

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141854.D
 Acq On : 05 Mar 2025 20:20
 Operator : RC/JU
 Sample : Q1489-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Quant Time: Mar 06 00:15:33 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	159011	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	572361	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	260203	20.000	ng	-0.01
64) Phenanthrene-d10	11.404	188	402776	20.000	ng	0.00
76) Chrysene-d12	14.039	240	367315	20.000	ng	-0.01
86) Perylene-d12	15.510	264	271070	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	958814	96.296	ng	0.00
7) Phenol-d6	6.499	99	1186884	91.582	ng	-0.01
23) Nitrobenzene-d5	7.440	82	694974	77.613	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	236484	96.807	ng	-0.01
45) 2-Fluorobiphenyl	9.240	172	1113063	68.590	ng	0.00
79) Terphenyl-d14	12.986	244	1141098	50.262	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.187	128	62741	2.133	ng	97
58) Fluorene	10.463	166	41503	2.574	ng	99
71) Phenanthrene	11.428	178	253124	11.749	ng	98
72) Anthracene	11.475	178	94985	4.399	ng	98
75) Fluoranthene	12.616	202	344388	15.600	ng	97
78) Pyrene	12.839	202	267457	8.409	ng	98
81) Benzo(a)anthracene	14.027	228	152917m	6.303	ng	
83) Chrysene	14.063	228	115601	5.169	ng	97
87) Indeno(1,2,3-cd)pyrene	16.986	276	37677m	2.183	ng	
88) Benzo(b)fluoranthene	15.080	252	107818m	5.839	ng	
89) Benzo(k)fluoranthene	15.092	252	44190m	2.816	ng	
90) Benzo(a)pyrene	15.445	252	73202	4.943	ng	# 97
92) Benzo(g,h,i)perylene	17.433	276	34453	2.387	ng	97

