

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030824\
 Data File : BF137547.D
 Acq On : 08 Mar 2024 17:10
 Operator : CG\JU
 Sample : P1705-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 08 22:18:36 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 08 22:10:14 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 03/09/2024
 Supervised By :mohammad ahmed 03/09/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	224611	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	864593	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	454913	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	688233	20.000	ng	0.00
76) Chrysene-d12	14.080	240	425435	20.000	ng	0.00
86) Perylene-d12	15.633	264	466018	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	1186069	79.976	ng	0.01
7) Phenol-d6	6.534	99	1638177	76.525	ng	0.00
23) Nitrobenzene-d5	7.451	82	984440	52.905	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	300657	75.260	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	1447341	49.803	ng	0.00
79) Terphenyl-d14	13.021	244	1072938	34.680	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.780	152	154451	3.802	ng	99
71) Phenanthrene	11.439	178	407599	10.882	ng	99
75) Fluoranthene	12.639	202	706442	19.296	ng	99
78) Pyrene	12.868	202	1219469	29.212	ng	99
81) Benzo(a)anthracene	14.074	228	627599m	21.047	ng	
83) Chrysene	14.110	228	677954	22.496	ng	98
87) Indeno(1,2,3-cd)pyrene	17.245	276	181847	5.930	ng	97
88) Benzo(b)fluoranthene	15.168	252	568394m	20.619	ng	
89) Benzo(k)fluoranthene	15.198	252	208469m	7.041	ng	
90) Benzo(a)pyrene	15.562	252	557242	20.513	ng	99
91) Dibenzo(a,h)anthracene	17.268	278	59241	2.381	ng	# 91
92) Benzo(g,h,i)perylene	17.739	276	241658	9.459	ng	98

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

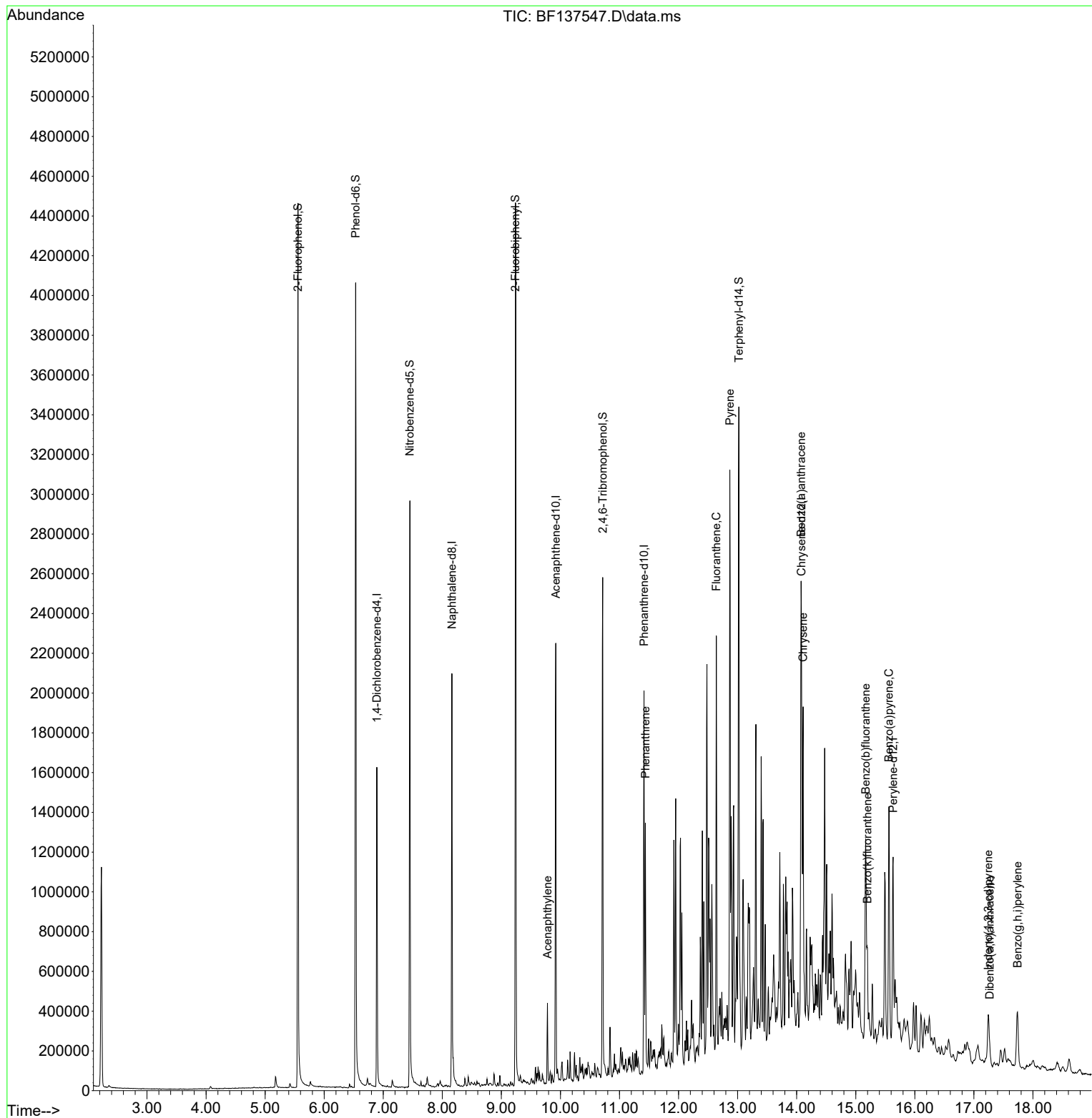
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030824\
Data File : BF137547.D
Acq On : 08 Mar 2024 17:10
Operator : CG\JU
Sample : P1705-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

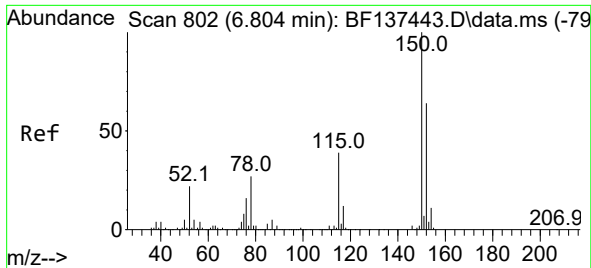
Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Mar 08 22:18:36 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
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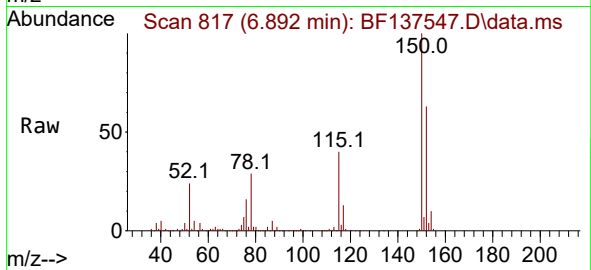
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.005 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

