

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
 Data File : BF136942.D
 Acq On : 04 Jan 2024 15:45
 Operator : CG\JU
 Sample : 06038-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T-803

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/05/2024
 Supervised By :mohammad ahmed 01/05/2024

Quant Time: Jan 04 16:12:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	57623	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	206919	20.000	ng	# 0.00
39) Acenaphthene-d10	9.816	164	93740	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	158690	20.000	ng	0.00
76) Chrysene-d12	13.968	240	128529	20.000	ng	# 0.00
86) Perylene-d12	15.451	264	155213	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	303261	82.115	ng	0.01
7) Phenol-d6	6.434	99	337462	70.519	ng	0.00
23) Nitrobenzene-d5	7.345	82	340411	84.184	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	99046	89.716	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	661606	94.927	ng	-0.01
79) Terphenyl-d14	12.904	244	667003	72.522	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.086	128	1425158	125.370	ng	100
37) 2-Methylnaphthalene	8.775	142	155538	21.260	ng	99
38) 1-Methylnaphthalene	8.869	142	129618	18.059	ng	99
46) 1,1'-Biphenyl	9.233	154	26273	3.340	ng	93
52) Acenaphthene	9.845	154	46419	8.193	ng	99
58) Fluorene	10.363	166	30200	4.431	ng	96
71) Phenanthrene	11.333	178	97602	11.987	ng	99
72) Anthracene	11.386	178	18238	2.212	ng	97
73) Carbazole	11.551	167	15870	2.041	ng	95
75) Fluoranthene	12.527	202	38196	4.385	ng	97
78) Pyrene	12.757	202	59870	4.745	ng	98
81) Benzo(a)anthracene	13.957	228	27849m	3.120	ng	
83) Chrysene	13.992	228	27507	3.152	ng	100
90) Benzo(a)pyrene	15.386	252	19315	2.207	ng	98

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

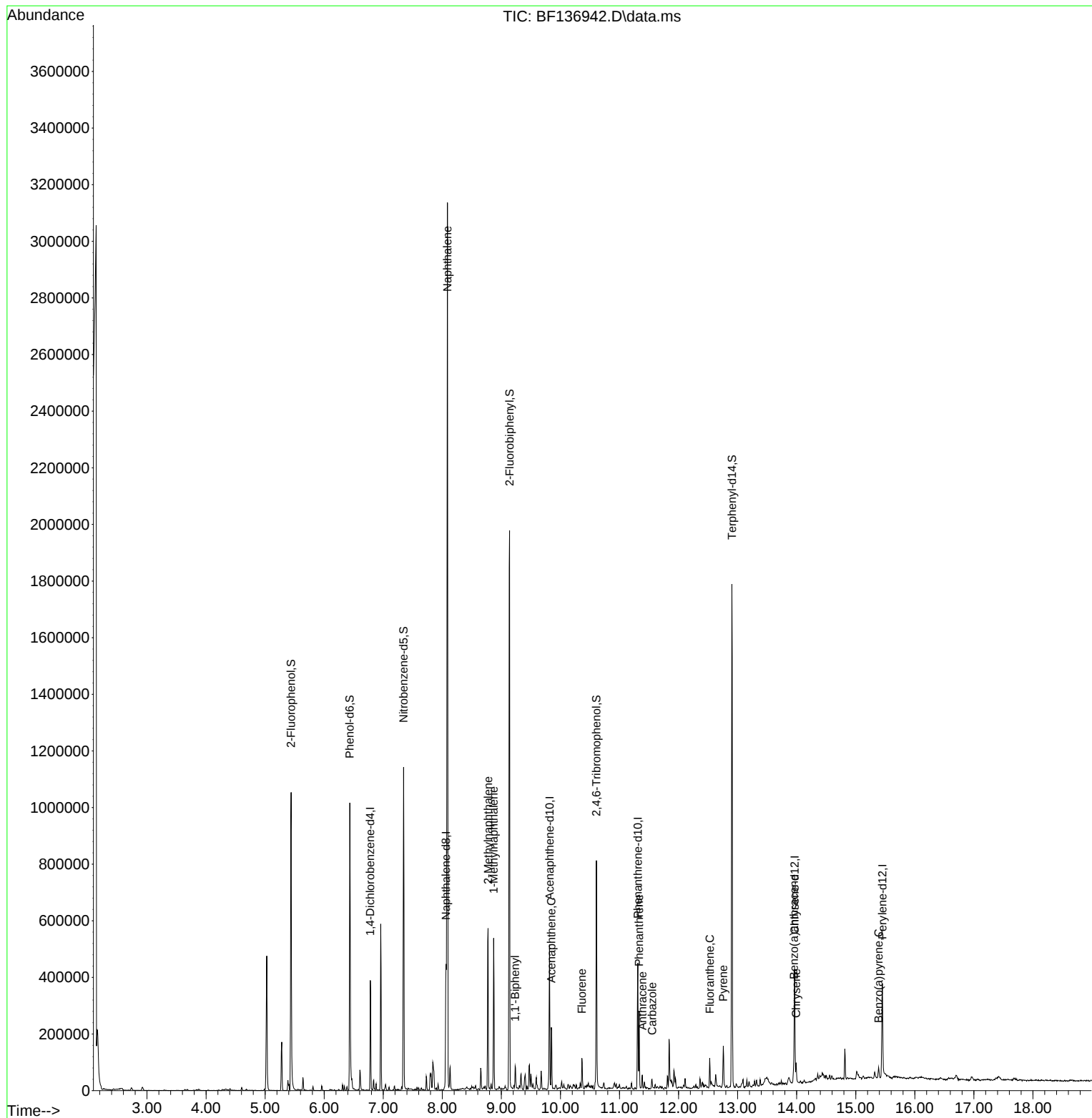
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF010424\
Data File : BF136942.D
Acq On : 04 Jan 2024 15:45
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Misc :
ALS Vial : 10 Sample Multiplier: 1

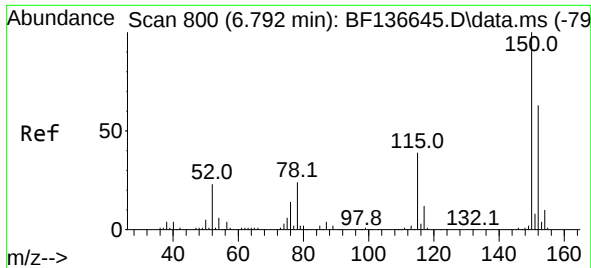
Instrument :
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Quant Time: Jan 04 16:12:59 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
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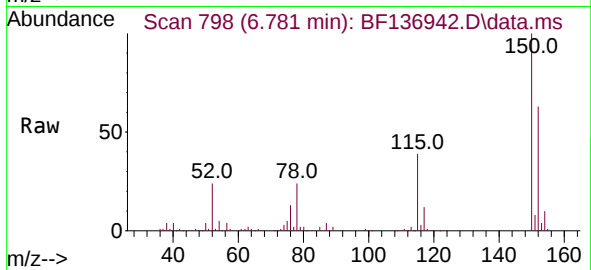
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 70
Delta R.T. -0.011 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

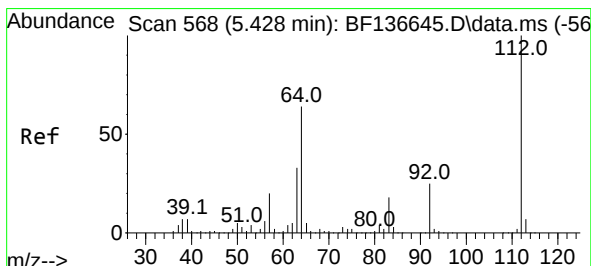
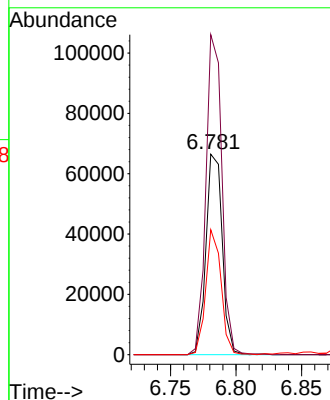
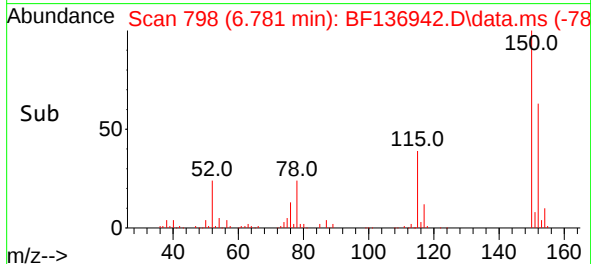
Instrument :
BNA_F
ClientSampleId :
T-803



