

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
 Data File : BF141866.D
 Acq On : 06 Mar 2025 14:01
 Operator : RC/JU
 Sample : Q1489-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025

Quant Time: Mar 06 14:20:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	156672	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	614163	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	329629	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	559552	20.000	ng	0.00
76) Chrysene-d12	14.039	240	404198	20.000	ng	-0.01
86) Perylene-d12	15.509	264	425654	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	935267	95.334	ng	0.00
7) Phenol-d6	6.498	99	1181351	92.516	ng	-0.01
23) Nitrobenzene-d5	7.439	82	724150	75.367	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	334813	108.192	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1296112	63.048	ng	0.00
79) Terphenyl-d14	12.986	244	1324842	53.031	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.186	128	64727	2.051	ng	99
58) Fluorene	10.463	166	57185	2.800	ng	100
71) Phenanthrene	11.427	178	351739	11.752	ng	97
72) Anthracene	11.474	178	131080	4.370	ng	98
75) Fluoranthene	12.616	202	404745	13.197	ng	96
78) Pyrene	12.839	202	304609	8.703	ng	99
81) Benzo(a)anthracene	14.027	228	170463m	6.385	ng	
83) Chrysene	14.063	228	125627	5.105	ng	96
87) Indeno(1,2,3-cd)pyrene	16.986	276	68740	2.536	ng	# 92
88) Benzo(b)fluoranthene	15.080	252	152413m	5.257	ng	
89) Benzo(k)fluoranthene	15.092	252	66031m	2.679	ng	
90) Benzo(a)pyrene	15.445	252	112431	4.835	ng	98
92) Benzo(g,h,i)perylene	17.439	276	63082	2.783	ng	99

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

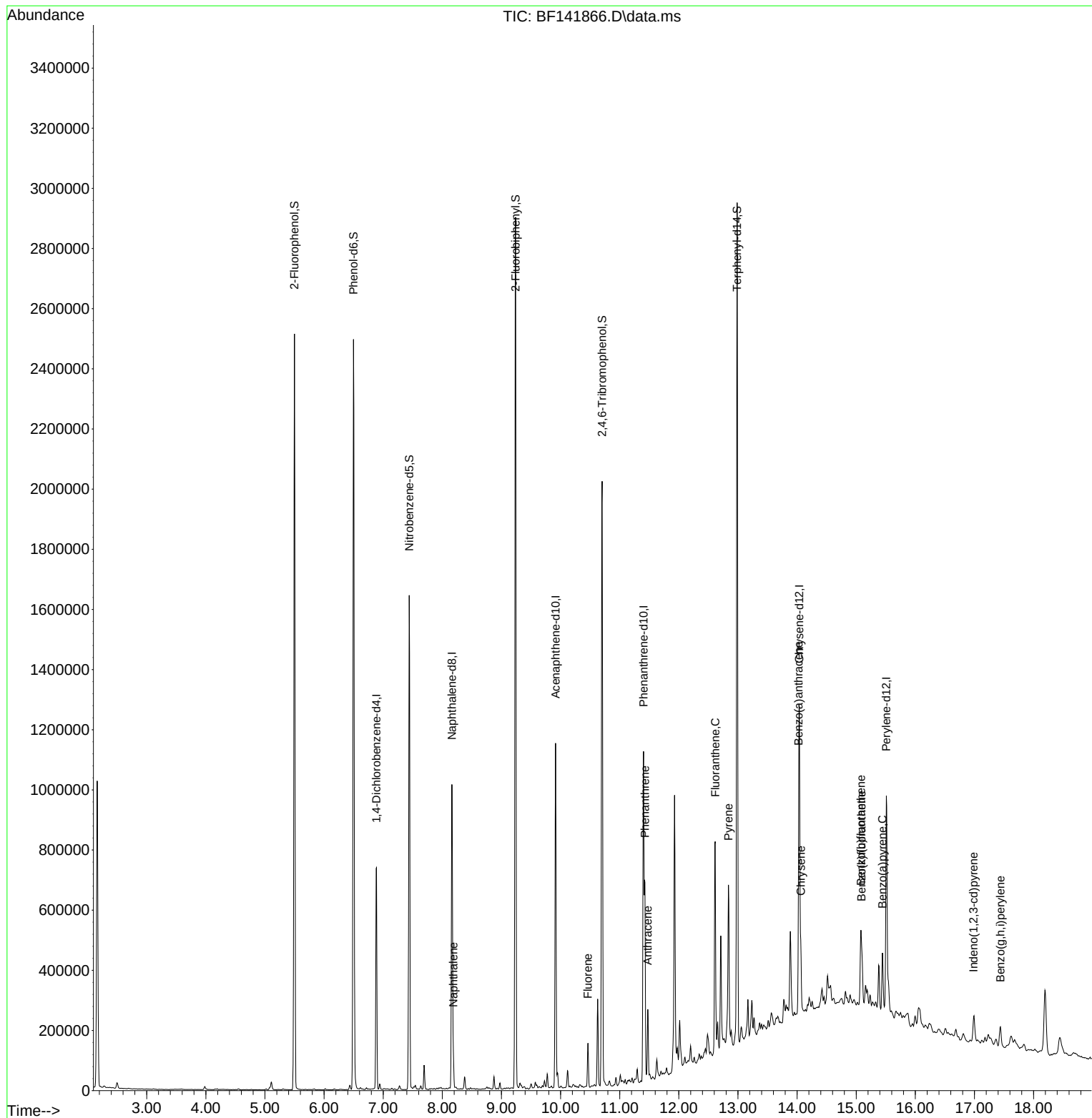
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030625\
Data File : BF141866.D
Acq On : 06 Mar 2025 14:01
Operator : RC/JU
Sample : Q1489-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

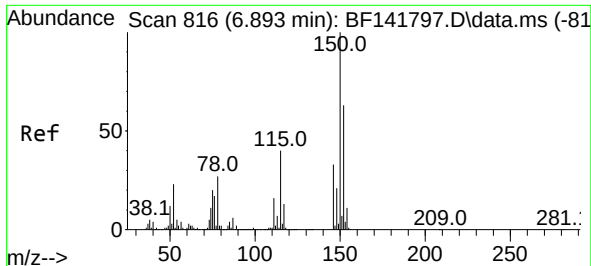
Instrument :
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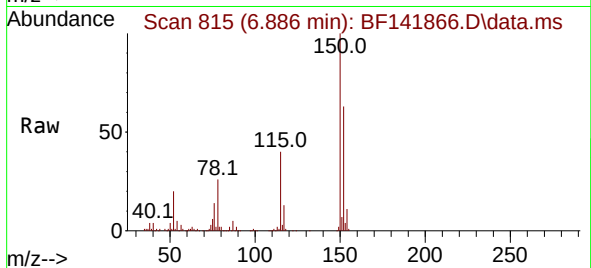
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

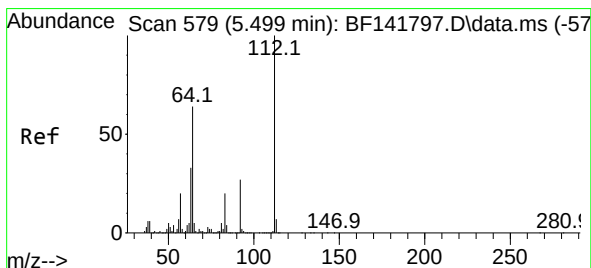
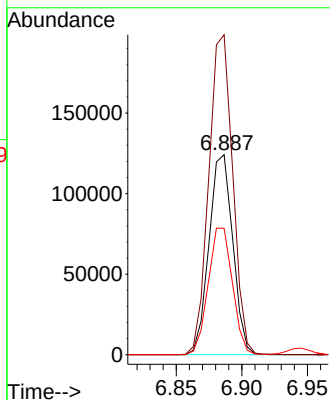
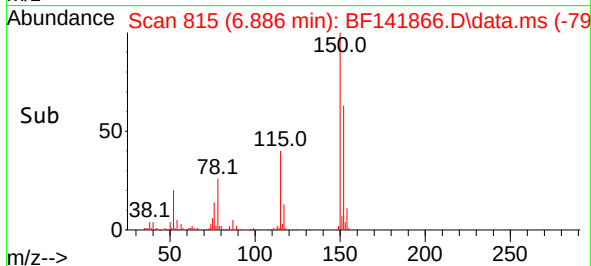
Instrument :
BNA_F
ClientSampleId :
TP-2



