

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
 Data File : BF134135.D
 Acq On : 07 Jul 2023 13:31
 Operator : CG\JU
 Sample : 03492-01
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TB-TP1

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/07/2023
 Supervised By :mohammad ahmed 07/09/2023

Quant Time: Jul 07 15:23:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	124228	20.000	ng	0.00
21) Naphthalene-d8	8.122	136	481522	20.000	ng	-0.01
39) Acenaphthene-d10	9.881	164	206007	20.000	ng	-0.01
64) Phenanthrene-d10	11.375	188	341935	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	201429	20.000	ng	-0.01
86) Perylene-d12	15.539	264	214101	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	778788	104.866	ng	0.00
7) Phenol-d6	6.481	99	968158	106.005	ng	-0.01
23) Nitrobenzene-d5	7.410	82	664599	74.400	ng	-0.01
42) 2,4,6-Tribromophenol	10.675	330	244543	94.677	ng	-0.01
45) 2-Fluorobiphenyl	9.204	172	1198474	84.582	ng	0.00
79) Terphenyl-d14	12.975	244	947410	75.698	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.739	152	44867	2.172	ng	98
71) Phenanthrene	11.398	178	316400	18.381	ng	98
72) Anthracene	11.451	178	62193	3.474	ng	97
75) Fluoranthene	12.598	202	647037	34.769	ng	98
78) Pyrene	12.827	202	675594	36.040	ng	100
81) Benzo(a)anthracene	14.027	228	312107	22.342	ng	95
83) Chrysene	14.063	228	286438	21.170	ng	98
87) Indeno(1,2,3-cd)pyrene	17.080	276	156773	10.552	ng	95
88) Benzo(b)fluoranthene	15.098	252	437952m	34.788	ng	
89) Benzo(k)fluoranthene	15.121	252	163494m	12.755	ng	
90) Benzo(a)pyrene	15.474	252	278239	22.856	ng	98
91) Dibenzo(a,h)anthracene	17.092	278	38076	3.138	ng	100
92) Benzo(g,h,i)perylene	17.551	276	145806	11.652	ng	97

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

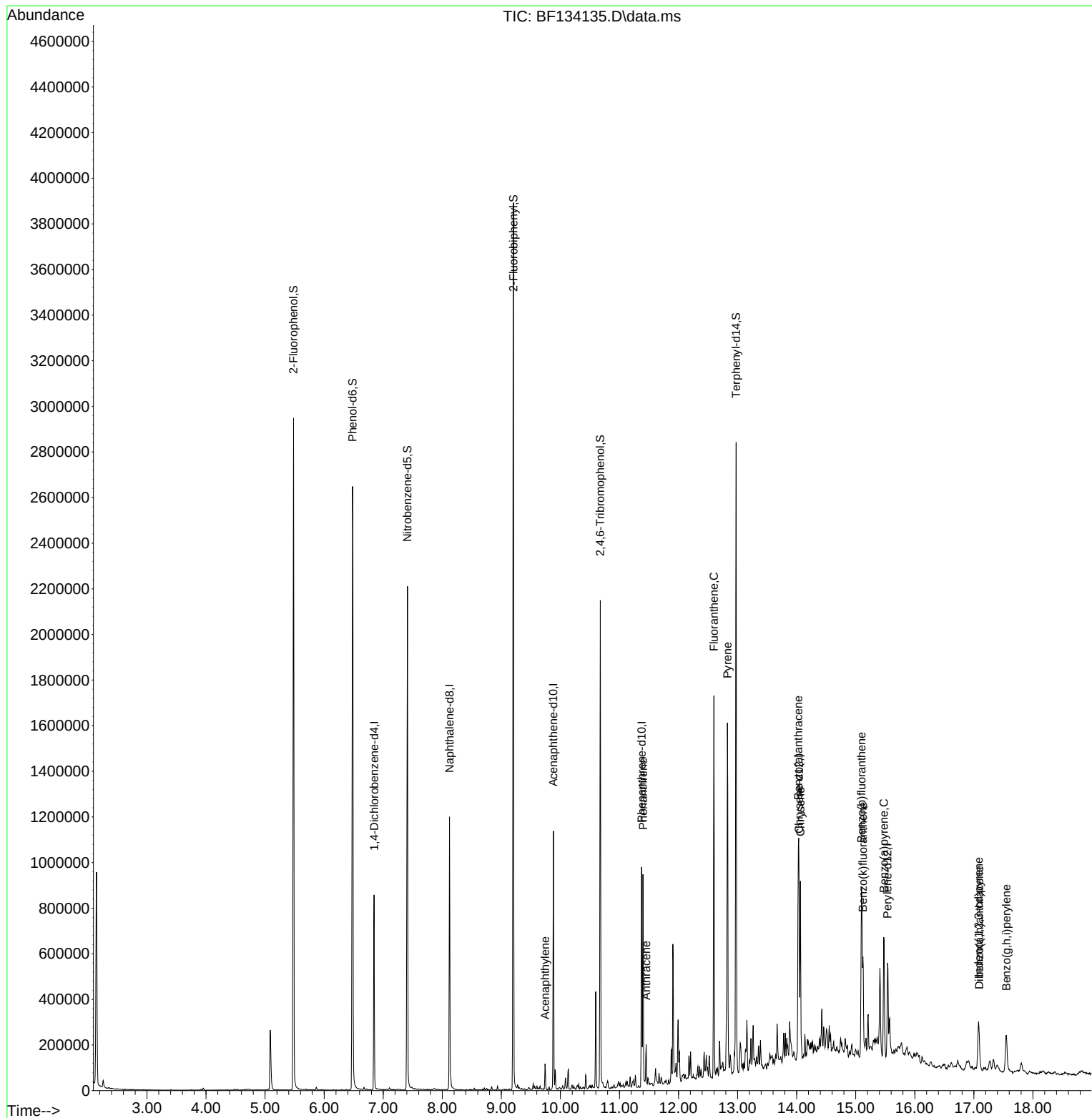
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF070623\
Data File : BF134135.D
Acq On : 07 Jul 2023 13:31
Operator : CG\JU
Sample : 03492-01
Misc :
ALS Vial : 38 Sample Multiplier: 1

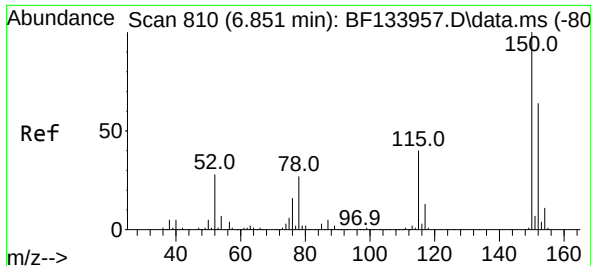
Instrument :
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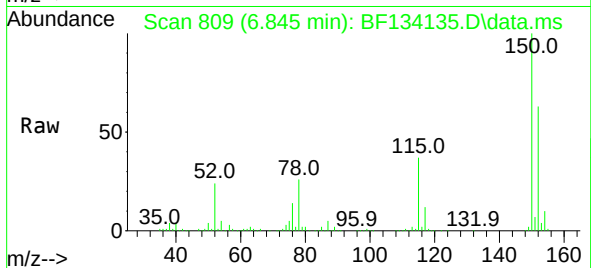
Quant Time: Jul 07 15:23:11 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 30 18:35:29 2023
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

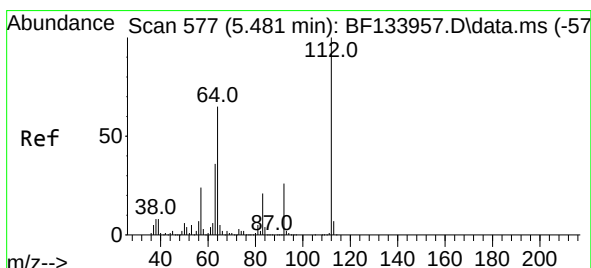
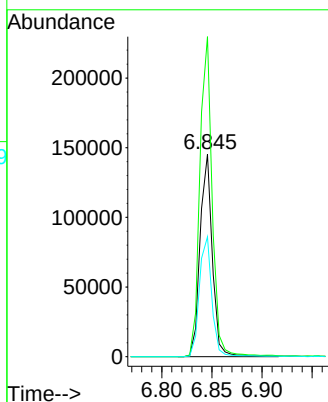
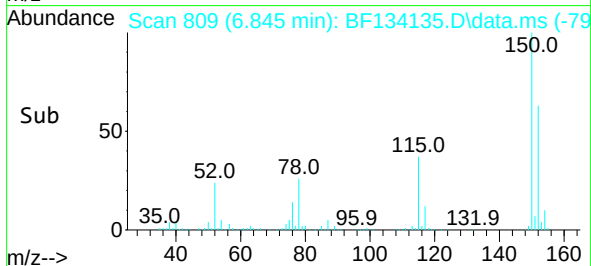
Instrument :
BNA_F
ClientSampleId :
TB-TP1



