

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
 Data File : BF134919.D
 Acq On : 24 Aug 2023 12:28
 Operator : CG\JU
 Sample : 04090-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-K

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/25/2023
 Supervised By :mohammad ahmed 08/25/2023

Quant Time: Aug 25 01:17:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	122883	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	476712	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	243482	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	442223	20.000	ng	0.00
76) Chrysene-d12	13.980	240	254741	20.000	ng	0.00
86) Perylene-d12	15.451	264	271825	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	557357	72.328	ng	0.00
7) Phenol-d6	6.428	99	699574	71.046	ng	-0.01
23) Nitrobenzene-d5	7.351	82	433151	50.068	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	202789	70.717	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	731258	46.428	ng	0.00
79) Terphenyl-d14	12.921	244	652944	35.254	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.345	178	138222	5.965	ng	99
75) Fluoranthene	12.539	202	145235	6.615	ng	100
78) Pyrene	12.769	202	142592	5.279	ng	99
81) Benzo(a)anthracene	13.968	228	52872	3.042	ng	100
83) Chrysene	14.004	228	58535	3.413	ng	97
88) Benzo(b)fluoranthene	15.021	252	59225m	3.862	ng	
90) Benzo(a)pyrene	15.386	252	40477	2.644	ng	98

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

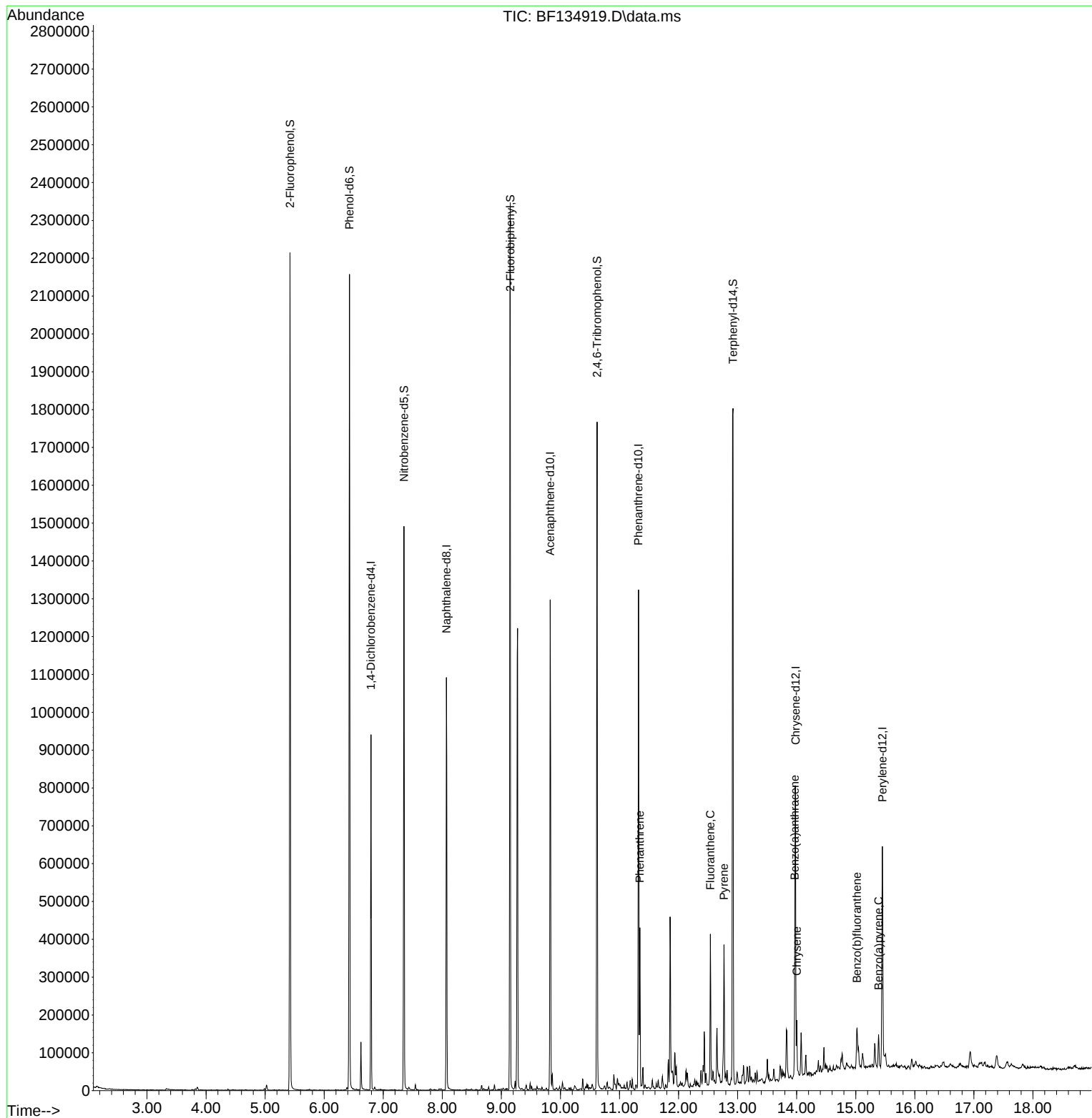
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082423\
Data File : BF134919.D
Acq On : 24 Aug 2023 12:28
Operator : CG\JU
Sample : 04090-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

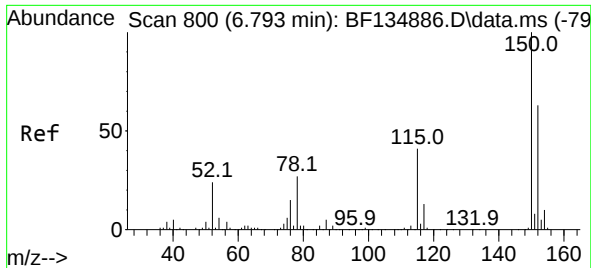
Instrument :
BNA_F
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Quant Time: Aug 25 01:17:39 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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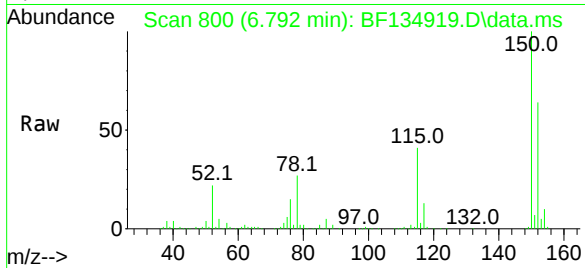
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.001 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