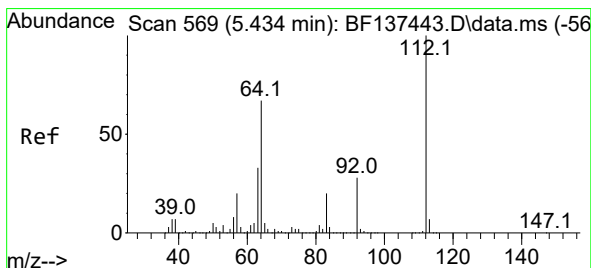
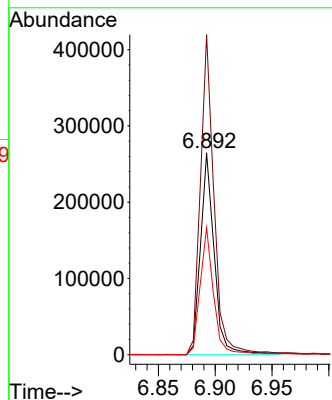
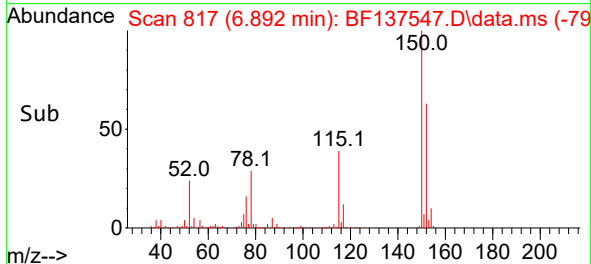
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 22461
Ion Ratio Lower Upper
152 100
150 158.5 125.8 188.6
115 62.9 48.8 73.2

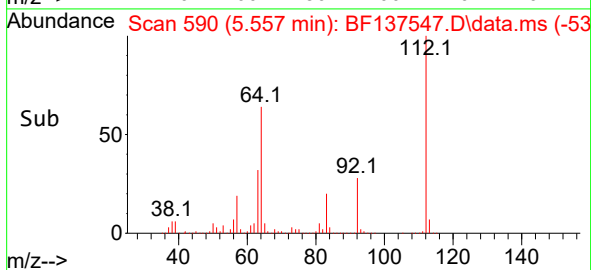
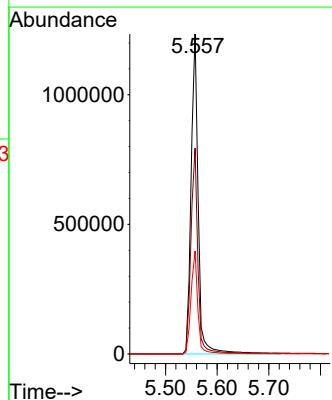
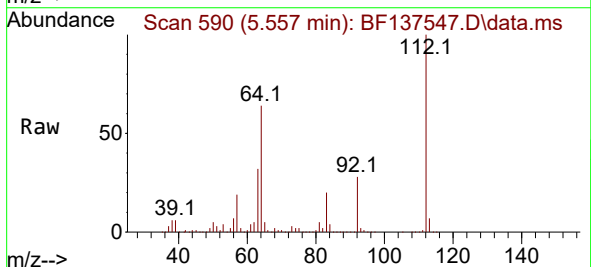
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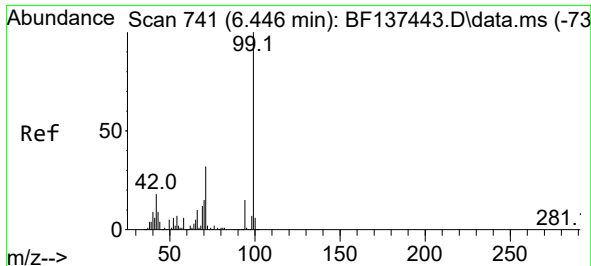
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024



#5
2-Fluorophenol
Concen: 79.976 ng
RT: 5.557 min Scan# 590
Delta R.T. 0.012 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

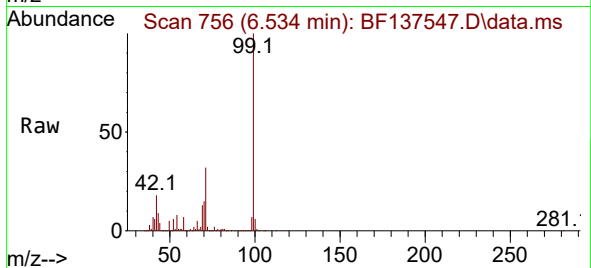
Tgt Ion:112 Resp: 1186069
Ion Ratio Lower Upper
112 100
64 64.3 53.4 80.2
63 32.2 26.2 39.2





#7
Phenol-d6
Concen: 76.525 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

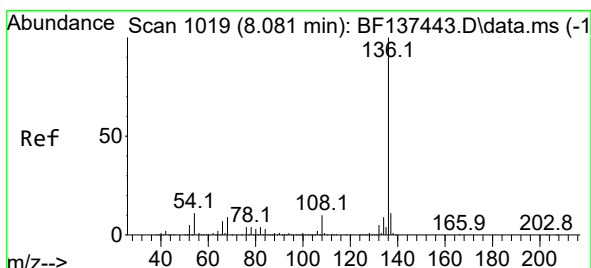
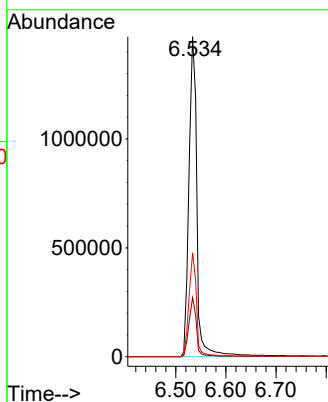
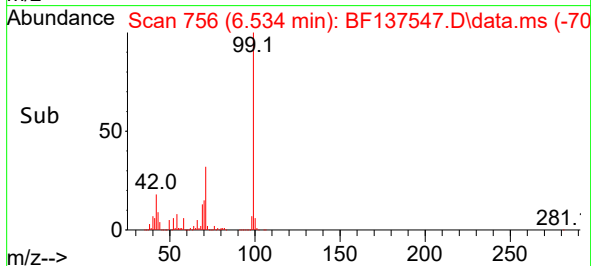
Instrument :
BNA_F
ClientSampleId :
TP-1



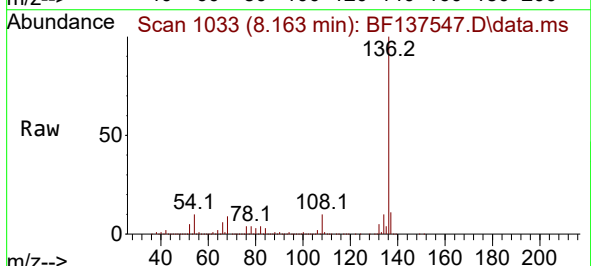
Tgt Ion: 99 Resp: 163817
Ion Ratio Lower Upper
99 100
42 18.4 14.6 21.8
71 32.4 25.3 37.9

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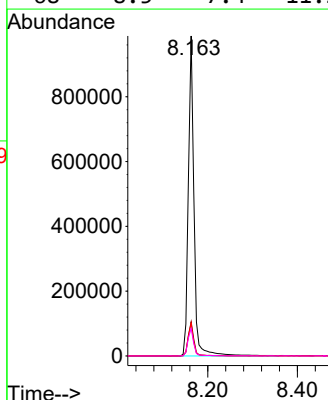
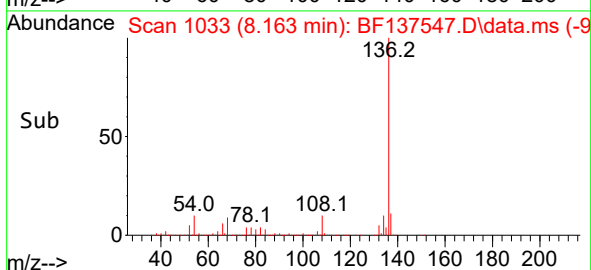
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024

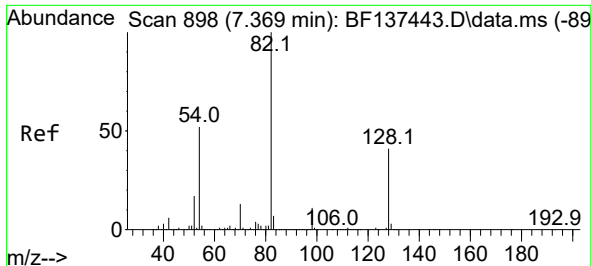


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1033
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10