Tgt Ion:152 Resp: 124228
Ion Ratio Lower Upper
152 100
150 158.1 124.5 186.7
115 59.2 50.2 75.2

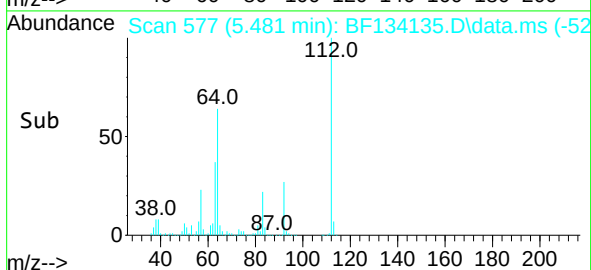
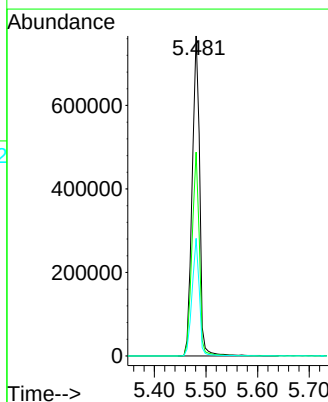
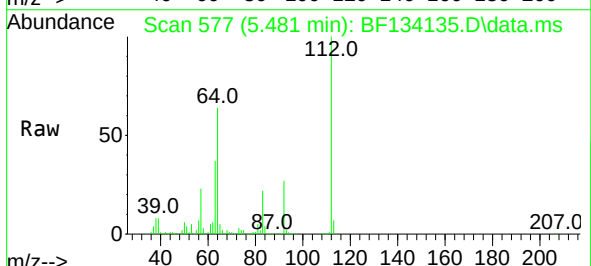
Manual Integrations
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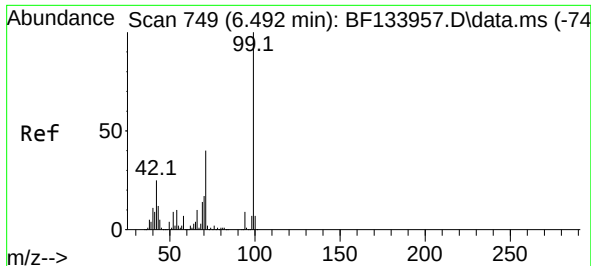
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#5
2-Fluorophenol
Concen: 104.866 ng
RT: 5.481 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

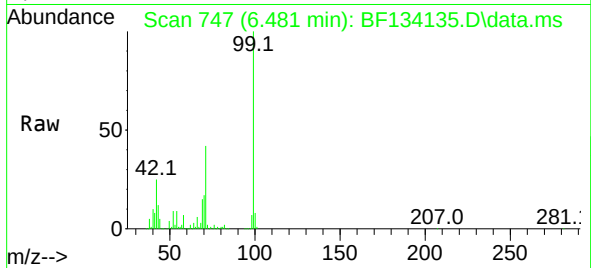
Tgt Ion:112 Resp: 778788
Ion Ratio Lower Upper
112 100
64 63.7 52.1 78.1
63 36.8 28.6 42.8





#7
Phenol-d6
Concen: 106.005 ng
RT: 6.481 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

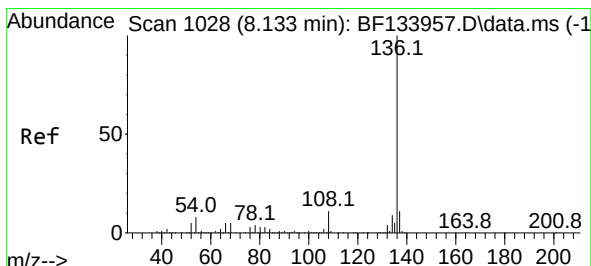
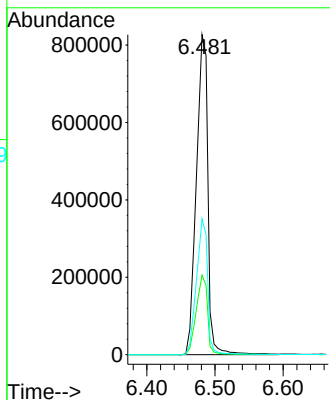
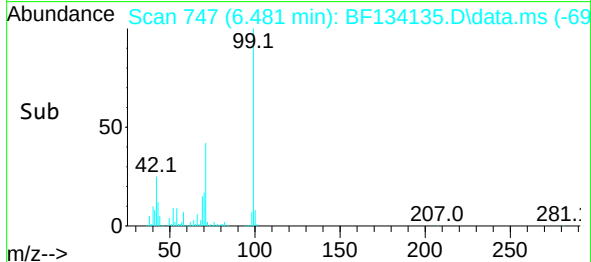
Instrument :
BNA_F
Client SampleId :
TB-TP1



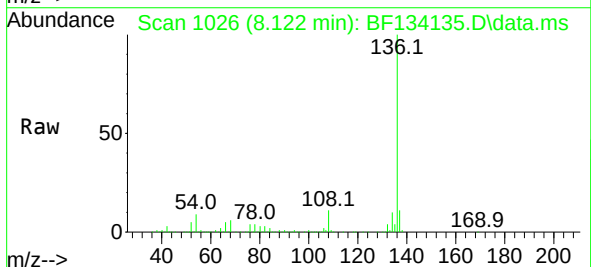
Tgt Ion: 99 Resp: 968158
Ion Ratio Lower Upper
99 100
42 24.9 19.8 29.6
71 42.4 31.9 47.9

Manual Integrations
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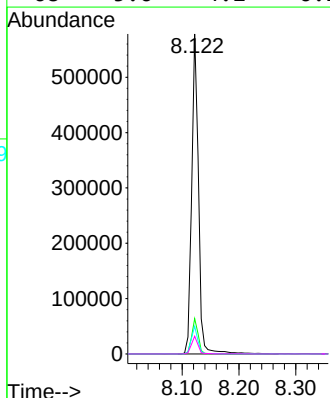
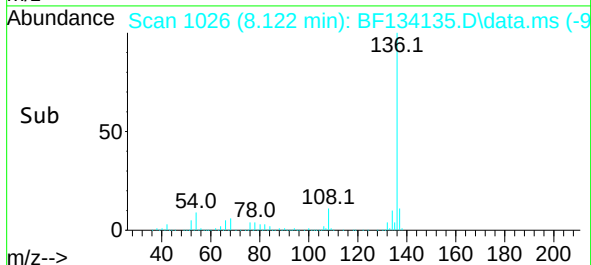
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023

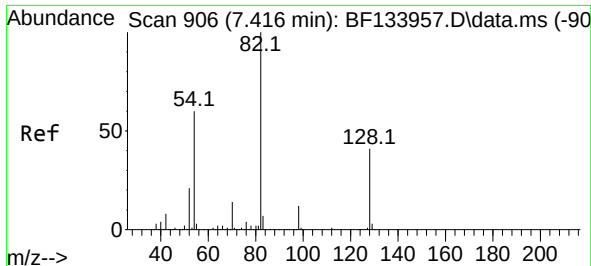


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.122 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31



