

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030425\
 Data File : BF141833.D
 Acq On : 04 Mar 2025 18:15
 Operator : RC/JU
 Sample : Q1480-09 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/05/2025
 Supervised By :Jagrut Upadhyay 03/05/2025

Quant Time: Mar 05 00:18:44 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	6.887	152	213724	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	735458	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	328585	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	533475	20.000	ng	0.00
76) Chrysene-d12	14.039	240	507747	20.000	ng	-0.01
86) Perylene-d12	15.510	264	420246	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	224260	16.757	ng	0.00
7) Phenol-d6	6.493	99	264795	15.201	ng	-0.02
23) Nitrobenzene-d5	7.440	82	154180	13.400	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	45067	14.609	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	257517	12.566	ng	-0.01
79) Terphenyl-d14	12.986	244	257063	8.191	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.428	178	232124	8.135	ng	98
72) Anthracene	11.475	178	100657	3.520	ng	98
75) Fluoranthene	12.616	202	694594	23.755	ng	98
78) Pyrene	12.845	202	561870	12.779	ng	99
81) Benzo(a)anthracene	14.027	228	362879m	10.820	ng	
83) Chrysene	14.063	228	286718	9.274	ng	97
87) Indeno(1,2,3-cd)pyrene	16.992	276	92773	3.467	ng	96
88) Benzo(b)fluoranthene	15.080	252	273145m	9.542	ng	
89) Benzo(k)fluoranthene	15.092	252	134354m	5.522	ng	
90) Benzo(a)pyrene	15.445	252	196066	8.540	ng	97
92) Benzo(g,h,i)perylene	17.439	276	87017	3.889	ng	99

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

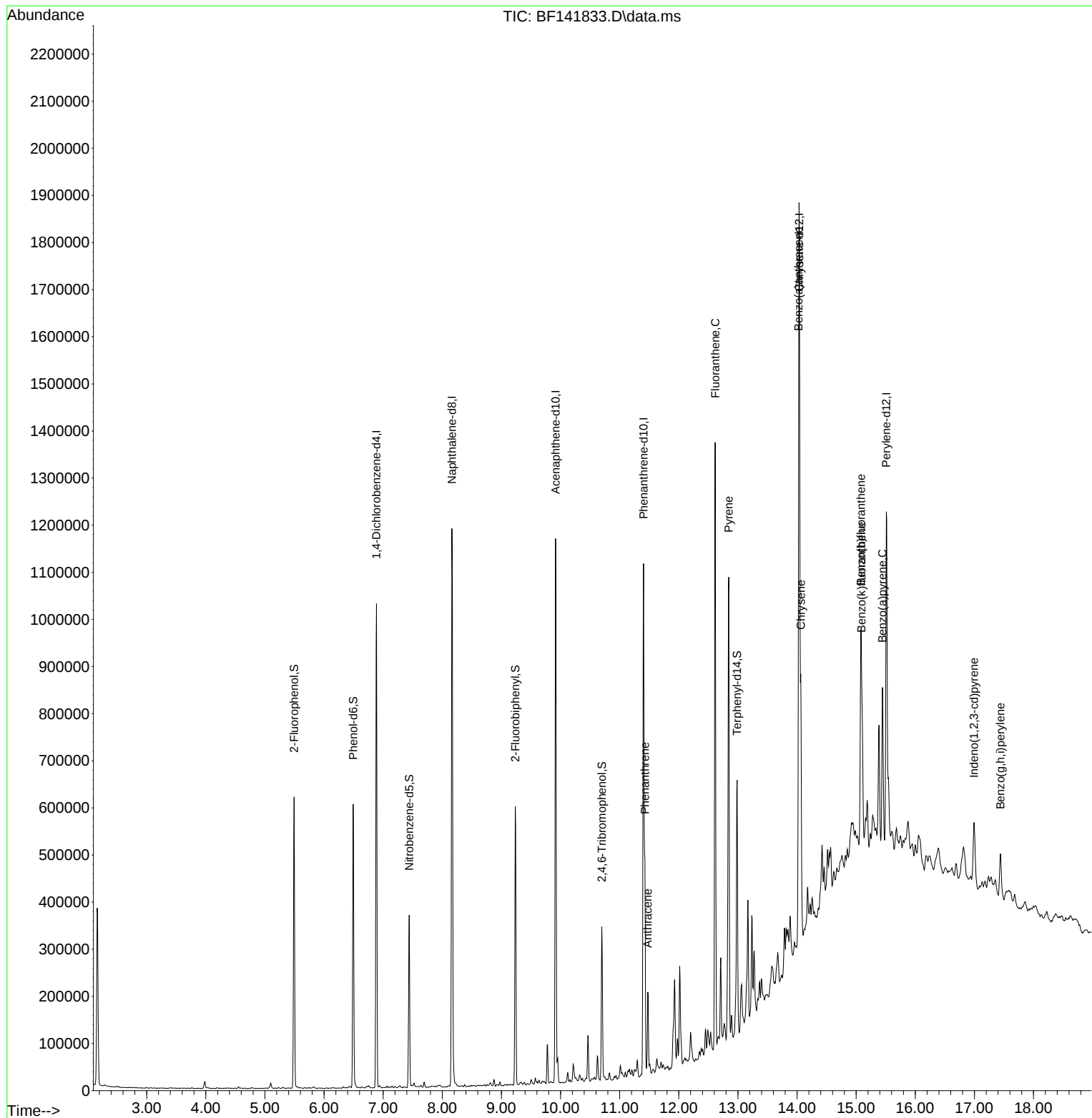
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Data File : BF141833.D
Acq On : 04 Mar 2025 18:15
Operator : RC/JU
Sample : Q1480-09 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

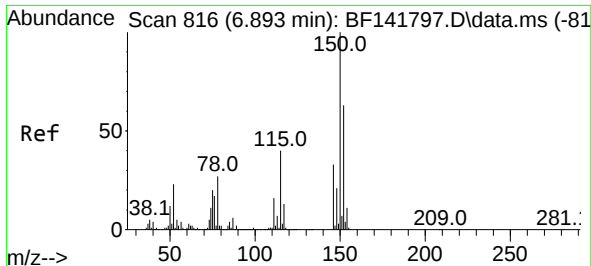
Instrument :
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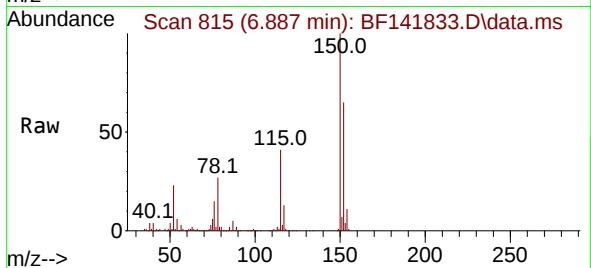
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

