

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141843.D
 Acq On : 05 Mar 2025 14:52
 Operator : RC/JU
 Sample : Q1488-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ENV-104-SB01

Manual Integrations
 APPROVED

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

Quant Time: Mar 05 15:14:47 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	192627	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	725608	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	362334	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	551877	20.000	ng	0.00
76) Chrysene-d12	14.033	240	435864	20.000	ng	-0.02
86) Perylene-d12	15.510	264	488168	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1048419	86.920	ng	0.00
7) Phenol-d6	6.498	99	1311040	83.508	ng	-0.01
23) Nitrobenzene-d5	7.440	82	818591	72.111	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	277953	81.711	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1254219	55.503	ng	0.00
79) Terphenyl-d14	12.986	244	978122	36.308	ng	-0.01
Target Compounds						
						Qvalue
75) Fluoranthene	12.610	202	89800	2.969	ng	98
78) Pyrene	12.839	202	84804	2.247	ng	100
83) Chrysene	14.063	228	64592	2.434	ng	96
88) Benzo(b)fluoranthene	15.074	252	104685m	3.148	ng	
90) Benzo(a)pyrene	15.445	252	61441	2.304	ng	97

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

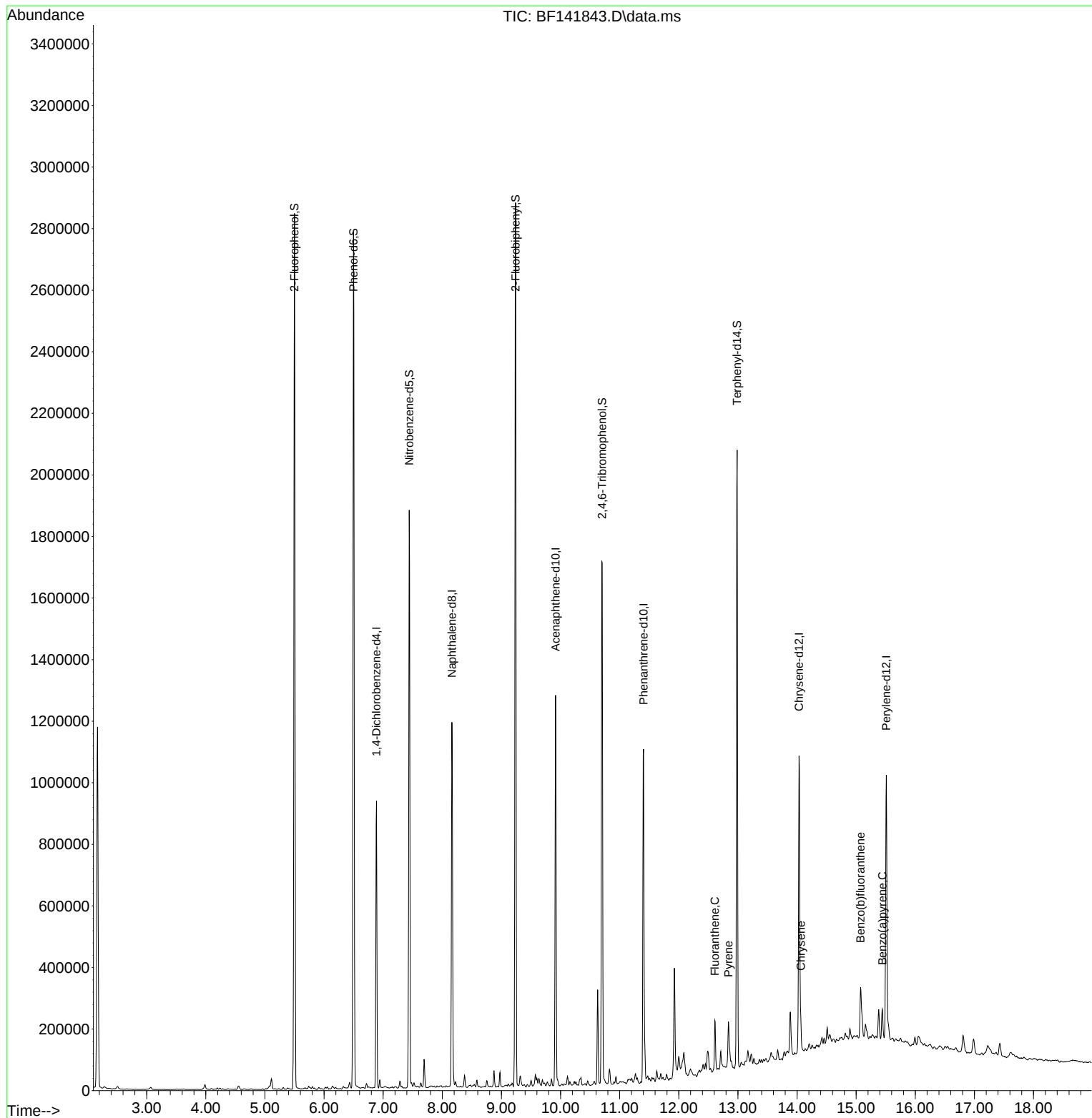
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
Data File : BF141843.D
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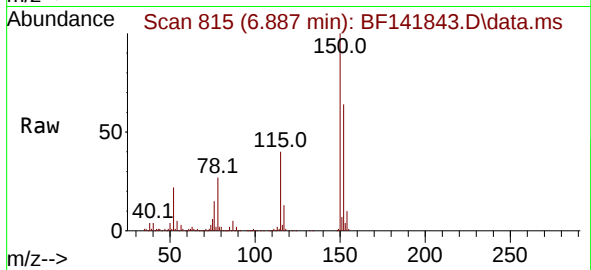
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

