

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
 Data File : BF135965.D
 Acq On : 26 Oct 2023 16:04
 Operator : CG\JU
 Sample : 05039-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MMFB-4

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023

Quant Time: Oct 26 16:26:42 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 26 03:58:01 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	160394	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	628793	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	301485	20.000	ng	0.00
64) Phenanthrene-d10	11.351	188	457893	20.000	ng	0.00
76) Chrysene-d12	14.004	240	321722	20.000	ng	0.00
86) Perylene-d12	15.492	264	338037	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	1143470	110.086	ng	0.00
7) Phenol-d6	6.457	99	1427302	110.374	ng	0.00
23) Nitrobenzene-d5	7.386	82	820036	84.307	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	300970	114.052	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	1510874	80.246	ng	0.00
79) Terphenyl-d14	12.951	244	1241950	64.497	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.122	128	74495	2.450	ng	98
71) Phenanthrene	11.374	178	141599	6.112	ng	98
75) Fluoranthene	12.568	202	137954	5.660	ng	98
78) Pyrene	12.798	202	196138	7.261	ng	98
81) Benzo(a)anthracene	13.992	228	100599m	4.599	ng	
83) Chrysene	14.027	228	92898	4.360	ng	98
88) Benzo(b)fluoranthene	15.051	252	102295m	5.085	ng	
90) Benzo(a)pyrene	15.421	252	86876	4.686	ng	# 95
92) Benzo(g,h,i)perylene	17.439	276	36857	5.580	ng	# 88

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

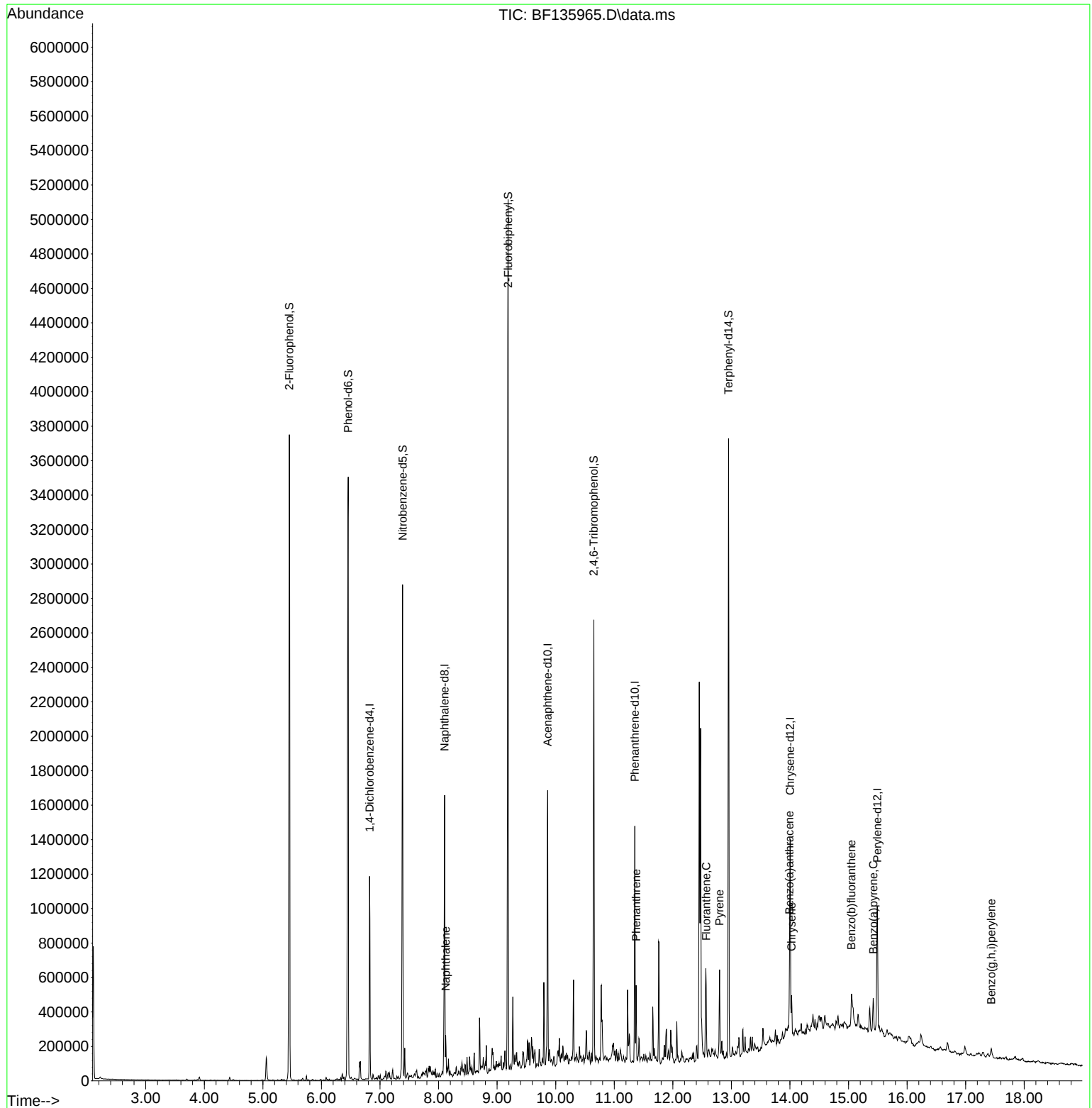
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102623\
Data File : BF135965.D
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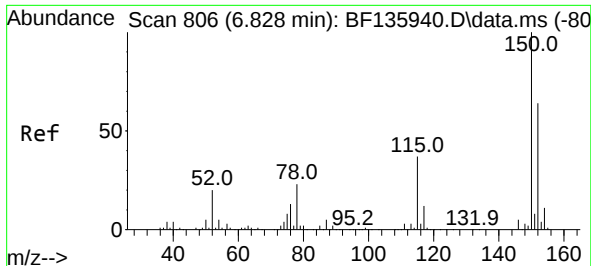
Instrument :
BNA_F
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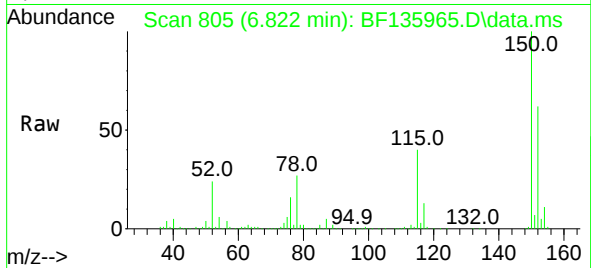
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 806
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

