

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141464.D
 Acq On : 05 Feb 2025 22:49
 Operator : RC/JU
 Sample : Q1207-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.1-012725

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 06 01:50:29 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	59021	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	209153	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	95113	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	162078	20.000	ng	-0.01
76) Chrysene-d12	13.957	240	126468	20.000	ng	-0.02
86) Perylene-d12	15.421	264	93403	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	226196	58.836	ng	0.00
7) Phenol-d6	6.428	99	286818	58.645	ng	-0.01
23) Nitrobenzene-d5	7.351	82	185675	46.799	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	36383	41.725	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	303661	49.141	ng	-0.02
79) Terphenyl-d14	12.904	244	327648	39.954	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	12099	2.093	ng	96
58) Fluorene	10.375	166	13386	2.230	ng	97
71) Phenanthrene	11.339	178	171494	19.684	ng	99
72) Anthracene	11.386	178	53961	6.321	ng	99
75) Fluoranthene	12.527	202	260914	30.330	ng	97
78) Pyrene	12.757	202	256124	21.098	ng	99
81) Benzo(a)anthracene	13.951	228	110619	12.675	ng	95
83) Chrysene	13.986	228	78976	9.874	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	11936	2.219	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.862	276	36951	6.129	ng	# 89
88) Benzo(b)fluoranthene	15.004	252	80992m	13.785	ng	
89) Benzo(k)fluoranthene	15.015	252	33139m	6.367	ng	
90) Benzo(a)pyrene	15.357	252	63244	12.738	ng	# 92
92) Benzo(g,h,i)perylene	17.298	276	33017	6.547	ng	94

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

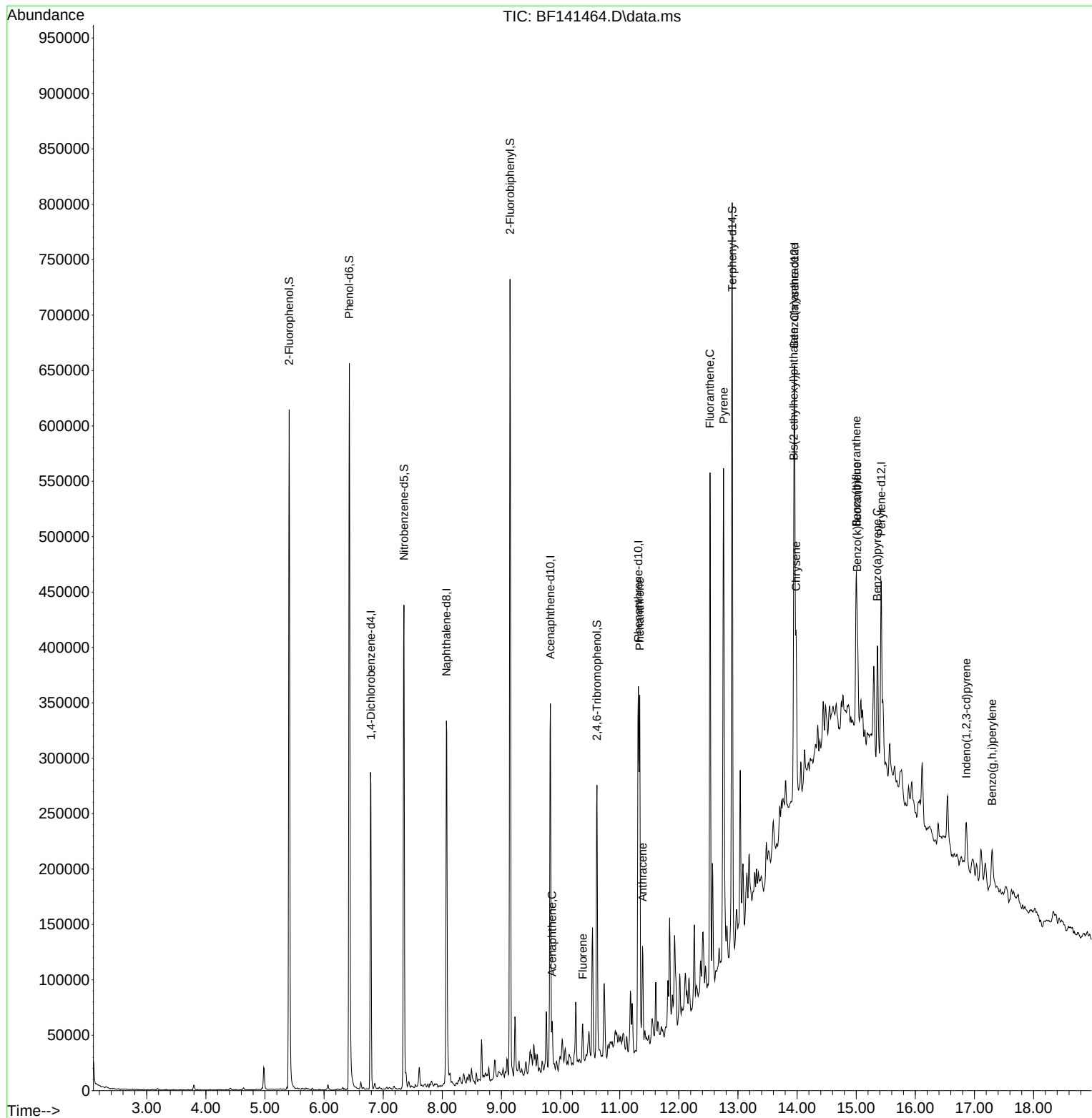
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141464.D
Acq On : 05 Feb 2025 22:49
Operator : RC/JU
Sample : Q1207-07
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ALS Vial : 19 Sample Multiplier: 1

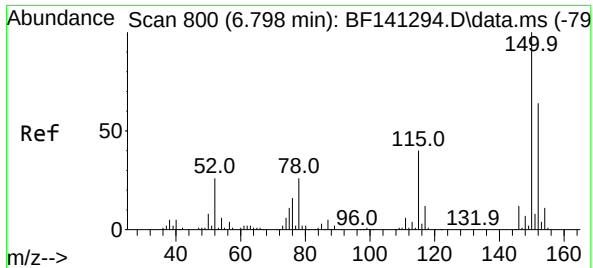
Instrument :
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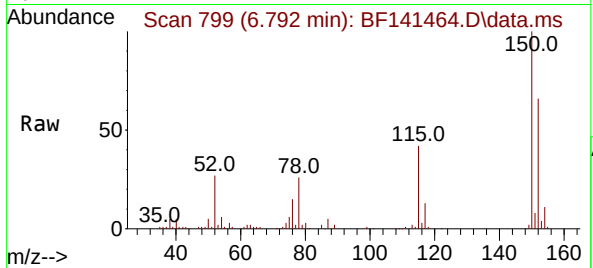
Quant Time: Feb 06 01:50:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 29 17:41:25 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

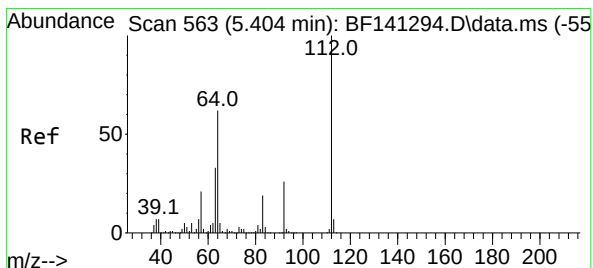
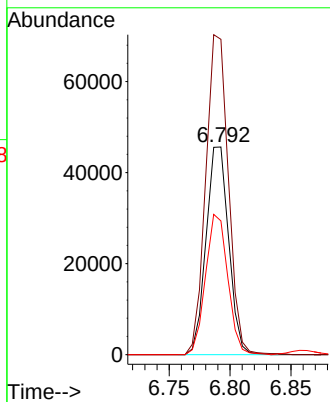
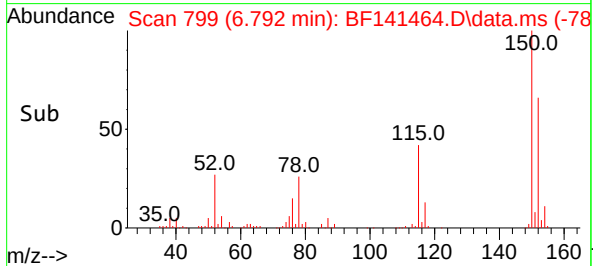
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725