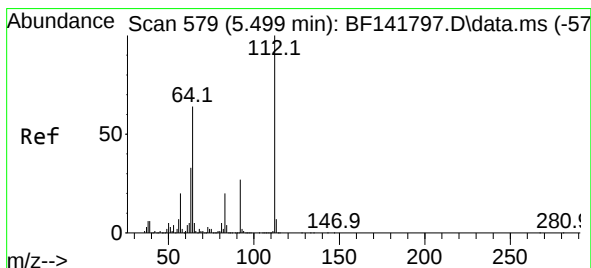
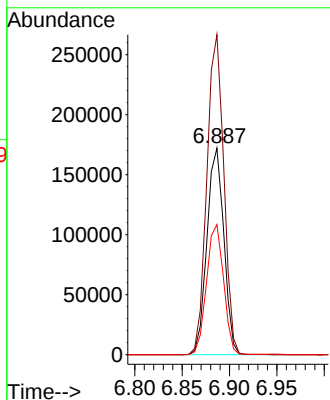
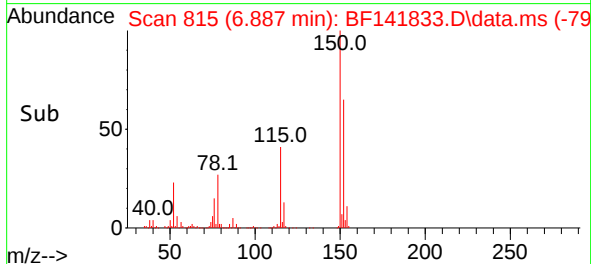
Instrument :
BNA_F
ClientSampleId :
TP-2



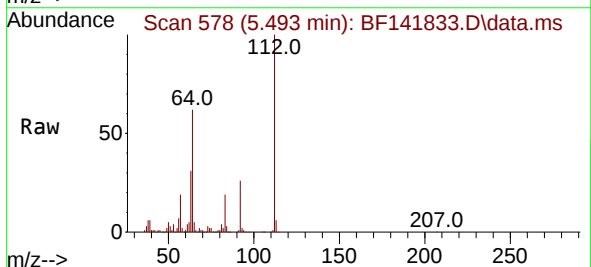
Tgt Ion:152 Resp: 213724
Ion Ratio Lower Upper
152 100
150 154.9 127.5 191.3
115 63.0 51.4 77.2

Manual Integrations
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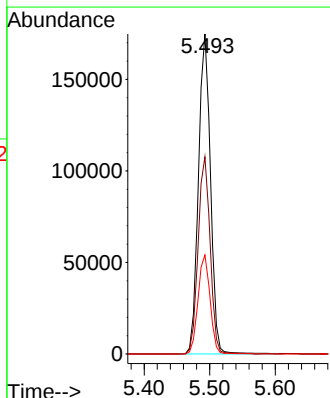
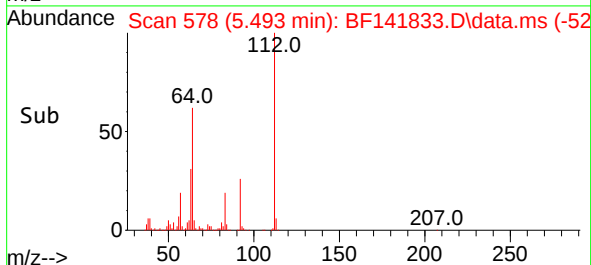
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

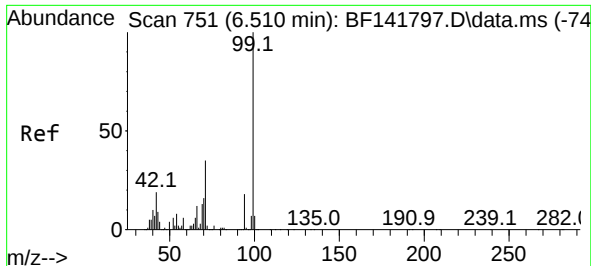


#5
2-Fluorophenol
Concen: 16.757 ng
RT: 5.493 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15



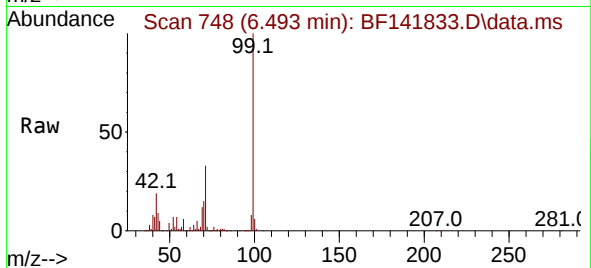
Tgt Ion:112 Resp: 224260
Ion Ratio Lower Upper
112 100
64 61.6 51.3 76.9
63 31.0 26.2 39.4





#7
Phenol-d6
Concen: 15.201 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

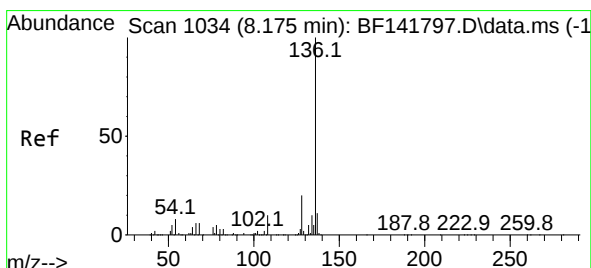
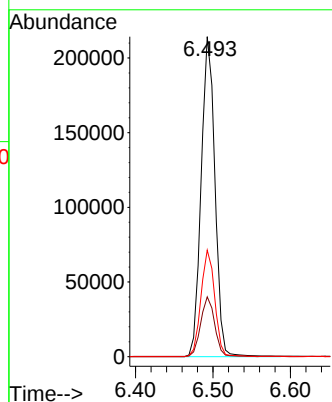
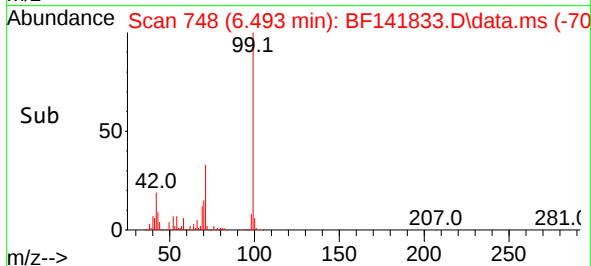
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 99 Resp: 26479
Ion Ratio Lower Upper
99 100
42 18.7 15.2 22.8
71 33.3 28.2 42.2

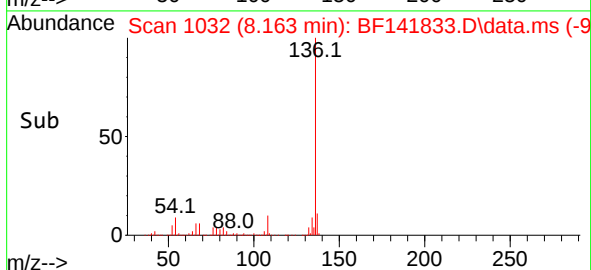
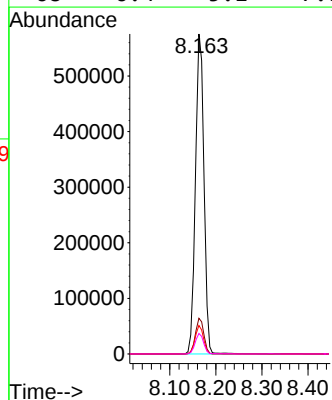
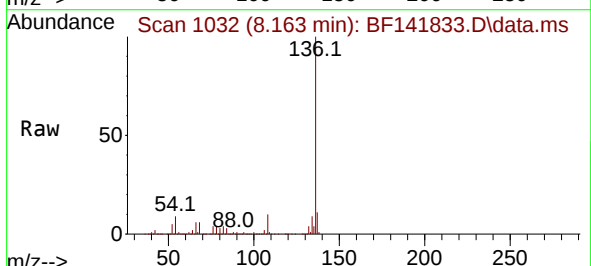
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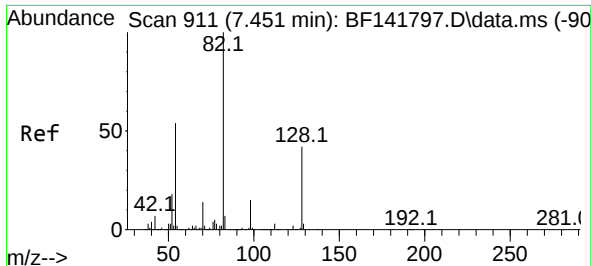
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