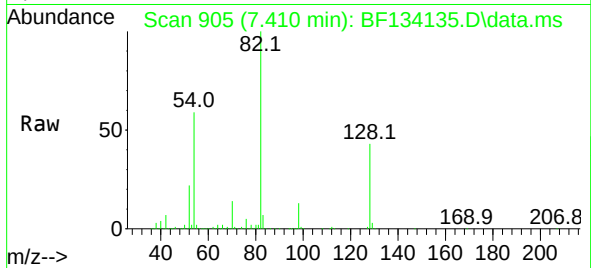
Tgt Ion:136 Resp: 481522
Ion Ratio Lower Upper
136 100
137 11.1 8.6 12.8
54 8.6 6.5 9.7
68 5.6 4.2 6.2





#23
Nitrobenzene-d5
Concen: 74.400 ng
RT: 7.410 min Scan# 906
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

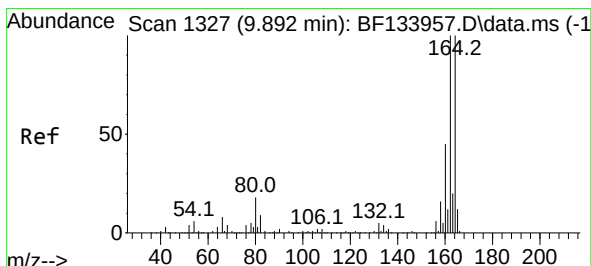
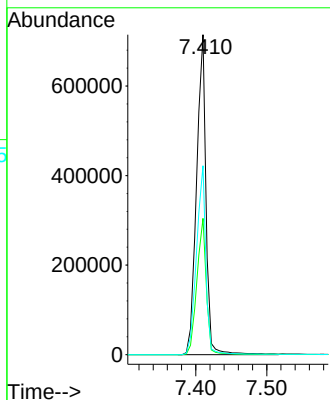
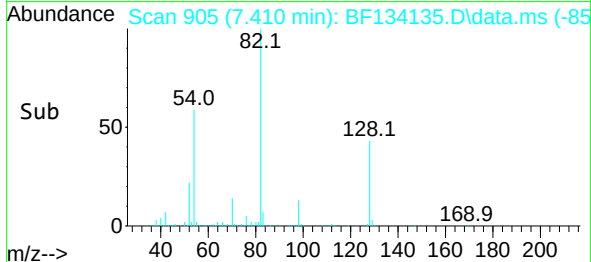
Instrument :
BNA_F
ClientSampleId :
TB-TP1



Tgt Ion: 82 Resp: 664599
Ion Ratio Lower Upper
82 100
128 42.6 32.5 48.7
54 59.1 48.2 72.2

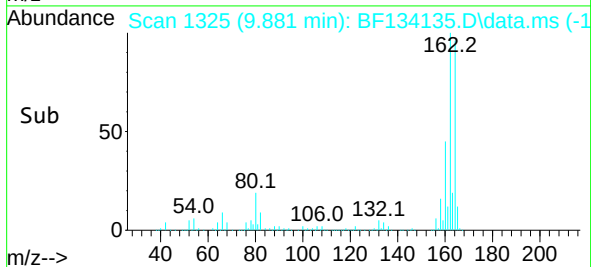
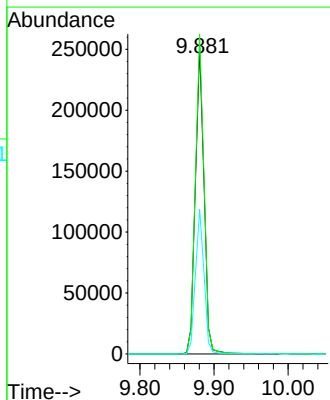
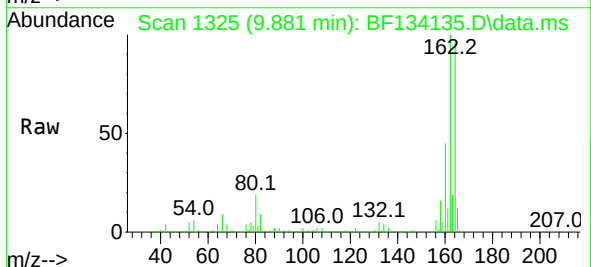
Manual Integrations
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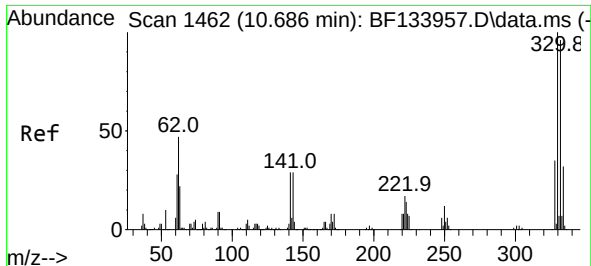
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.881 min Scan# 1325
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

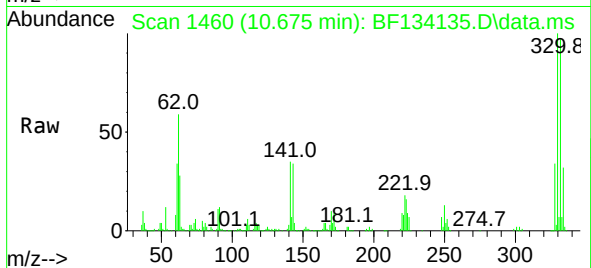
Tgt Ion:164 Resp: 206007
Ion Ratio Lower Upper
164 100
162 104.5 80.0 120.0
160 47.3 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 94.677 ng
RT: 10.675 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

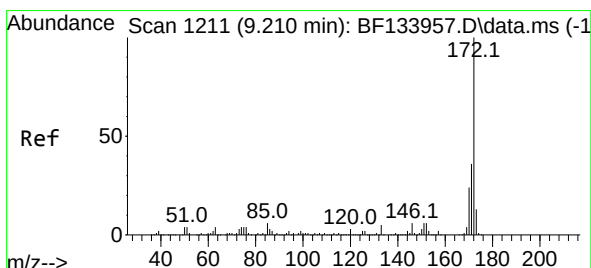
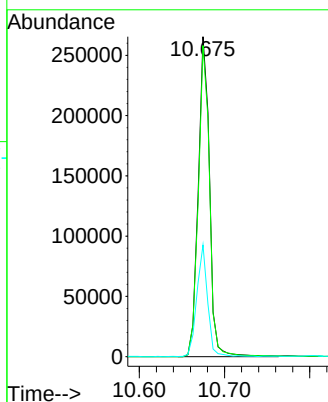
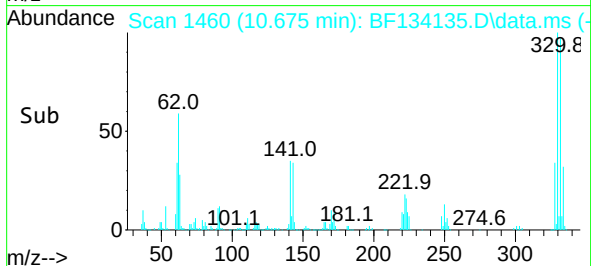
Instrument :
BNA_F
ClientSampleId :
TB-TP1



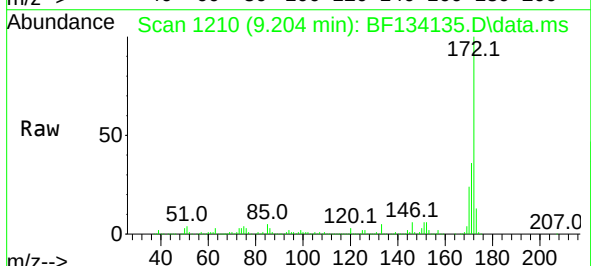
Tgt Ion:330 Resp: 24454
Ion Ratio Lower Upper
330 100
332 97.4 77.0 115.6
141 33.7 26.3 39.5

Manual Integrations
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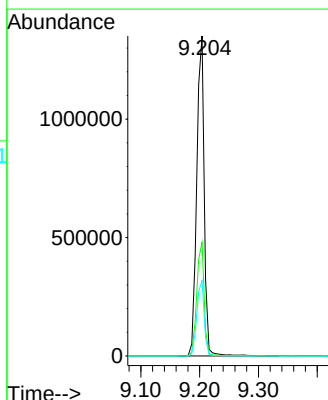
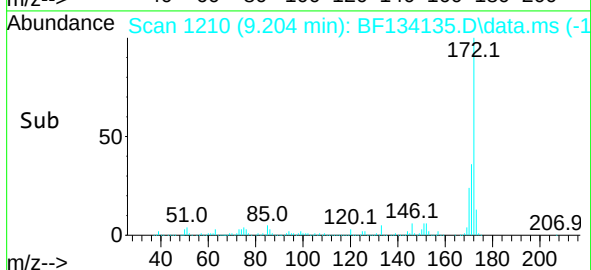
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023

