

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141461.D
 Acq On : 05 Feb 2025 21:31
 Operator : RC/JU
 Sample : Q1206-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.1-012725

Manual Integrations
 APPROVED

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

Quant Time: Feb 06 01:48:53 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	6.787	152	73862	20.000	ng	-0.02
21) Naphthalene-d8	8.069	136	280125	20.000	ng	-0.02
39) Acenaphthene-d10	9.828	164	130310	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	189517	20.000	ng	#-0.01
76) Chrysene-d12	13.963	240	150837	20.000	ng	#-0.01
86) Perylene-d12	15.421	264	120024	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	337955	70.243	ng	0.00
7) Phenol-d6	6.428	99	421991	68.947	ng	-0.01
23) Nitrobenzene-d5	7.351	82	276299	51.996	ng	-0.02
42) 2,4,6-Tribromophenol	10.616	330	80152	67.093	ng	-0.02
45) 2-Fluorobiphenyl	9.145	172	422567	49.913	ng	-0.02
79) Terphenyl-d14	12.898	244	347592	35.538	ng	-0.02
Target Compounds						Qvalue
52) Acenaphthene	9.857	154	41542	5.244	ng	100
55) Dibenzofuran	10.028	168	25715	2.425	ng	# 92
58) Fluorene	10.375	166	37170	4.519	ng	99
71) Phenanthrene	11.339	178	525201	51.554	ng	99
72) Anthracene	11.386	178	162149	16.245	ng	99
73) Carbazole	11.545	167	31202	3.525	ng	98
75) Fluoranthene	12.533	202	933061	92.760	ng	97
78) Pyrene	12.763	202	907784	62.697	ng	99
81) Benzo(a)anthracene	13.951	228	479288	46.047	ng	96
83) Chrysene	13.986	228	351866	36.886	ng	97
87) Indeno(1,2,3-cd)pyrene	16.857	276	139810m	18.048	ng	
88) Benzo(b)fluoranthene	15.004	252	387674m	51.349	ng	
89) Benzo(k)fluoranthene	15.015	252	138999m	20.783	ng	
90) Benzo(a)pyrene	15.357	252	288104	45.158	ng	96
91) Dibenzo(a,h)anthracene	16.868	278	36986m	5.934	ng	
92) Benzo(g,h,i)perylene	17.298	276	136111	21.003	ng	# 94

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

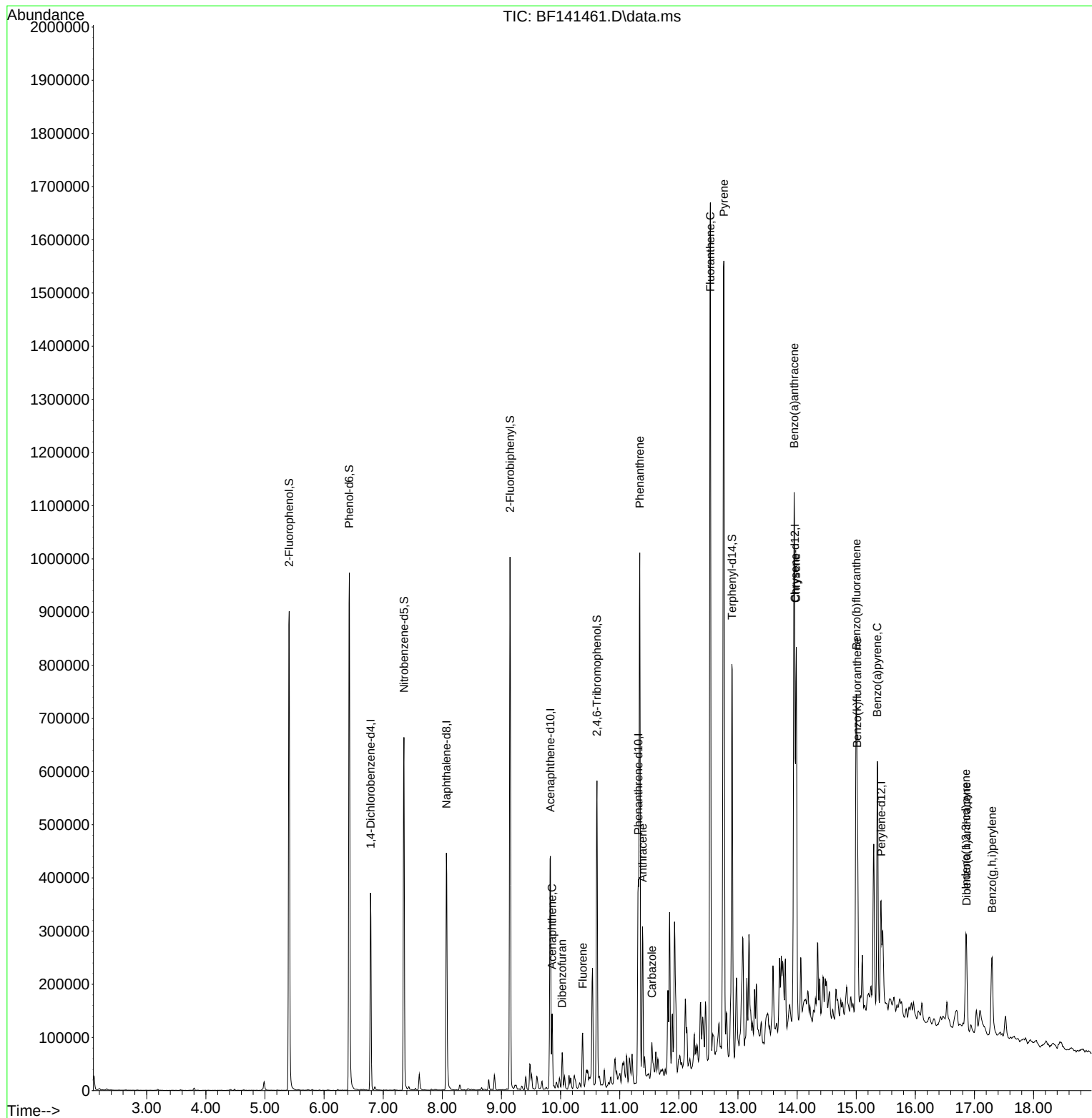
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
Data File : BF141461.D
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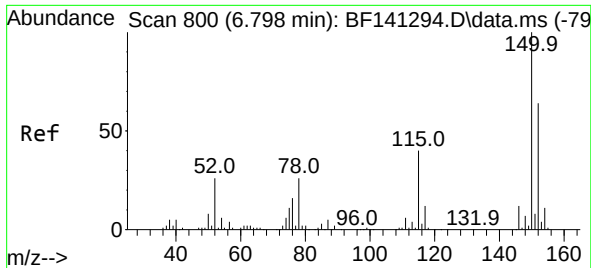
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Quant Time: Feb 06 01:48:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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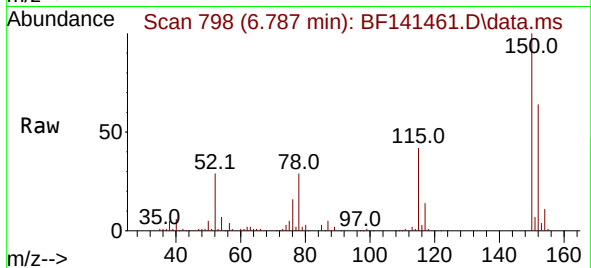
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.017 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

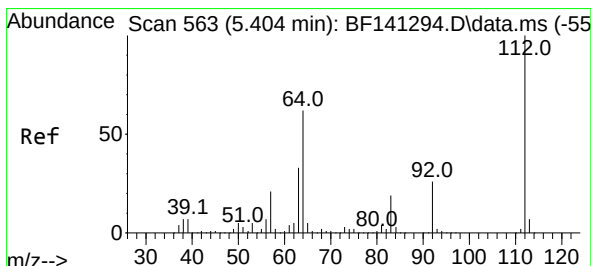
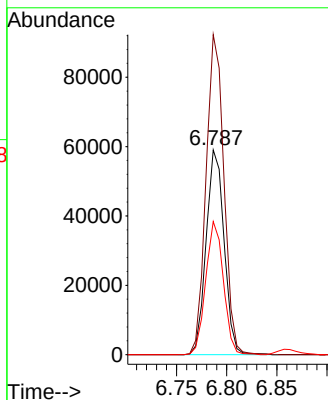
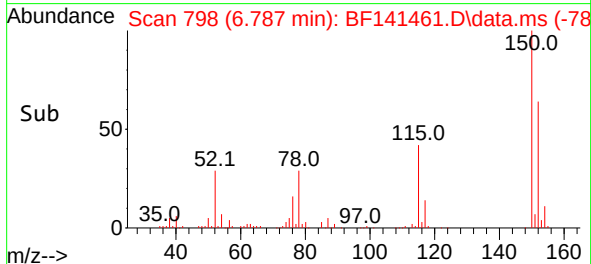
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Tgt Ion:152 Resp: 73862
Ion Ratio Lower Upper
152 100
150 156.3 125.9 188.9
115 65.0 49.7 74.5