Tgt Ion:152 Resp: 5902
Ion Ratio Lower Upper
152 100
150 151.8 125.9 188.9
115 64.4 49.7 74.5

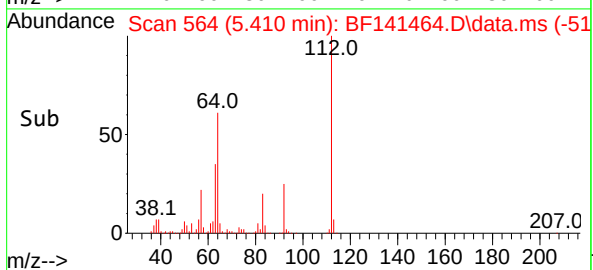
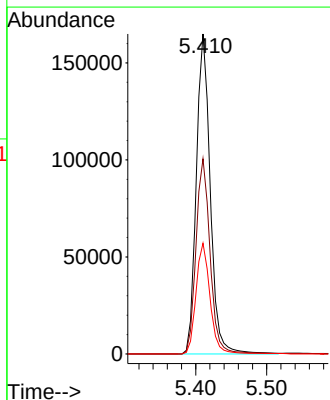
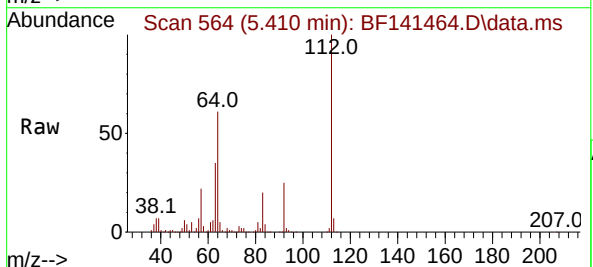
Manual Integrations
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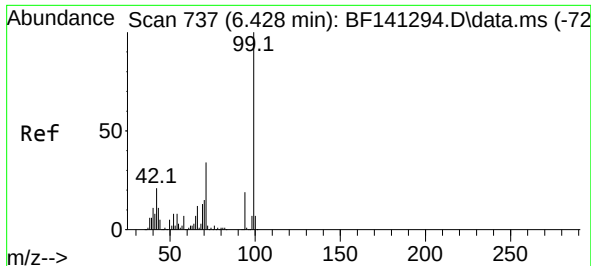
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#5
2-Fluorophenol
Concen: 58.836 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

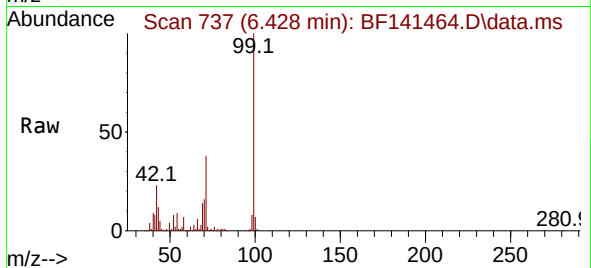
Tgt Ion:112 Resp: 226196
Ion Ratio Lower Upper
112 100
64 61.0 49.8 74.8
63 34.6 26.1 39.1





#7
Phenol-d6
Concen: 58.645 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

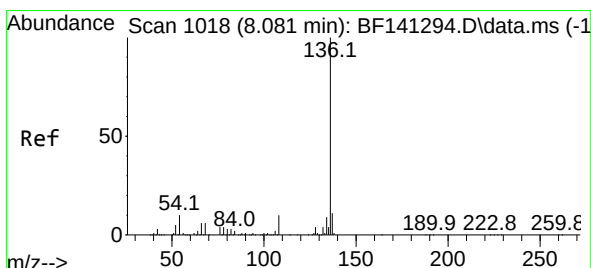
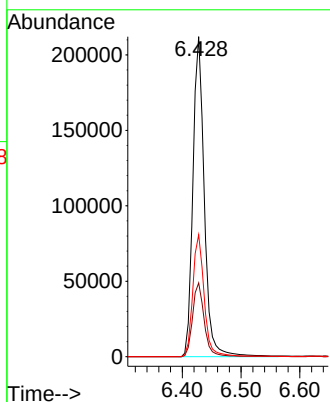
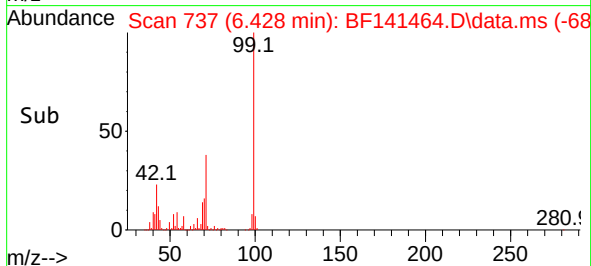
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725



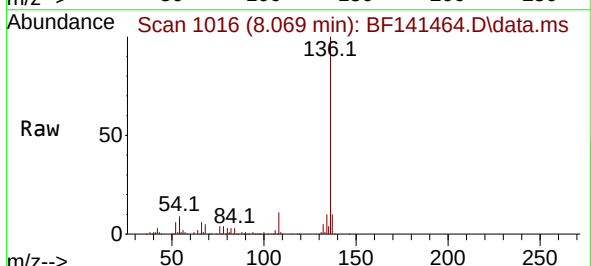
Tgt Ion: 99 Resp: 286818
Ion Ratio Lower Upper
99 100
42 23.1 17.1 25.7
71 38.1 26.9 40.3

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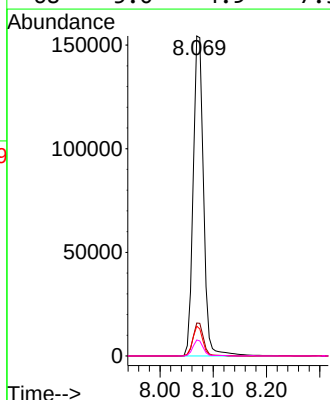
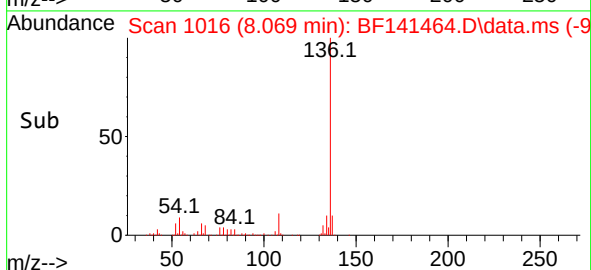
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

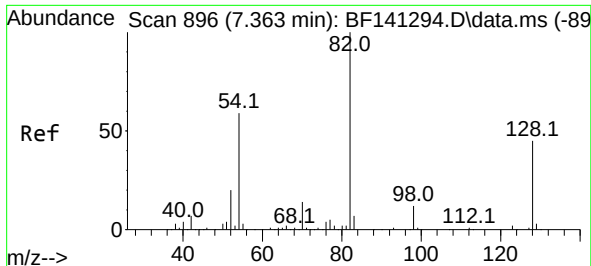


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49



Tgt Ion:136 Resp: 209153
Ion Ratio Lower Upper
136 100
137 10.3 8.6 13.0
54 9.3 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 46.799 ng