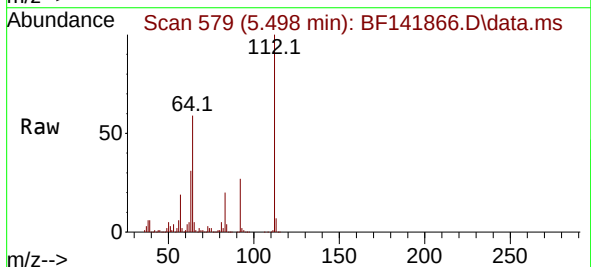
Tgt Ion:152 Resp: 156672
Ion Ratio Lower Upper
152 100
150 159.9 127.5 191.3
115 63.2 51.4 77.2

Manual Integrations
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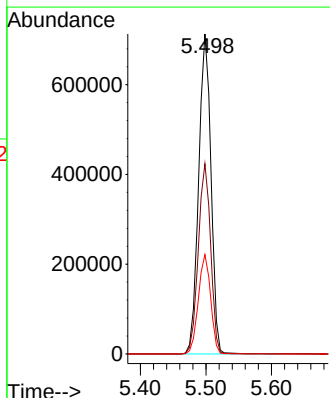
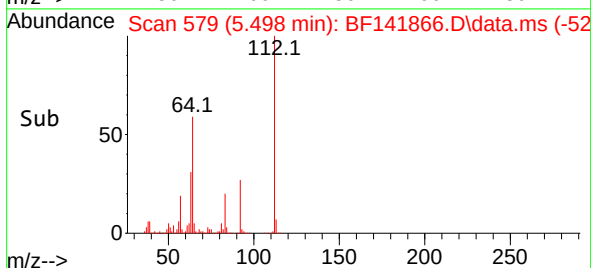
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

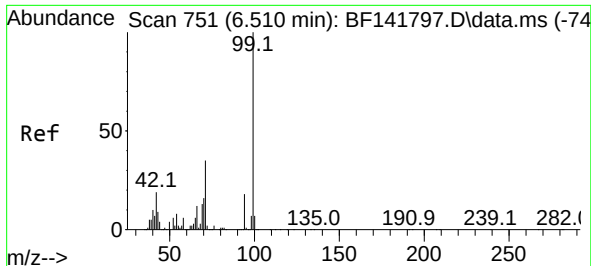


#5
2-Fluorophenol
Concen: 95.334 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01



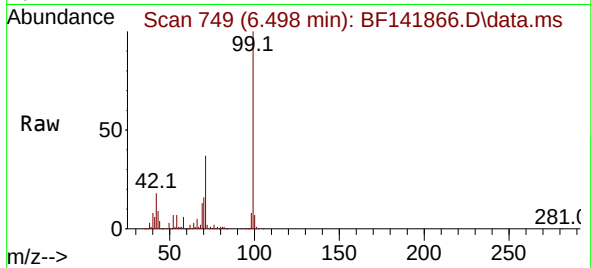
Tgt Ion:112 Resp: 935267
Ion Ratio Lower Upper
112 100
64 59.4 51.3 76.9
63 31.0 26.2 39.4





#7
Phenol-d6
Concen: 92.516 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

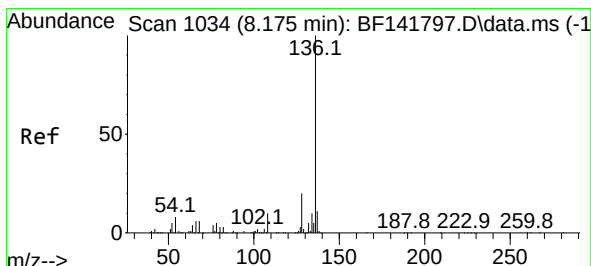
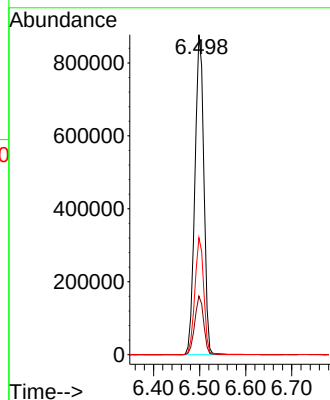
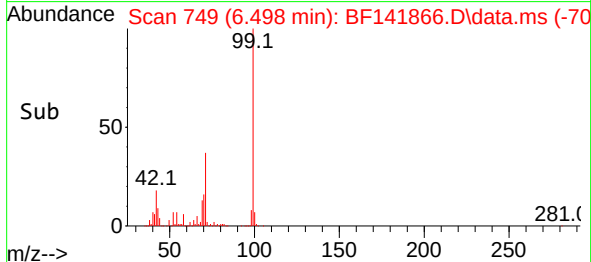
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 99 Resp: 118135
Ion Ratio Lower Upper
99 100
42 18.3 15.2 22.8
71 36.5 28.2 42.2

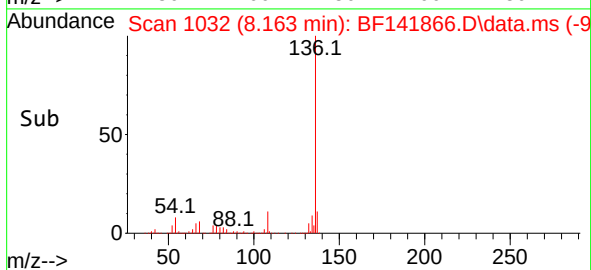
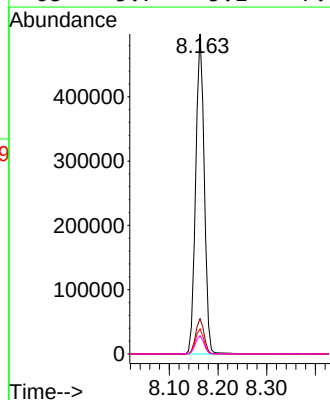
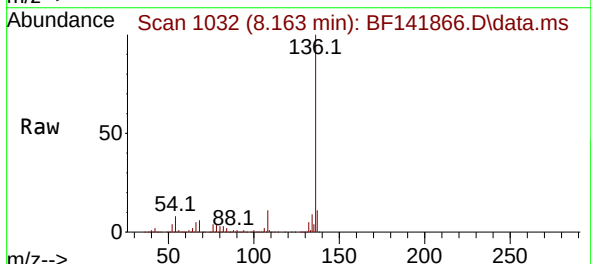
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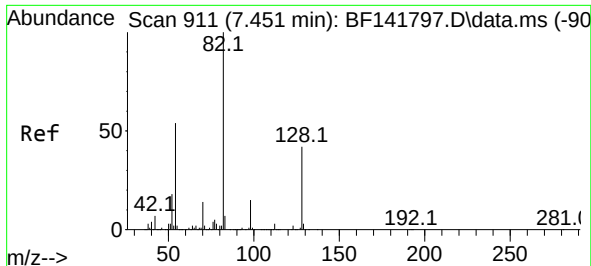
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

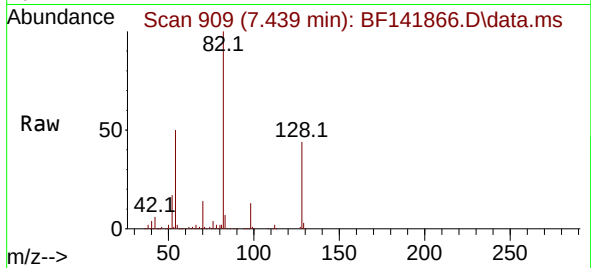
Tgt Ion:136 Resp: 614163
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 7.8 6.9 10.3
68 5.7 5.1 7.7