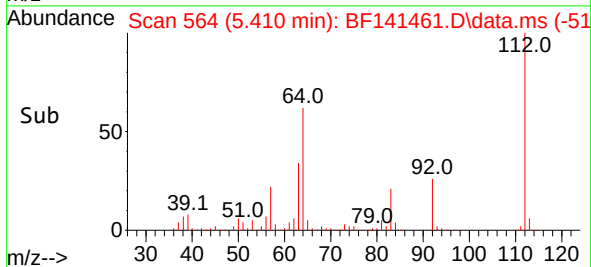
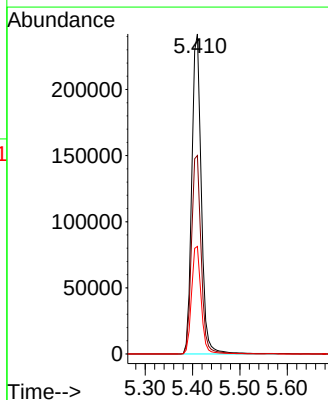
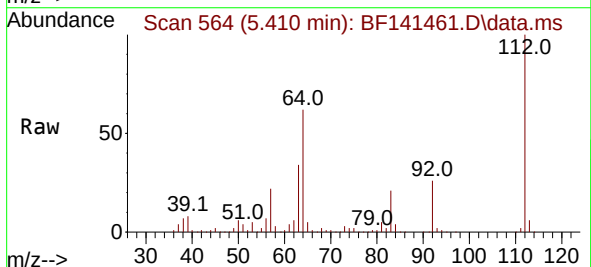
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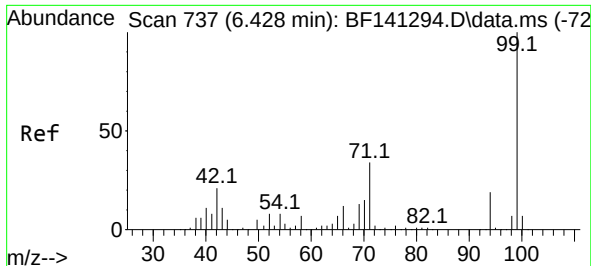
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#5
2-Fluorophenol
Concen: 70.243 ng
RT: 5.410 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

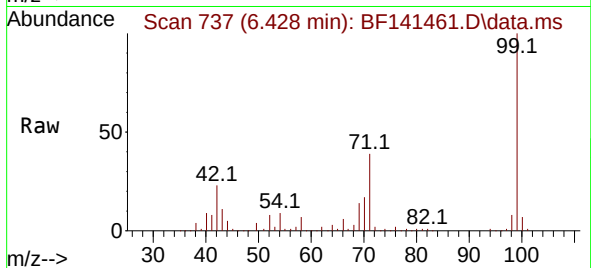
Tgt Ion:112 Resp: 337955
Ion Ratio Lower Upper
112 100
64 62.0 49.8 74.8
63 33.6 26.1 39.1





#7
Phenol-d6
Concen: 68.947 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

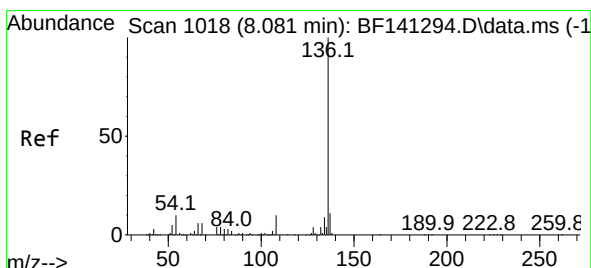
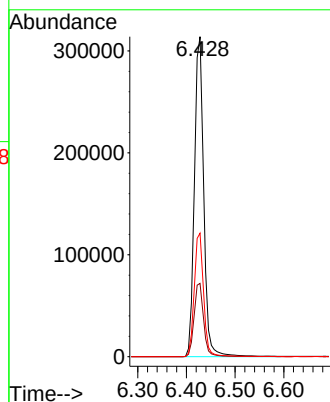
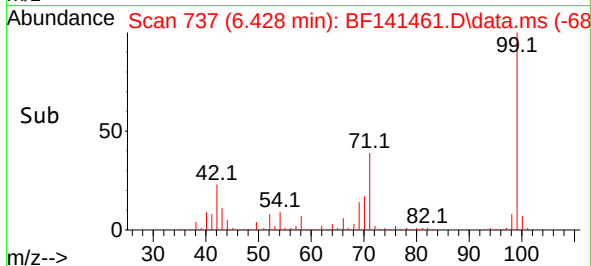
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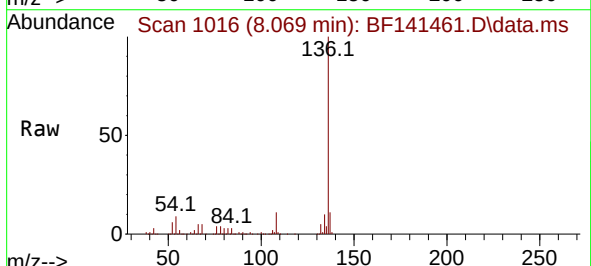
Tgt Ion: 99 Resp: 42199
Ion Ratio Lower Upper
99 100
42 22.9 17.1 25.7
71 38.6 26.9 40.3

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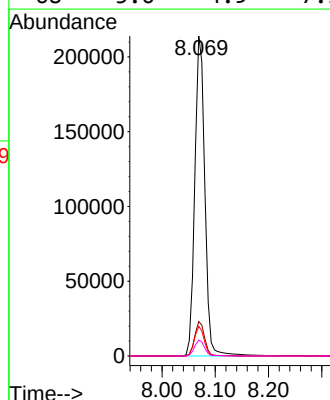
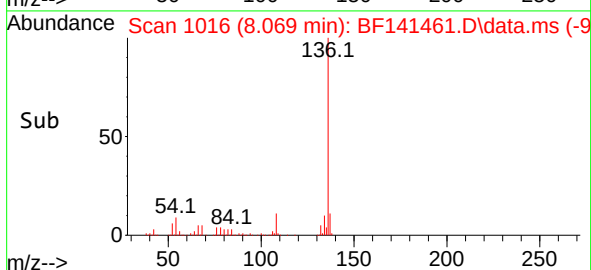
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

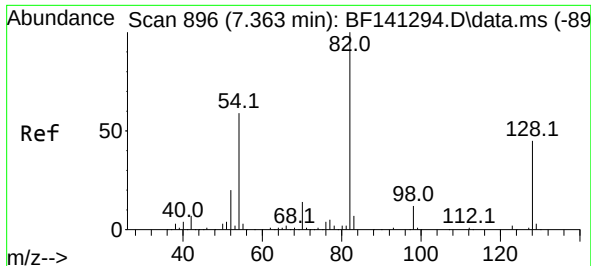


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31



Tgt Ion:136 Resp: 280125
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.2 7.8 11.8
68 5.0 4.9 7.3





#23

Nitrobenzene-d5

Concen: 51.996 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.018 min

Lab File: BF141461.D

Acq: 05 Feb 2025 21:31

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725

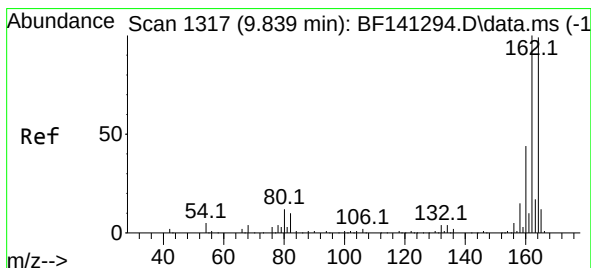
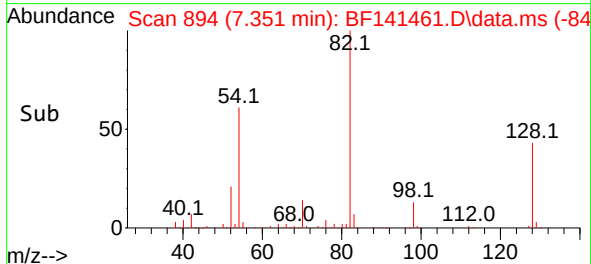
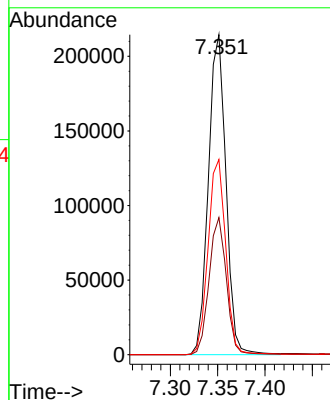
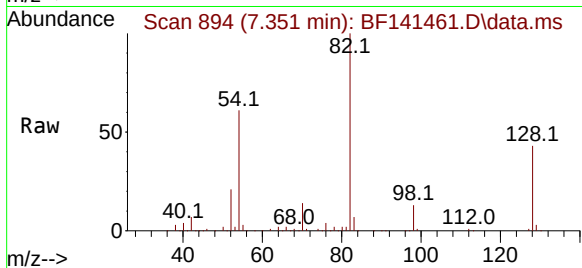
Tgt Ion: 82 Resp: 276299
 Ion Ratio Lower Upper
 82 100
 128 42.9 35.7 53.5
 54 61.0 47.1 70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