Tgt Ion:136 Resp: 864593
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 10.2 8.5 12.7
68 8.5 7.4 11.2





#23

Nitrobenzene-d5

Concen: 52.905 ng

RT: 7.451 min Scan# 912

Delta R.T. -0.000 min

Lab File: BF137547.D

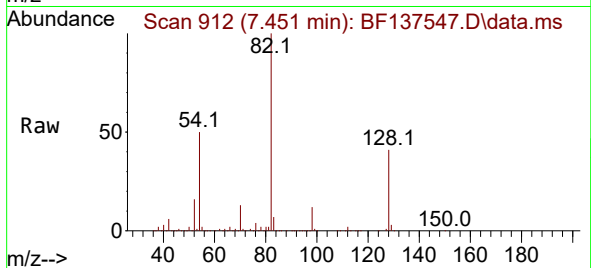
Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1



Tgt Ion: 82 Resp: 984440

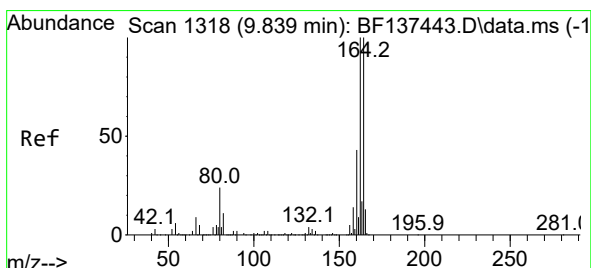
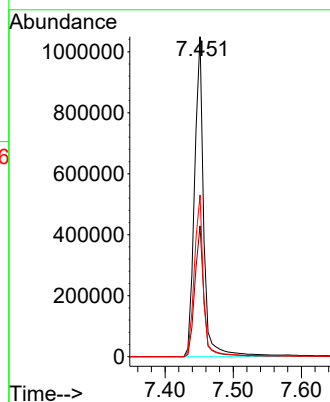
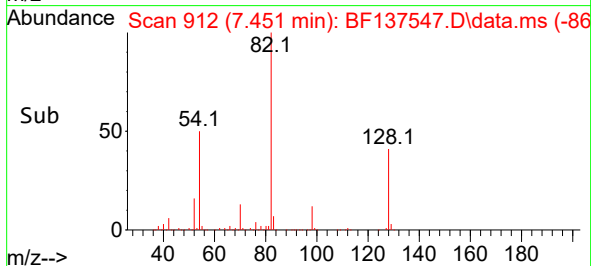
Ion	Ratio	Lower	Upper
82	100		
128	40.9	32.5	48.7
54	50.5	41.5	62.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1332

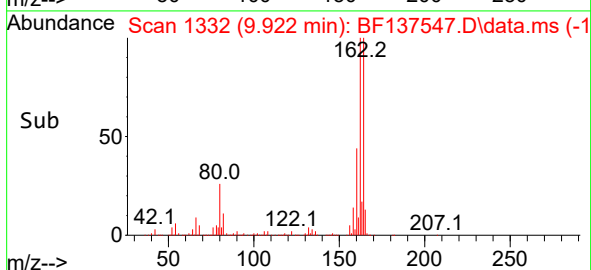
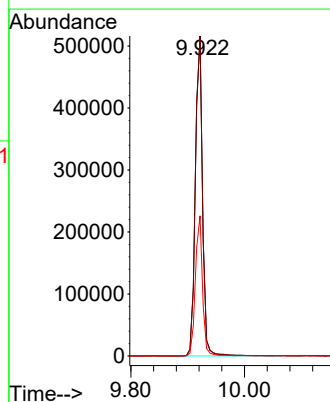
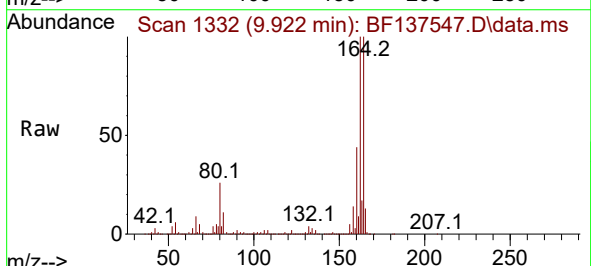
Delta R.T. 0.006 min

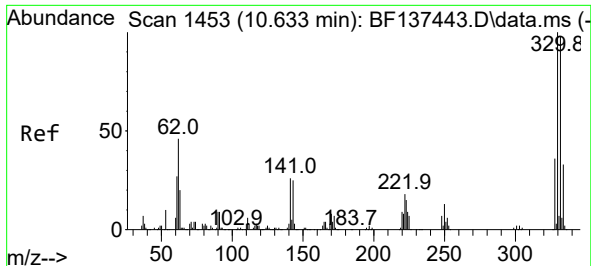
Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Tgt Ion:164 Resp: 454913

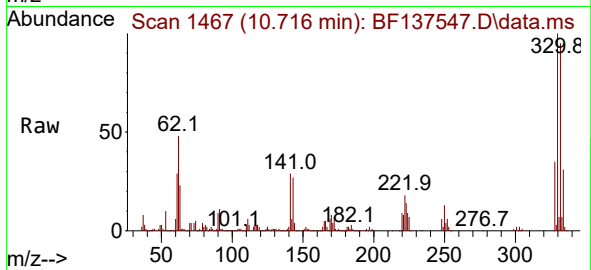
Ion	Ratio	Lower	Upper
164	100		
162	99.8	79.8	119.8
160	43.8	34.4	51.6





#42
2,4,6-Tribromophenol
Concen: 75.260 ng
RT: 10.716 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

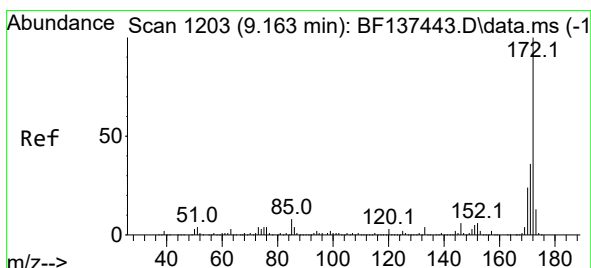
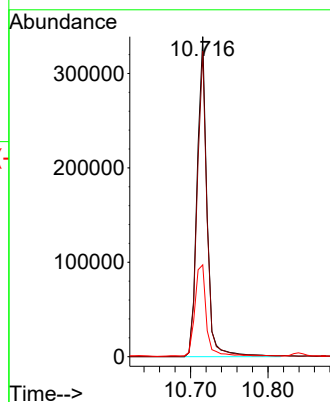
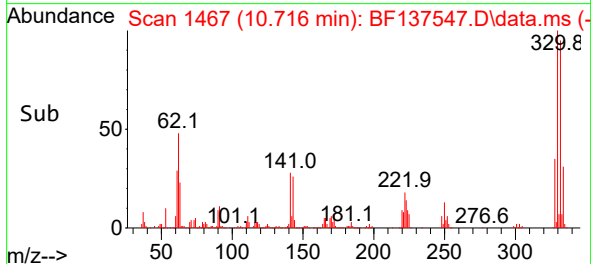
Instrument :
BNA_F
ClientSampleId :
TP-1



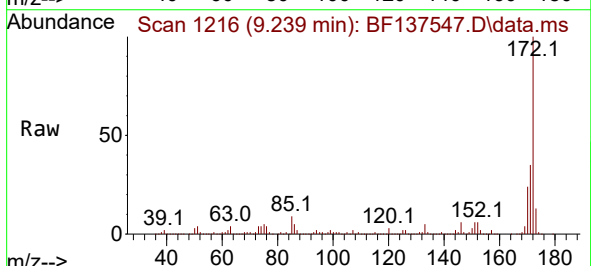
Tgt Ion: 330 Resp: 30065
Ion Ratio Lower Upper
330 100
332 95.6 78.0 117.0
141 32.5 27.3 40.9