Tgt Ion:136 Resp: 735458
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 8.9 6.9 10.3
68 6.4 5.1 7.7





#23

Nitrobenzene-d5

Concen: 13.400 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141833.D

Acq: 04 Mar 2025 18:15

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion: 82 Resp: 154180

Ion Ratio Lower Upper

82 100

128 42.2 33.5 50.3

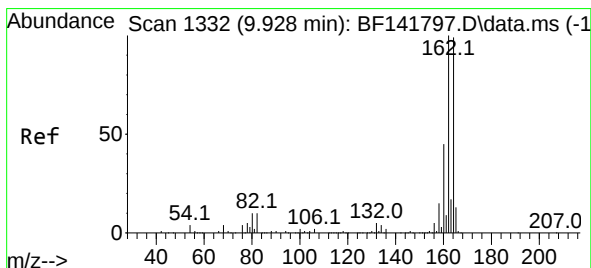
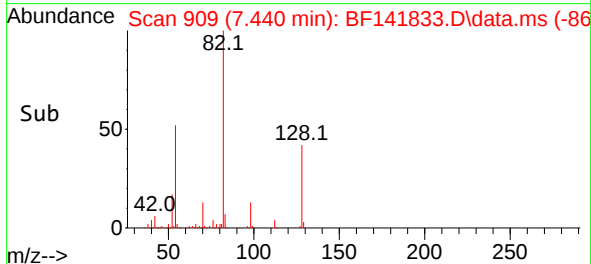
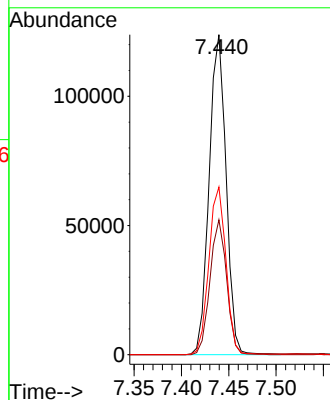
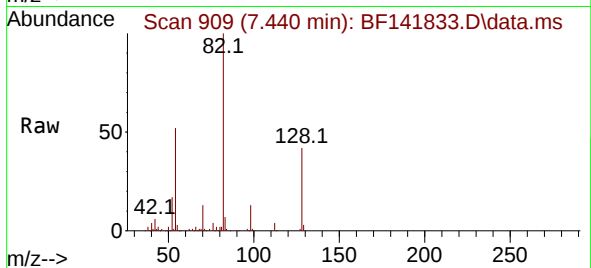
54 52.4 42.7 64.1

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141833.D

Acq: 04 Mar 2025 18:15

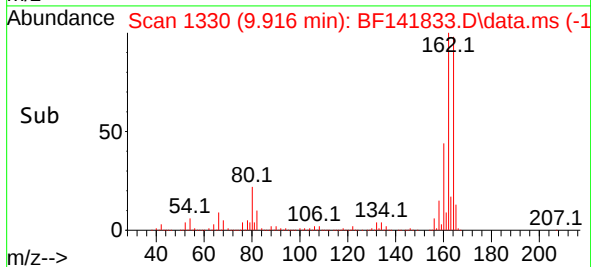
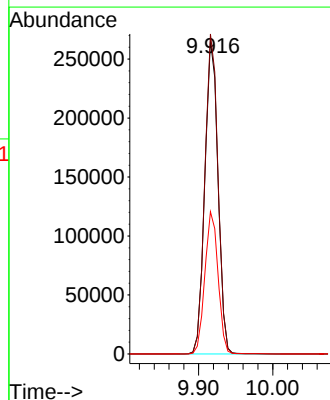
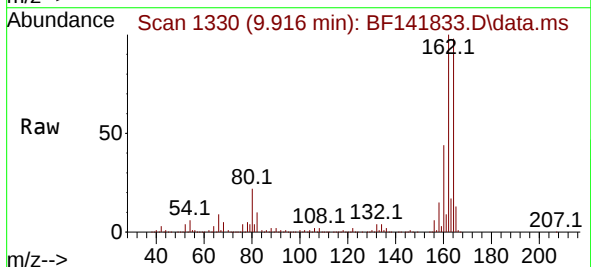
Tgt Ion:164 Resp: 328585

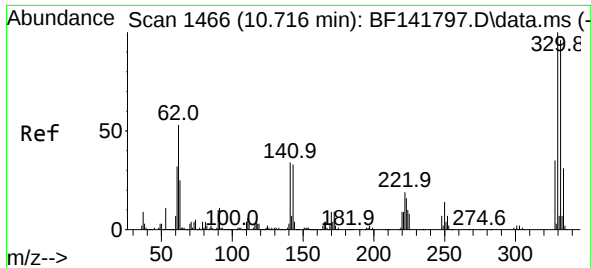
Ion Ratio Lower Upper

164 100

162 102.1 80.6 120.8

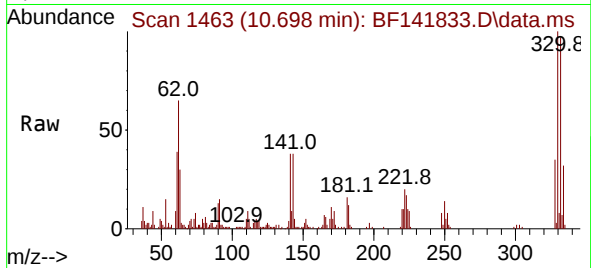
160 45.4 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 14.609 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.018 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

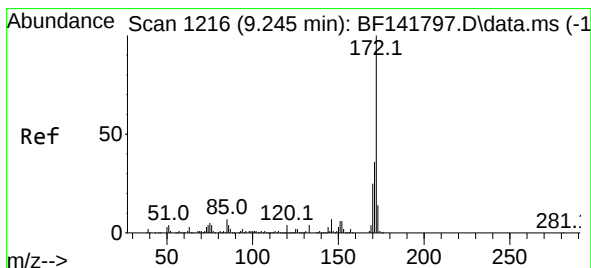
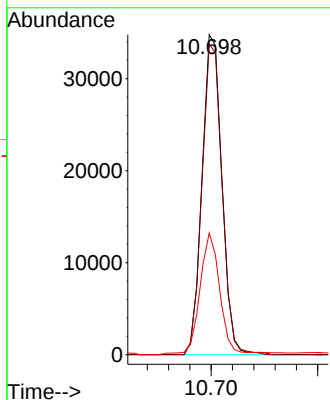
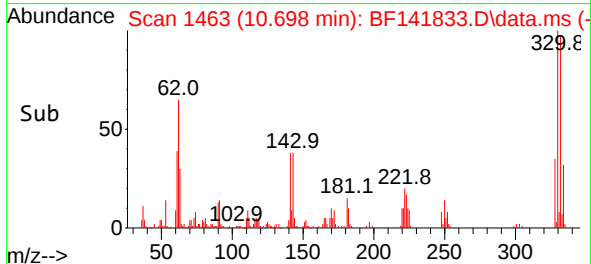
Instrument :
BNA_F
ClientSampleId :
TP-2