#23
Nitrobenzene-d5
Concen: 75.367 ng
RT: 7.439 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

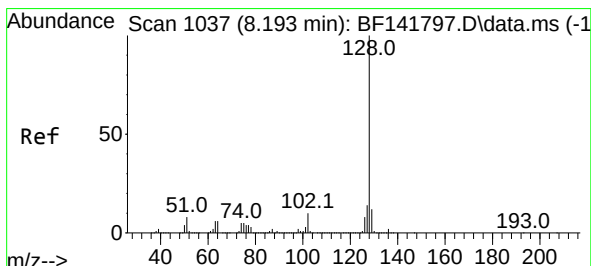
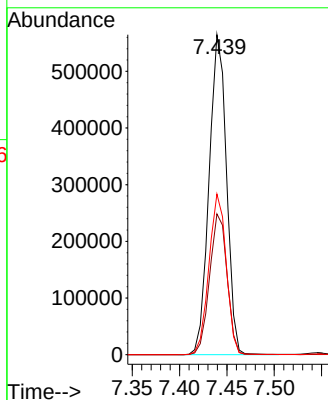
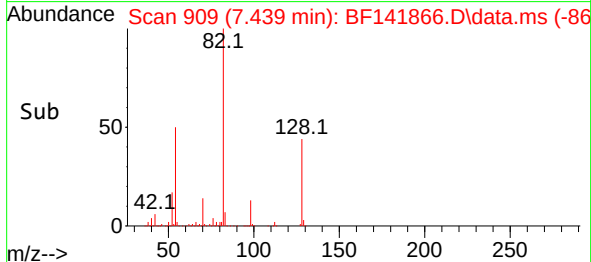
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 82 Resp: 724150
Ion Ratio Lower Upper
82 100
128 44.0 33.5 50.3
54 50.2 42.7 64.1

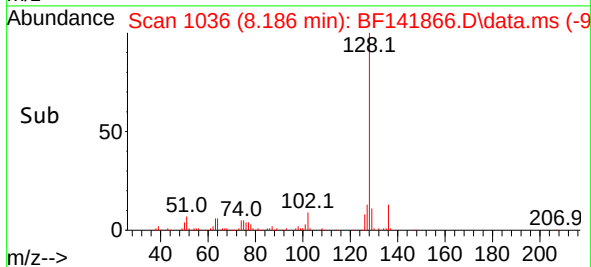
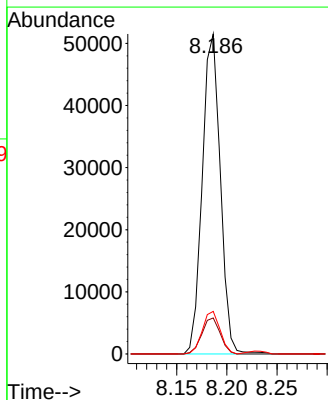
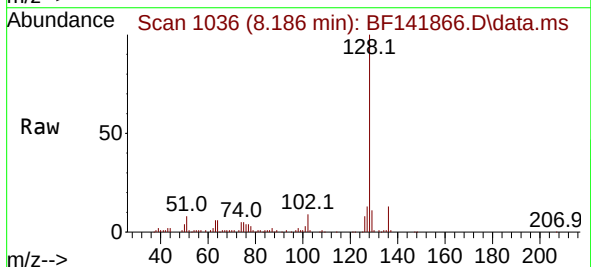
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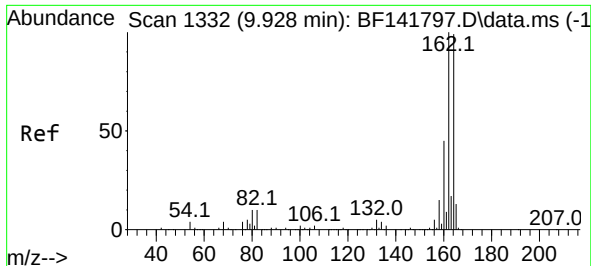
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#31
Naphthalene
Concen: 2.051 ng
RT: 8.186 min Scan# 1036
Delta R.T. -0.006 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

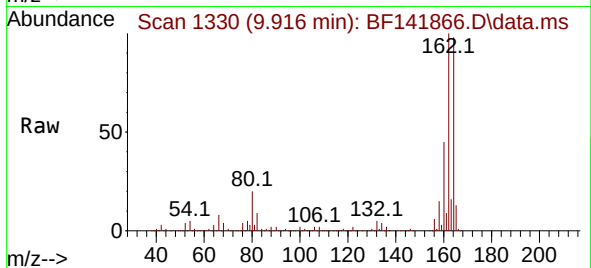
Tgt Ion:128 Resp: 64727
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.3 11.0 16.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

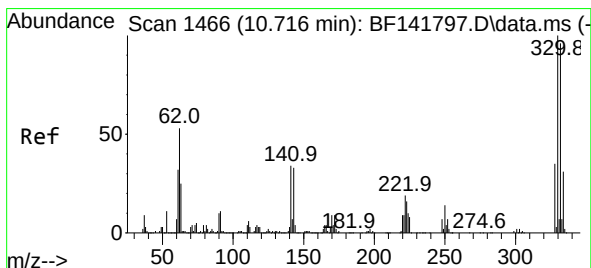
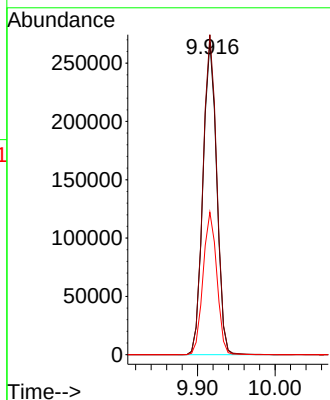
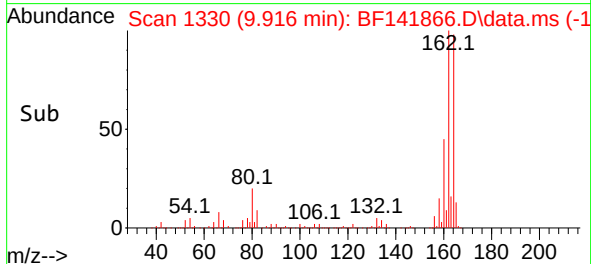
Instrument :
BNA_F
ClientSampleId :
TP-2



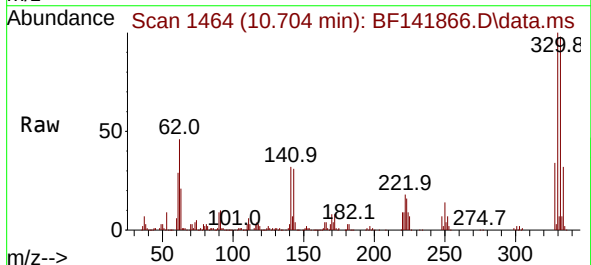
Tgt Ion:164 Resp: 329629
Ion Ratio Lower Upper
164 100
162 102.3 80.6 120.8
160 45.6 36.3 54.5

Manual Integrations
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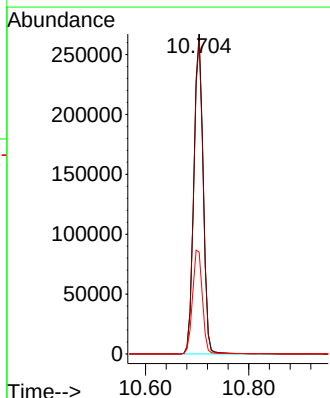
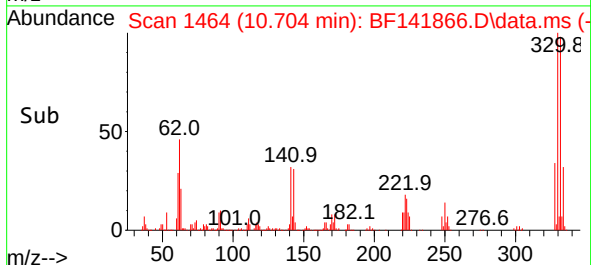
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Supervised By :Jagrut Upadhyay 03/07/2025

