

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141851.D
 Acq On : 05 Mar 2025 18:50
 Operator : RC/JU
 Sample : Q1489-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Mar 06 00:13:50 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

Manual Integrations APPROVED

Reviewed By :Anahy Claudio 03/06/2025
 Supervised By :Jagrut Upadhyay 03/06/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	175268	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	655626	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	327697	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	499267	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	419266	20.000	ng	-0.02
86) Perylene-d12	15.504	264	414578	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	828611	75.500	ng	0.00
7) Phenol-d6	6.498	99	1053896	73.777	ng	-0.01
23) Nitrobenzene-d5	7.440	82	611752	59.643	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	234249	76.142	ng	-0.02
45) 2-Fluorobiphenyl	9.234	172	1001528	49.006	ng	-0.01
79) Terphenyl-d14	12.980	244	876465	33.822	ng	-0.02
Target Compounds						Qvalue
58) Fluorene	10.463	166	41254	2.032	ng	97
71) Phenanthrene	11.422	178	186082	6.968	ng	97
72) Anthracene	11.475	178	63128	2.359	ng	99
75) Fluoranthene	12.610	202	267274	9.767	ng	97
78) Pyrene	12.839	202	225497	6.211	ng	99
81) Benzo(a)anthracene	14.027	228	150946m	5.451	ng	
83) Chrysene	14.063	228	106945	4.189	ng	98
88) Benzo(b)fluoranthene	15.074	252	129755m	4.595	ng	
89) Benzo(k)fluoranthene	15.086	252	70357m	2.931	ng	
90) Benzo(a)pyrene	15.445	252	104622	4.619	ng	99

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

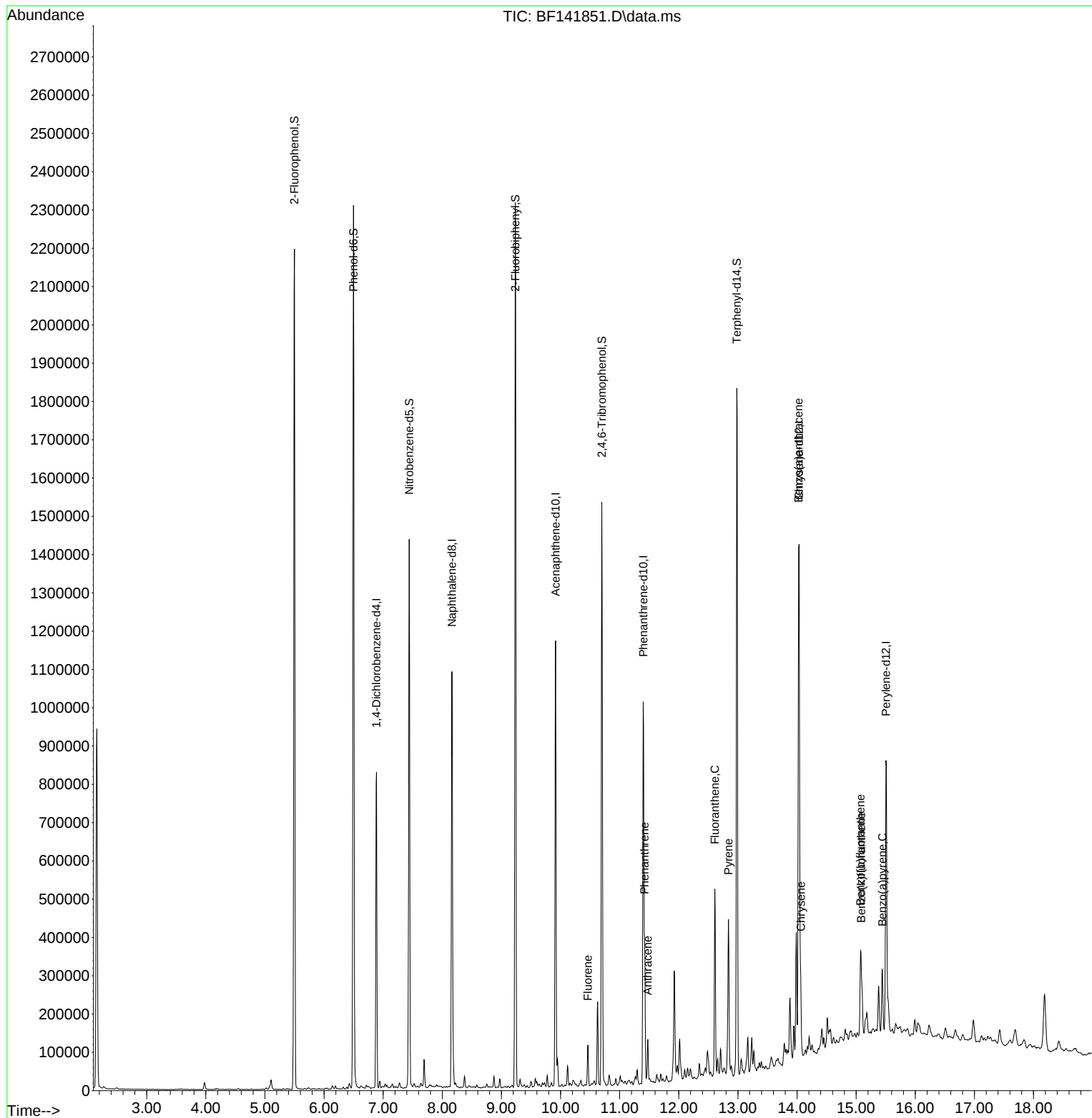
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
Data File : BF141851.D
Acq On : 05 Mar 2025 18:50
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ALS Vial : 18 Sample Multiplier: 1

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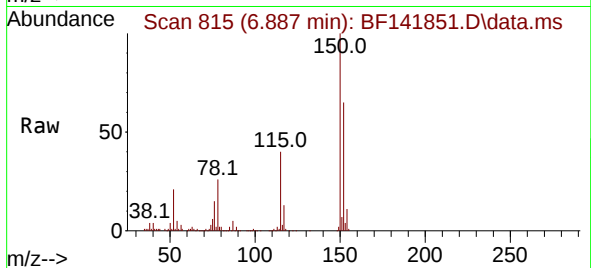
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