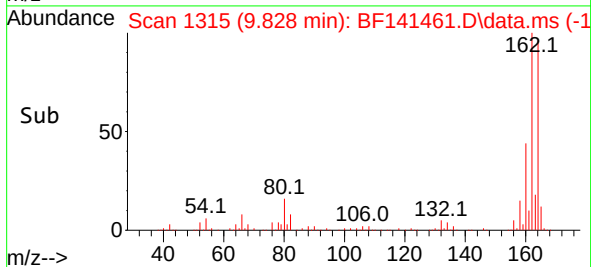
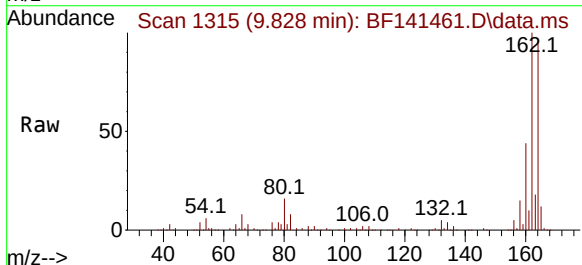
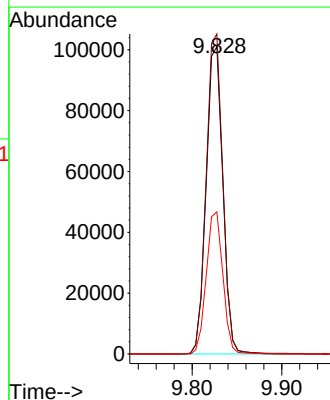
RT: 9.828 min Scan# 1315

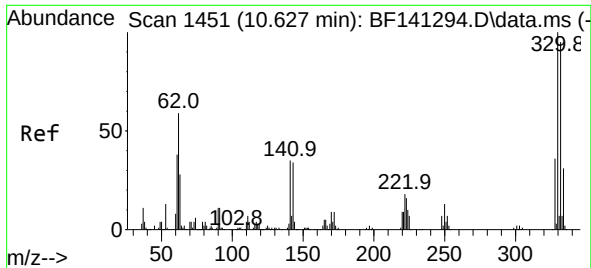
Delta R.T. -0.012 min

Lab File: BF141461.D

Acq: 05 Feb 2025 21:31

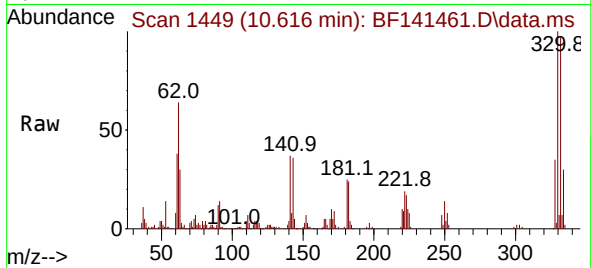
Tgt Ion:164 Resp: 130310
 Ion Ratio Lower Upper
 164 100
 162 104.1 80.6 121.0
 160 46.2 35.8 53.6





#42
2,4,6-Tribromophenol
Concen: 67.093 ng
RT: 10.616 min Scan# 1449
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

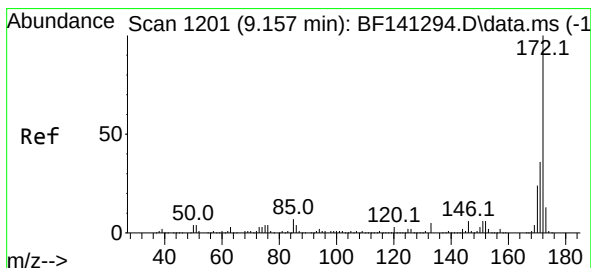
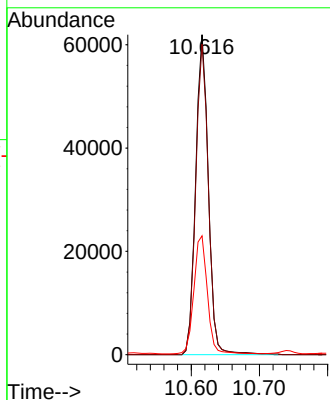
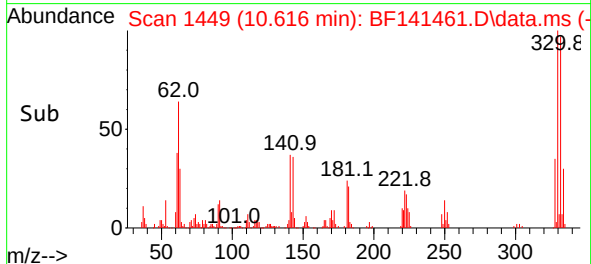
Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725



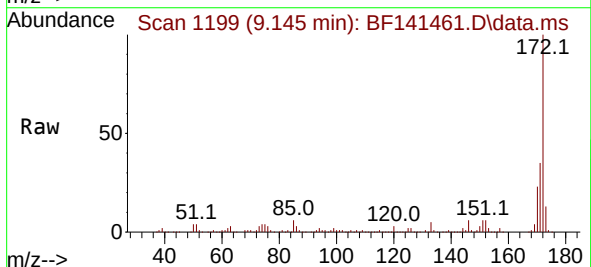
Tgt Ion: 330 Resp: 80152
Ion Ratio Lower Upper
330 100
332 97.5 76.1 114.1
141 39.0 28.8 43.2

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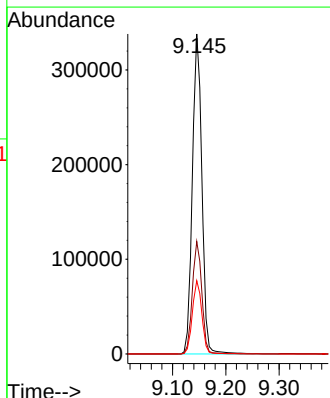
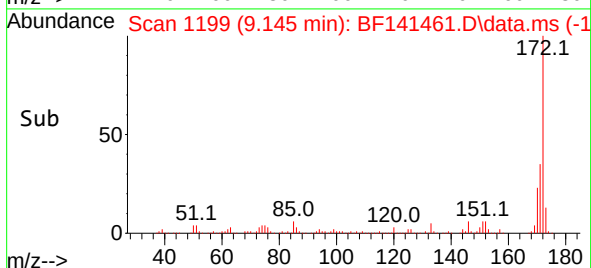
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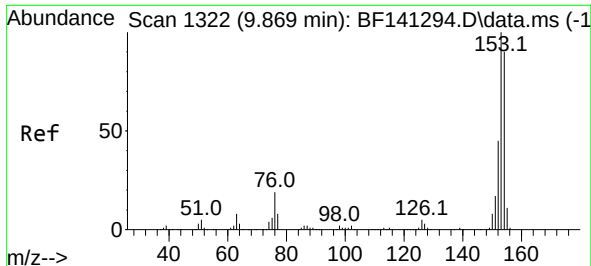


#45
2-Fluorobiphenyl
Concen: 49.913 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31



Tgt Ion: 172 Resp: 422567
Ion Ratio Lower Upper
172 100
171 35.2 28.8 43.2
170 22.9 19.0 28.6