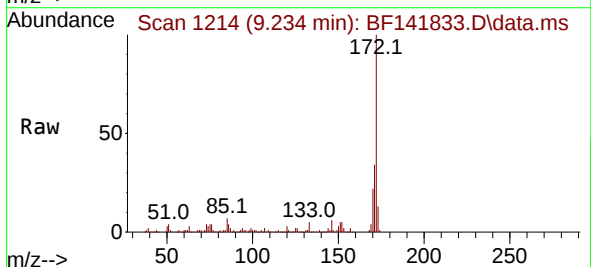
Tgt Ion: 330 Resp: 4506
Ion Ratio Lower Upper
330 100
332 98.1 76.6 115.0
141 39.1 29.0 43.4

Manual Integrations
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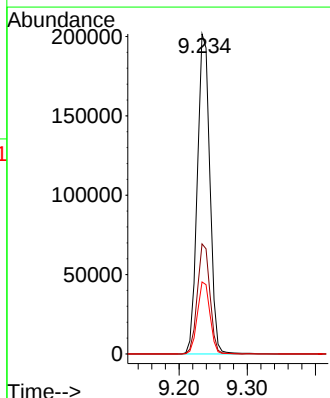
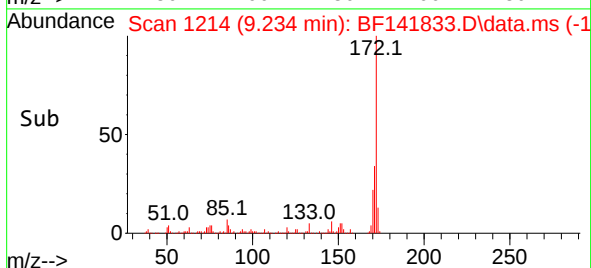
Reviewed By :Anahy Claudio 03/05/2025
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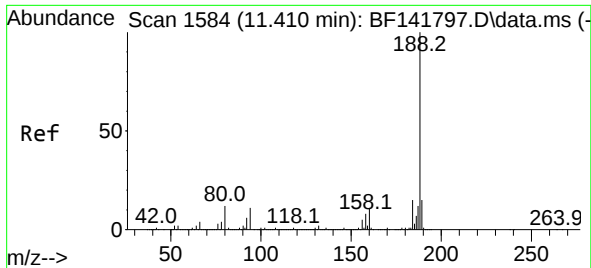


#45
2-Fluorobiphenyl
Concen: 12.566 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15



Tgt Ion: 172 Resp: 257517
Ion Ratio Lower Upper
172 100
171 34.4 29.2 43.8
170 22.5 19.7 29.5





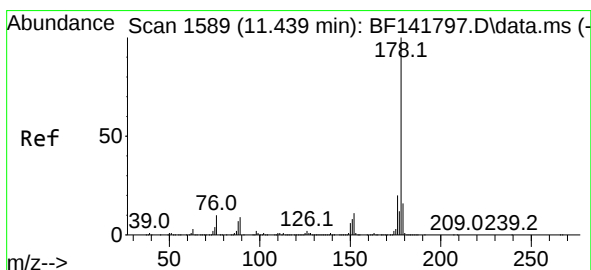
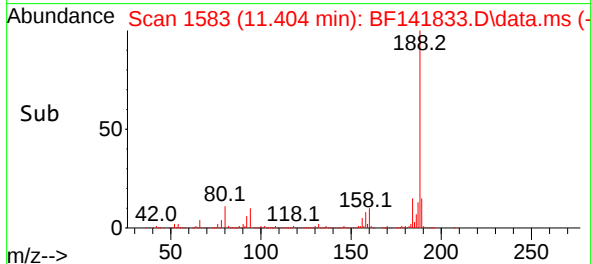
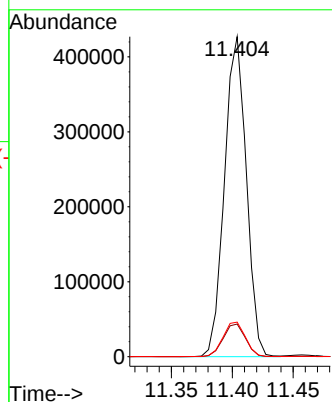
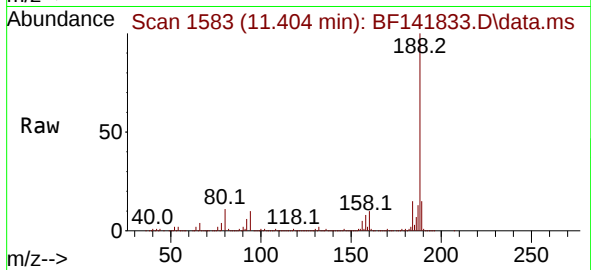
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:188 Resp: 53347
Ion Ratio Lower Upper
188 100
94 10.2 8.9 13.3
80 10.8 9.7 14.5

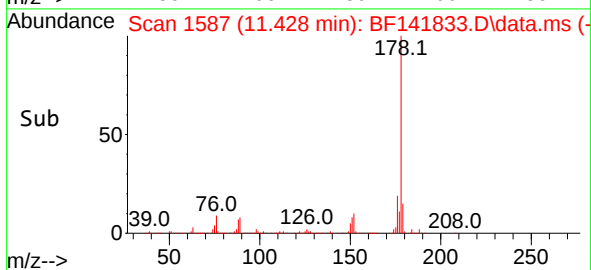
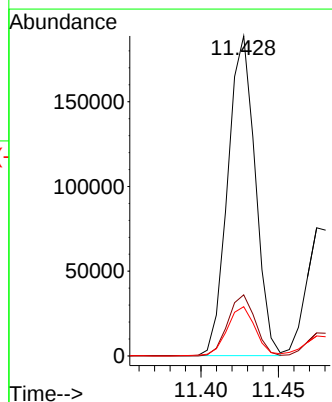
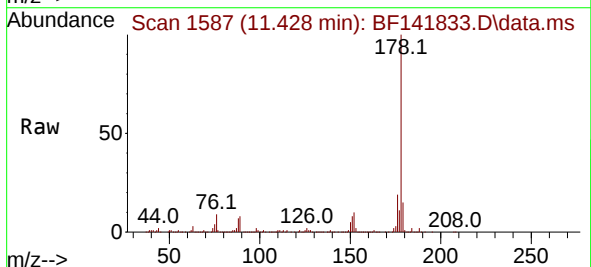
Manual Integrations
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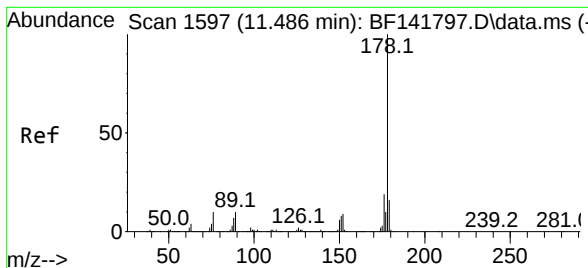
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



#71
Phenanthrene
Concen: 8.135 ng
RT: 11.428 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