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

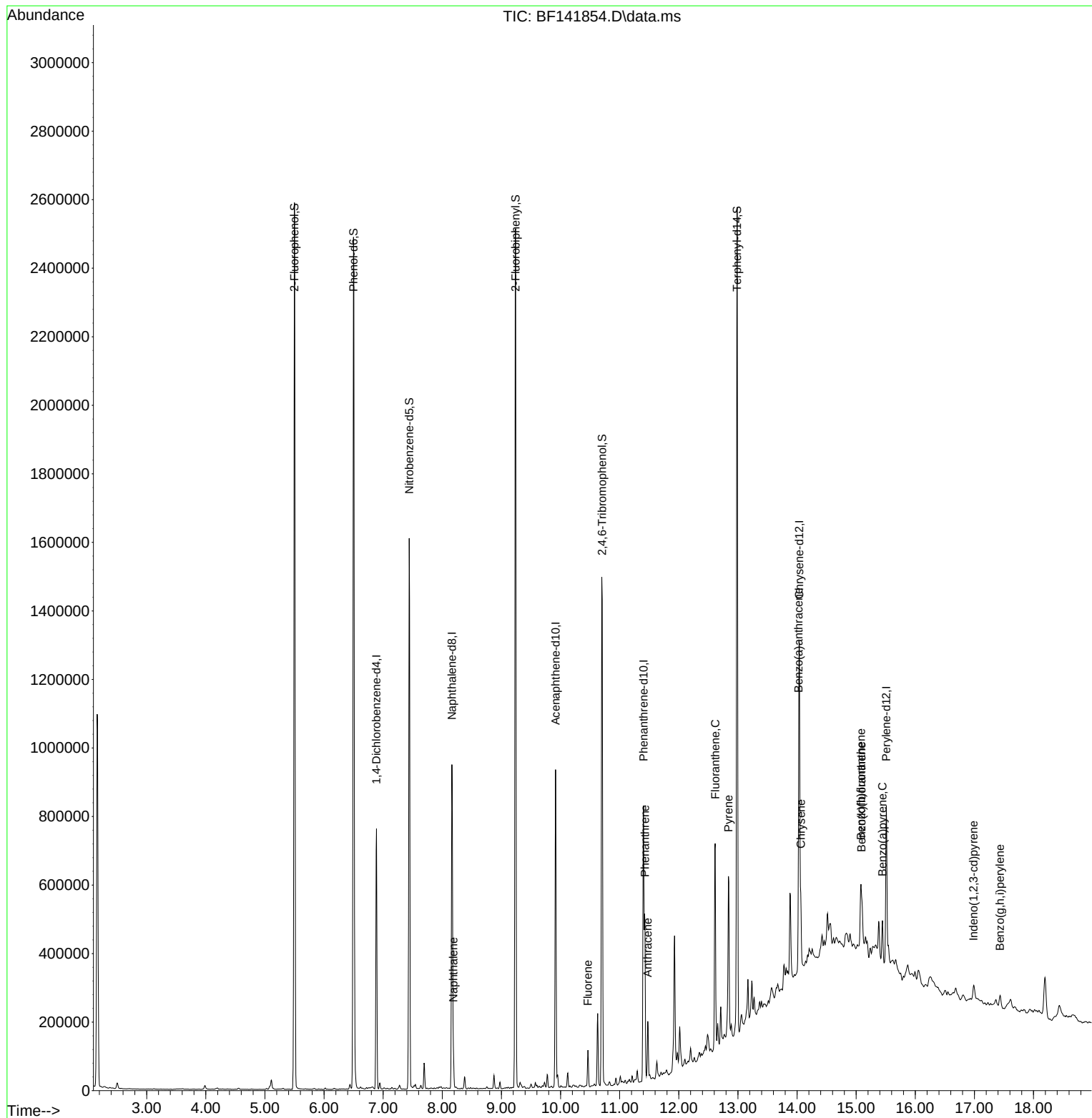
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
Data File : BF141854.D
Acq On : 05 Mar 2025 20:20
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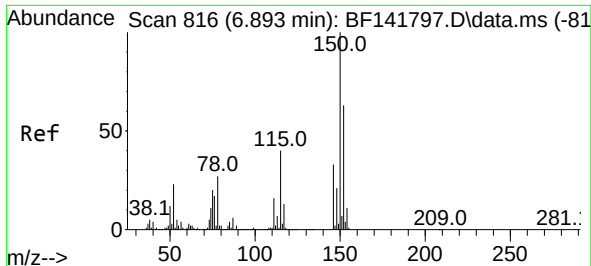
Instrument :
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Quant Time: Mar 06 00:15:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
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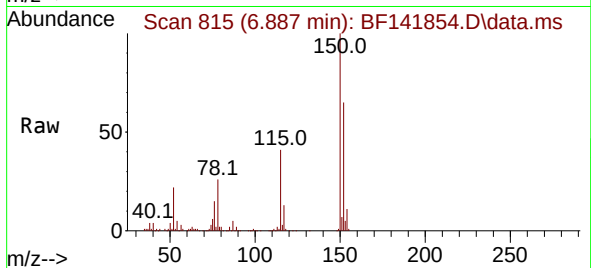
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Supervised By :Jagrut Upadhyay 03/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

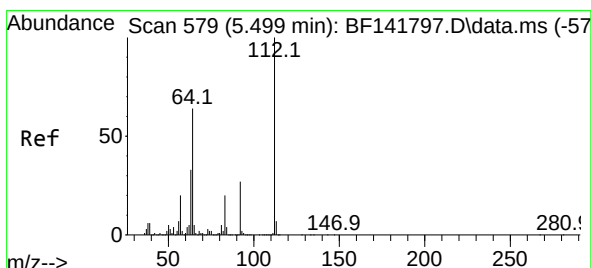
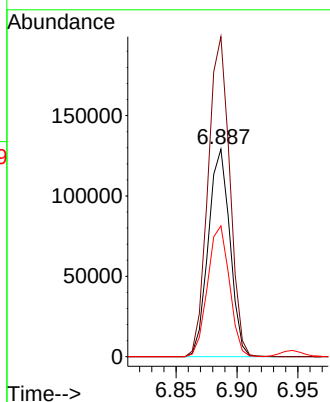
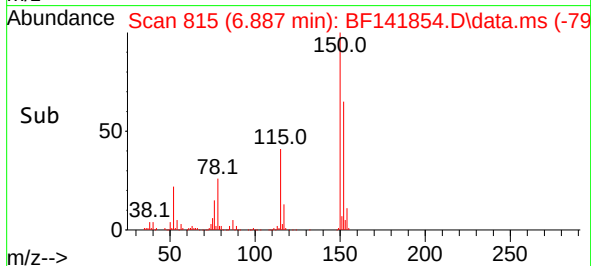
Instrument :
BNA_F
ClientSampleId :
TP-2