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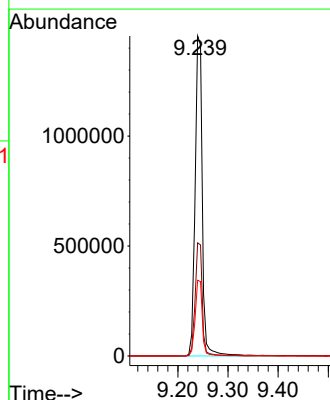
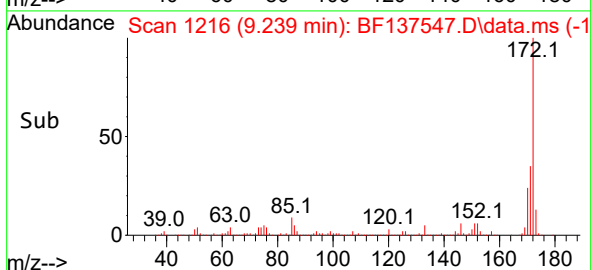
Reviewed By : Yogesh Patel 03/09/2024
Supervised By : mohammad ahmed 03/09/2024

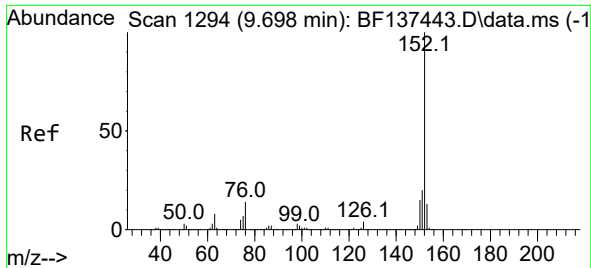


#45
2-Fluorobiphenyl
Concen: 49.803 ng
RT: 9.239 min Scan# 1216
Delta R.T. -0.000 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10



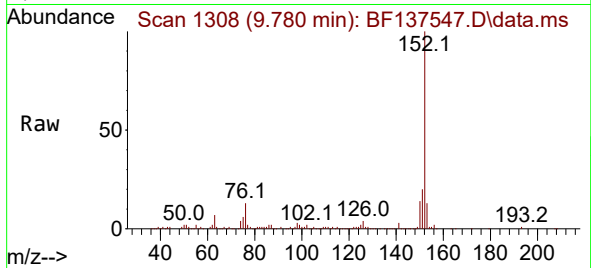
Tgt Ion: 172 Resp: 1447341
Ion Ratio Lower Upper
172 100
171 35.3 28.5 42.7
170 23.7 19.0 28.6





#49
Acenaphthylene
Concen: 3.802 ng
RT: 9.780 min Scan# 15445
Delta R.T. -0.000 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

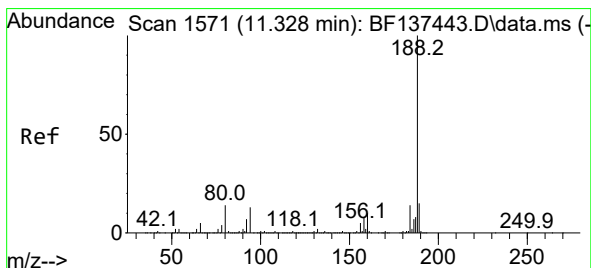
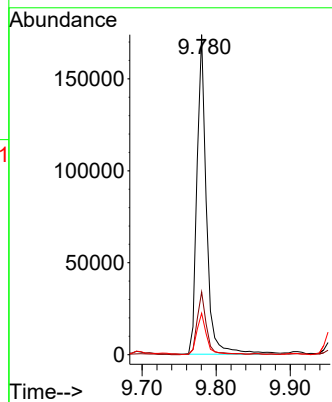
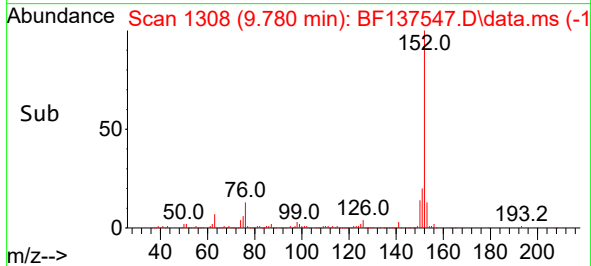
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 15445
Ion Ratio Lower Upper
152 100
151 19.6 16.2 24.4
153 13.0 10.8 16.2

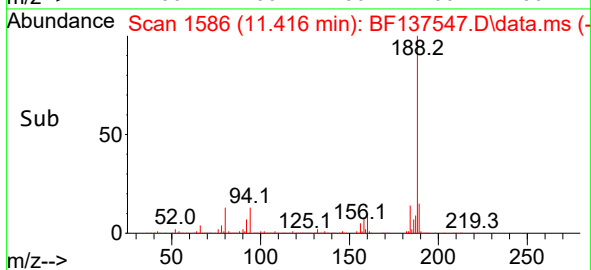
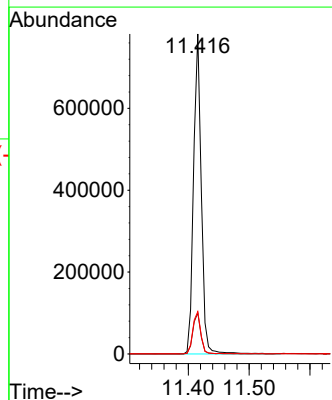
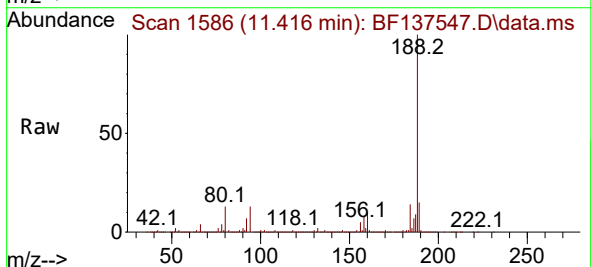
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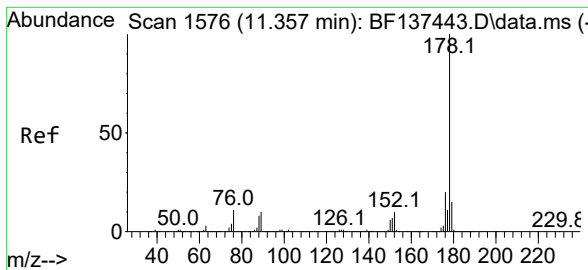
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

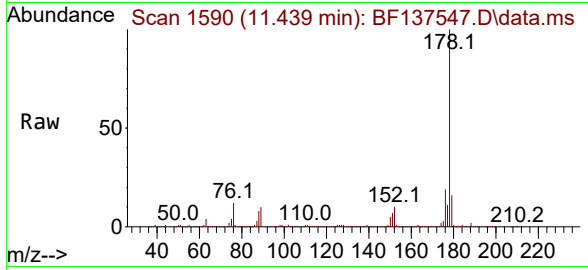
Tgt Ion:188 Resp: 688233
Ion Ratio Lower Upper
188 100
94 12.8 10.6 15.8
80 13.2 11.5 17.3





#71
Phenanthrene
Concen: 10.882 ng
RT: 11.439 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