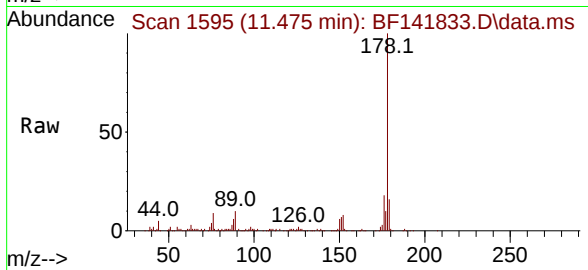
Tgt Ion:178 Resp: 232124
Ion Ratio Lower Upper
178 100
176 19.1 16.0 24.0
179 15.4 12.6 19.0





#72
 Anthracene
 Concen: 3.520 ng
 RT: 11.475 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141833.D
 Acq: 04 Mar 2025 18:15

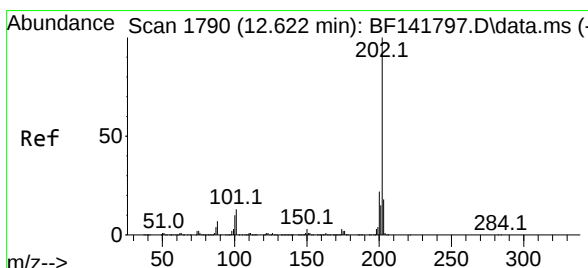
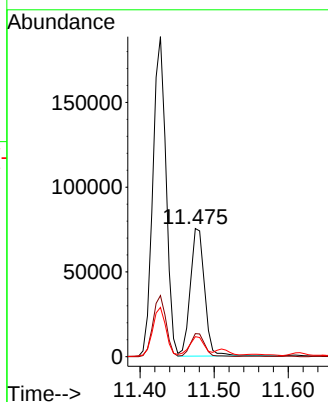
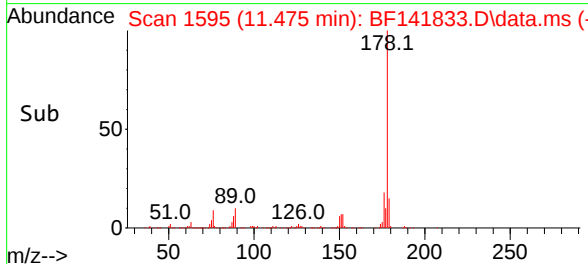
Instrument :
 BNA_F
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 TP-2



Tgt Ion:178 Resp: 10065
 Ion Ratio Lower Upper
 178 100
 176 18.0 15.4 23.0
 179 15.6 12.8 19.2

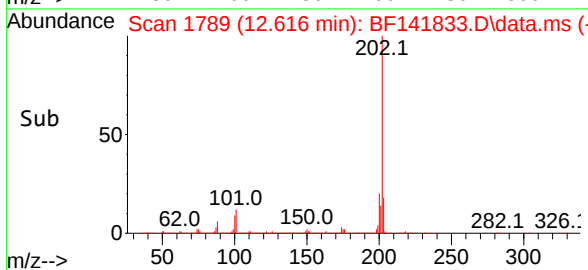
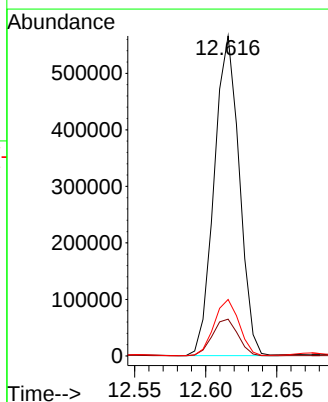
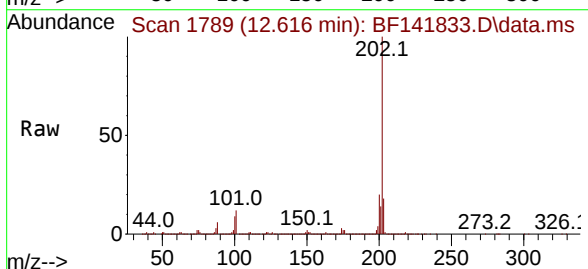
Manual Integrations
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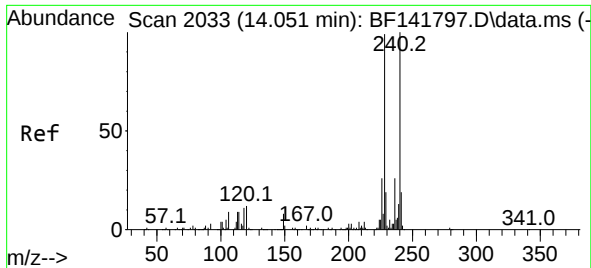
Reviewed By :Anahy Claudio 03/05/2025
 Supervised By :Jagrut Upadhyay 03/05/2025



#75
 Fluoranthene
 Concen: 23.755 ng
 RT: 12.616 min Scan# 1789
 Delta R.T. -0.006 min
 Lab File: BF141833.D
 Acq: 04 Mar 2025 18:15

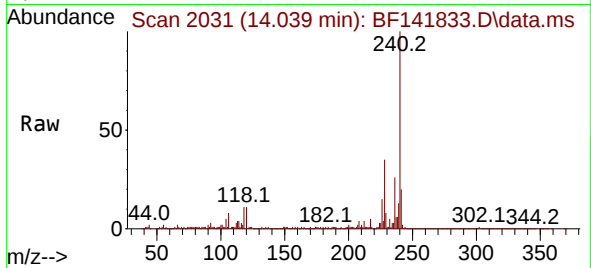
Tgt Ion:202 Resp: 694594
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 32.8
 203 17.7 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

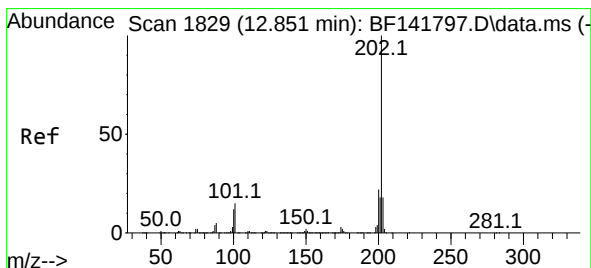
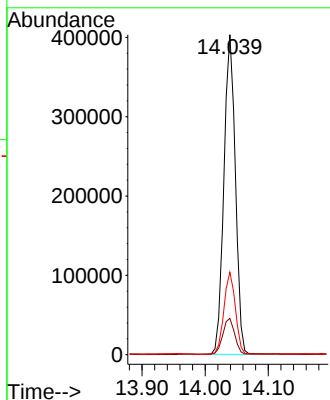
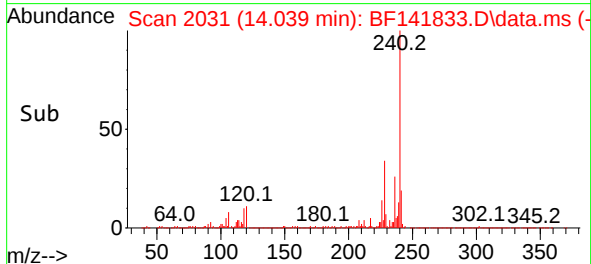
Instrument :
BNA_F
ClientSampleId :
TP-2



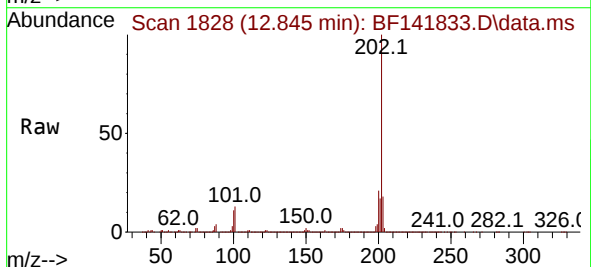
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Ion Ratio Lower Upper
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120 11.4 9.7 14.5
236 25.8 21.0 31.4