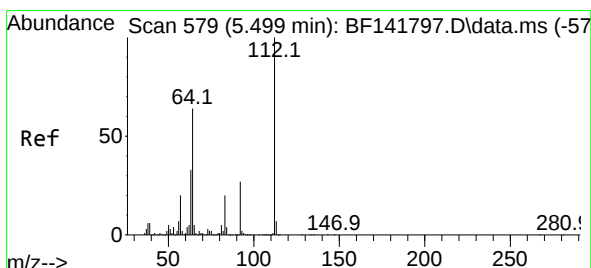
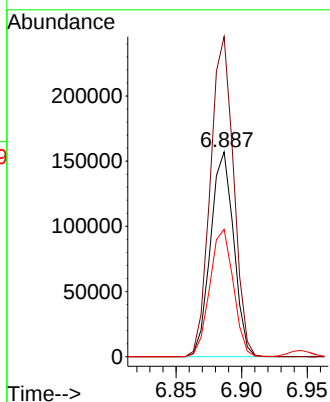
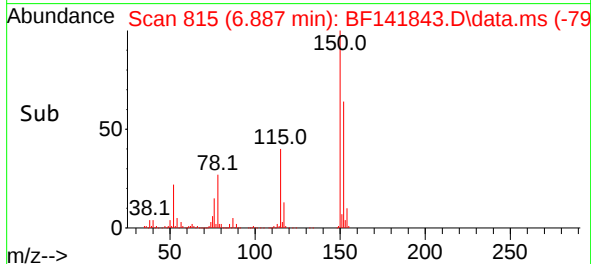
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01



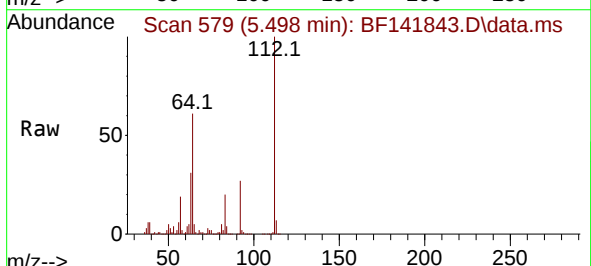
Tgt Ion:152 Resp: 19262
Ion Ratio Lower Upper
152 100
150 156.2 127.5 191.3
115 62.2 51.4 77.2

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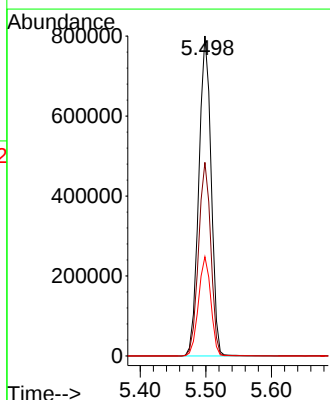
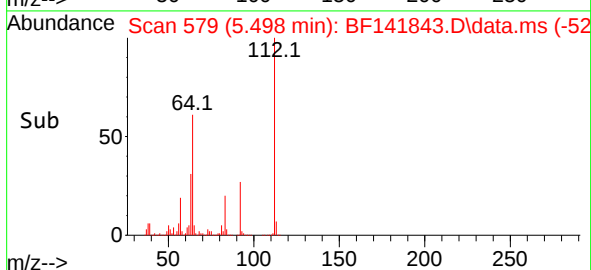
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#5
2-Fluorophenol
Concen: 86.920 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52



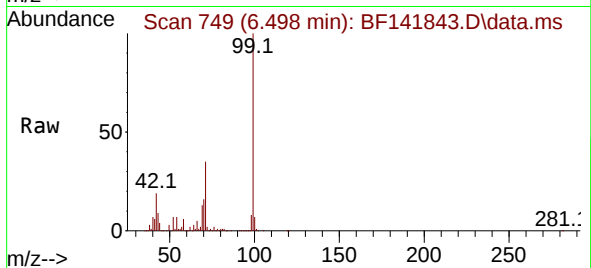
Tgt Ion:112 Resp: 1048419
Ion Ratio Lower Upper
112 100
64 60.5 51.3 76.9
63 31.0 26.2 39.4





#7
Phenol-d6
Concen: 83.508 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

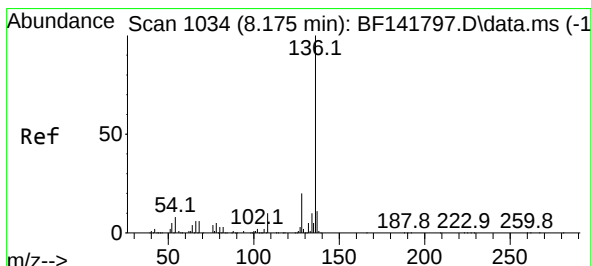
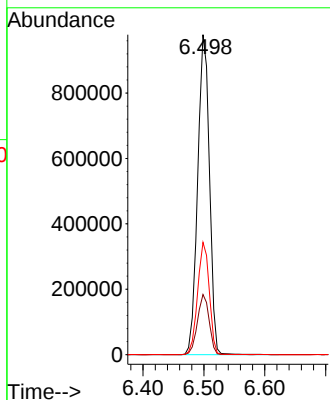
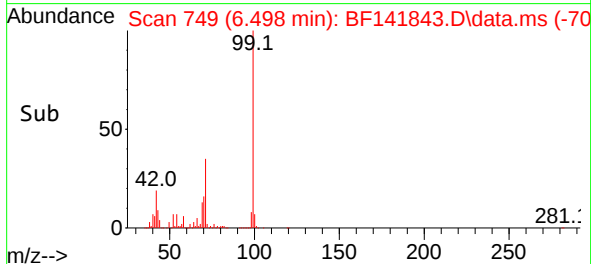
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01



