

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
 Data File : BF141567.D
 Acq On : 11 Feb 2025 17:35
 Operator : RC/JU
 Sample : Q1206-03DL 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.1-012725DL

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 02/11/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 11 18:05:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	83557	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	319161	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	160811	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	232903	20.000	ng	-0.01
76) Chrysene-d12	13.951	240	199404	20.000	ng	-0.01
86) Perylene-d12	15.416	264	227355	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	180911	33.944	ng	0.00
7) Phenol-d6	6.422	99	227958	33.840	ng	-0.02
23) Nitrobenzene-d5	7.345	82	154330	25.221	ng	-0.02
42) 2,4,6-Tribromophenol	10.610	330	47061	29.132	ng	-0.02
45) 2-Fluorobiphenyl	9.139	172	248025	23.762	ng	-0.01
79) Terphenyl-d14	12.892	244	206209	17.458	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.851	154	24992	2.711	ng	97
58) Fluorene	10.369	166	22526	2.153	ng	# 98
71) Phenanthrene	11.328	178	325290	25.373	ng	99
72) Anthracene	11.381	178	101473	7.874	ng	99
75) Fluoranthene	12.522	202	551525	40.577	ng	99
78) Pyrene	12.751	202	534703	31.500	ng	99
81) Benzo(a)anthracene	13.939	228	305607	23.056	ng	98
83) Chrysene	13.974	228	242433	19.808	ng	98
87) Indeno(1,2,3-cd)pyrene	16.851	276	139277	9.914	ng	94
88) Benzo(b)fluoranthene	14.998	252	359438m	23.545	ng	
89) Benzo(k)fluoranthene	15.016	252	104198m	7.993	ng	
90) Benzo(a)pyrene	15.357	252	268790	21.760	ng	97
91) Dibenzo(a,h)anthracene	16.857	278	35685	3.135	ng	# 84
92) Benzo(g,h,i)perylene	17.286	276	127266	10.684	ng	98

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

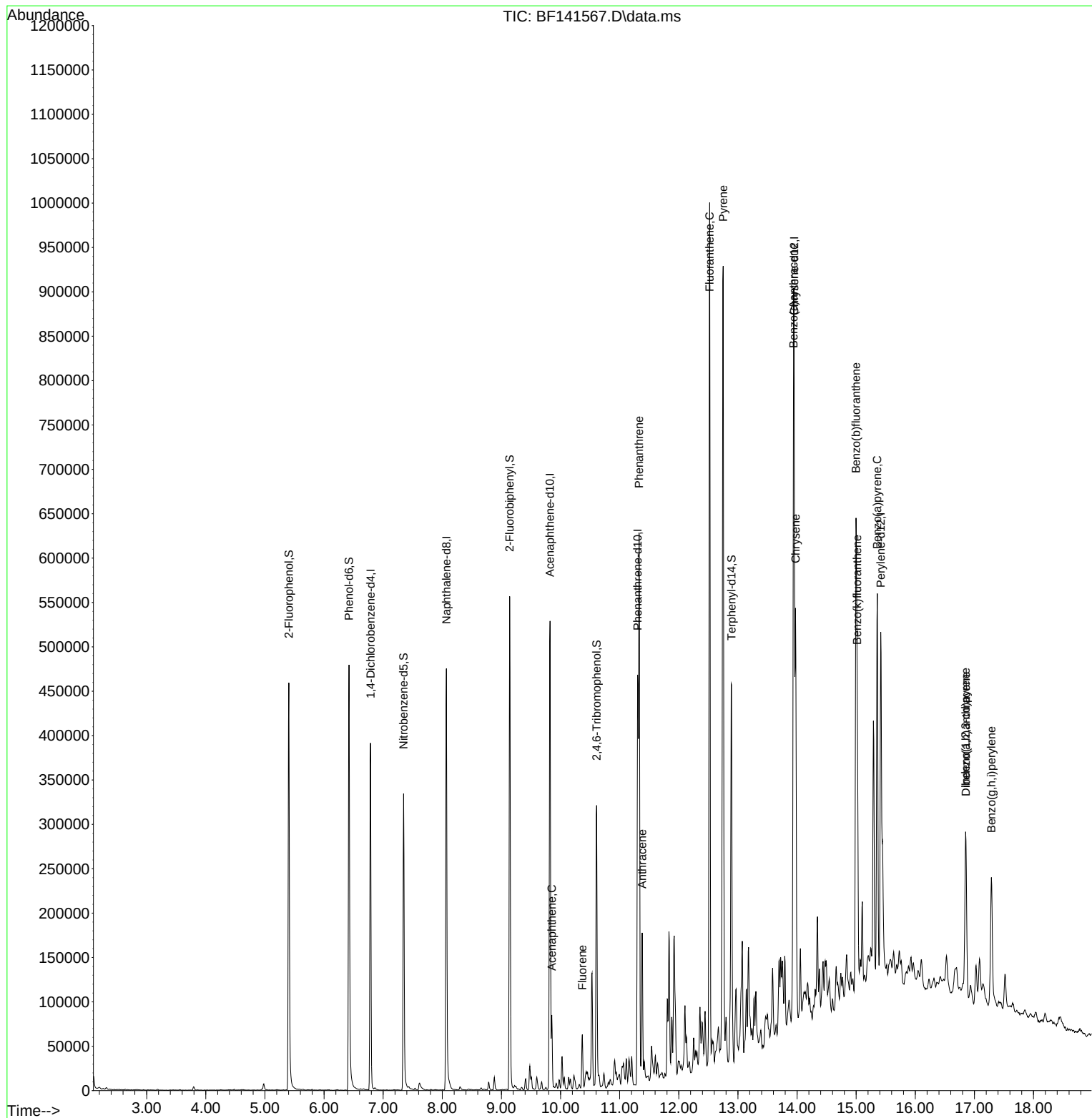
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021125\
Data File : BF141567.D
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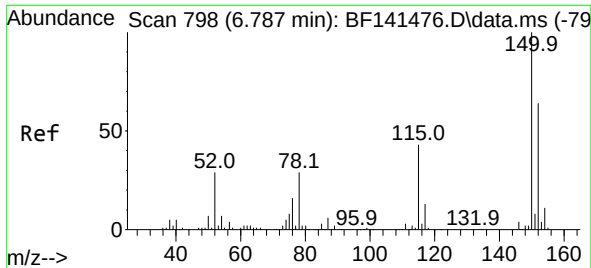
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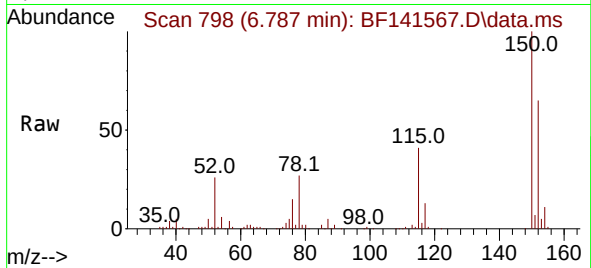
Quant Time: Feb 11 18:05:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 798
Delta R.T. -0.005 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

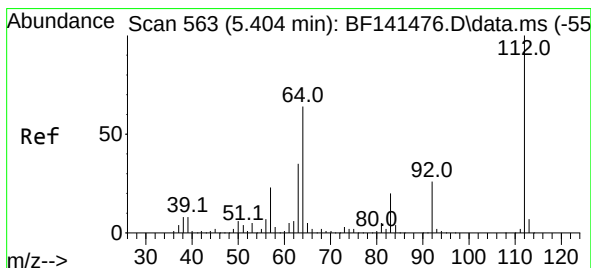
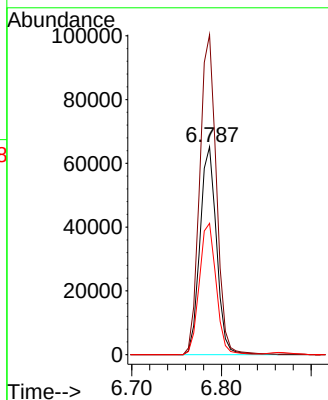
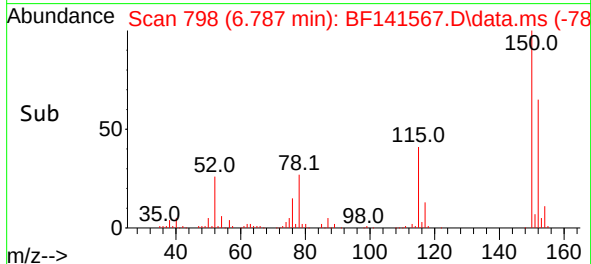
Instrument :
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ClientSampleId :
JPP-20.1-012725DL