Manual Integrations
APPROVED

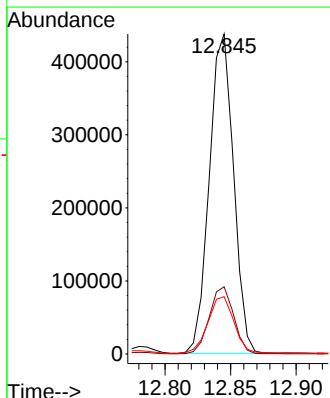
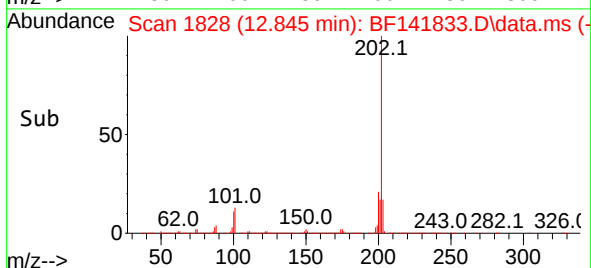
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

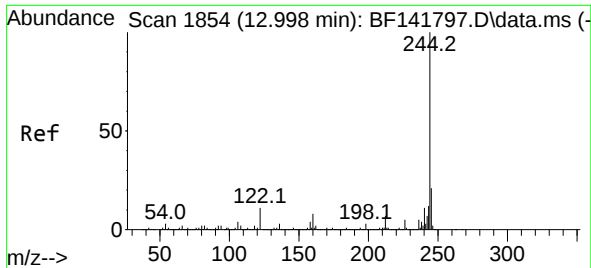


#78
Pyrene
Concen: 12.779 ng
RT: 12.845 min Scan# 1828
Delta R.T. -0.006 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15



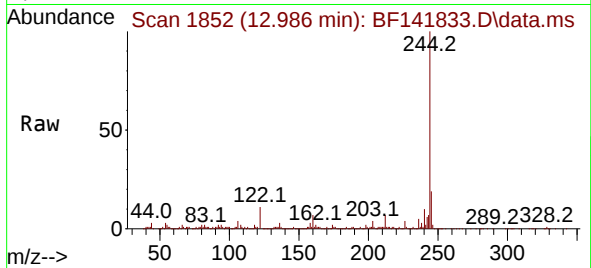
Tgt Ion:202 Resp: 561870
Ion Ratio Lower Upper
202 100
200 21.0 17.4 26.0
203 17.9 14.6 22.0





#79
 Terphenyl-d14
 Concen: 8.191 ng
 RT: 12.986 min Scan# 1852
 Delta R.T. -0.012 min
 Lab File: BF141833.D
 Acq: 04 Mar 2025 18:15

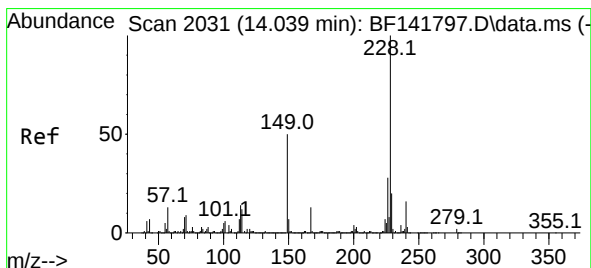
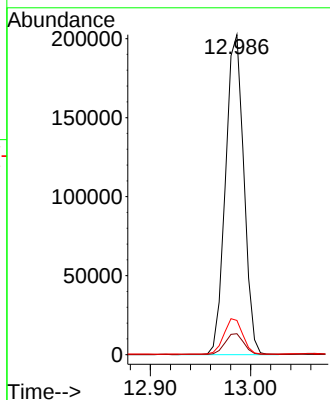
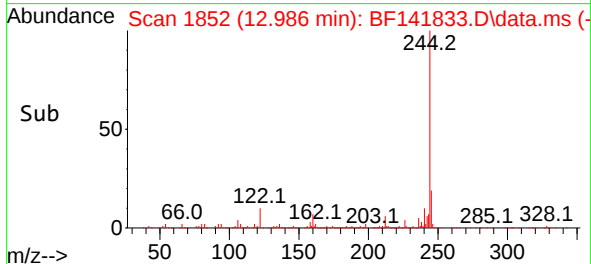
Instrument :
 BNA_F
 ClientSampleId :
 TP-2



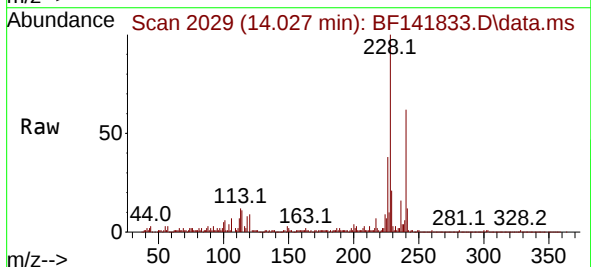
Tgt Ion:244 Resp: 257063
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 10.7 9.0 13.6

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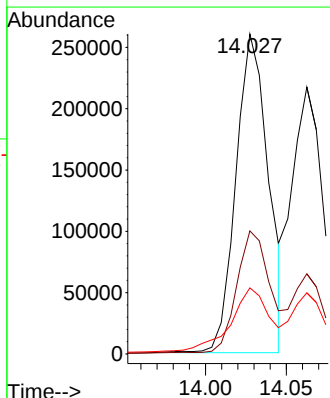
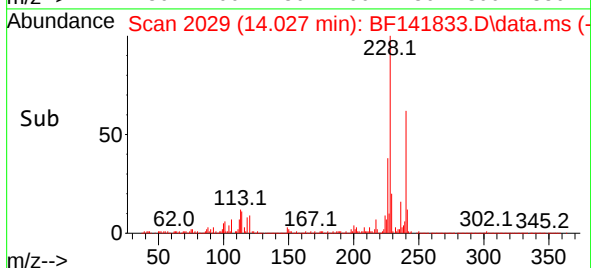
Reviewed By :Anahy Claudio 03/05/2025
 Supervised By :Jagrut Upadhyay 03/05/2025

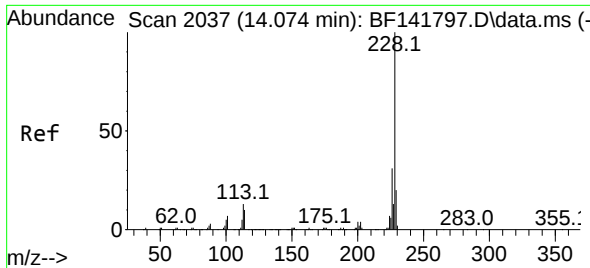


#81
 Benzo(a)anthracene
 Concen: 10.820 ng m
 RT: 14.027 min Scan# 2029
 Delta R.T. -0.012 min
 Lab File: BF141833.D
 Acq: 04 Mar 2025 18:15



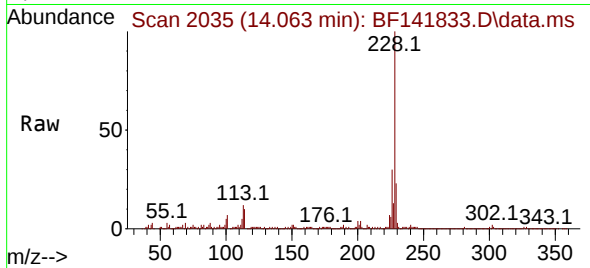
Tgt Ion:228 Resp: 362879
 Ion Ratio Lower Upper
 228 100
 226 38.4 22.1 33.1#
 229 20.6 16.1 24.1