Tgt Ion: 99 Resp: 1311040
Ion Ratio Lower Upper
99 100
42 18.8 15.2 22.8
71 35.1 28.2 42.2

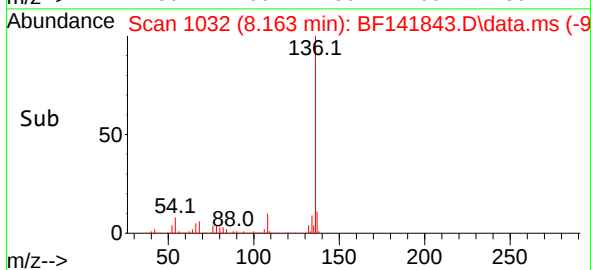
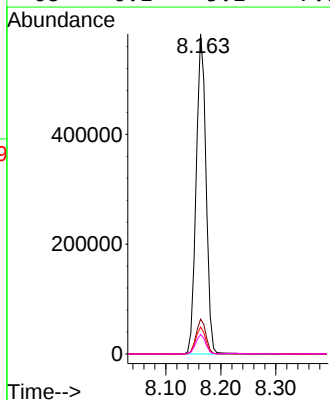
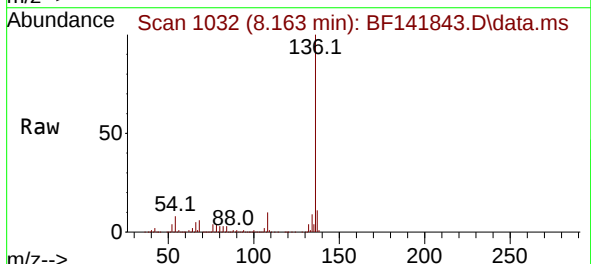
Manual Integrations
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Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion:136 Resp: 725608
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.4 6.9 10.3
68 6.1 5.1 7.7





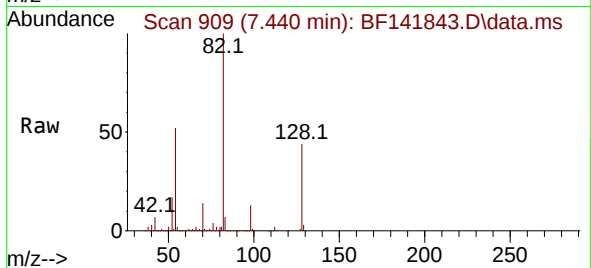
#23
Nitrobenzene-d5
Concen: 72.111 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01

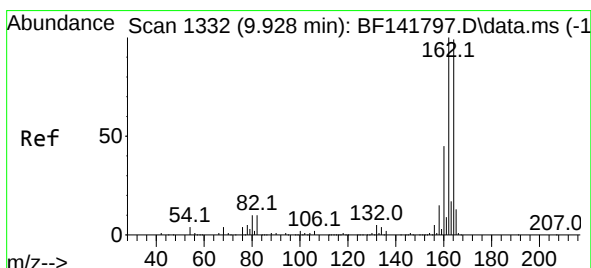
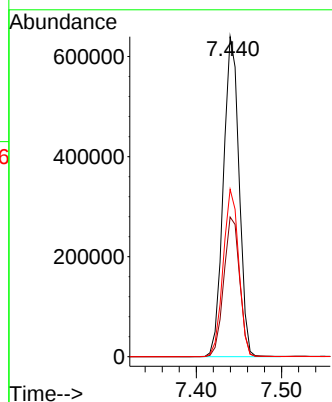
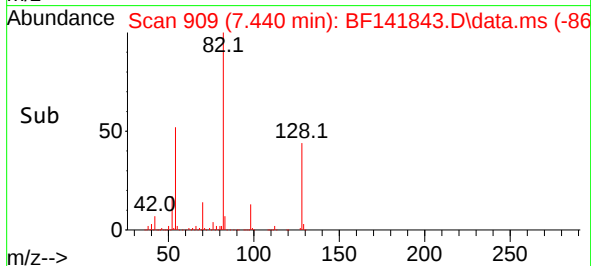


Tgt Ion: 82 Resp: 81859
Ion Ratio Lower Upper
82 100
128 43.7 33.5 50.3
54 52.3 42.7 64.1