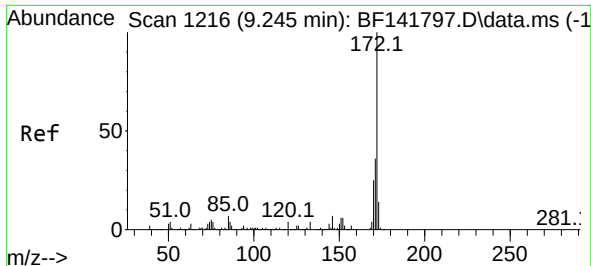


#42
2,4,6-Tribromophenol
Concen: 108.192 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01



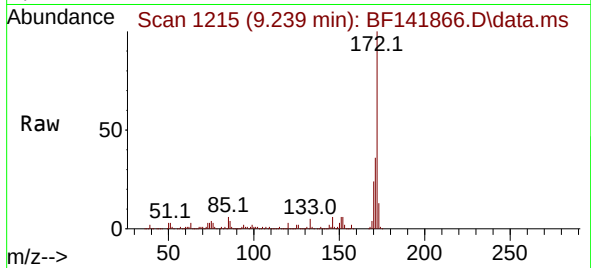
Tgt Ion:330 Resp: 334813
Ion Ratio Lower Upper
330 100
332 97.7 76.6 115.0
141 34.4 29.0 43.4





#45
2-Fluorobiphenyl
Concen: 63.048 ng
RT: 9.239 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

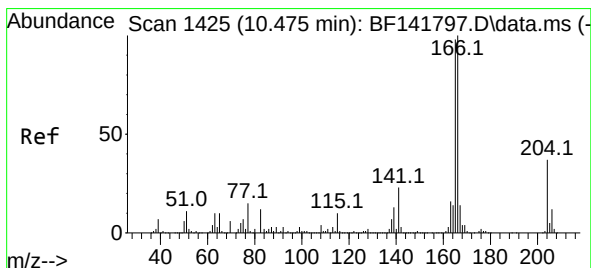
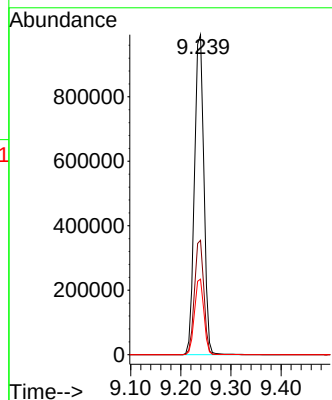
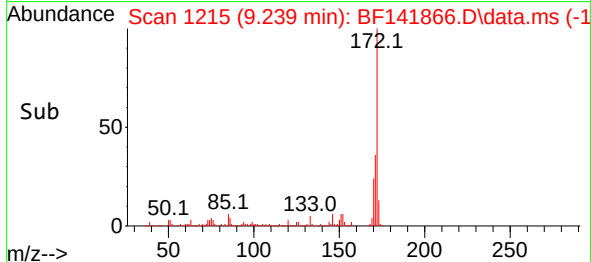
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:172 Resp: 129611
Ion Ratio Lower Upper
172 100
171 35.8 29.2 43.8
170 23.6 19.7 29.5

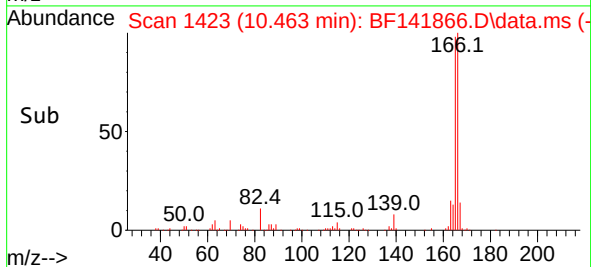
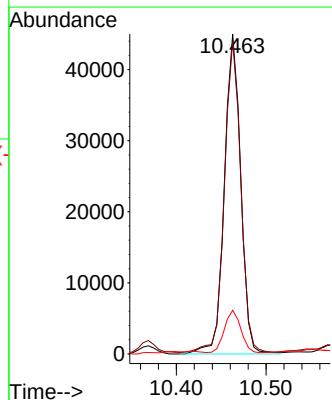
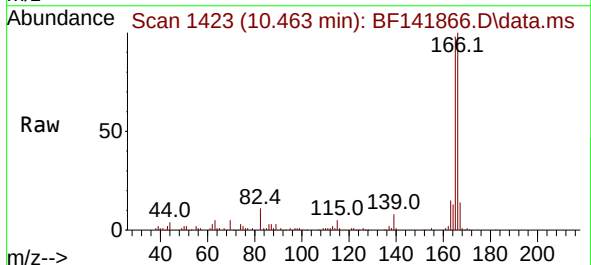
Manual Integrations
APPROVED

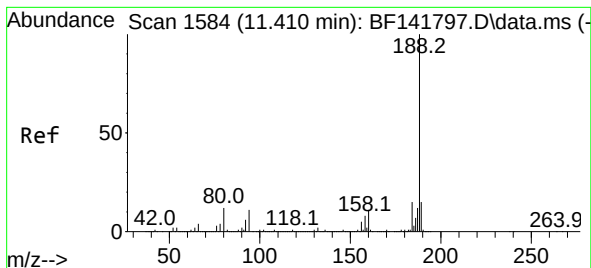
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#58
Fluorene
Concen: 2.800 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

Tgt Ion:166 Resp: 57185
Ion Ratio Lower Upper
166 100
165 97.8 78.6 117.8
167 13.6 11.0 16.4





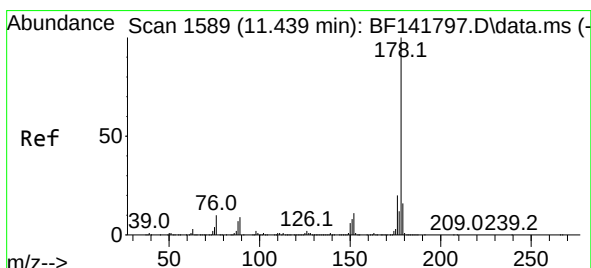
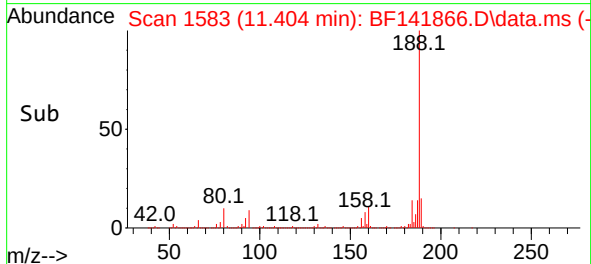
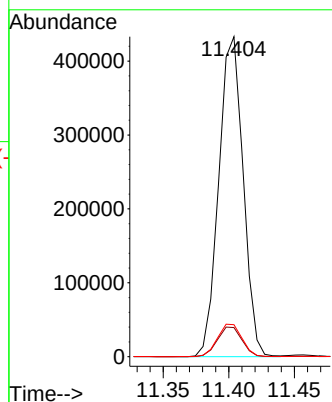
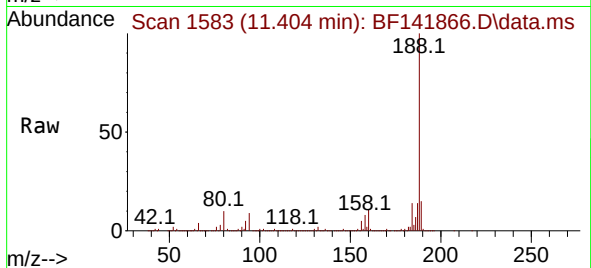
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:188 Resp: 55955
Ion Ratio Lower Upper
188 100
94 9.1 8.9 13.3
80 10.0 9.7 14.5