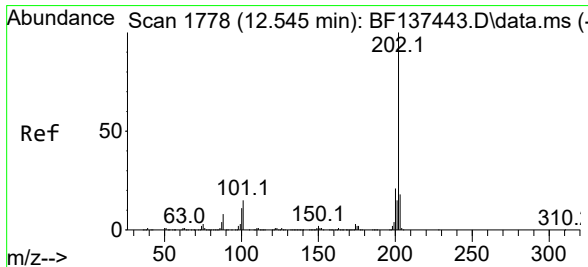
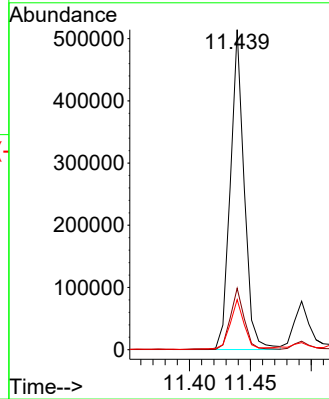
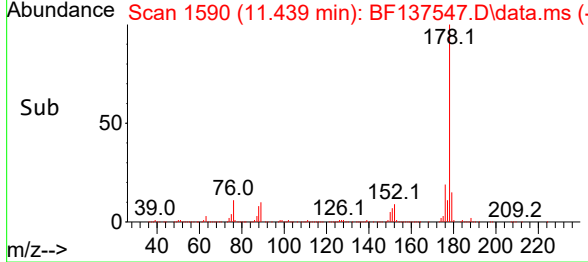
Instrument :
BNA_F
ClientSampleId :
TP-1



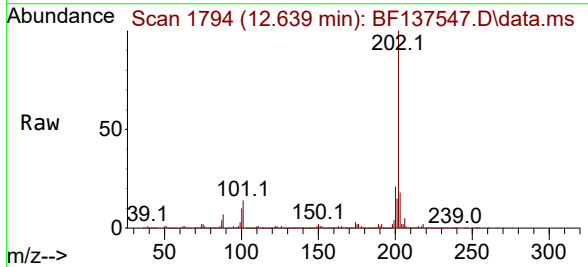
Tgt Ion:178 Resp: 407599
Ion Ratio Lower Upper
178 100
176 19.2 15.8 23.8
179 15.6 12.2 18.2

Manual Integrations
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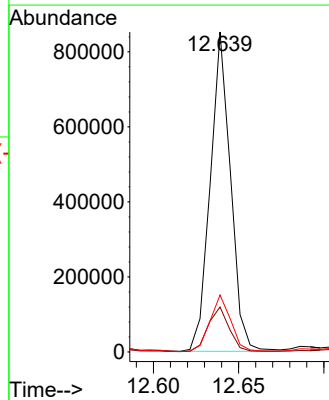
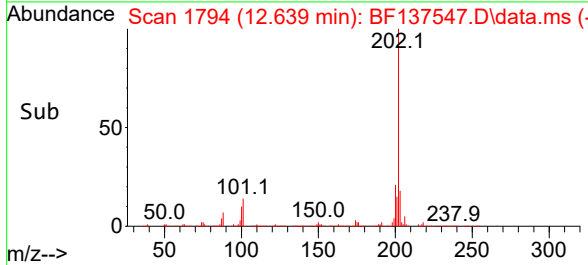
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024

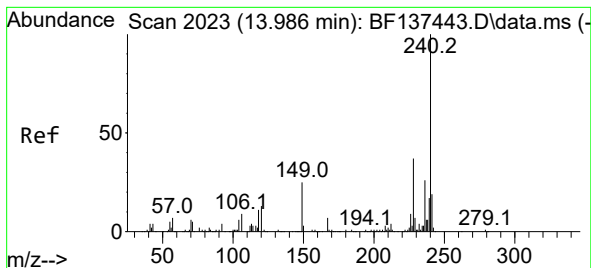


#75
Fluoranthene
Concen: 19.296 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10



Tgt Ion:202 Resp: 706442
Ion Ratio Lower Upper
202 100
101 14.0 0.0 35.0
203 17.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.080 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:240 Resp: 42543

Ion Ratio Lower Upper

240 100

120 14.8 10.4 15.6

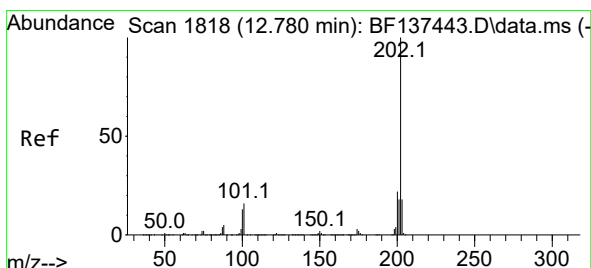
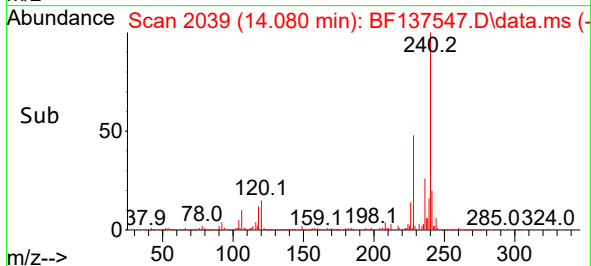
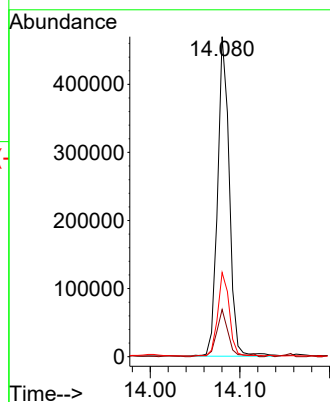
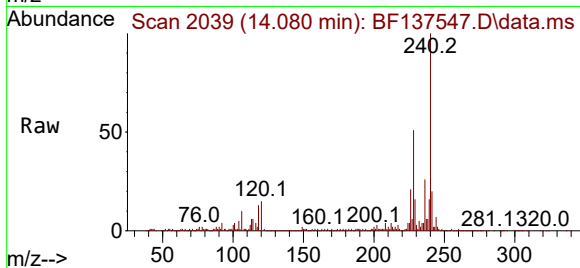
236 26.3 20.9 31.3

Manual Integrations

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Reviewed By :Yogesh Patel 03/09/2024

Supervised By :mohammad ahmed 03/09/2024



#78

Pyrene

Concen: 29.212 ng

RT: 12.868 min Scan# 1833

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

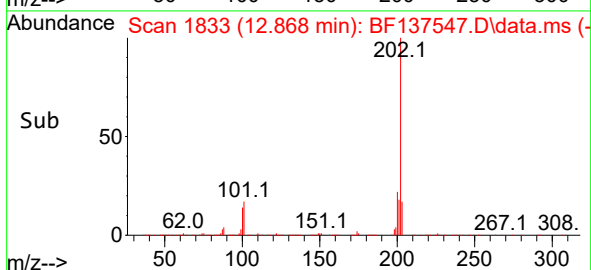
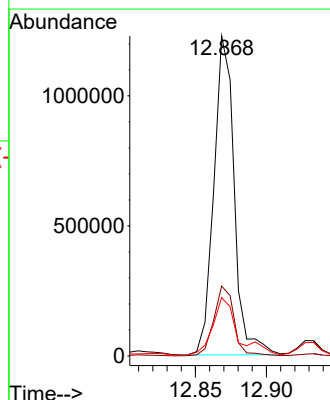
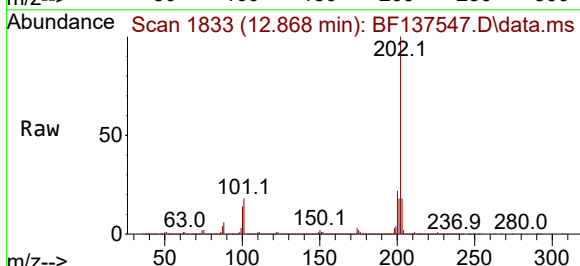
Tgt Ion:202 Resp: 1219469