Tgt Ion:152 Resp: 5762
Ion Ratio Lower Upper
152 100
150 159.6 127.0 190.6
115 62.3 49.0 73.4

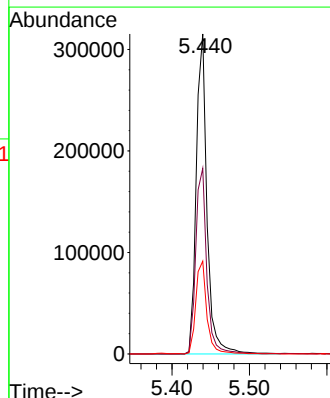
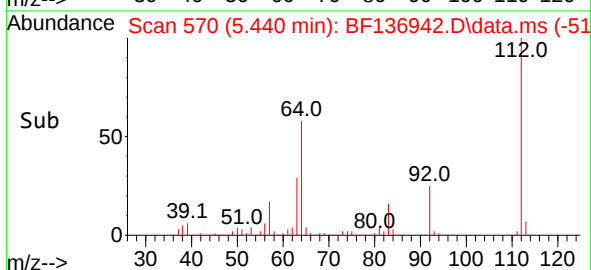
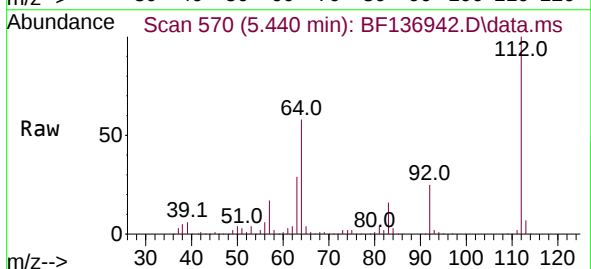
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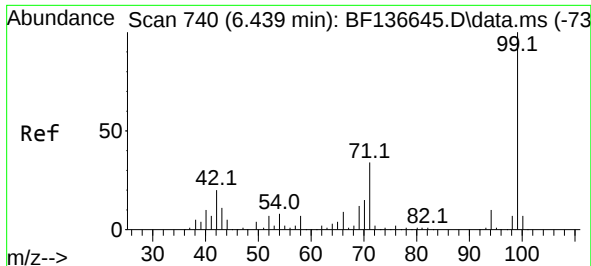
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#5
2-Fluorophenol
Concen: 82.115 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

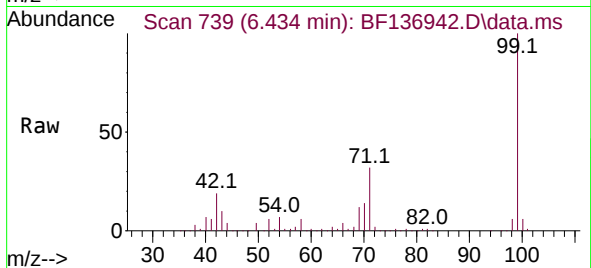
Tgt Ion:112 Resp: 303261
Ion Ratio Lower Upper
112 100
64 58.0 51.1 76.7
63 29.0 26.1 39.1





#7
Phenol-d6
Concen: 70.519 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

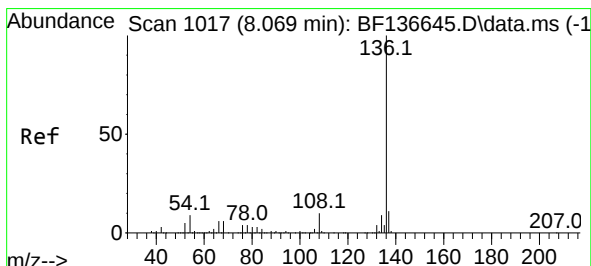
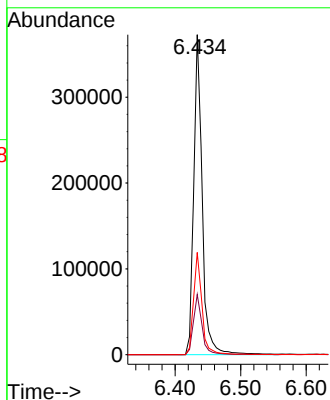
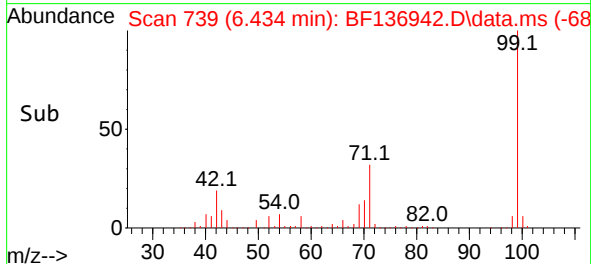
Instrument :
BNA_F
ClientSampleId :
T-803



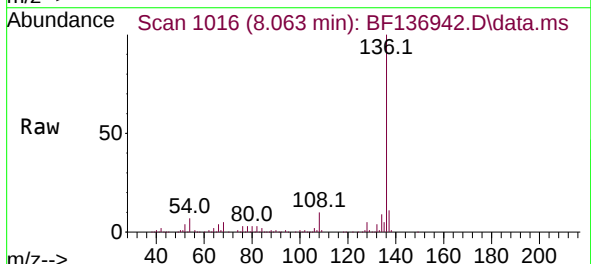
Tgt Ion: 99 Resp: 337462
Ion Ratio Lower Upper
99 100
42 18.8 16.1 24.1
71 31.9 27.4 41.2

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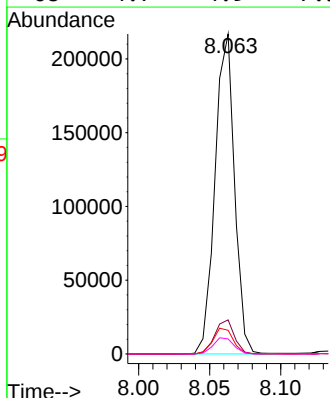
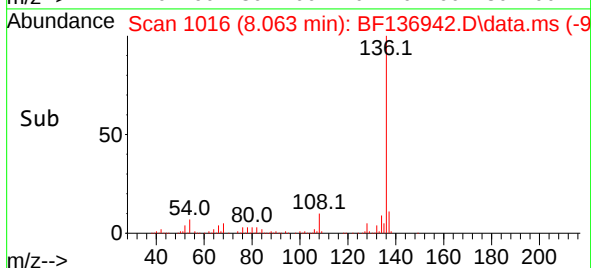
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

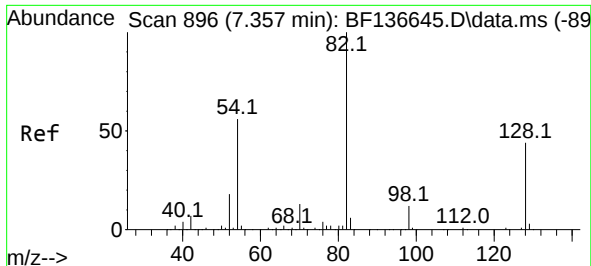


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45



Tgt Ion:136 Resp: 206919
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 7.4 7.2 10.8
68 4.7 4.9 7.3#





#23
Nitrobenzene-d5
Concen: 84.184 ng
RT: 7.345 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