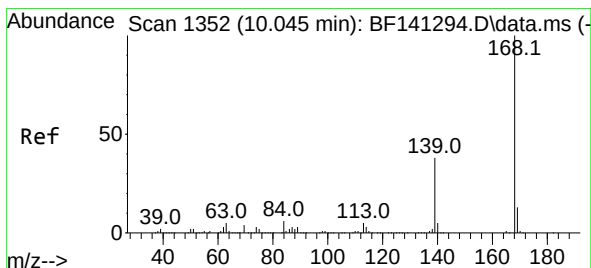
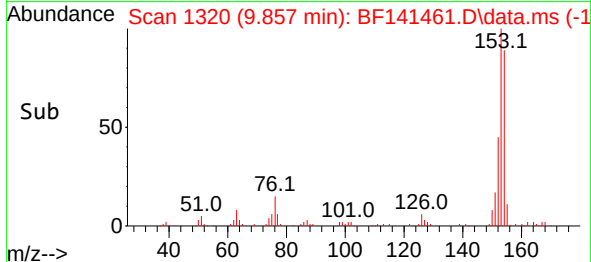
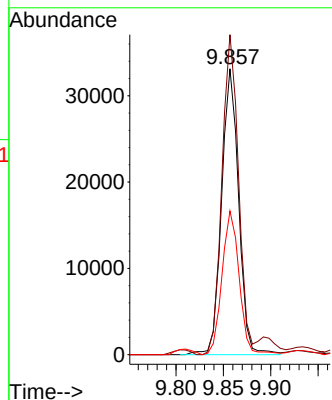
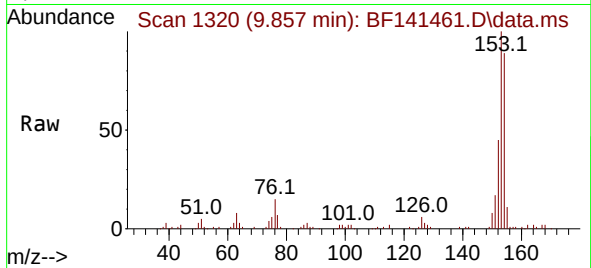
#52
Acenaphthene
Concen: 5.244 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

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JPP-20.1-012725

Tgt Ion:154 Resp: 4154
Ion Ratio Lower Upper
154 100
153 111.9 89.0 133.4
152 50.3 40.2 60.4

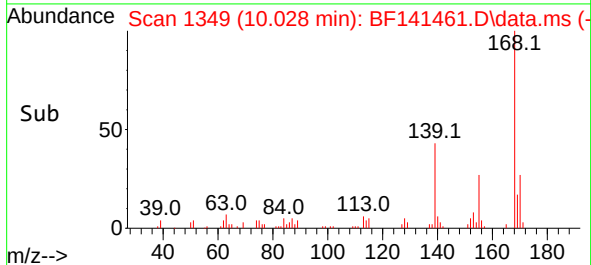
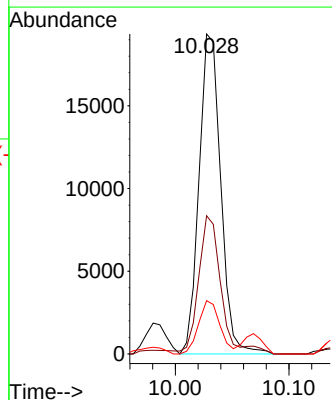
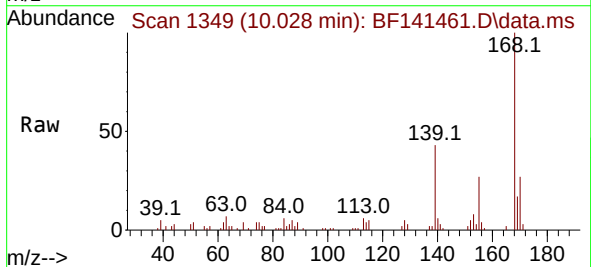
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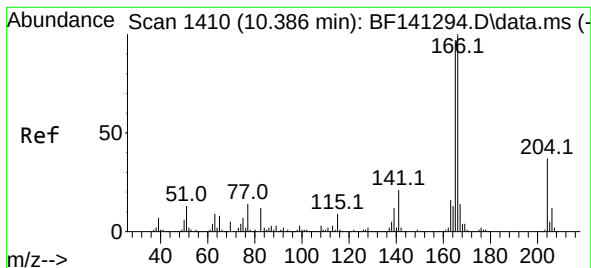
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#55
Dibenzofuran
Concen: 2.425 ng
RT: 10.028 min Scan# 1349
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

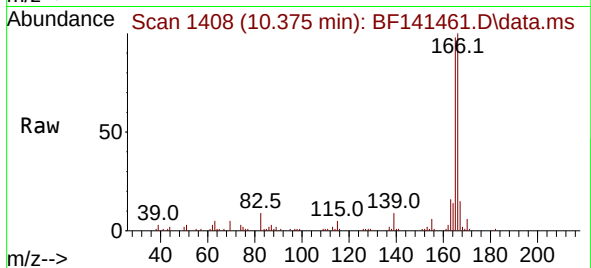
Tgt Ion:168 Resp: 25715
Ion Ratio Lower Upper
168 100
139 43.2 30.6 46.0
169 16.7 10.8 16.2#





#58
Fluorene
Concen: 4.519 ng
RT: 10.375 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

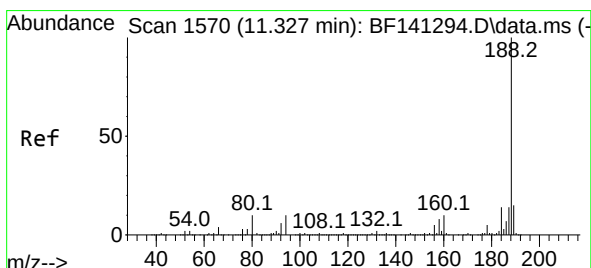
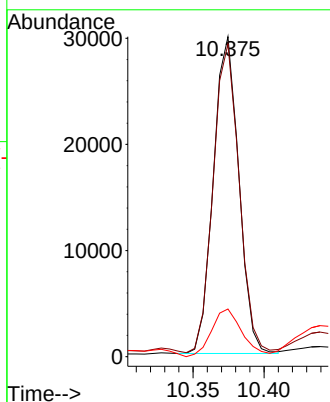
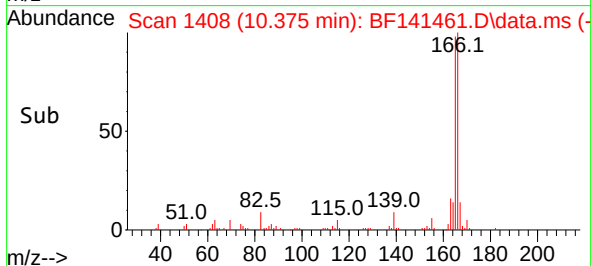
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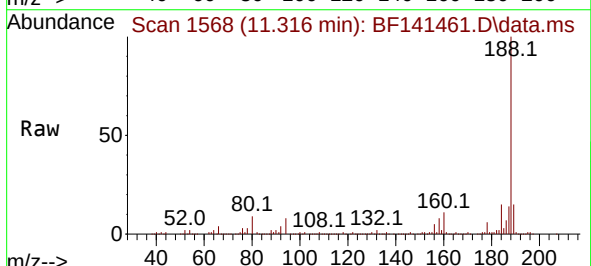
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Ion Ratio Lower Upper
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165 97.7 77.5 116.3
167 14.9 10.9 16.3

Manual Integrations
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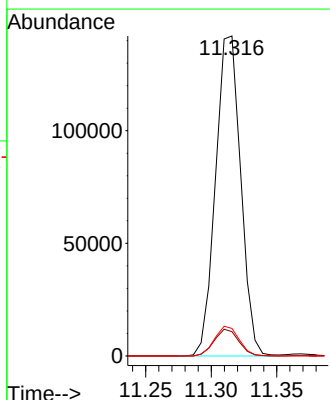
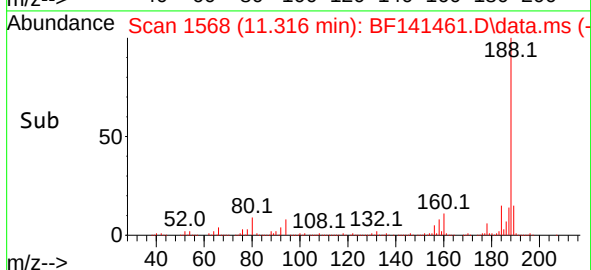
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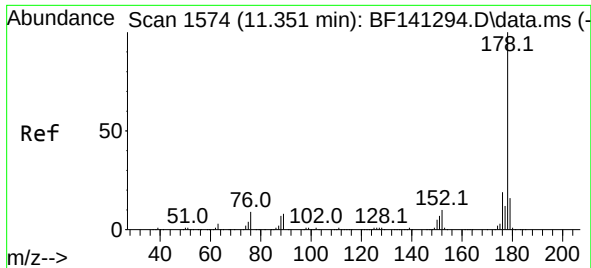