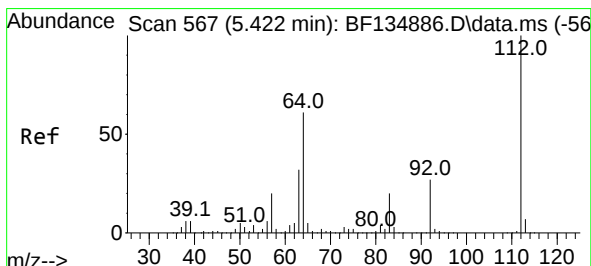
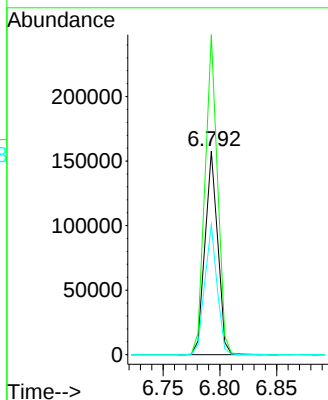
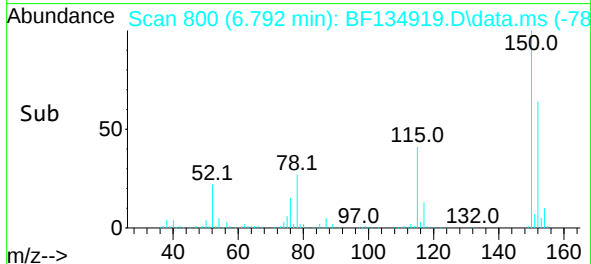
Instrument :
BNA_F
ClientSampleId :
TP-K



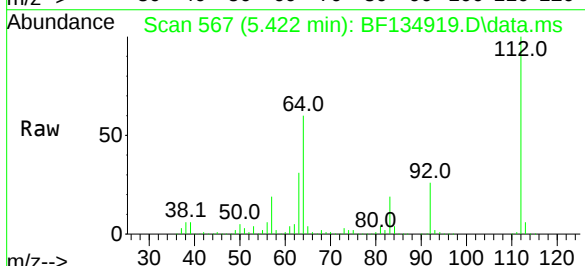
Tgt Ion:152 Resp: 12288
Ion Ratio Lower Upper
152 100
150 157.2 126.1 189.1
115 63.8 51.1 76.7

Manual Integrations
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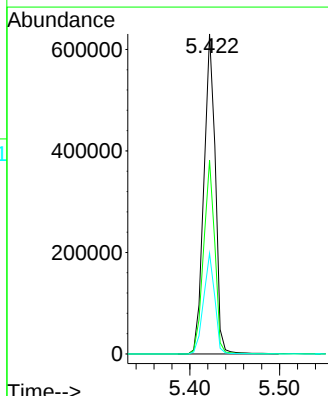
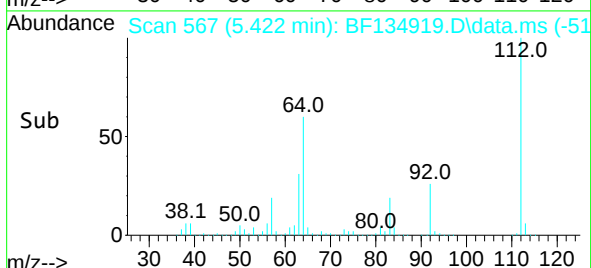
Reviewed By :Yogesh Patel 08/25/2023
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#5
2-Fluorophenol
Concen: 72.328 ng
RT: 5.422 min Scan# 567
Delta R.T. -0.000 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28



Tgt Ion:112 Resp: 557357
Ion Ratio Lower Upper
112 100
64 60.5 48.6 73.0
63 31.5 25.7 38.5





#7

Phenol-d6

Concen: 71.046 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

Instrument :

BNA_F

ClientSampleId :

TP-K

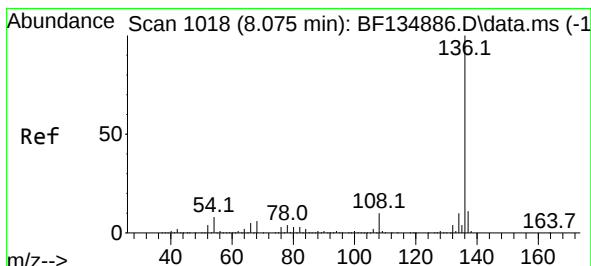
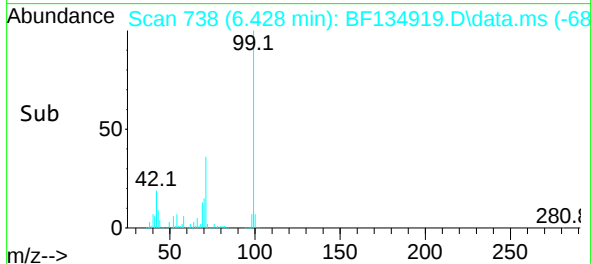
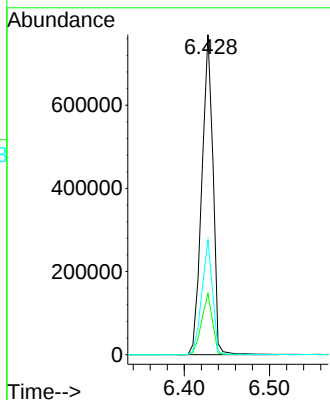
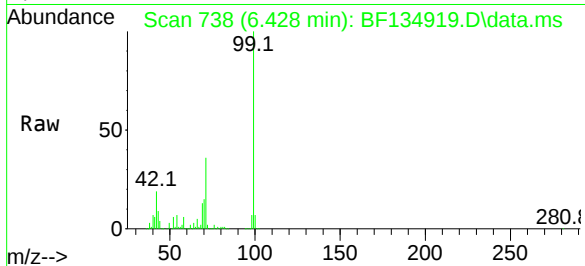
Tgt Ion: 99 Resp: 699574
 Ion Ratio Lower Upper
 99 100
 42 19.1 14.6 22.0
 71 35.7 27.6 41.4