RT: 7.351 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

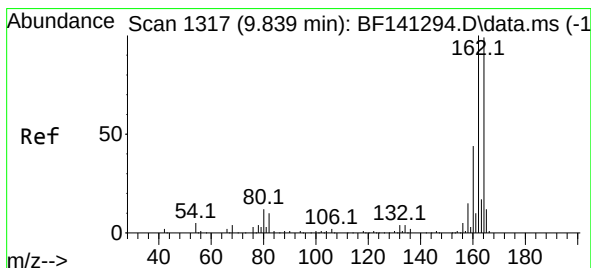
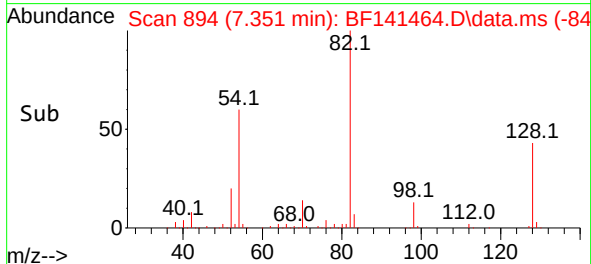
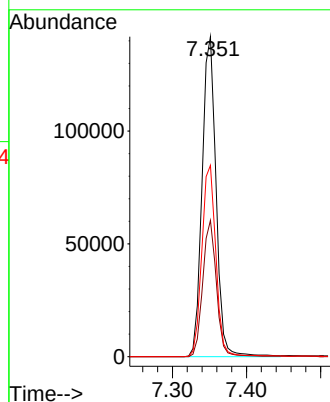
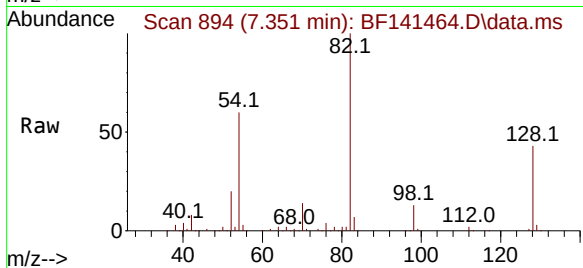
JPP-5.1-012725

Tgt Ion: 82 Resp: 185679
 Ion Ratio Lower Upper
 82 100
 128 42.6 35.7 53.5
 54 59.8 47.1 70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

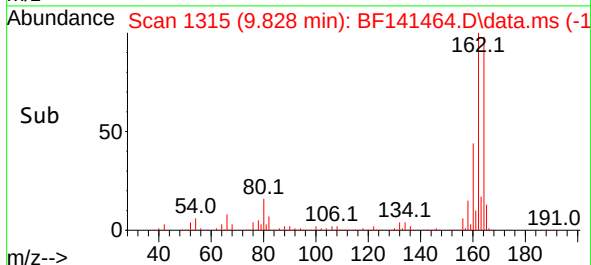
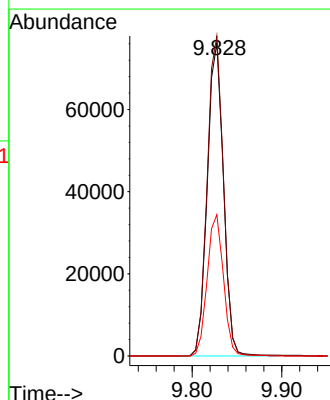
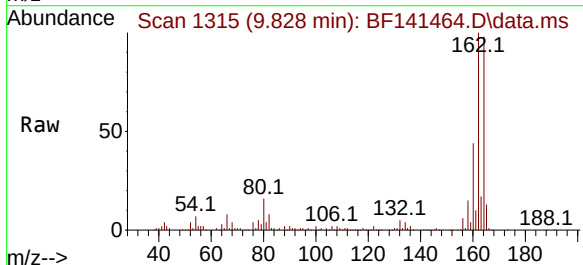
RT: 9.828 min Scan# 1315

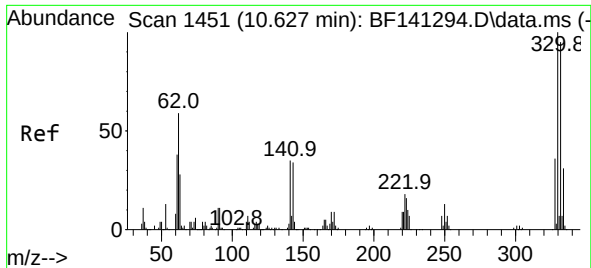
Delta R.T. -0.012 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

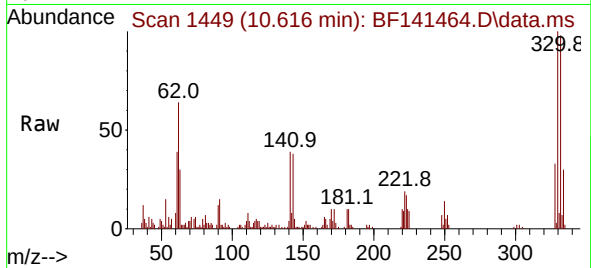
Tgt Ion:164 Resp: 95113
 Ion Ratio Lower Upper
 164 100
 162 102.3 80.6 121.0
 160 45.1 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 41.725 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

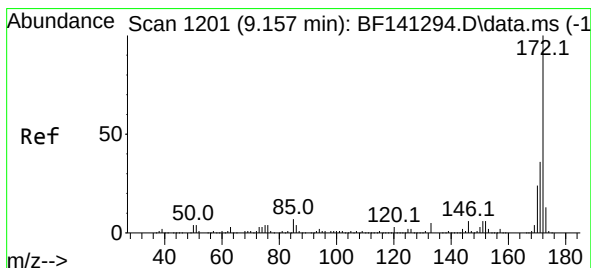
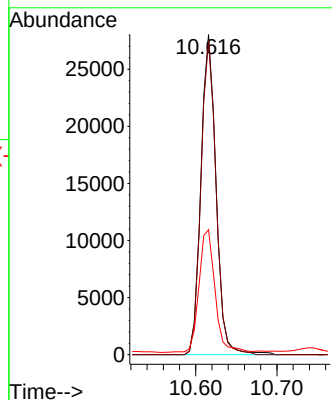
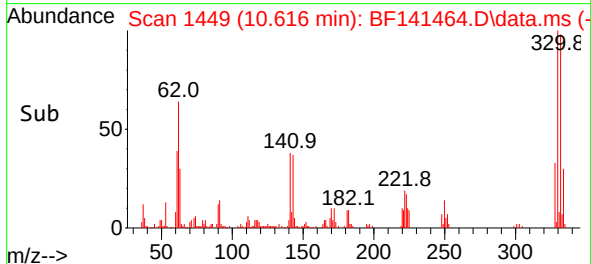
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725



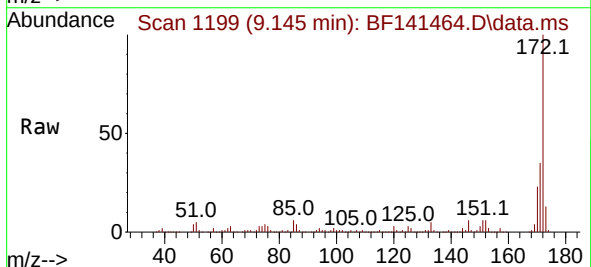
Tgt Ion: 330 Resp: 3638
Ion Ratio Lower Upper
330 100
332 97.4 76.1 114.1
141 40.6 28.8 43.2

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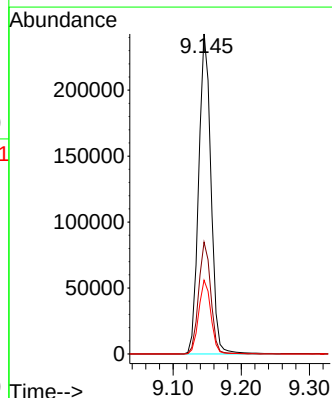
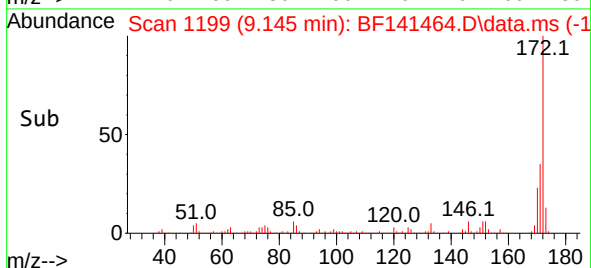
Reviewed By :Yogesh Patel 02/06/2025
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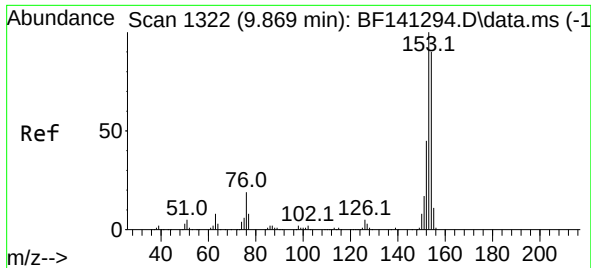