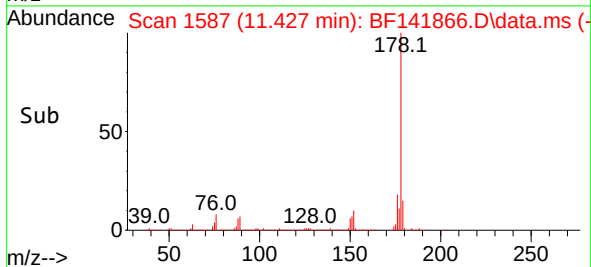
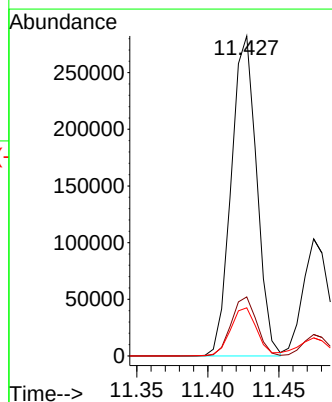
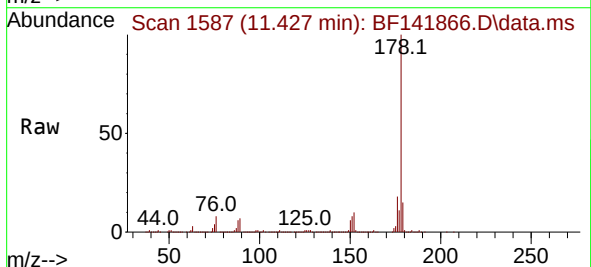
Manual Integrations
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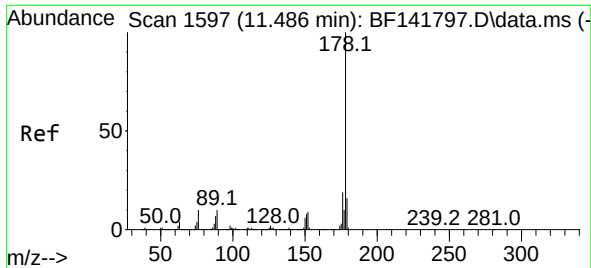
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#71
Phenanthrene
Concen: 11.752 ng
RT: 11.427 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

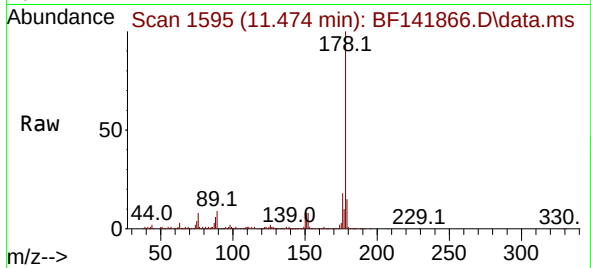
Tgt Ion:178 Resp: 351739
Ion Ratio Lower Upper
178 100
176 18.5 16.0 24.0
179 15.1 12.6 19.0





#72
 Anthracene
 Concen: 4.370 ng
 RT: 11.474 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141866.D
 Acq: 06 Mar 2025 14:01

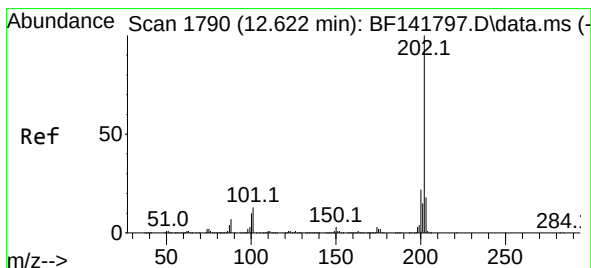
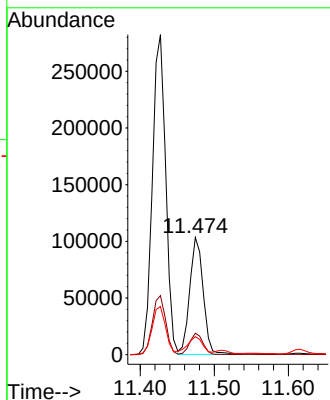
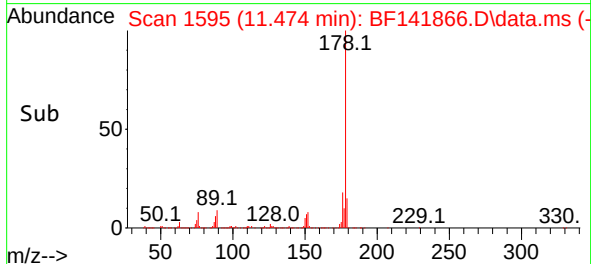
Instrument :
 BNA_F
 ClientSampleId :
 TP-2



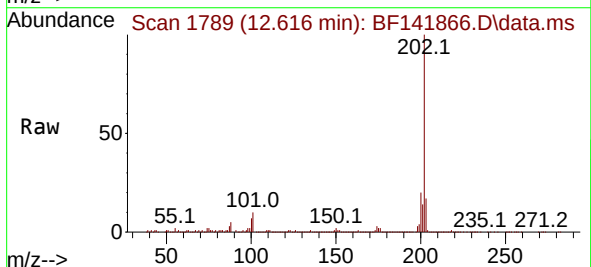
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 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.4 12.8 19.2

Manual Integrations
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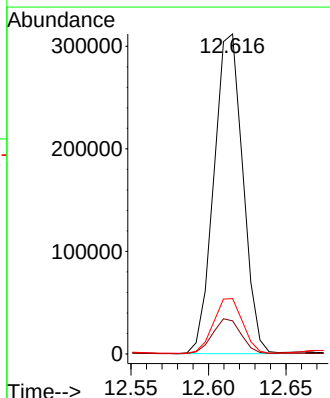
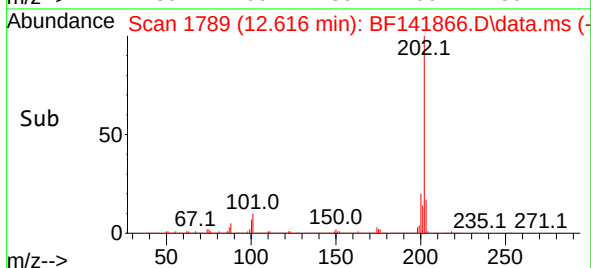
Reviewed By :Anahy Claudio 03/07/2025
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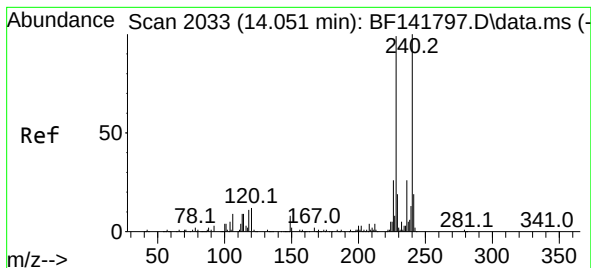


#75
 Fluoranthene
 Concen: 13.197 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF141866.D
 Acq: 06 Mar 2025 14:01



Tgt Ion:202 Resp: 404745
 Ion Ratio Lower Upper
 202 100
 101 10.3 0.0 32.8
 203 17.3 0.0 38.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. -0.012 min

Lab File: BF141866.D

Acq: 06 Mar 2025 14:01

Instrument :

BNA_F

ClientSampleId :