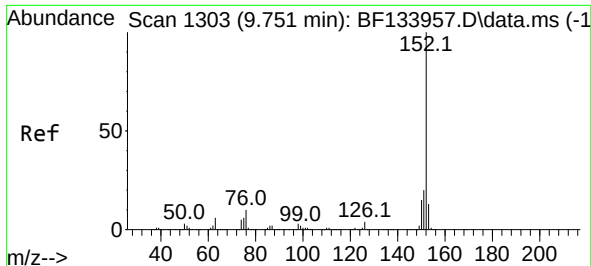


#45
2-Fluorobiphenyl
Concen: 84.582 ng
RT: 9.204 min Scan# 1210
Delta R.T. -0.006 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31



Tgt Ion:172 Resp: 1198474
Ion Ratio Lower Upper
172 100
171 35.5 28.6 43.0
170 23.6 19.4 29.0





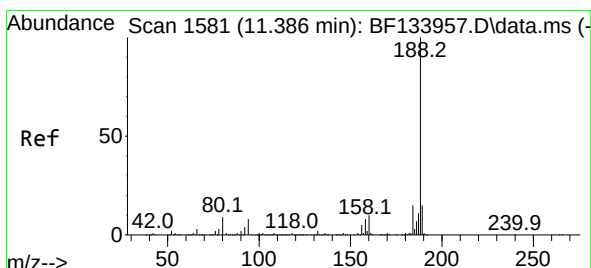
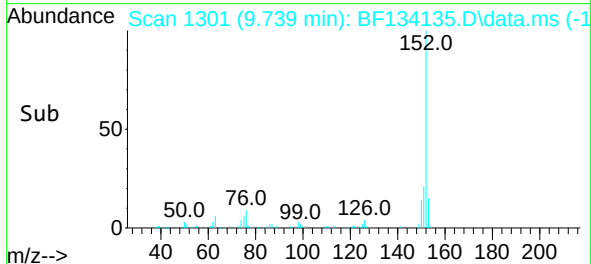
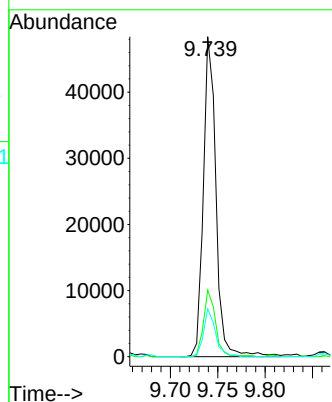
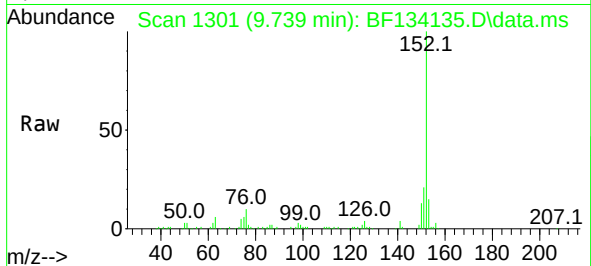
#49
Acenaphthylene
Concen: 2.172 ng
RT: 9.739 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

Instrument :
BNA_F
ClientSampleId :
TB-TP1

Tgt Ion:152 Resp: 4486
Ion Ratio Lower Upper
152 100
151 20.8 16.2 24.2
153 15.0 10.8 16.2

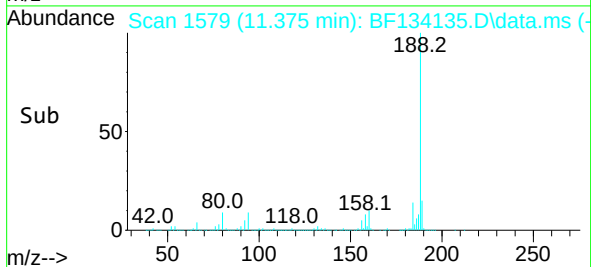
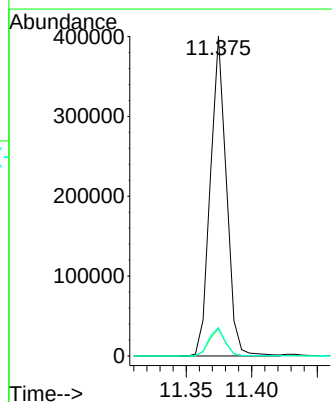
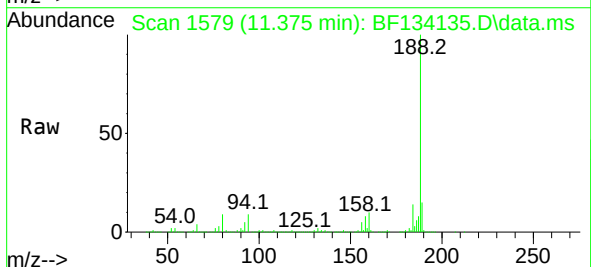
Manual Integrations
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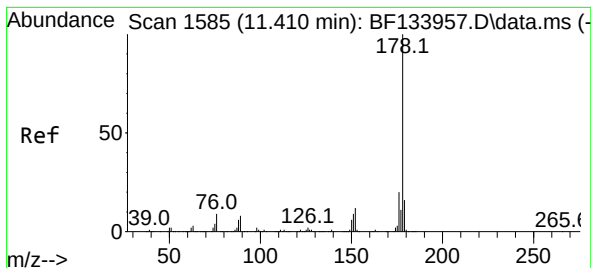
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.375 min Scan# 1579
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

Tgt Ion:188 Resp: 341935
Ion Ratio Lower Upper
188 100
94 8.5 6.4 9.6
80 8.9 7.3 10.9





#71

Phenanthrene

Concen: 18.381 ng

RT: 11.398 min Scan# 1583

Delta R.T. -0.012 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

Instrument :

BNA_F

ClientSampleId :

TB-TP1

Tgt Ion:178 Resp: 316400

Ion Ratio Lower Upper

178 100

176 19.1 16.0 24.0

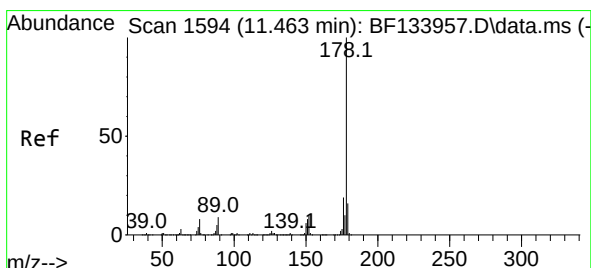
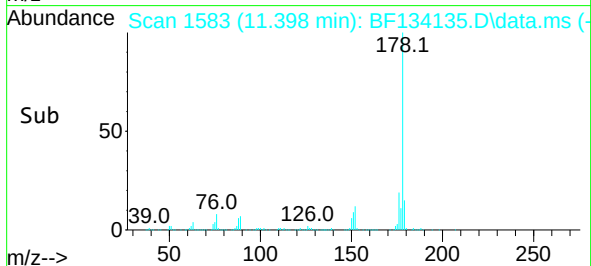
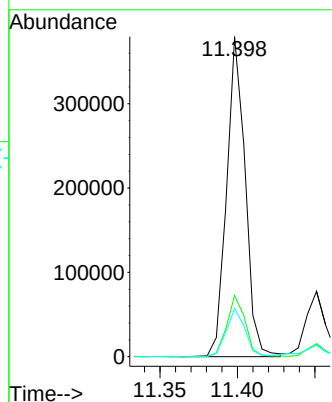
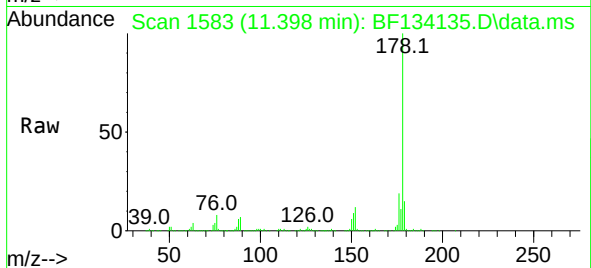
179 15.0 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/07/2023