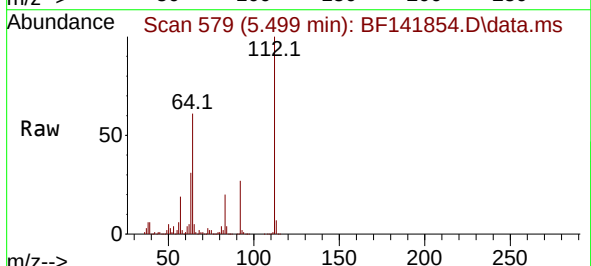
Tgt Ion:152 Resp: 15901
Ion Ratio Lower Upper
152 100
150 154.2 127.5 191.3
115 63.1 51.4 77.2

Manual Integrations
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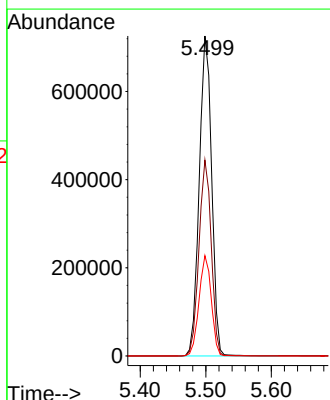
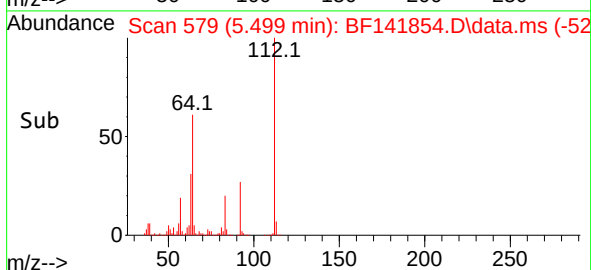
Reviewed By :Anahy Claudio 03/06/2025
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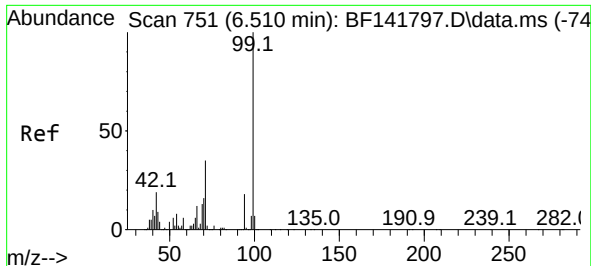


#5
2-Fluorophenol
Concen: 96.296 ng
RT: 5.499 min Scan# 579
Delta R.T. 0.000 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20



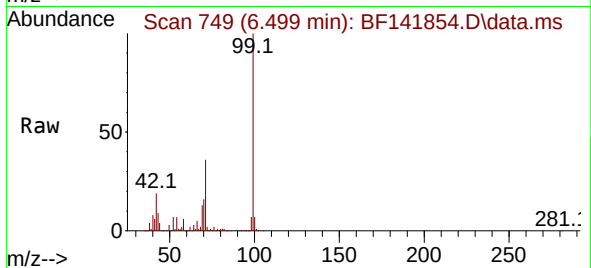
Tgt Ion:112 Resp: 958814
Ion Ratio Lower Upper
112 100
64 61.2 51.3 76.9
63 31.3 26.2 39.4