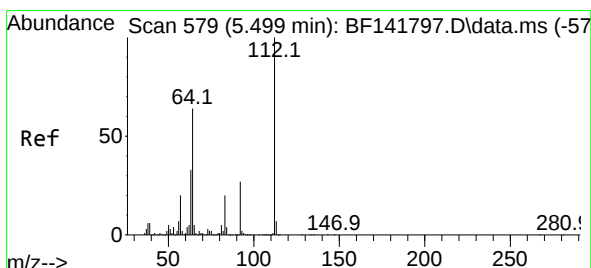
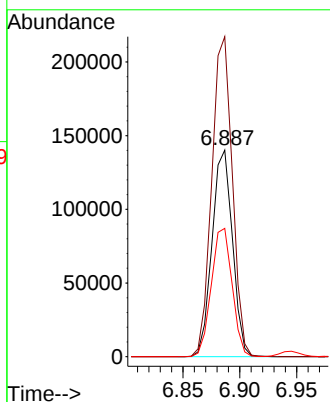
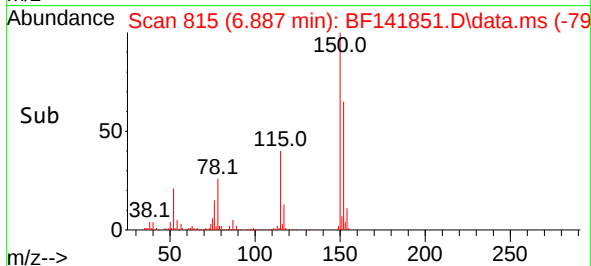
Instrument :
BNA_F
ClientSampleId :
TP-1



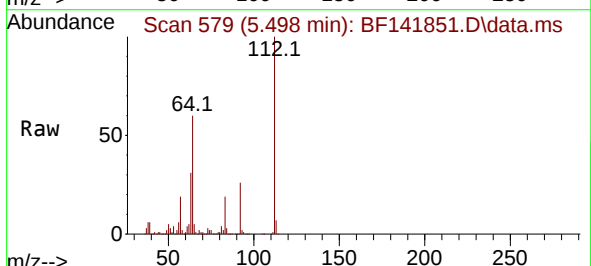
Tgt Ion:152 Resp: 175268
Ion Ratio Lower Upper
152 100
150 154.9 127.5 191.3
115 62.1 51.4 77.2

Manual Integrations
APPROVED

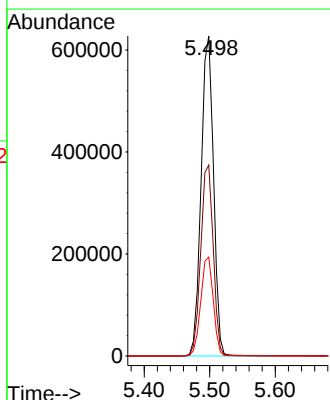
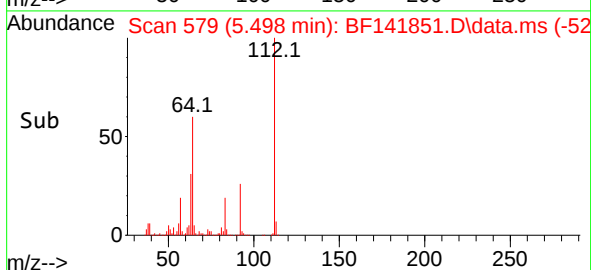
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

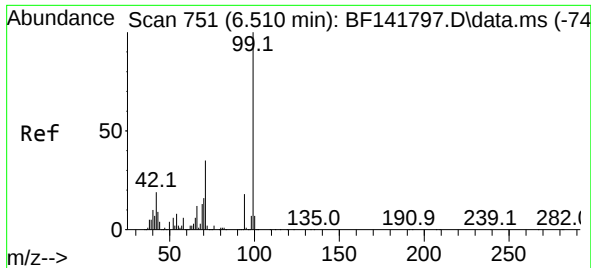


#5
2-Fluorophenol
Concen: 75.500 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50



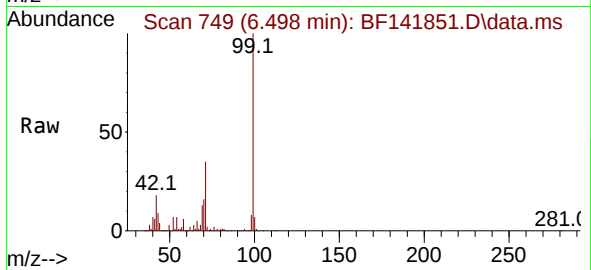
Tgt Ion:112 Resp: 828611
Ion Ratio Lower Upper
112 100
64 59.7 51.3 76.9
63 30.9 26.2 39.4





#7
Phenol-d6
Concen: 73.777 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

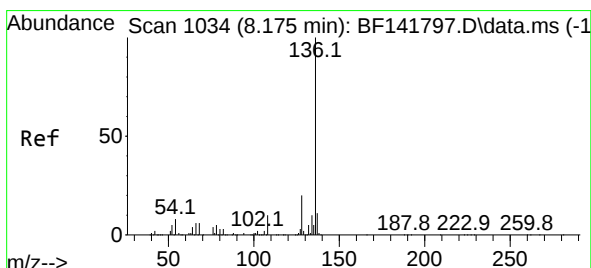
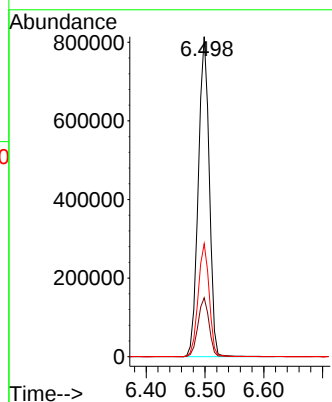
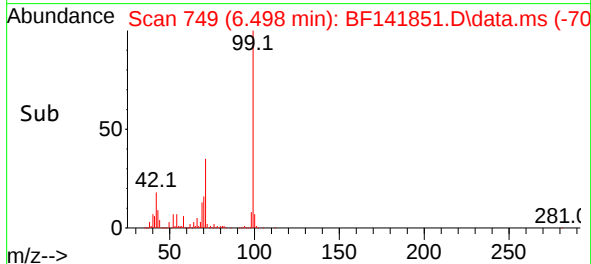
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion: 99 Resp: 1053890
Ion Ratio Lower Upper
99 100
42 18.4 15.2 22.8
71 35.3 28.2 42.2