Supervised By :mohammad ahmed 07/09/2023



#72

Anthracene

Concen: 3.474 ng

RT: 11.451 min Scan# 1592

Delta R.T. -0.012 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

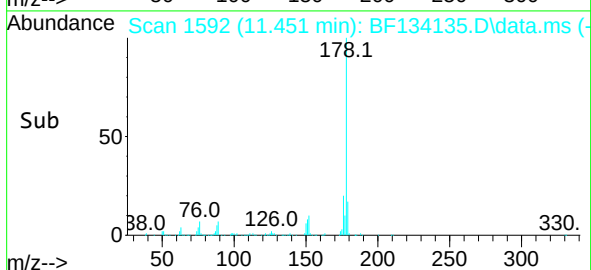
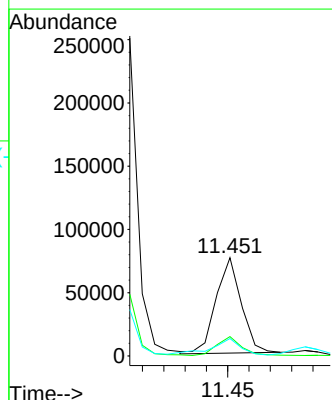
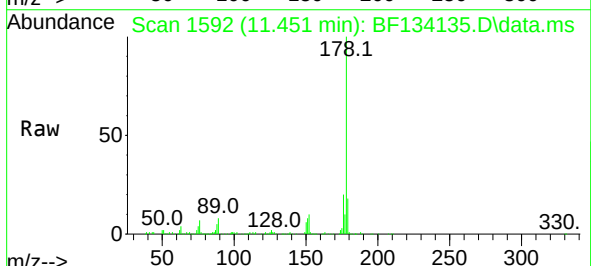
Tgt Ion:178 Resp: 62193

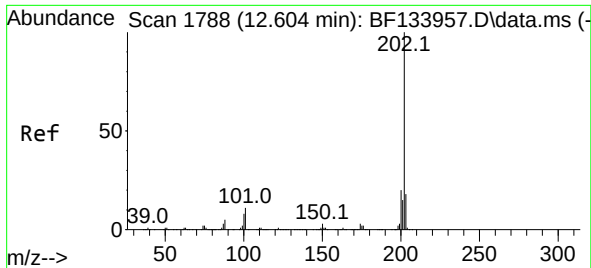
Ion Ratio Lower Upper

178 100

176 19.7 15.3 22.9

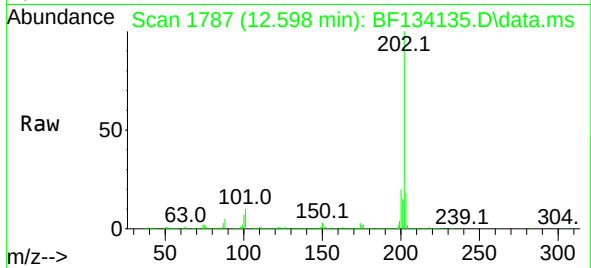
179 17.8 12.4 18.6





#75
Fluoranthene
Concen: 34.769 ng
RT: 12.598 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

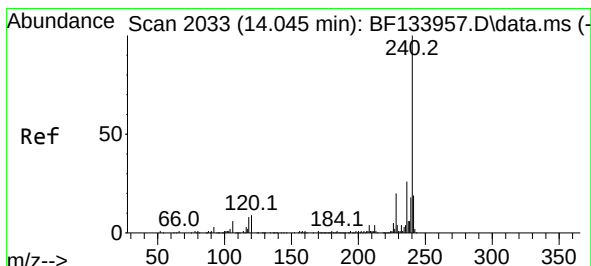
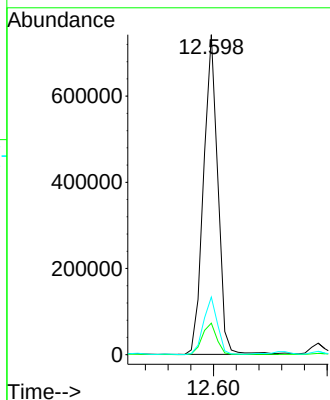
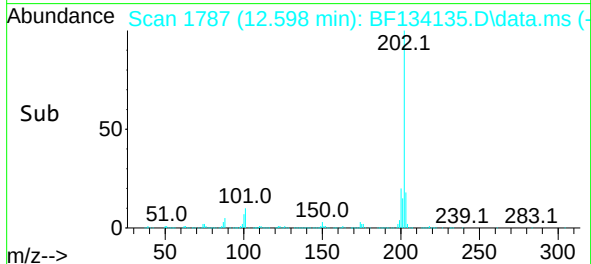
Instrument :
BNA_F
ClientSampleId :
TB-TP1



Tgt Ion:202 Resp: 64703
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.0
203 18.0 0.0 37.6

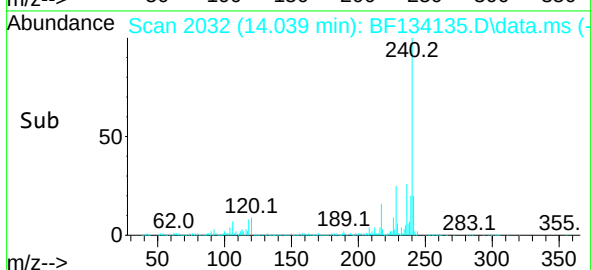
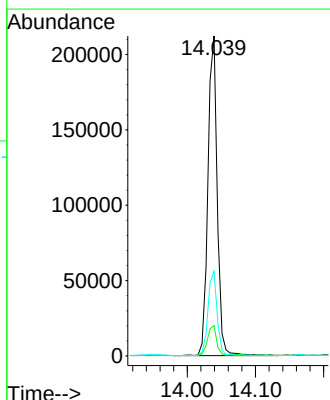
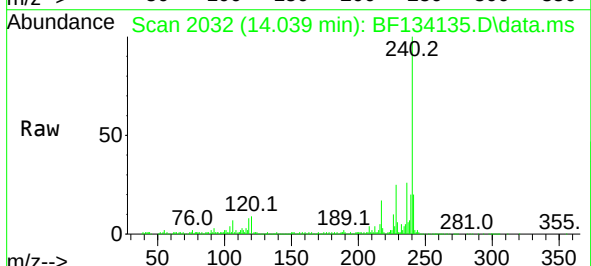
Manual Integrations
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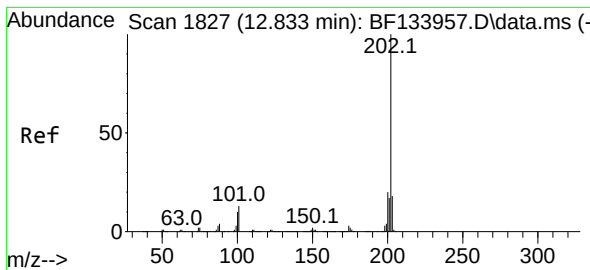
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

Tgt Ion:240 Resp: 201429
Ion Ratio Lower Upper
240 100
120 9.4 7.4 11.0
236 26.5 21.0 31.6





#78

Pyrene

Concen: 36.040 ng

RT: 12.827 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

Instrument :

BNA_F

ClientSampleId :