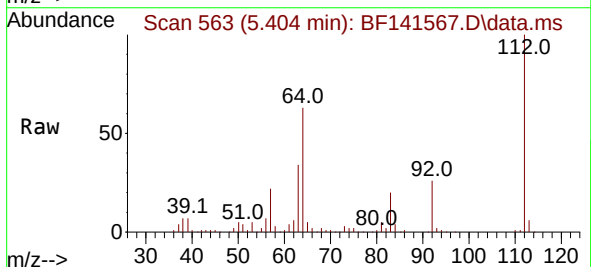
Tgt Ion:152 Resp: 8355
Ion Ratio Lower Upper
152 100
150 154.0 125.0 187.4
115 63.2 53.6 80.4

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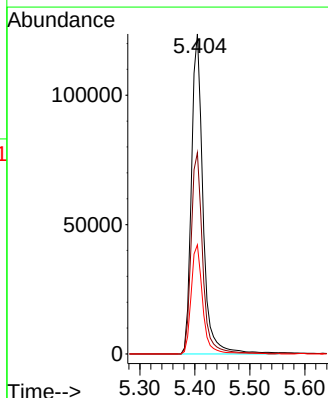
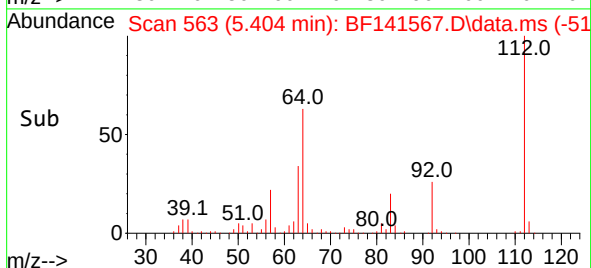
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025

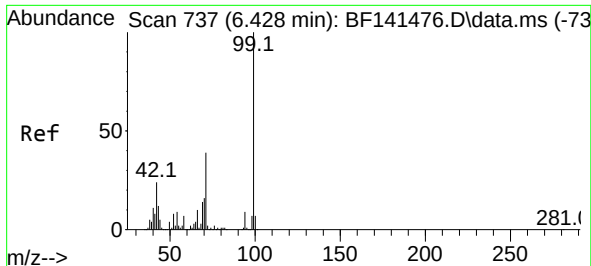


#5
2-Fluorophenol
Concen: 33.944 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35



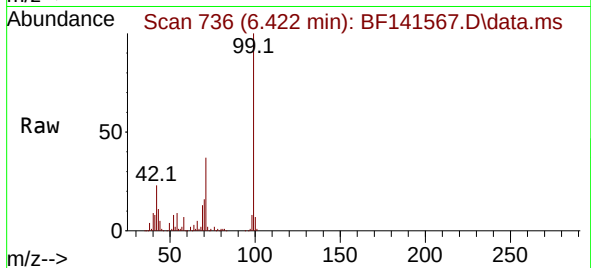
Tgt Ion:112 Resp: 180911
Ion Ratio Lower Upper
112 100
64 62.9 51.1 76.7
63 34.1 28.4 42.6





#7
Phenol-d6
Concen: 33.840 ng
RT: 6.422 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

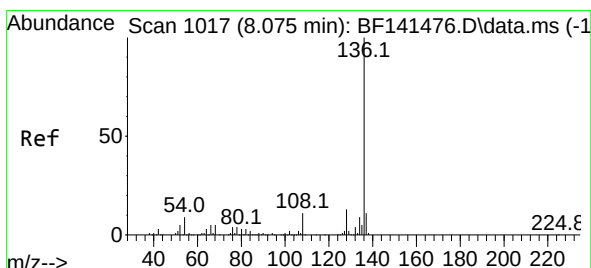
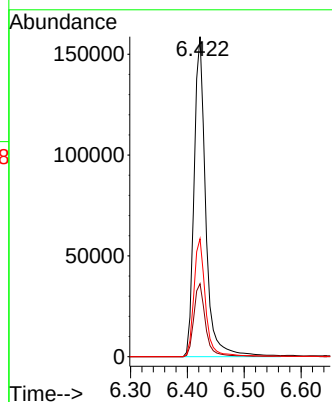
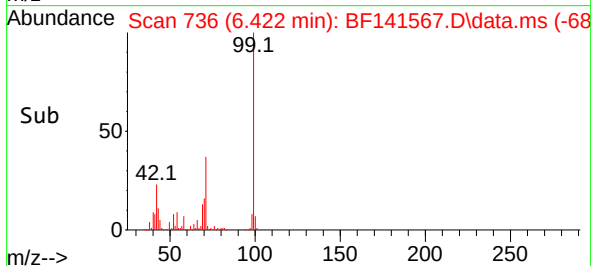
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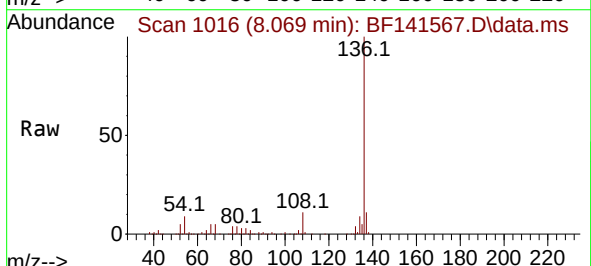
Tgt Ion: 99 Resp: 227958
Ion Ratio Lower Upper
99 100
42 22.8 19.1 28.7
71 36.9 31.1 46.7

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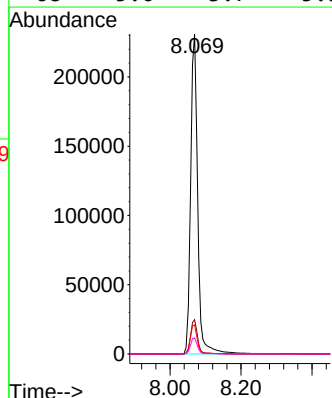
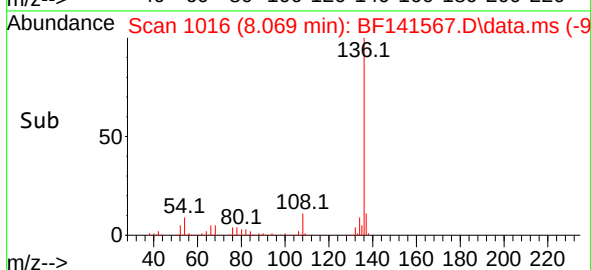
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025

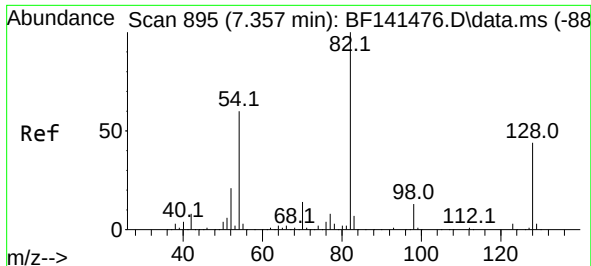


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35



Tgt Ion:136 Resp: 319161
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.1 7.2 10.8
68 5.0 3.7 5.5





