30.2

Manual Integrations

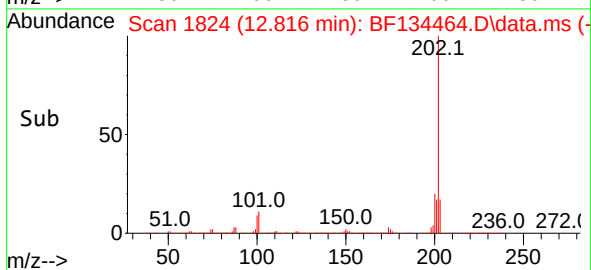
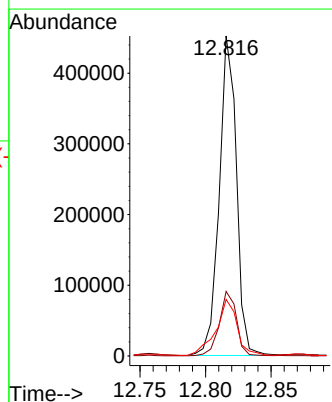
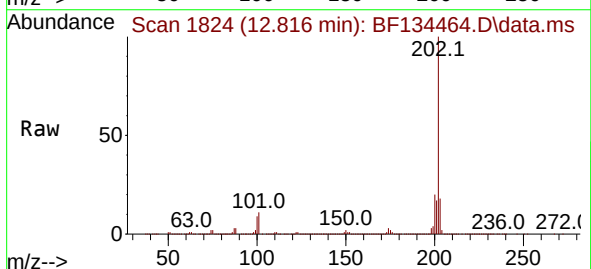
APPROVED

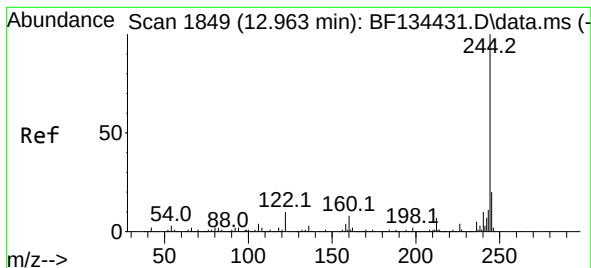
Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#78
Pyrene
Concen: 40.647 ng
RT: 12.816 min Scan# 1824
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Tgt Ion:202 Resp: 411565
Ion Ratio Lower Upper
202 100
200 20.2 15.8 23.8
203 17.7 13.5 20.3





#79

Terphenyl-d14

Concen: 36.849 ng

RT: 12.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

PL-02-072023

Tgt Ion:244 Resp: 26881

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

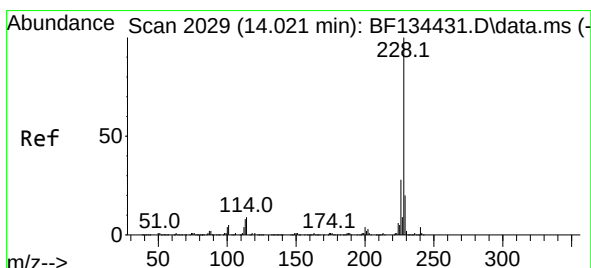
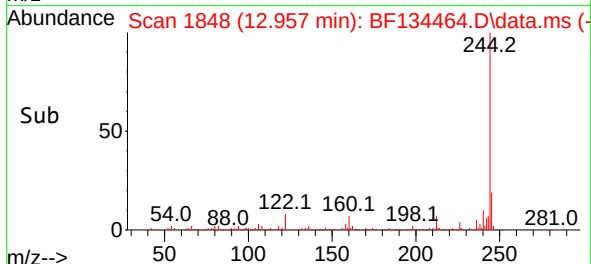
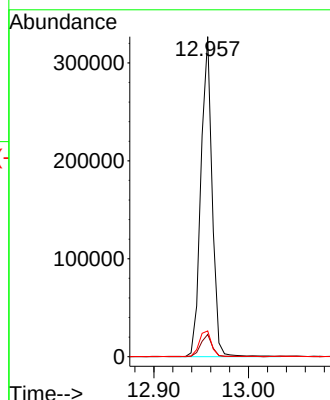
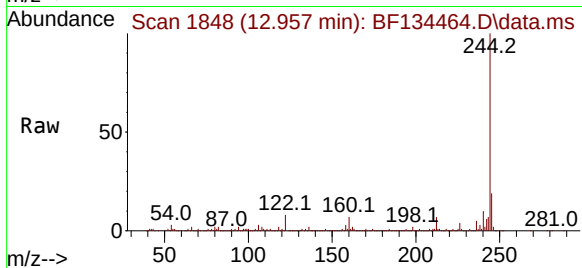
122 8.1 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#81