TB-TP1

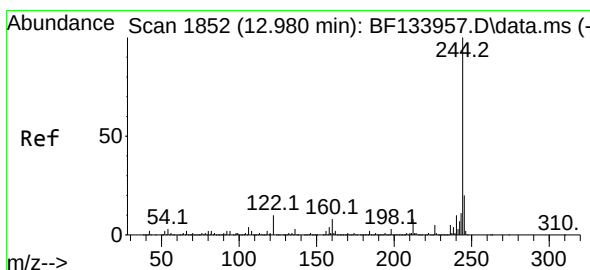
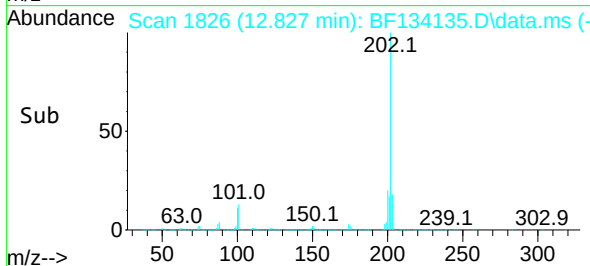
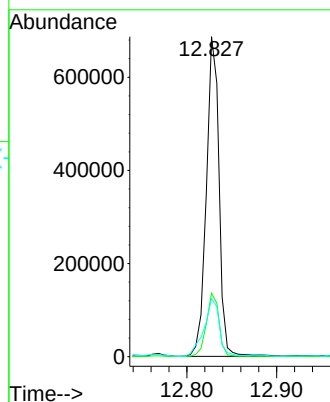
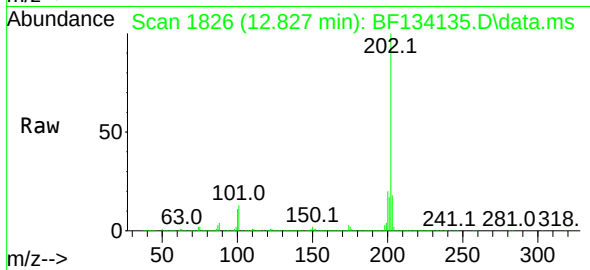
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.9	16.1	24.1
203	18.1	14.3	21.5

Manual Integrations

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Reviewed By :Yogesh Patel 07/07/2023

Supervised By :mohammad ahmed 07/09/2023



#79

Terphenyl-d14

Concen: 75.698 ng

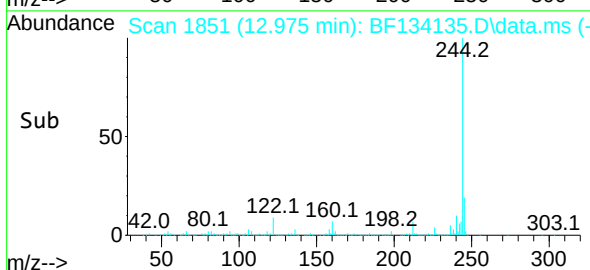
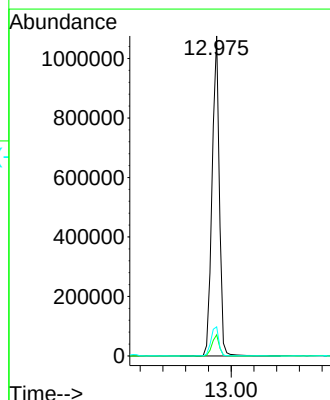
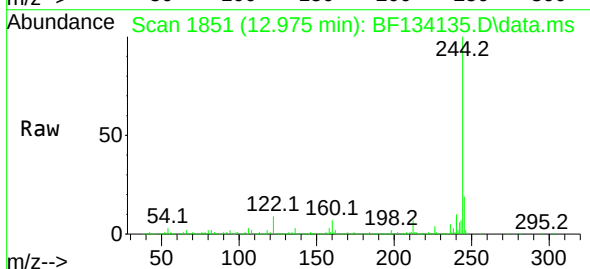
RT: 12.975 min Scan# 1851

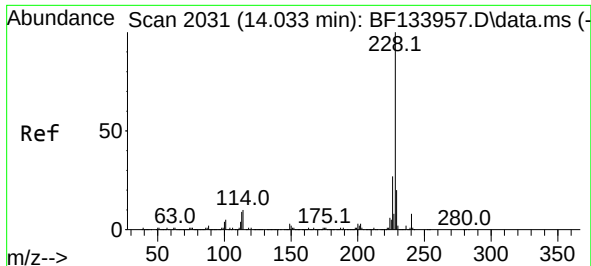
Delta R.T. -0.012 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

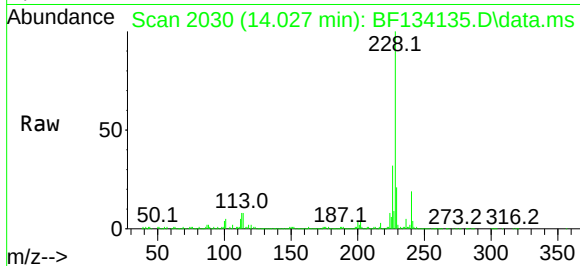
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	6.0	9.0
122	9.1	8.3	12.5





#81
Benzo(a)anthracene
Concen: 22.342 ng
RT: 14.027 min Scan# 2030
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

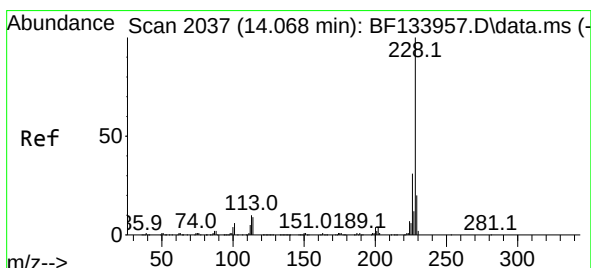
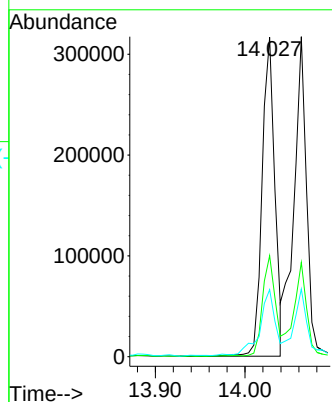
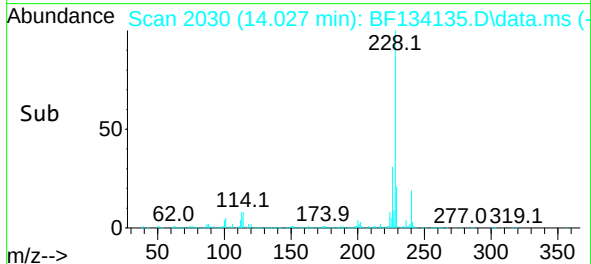
Instrument :
BNA_F
ClientSampleId :
TB-TP1



Tgt Ion:228 Resp: 31210
Ion Ratio Lower Upper
228 100
226 31.6 22.0 33.0
229 21.0 16.3 24.5

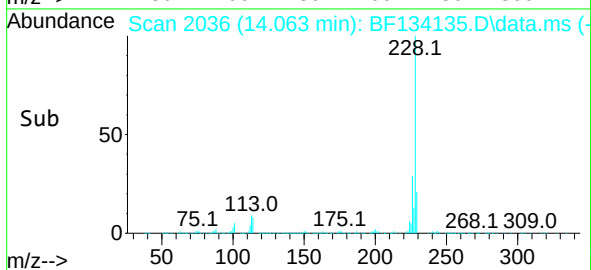
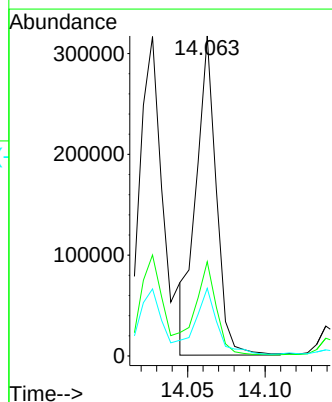
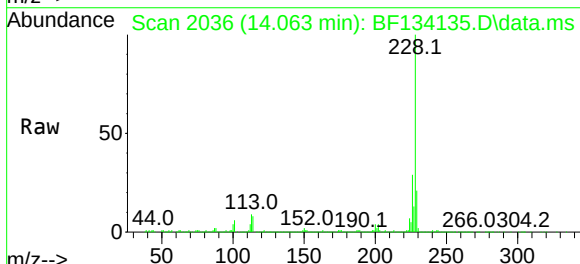
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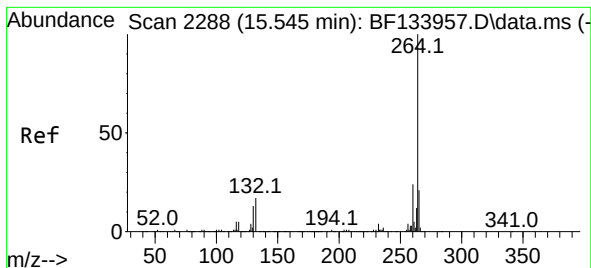
Reviewed By :Yogesh Patel 07/07/2023
Supervised By :mohammad ahmed 07/09/2023