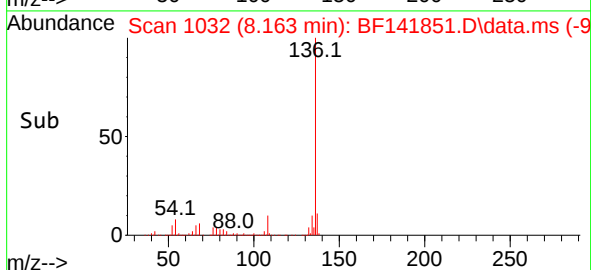
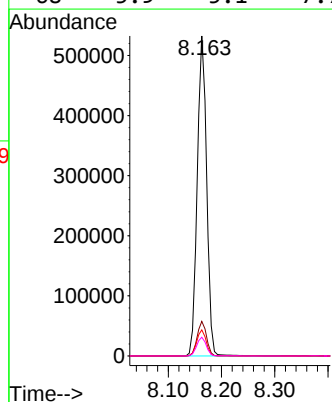
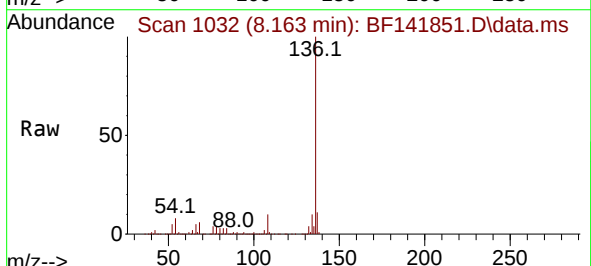
Manual Integrations
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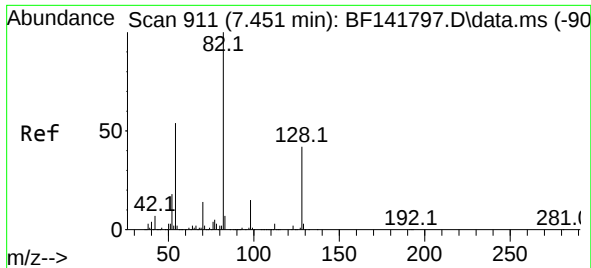
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:136 Resp: 655626
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.2 6.9 10.3
68 5.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 59.643 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 611752

Ion Ratio Lower Upper

82 100

128 44.1 33.5 50.3

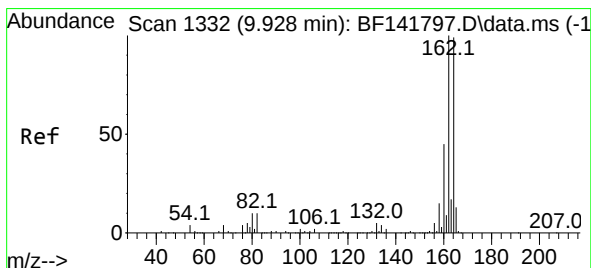
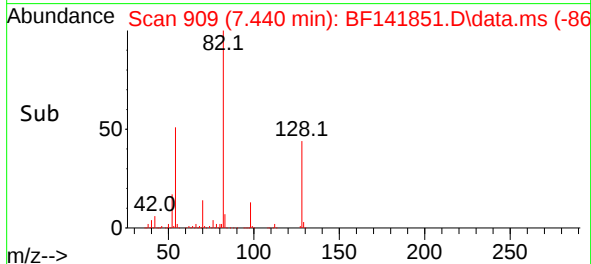
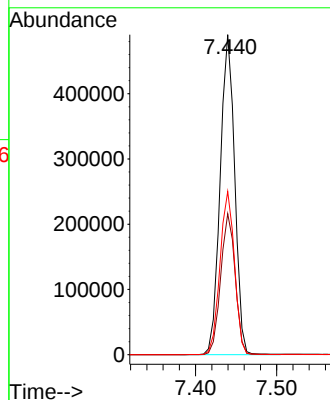
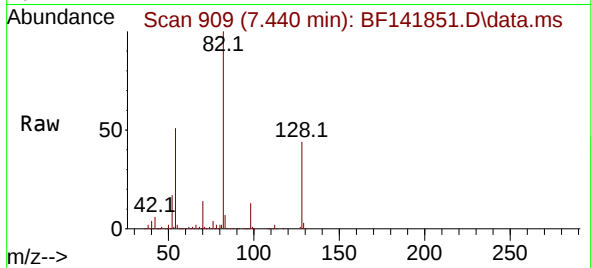
54 51.0 42.7 64.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/06/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.916 min Scan# 1330

Delta R.T. -0.012 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

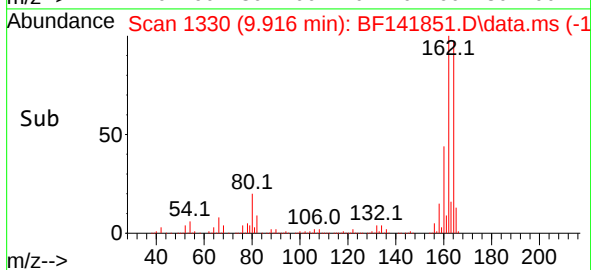
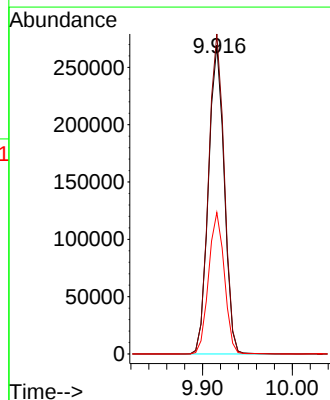
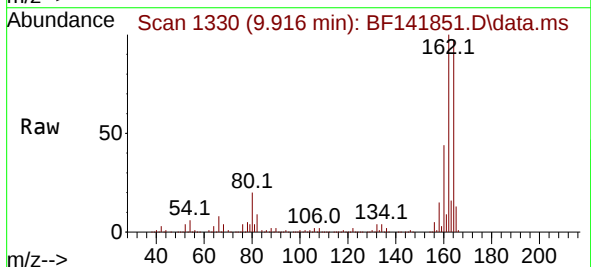
Tgt Ion:164 Resp: 327697

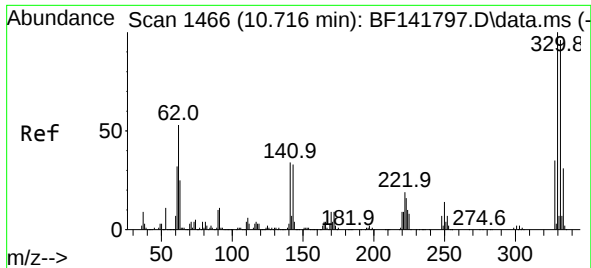
Ion Ratio Lower Upper

164 100

162 103.6 80.6 120.8

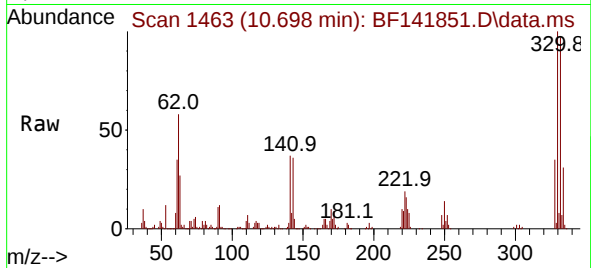
160 45.8 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 76.142 ng
RT: 10.698 min Scan# 1463
Delta R.T. -0.018 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