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Supervised By :mohammad ahmed 08/25/2023



#21

Naphthalene-d8

Concen: 20.000 ng

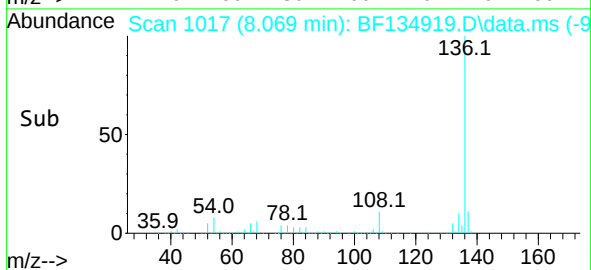
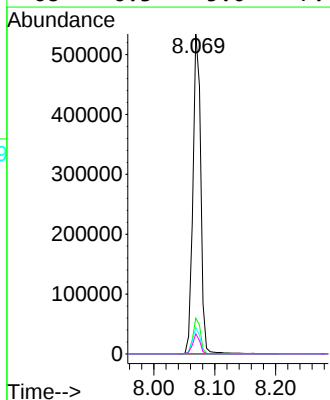
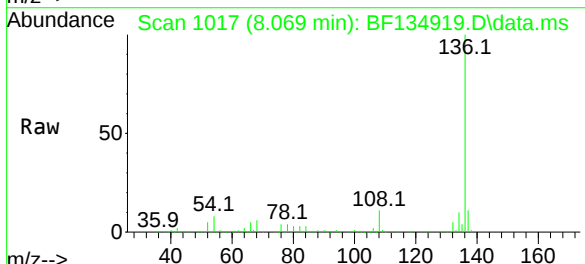
RT: 8.069 min Scan# 1017

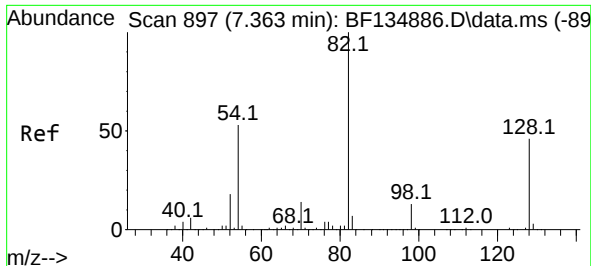
Delta R.T. -0.006 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

Tgt Ion:136 Resp: 476712
 Ion Ratio Lower Upper
 136 100
 137 11.2 8.9 13.3
 54 8.3 6.6 9.8
 68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 50.068 ng

RT: 7.351 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

Instrument :

BNA_F

ClientSampleId :

TP-K

Tgt Ion: 82 Resp: 43315

Ion Ratio Lower Upper

82 100

128 43.9 36.6 54.8

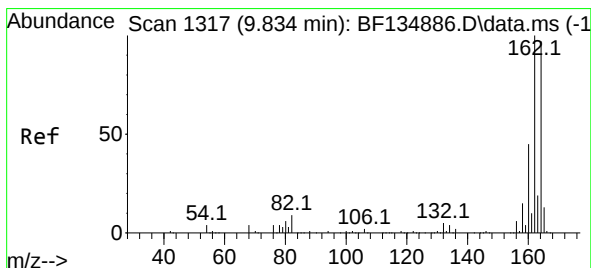
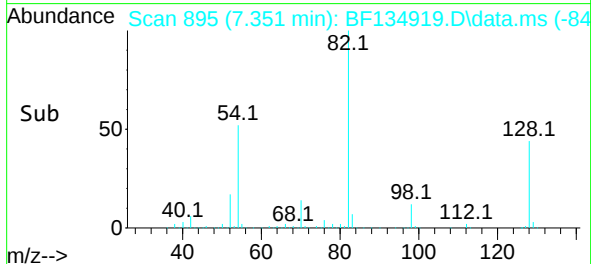
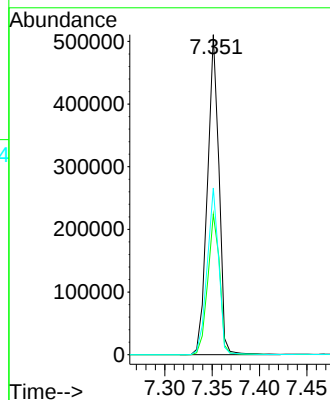
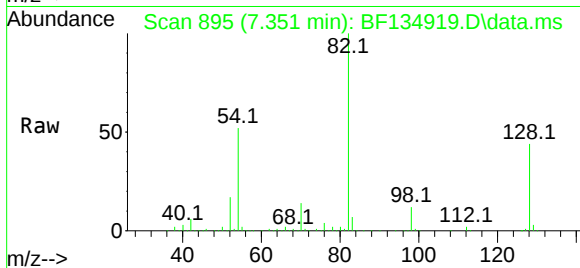
54 52.1 42.6 63.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

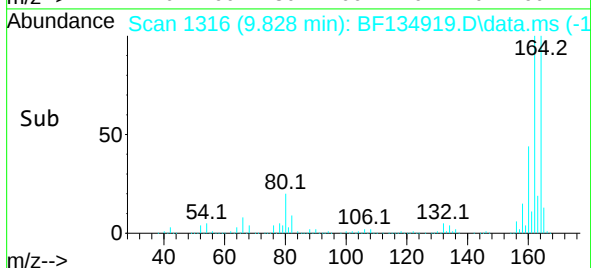
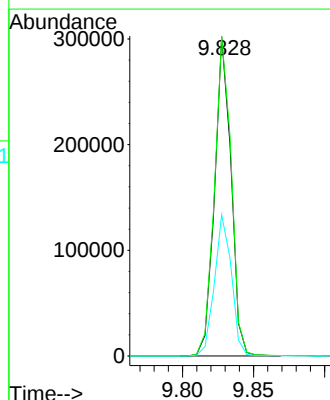
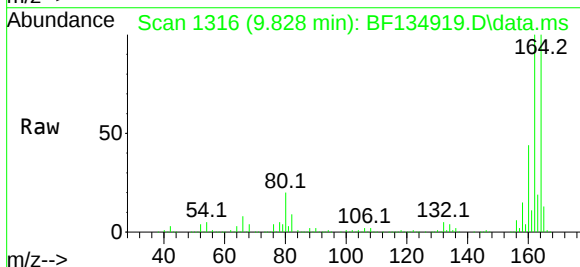
Tgt Ion:164 Resp: 243482