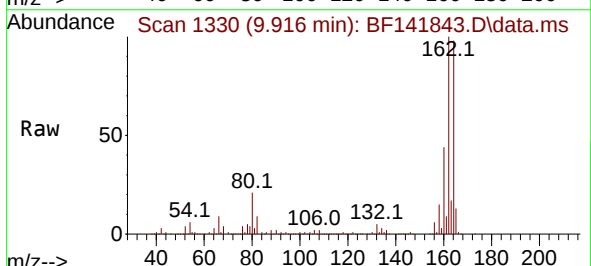
Manual Integrations

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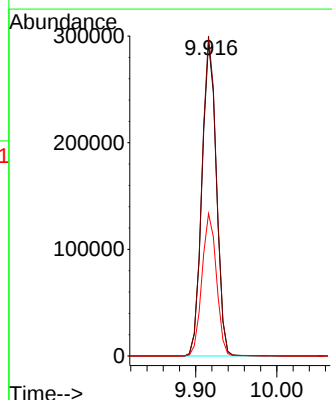
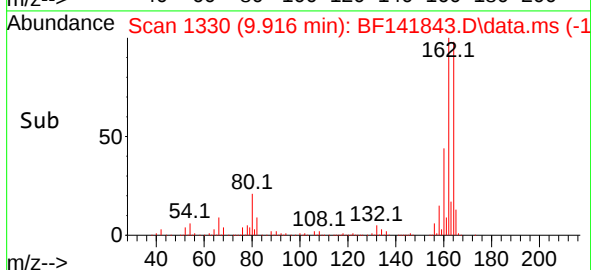
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

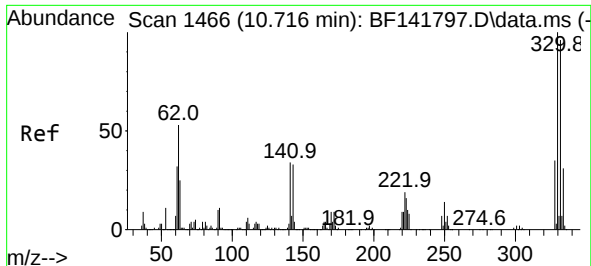


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52



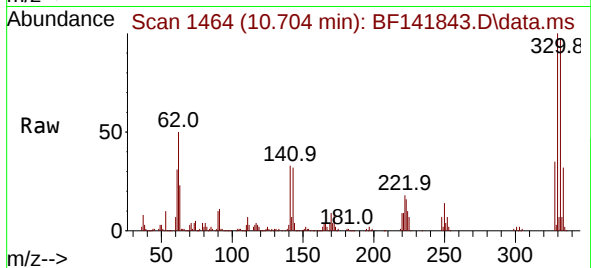
Tgt Ion:164 Resp: 362334
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 45.4 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 81.711 ng
RT: 10.704 min Scan# 1464
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

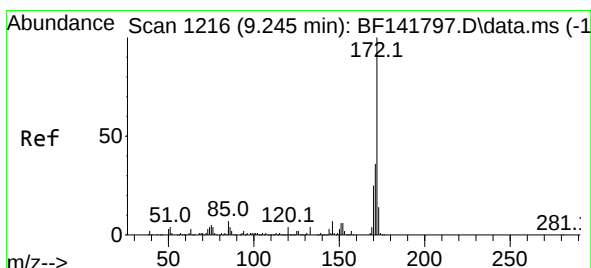
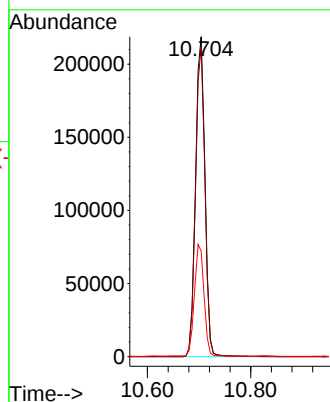
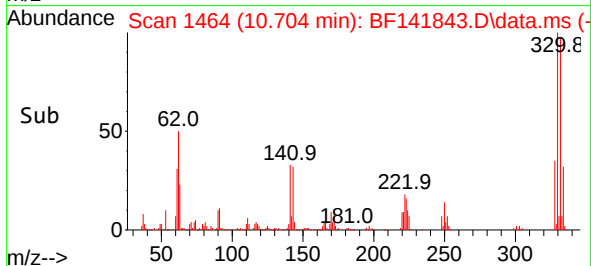
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01



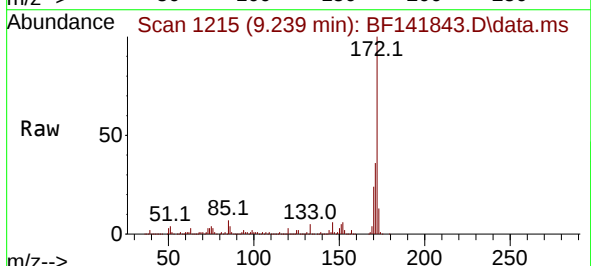
Tgt Ion: 330 Resp: 27795
Ion Ratio Lower Upper
330 100
332 96.1 76.6 115.0
141 35.7 29.0 43.4