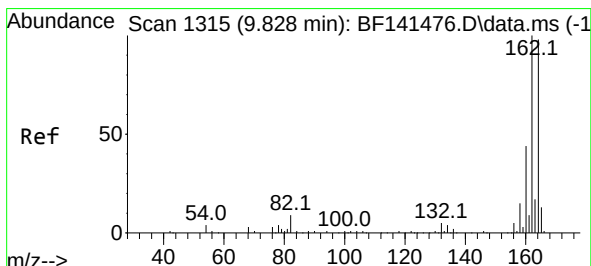
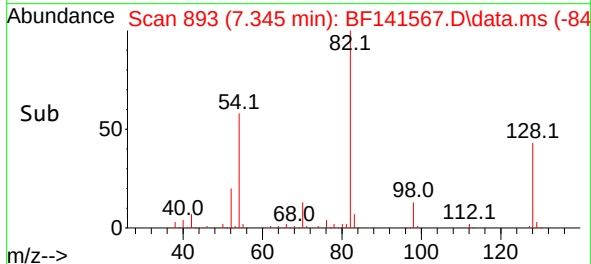
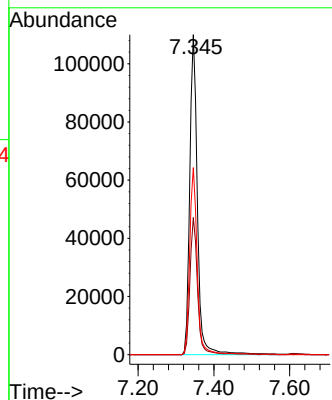
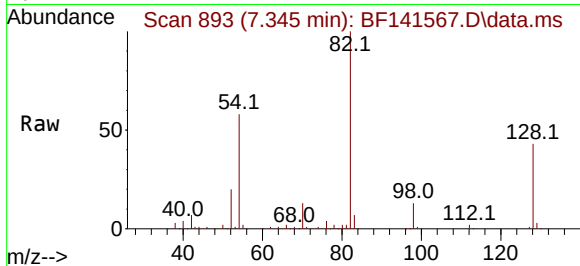
#23
Nitrobenzene-d5
Concen: 25.221 ng
RT: 7.345 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

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ClientSampleId :
JPP-20.1-012725DL

Tgt Ion: 82 Resp: 154330
Ion Ratio Lower Upper
82 100
128 42.9 34.8 52.2
54 58.5 48.2 72.4

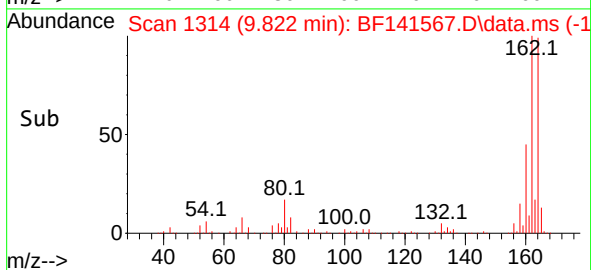
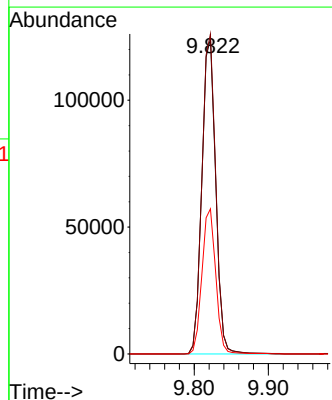
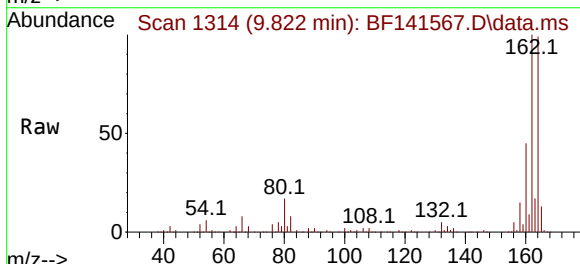
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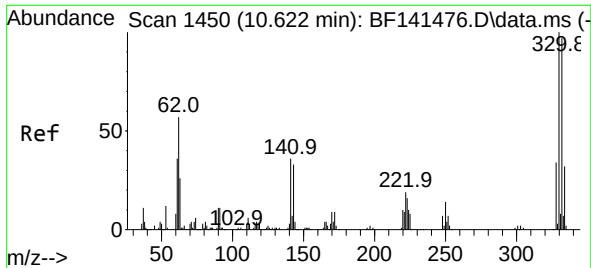
Reviewed By :Jagrut Upadhyay 02/11/2025
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

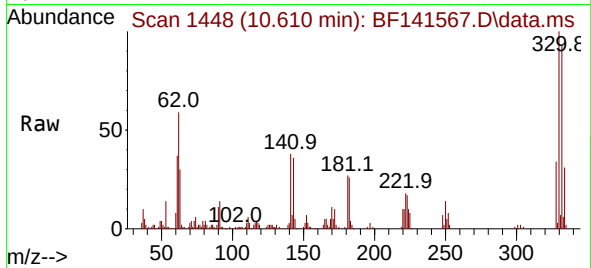
Tgt Ion:164 Resp: 160811
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 46.0 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 29.132 ng
RT: 10.610 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

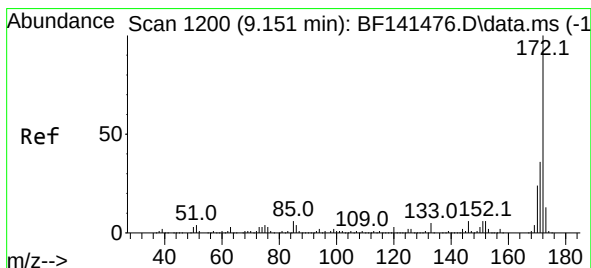
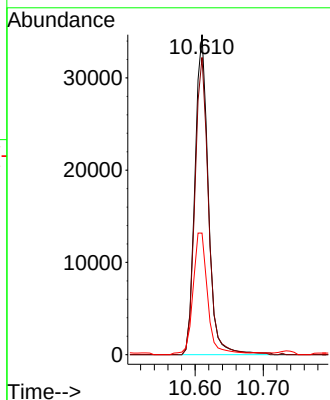
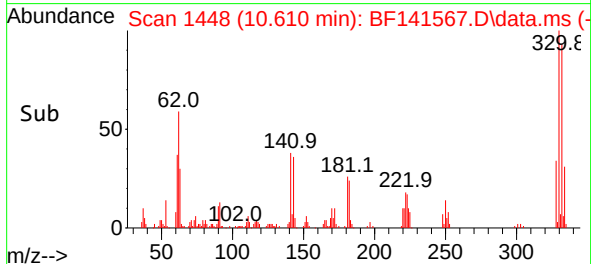
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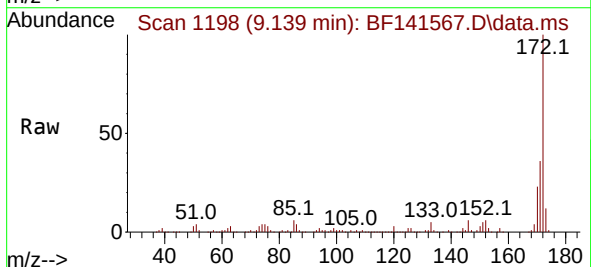
Tgt Ion: 330 Resp: 4706
Ion Ratio Lower Upper
330 100
332 94.4 78.5 117.7
141 41.5 31.0 46.4

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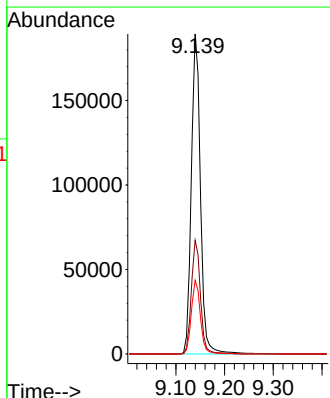
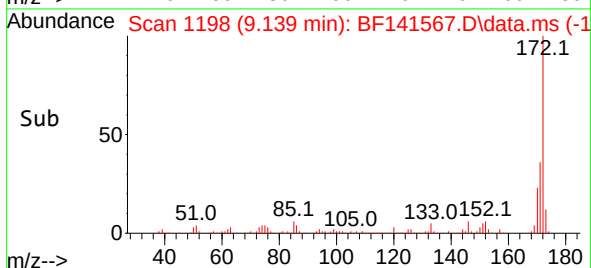
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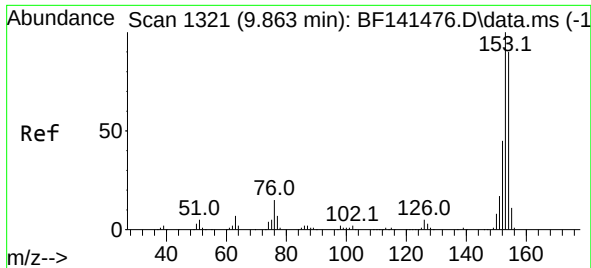