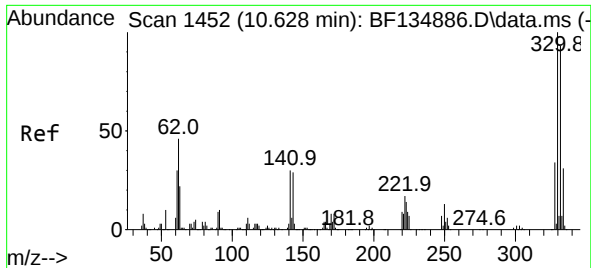
Ion Ratio Lower Upper

164 100

162 100.3 82.6 123.8

160 44.2 37.0 55.4





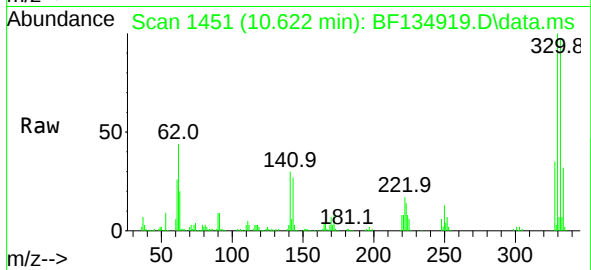
#42
2,4,6-Tribromophenol
Concen: 70.717 ng
RT: 10.622 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Instrument :

BNA_F

ClientSampleId :

TP-K



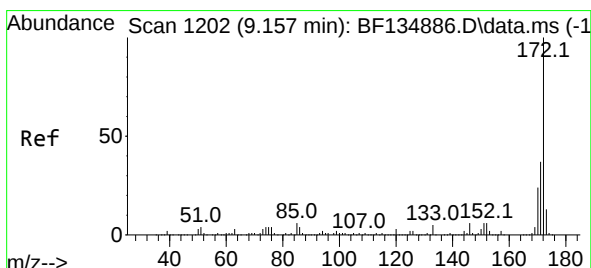
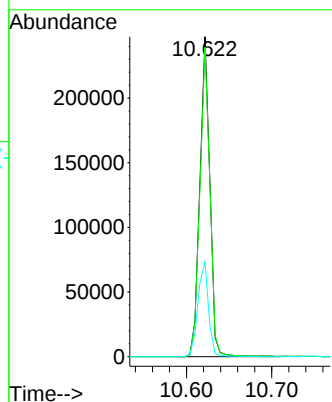
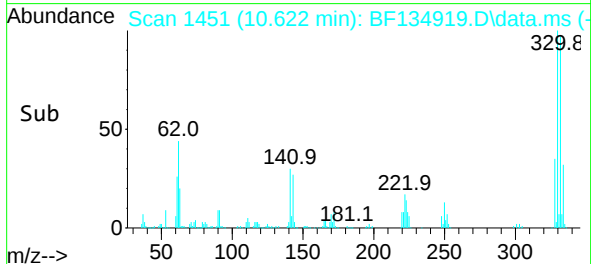
Tgt Ion:330 Resp: 202789
Ion Ratio Lower Upper
330 100
332 97.5 76.3 114.5
141 31.3 23.4 35.2

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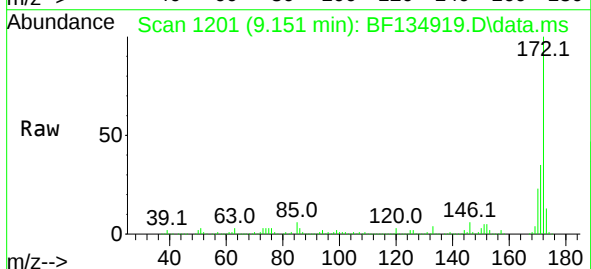
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Reviewed By :Yogesh Patel 08/25/2023

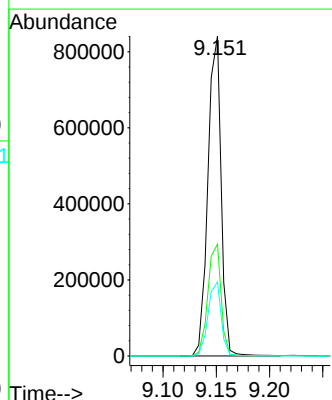
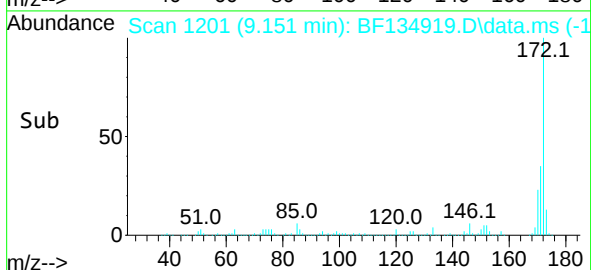
Supervised By :mohammad ahmed 08/25/2023

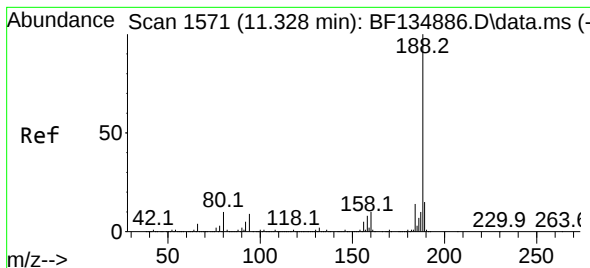


#45
2-Fluorobiphenyl
Concen: 46.428 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28



Tgt Ion:172 Resp: 731258
Ion Ratio Lower Upper
172 100
171 35.0 29.4 44.0
170 23.2 19.6 29.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