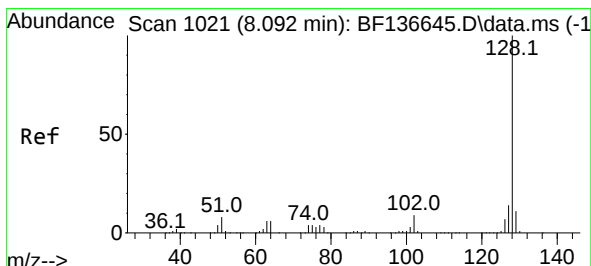
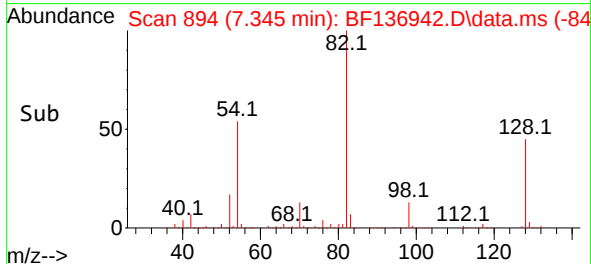
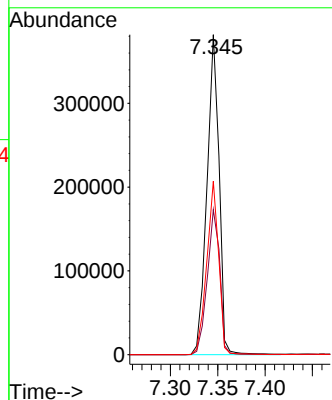
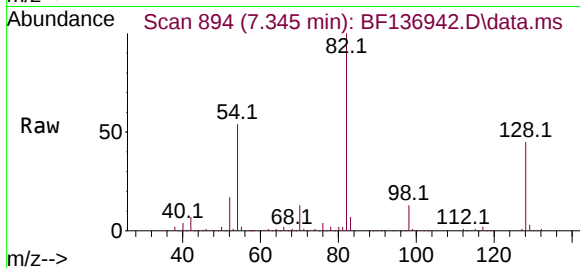
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Tgt Ion: 82 Resp: 34041
Ion Ratio Lower Upper
82 100
128 45.3 35.3 52.9
54 54.2 44.5 66.7

Manual Integrations

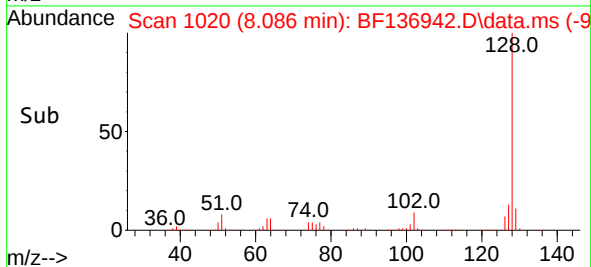
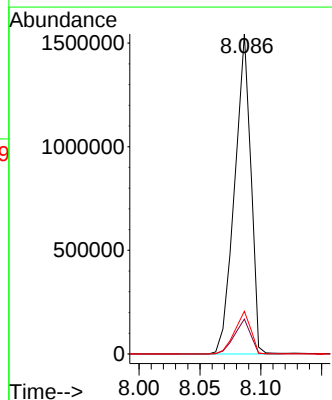
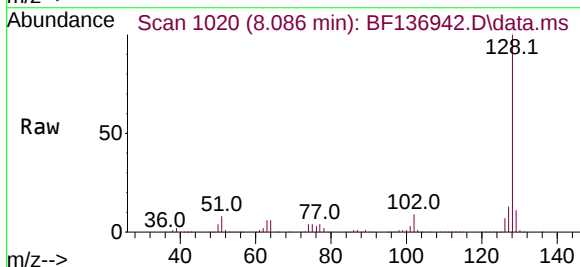
APPROVED

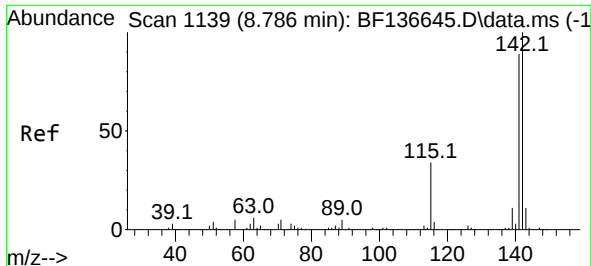
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#31
Naphthalene
Concen: 125.370 ng
RT: 8.086 min Scan# 1020
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion:128 Resp: 1425158
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.3 10.8 16.2





#37

2-Methylnaphthalene

Concen: 21.260 ng

RT: 8.775 min Scan# 1137

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:142 Resp: 155538

Ion Ratio Lower Upper

142 100

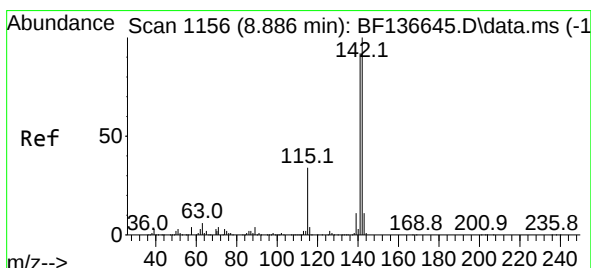
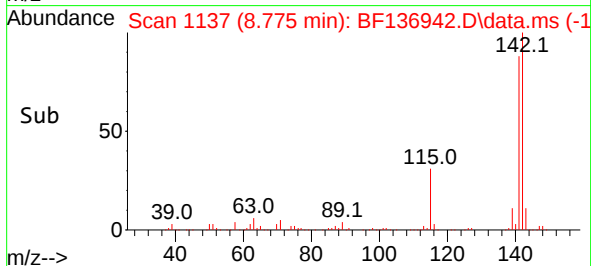
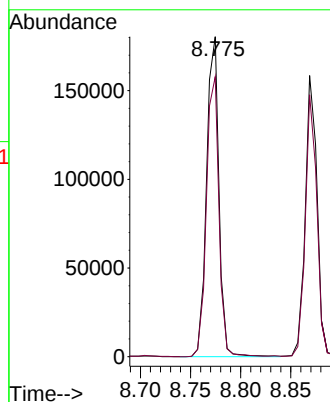
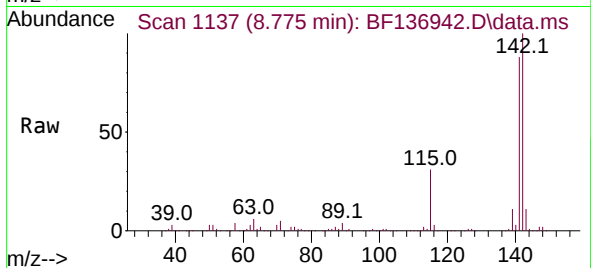
141 87.5 71.1 106.7

Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#38

1-Methylnaphthalene

Concen: 18.059 ng

RT: 8.869 min Scan# 1153

Delta R.T. -0.018 min

Lab File: BF136942.D

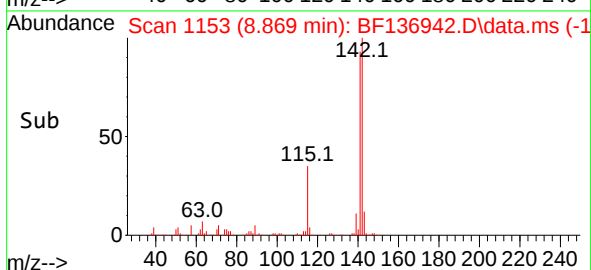
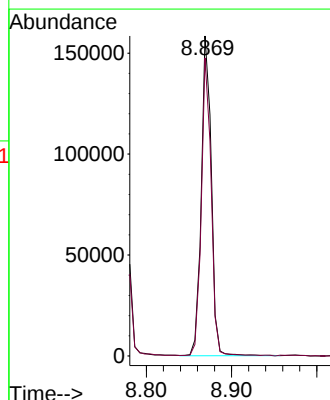
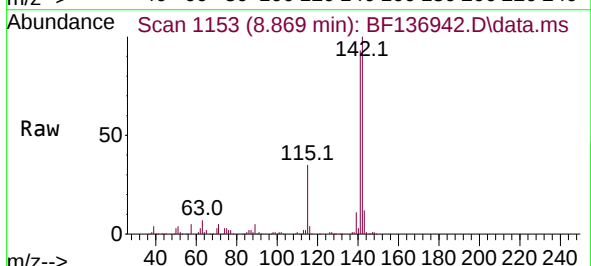
Acq: 04 Jan 2024 15:45