Benzo(a)anthracene

Concen: 25.496 ng

RT: 14.016 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

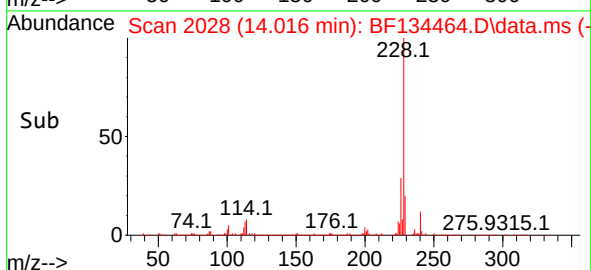
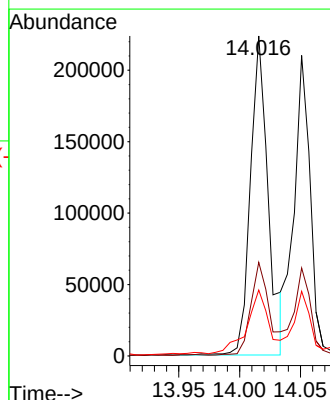
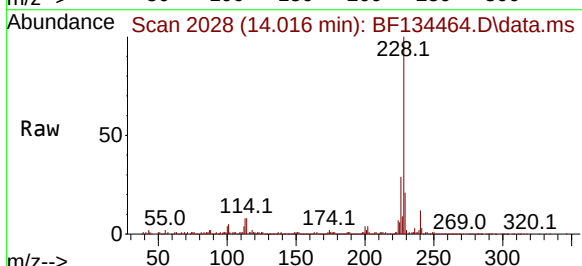
Tgt Ion:228 Resp: 226518