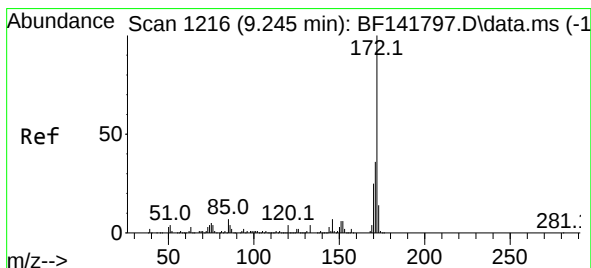
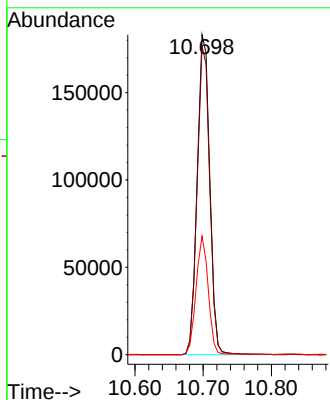
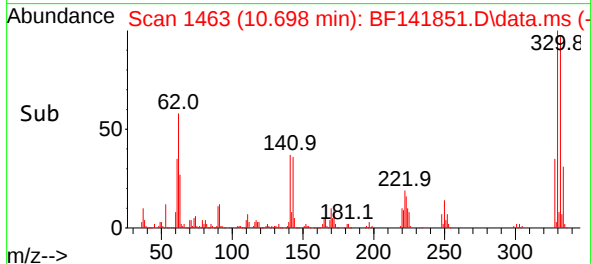
Instrument :
BNA_F
ClientSampleId :
TP-1



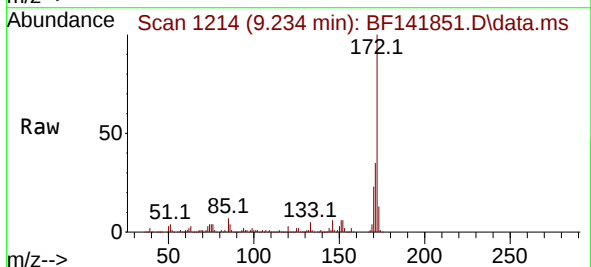
Tgt Ion: 330 Resp: 234249
Ion Ratio Lower Upper
330 100
332 96.3 76.6 115.0
141 36.0 29.0 43.4

Manual Integrations
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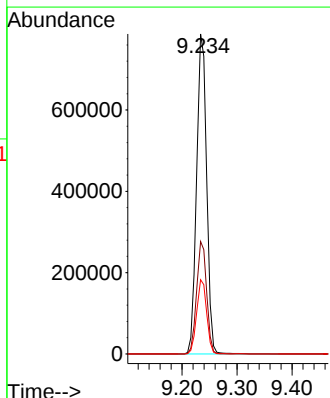
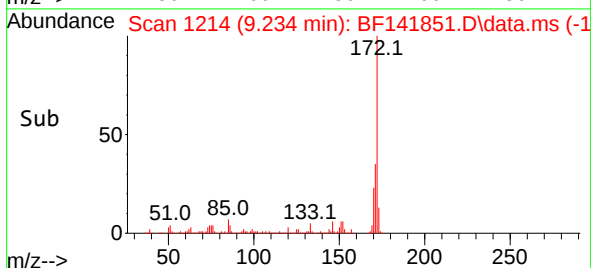
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

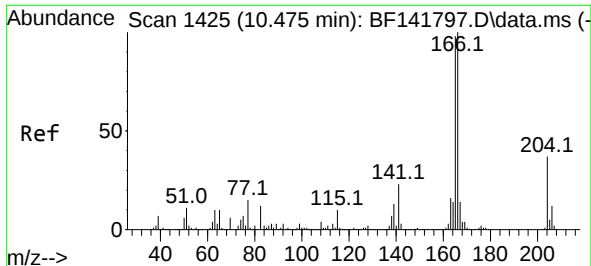


#45
2-Fluorobiphenyl
Concen: 49.006 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50



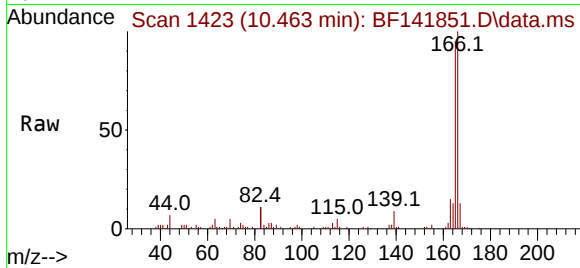
Tgt Ion: 172 Resp: 1001528
Ion Ratio Lower Upper
172 100
171 35.2 29.2 43.8
170 23.2 19.7 29.5





#58
Fluorene
Concen: 2.032 ng
RT: 10.463 min Scan# 1425
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

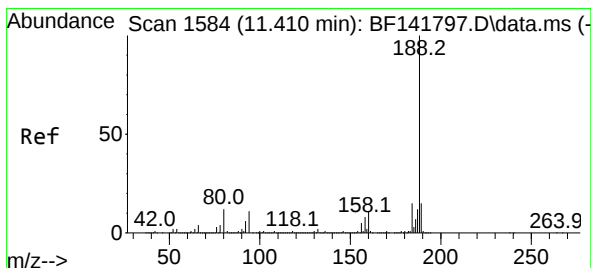
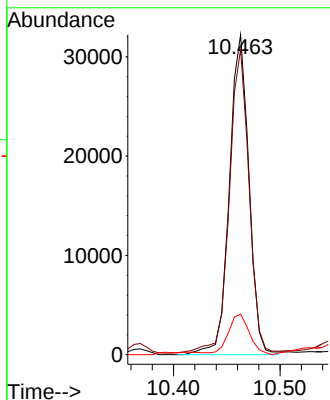
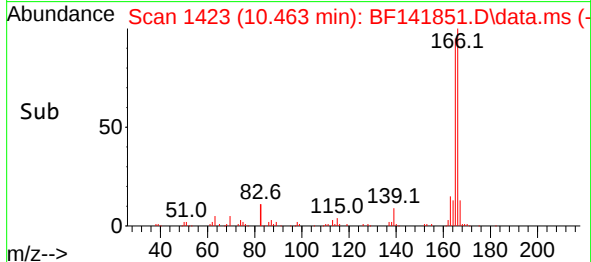
Instrument :
BNA_F
ClientSampleId :
TP-1



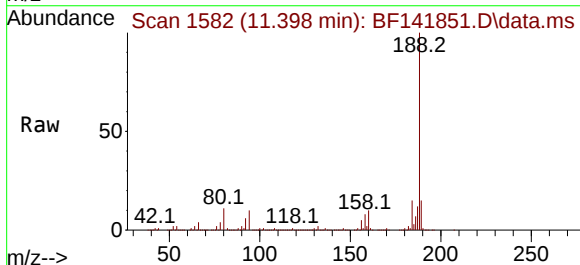
Tgt Ion:166 Resp: 41254
Ion Ratio Lower Upper
166 100
165 95.5 78.6 117.8
167 12.7 11.0 16.4