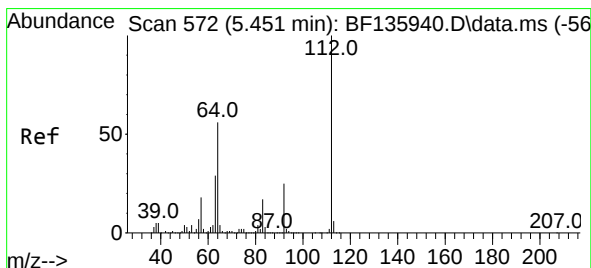
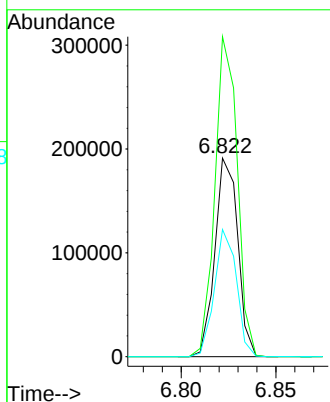
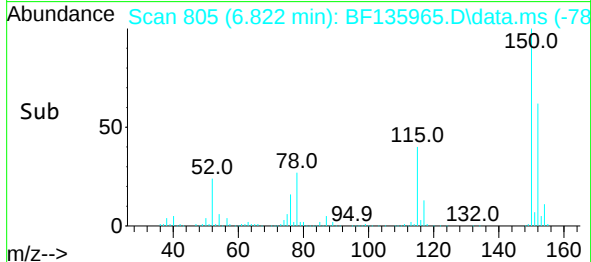
Instrument :
BNA_F
ClientSampleId :
MMFB-4



Tgt Ion:152 Resp: 160394
Ion Ratio Lower Upper
152 100
150 161.1 124.6 186.8
115 64.0 46.6 69.8

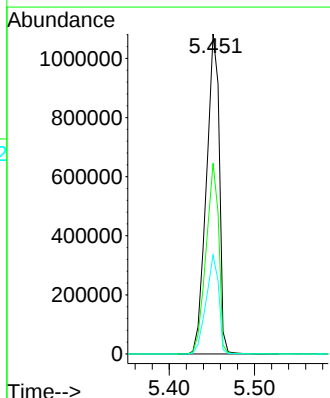
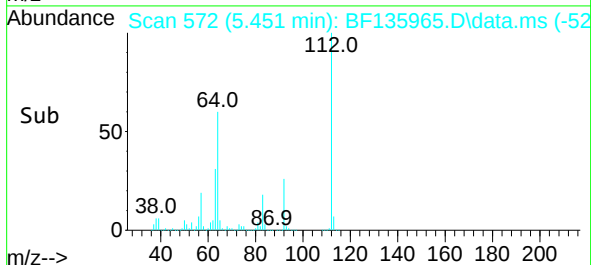
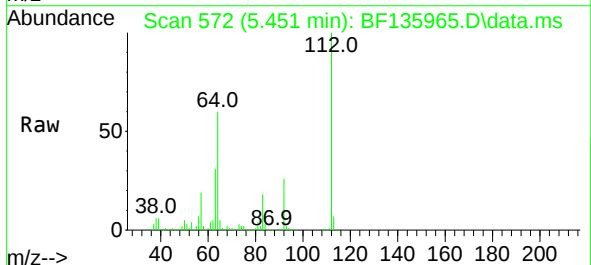
Manual Integrations
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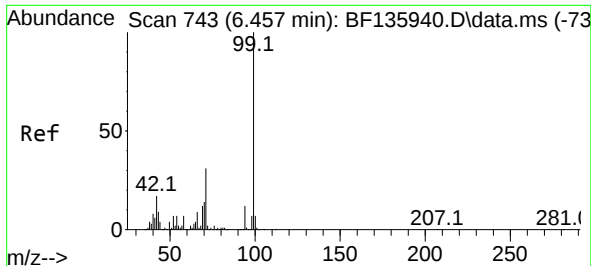
Reviewed By :Yogesh Patel 10/27/2023
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#5
2-Fluorophenol
Concen: 110.086 ng
RT: 5.451 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

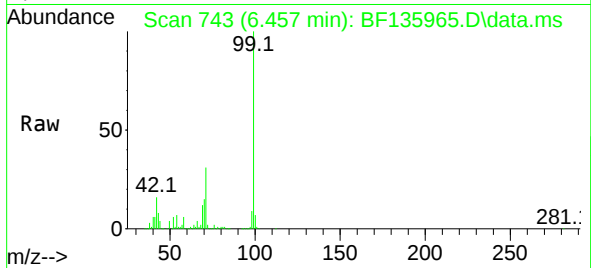
Tgt Ion:112 Resp: 1143470
Ion Ratio Lower Upper
112 100
64 59.6 45.1 67.7
63 30.9 23.0 34.4





#7
Phenol-d6
Concen: 110.374 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

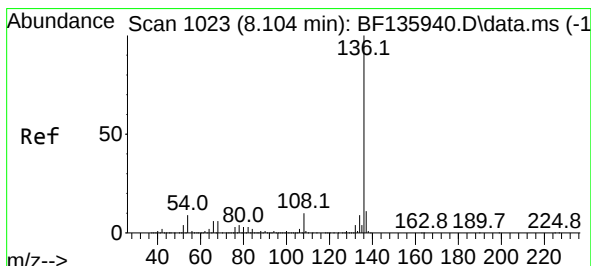
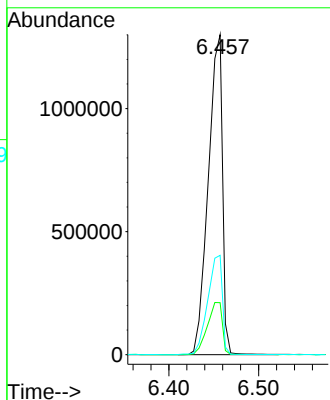
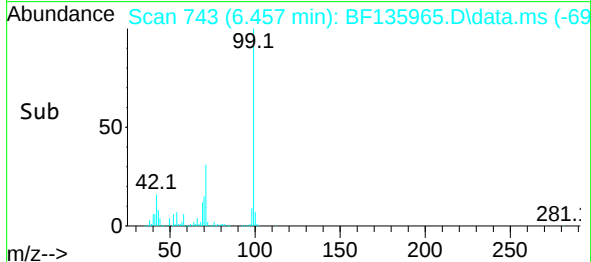
Instrument :
BNA_F
ClientSampleId :
MMFB-4



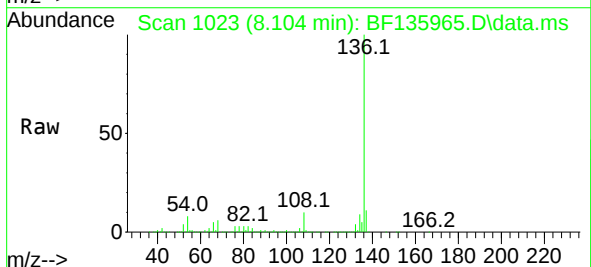
Tgt Ion: 99 Resp: 1427302
Ion Ratio Lower Upper
99 100
42 16.3 13.8 20.8
71 31.1 25.1 37.7