#45
2-Fluorobiphenyl
Concen: 49.141 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49



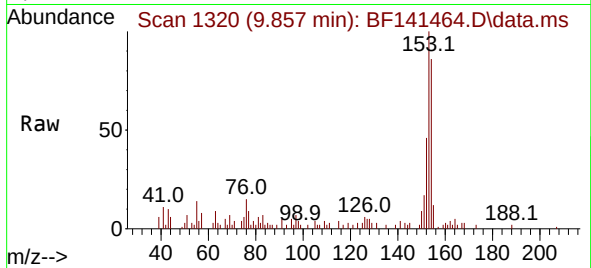
Tgt Ion: 172 Resp: 303661
Ion Ratio Lower Upper
172 100
171 34.9 28.8 43.2
170 23.0 19.0 28.6





#52
Acenaphthene
Concen: 2.093 ng
RT: 9.857 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

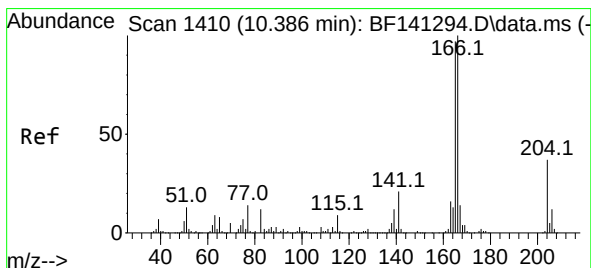
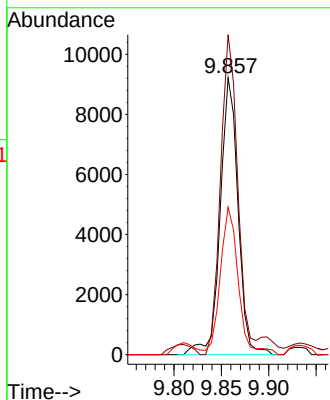
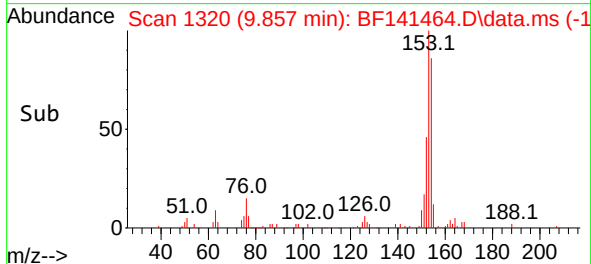
Instrument :
BNA_F
ClientSampleId :
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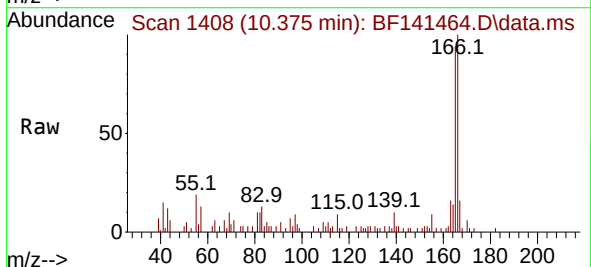
Tgt Ion:154 Resp: 12099
Ion Ratio Lower Upper
154 100
153 115.6 89.0 133.4
152 53.3 40.2 60.4

Manual Integrations
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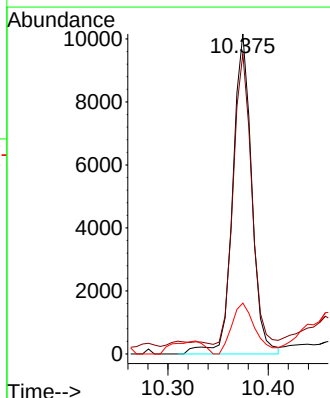
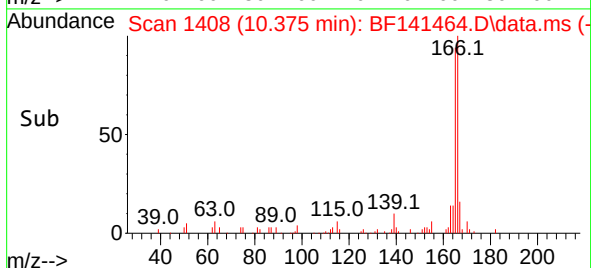
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

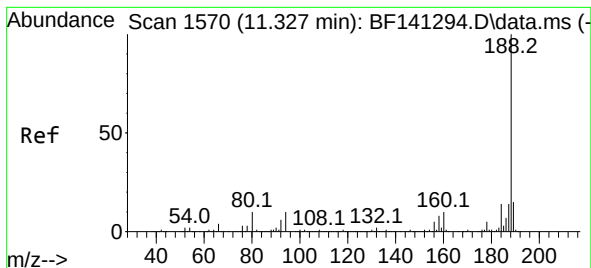


#58
Fluorene
Concen: 2.230 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49



Tgt Ion:166 Resp: 13386
Ion Ratio Lower Upper
166 100
165 93.9 77.5 116.3
167 15.9 10.9 16.3





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1568

Delta R.T. -0.012 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

Tgt Ion:188 Resp: 162078

Ion Ratio Lower Upper

188 100

94 7.8 7.8 11.6

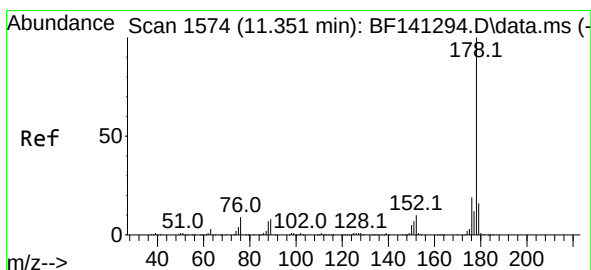
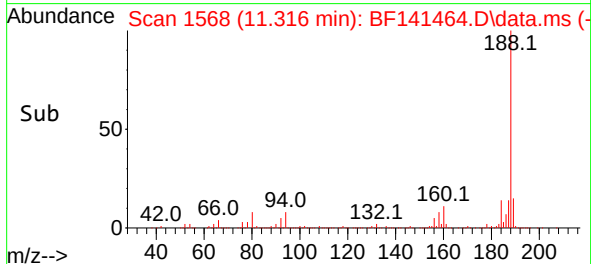
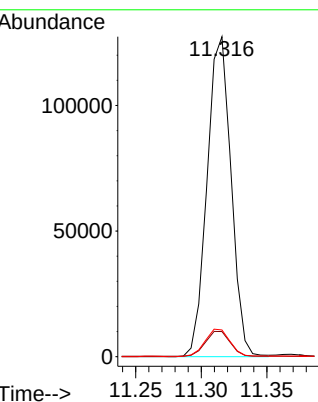
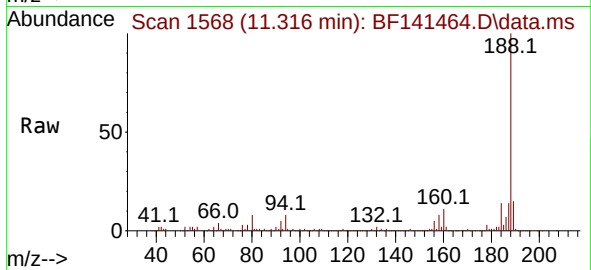
80 8.3 8.2 12.4

Manual Integrations

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Supervised By :mohammad ahmed 02/06/2025