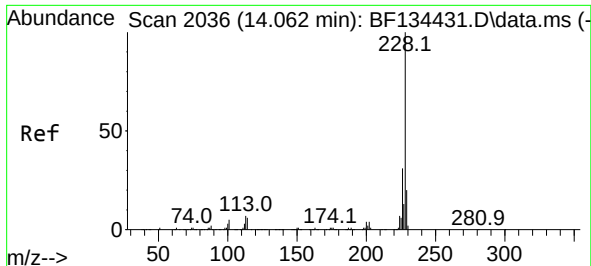
Ion Ratio Lower Upper

228 100

226 29.2 22.3 33.5

229 20.6 15.8 23.6





#83

Chrysene

Concen: 22.976 ng

RT: 14.051 min Scan# 2034

Delta R.T. -0.011 min

Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

PL-02-072023

Tgt Ion:228 Resp: 195249

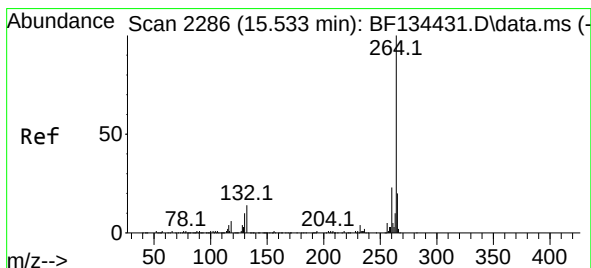
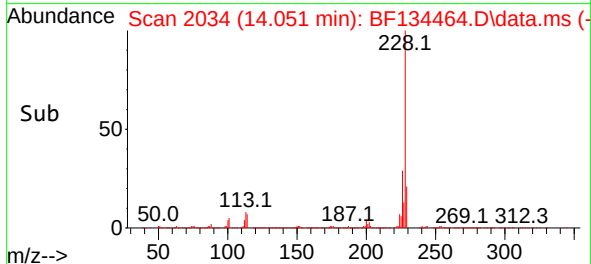
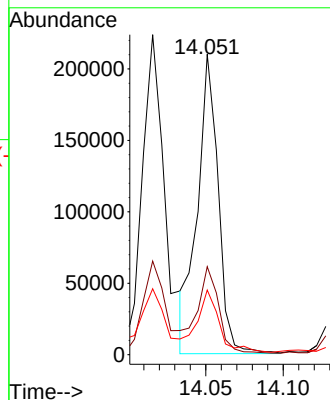
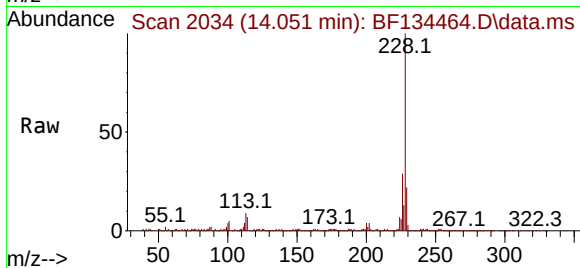
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.5	36.7
229	21.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2286

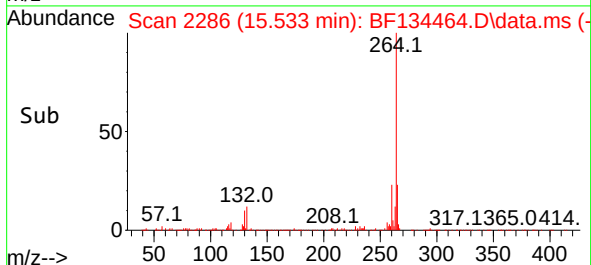
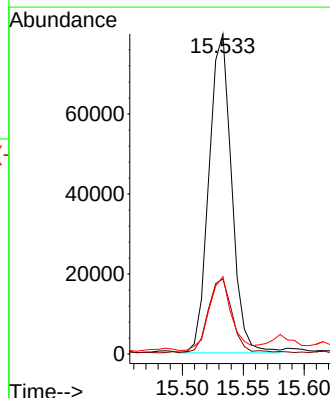
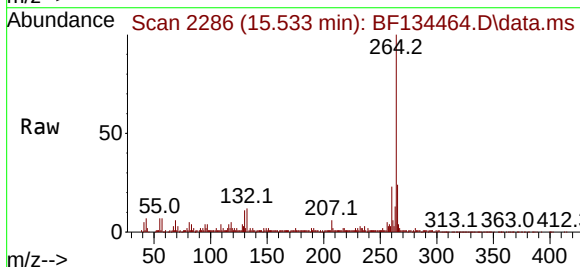
Delta R.T. 0.000 min

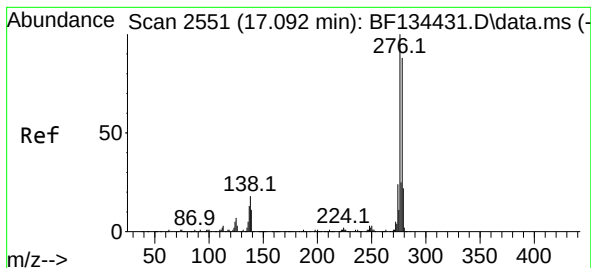
Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Tgt Ion:264 Resp: 103515

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.4	27.6
265	24.1	15.8	23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 12.738 ng