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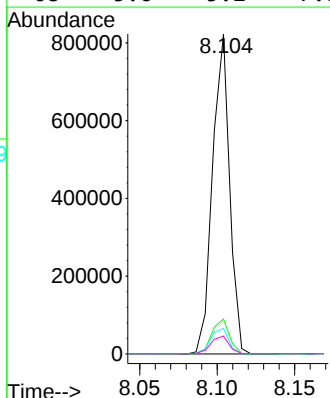
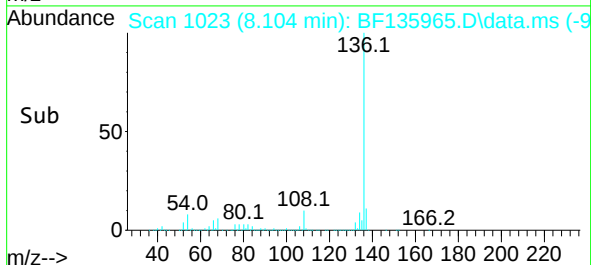
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

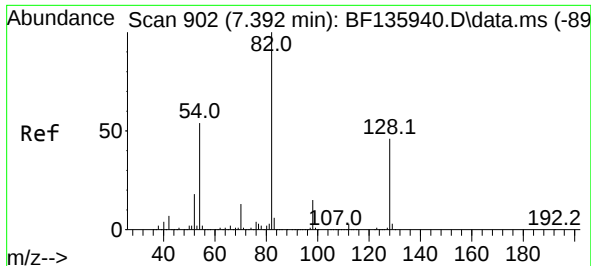


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04



Tgt Ion:136 Resp: 628793
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.6
54 7.9 7.1 10.7
68 5.6 5.2 7.8





#23

Nitrobenzene-d5

Concen: 84.307 ng

RT: 7.386 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

Tgt Ion: 82 Resp: 820030

Ion Ratio Lower Upper

82 100

128 46.3 36.8 55.2

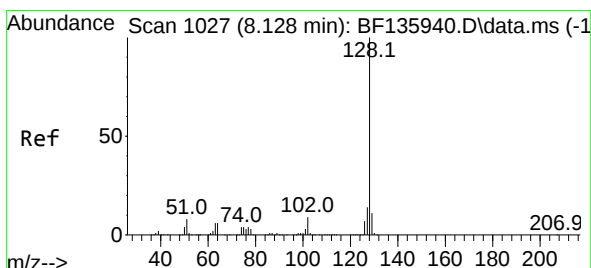
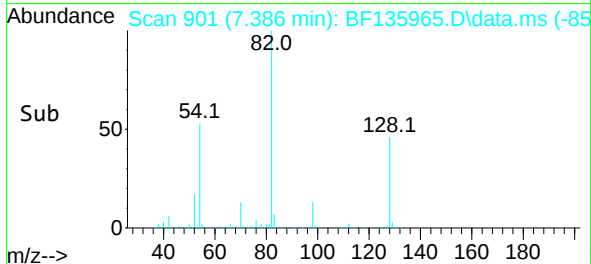
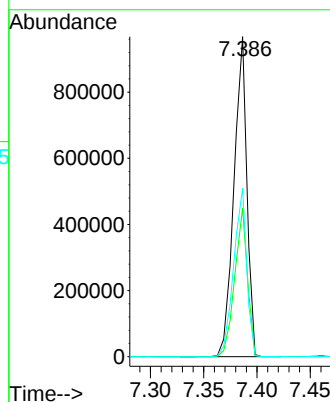
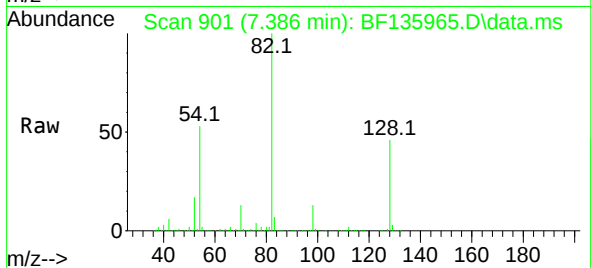
54 52.6 43.4 65.0

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#31

Naphthalene

Concen: 2.450 ng

RT: 8.122 min Scan# 1026

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

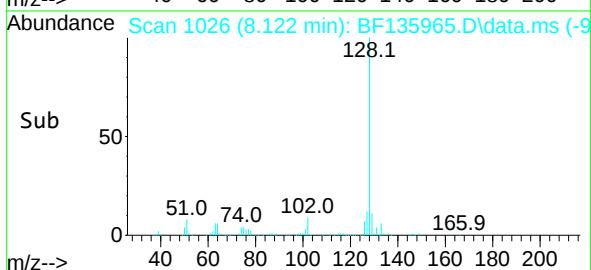
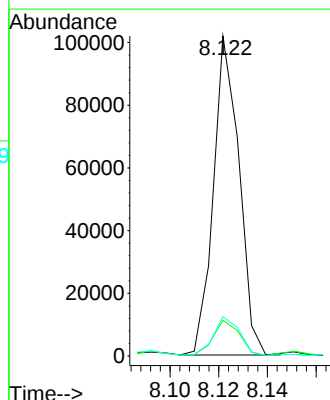
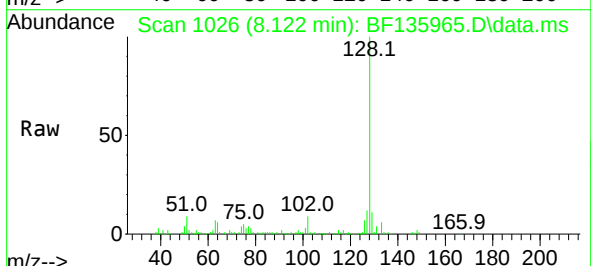
Tgt Ion:128 Resp: 74495

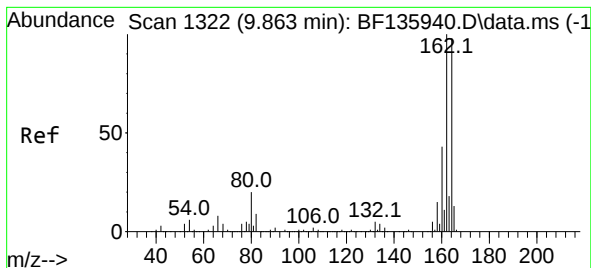
Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.6

127 12.3 10.9 16.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.863 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF135965.D

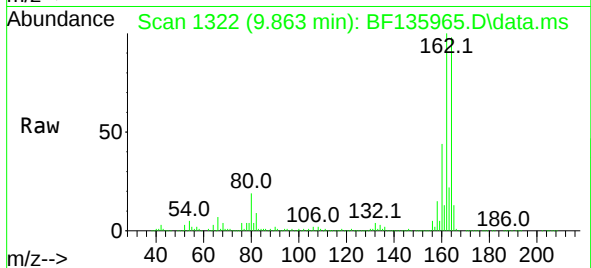
Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4