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31



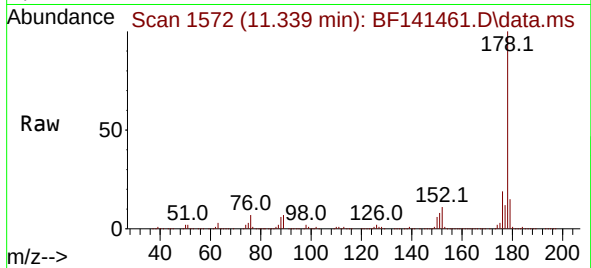
Tgt Ion:188 Resp: 189517
Ion Ratio Lower Upper
188 100
94 7.6 7.8 11.6#
80 8.6 8.2 12.4





#71
Phenanthrene
Concen: 51.554 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

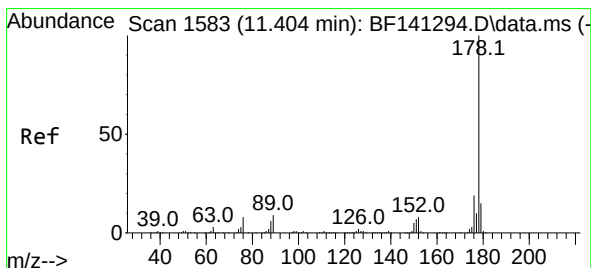
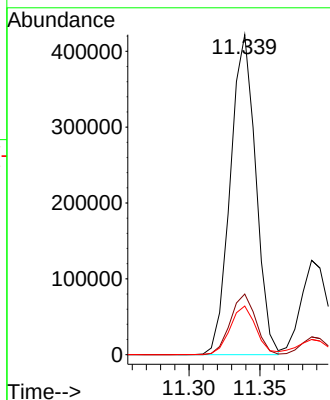
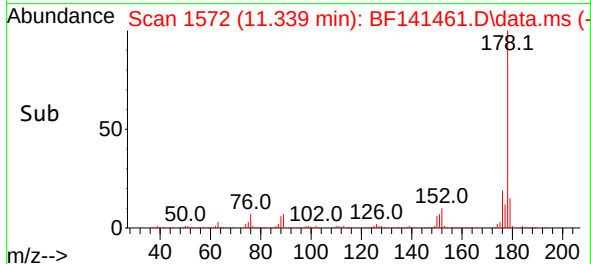
Instrument :
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Tgt Ion:178 Resp: 52520
Ion Ratio Lower Upper
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176 18.9 15.3 22.9
179 15.2 12.5 18.7

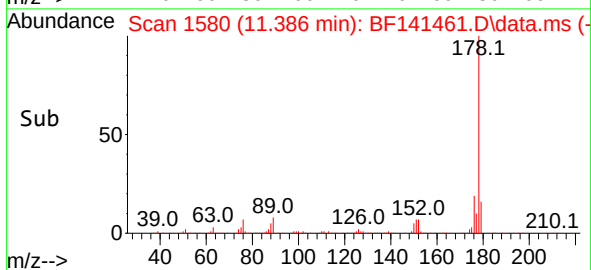
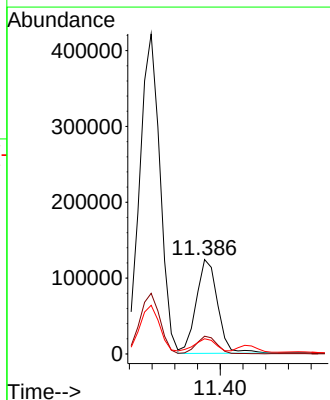
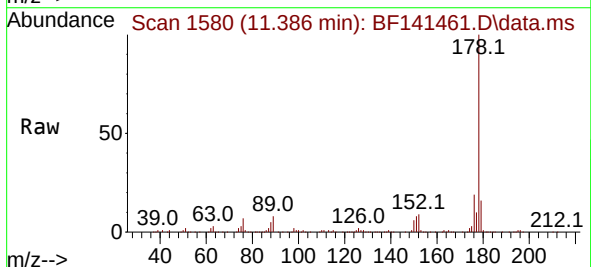
Manual Integrations
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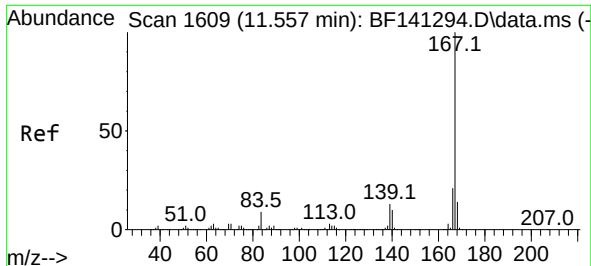
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 16.245 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

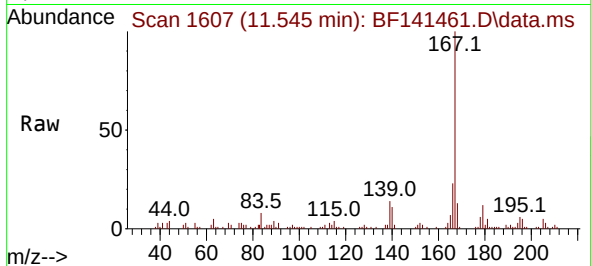
Tgt Ion:178 Resp: 162149
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 16.1 12.3 18.5





#73
 Carbazole
 Concen: 3.525 ng
 RT: 11.545 min Scan# 1607
 Delta R.T. -0.012 min
 Lab File: BF141461.D
 Acq: 05 Feb 2025 21:31

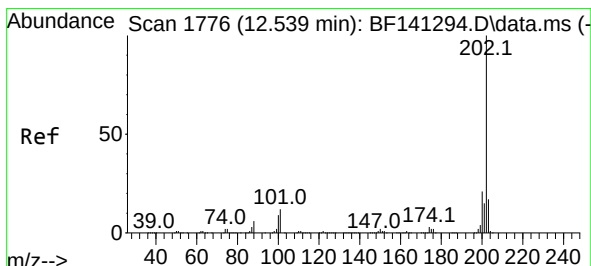
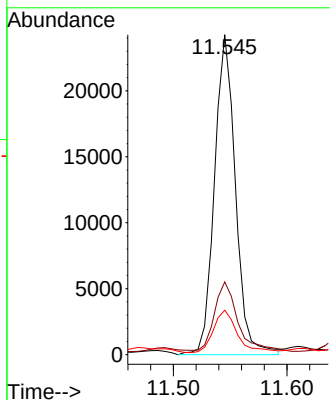
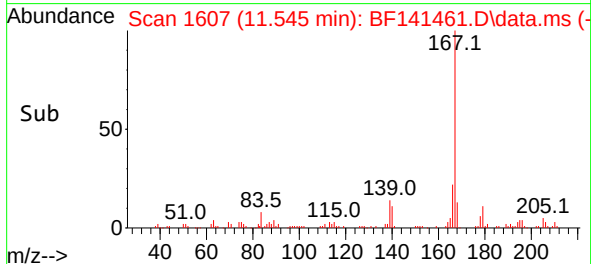
Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.1-012725



Tgt Ion:167 Resp: 3120
 Ion Ratio Lower Upper
 167 100
 166 22.7 17.0 25.6
 139 13.9 10.6 16.0

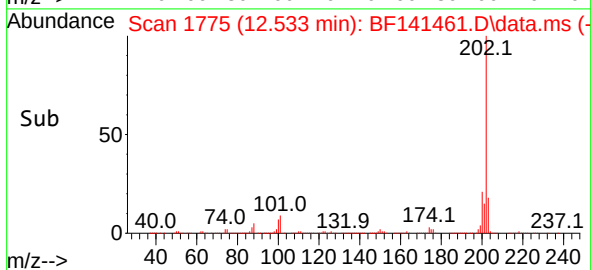
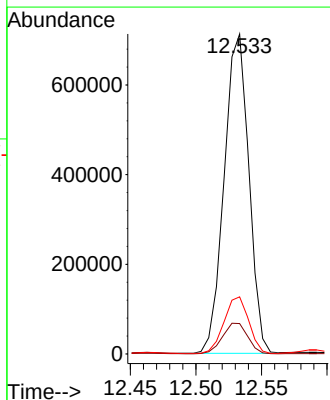
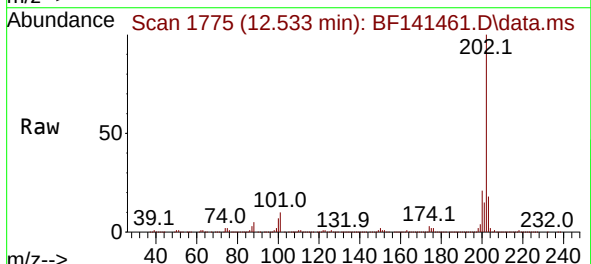
Manual Integrations
 APPROVED