#7
Phenol-d6
Concen: 91.582 ng
RT: 6.499 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

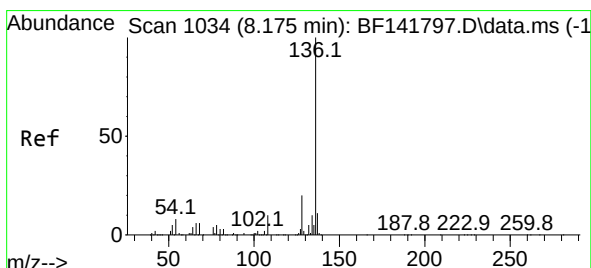
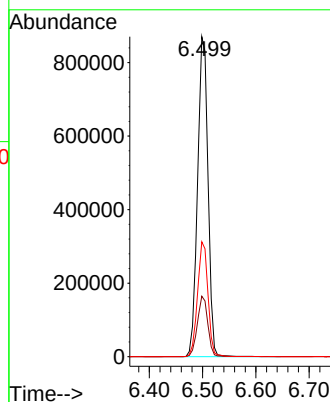
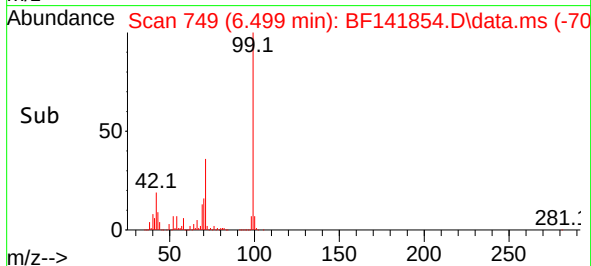
Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion: 99 Resp: 1186884
Ion Ratio Lower Upper
99 100
42 18.9 15.2 22.8
71 35.9 28.2 42.2

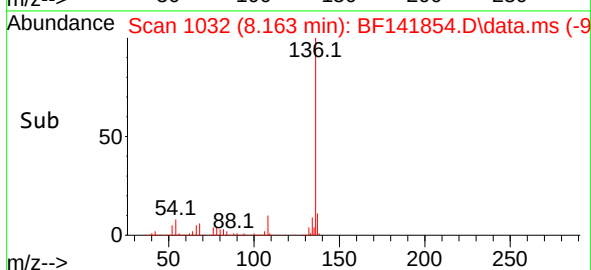
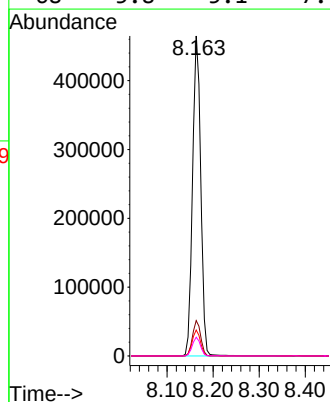
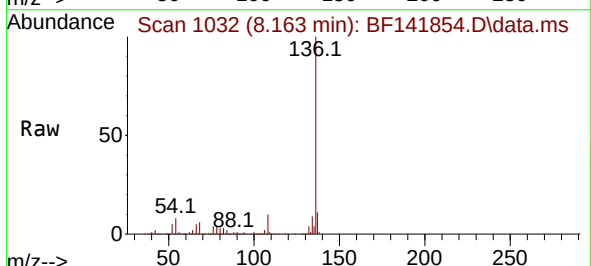
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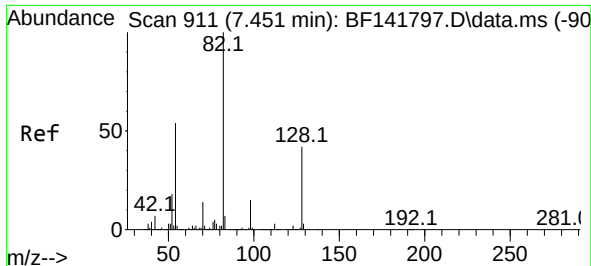
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