Instrument :

BNA_F

ClientSampleId :

TP-K

Tgt Ion:188 Resp: 442222

Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

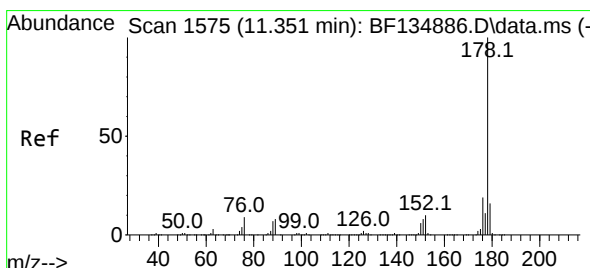
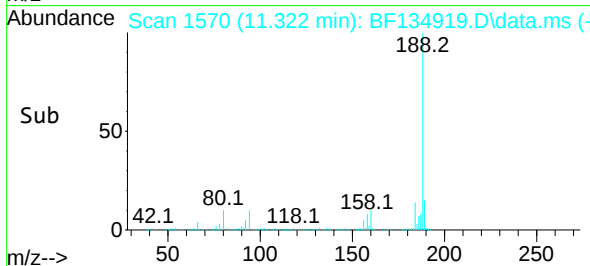
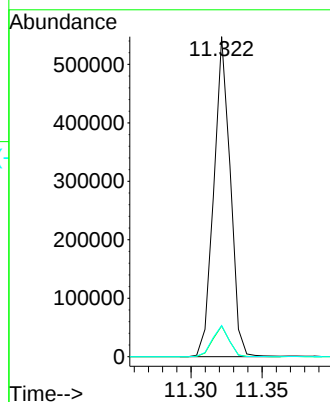
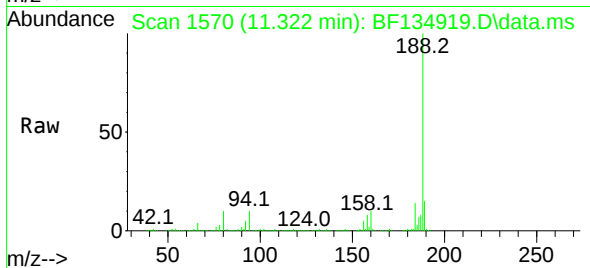
80 9.7 7.8 11.6

Manual Integrations

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Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#71

Phenanthrene

Concen: 5.965 ng

RT: 11.345 min Scan# 1574

Delta R.T. -0.006 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

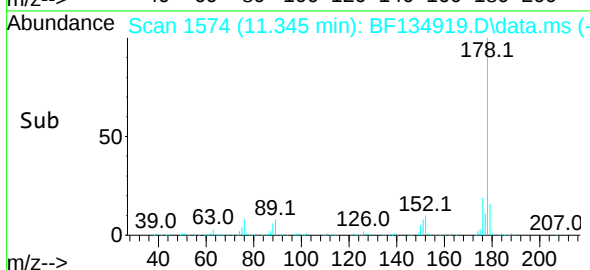
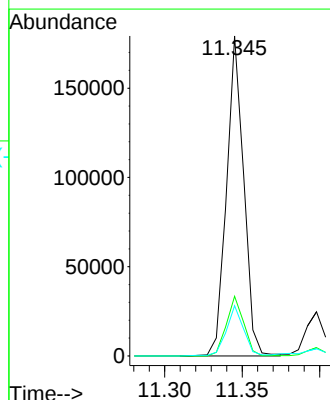
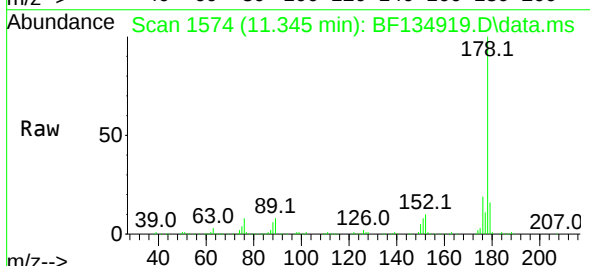
Tgt Ion:178 Resp: 138222

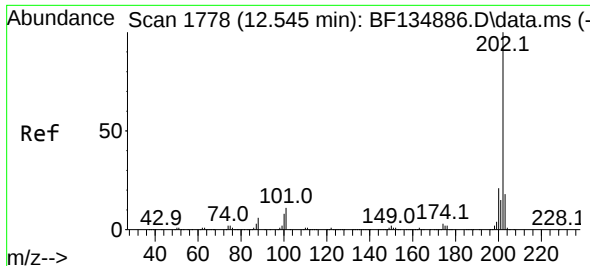
Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

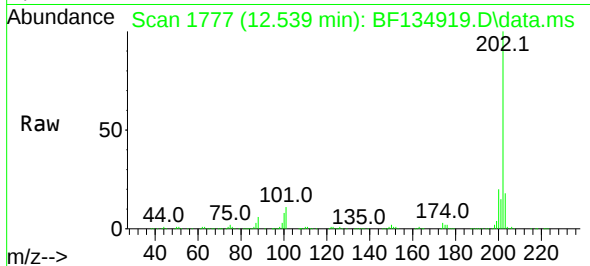
179 15.7 12.6 19.0





#75
Fluoranthene
Concen: 6.615 ng
RT: 12.539 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

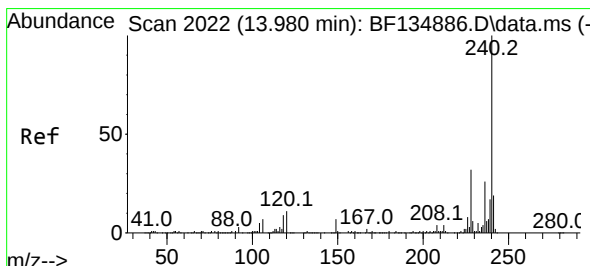
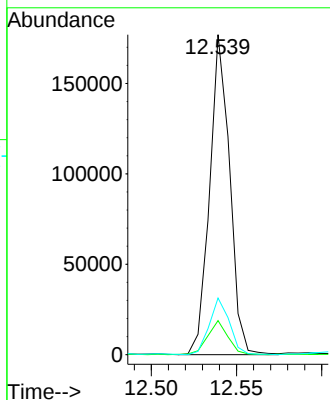
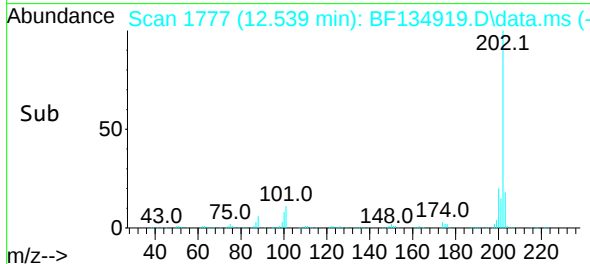
Instrument :
BNA_F
ClientSampleId :
TP-K