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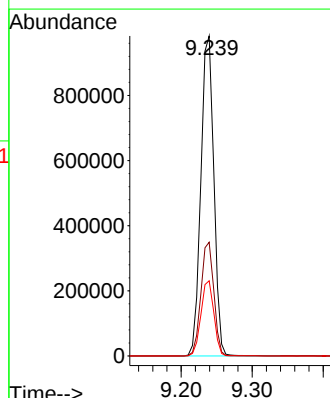
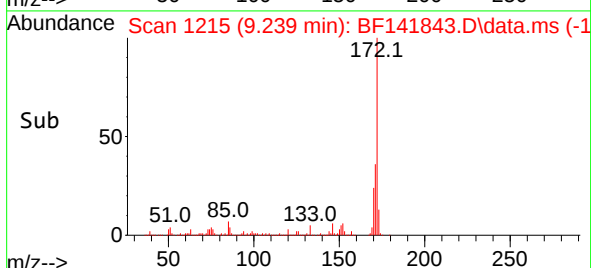
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

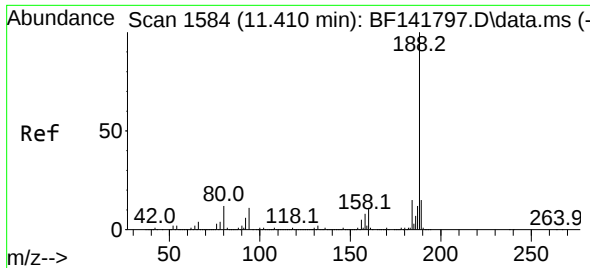


#45
2-Fluorobiphenyl
Concen: 55.503 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52



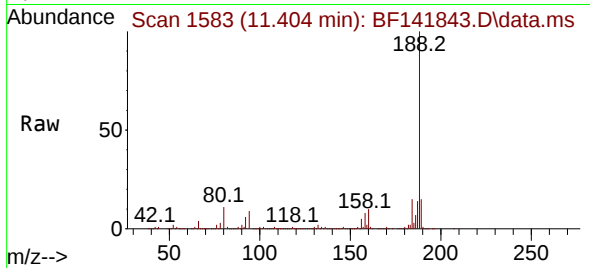
Tgt Ion: 172 Resp: 1254219
Ion Ratio Lower Upper
172 100
171 35.5 29.2 43.8
170 23.5 19.7 29.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

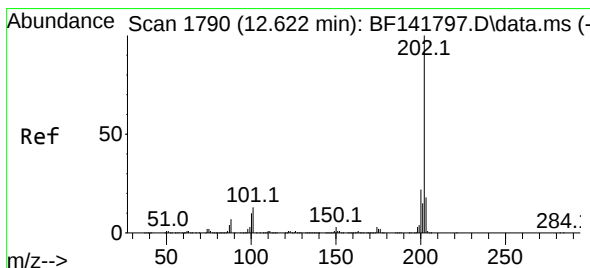
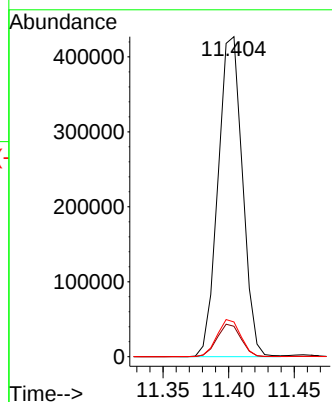
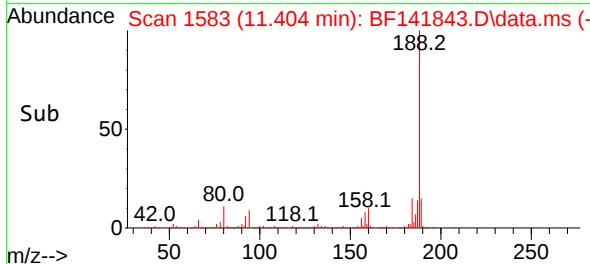
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01



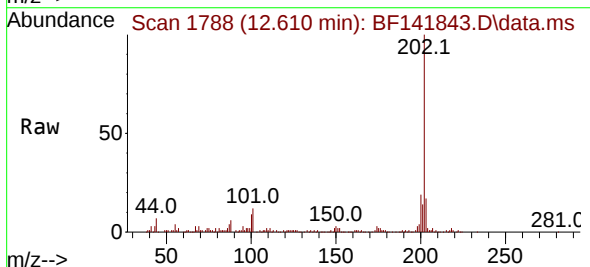
Tgt Ion:188 Resp: 55187
Ion Ratio Lower Upper
188 100
94 9.5 8.9 13.3
80 10.8 9.7 14.5

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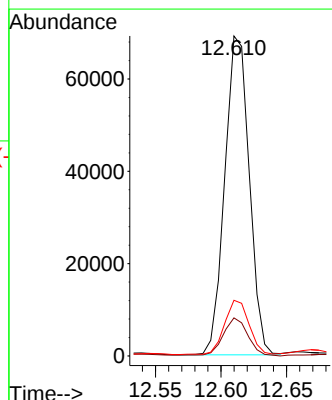
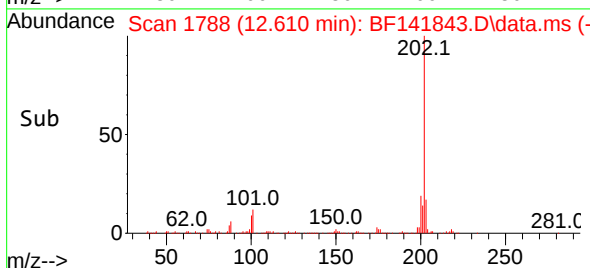
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