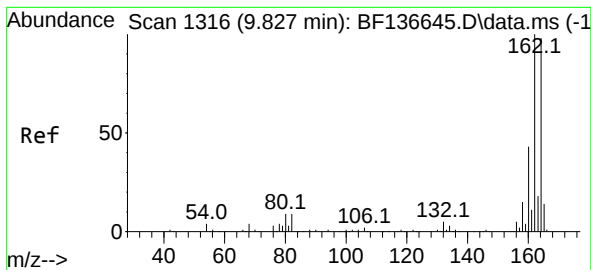
Tgt Ion:142 Resp: 129618

Ion Ratio Lower Upper

142 100

141 93.1 73.6 110.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

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ClientSampleId :

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Tgt Ion:164 Resp: 93740

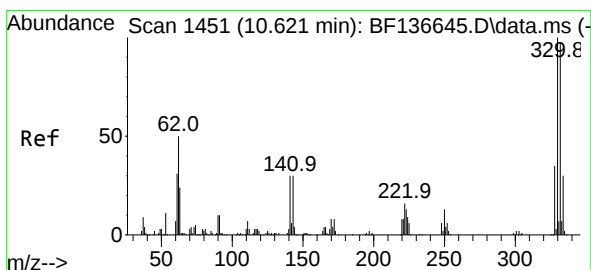
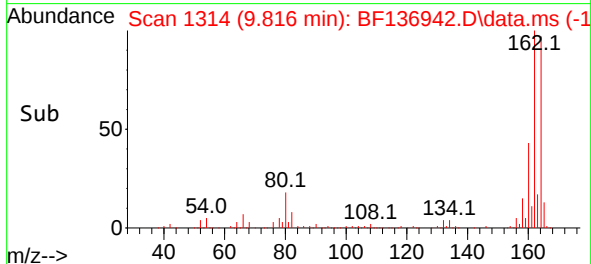
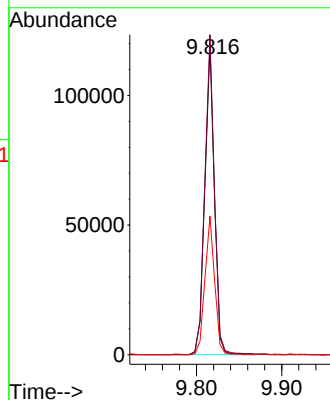
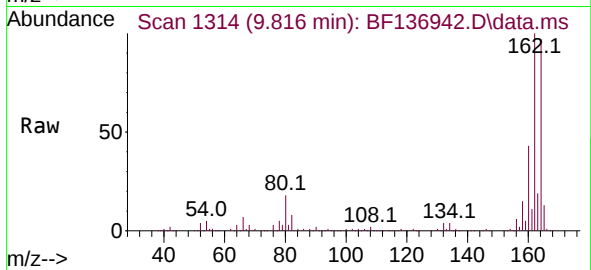
Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.6	122.4
160	44.7	34.9	52.3

Manual Integrations

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Supervised By :mohammad ahmed 01/05/2024



#42

2,4,6-Tribromophenol

Concen: 89.716 ng

RT: 10.610 min Scan# 1449

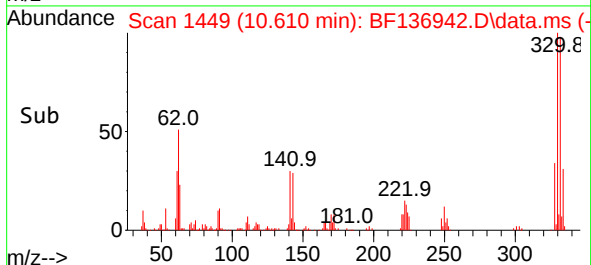
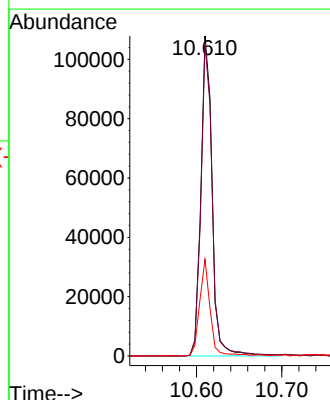
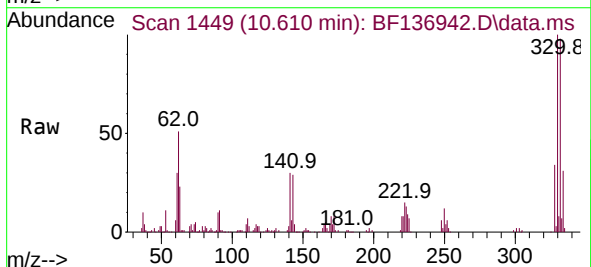
Delta R.T. -0.012 min

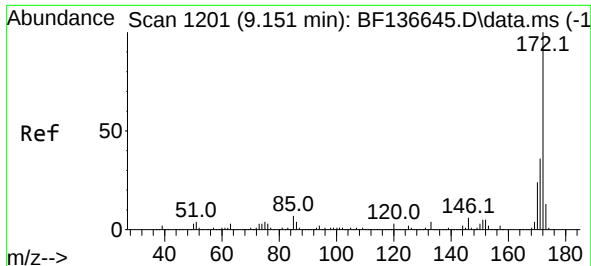
Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Tgt Ion:330 Resp: 99046

Ion	Ratio	Lower	Upper
330	100		
332	98.3	77.4	116.0
141	28.6	23.4	35.2





#45

2-Fluorobiphenyl

Concen: 94.927 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:172 Resp: 661600

Ion Ratio Lower Upper

172 100

171 35.3 29.0 43.6

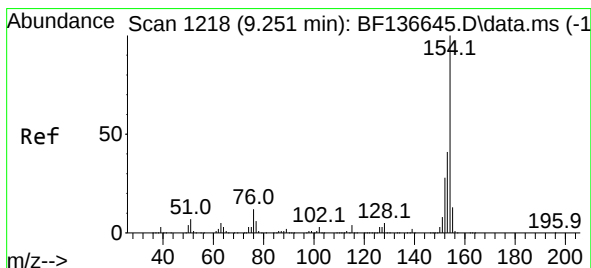
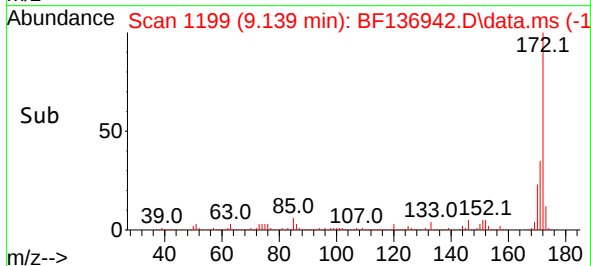
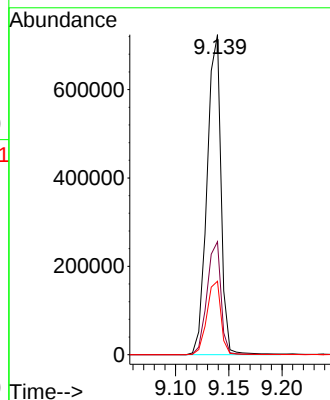
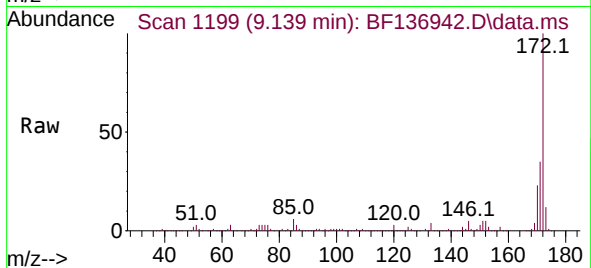
170 22.9 19.0 28.4

Manual Integrations

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Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#46