Tgt Ion:164 Resp: 30148

Ion Ratio Lower Upper

164 100

162 101.9 82.0 123.0

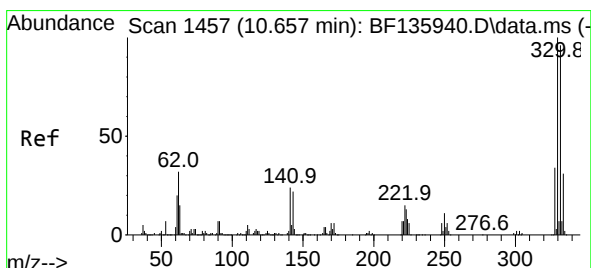
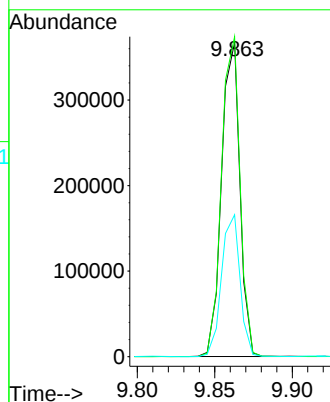
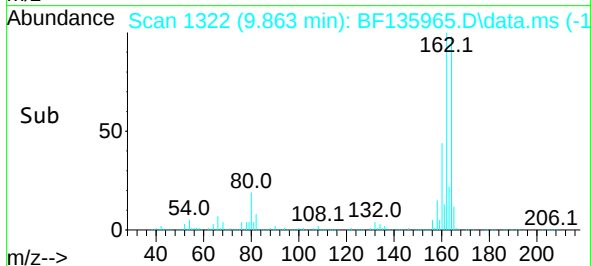
160 45.2 35.6 53.4

Manual Integrations

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Supervised By :mohammad ahmed 10/27/2023



#42

2,4,6-Tribromophenol

Concen: 114.052 ng

RT: 10.651 min Scan# 1456

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

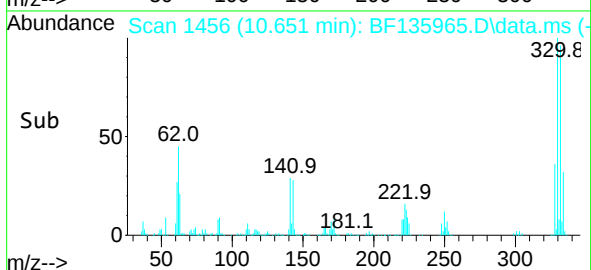
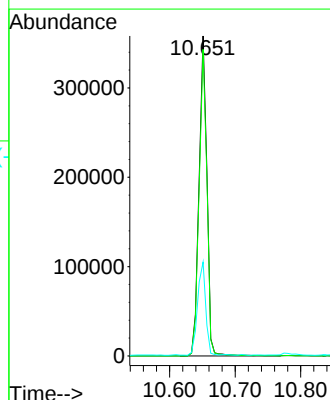
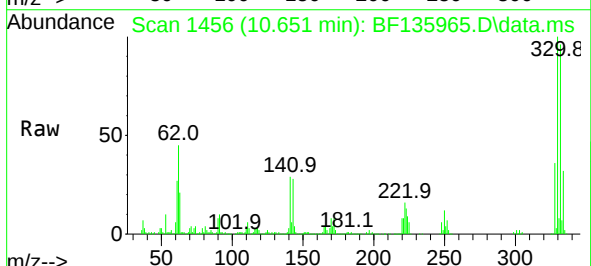
Tgt Ion:330 Resp: 300970

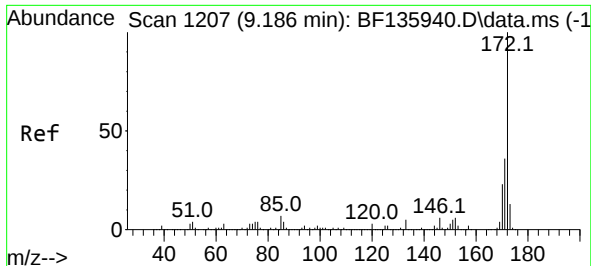
Ion Ratio Lower Upper

330 100

332 95.1 77.4 116.2

141 29.7 24.9 37.3





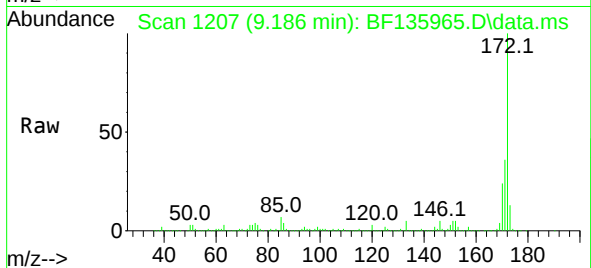
#45
2-Fluorobiphenyl
Concen: 80.246 ng
RT: 9.186 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4



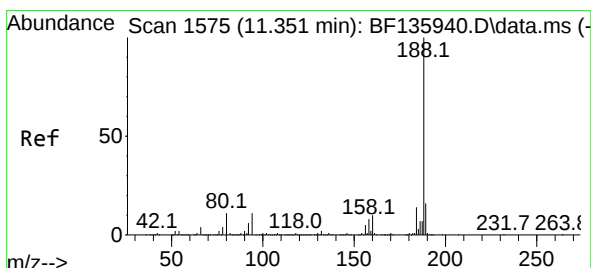
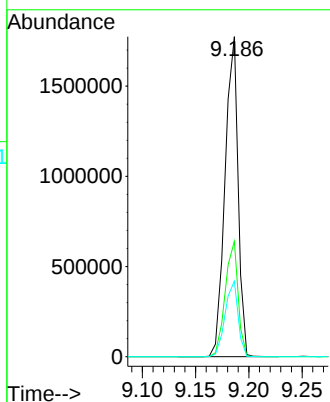
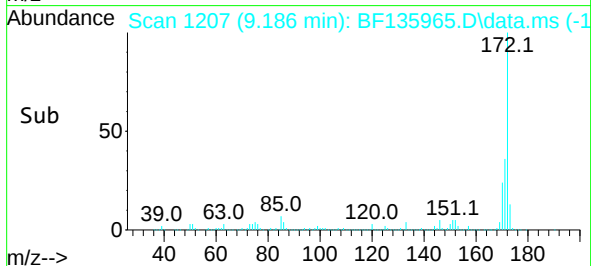
Tgt Ion:172 Resp: 1510874
Ion Ratio Lower Upper
172 100
171 36.0 28.6 43.0
170 23.6 18.6 28.0