#83
Chrysene
Concen: 9.274 ng
RT: 14.063 min Scan# 2037
Delta R.T. -0.012 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

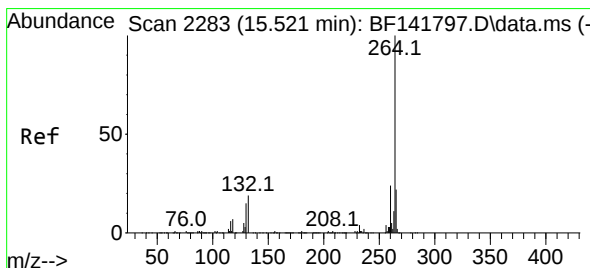
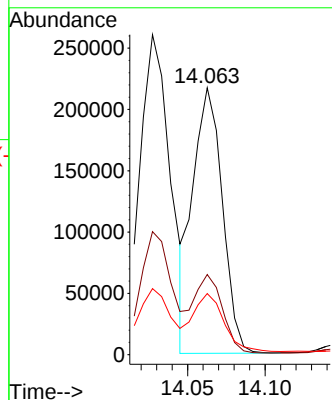
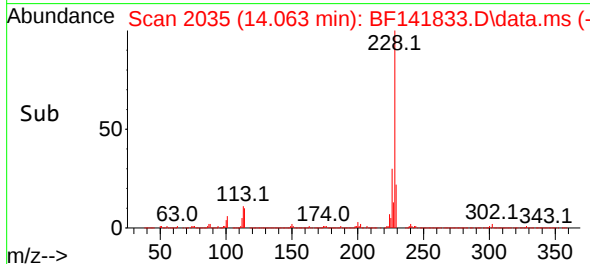
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:228 Resp: 286718
Ion Ratio Lower Upper
228 100
226 30.0 24.6 37.0
229 22.9 16.1 24.1

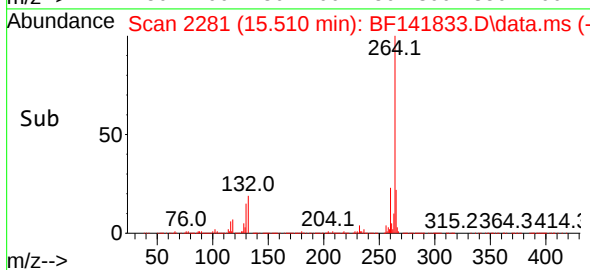
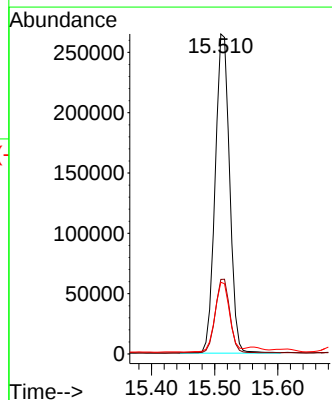
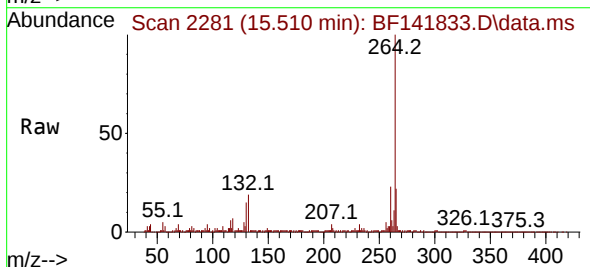
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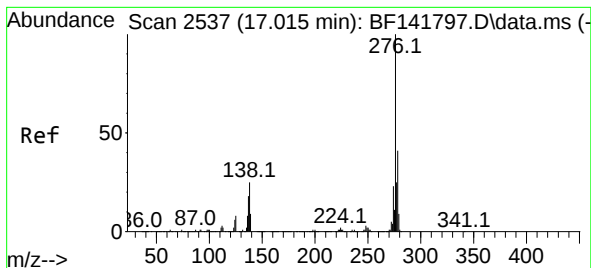
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. -0.012 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

Tgt Ion:264 Resp: 420246
Ion Ratio Lower Upper
264 100
260 23.3 18.9 28.3
265 22.4 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.467 ng

RT: 16.992 min Scan# 21

Delta R.T. -0.024 min

Lab File: BF141833.D

Acq: 04 Mar 2025 18:15

Instrument :

BNA_F

ClientSampleId :

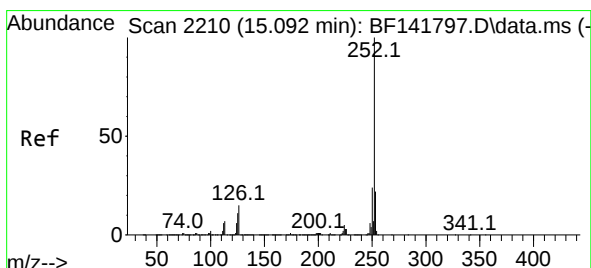
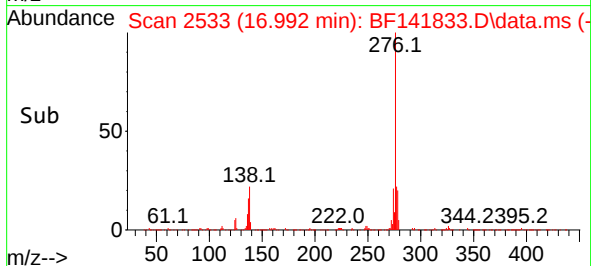
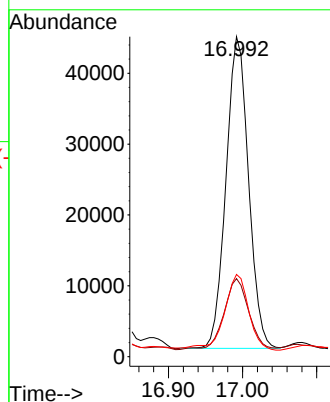
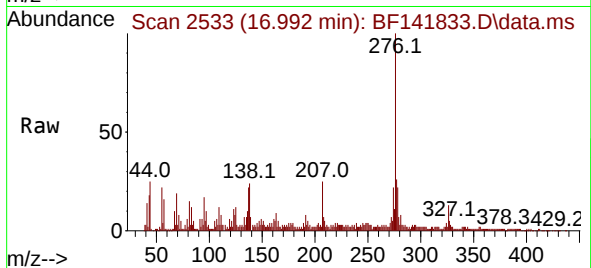
TP-2

Tgt Ion:276 Resp: 9277
 Ion Ratio Lower Upper
 276 100
 138 25.0 22.5 33.7
 277 26.3 20.3 30.5

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Reviewed By :Anahy Claudio 03/05/2025
 Supervised By :Jagrut Upadhyay 03/05/2025