#71

Phenanthrene

Concen: 19.684 ng

RT: 11.339 min Scan# 1572

Delta R.T. -0.012 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

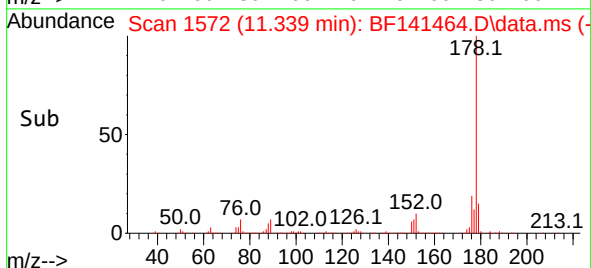
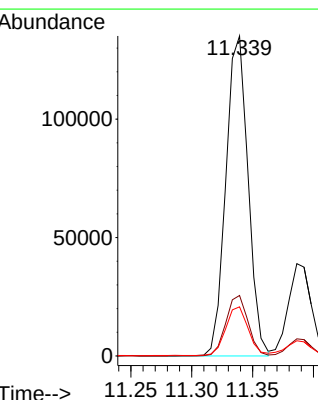
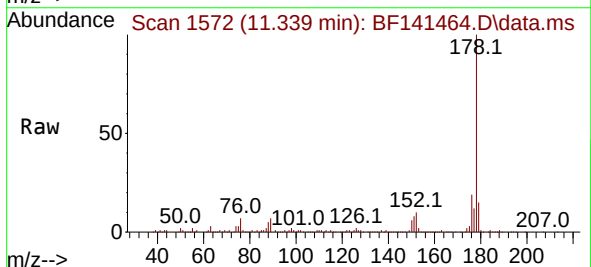
Tgt Ion:178 Resp: 171494

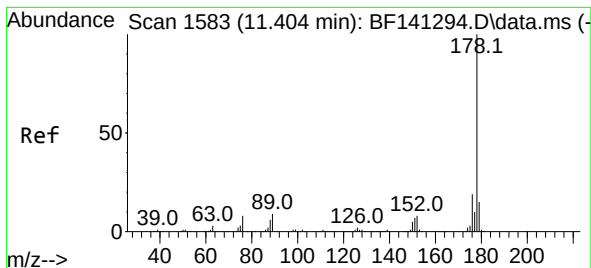
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.3 12.5 18.7





#72

Anthracene

Concen: 6.321 ng

RT: 11.386 min Scan# 1583

Delta R.T. -0.018 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

Tgt Ion:178 Resp: 5396

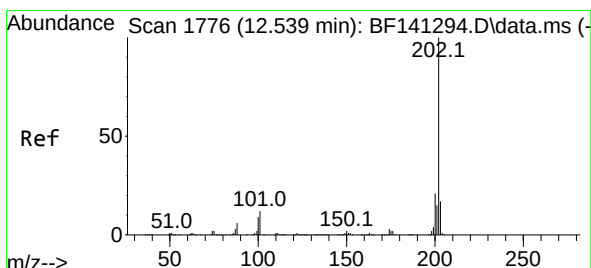
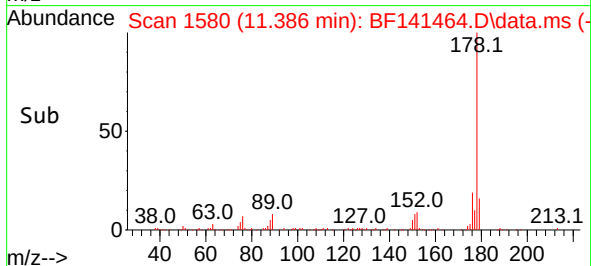
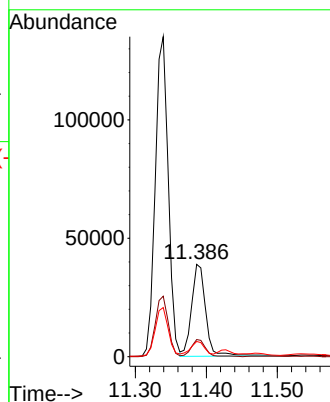
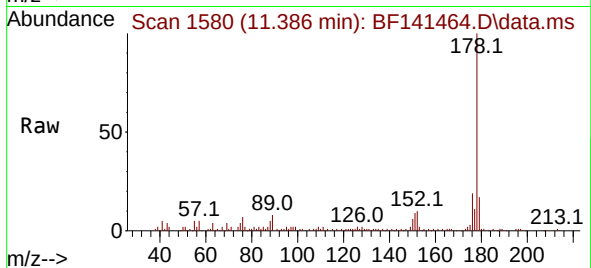
Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	16.5	12.3	18.5

Manual Integrations

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Supervised By :mohammad ahmed 02/06/2025



#75

Fluoranthene

Concen: 30.330 ng

RT: 12.527 min Scan# 1774

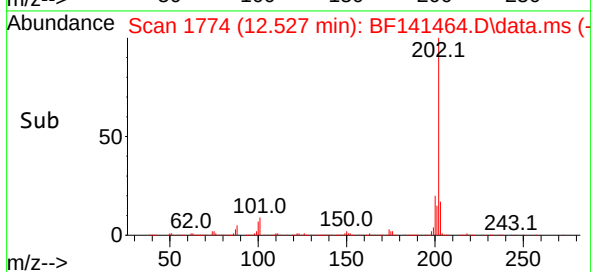
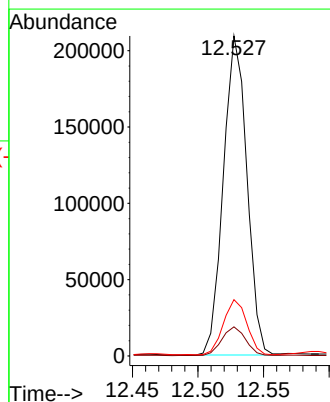
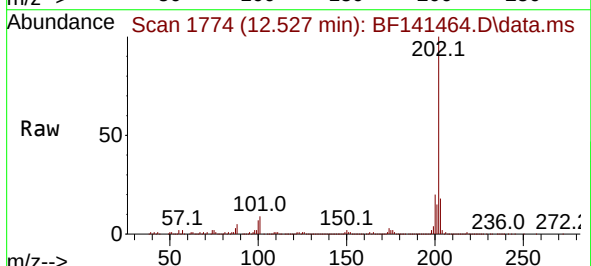
Delta R.T. -0.012 min

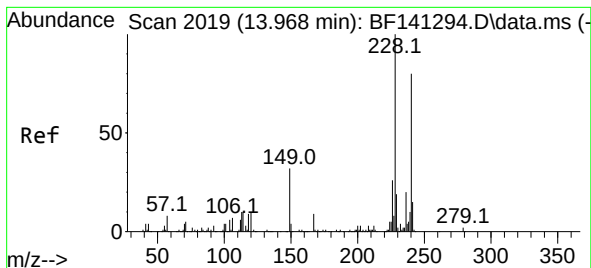
Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Tgt Ion:202 Resp: 260914

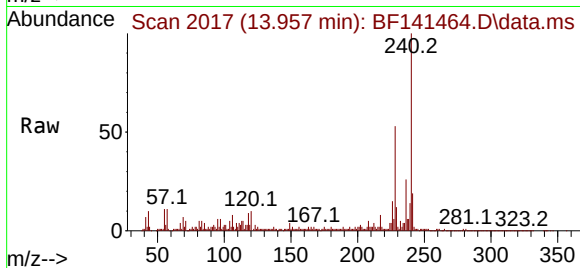
Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	31.7
203	17.6	0.0	37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49

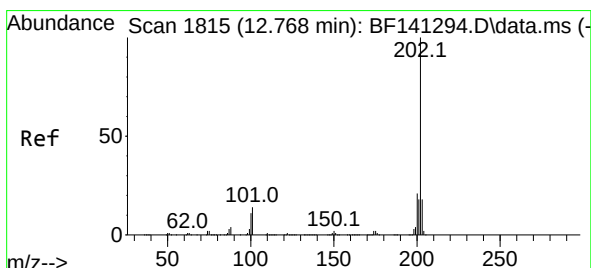
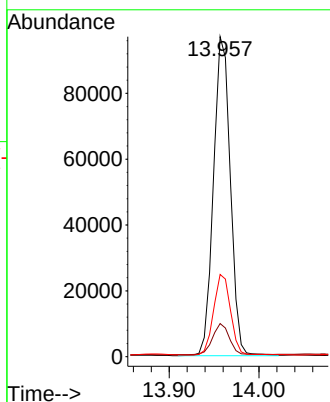
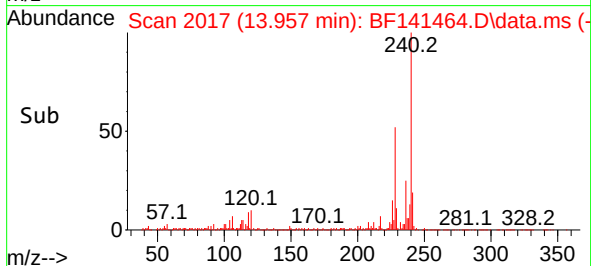
Instrument :
BNA_F
ClientSampleId :
JPP-5.1-012725