RT: 17.074 min Scan# 2548

Delta R.T. -0.017 min

Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

PL-02-072023

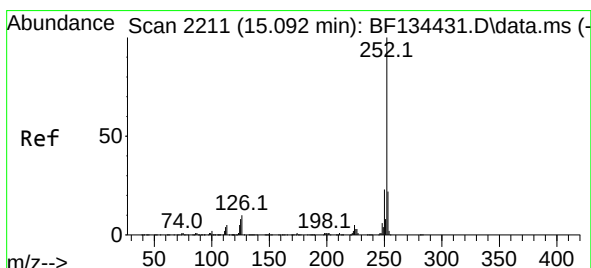
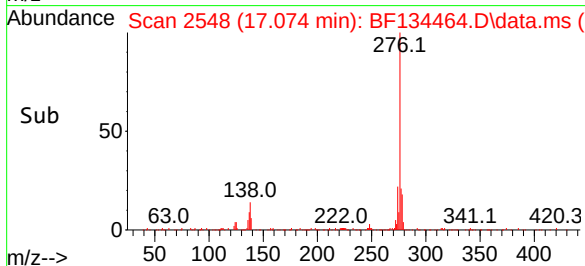
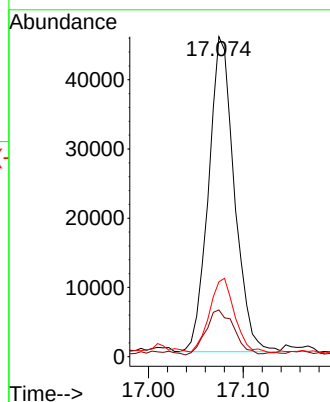
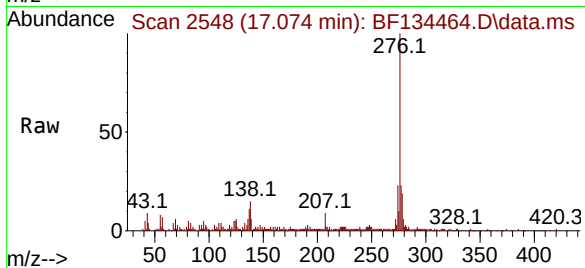
Tgt Ion:	276	Resp:	8614
Ion Ratio	Lower	Upper	
276	100		
138	15.6	14.2	21.4
277	23.2	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#88

Benzo(b)fluoranthene

Concen: 34.565 ng m

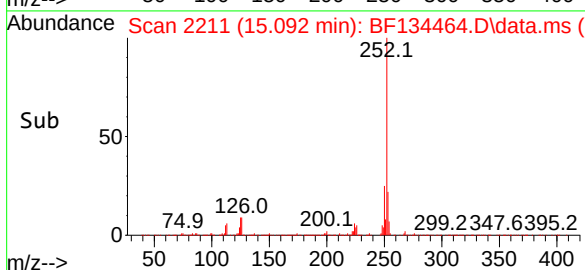
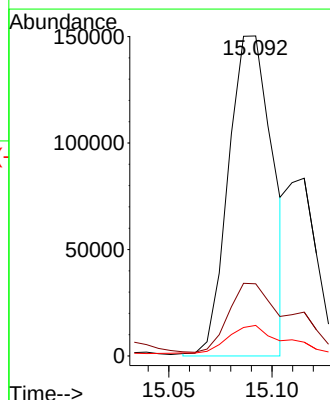
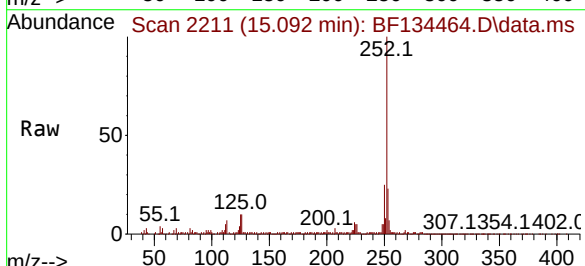
RT: 15.092 min Scan# 2211

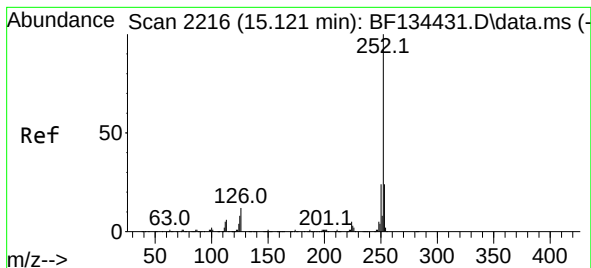
Delta R.T. 0.000 min

Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Tgt Ion:	252	Resp:	223838
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.3	25.9
125	9.5	6.0	9.0