Manual Integrations
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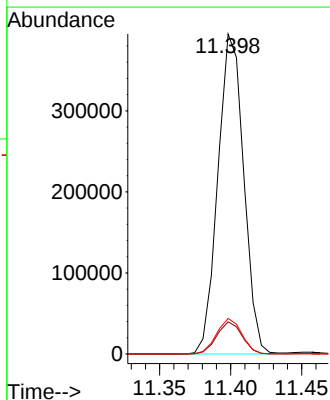
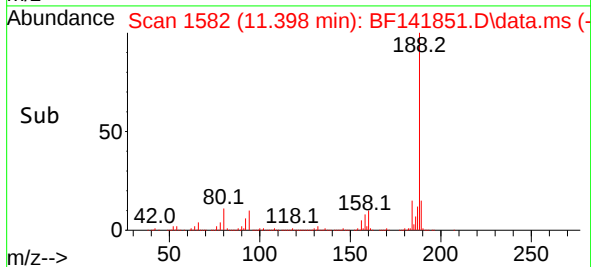
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

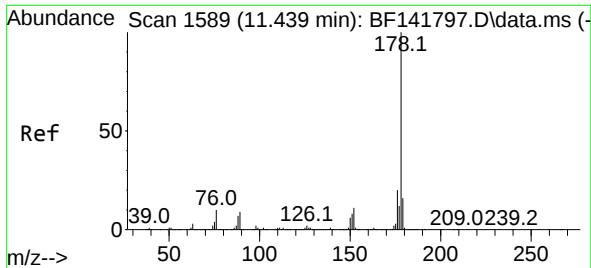


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50



Tgt Ion:188 Resp: 499267
Ion Ratio Lower Upper
188 100
94 10.0 8.9 13.3
80 11.1 9.7 14.5





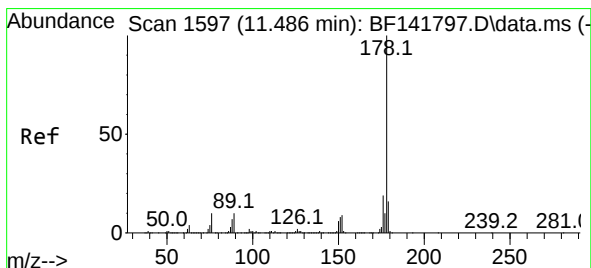
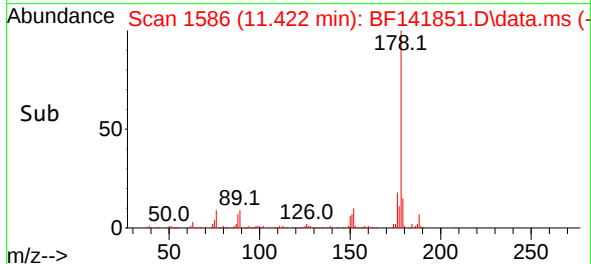
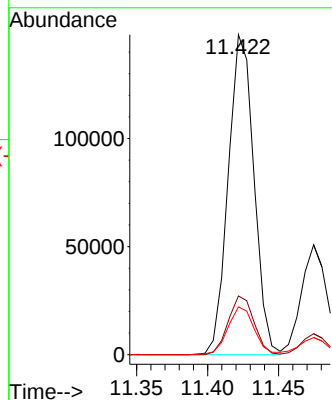
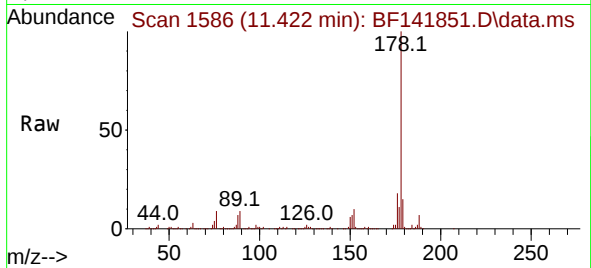
#71
Phenanthrene
Concen: 6.968 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:178 Resp: 18608
Ion Ratio Lower Upper
178 100
176 18.4 16.0 24.0
179 15.0 12.6 19.0

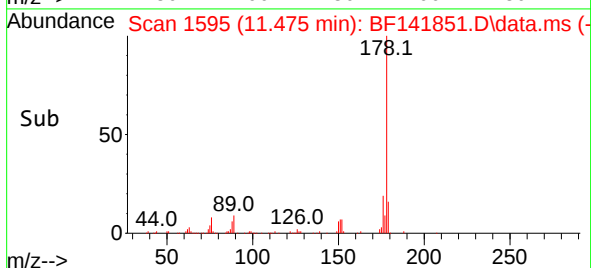
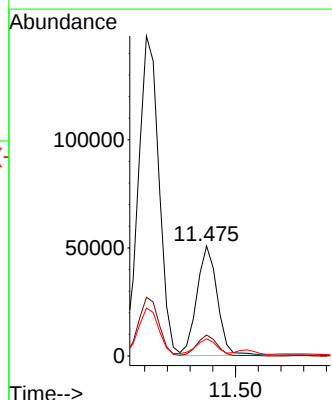
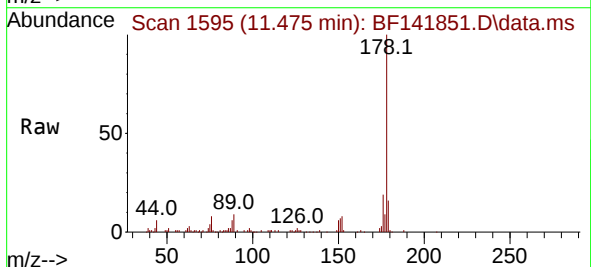
Manual Integrations
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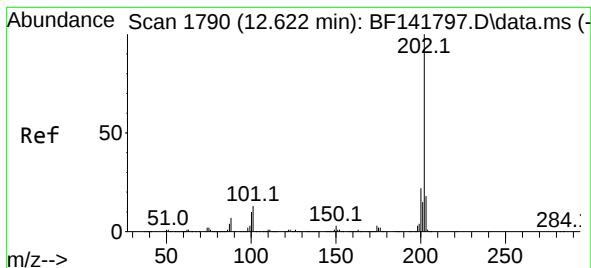
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#72
Anthracene
Concen: 2.359 ng
RT: 11.475 min Scan# 1595
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

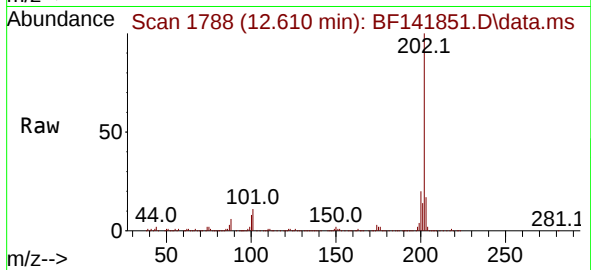
Tgt Ion:178 Resp: 63128
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.6 12.8 19.2





#75
Fluoranthene
Concen: 9.767 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