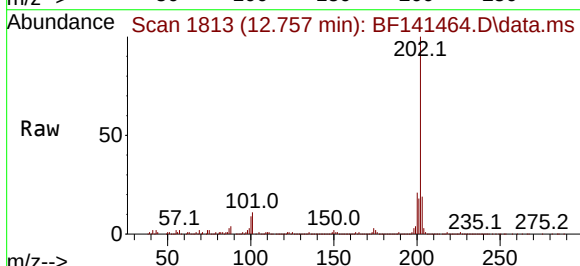
Tgt Ion:240 Resp: 126468
Ion Ratio Lower Upper
240 100
120 10.3 10.0 15.0
236 25.7 19.7 29.5

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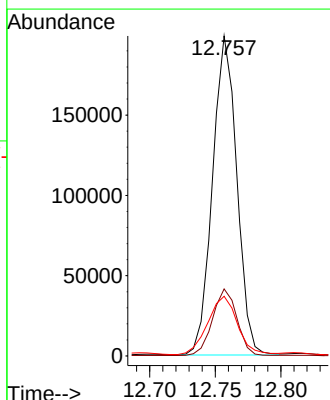
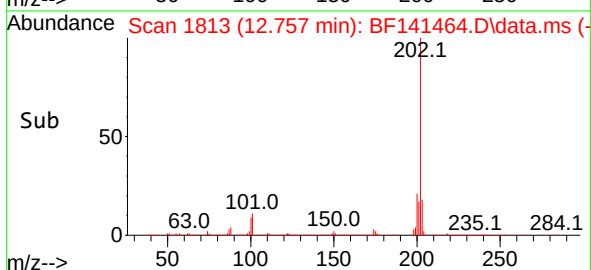
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

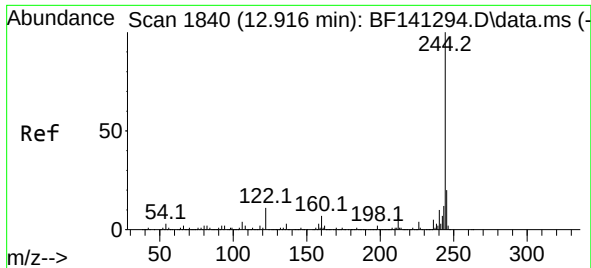


#78
Pyrene
Concen: 21.098 ng
RT: 12.757 min Scan# 1813
Delta R.T. -0.012 min
Lab File: BF141464.D
Acq: 05 Feb 2025 22:49



Tgt Ion:202 Resp: 256124
Ion Ratio Lower Upper
202 100
200 20.9 17.0 25.4
203 18.7 14.3 21.5





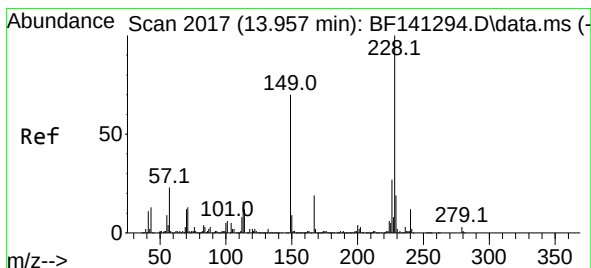
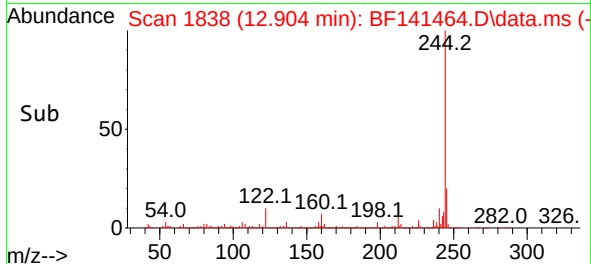
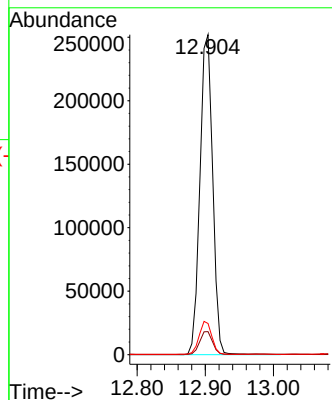
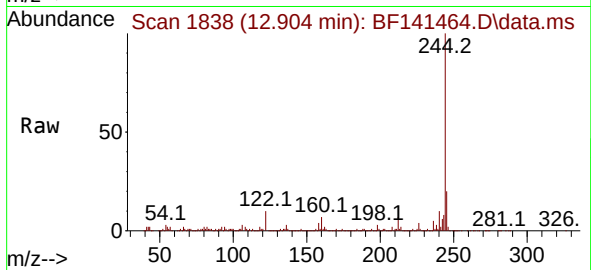
#79
 Terphenyl-d14
 Concen: 39.954 ng
 RT: 12.904 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141464.D
 Acq: 05 Feb 2025 22:49

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.1-012725

Tgt Ion:244 Resp: 32764
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 9.8 8.8 13.2

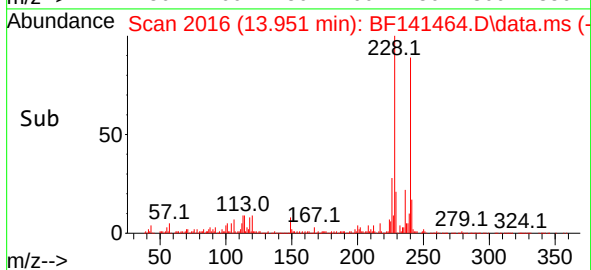
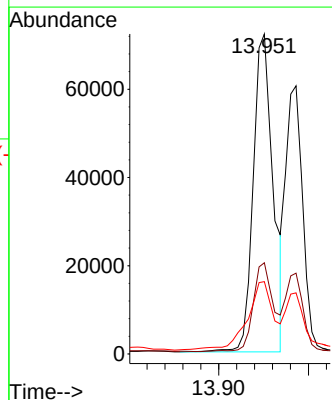
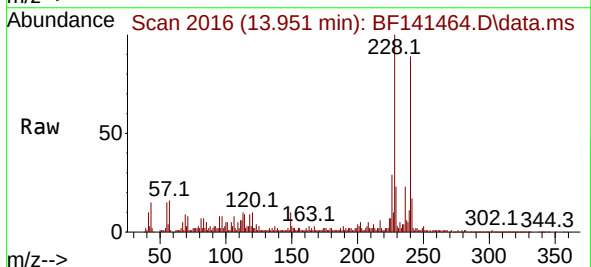
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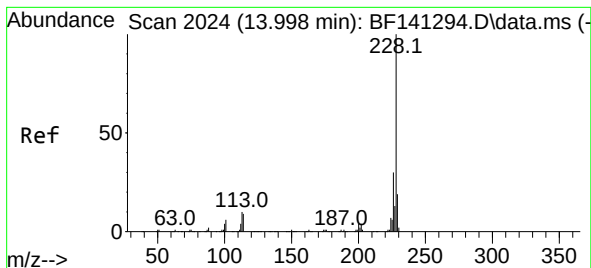
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#81
 Benzo(a)anthracene
 Concen: 12.675 ng
 RT: 13.951 min Scan# 2016
 Delta R.T. -0.012 min
 Lab File: BF141464.D
 Acq: 05 Feb 2025 22:49

Tgt Ion:228 Resp: 110619
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.4 32.2
 229 22.6 15.5 23.3