Tgt Ion:202 Resp: 145239
Ion Ratio Lower Upper
202 100
101 10.7 0.0 30.5
203 17.7 0.0 37.8

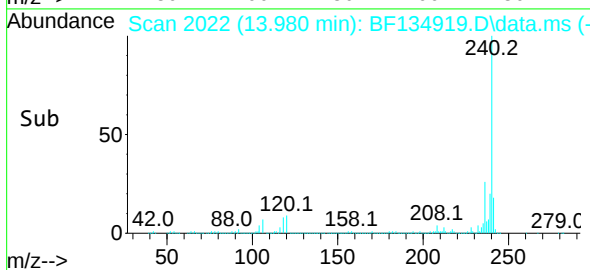
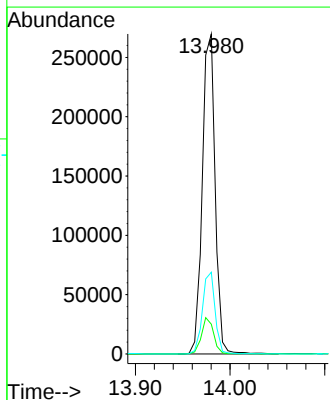
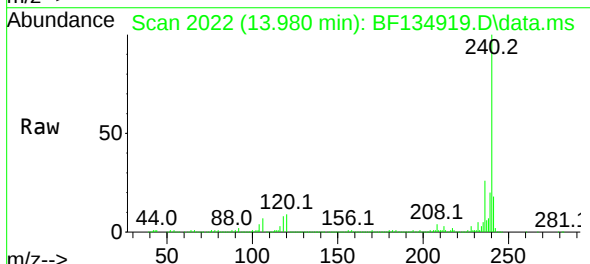
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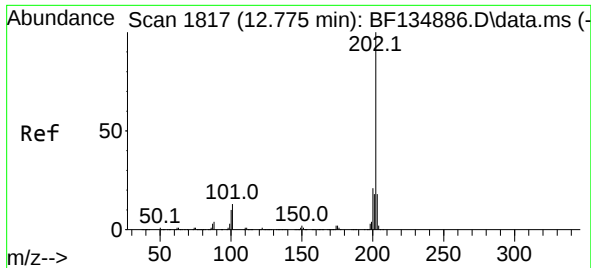
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Tgt Ion:240 Resp: 254741
Ion Ratio Lower Upper
240 100
120 9.3 8.6 12.8
236 25.6 20.6 31.0





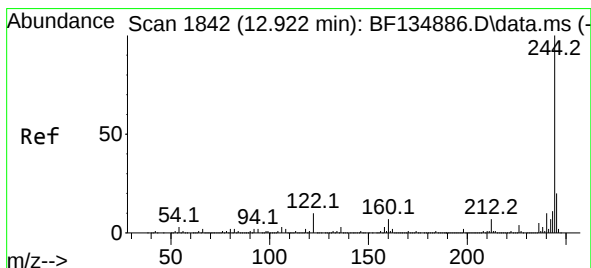
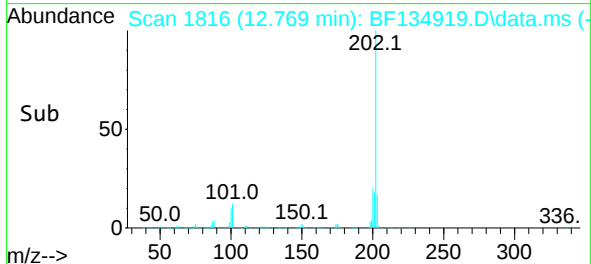
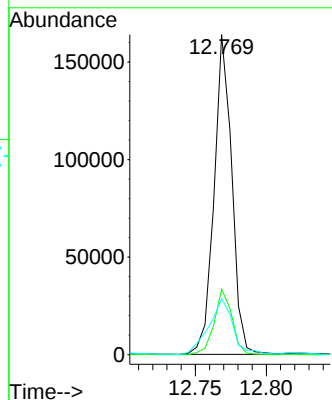
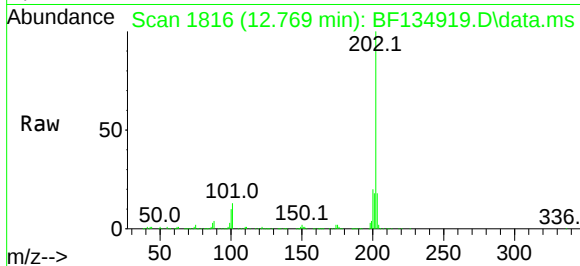
#78
Pyrene
Concen: 5.279 ng
RT: 12.769 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Instrument :
BNA_F
ClientSampleId :
TP-K

Tgt Ion:202 Resp: 142592
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 17.5 14.2 21.2