Tgt Ion:136 Resp: 572361
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 8.1 6.9 10.3
68 5.8 5.1 7.7





#23

Nitrobenzene-d5

Concen: 77.613 ng

RT: 7.440 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

Instrument :

BNA_F

ClientSampleId :

TP-2

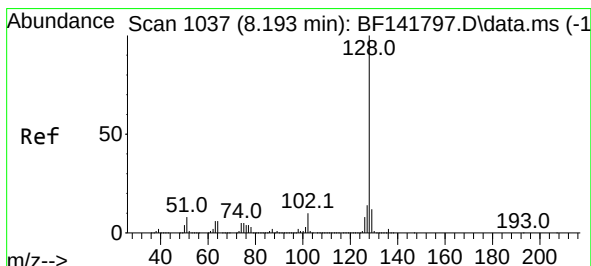
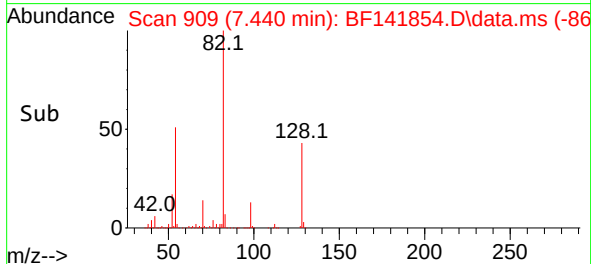
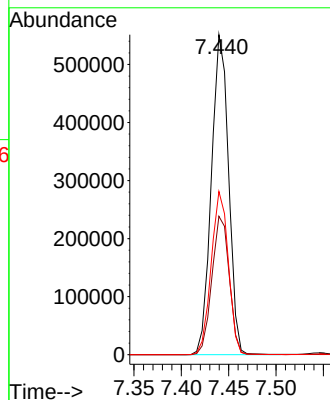
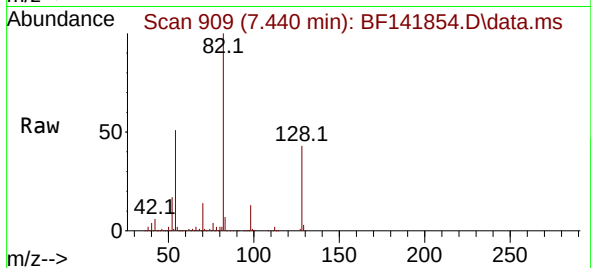
Tgt Ion: 82 Resp: 694974
 Ion Ratio Lower Upper
 82 100
 128 43.2 33.5 50.3
 54 51.0 42.7 64.1

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#31

Naphthalene

Concen: 2.133 ng

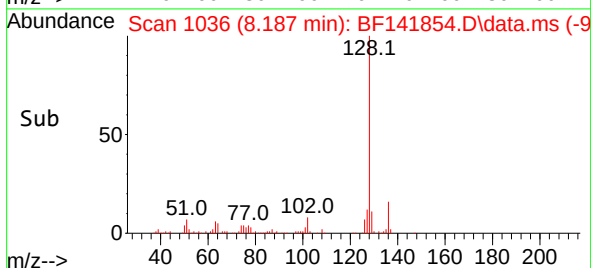
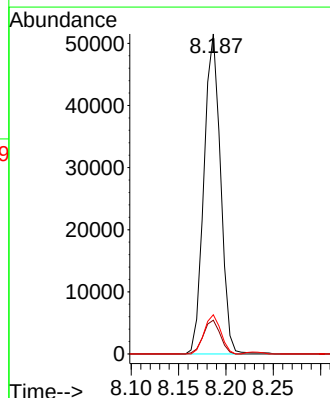
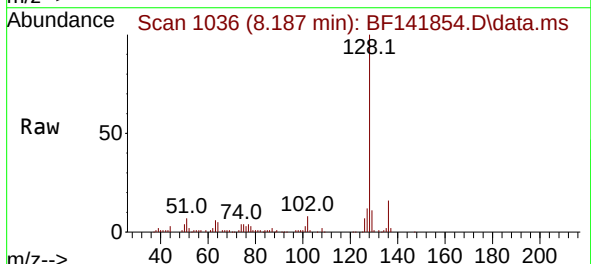
RT: 8.187 min Scan# 1036