Manual Integrations

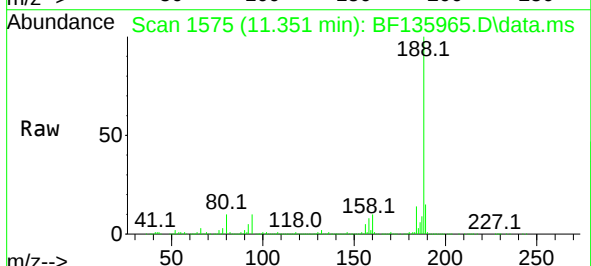
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Reviewed By :Yogesh Patel 10/27/2023

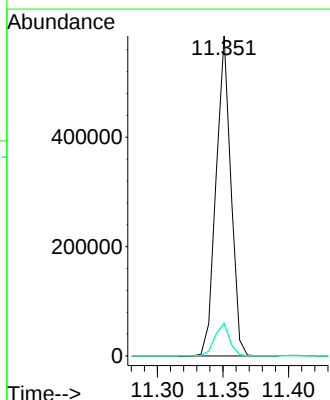
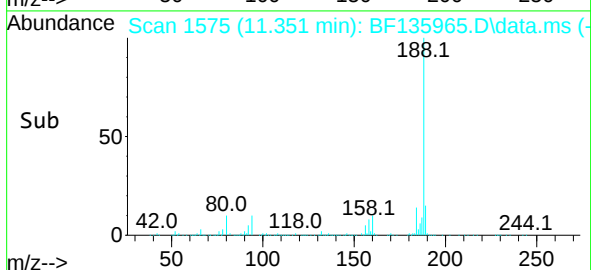
Supervised By :mohammad ahmed 10/27/2023

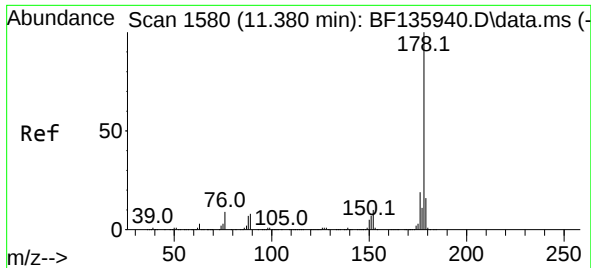


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04



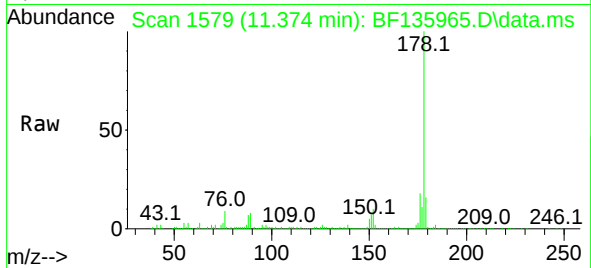
Tgt Ion:188 Resp: 457893
Ion Ratio Lower Upper
188 100
94 10.1 8.6 13.0
80 10.3 9.0 13.6





#71
Phenanthrene
Concen: 6.112 ng
RT: 11.374 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

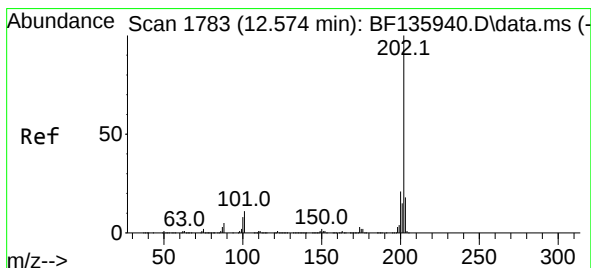
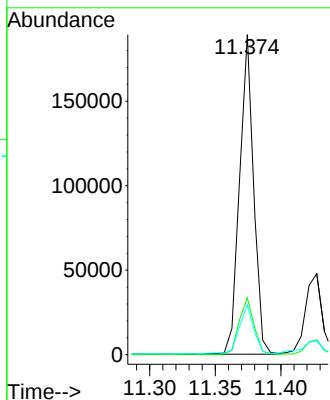
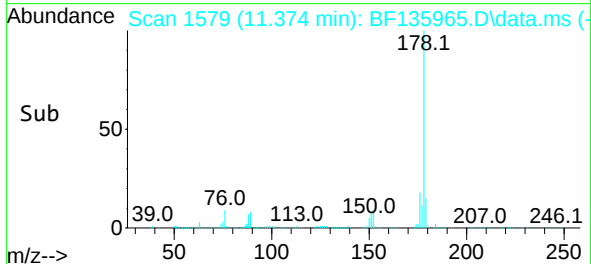
Instrument :
BNA_F
ClientSampleId :
MMFB-4



Tgt Ion:178 Resp: 141599
Ion Ratio Lower Upper
178 100
176 17.8 15.4 23.2
179 15.6 12.5 18.7

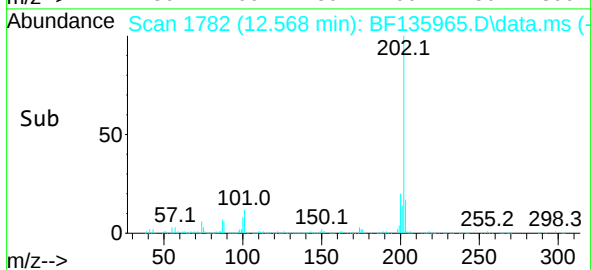
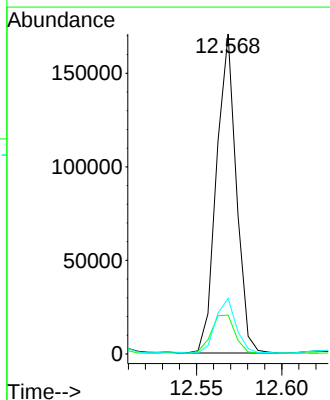
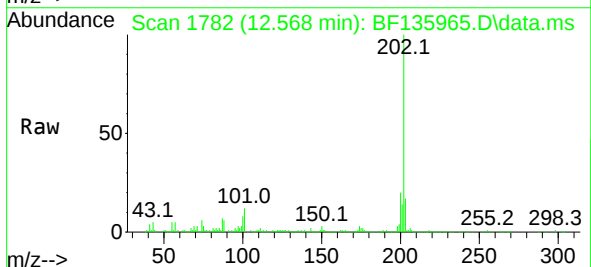
Manual Integrations
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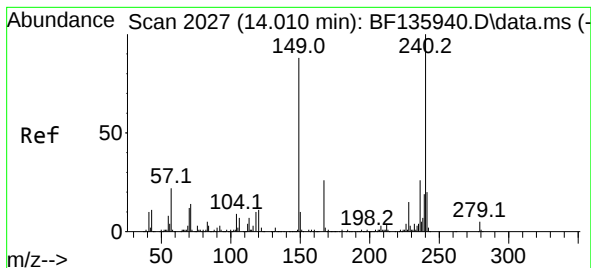
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#75
Fluoranthene
Concen: 5.660 ng
RT: 12.568 min Scan# 1782
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Tgt Ion:202 Resp: 137954
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.6
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.004 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