#45
2-Fluorobiphenyl
Concen: 23.762 ng
RT: 9.139 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35



Tgt Ion: 172 Resp: 248025
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.0 18.9 28.3





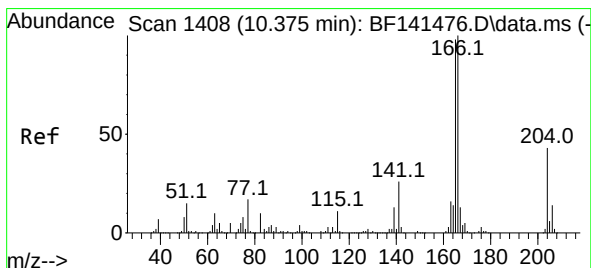
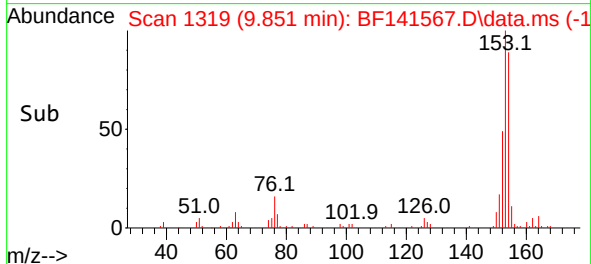
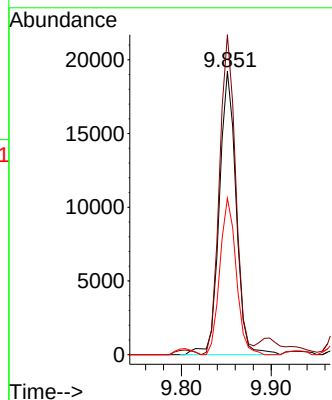
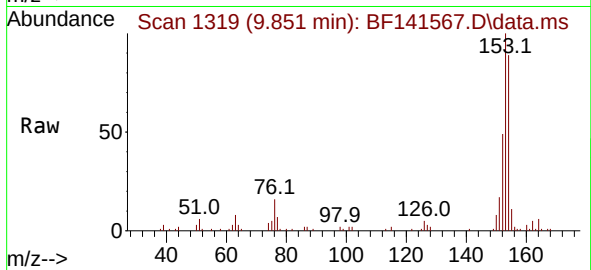
#52
Acenaphthene
Concen: 2.711 ng
RT: 9.851 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
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ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:154 Resp: 2499
Ion Ratio Lower Upper
154 100
153 112.9 89.2 133.8
152 55.2 39.8 59.8

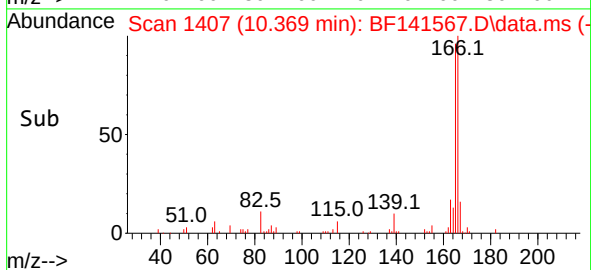
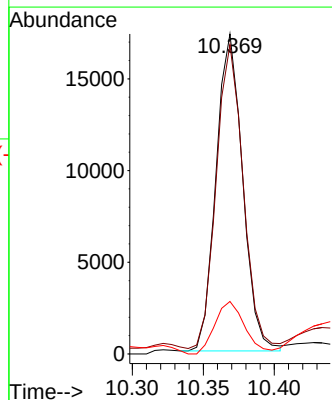
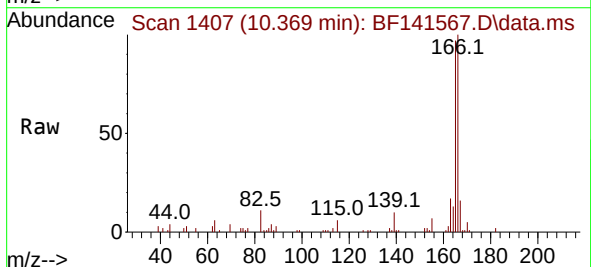
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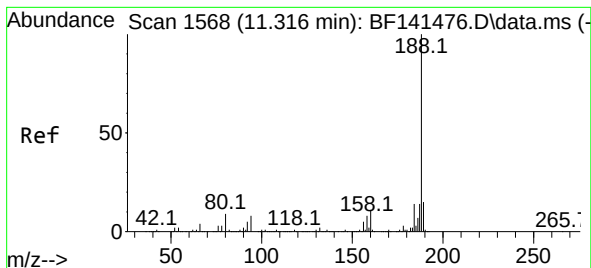
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#58
Fluorene
Concen: 2.153 ng
RT: 10.369 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:166 Resp: 22526
Ion Ratio Lower Upper
166 100
165 96.7 78.2 117.2
167 16.4 10.7 16.1#





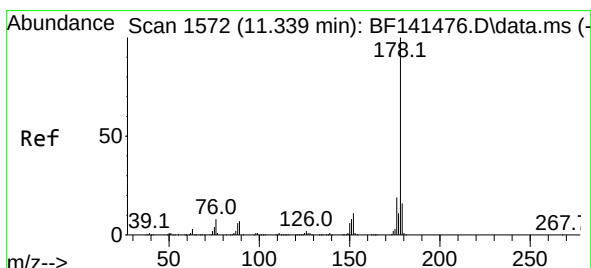
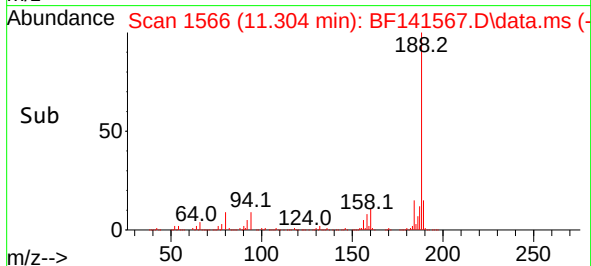
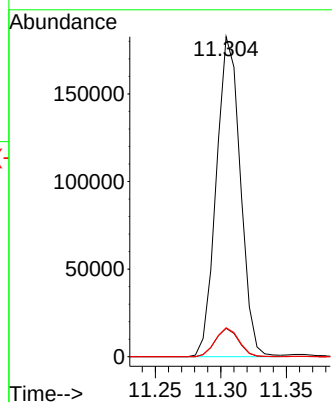
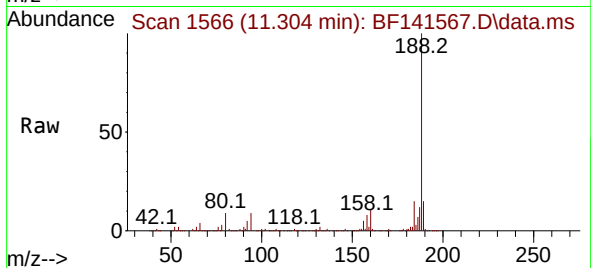
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.304 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
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JPP-20.1-012725DL

Tgt Ion:188 Resp: 23290
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.0 7.3 10.9

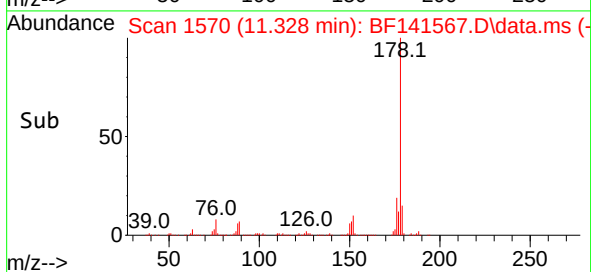
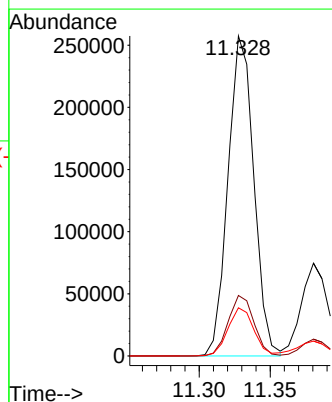
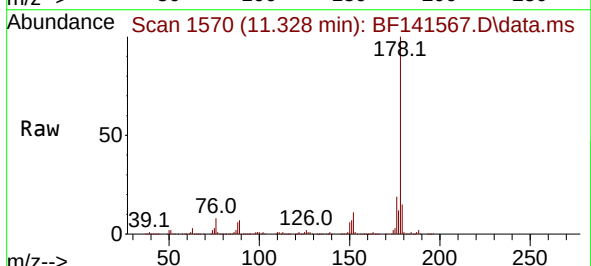
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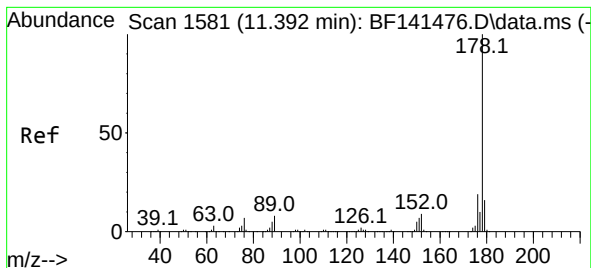
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#71
Phenanthrene
Concen: 25.373 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:178 Resp: 325290
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.0 12.4 18.6