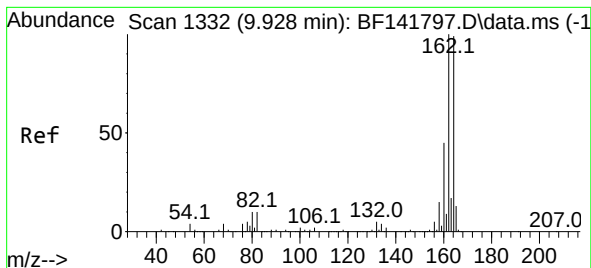
Delta R.T. -0.006 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

Tgt Ion:128 Resp: 62741
 Ion Ratio Lower Upper
 128 100
 129 10.5 9.2 13.8
 127 12.3 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: BF141854.D

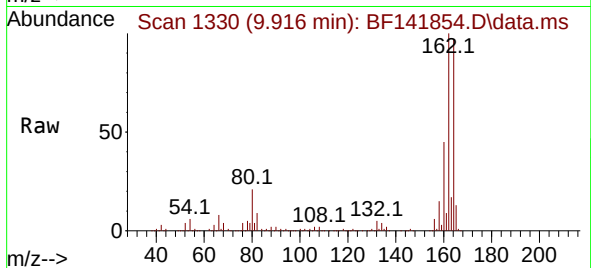
Acq: 05 Mar 2025 20:20

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion:164 Resp: 26020

Ion Ratio Lower Upper

164 100

162 102.9 80.6 120.8

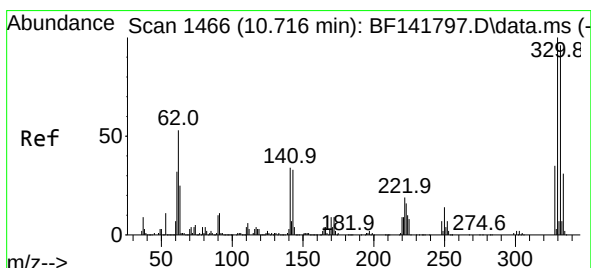
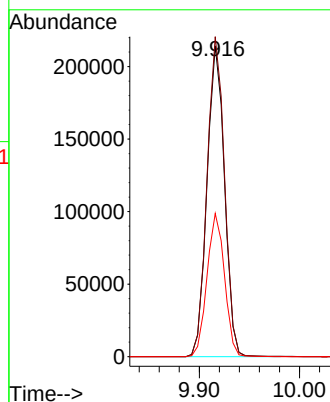
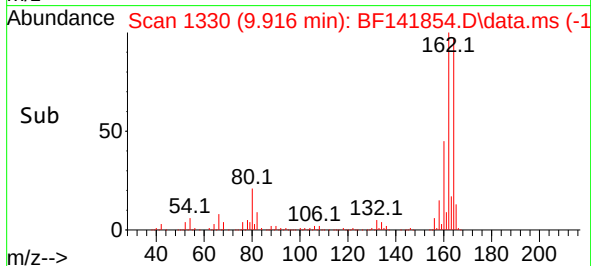
160 46.1 36.3 54.5