Tgt Ion:240 Resp: 32172

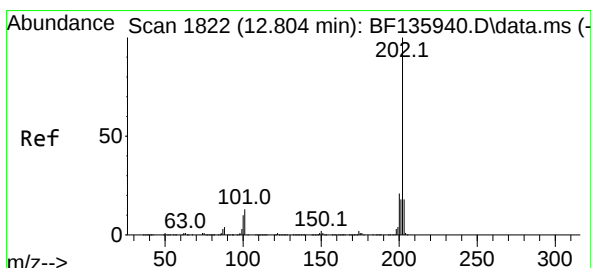
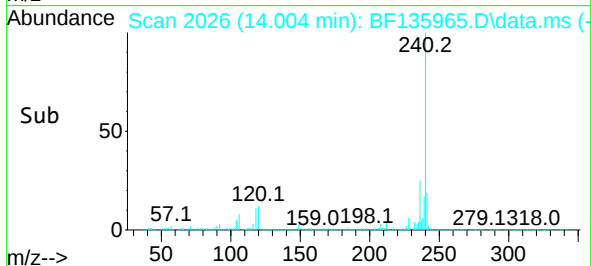
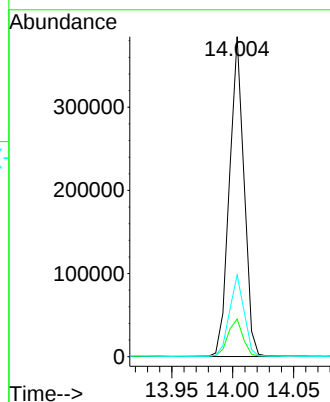
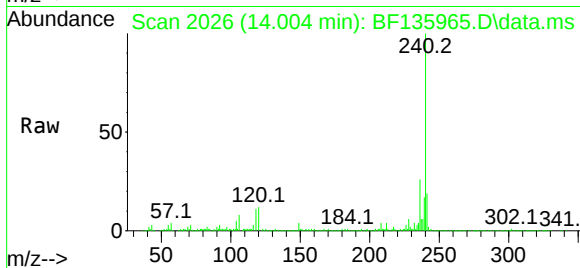
Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.6	13.0
236	25.5	20.6	30.8

Manual Integrations

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#78

Pyrene

Concen: 7.261 ng

RT: 12.798 min Scan# 1821

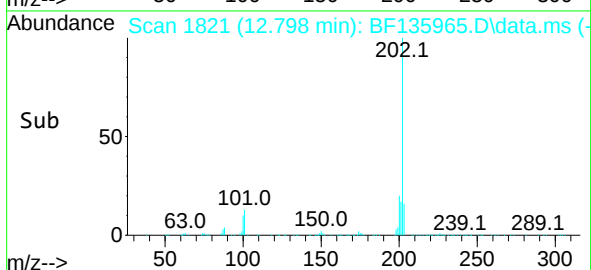
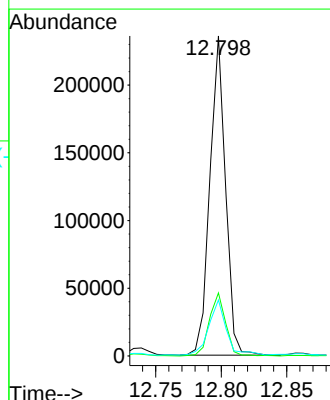
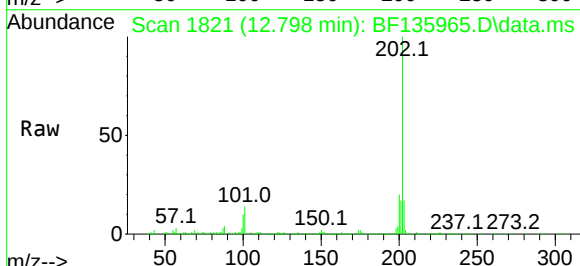
Delta R.T. -0.006 min

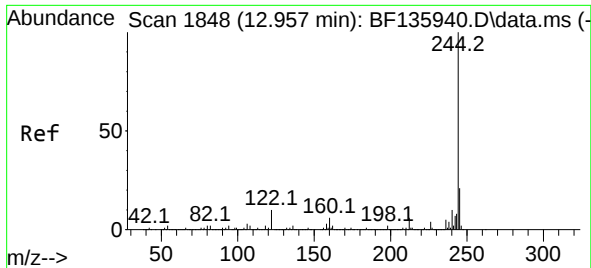
Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Tgt Ion:202 Resp: 196138

Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.0	25.6
203	17.5	14.5	21.7





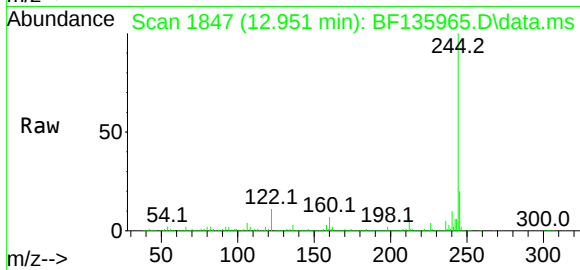
#79
 Terphenyl-d14
 Concen: 64.497 ng
 RT: 12.951 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF135965.D
 Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

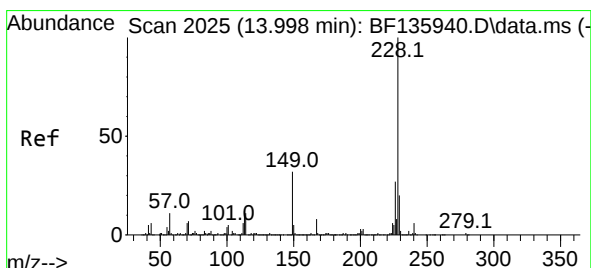
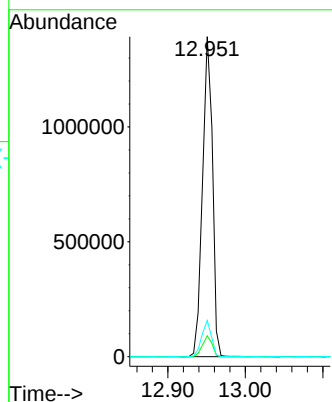
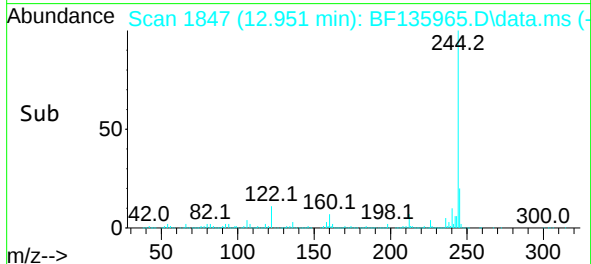