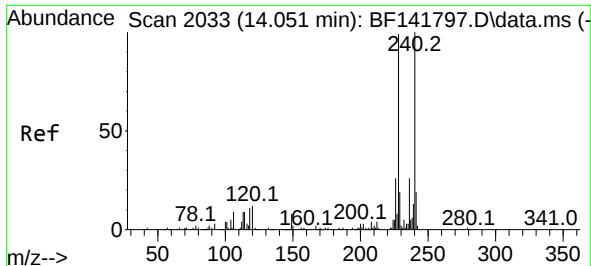


#75
Fluoranthene
Concen: 2.969 ng
RT: 12.610 min Scan# 1788
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52



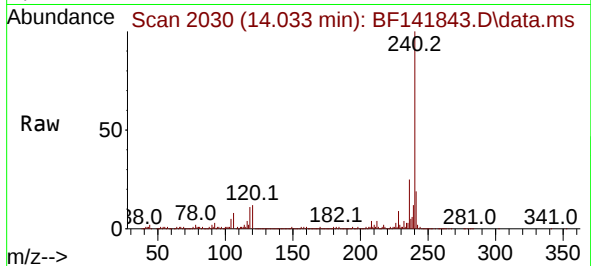
Tgt Ion:202 Resp: 89800
Ion Ratio Lower Upper
202 100
101 11.9 0.0 32.8
203 17.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2033
Delta R.T. -0.018 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

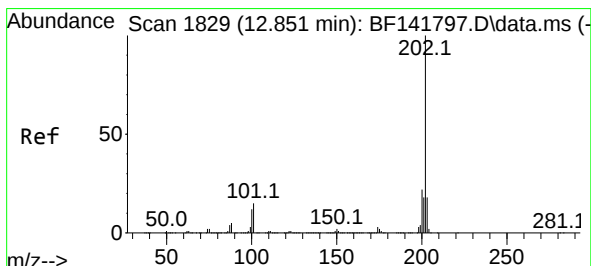
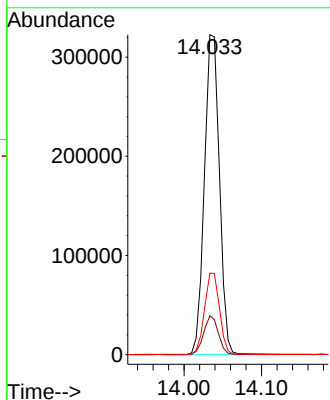
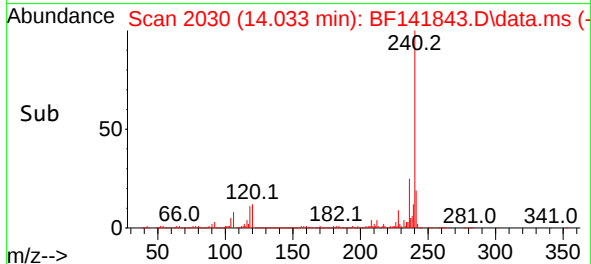
Instrument :
BNA_F
ClientSampleId :
ENV-104-SB01



Tgt Ion:240 Resp: 435864
Ion Ratio Lower Upper
240 100
120 12.2 9.7 14.5
236 25.5 21.0 31.4

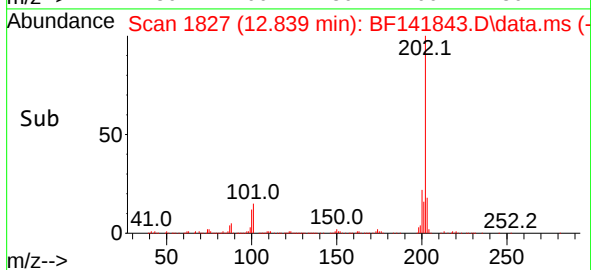
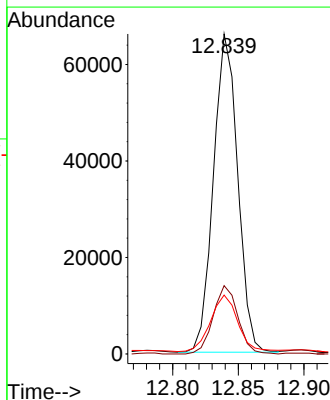
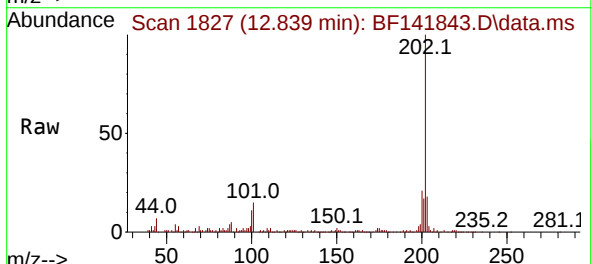
Manual Integrations
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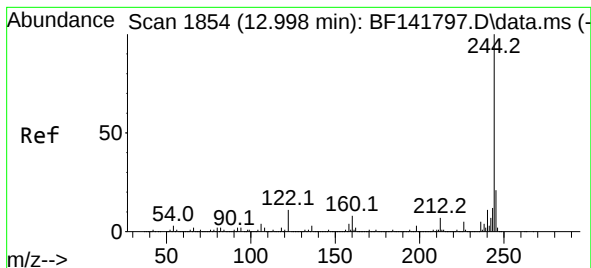
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#78
Pyrene
Concen: 2.247 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF141843.D
Acq: 05 Mar 2025 14:52