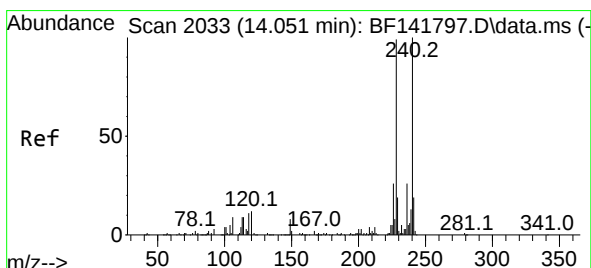
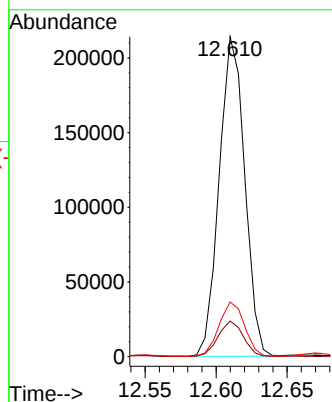
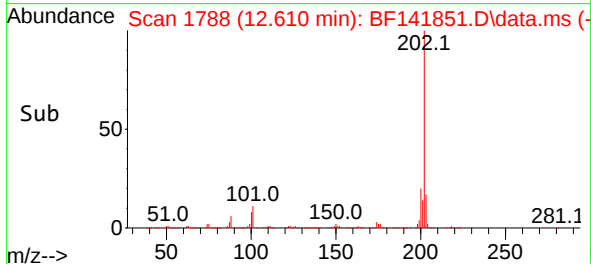
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 267274
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.8
203 17.1 0.0 38.0

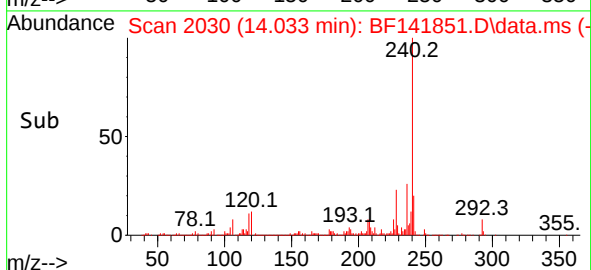
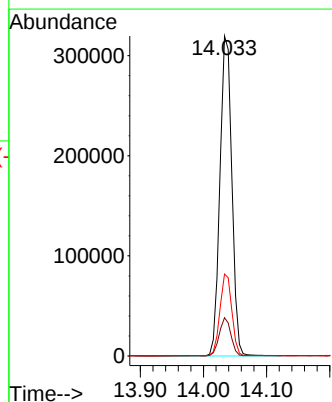
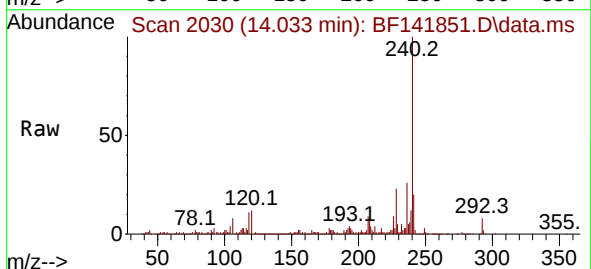
Manual Integrations
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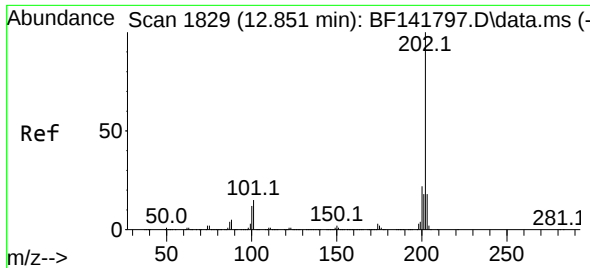
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.018 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

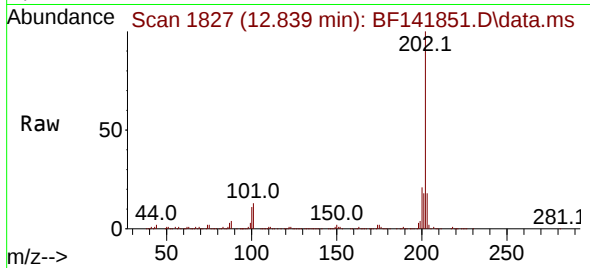
Tgt Ion:240 Resp: 419266
Ion Ratio Lower Upper
240 100
120 12.0 9.7 14.5
236 25.6 21.0 31.4





#78
Pyrene
Concen: 6.211 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

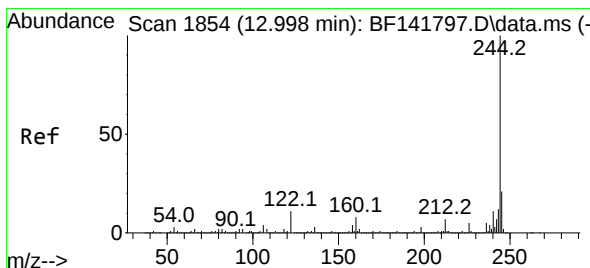
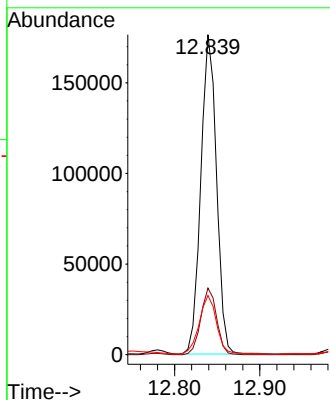
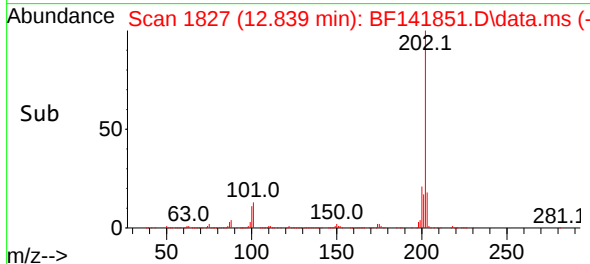
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 22549
Ion Ratio Lower Upper
202 100
200 20.8 17.4 26.0
203 18.5 14.6 22.0