1,1'-Biphenyl

Concen: 3.340 ng

RT: 9.233 min Scan# 1215

Delta R.T. -0.018 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

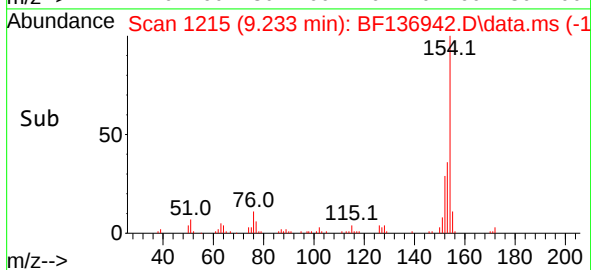
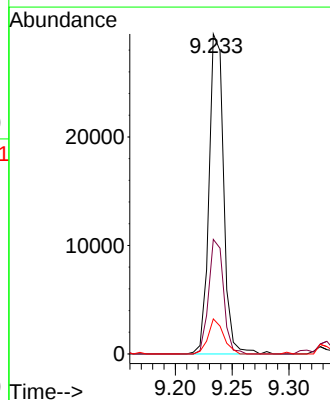
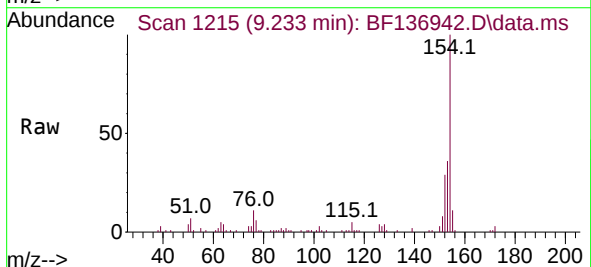
Tgt Ion:154 Resp: 26273

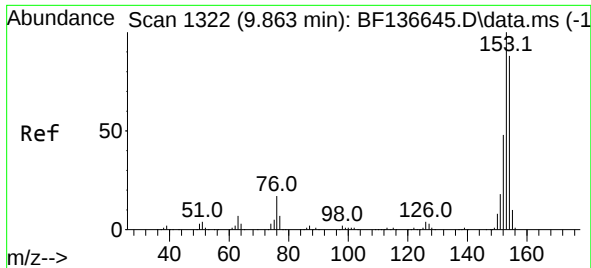
Ion Ratio Lower Upper

154 100

153 35.8 21.1 61.1

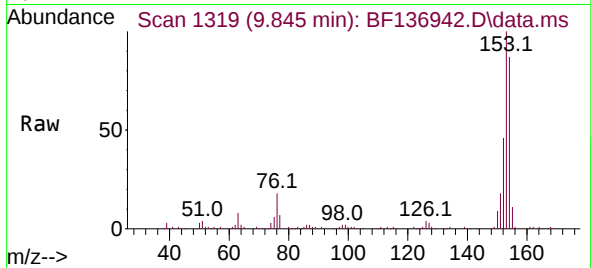
76 10.9 0.0 31.7





#52
Acenaphthene
Concen: 8.193 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

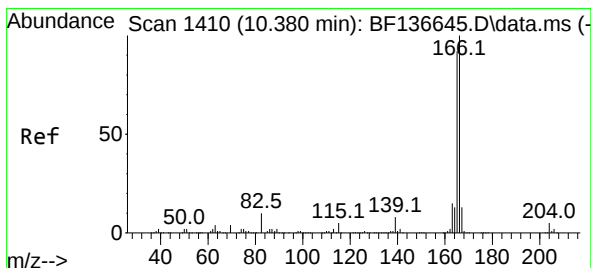
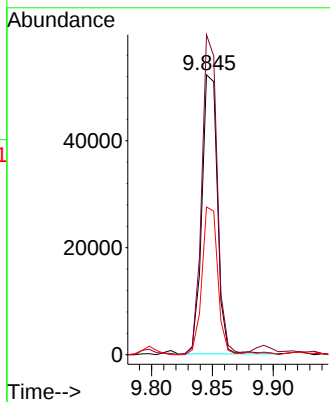
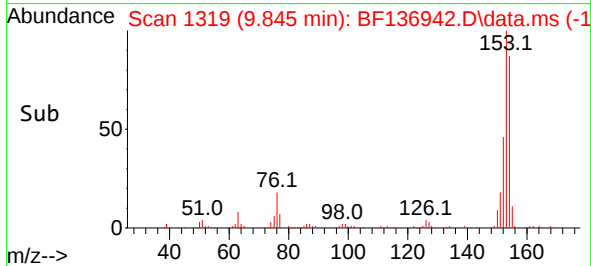
Instrument :
BNA_F
ClientSampleId :
T-803



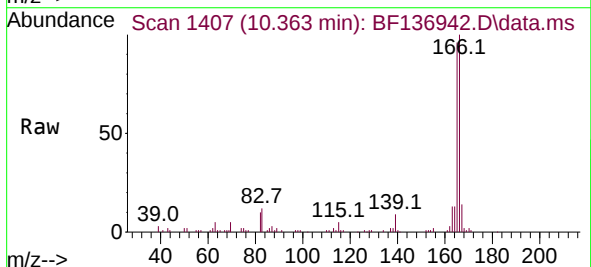
Tgt Ion:154 Resp: 46419
Ion Ratio Lower Upper
154 100
153 114.4 90.7 136.1
152 52.8 43.7 65.5

Manual Integrations
APPROVED

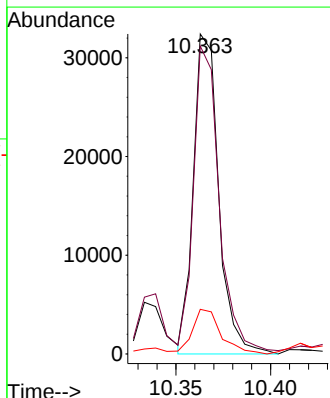
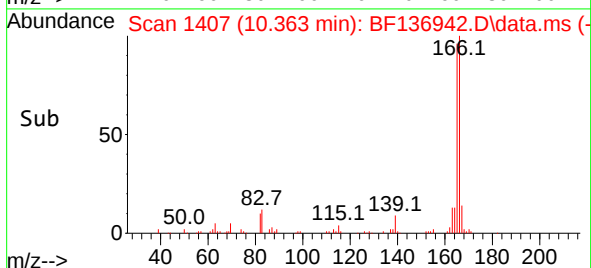
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

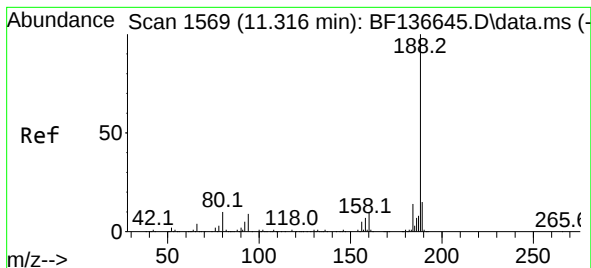


#58
Fluorene
Concen: 4.431 ng
RT: 10.363 min Scan# 1407
Delta R.T. -0.018 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45



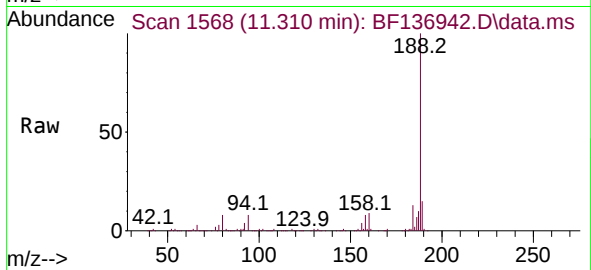
Tgt Ion:166 Resp: 30200
Ion Ratio Lower Upper
166 100
165 96.2 73.7 110.5
167 13.9 10.4 15.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

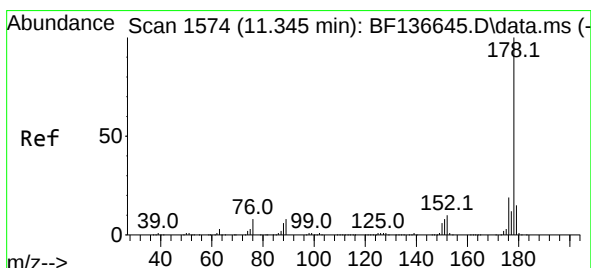
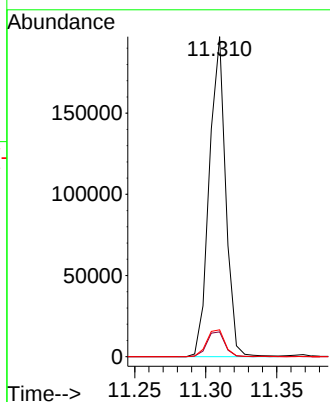
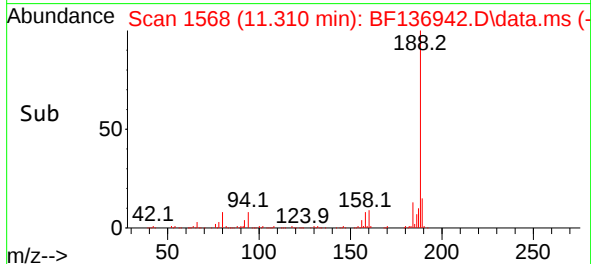
Instrument :
BNA_F
ClientSampleId :
T-803