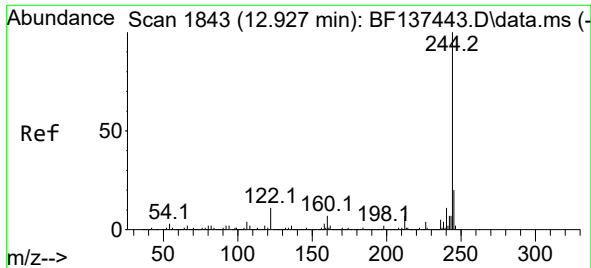
Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

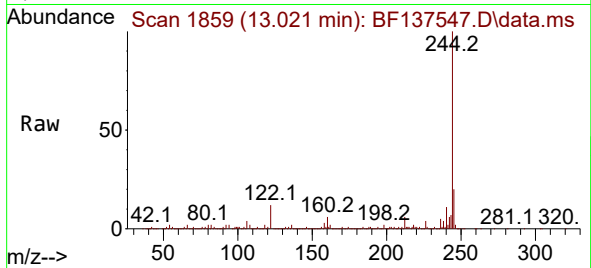
203 18.3 14.1 21.1





#79
 Terphenyl-d14
 Concen: 34.680 ng
 RT: 13.021 min Scan# 1843
 Delta R.T. 0.006 min
 Lab File: BF137547.D
 Acq: 08 Mar 2024 17:10

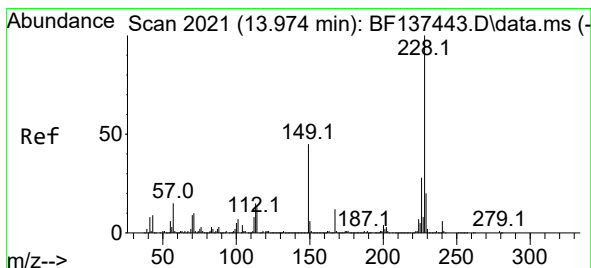
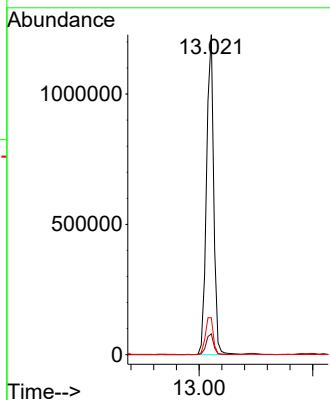
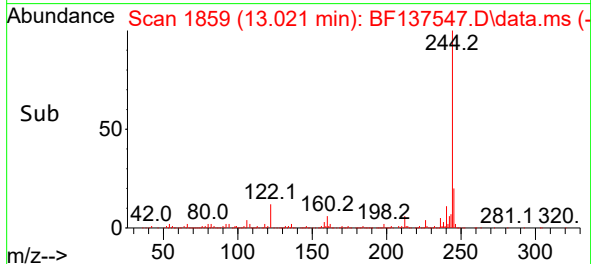
Instrument :
 BNA_F
 ClientSampleId :
 TP-1



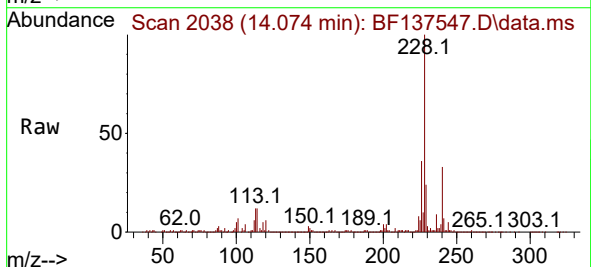
Tgt Ion:244 Resp: 1072938
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 11.6 9.1 13.7

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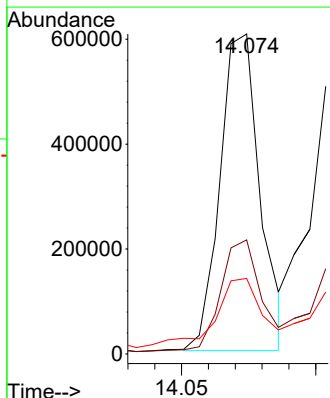
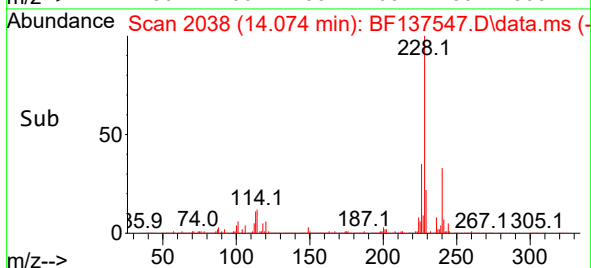
Reviewed By :Yogesh Patel 03/09/2024
 Supervised By :mohammad ahmed 03/09/2024

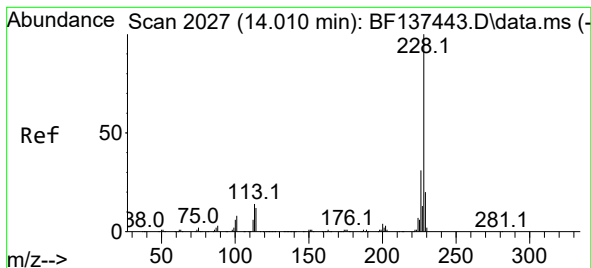


#81
 Benzo(a)anthracene
 Concen: 21.047 ng m
 RT: 14.074 min Scan# 2038
 Delta R.T. 0.012 min
 Lab File: BF137547.D
 Acq: 08 Mar 2024 17:10



Tgt Ion:228 Resp: 627599
 Ion Ratio Lower Upper
 228 100
 226 35.6 22.3 33.5#
 229 23.6 16.3 24.5





#83

Chrysene

Concen: 22.496 ng

RT: 14.110 min Scan# 2027

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

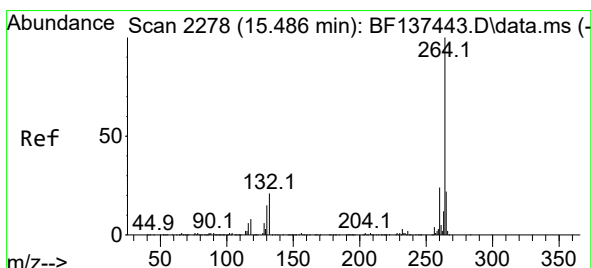
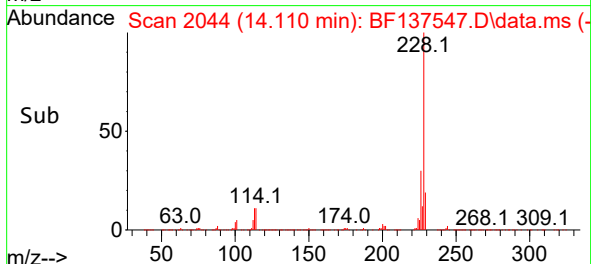
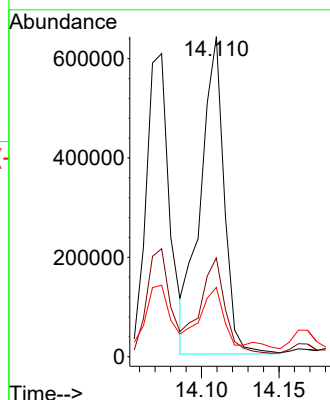
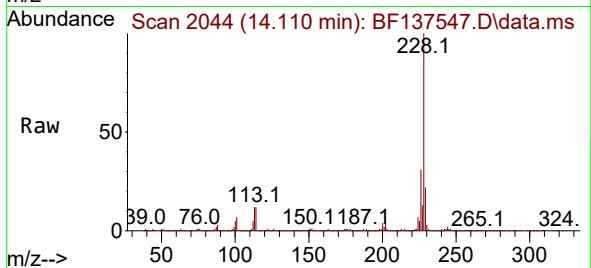
TP-1