TP-2

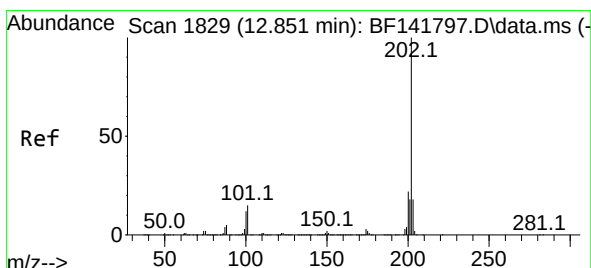
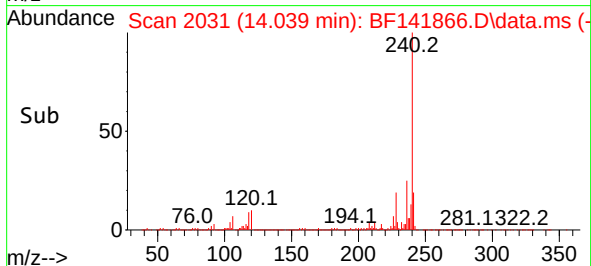
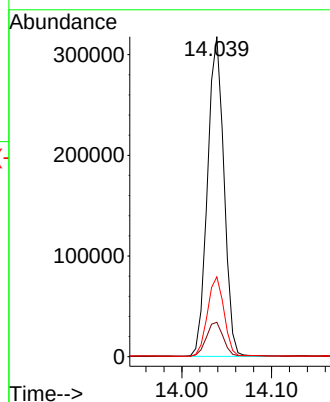
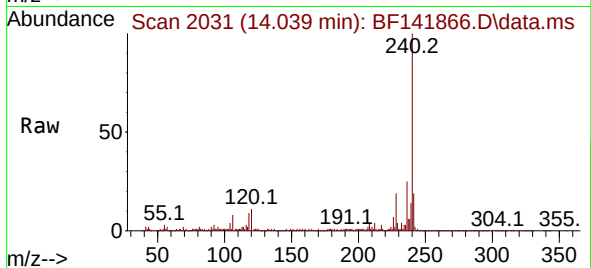
Tgt Ion:240 Resp: 404198

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.7	14.5
236	25.0	21.0	31.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#78

Pyrene

Concen: 8.703 ng

RT: 12.839 min Scan# 1827

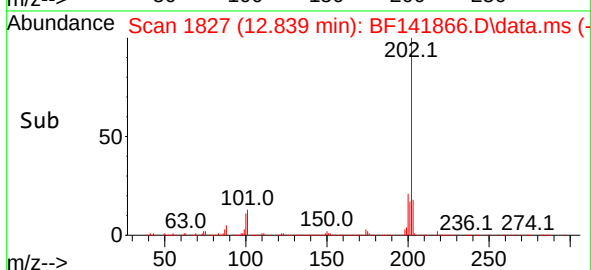
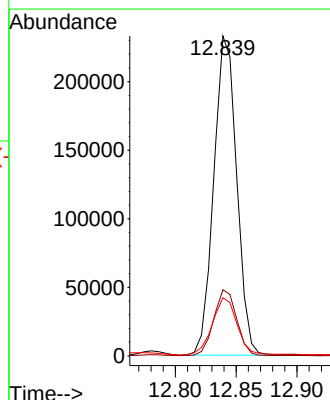
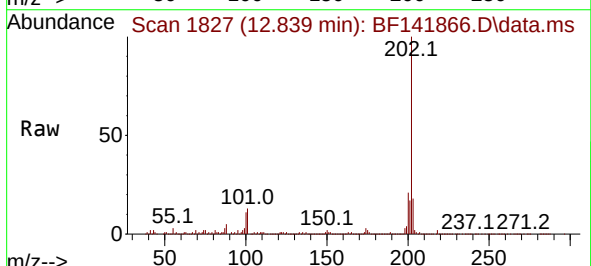
Delta R.T. -0.012 min

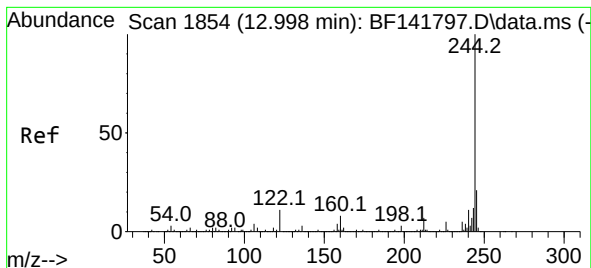
Lab File: BF141866.D

Acq: 06 Mar 2025 14:01

Tgt Ion:202 Resp: 304609

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.0
203	18.2	14.6	22.0





#79

Terphenyl-d14

Concen: 53.031 ng

RT: 12.986 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141866.D

Acq: 06 Mar 2025 14:01

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:244 Resp: 132484

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

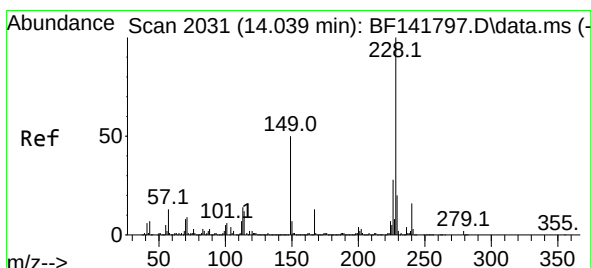
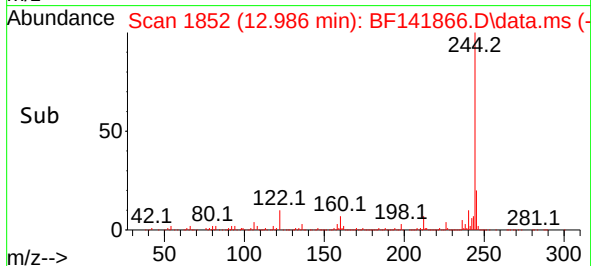
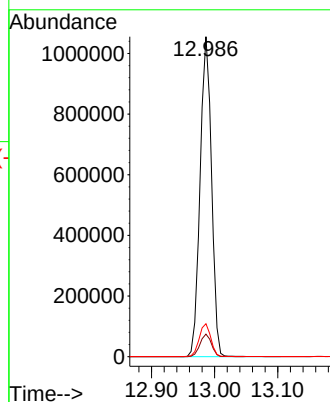
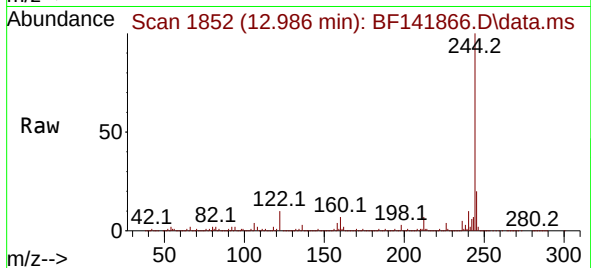
122 10.3 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/07/2025

Supervised By :Jagrut Upadhyay 03/07/2025



#81

Benzo(a)anthracene

Concen: 6.385 ng m

RT: 14.027 min Scan# 2029

Delta R.T. -0.012 min

Lab File: BF141866.D

Acq: 06 Mar 2025 14:01

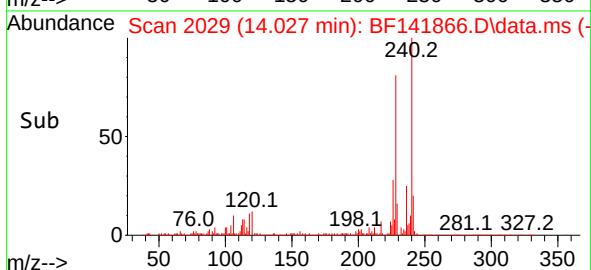
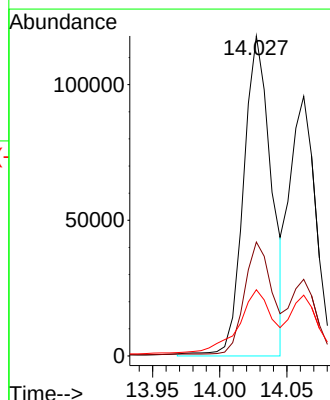
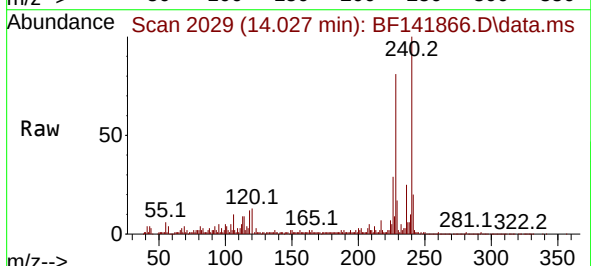
Tgt Ion:228 Resp: 170463