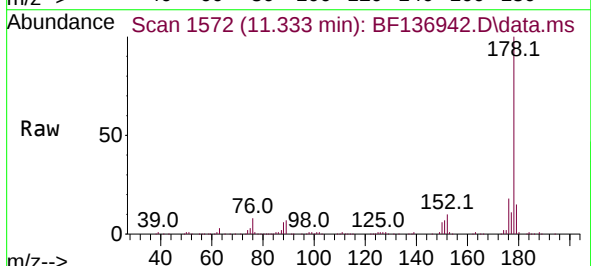
Tgt Ion:188 Resp: 158690
Ion Ratio Lower Upper
188 100
94 7.8 7.5 11.3
80 8.4 8.1 12.1

Manual Integrations
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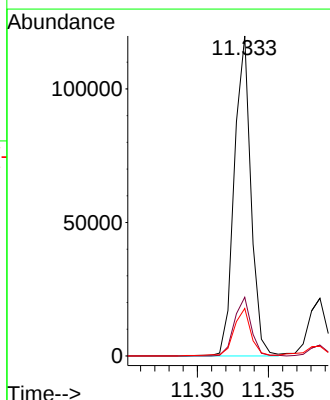
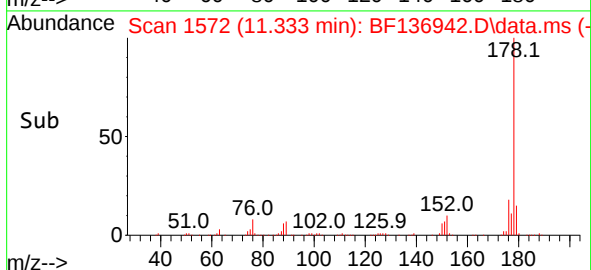
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024

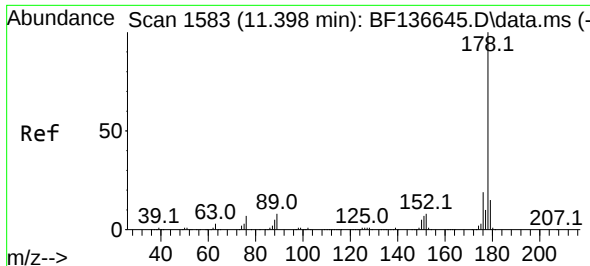


#71
Phenanthrene
Concen: 11.987 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45



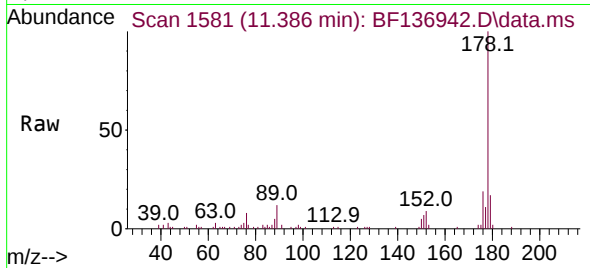
Tgt Ion:178 Resp: 97602
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 14.9 11.9 17.9





#72
Anthracene
Concen: 2.212 ng
RT: 11.386 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

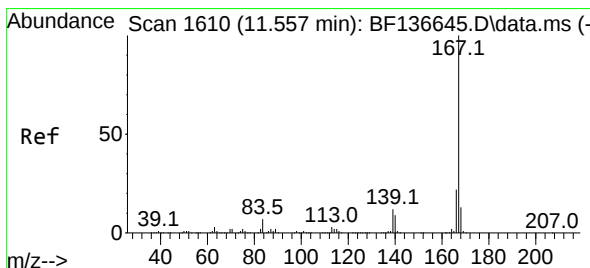
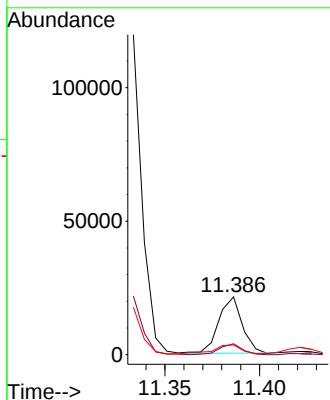
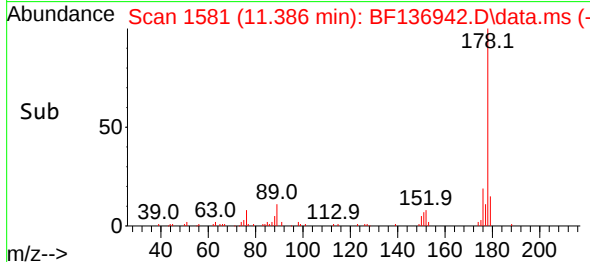
Instrument :
BNA_F
ClientSampleId :
T-803



Tgt Ion:178 Resp: 18238
Ion Ratio Lower Upper
178 100
176 18.9 14.9 22.3
179 16.9 11.8 17.6

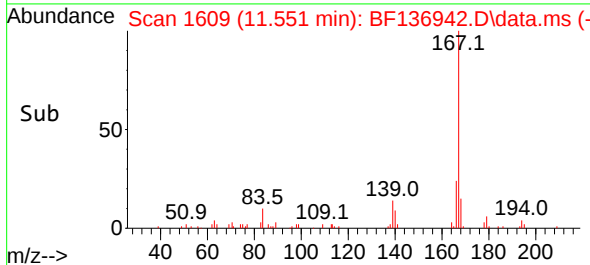
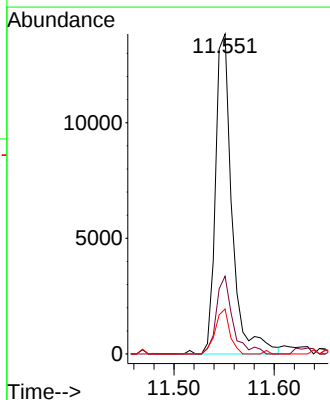
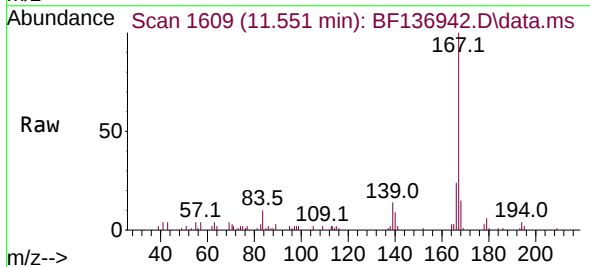
Manual Integrations
APPROVED

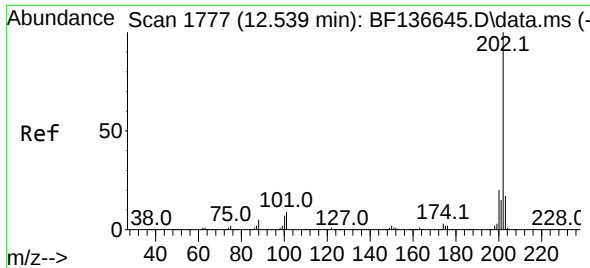
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#73
Carbazole
Concen: 2.041 ng
RT: 11.551 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

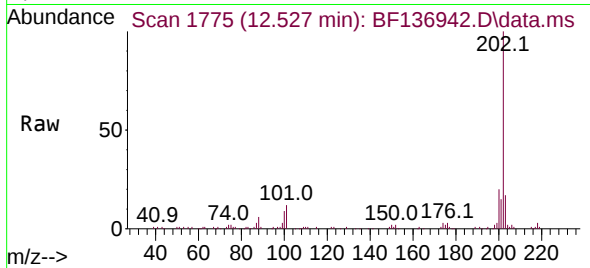
Tgt Ion:167 Resp: 15870
Ion Ratio Lower Upper
167 100
166 24.3 17.3 25.9
139 14.0 9.8 14.6