Tgt Ion:228 Resp: 677954
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.7 37.1
 229 21.6 15.9 23.9

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Reviewed By :Yogesh Patel 03/09/2024
 Supervised By :mohammad ahmed 03/09/2024



#86

Perylene-d12

Concen: 20.000 ng

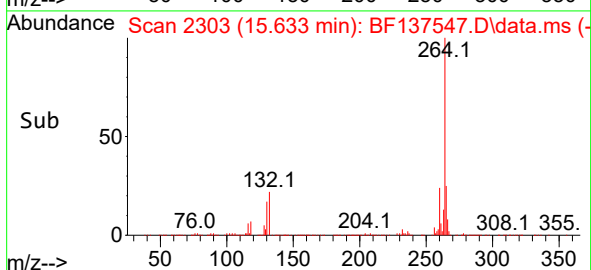
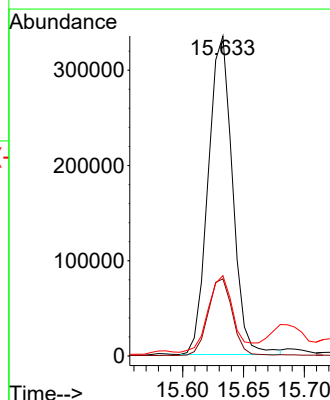
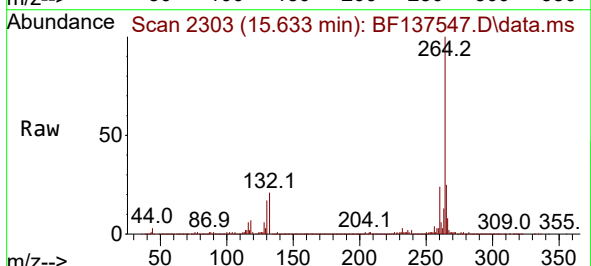
RT: 15.633 min Scan# 2303

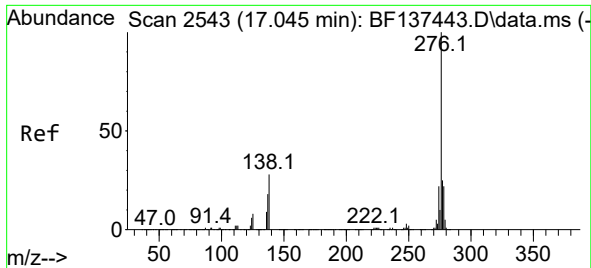
Delta R.T. 0.018 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Tgt Ion:264 Resp: 466018
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.3 28.9
 265 25.1 17.4 26.0





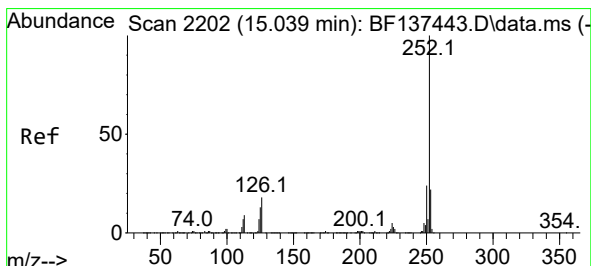
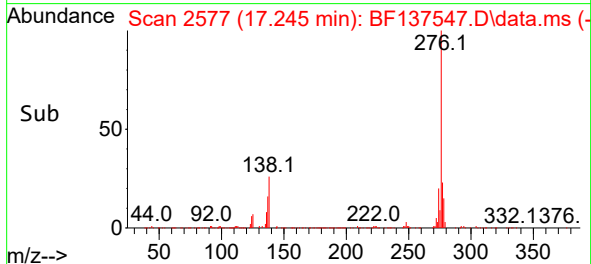
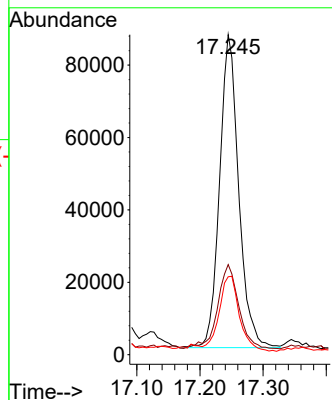
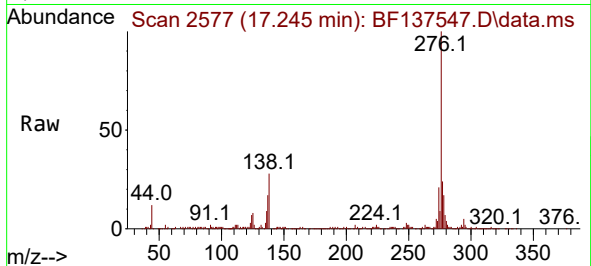
#87
Indeno(1,2,3-cd)pyrene
Concen: 5.930 ng
RT: 17.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:276 Resp: 18184
Ion Ratio Lower Upper
276 100
138 29.9 25.8 38.8
277 25.6 20.2 30.2

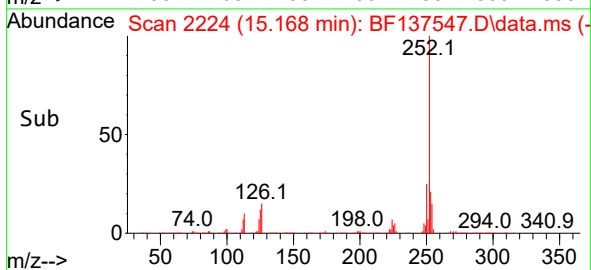
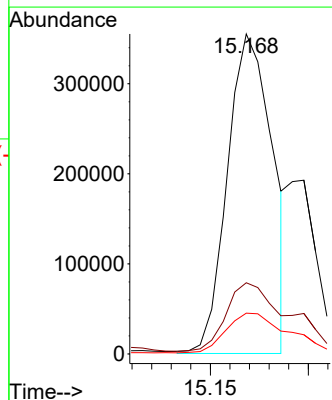
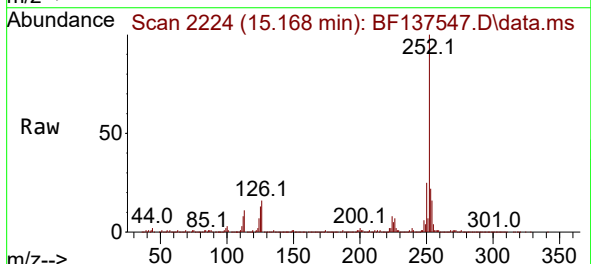
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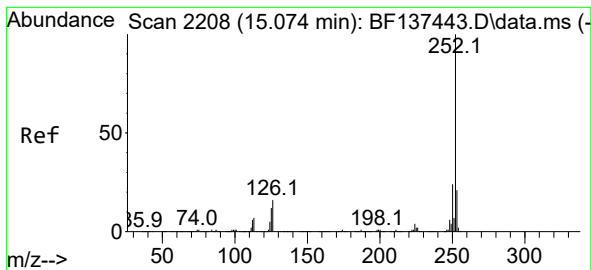
Reviewed By :Yogesh Patel 03/09/2024
Supervised By :mohammad ahmed 03/09/2024



#88
Benzo(b)fluoranthene
Concen: 20.619 ng m
RT: 15.168 min Scan# 2224
Delta R.T. 0.012 min
Lab File: BF137547.D
Acq: 08 Mar 2024 17:10