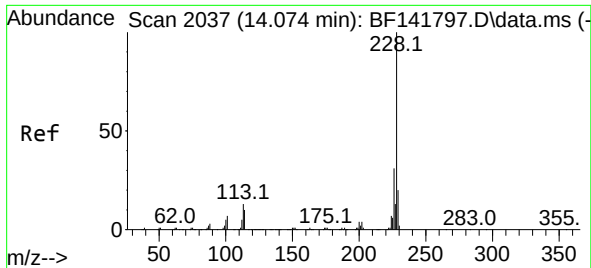
Ion Ratio Lower Upper

228 100

226 35.6 22.1 33.1#

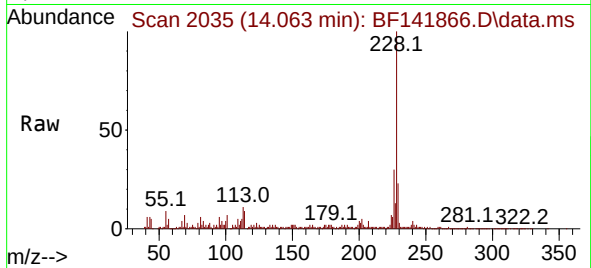
229 20.7 16.1 24.1





#83
Chrysene
Concen: 5.105 ng
RT: 14.063 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

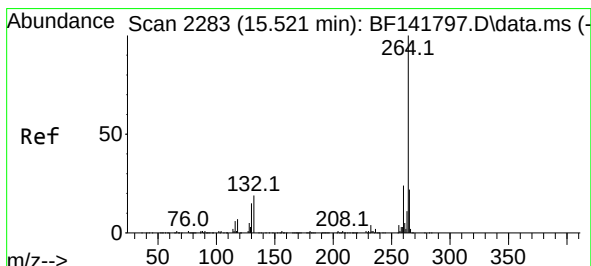
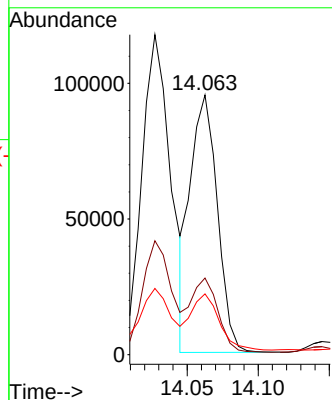
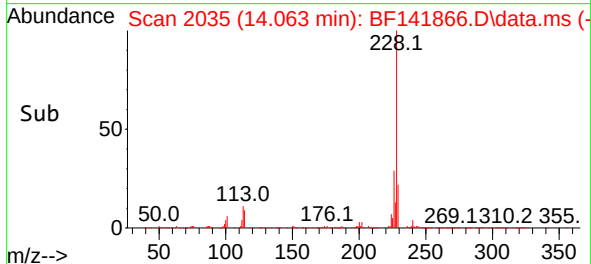
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:228 Resp: 12562
Ion Ratio Lower Upper
228 100
226 29.5 24.6 37.0
229 23.4 16.1 24.1

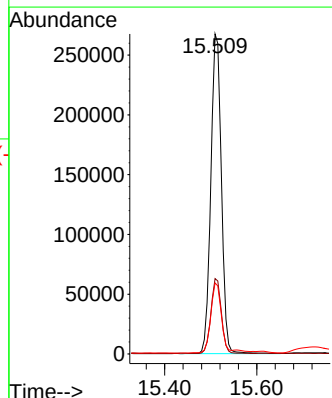
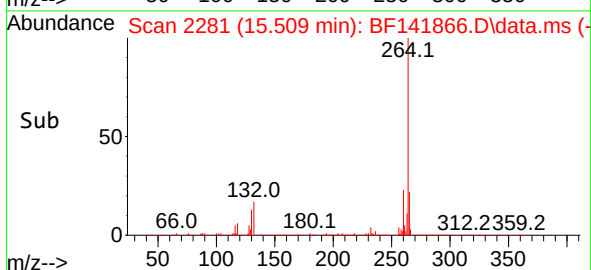
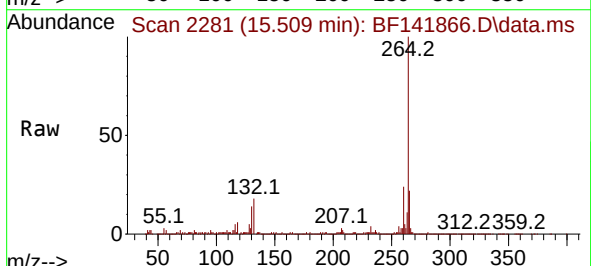
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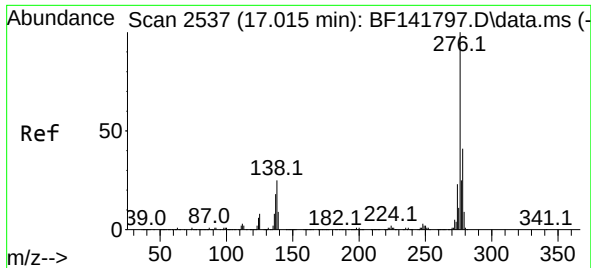
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

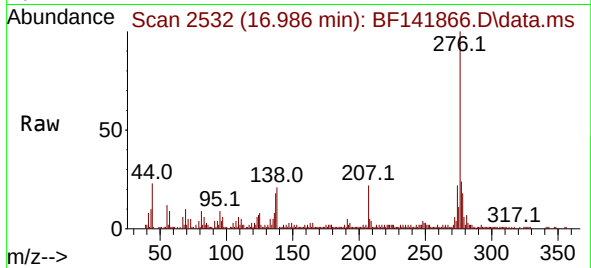
Tgt Ion:264 Resp: 425654
Ion Ratio Lower Upper
264 100
260 23.6 18.9 28.3
265 22.2 17.4 26.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.536 ng
RT: 16.986 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

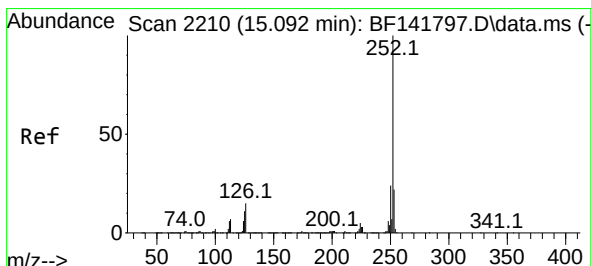
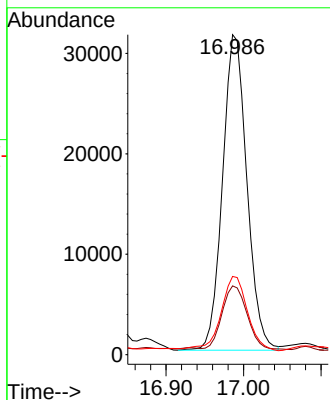
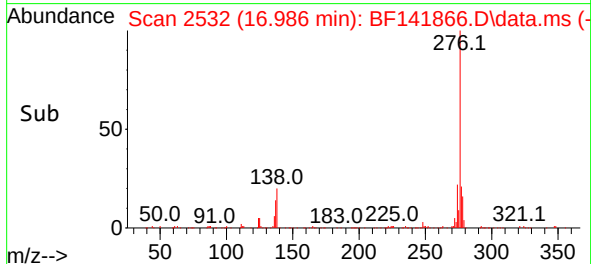
Instrument :
BNA_F
ClientSampleId :
TP-2