Tgt Ion:244 Resp: 1241950
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.0 7.6
 122 11.3 8.0 12.0

Manual Integrations

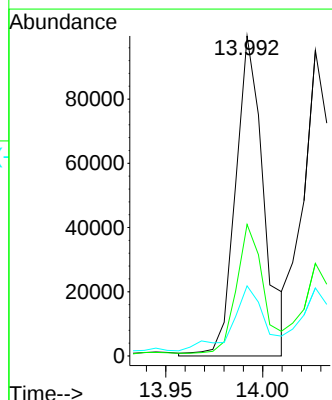
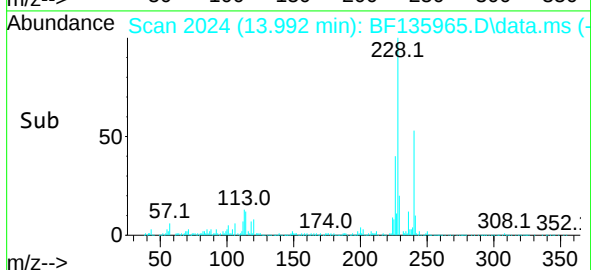
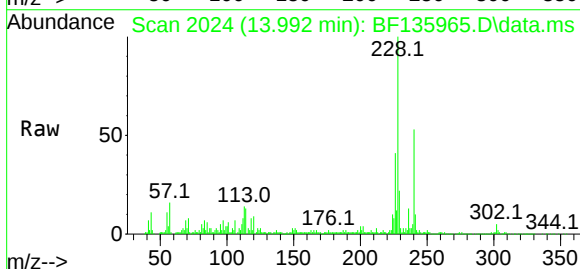
APPROVED

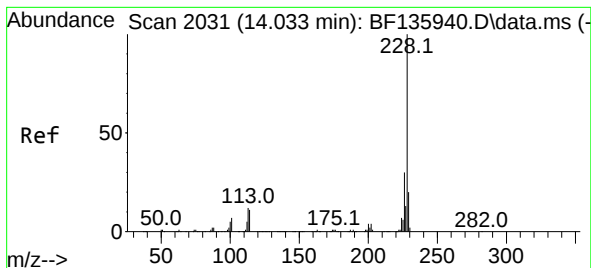
Reviewed By :Yogesh Patel 10/27/2023
 Supervised By :mohammad ahmed 10/27/2023



#81
 Benzo(a)anthracene
 Concen: 4.599 ng m
 RT: 13.992 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: BF135965.D
 Acq: 26 Oct 2023 16:04

Tgt Ion:228 Resp: 100599
 Ion Ratio Lower Upper
 228 100
 226 41.1 21.8 32.6#
 229 21.9 16.2 24.4





#83

Chrysene

Concen: 4.360 ng

RT: 14.027 min Scan# 2031

Delta R.T. -0.006 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

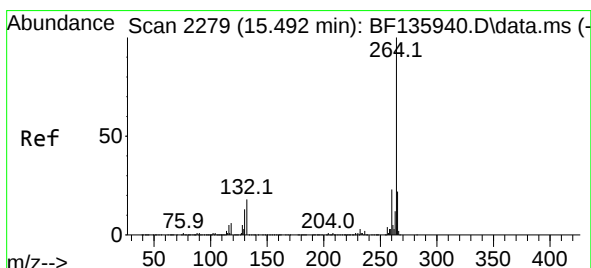
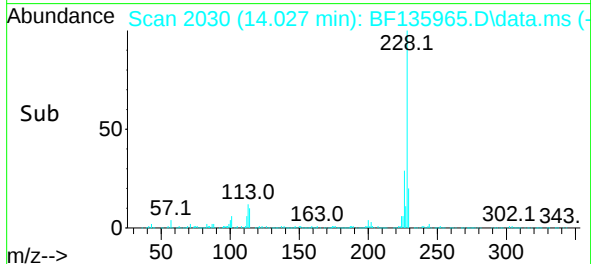
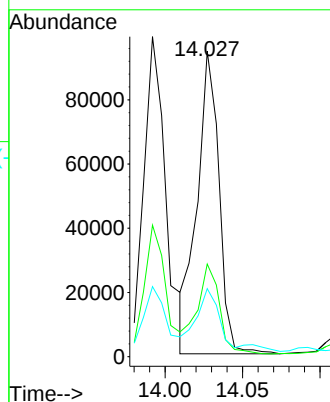
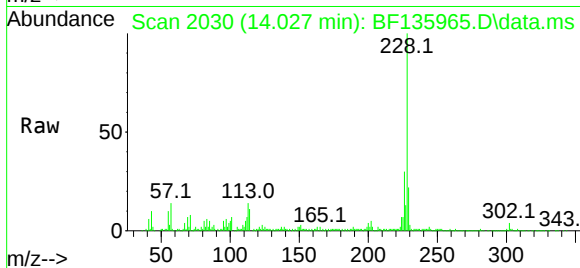
Tgt Ion:228 Resp: 92898
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.9 35.9
 229 22.2 16.2 24.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/27/2023

Supervised By :mohammad ahmed 10/27/2023



#86

Perylene-d12

Concen: 20.000 ng

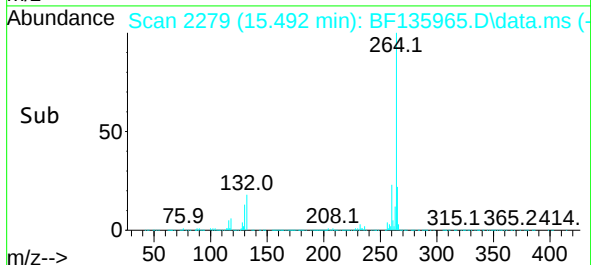
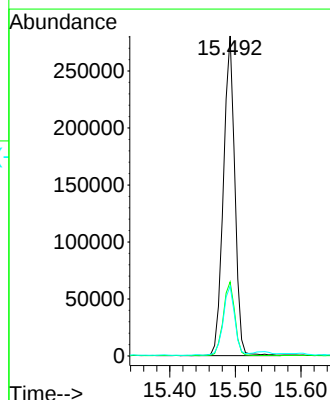
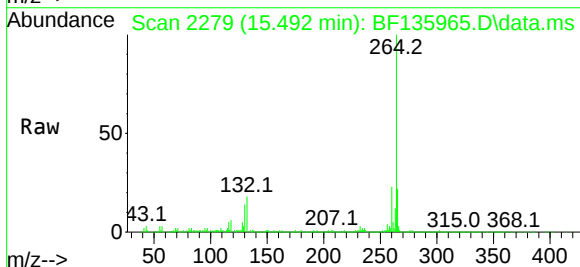
RT: 15.492 min Scan# 2279