#88

Benzo(b)fluoranthene

Concen: 9.542 ng m

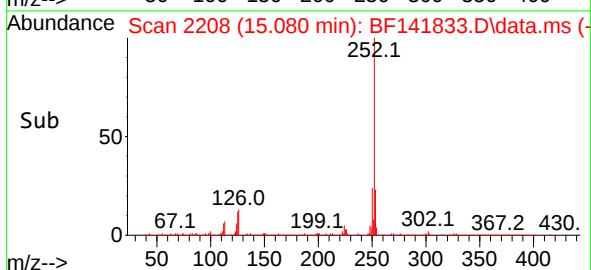
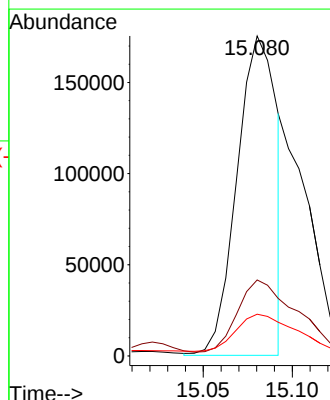
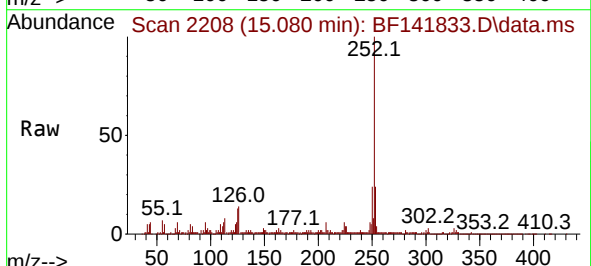
RT: 15.080 min Scan# 2208

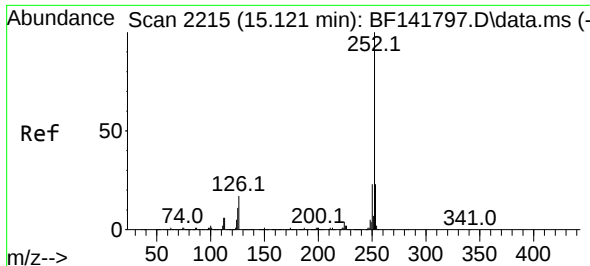
Delta R.T. -0.012 min

Lab File: BF141833.D

Acq: 04 Mar 2025 18:15

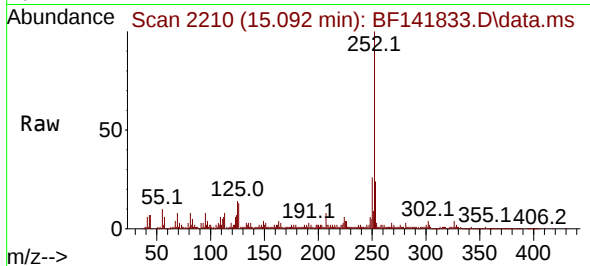
Tgt Ion:252 Resp: 273145
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.7 26.5
 125 13.1 8.6 13.0#





#89
Benzo(k)fluoranthene
Concen: 5.522 ng m
RT: 15.092 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15

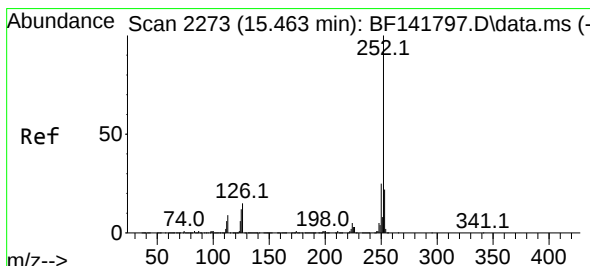
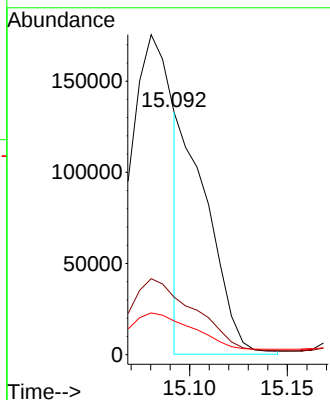
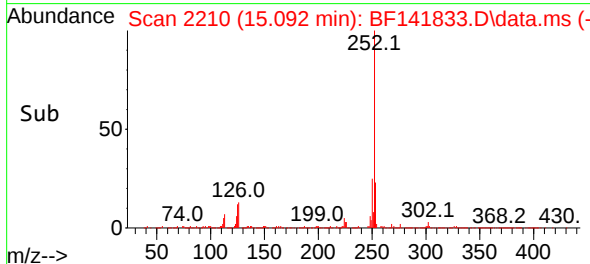
Instrument :
BNA_F
ClientSampleId :
TP-2



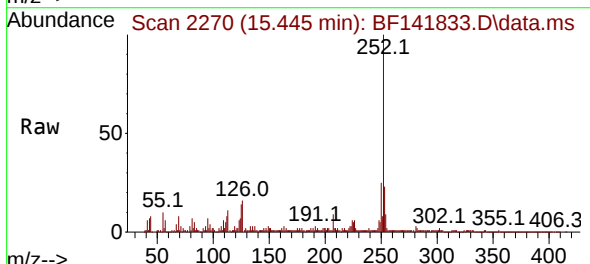
Tgt Ion:252 Resp: 134354
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.8
125 13.9 8.8 13.2

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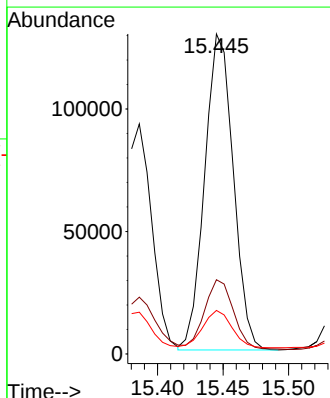
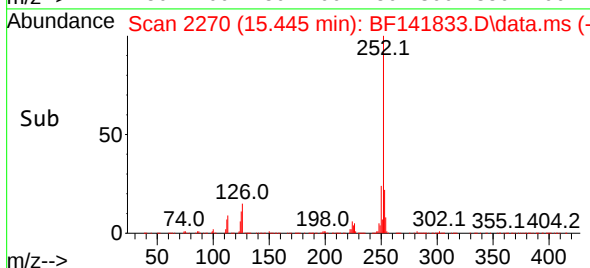
Reviewed By :Anahy Claudio 03/05/2025
Supervised By :Jagrut Upadhyay 03/05/2025

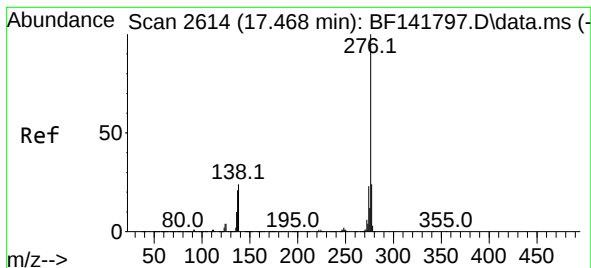


#90
Benzo(a)pyrene
Concen: 8.540 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.018 min
Lab File: BF141833.D
Acq: 04 Mar 2025 18:15



Tgt Ion:252 Resp: 196066
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 13.6 9.4 14.2





#92

Benzo(g,h,i)perylene

Concen: 3.889 ng

RT: 17.439 min Scan# 20

Delta R.T. -0.029 min

Lab File: BF141833.D

Acq: 04 Mar 2025 18:15

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:276 Resp: 8701

Ion Ratio Lower Upper

276 100

277 25.1 19.4 29.0

138 24.7 19.3 28.9

Manual Integrations

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Reviewed By :Anahy Claudio 03/05/2025

Supervised By :Jagrut Upadhyay 03/05/2025