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#42

2,4,6-Tribromophenol

Concen: 96.807 ng

RT: 10.704 min Scan# 1464

Delta R.T. -0.012 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

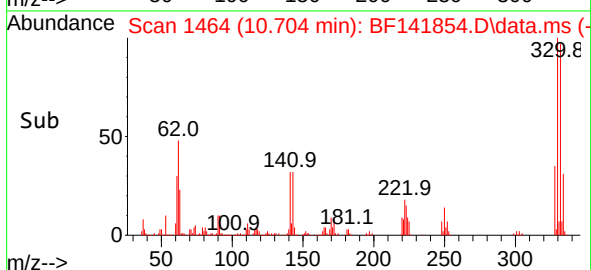
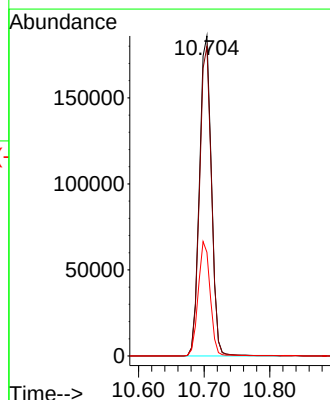
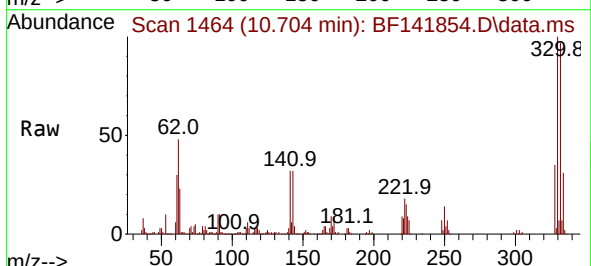
Tgt Ion:330 Resp: 236484

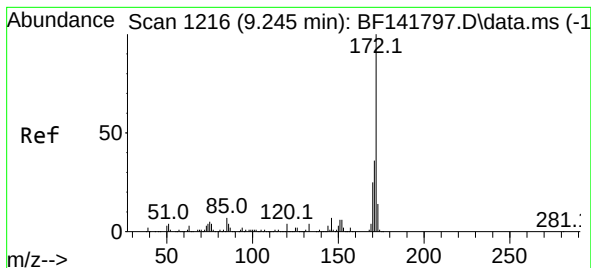
Ion Ratio Lower Upper

330 100

332 96.3 76.6 115.0

141 36.0 29.0 43.4





#45

2-Fluorobiphenyl

Concen: 68.590 ng

RT: 9.240 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:172 Resp: 111306

Ion Ratio Lower Upper

172 100

171 35.9 29.2 43.8

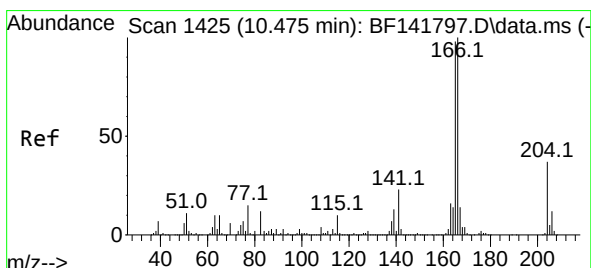
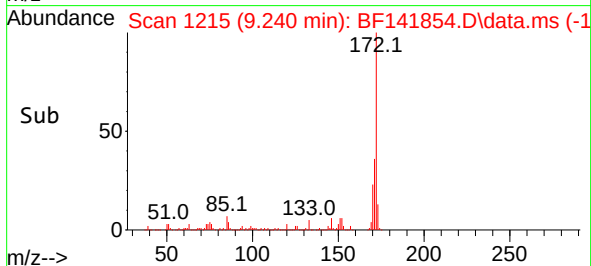
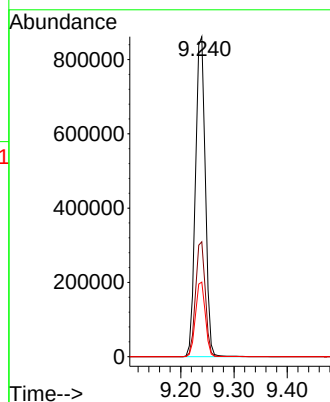
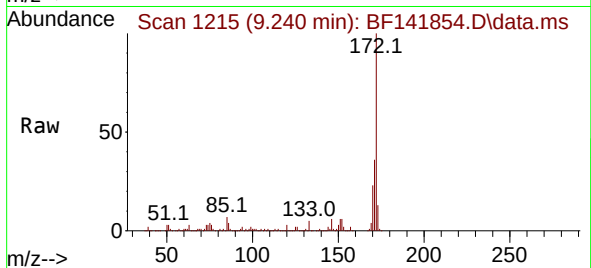
170 23.3 19.7 29.5