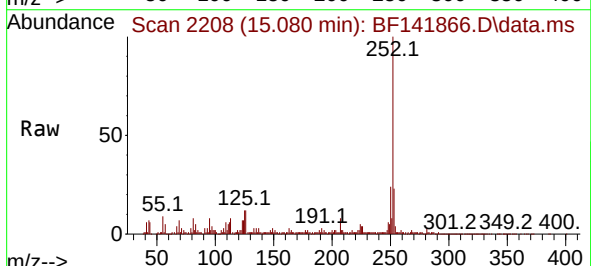
Tgt Ion: 276 Resp: 68740
Ion Ratio Lower Upper
276 100
138 20.7 22.5 33.7
277 25.6 20.3 30.5

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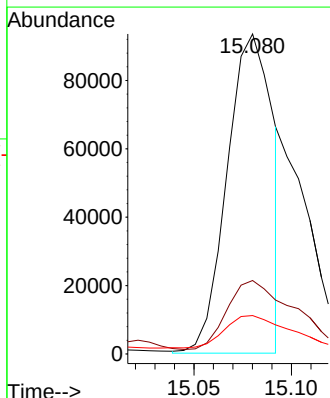
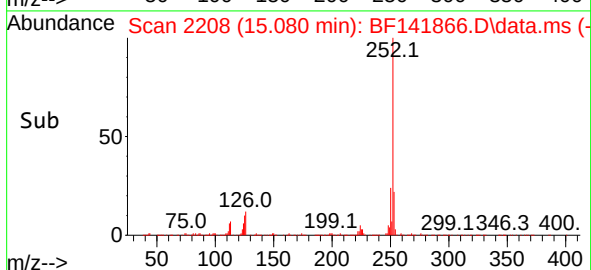
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025

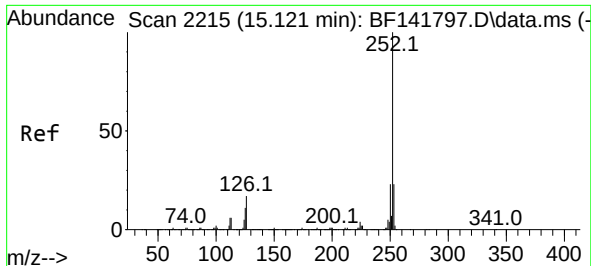


#88
Benzo(b)fluoranthene
Concen: 5.257 ng m
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01



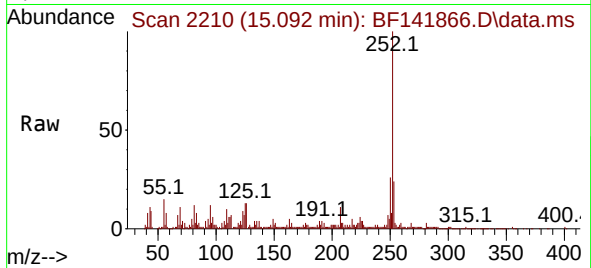
Tgt Ion: 252 Resp: 152413
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 12.0 8.6 13.0





#89
Benzo(k)fluoranthene
Concen: 2.679 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

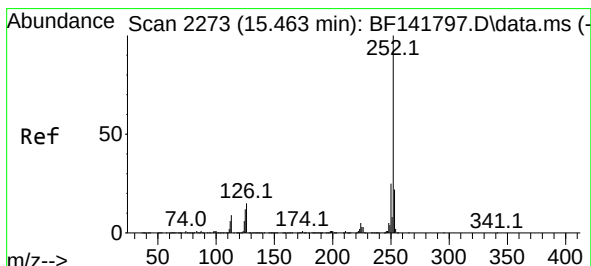
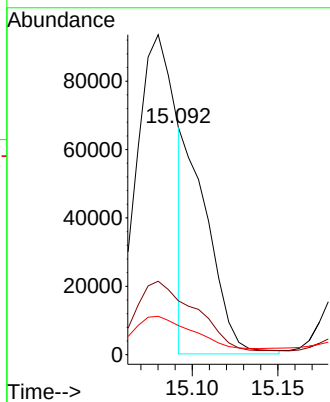
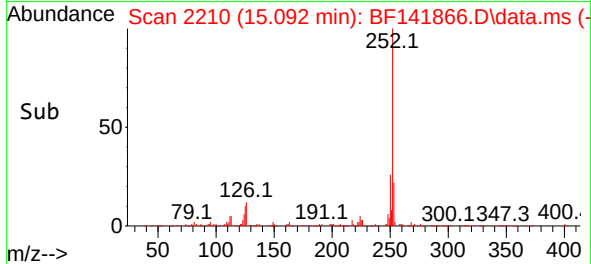
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:252 Resp: 6603
Ion Ratio Lower Upper
252 100
253 23.7 17.8 26.8
125 12.8 8.8 13.2

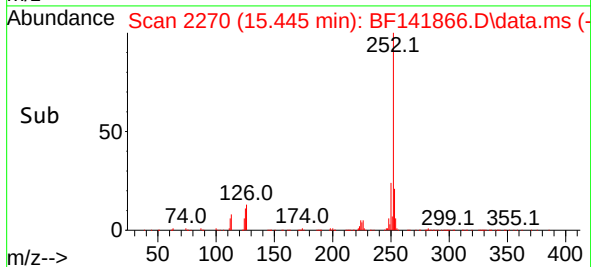
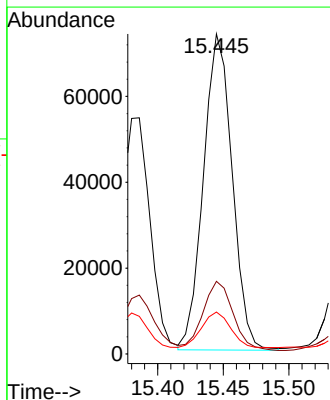
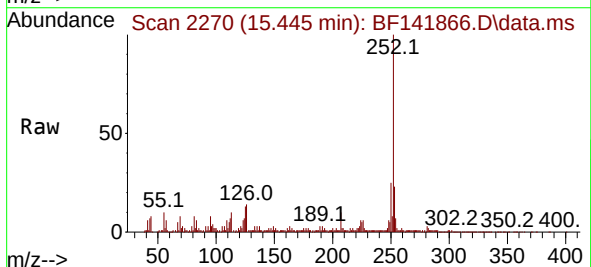
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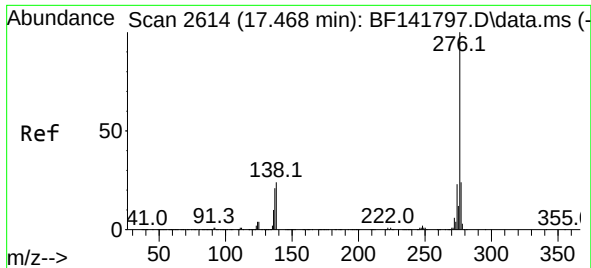
Reviewed By :Anahy Claudio 03/07/2025
Supervised By :Jagrut Upadhyay 03/07/2025



#90
Benzo(a)pyrene
Concen: 4.835 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.018 min
Lab File: BF141866.D
Acq: 06 Mar 2025 14:01

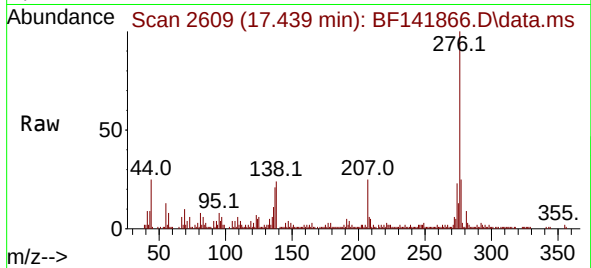
Tgt Ion:252 Resp: 112431
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 13.1 9.4 14.2





#92
 Benzo(g,h,i)perylene
 Concen: 2.783 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.030 min
 Lab File: BF141866.D
 Acq: 06 Mar 2025 14:01

Instrument :
 BNA_F
 ClientSampleId :
 TP-2



Tgt Ion:	276	Resp:	6308
Ion Ratio	Lower	Upper	
276	100		
277	25.0	19.4	29.0
138	23.7	19.3	28.9

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/07/2025
 Supervised By :Jagrut Upadhyay 03/07/2025