Tgt Ion:252 Resp: 568394
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.8
125 12.8 10.1 15.1





#89

Benzo(k)fluoranthene

Concen: 7.041 ng m

RT: 15.198 min Scan# 2208

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:252 Resp: 208469

Ion Ratio Lower Upper

252 100

253 23.3 17.3 25.9

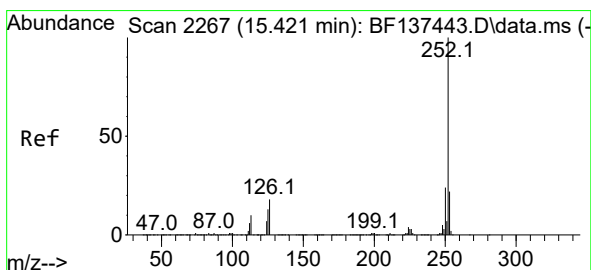
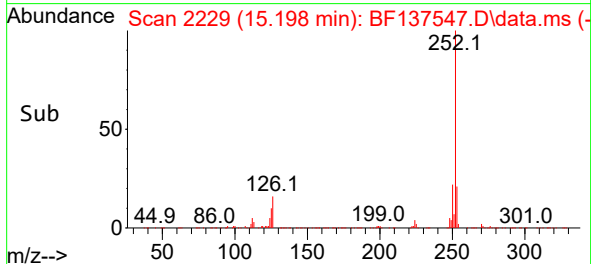
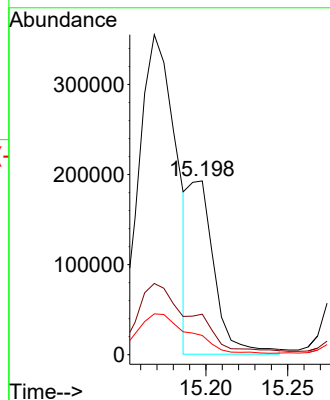
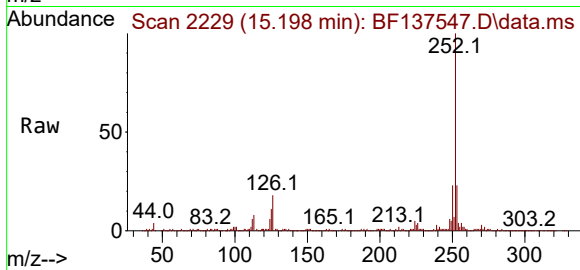
125 11.0 9.6 14.4

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Reviewed By :Yogesh Patel 03/09/2024

Supervised By :mohammad ahmed 03/09/2024



#90

Benzo(a)pyrene

Concen: 20.513 ng

RT: 15.562 min Scan# 2291

Delta R.T. 0.012 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

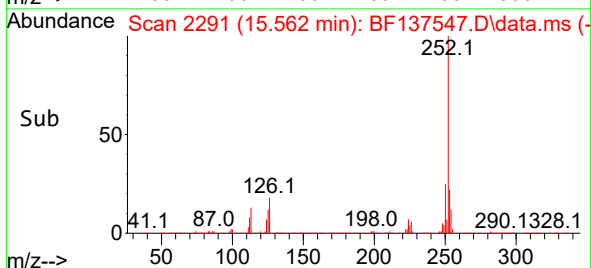
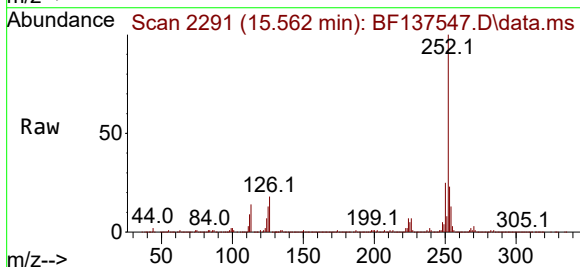
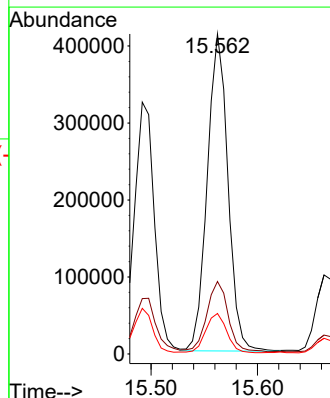
Tgt Ion:252 Resp: 557242

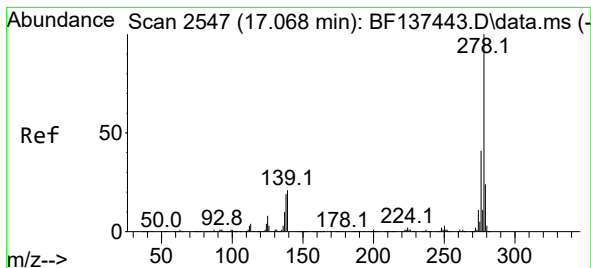
Ion Ratio Lower Upper

252 100

253 22.7 17.4 26.2

125 12.6 10.4 15.6





#91

Dibenzo(a,h)anthracene

Concen: 2.381 ng

RT: 17.268 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:278 Resp: 5924

Ion Ratio Lower Upper

278 100

139 21.0 17.0 25.6

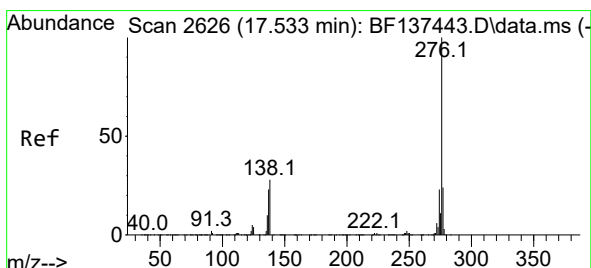
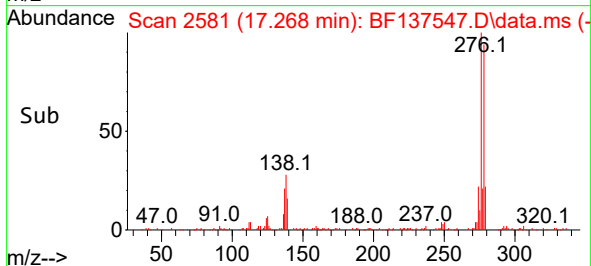
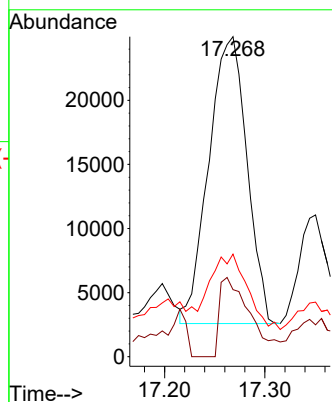
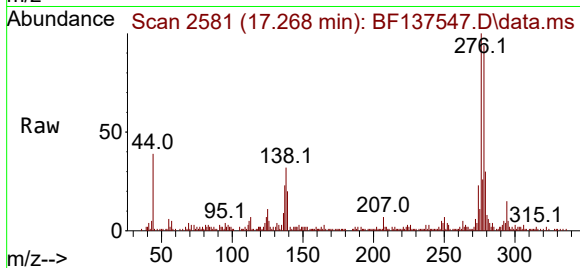
279 32.0 18.8 28.2

Manual Integrations

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Reviewed By :Yogesh Patel 03/09/2024

Supervised By :mohammad ahmed 03/09/2024



#92

Benzo(g,h,i)perylene

Concen: 9.459 ng

RT: 17.739 min Scan# 2661

Delta R.T. 0.012 min

Lab File: BF137547.D

Acq: 08 Mar 2024 17:10

Tgt Ion:276 Resp: 241658

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.4

138 26.4 22.2 33.2