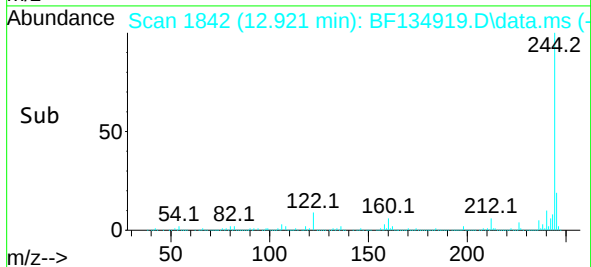
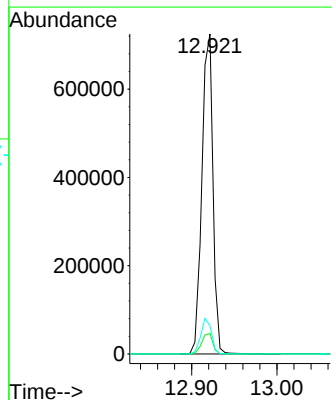
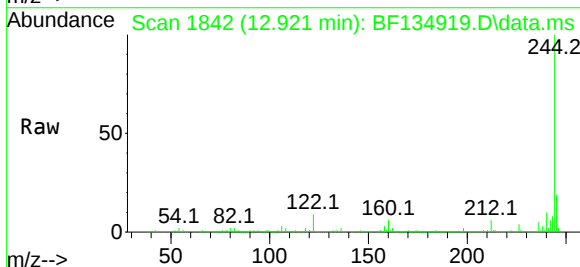
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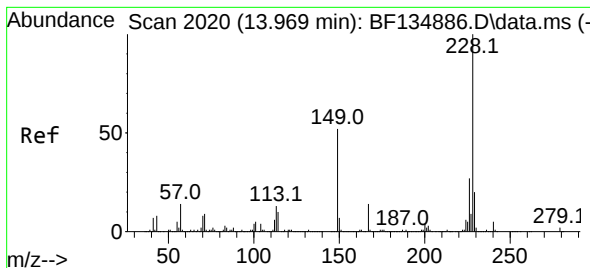
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#79
Terphenyl-d14
Concen: 35.254 ng
RT: 12.921 min Scan# 1842
Delta R.T. -0.001 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Tgt Ion:244 Resp: 652944
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 8.9 8.2 12.4





#81

Benzo(a)anthracene

Concen: 3.042 ng

RT: 13.968 min Scan# 20

Delta R.T. -0.000 min

Lab File: BF134919.D

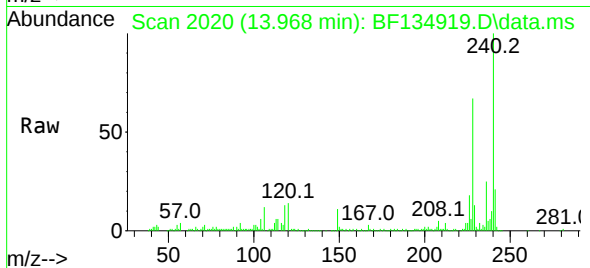
Acq: 24 Aug 2023 12:28

Instrument :

BNA_F

ClientSampleId :

TP-K



Tgt Ion:228 Resp: 5287

Ion Ratio Lower Upper

228 100

226 27.5 21.8 32.6

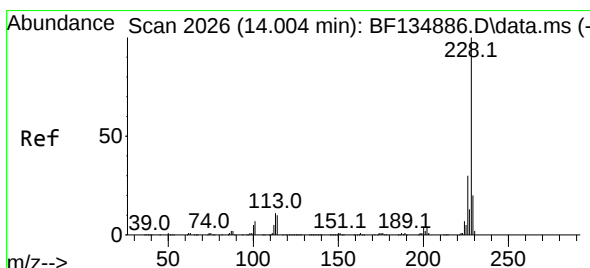
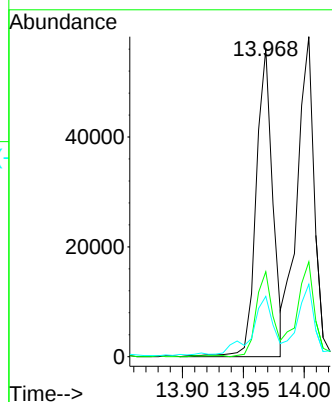
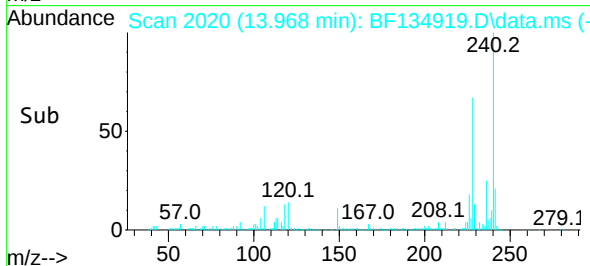
229 19.6 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 08/25/2023

Supervised By :mohammad ahmed 08/25/2023



#83

Chrysene

Concen: 3.413 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF134919.D

Acq: 24 Aug 2023 12:28

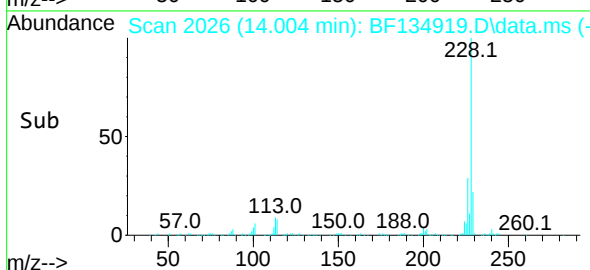
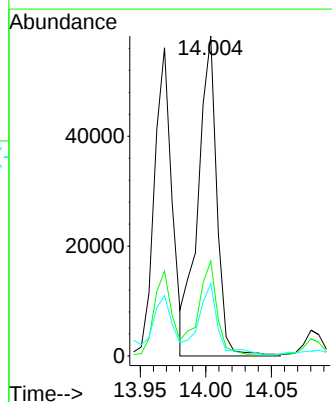
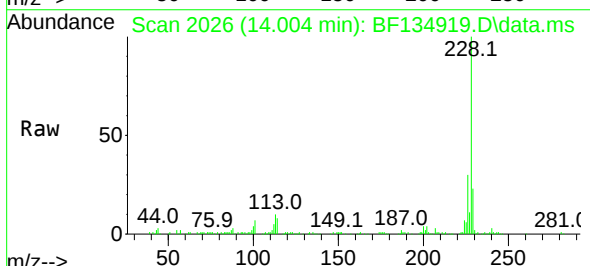
Tgt Ion:228 Resp: 58535