Tgt Ion:202 Resp: 84804
Ion Ratio Lower Upper
202 100
200 21.4 17.4 26.0
203 18.4 14.6 22.0





#79

Terphenyl-d14

Concen: 36.308 ng

RT: 12.986 min Scan# 1852

Delta R.T. -0.012 min

Lab File: BF141843.D

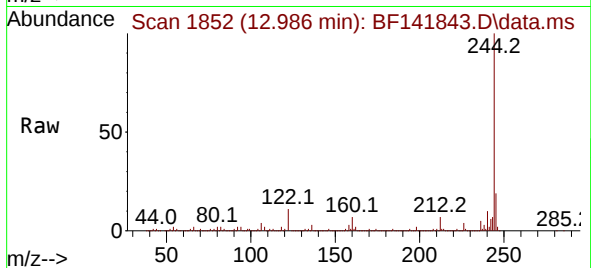
Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01



Tgt Ion:244 Resp: 97812

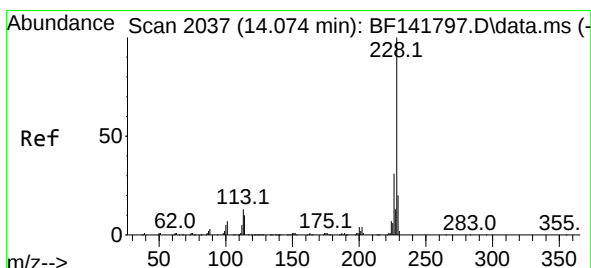
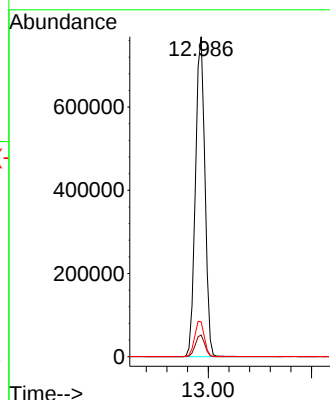
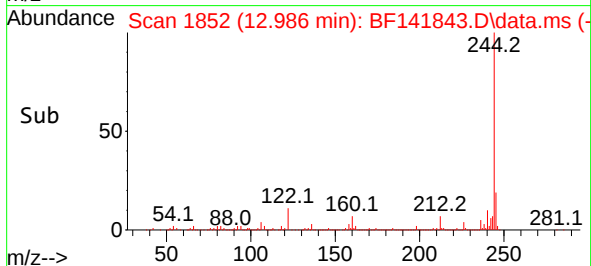
Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	10.9	9.0	13.6

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/06/2025



#83

Chrysene

Concen: 2.434 ng

RT: 14.063 min Scan# 2035

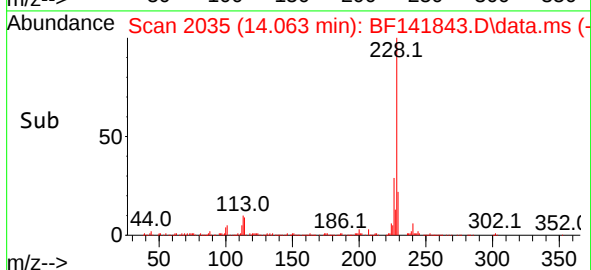
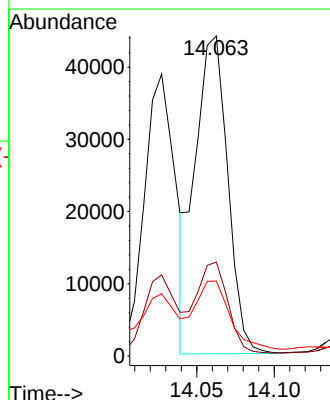
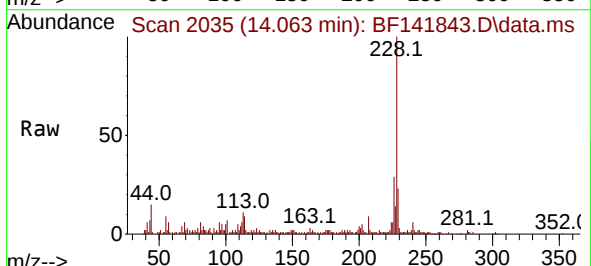
Delta R.T. -0.012 min

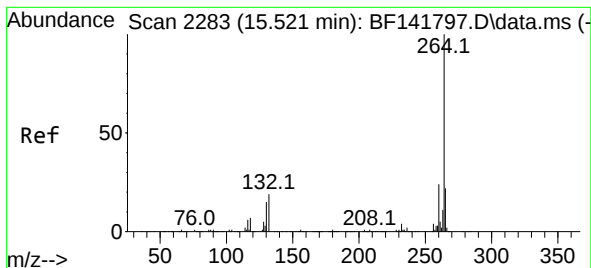
Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Tgt Ion:228 Resp: 64592

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0
229	23.4	16.1	24.1





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.510 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

Instrument :

BNA_F

ClientSampleId :