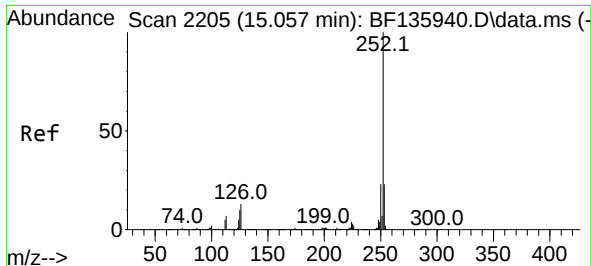
Delta R.T. -0.000 min

Lab File: BF135965.D

Acq: 26 Oct 2023 16:04

Tgt Ion:264 Resp: 338037
 Ion Ratio Lower Upper
 264 100
 260 23.1 18.6 28.0
 265 21.8 17.3 25.9





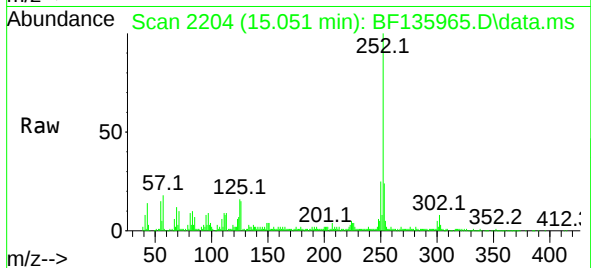
#88
Benzo(b)fluoranthene
Concen: 5.085 ng m
RT: 15.051 min Scan# 2205
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Instrument :

BNA_F

ClientSampleId :

MMFB-4

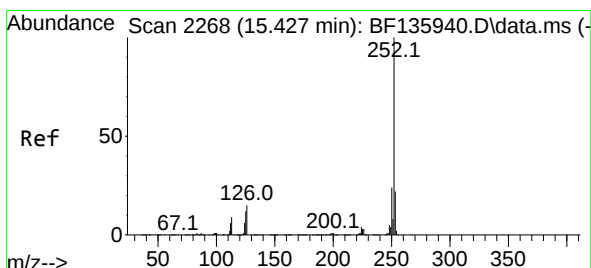
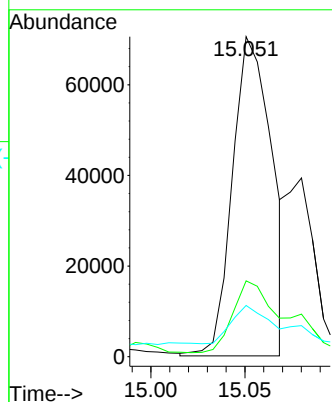
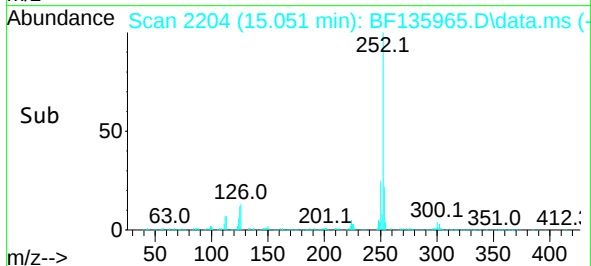


Tgt Ion:252 Resp: 102295
Ion Ratio Lower Upper
252 100
253 23.7 18.0 27.0
125 16.0 8.2 12.4

Manual Integrations

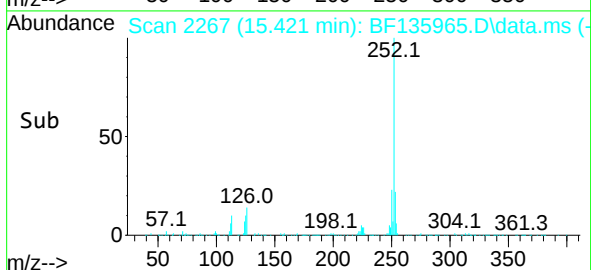
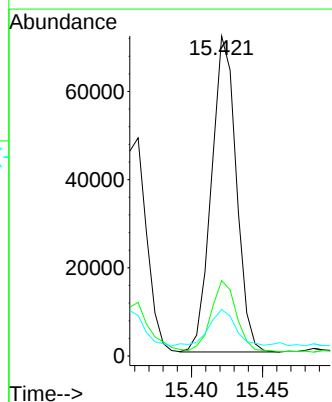
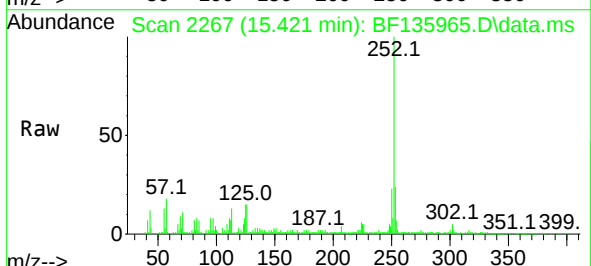
APPROVED

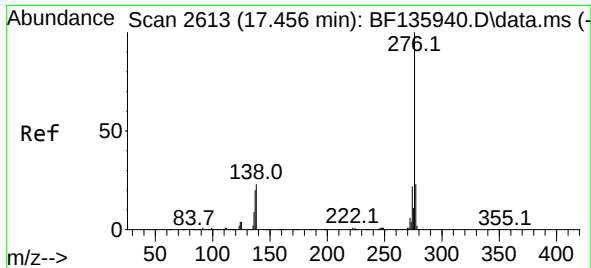
Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023



#90
Benzo(a)pyrene
Concen: 4.686 ng
RT: 15.421 min Scan# 2267
Delta R.T. -0.006 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

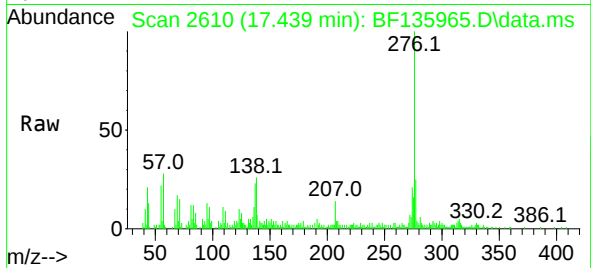
Tgt Ion:252 Resp: 86876
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.2
125 14.5 9.6 14.4





#92
Benzo(g,h,i)perylene
Concen: 5.580 ng
RT: 17.439 min Scan# 20
Delta R.T. -0.017 min
Lab File: BF135965.D
Acq: 26 Oct 2023 16:04

Instrument :
BNA_F
ClientSampleId :
MMFB-4



Tgt Ion:276 Resp: 3685
Ion Ratio Lower Upper
276 100
277 25.4 18.6 28.0
138 32.7 18.4 27.6

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/27/2023
Supervised By :mohammad ahmed 10/27/2023