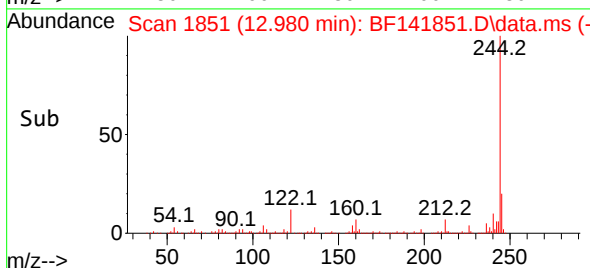
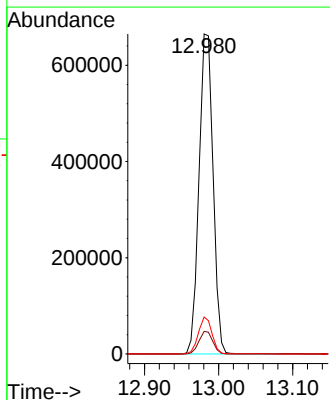
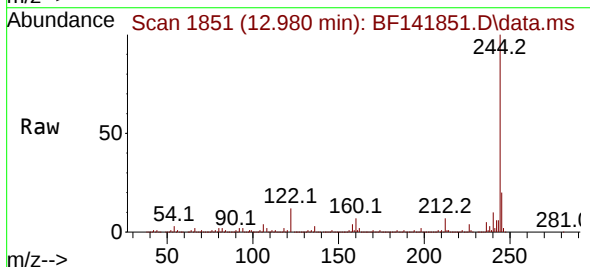
Manual Integrations
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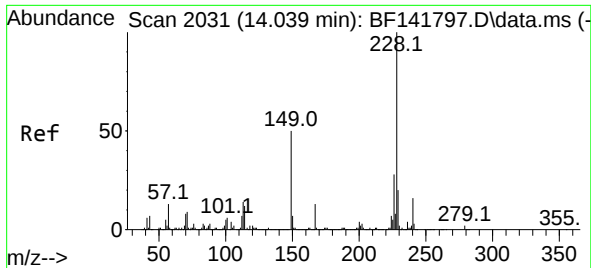
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#79
Terphenyl-d14
Concen: 33.822 ng
RT: 12.980 min Scan# 1851
Delta R.T. -0.018 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

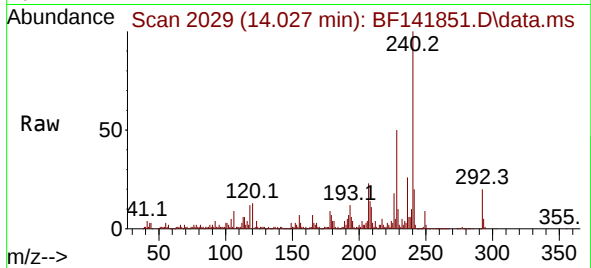
Tgt Ion:244 Resp: 876465
Ion Ratio Lower Upper
244 100
212 7.0 6.0 9.0
122 11.6 9.0 13.6





#81
Benzo(a)anthracene
Concen: 5.451 ng m
RT: 14.027 min Scan# 2029
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

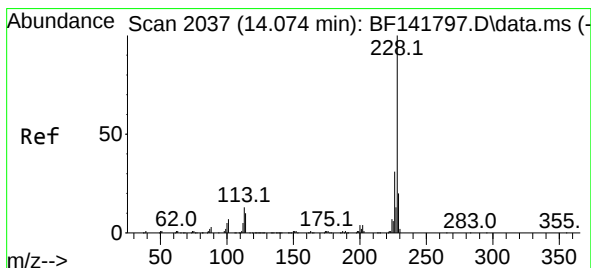
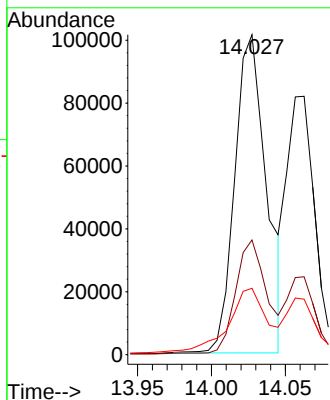
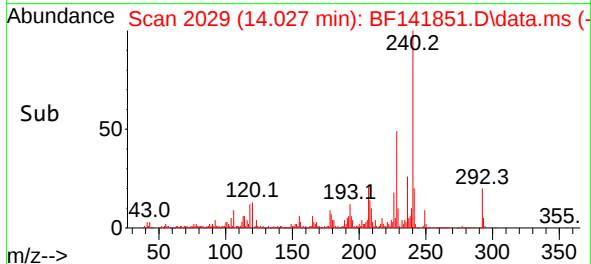
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:228 Resp: 150940
Ion Ratio Lower Upper
228 100
226 35.9 22.1 33.1
229 20.7 16.1 24.1

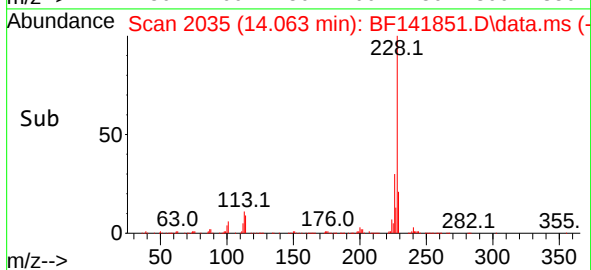
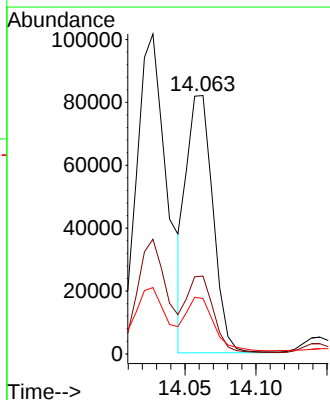
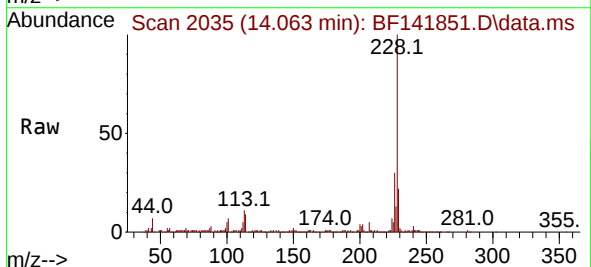
Manual Integrations
APPROVED

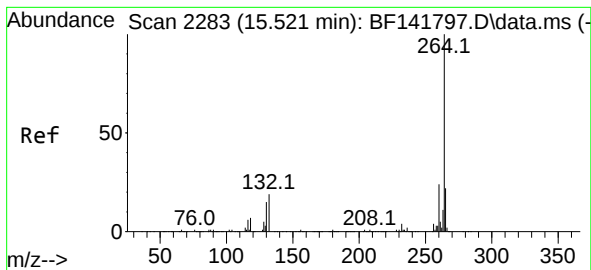
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#83
Chrysene
Concen: 4.189 ng
RT: 14.063 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF141851.D
Acq: 05 Mar 2025 18:50

Tgt Ion:228 Resp: 106945
Ion Ratio Lower Upper
228 100
226 30.2 24.6 37.0
229 21.5 16.1 24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:264 Resp: 414578