#72

Anthracene

Concen: 7.874 ng

RT: 11.381 min Scan# 1

Delta R.T. -0.017 min

Lab File: BF141567.D

Acq: 11 Feb 2025 17:35

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725DL

Tgt Ion:178 Resp: 10147

Ion Ratio Lower Upper

178 100

176 18.1 14.8 22.2

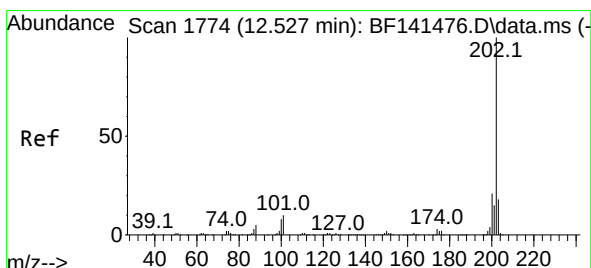
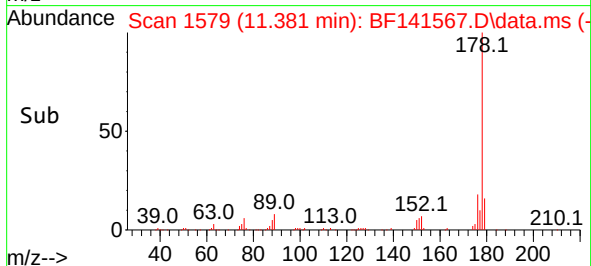
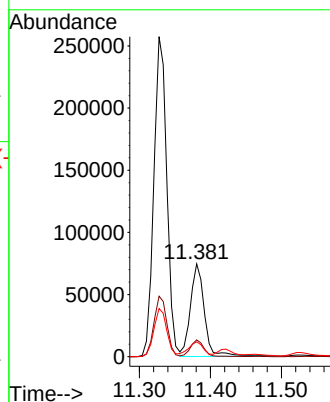
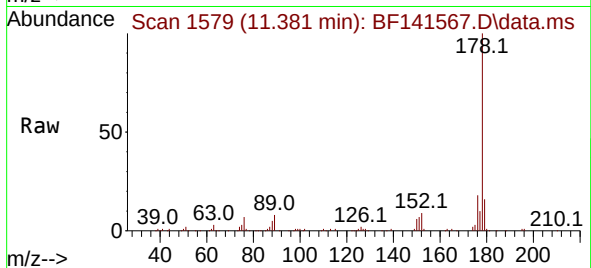
179 16.0 12.4 18.6

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/11/2025

Supervised By :mohammad ahmed 02/12/2025



#75

Fluoranthene

Concen: 40.577 ng

RT: 12.522 min Scan# 1773

Delta R.T. -0.012 min

Lab File: BF141567.D

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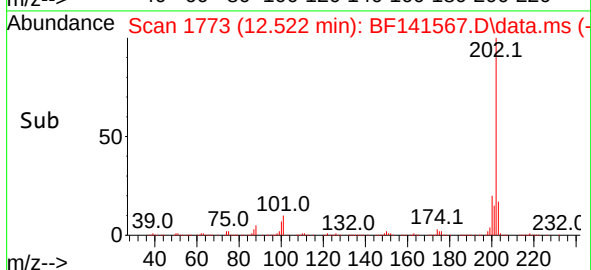
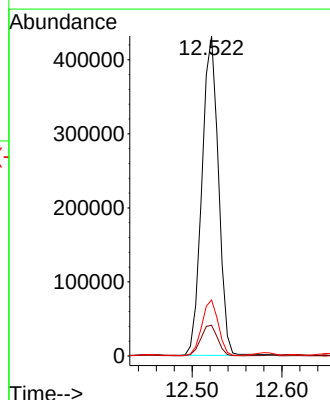
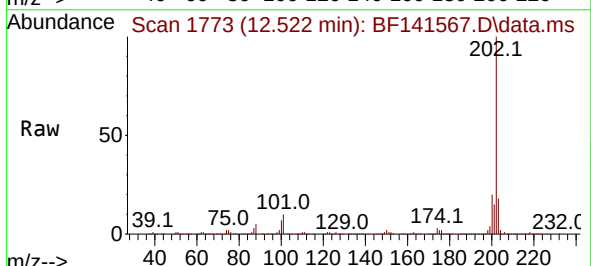
Tgt Ion:202 Resp: 551525

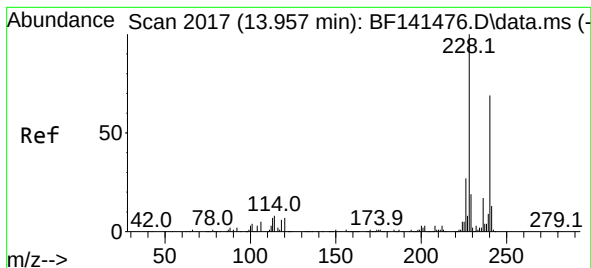
Ion Ratio Lower Upper

202 100

101 9.6 0.0 30.2

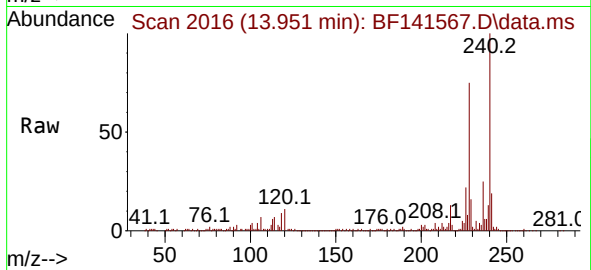
203 17.5 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

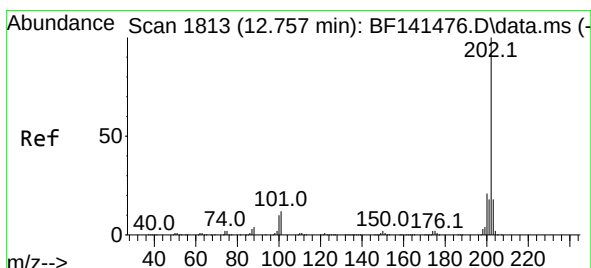
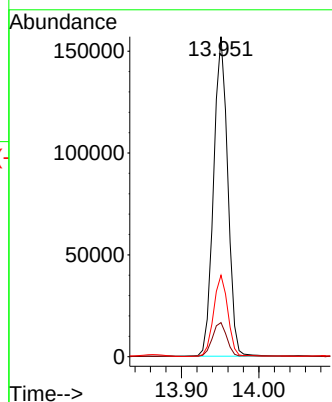
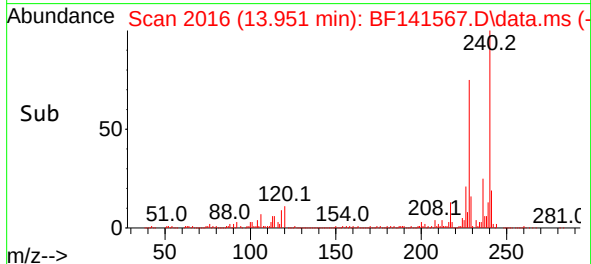
Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL



Tgt Ion:240 Resp: 199404
Ion Ratio Lower Upper
240 100
120 10.7 8.0 12.0
236 25.4 19.8 29.8