#83

Chrysene

Concen: 9.874 ng

RT: 13.986 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

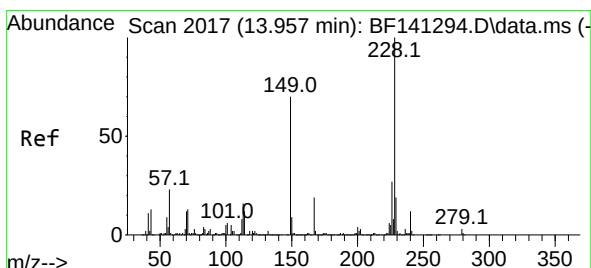
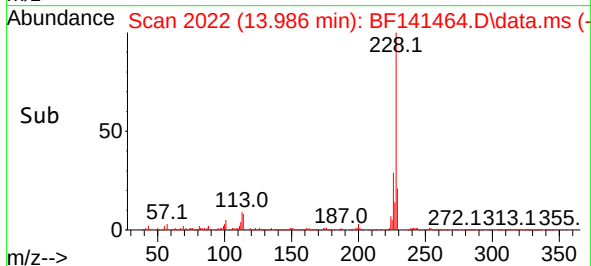
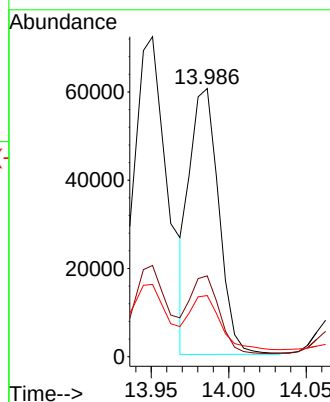
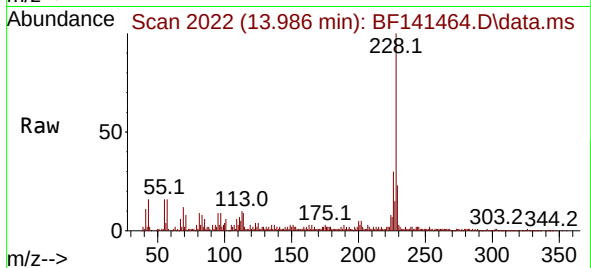
Tgt Ion:228 Resp: 78970
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.1 36.1
 229 22.8 15.6 23.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.219 ng

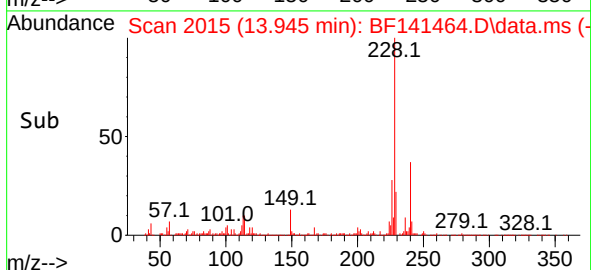
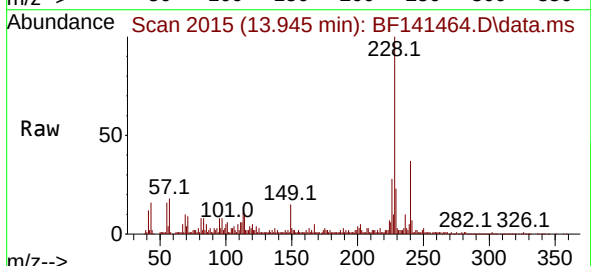
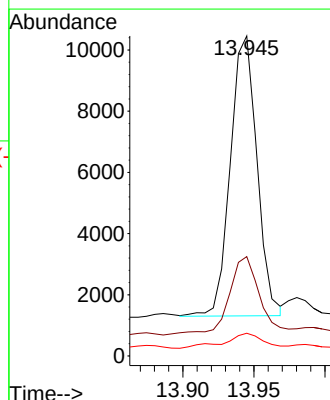
RT: 13.945 min Scan# 2015

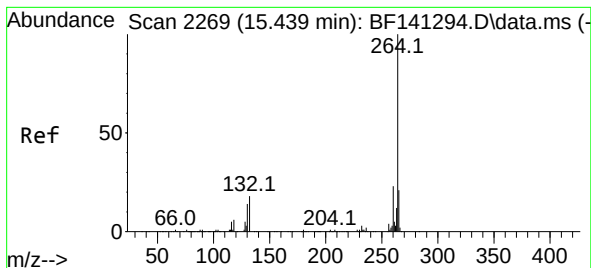
Delta R.T. -0.012 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Tgt Ion:149 Resp: 11936
 Ion Ratio Lower Upper
 149 100
 167 31.0 21.8 32.8
 279 7.1 3.3 4.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

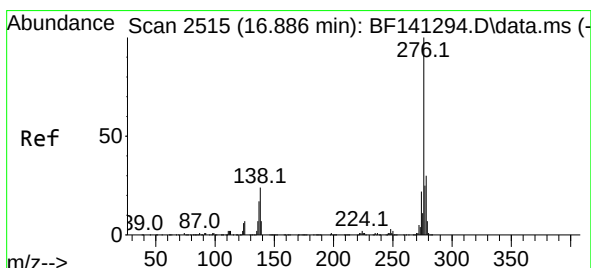
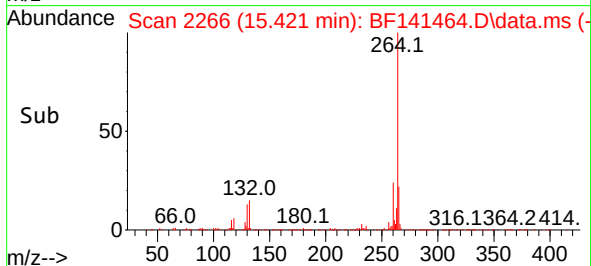
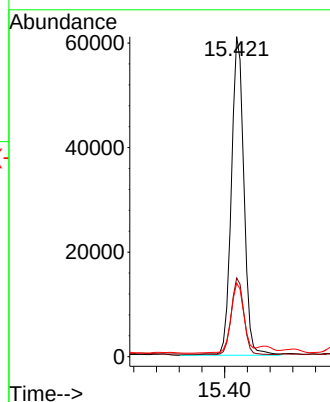
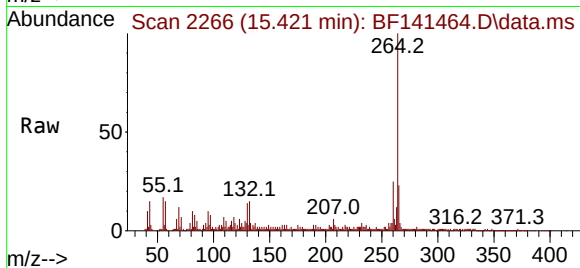
Tgt Ion:	264	Resp:	9340
Ion Ratio	Lower	Upper	
264	100		
260	24.6	18.6	27.8
265	23.0	16.7	25.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 6.129 ng

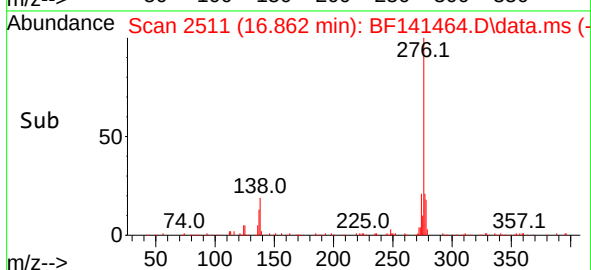
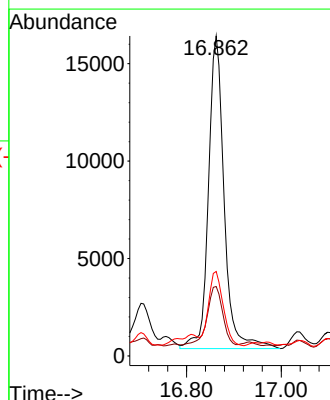
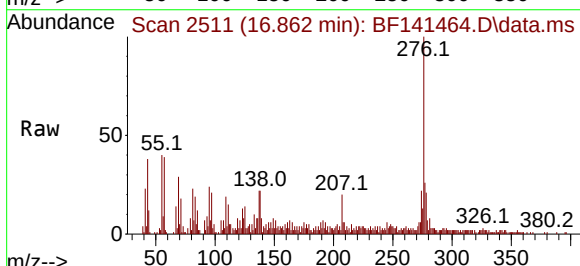
RT: 16.862 min Scan# 2511