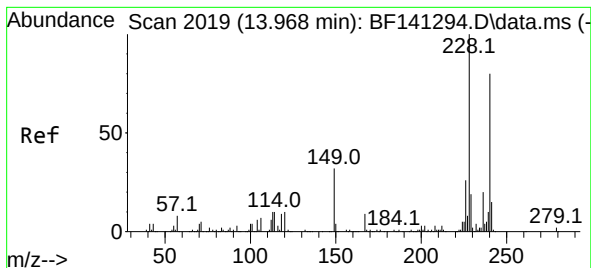
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#75
 Fluoranthene
 Concen: 92.760 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. -0.006 min
 Lab File: BF141461.D
 Acq: 05 Feb 2025 21:31

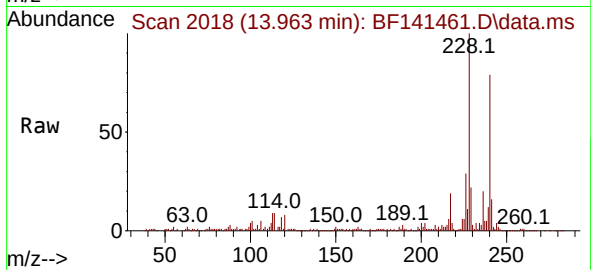
Tgt Ion:202 Resp: 933061
 Ion Ratio Lower Upper
 202 100
 101 9.5 0.0 31.7
 203 17.8 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

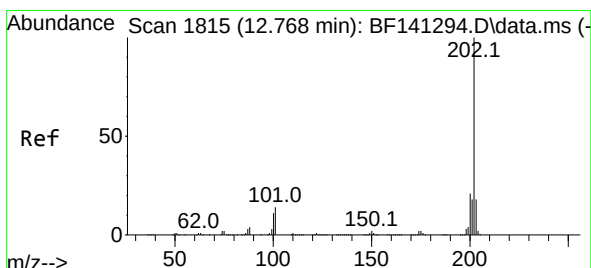
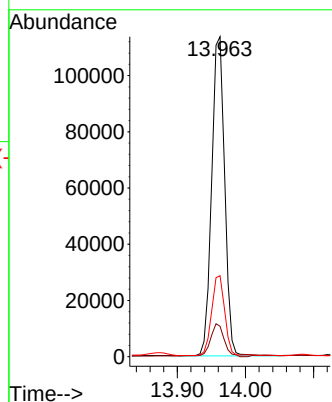
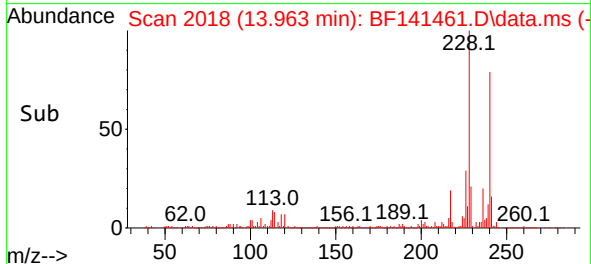
Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725



Tgt Ion:240 Resp: 15083
Ion Ratio Lower Upper
240 100
120 9.5 10.0 15.0
236 25.3 19.7 29.5

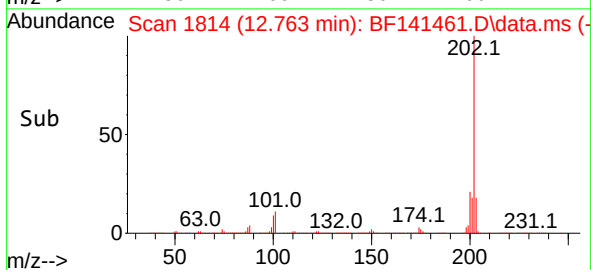
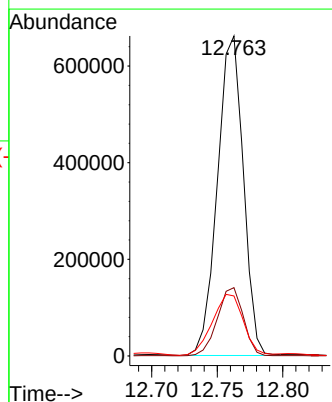
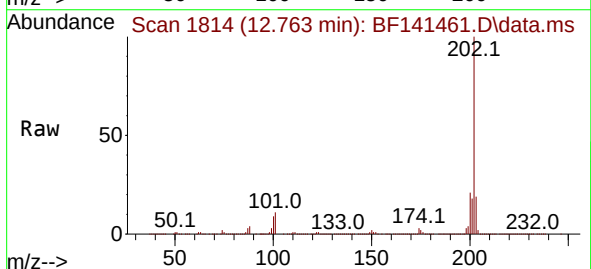
Manual Integrations
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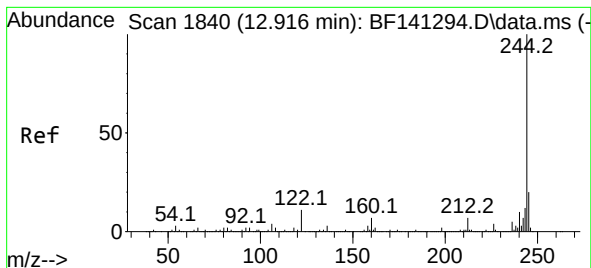
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#78
Pyrene
Concen: 62.697 ng
RT: 12.763 min Scan# 1814
Delta R.T. -0.006 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:202 Resp: 907784
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.4
203 18.8 14.3 21.5





#79

Terphenyl-d14

Concen: 35.538 ng

RT: 12.898 min Scan# 1837

Delta R.T. -0.018 min

Lab File: BF141461.D

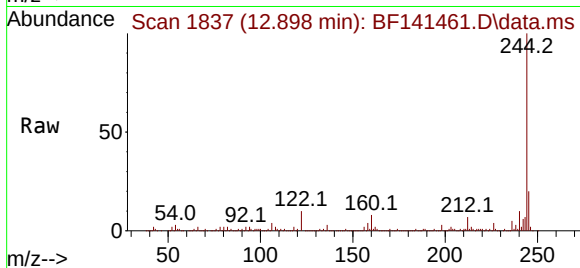
Acq: 05 Feb 2025 21:31

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725



Tgt Ion:244 Resp: 347592

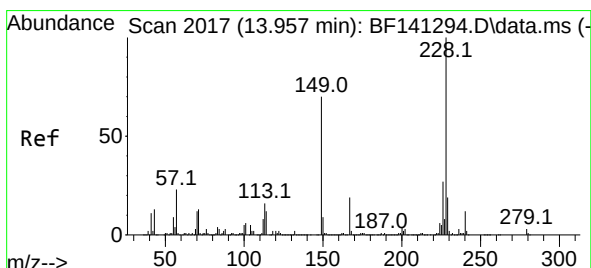
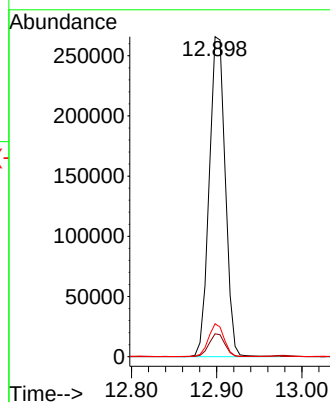
Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	10.3	8.8	13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#81

Benzo(a)anthracene

Concen: 46.047 ng

RT: 13.951 min Scan# 2016

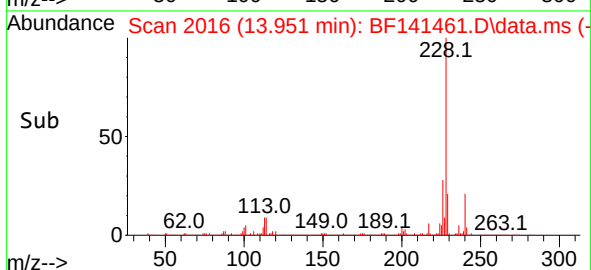
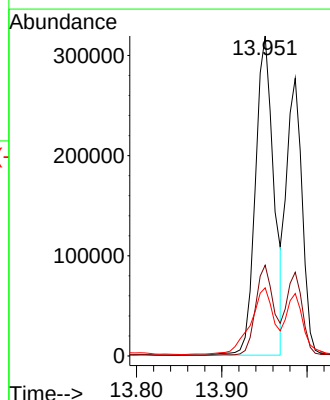
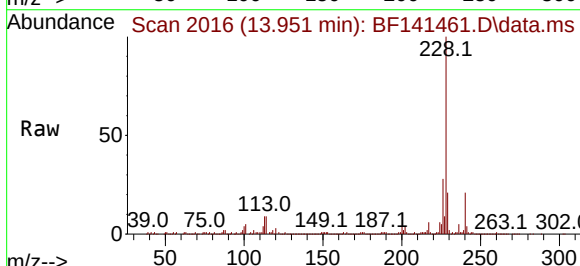
Delta R.T. -0.012 min