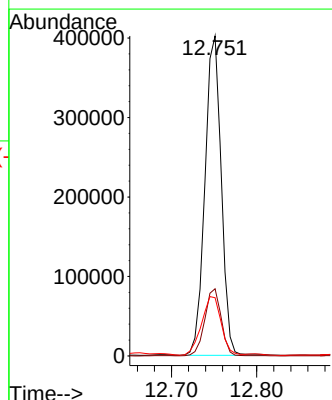
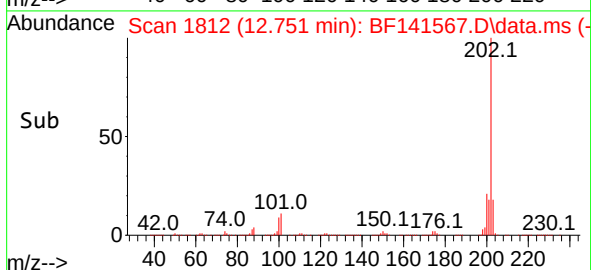
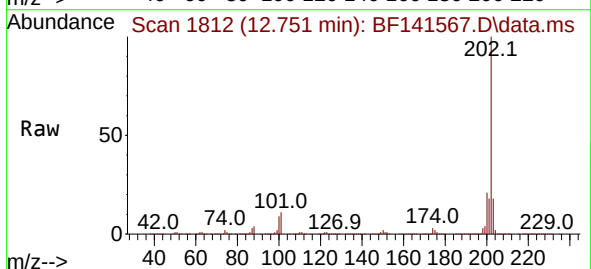
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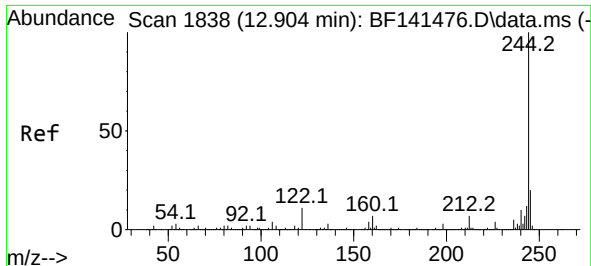
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#78
Pyrene
Concen: 31.500 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.012 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

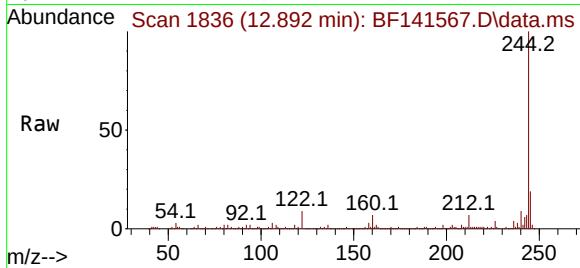
Tgt Ion:202 Resp: 534703
Ion Ratio Lower Upper
202 100
200 21.0 17.0 25.4
203 18.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 17.458 ng
 RT: 12.892 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141567.D
 Acq: 11 Feb 2025 17:35

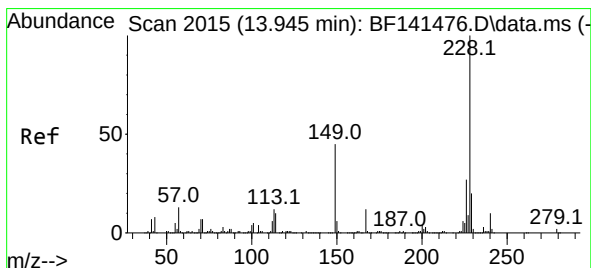
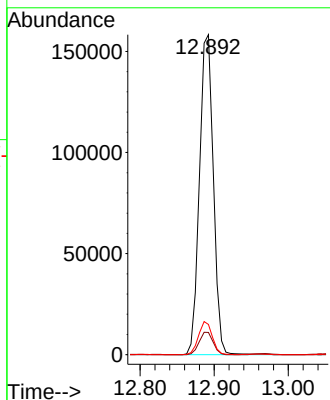
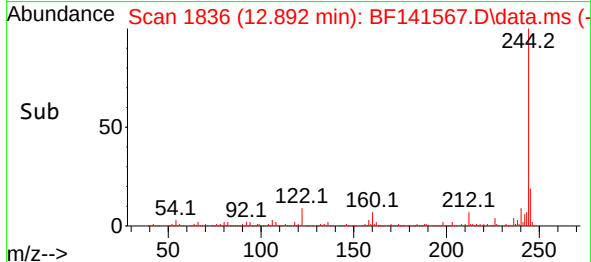
Instrument :
 BNA_F
 ClientSampleId :
 JPP-20.1-012725DL



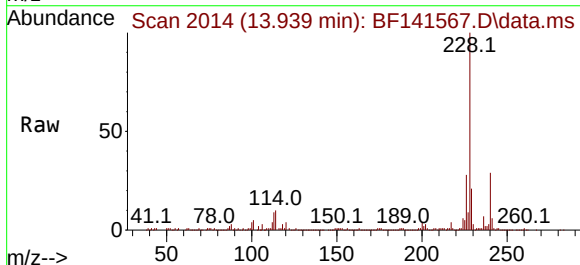
Tgt Ion:244 Resp: 206209
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 9.5 8.4 12.6

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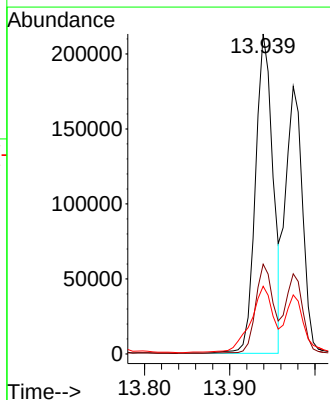
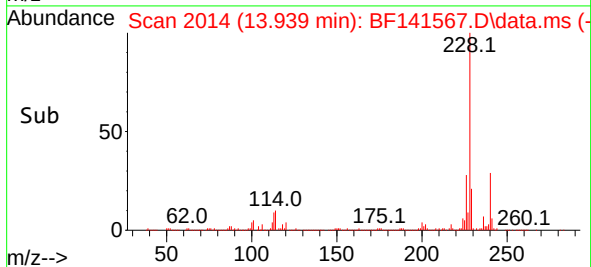
Reviewed By :Jagrut Upadhyay 02/11/2025
 Supervised By :mohammad ahmed 02/12/2025

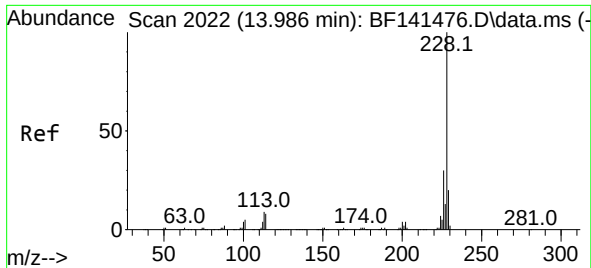


#81
 Benzo(a)anthracene
 Concen: 23.056 ng
 RT: 13.939 min Scan# 2014
 Delta R.T. -0.012 min
 Lab File: BF141567.D
 Acq: 11 Feb 2025 17:35



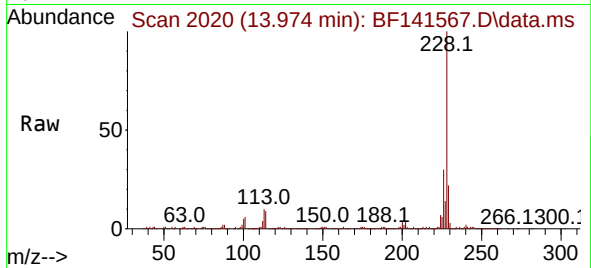
Tgt Ion:228 Resp: 305607
 Ion Ratio Lower Upper
 228 100
 226 28.1 21.8 32.8
 229 21.1 15.8 23.6





#83
Chrysene
Concen: 19.808 ng
RT: 13.974 min Scan# 2022
Delta R.T. -0.017 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