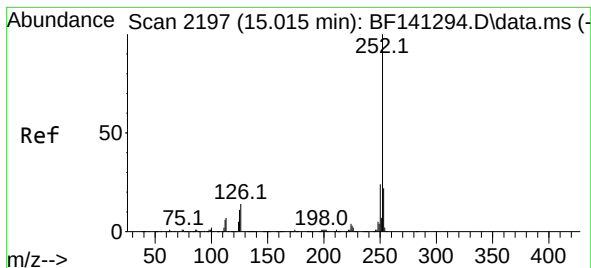
Delta R.T. -0.035 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Tgt Ion:	276	Resp:	36951
Ion Ratio	Lower	Upper	
276	100		
138	19.4	21.7	32.5
277	22.2	20.3	30.5





#88

Benzo(b)fluoranthene

Concen: 13.785 ng m

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

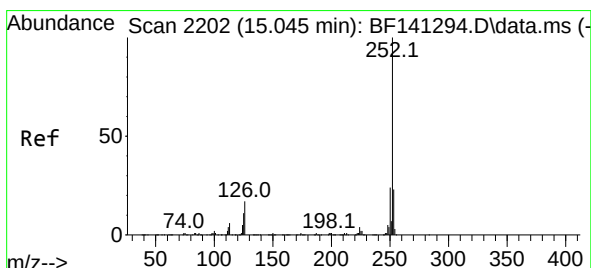
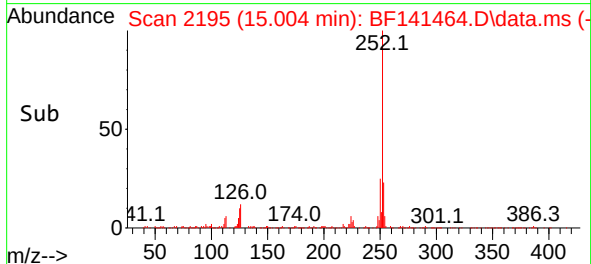
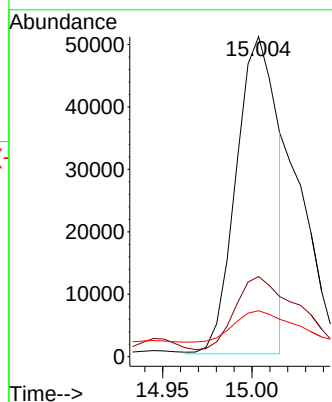
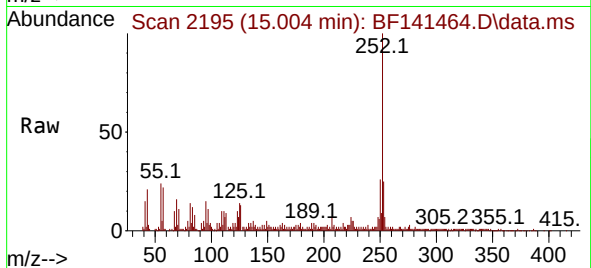
Tgt Ion:252 Resp: 80992
 Ion Ratio Lower Upper
 252 100
 253 25.0 17.4 26.2
 125 14.3 8.6 12.8

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#89

Benzo(k)fluoranthene

Concen: 6.367 ng m

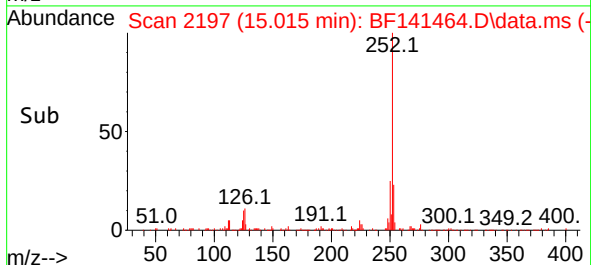
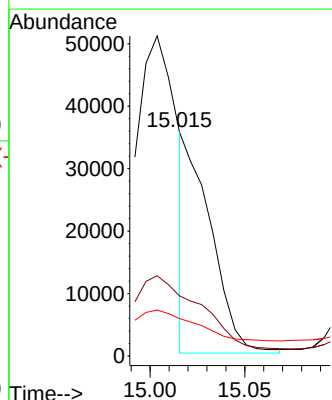
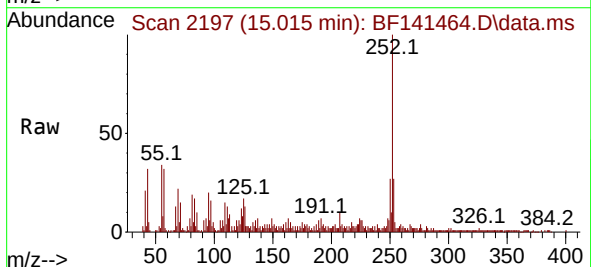
RT: 15.015 min Scan# 2197

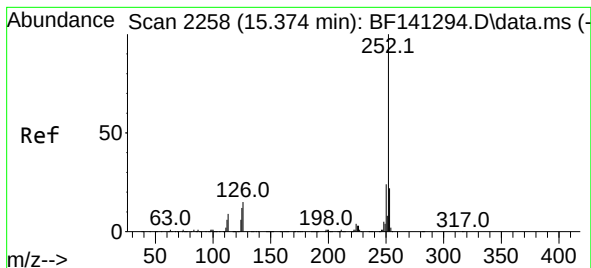
Delta R.T. -0.035 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Tgt Ion:252 Resp: 33139
 Ion Ratio Lower Upper
 252 100
 253 26.8 17.6 26.4#
 125 16.7 8.4 12.6#





#90

Benzo(a)pyrene

Concen: 12.738 ng

RT: 15.357 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Instrument :

BNA_F

ClientSampleId :

JPP-5.1-012725

Tgt Ion:252 Resp: 63244

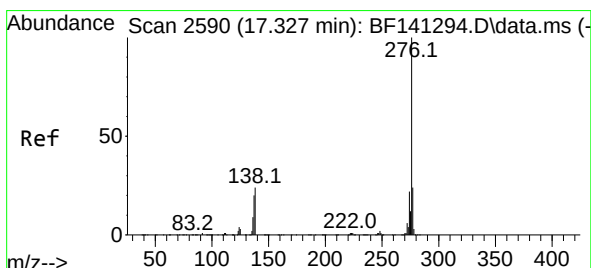
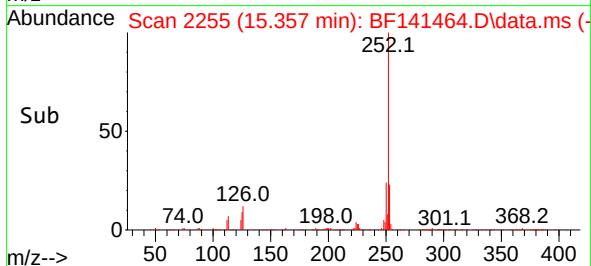
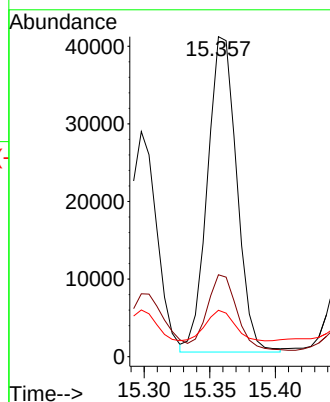
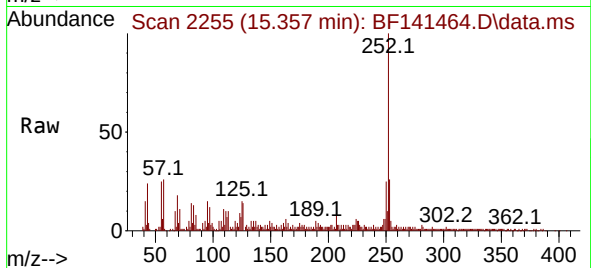
Ion	Ratio	Lower	Upper
252	100		
253	25.6	17.2	25.8
125	14.5	9.4	14.2

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#92

Benzo(g,h,i)perylene

Concen: 6.547 ng

RT: 17.298 min Scan# 2585

Delta R.T. -0.047 min

Lab File: BF141464.D

Acq: 05 Feb 2025 22:49

Tgt Ion:276 Resp: 33017

Ion	Ratio	Lower	Upper
276	100		
277	27.6	19.2	28.8
138	21.5	19.0	28.4