#83
Chrysene
Concen: 21.170 ng
RT: 14.063 min Scan# 2036
Delta R.T. -0.012 min
Lab File: BF134135.D
Acq: 07 Jul 2023 13:31

Tgt Ion:228 Resp: 286438
Ion Ratio Lower Upper
228 100
226 29.5 24.4 36.6
229 21.1 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21410

Delta R.T. -0.012 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

Instrument :

BNA_F

ClientSampleId :

TB-TP1

Tgt Ion:264 Resp: 21410

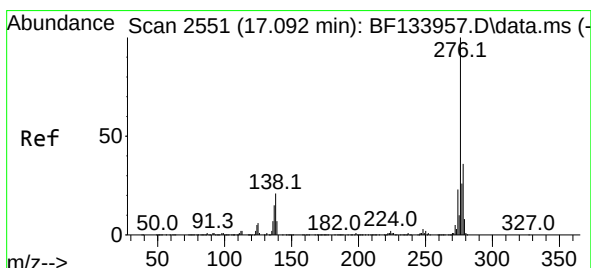
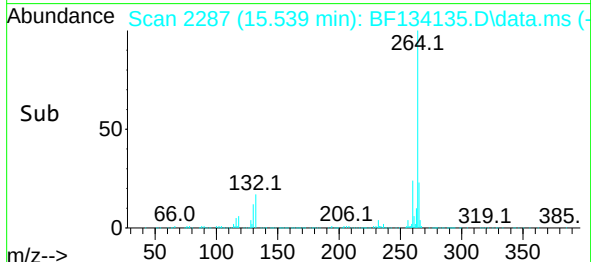
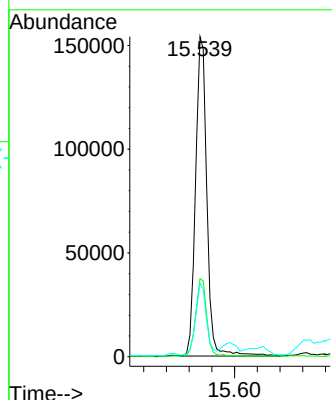
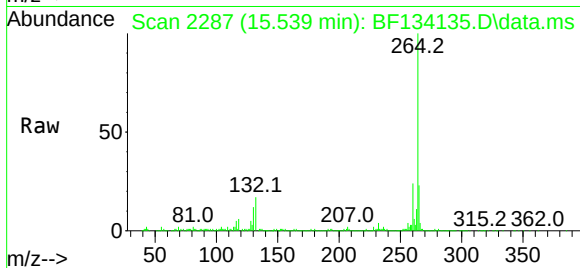
Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	22.9	16.6	25.0

Manual Integrations

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Reviewed By :Yogesh Patel 07/07/2023

Supervised By :mohammad ahmed 07/09/2023



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.552 ng

RT: 17.080 min Scan# 2549

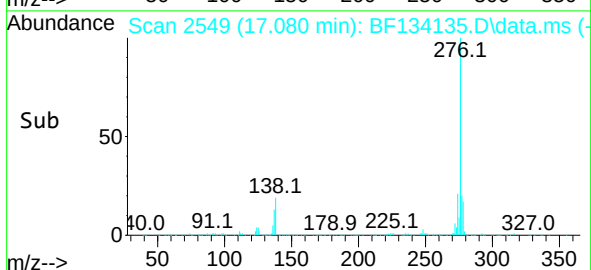
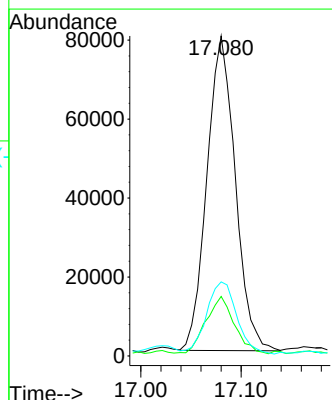
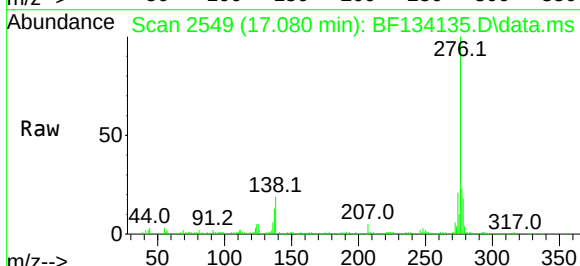
Delta R.T. -0.029 min

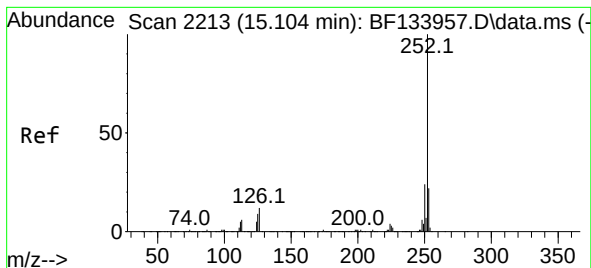
Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

Tgt Ion:276 Resp: 156773

Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.7	28.1
277	24.5	19.9	29.9





#88

Benzo(b)fluoranthene

Concen: 34.788 ng m

RT: 15.098 min Scan# 2212

Delta R.T. -0.012 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

Instrument :

BNA_F

ClientSampleId :

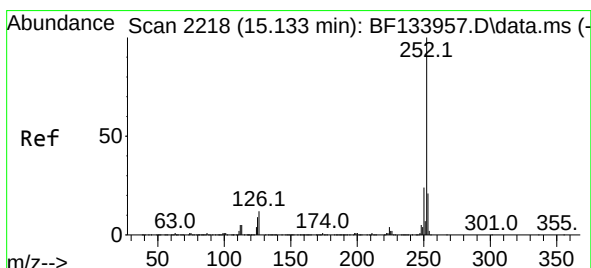
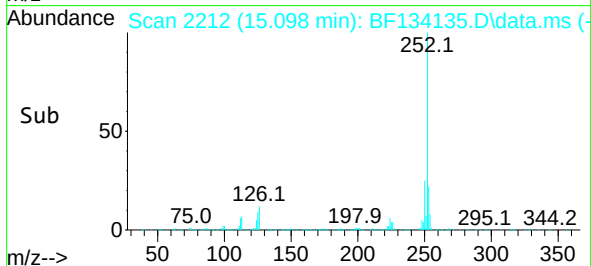
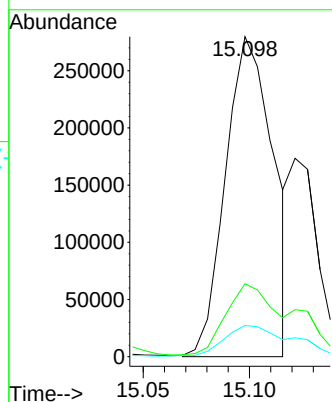
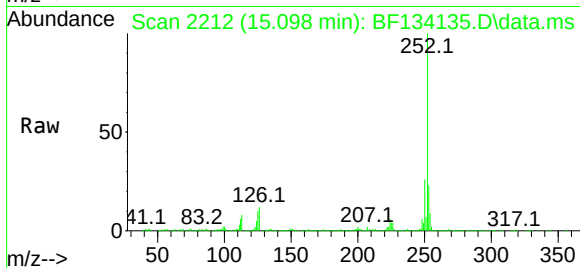
TB-TP1

Tgt Ion:252 Resp: 437952
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.4 26.0
 125 9.7 7.1 10.7

Manual Integrations

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Reviewed By :Yogesh Patel 07/07/2023
 Supervised By :mohammad ahmed 07/09/2023