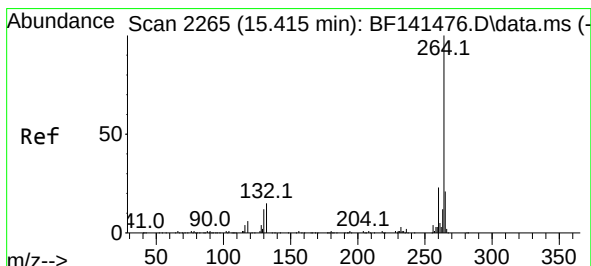
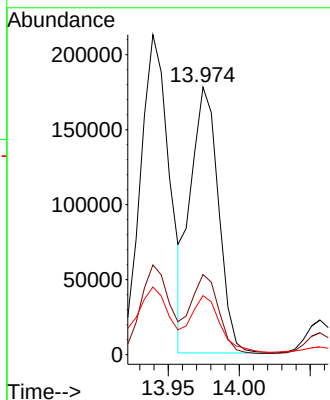
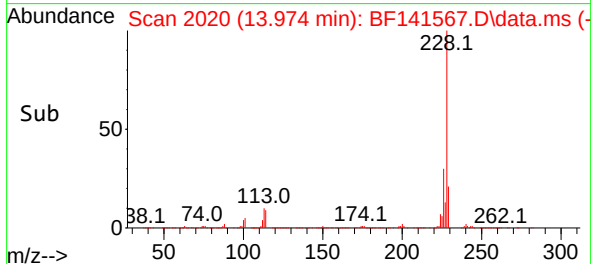
Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL



Tgt Ion:228 Resp: 24243
Ion Ratio Lower Upper
228 100
226 30.0 24.0 36.0
229 22.1 15.7 23.5

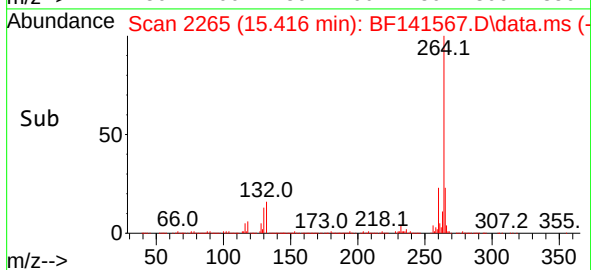
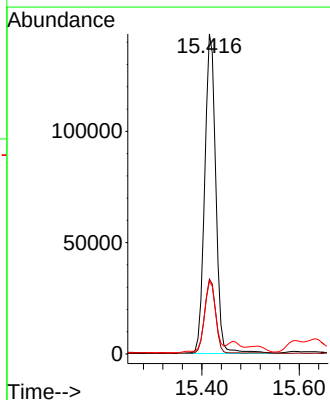
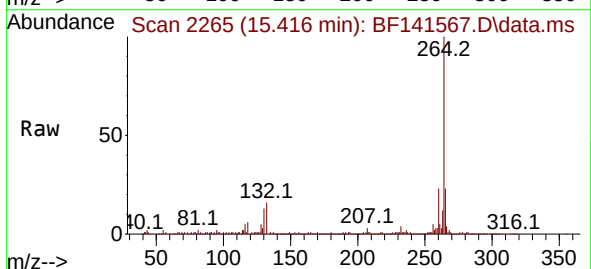
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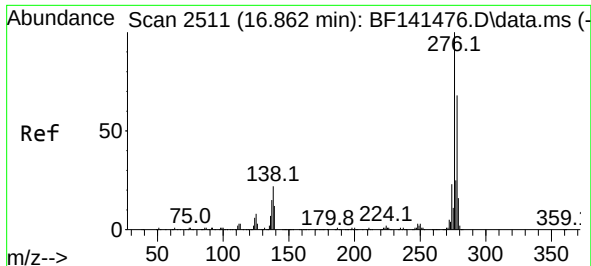
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.416 min Scan# 2265
Delta R.T. 0.000 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

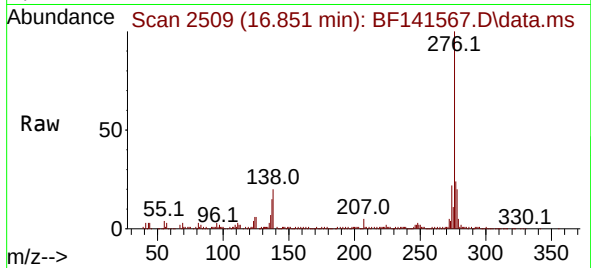
Tgt Ion:264 Resp: 227355
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.8 17.0 25.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.914 ng
RT: 16.851 min Scan# 2194
Delta R.T. -0.023 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

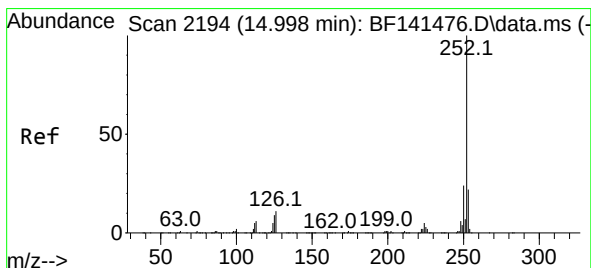
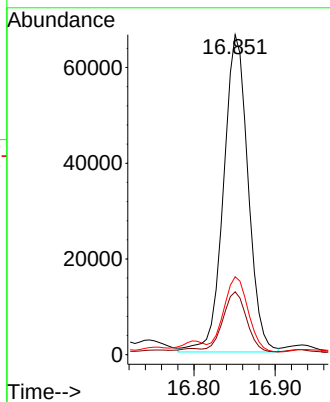
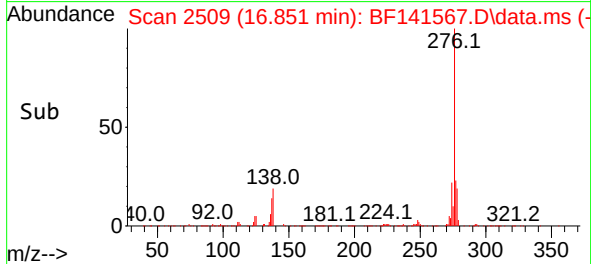
Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL



Tgt Ion: 276 Resp: 13927
Ion Ratio Lower Upper
276 100
138 18.7 18.0 27.0
277 23.7 20.4 30.6

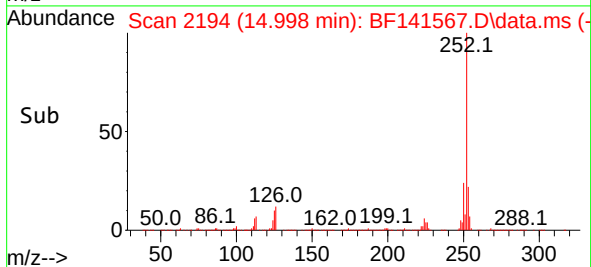
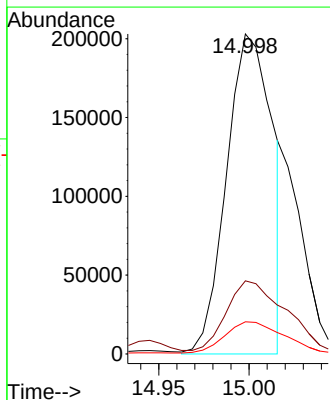
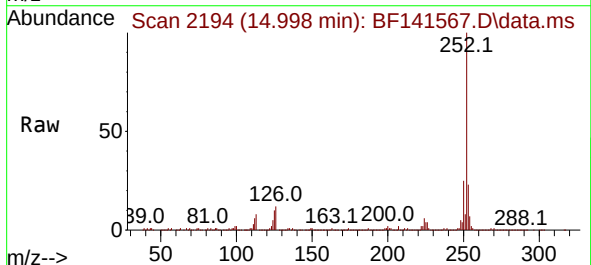
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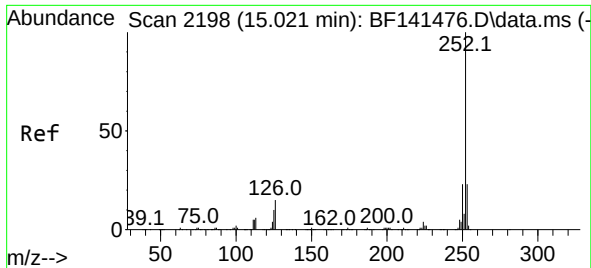
Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#88
Benzo(b)fluoranthene
Concen: 23.545 ng m
RT: 14.998 min Scan# 2194
Delta R.T. -0.006 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion: 252 Resp: 359438
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 10.0 7.0 10.6