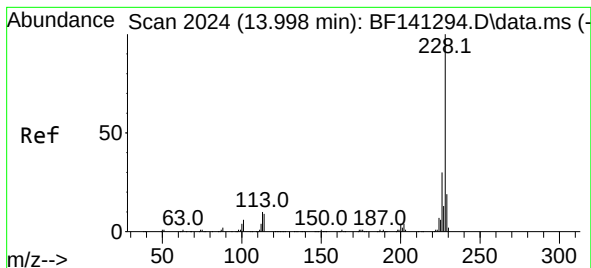
Lab File: BF141461.D

Acq: 05 Feb 2025 21:31

Tgt Ion:228 Resp: 479288

Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.4	32.2
229	21.3	15.5	23.3





#83

Chrysene

Concen: 36.886 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF141461.D

Acq: 05 Feb 2025 21:31

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725

Tgt Ion:228 Resp: 351860

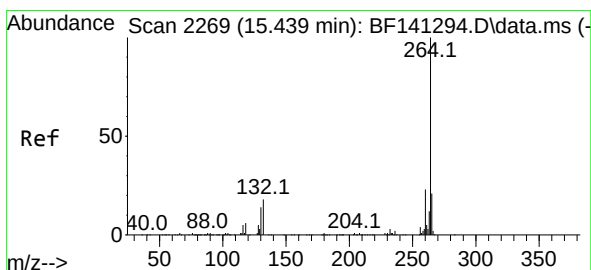
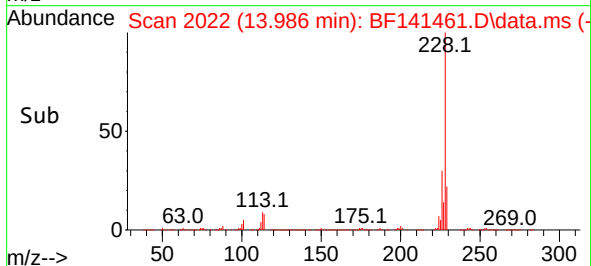
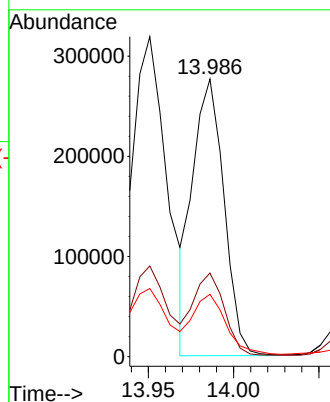
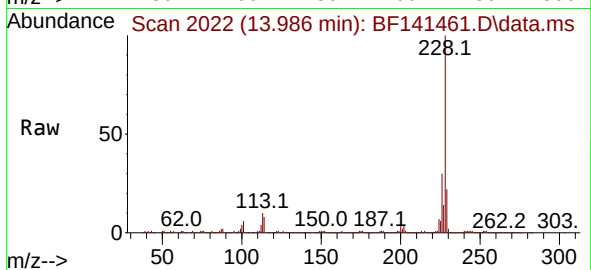
Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.1	36.1
229	22.5	15.6	23.4

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.421 min Scan# 2266

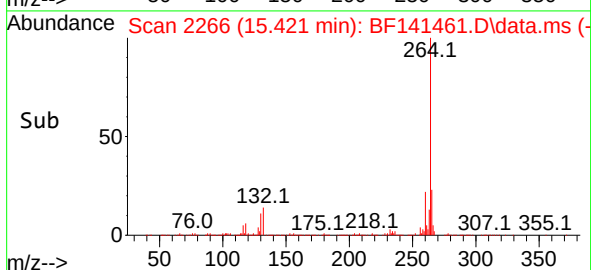
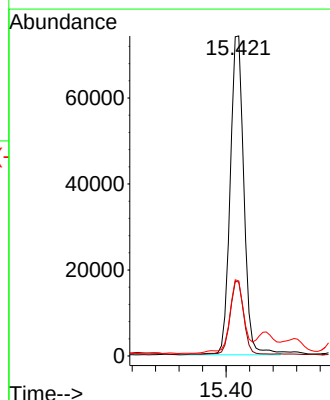
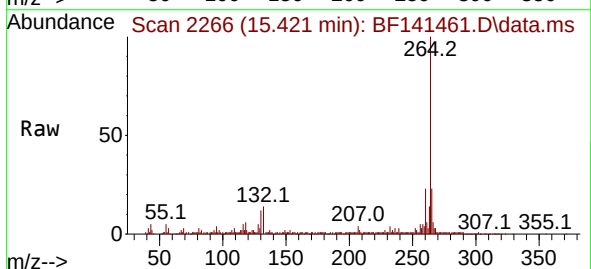
Delta R.T. -0.018 min

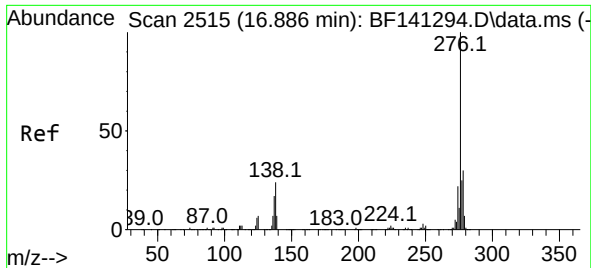
Lab File: BF141461.D

Acq: 05 Feb 2025 21:31

Tgt Ion:264 Resp: 120024

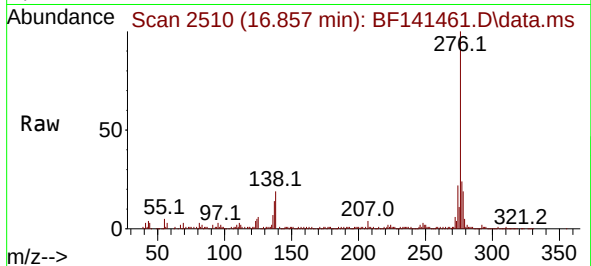
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	23.5	16.7	25.1





#87
Indeno(1,2,3-cd)pyrene
Concen: 18.048 ng m
RT: 16.857 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

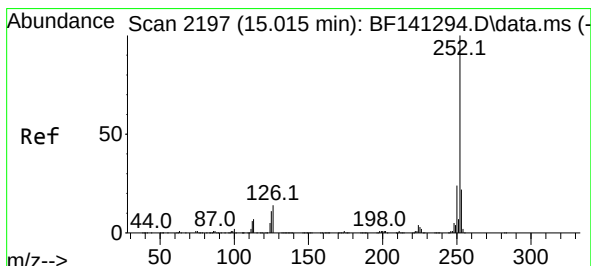
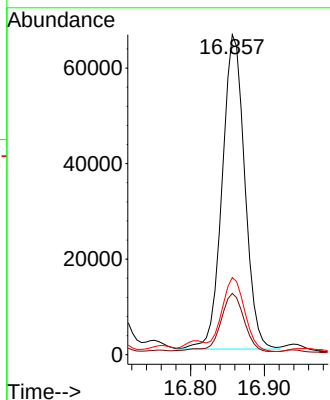
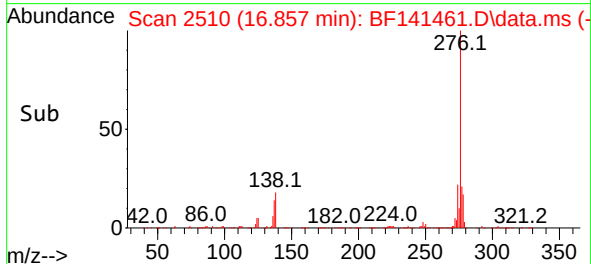
Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725



Tgt Ion: 276 Resp: 139810
Ion Ratio Lower Upper
276 100
138 4.2 21.7 32.5
277 4.8 20.3 30.5