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

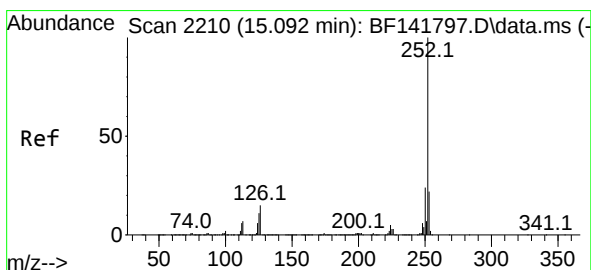
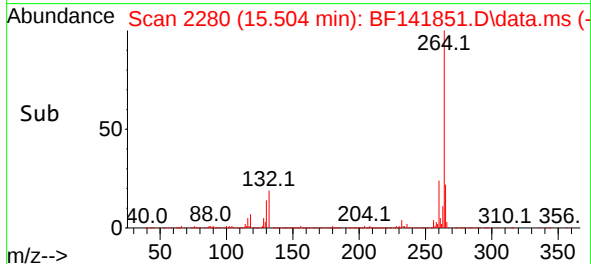
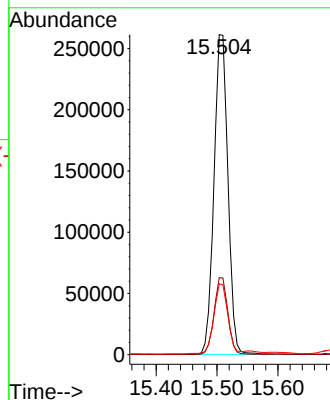
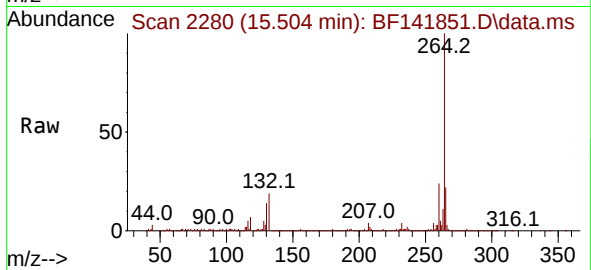
265 22.2 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/06/2025

Supervised By :Jagrut Upadhyay 03/06/2025



#88

Benzo(b)fluoranthene

Concen: 4.595 ng m

RT: 15.074 min Scan# 2207

Delta R.T. -0.018 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

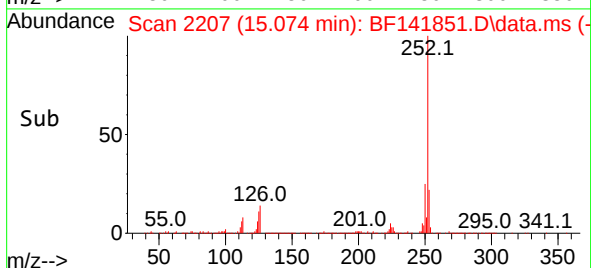
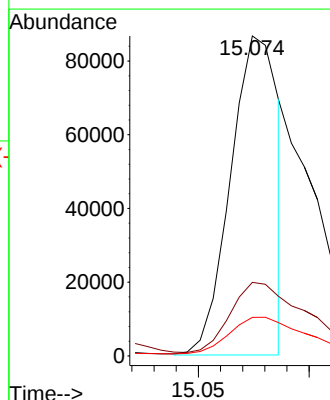
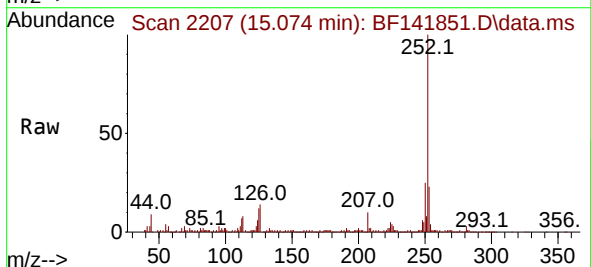
Tgt Ion:252 Resp: 129755

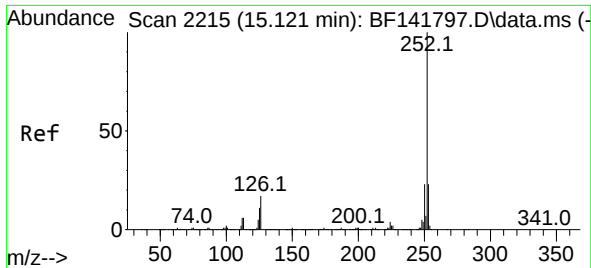
Ion Ratio Lower Upper

252 100

253 23.0 17.7 26.5

125 12.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 2.931 ng m

RT: 15.086 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion:252 Resp: 7035

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

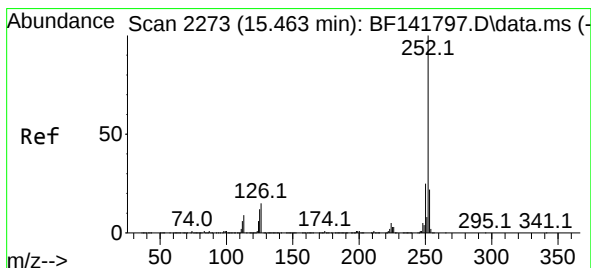
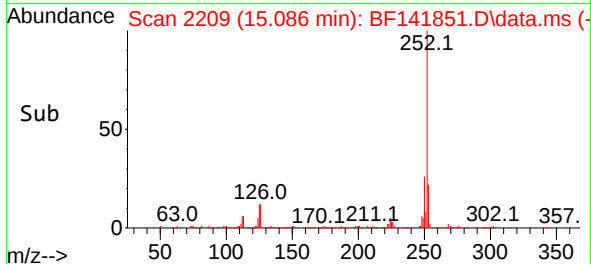
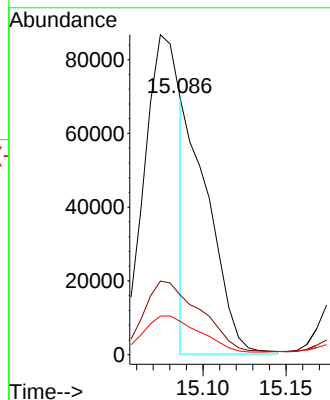
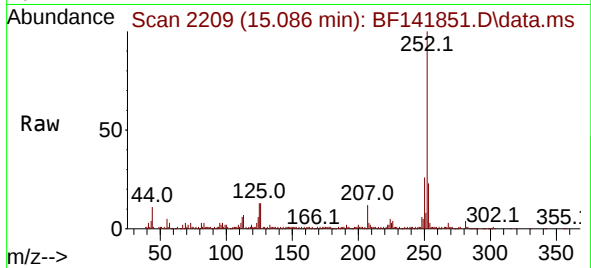
125 13.0 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/06/2025

Supervised By :Jagrut Upadhyay 03/06/2025



#90

Benzo(a)pyrene

Concen: 4.619 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.018 min

Lab File: BF141851.D

Acq: 05 Mar 2025 18:50

Tgt Ion:252 Resp: 104622

Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 10.8 9.4 14.2