#89

Benzo(k)fluoranthene

Concen: 7.993 ng m

RT: 15.016 min Scan# 2198

Delta R.T. -0.017 min

Lab File: BF141567.D

Acq: 11 Feb 2025 17:35

Instrument :

BNA_F

ClientSampleId :

JPP-20.1-012725DL

Tgt Ion:252 Resp: 104198

Ion Ratio Lower Upper

252 100

253 22.9 18.0 27.0

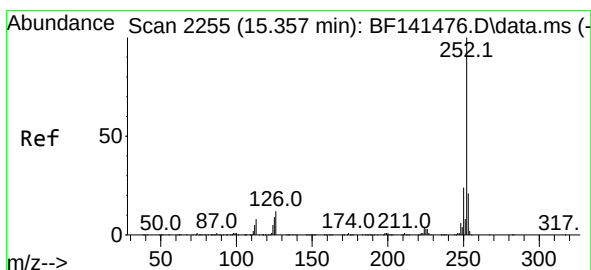
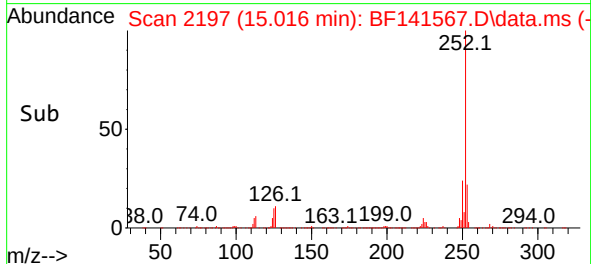
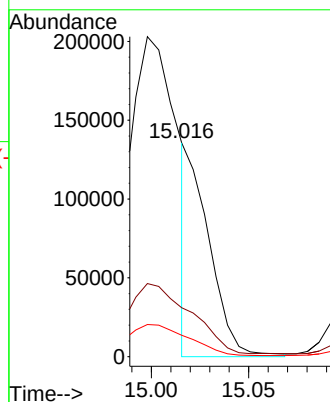
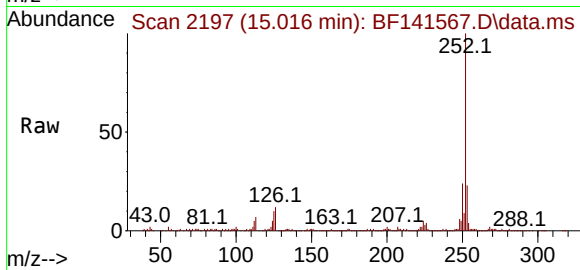
125 10.1 7.4 11.0

Manual Integrations

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Reviewed By :Jagrut Upadhyay 02/11/2025

Supervised By :mohammad ahmed 02/12/2025



#90

Benzo(a)pyrene

Concen: 21.760 ng

RT: 15.357 min Scan# 2255

Delta R.T. -0.006 min

Lab File: BF141567.D

Acq: 11 Feb 2025 17:35

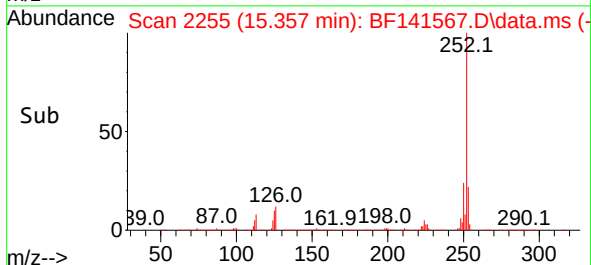
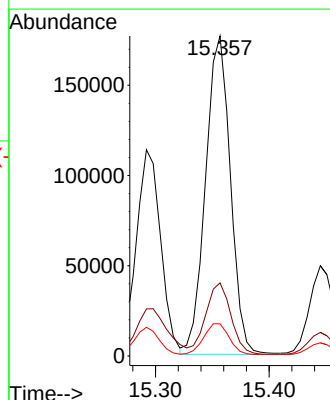
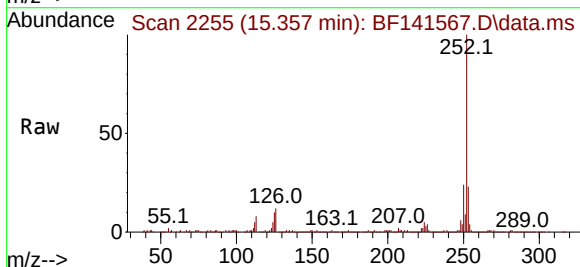
Tgt Ion:252 Resp: 268790

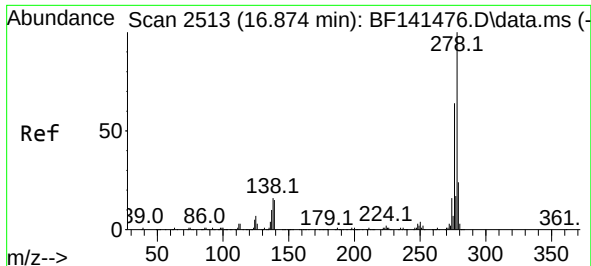
Ion Ratio Lower Upper

252 100

253 22.9 17.1 25.7

125 10.0 7.4 11.2





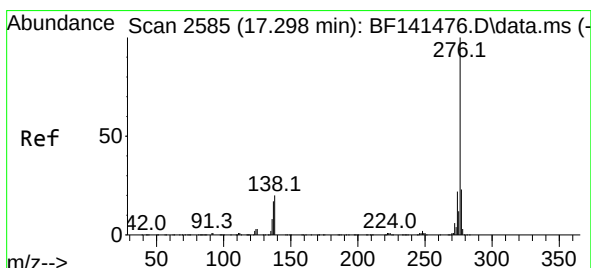
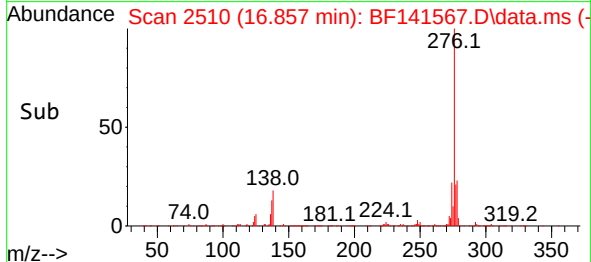
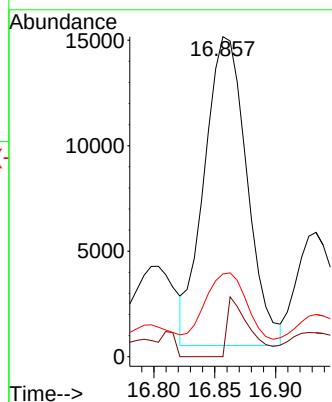
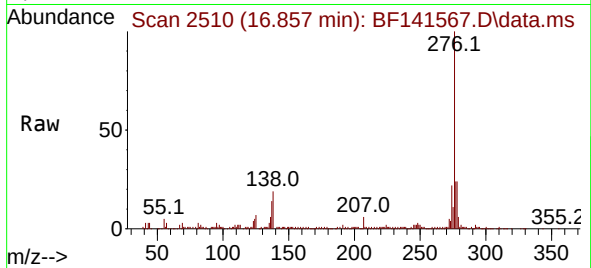
#91
Dibenzo(a,h)anthracene
Concen: 3.135 ng
RT: 16.857 min Scan# 2510
Delta R.T. -0.035 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Instrument :
BNA_F
ClientSampleId :
JPP-20.1-012725DL

Tgt Ion:278 Resp: 3568
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6
279 25.8 19.1 28.7

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Reviewed By :Jagrut Upadhyay 02/11/2025
Supervised By :mohammad ahmed 02/12/2025



#92
Benzo(g,h,i)perylene
Concen: 10.684 ng
RT: 17.286 min Scan# 2583
Delta R.T. -0.029 min
Lab File: BF141567.D
Acq: 11 Feb 2025 17:35

Tgt Ion:276 Resp: 127266
Ion Ratio Lower Upper
276 100
277 24.1 18.6 28.0
138 19.1 15.9 23.9