ENV-104-SB01

Tgt Ion:264 Resp: 48816

Ion Ratio Lower Upper

264 100

260 23.8 18.9 28.3

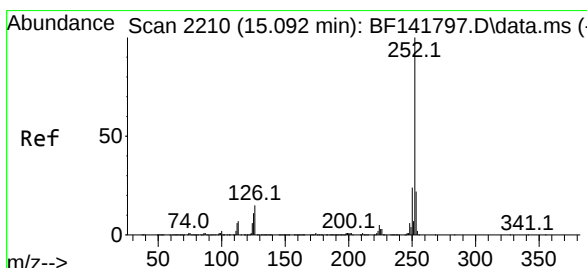
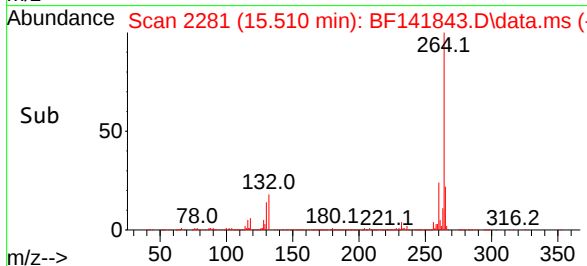
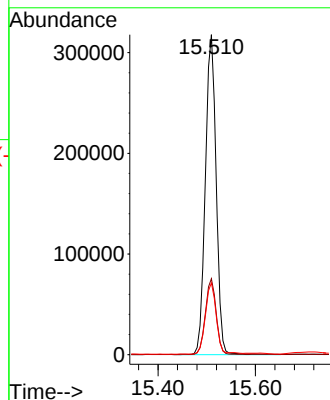
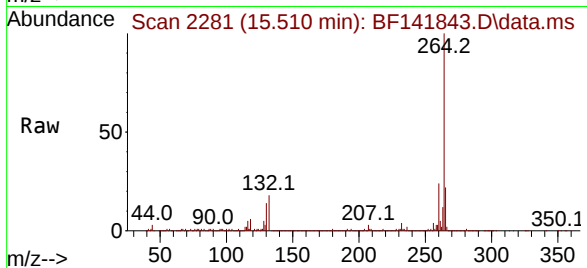
265 22.4 17.4 26.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/06/2025

Supervised By :Jagrut Upadhyay 03/06/2025



#88

Benzo(b)fluoranthene

Concen: 3.148 ng m

RT: 15.074 min Scan# 2207

Delta R.T. -0.018 min

Lab File: BF141843.D

Acq: 05 Mar 2025 14:52

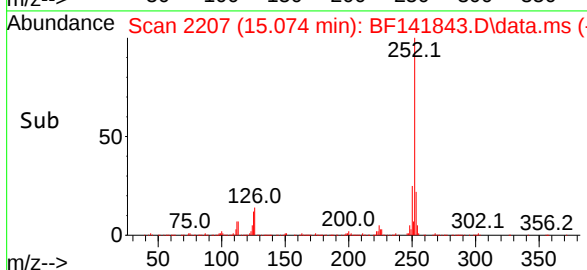
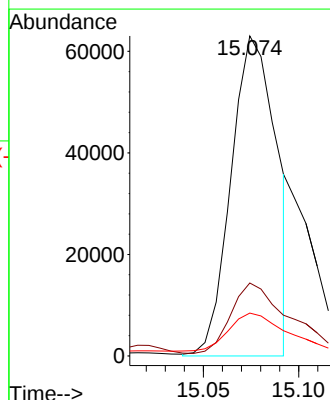
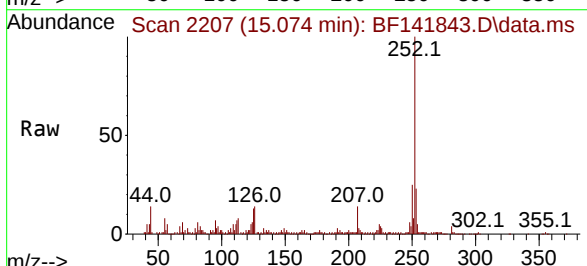
Tgt Ion:252 Resp: 104685

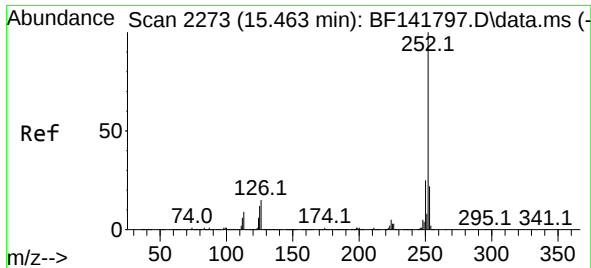
Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

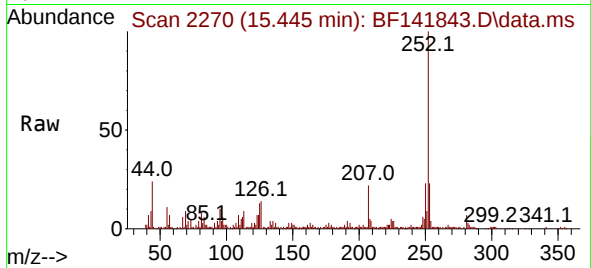
125 13.4 8.6 13.0#





#90
 Benzo(a)pyrene
 Concen: 2.304 ng
 RT: 15.445 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF141843.D
 Acq: 05 Mar 2025 14:52

Instrument :
 BNA_F
 ClientSampleId :
 ENV-104-SB01



Tgt Ion:252 Resp: 6144
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.5 26.3
 125 13.1 9.4 14.2

Manual Integrations
 APPROVED

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