#75
Fluoranthene
Concen: 4.385 ng
RT: 12.527 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

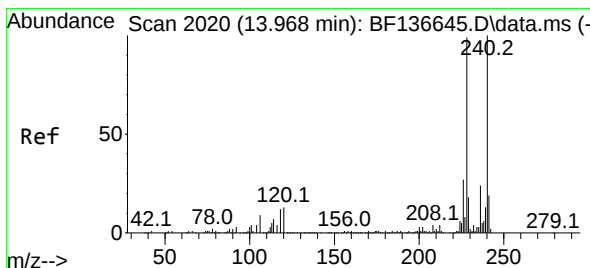
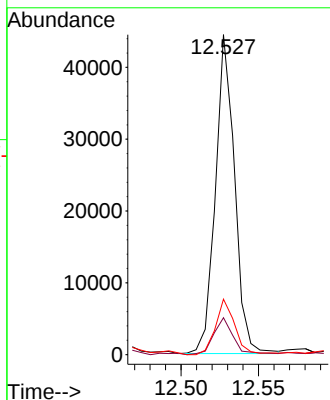
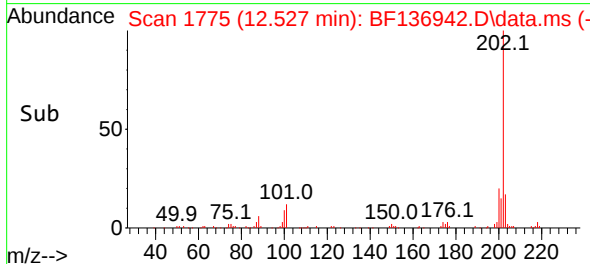
Instrument :
BNA_F
ClientSampleId :
T-803



Tgt Ion:202 Resp: 38190
Ion Ratio Lower Upper
202 100
101 11.6 0.0 29.3
203 17.4 0.0 37.1

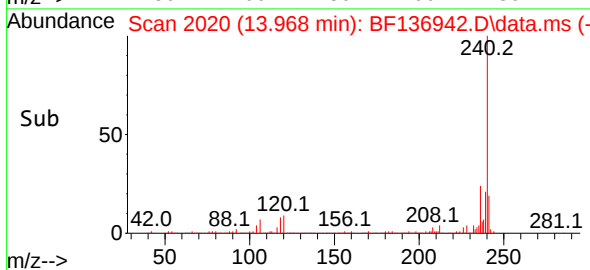
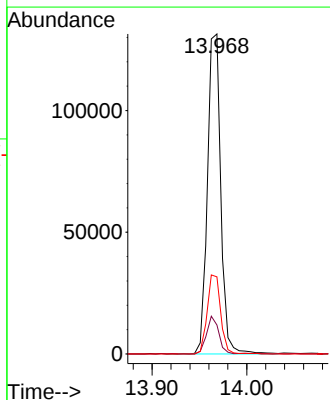
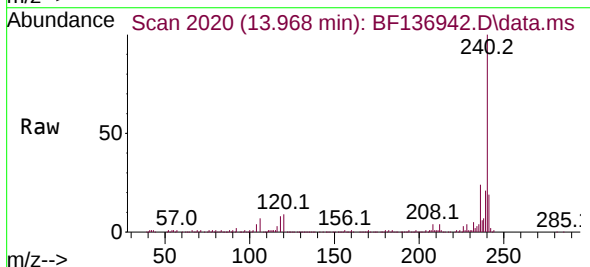
Manual Integrations
APPROVED

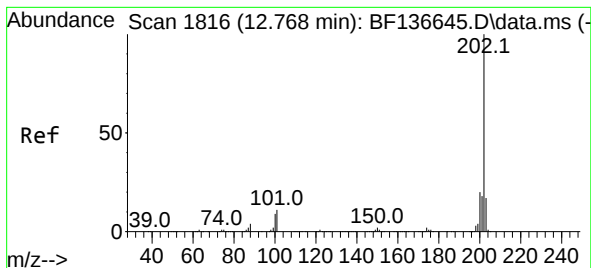
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion:240 Resp: 128529
Ion Ratio Lower Upper
240 100
120 9.0 10.3 15.5#
236 24.1 19.4 29.2





#78

Pyrene

Concen: 4.745 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

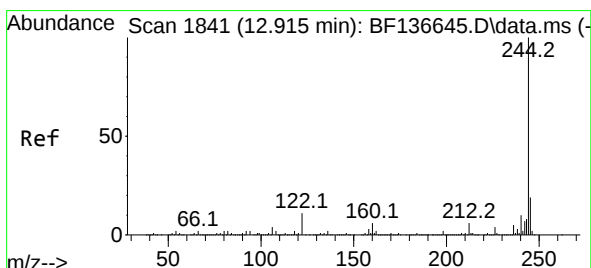
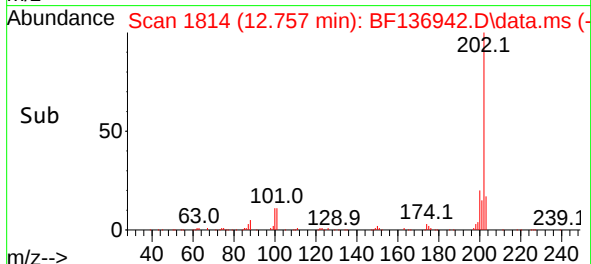
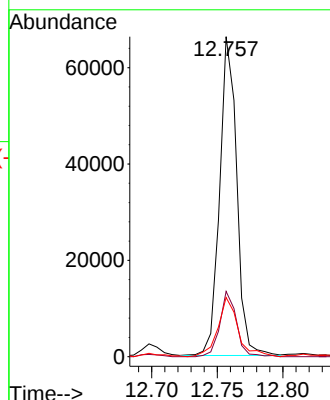
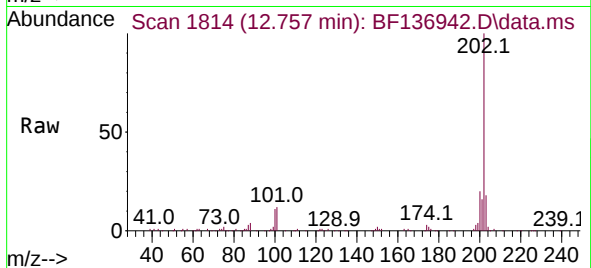
Tgt Ion:202 Resp: 59870
 Ion Ratio Lower Upper
 202 100
 200 20.4 15.9 23.9
 203 18.5 13.8 20.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#79

Terphenyl-d14

Concen: 72.522 ng

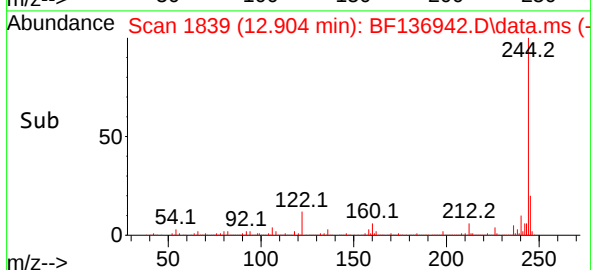
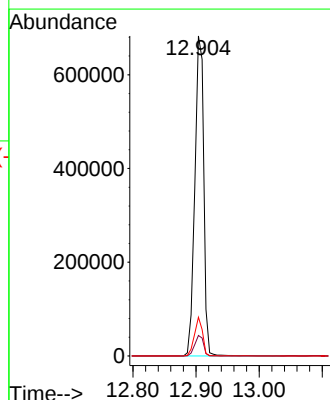
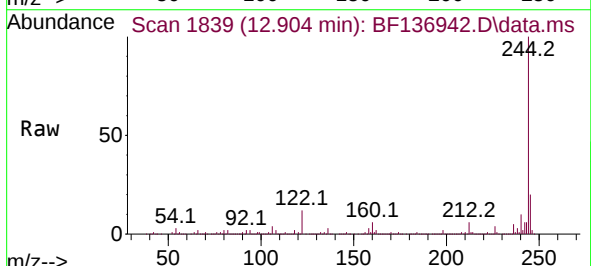
RT: 12.904 min Scan# 1839