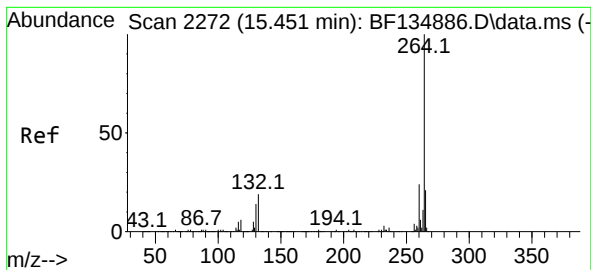
Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

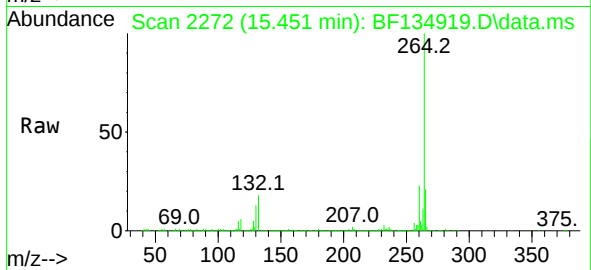
229 22.6 16.0 24.0





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

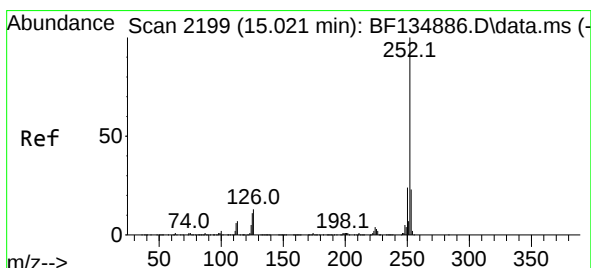
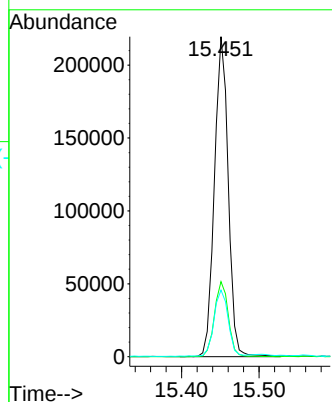
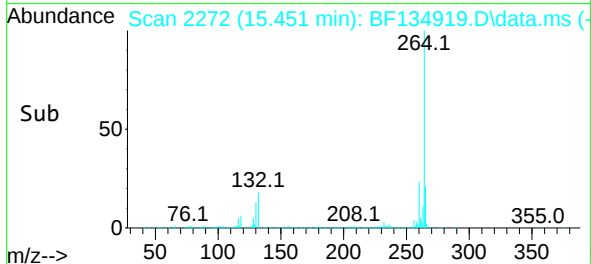
Instrument :
BNA_F
ClientSampleId :
TP-K



Tgt Ion:264 Resp: 271825
Ion Ratio Lower Upper
264 100
260 23.5 19.0 28.6
265 20.8 17.1 25.7

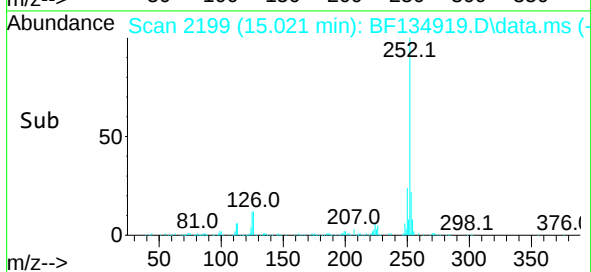
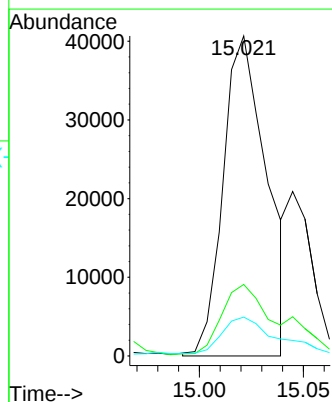
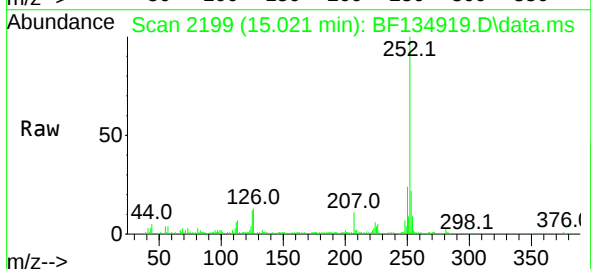
Manual Integrations
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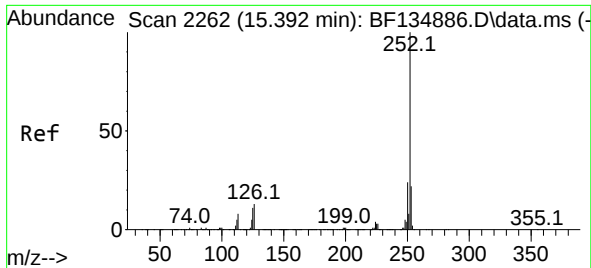
Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023



#88
Benzo(b)fluoranthene
Concen: 3.862 ng m
RT: 15.021 min Scan# 2199
Delta R.T. -0.000 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

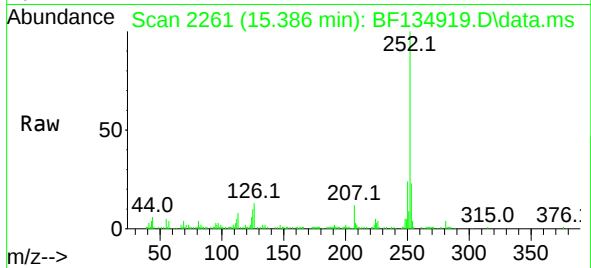
Tgt Ion:252 Resp: 59225
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 12.2 8.4 12.6





#90
Benzo(a)pyrene
Concen: 2.644 ng
RT: 15.386 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF134919.D
Acq: 24 Aug 2023 12:28

Instrument :
BNA_F
ClientSampleId :
TP-K



Tgt Ion:252 Resp: 4047
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 10.1 8.4 12.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 08/25/2023
Supervised By :mohammad ahmed 08/25/2023