#89

Benzo(k)fluoranthene

Concen: 12.850 ng m

RT: 15.116 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

PL-02-072023

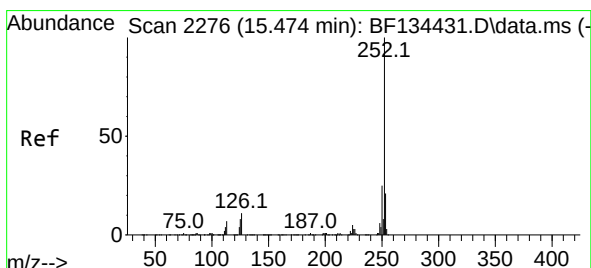
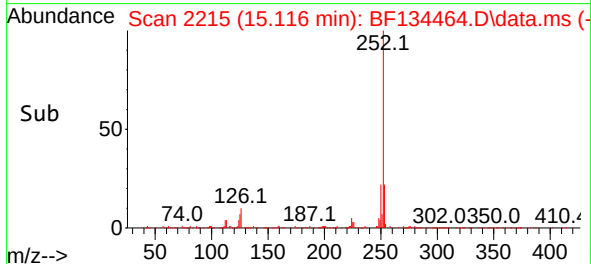
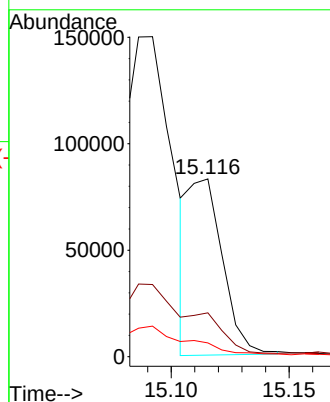
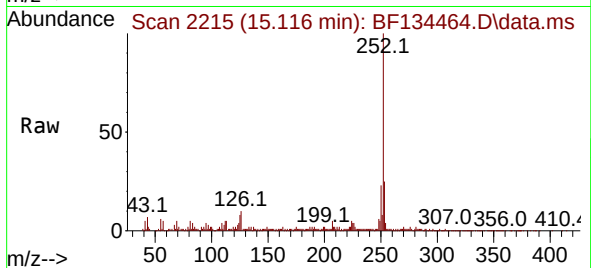
Tgt Ion:252 Resp: 81830
 Ion Ratio Lower Upper
 252 100
 253 24.7 17.9 26.9
 125 7.8 6.3 9.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/26/2023

Supervised By :mohammad ahmed 07/26/2023



#90

Benzo(a)pyrene

Concen: 25.934 ng

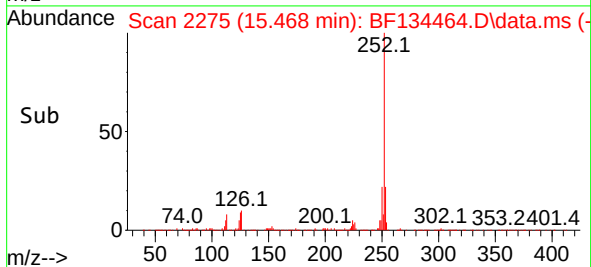
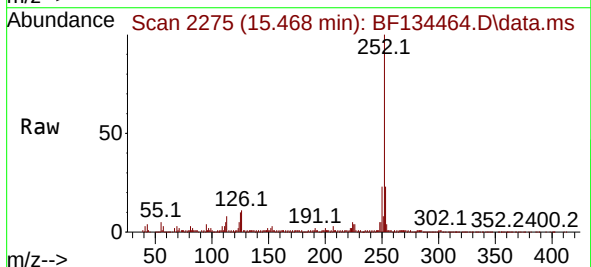
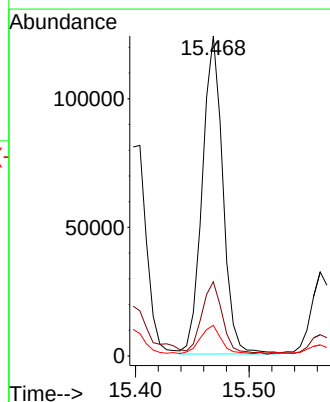
RT: 15.468 min Scan# 2275