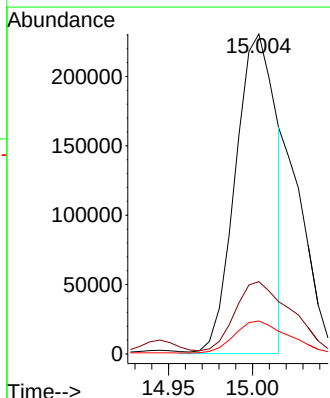
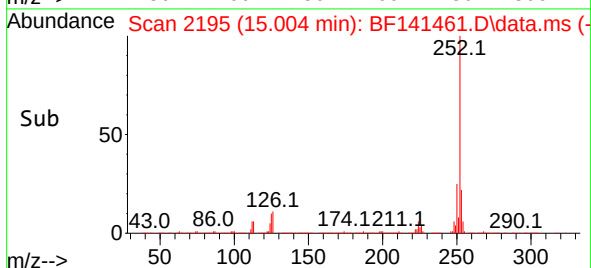
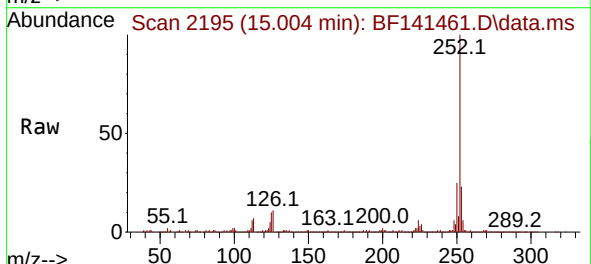
Manual Integrations
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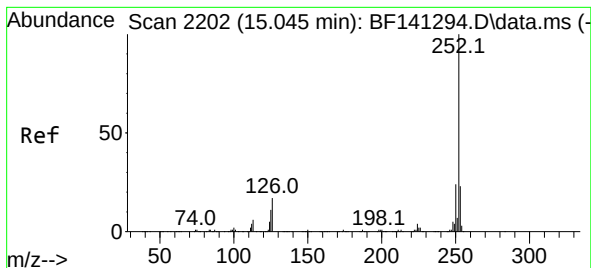
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#88
Benzo(b)fluoranthene
Concen: 51.349 ng m
RT: 15.004 min Scan# 2195
Delta R.T. -0.018 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion: 252 Resp: 387674
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.2
125 10.3 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 20.783 ng m

RT: 15.015 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF141461.D

Acq: 05 Feb 2025 21:31

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725

Tgt Ion:252 Resp: 138998

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

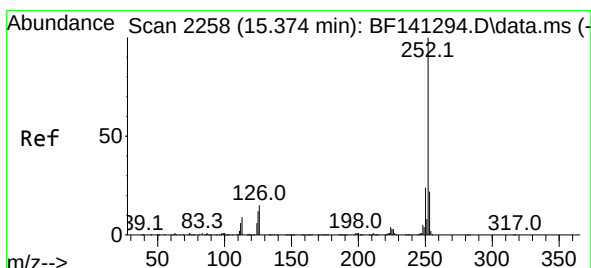
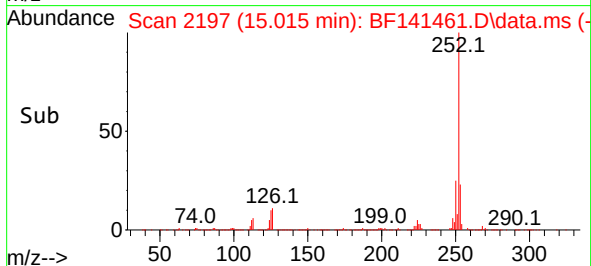
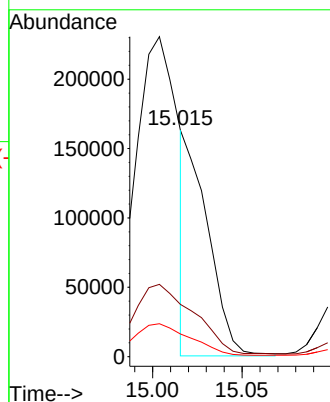
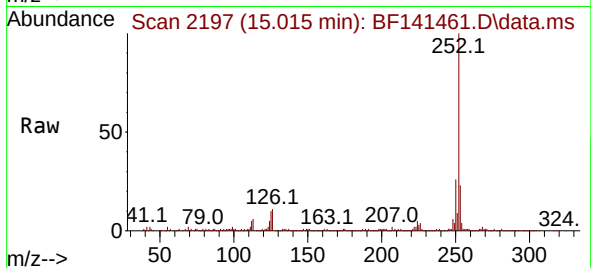
125 10.1 8.4 12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 45.158 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.024 min

Lab File: BF141461.D

Acq: 05 Feb 2025 21:31

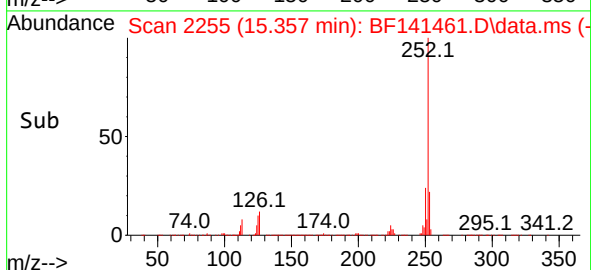
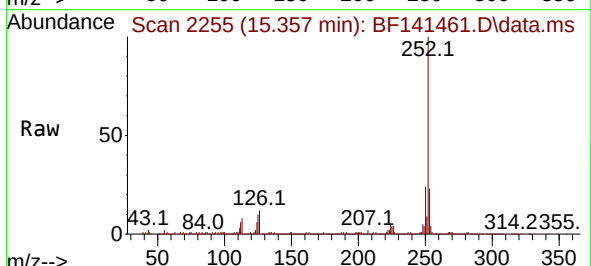
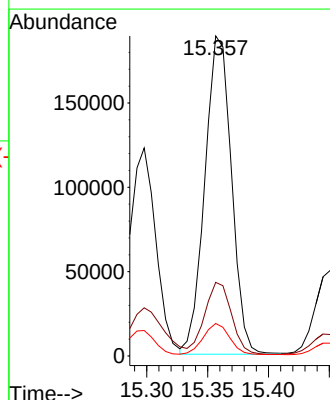
Tgt Ion:252 Resp: 288104

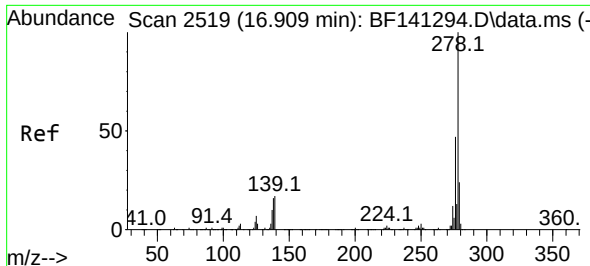
Ion Ratio Lower Upper

252 100

253 23.0 17.2 25.8

125 10.1 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 5.934 ng m
RT: 16.868 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Instrument :

BNA_F

ClientSampleId :

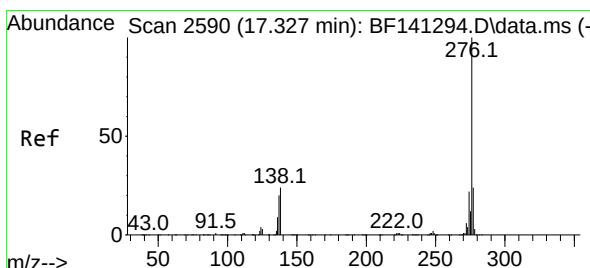
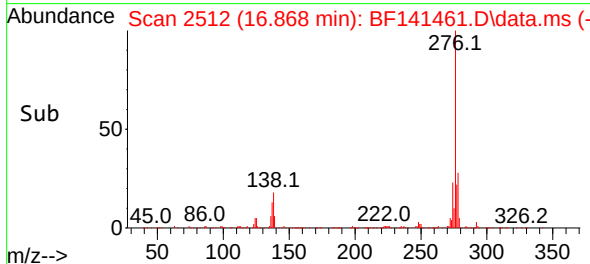
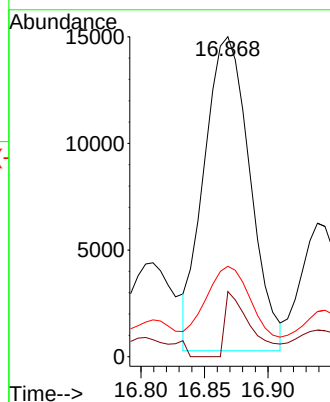
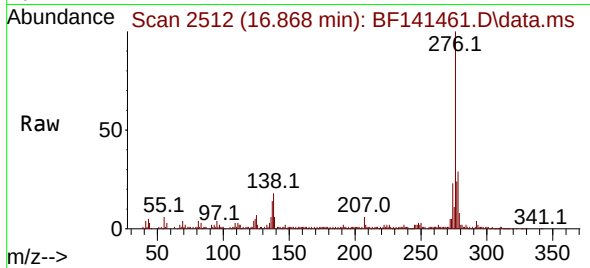
JPP-20.1-012725

Tgt Ion:278 Resp: 36980
Ion Ratio Lower Upper
278 100
139 20.3 13.9 20.9
279 28.2 18.8 28.2

Manual Integrations

APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 21.003 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.047 min
Lab File: BF141461.D
Acq: 05 Feb 2025 21:31

Tgt Ion:276 Resp: 136111
Ion Ratio Lower Upper
276 100
277 24.9 19.2 28.8
138 18.6 19.0 28.4