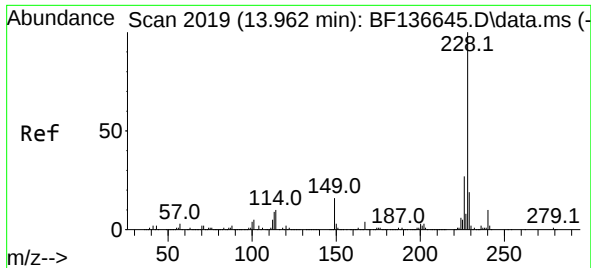
Delta R.T. -0.012 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

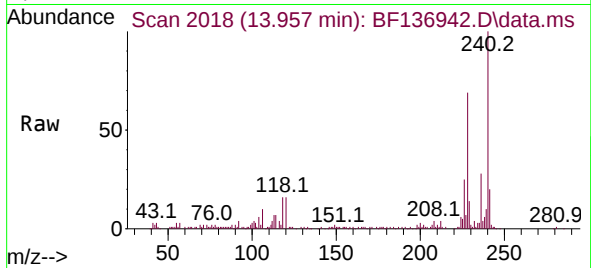
Tgt Ion:244 Resp: 667003
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 12.1 9.0 13.4





#81
Benzo(a)anthracene
Concen: 3.120 ng m
RT: 13.957 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

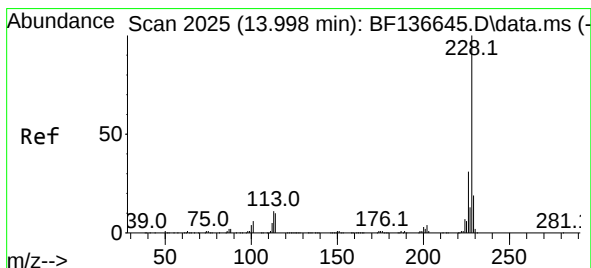
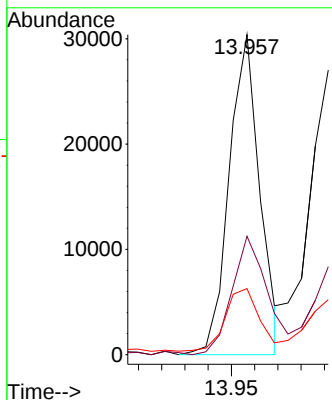
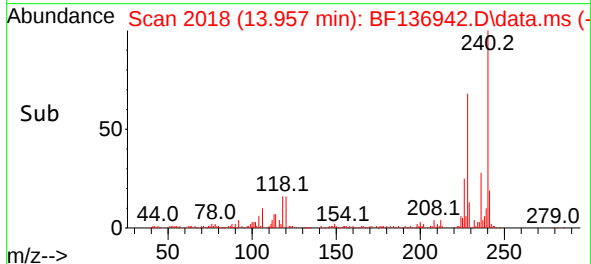
Instrument :
BNA_F
ClientSampleId :
T-803



Tgt Ion:228 Resp: 27849
Ion Ratio Lower Upper
228 100
226 37.0 21.4 32.0
229 20.7 14.9 22.3

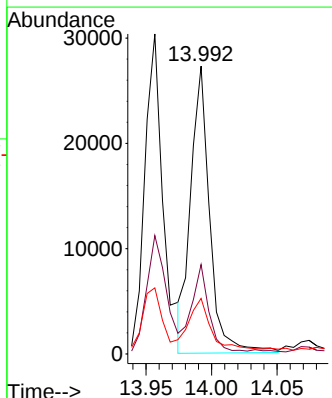
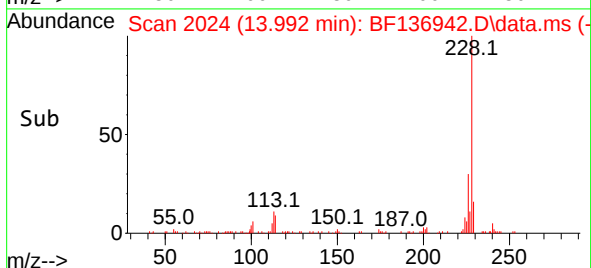
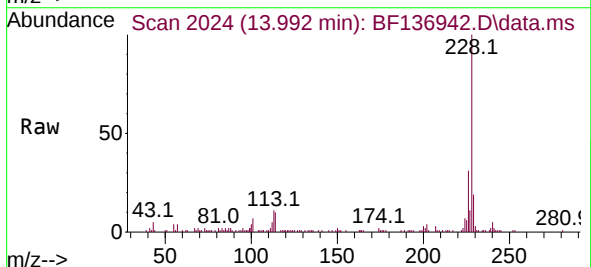
Manual Integrations
APPROVED

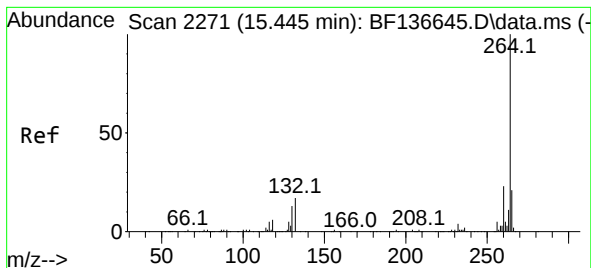
Reviewed By :Yogesh Patel 01/05/2024
Supervised By :mohammad ahmed 01/05/2024



#83
Chrysene
Concen: 3.152 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136942.D
Acq: 04 Jan 2024 15:45

Tgt Ion:228 Resp: 27507
Ion Ratio Lower Upper
228 100
226 31.1 24.7 37.1
229 19.3 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.006 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Instrument :

BNA_F

ClientSampleId :

T-803

Tgt Ion:264 Resp: 15521

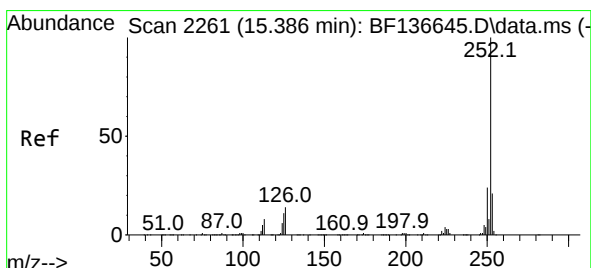
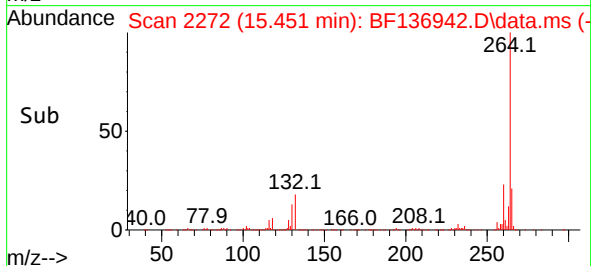
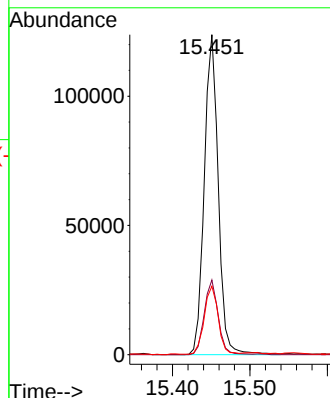
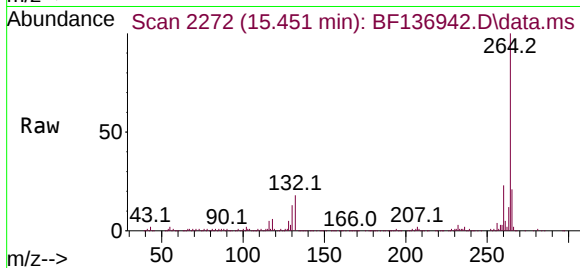
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.4	17.0	25.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/05/2024

Supervised By :mohammad ahmed 01/05/2024



#90

Benzo(a)pyrene

Concen: 2.207 ng

RT: 15.386 min Scan# 2261

Delta R.T. 0.000 min

Lab File: BF136942.D

Acq: 04 Jan 2024 15:45

Tgt Ion:252 Resp: 19315

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.7	8.8	13.2