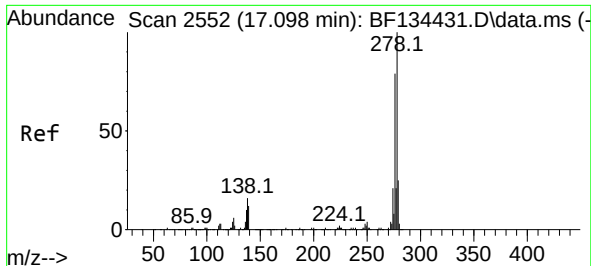
Delta R.T. -0.006 min

Lab File: BF134464.D

Acq: 25 Jul 2023 15:53

Tgt Ion:252 Resp: 155235
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.0 25.4
 125 9.6 6.2 9.4





#91
Dibenzo(a,h)anthracene
Concen: 4.173 ng
RT: 17.080 min Scan# 2549
Delta R.T. -0.017 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Instrument :

BNA_F

ClientSampleId :

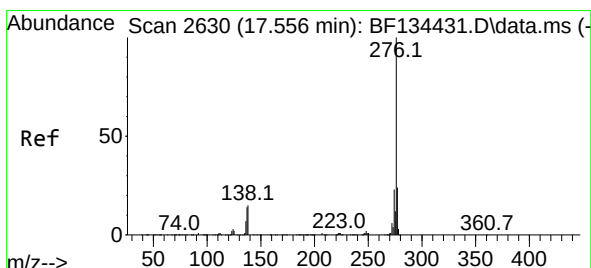
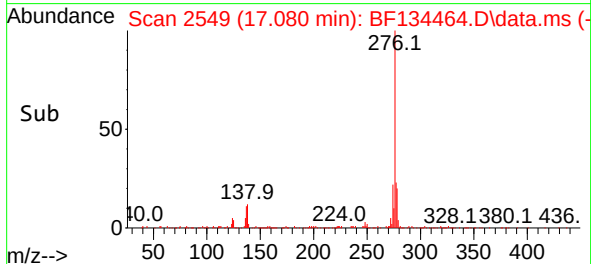
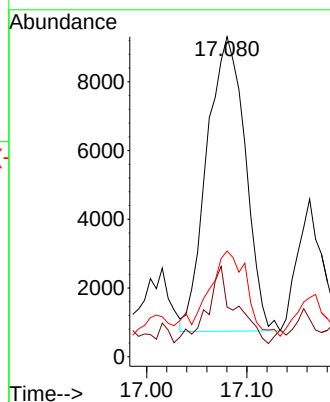
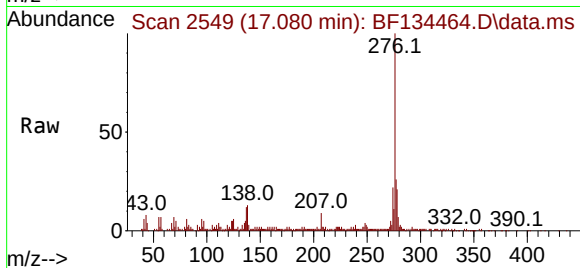
PL-02-072023

Tgt Ion:278 Resp: 2279
Ion Ratio Lower Upper
278 100
139 15.5 10.0 15.0
279 33.0 19.7 29.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/26/2023
Supervised By :mohammad ahmed 07/26/2023



#92
Benzo(g,h,i)perylene
Concen: 14.012 ng
RT: 17.551 min Scan# 2629
Delta R.T. -0.006 min
Lab File: BF134464.D
Acq: 25 Jul 2023 15:53

Tgt Ion:276 Resp: 78578
Ion Ratio Lower Upper
276 100
277 24.0 19.0 28.6
138 15.2 12.2 18.2