#89

Benzo(k)fluoranthene

Concen: 12.755 ng m

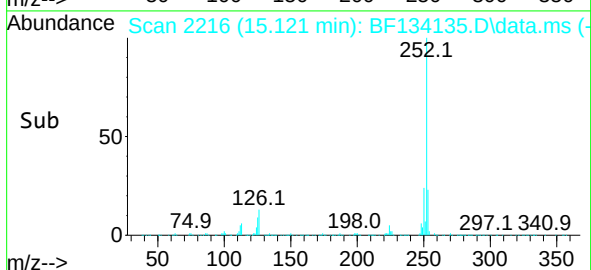
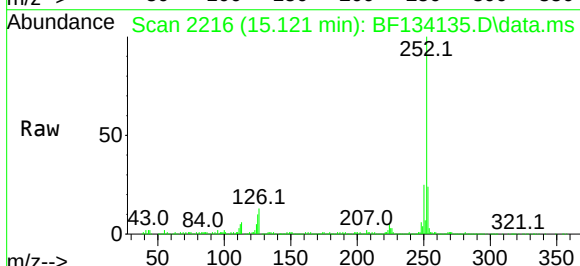
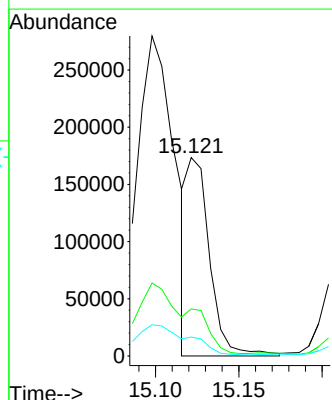
RT: 15.121 min Scan# 2216

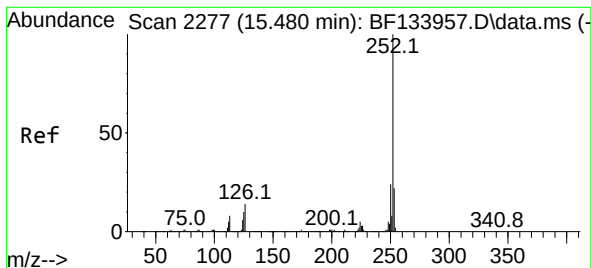
Delta R.T. -0.018 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

Tgt Ion:252 Resp: 163494
 Ion Ratio Lower Upper
 252 100
 253 23.7 16.9 25.3
 125 9.5 7.4 11.2





#90

Benzo(a)pyrene

Concen: 22.856 ng

RT: 15.474 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

Instrument :

BNA_F

ClientSampleId :

TB-TP1

Tgt Ion:252 Resp: 278239

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

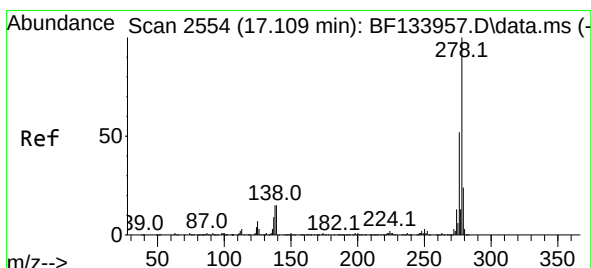
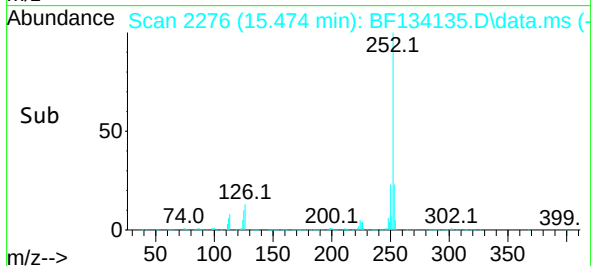
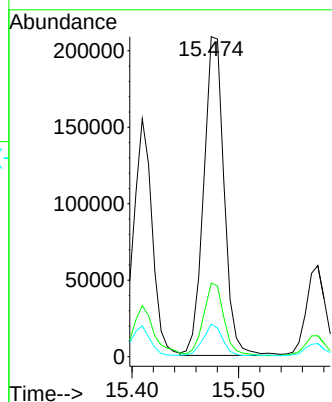
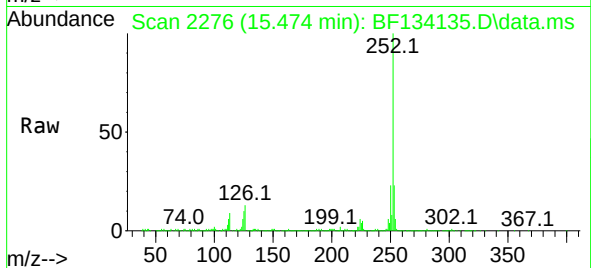
125 10.2 8.4 12.6

Manual Integrations

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Reviewed By :Yogesh Patel 07/07/2023

Supervised By :mohammad ahmed 07/09/2023



#91

Dibenzo(a,h)anthracene

Concen: 3.138 ng

RT: 17.092 min Scan# 2551

Delta R.T. -0.035 min

Lab File: BF134135.D

Acq: 07 Jul 2023 13:31

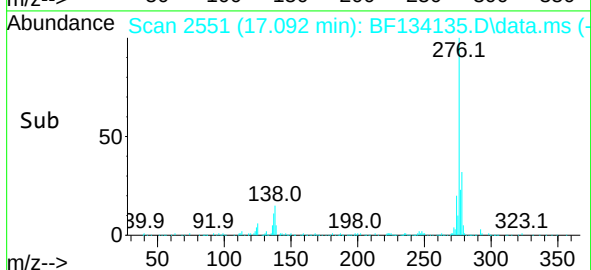
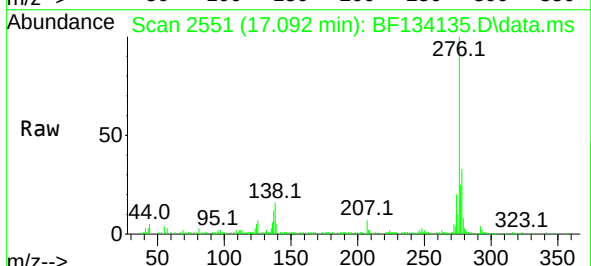
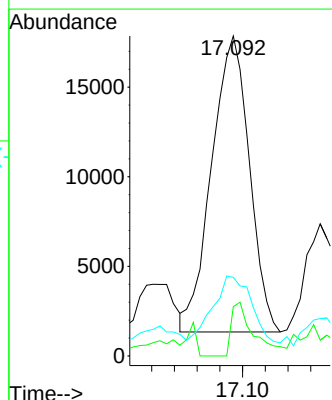
Tgt Ion:278 Resp: 38076

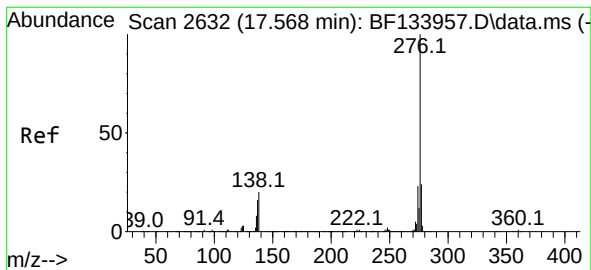
Ion Ratio Lower Upper

278 100

139 15.4 12.2 18.4

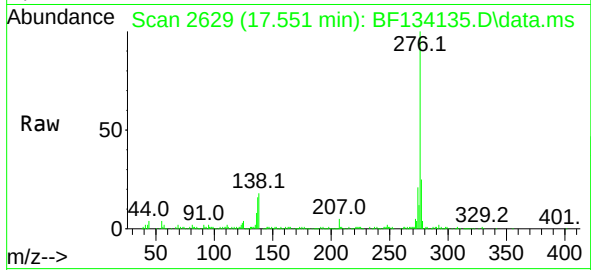
279 24.6 19.4 29.2





#92
 Benzo(g,h,i)perylene
 Concen: 11.652 ng
 RT: 17.551 min Scan# 20
 Delta R.T. -0.029 min
 Lab File: BF134135.D
 Acq: 07 Jul 2023 13:31

Instrument :
 BNA_F
 ClientSampleId :
 TB-TP1



Tgt Ion:276 Resp: 145800
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.0 28.6
 138 18.5 16.2 24.2

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/07/2023
 Supervised By :mohammad ahmed 07/09/2023