Manual Integrations

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#58

Fluorene

Concen: 2.574 ng

RT: 10.463 min Scan# 1423

Delta R.T. -0.012 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

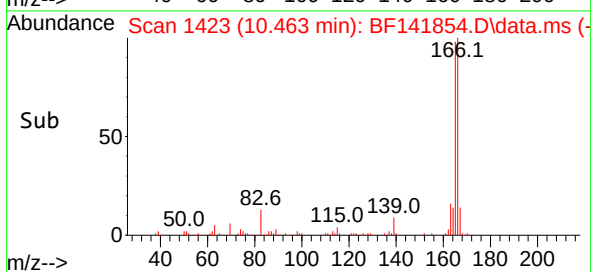
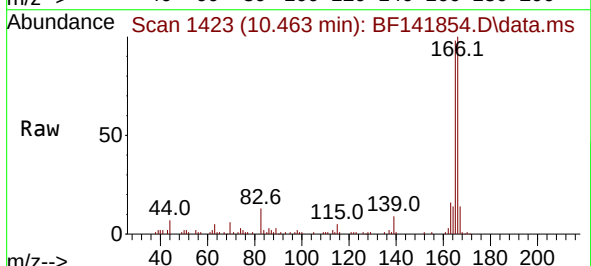
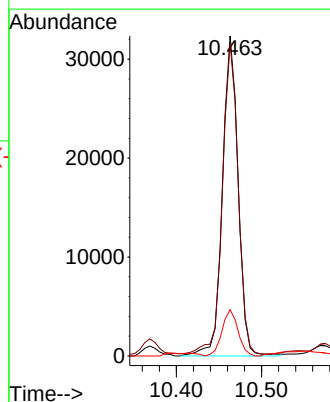
Tgt Ion:166 Resp: 41503

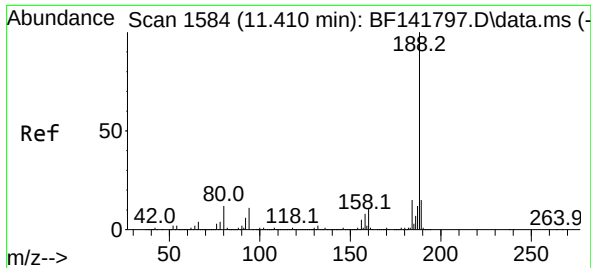
Ion Ratio Lower Upper

166 100

165 97.8 78.6 117.8

167 14.5 11.0 16.4





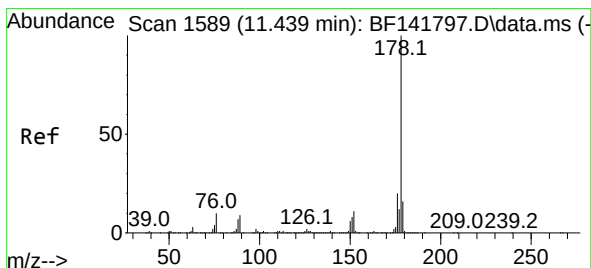
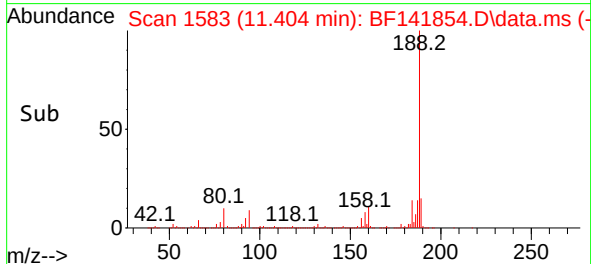
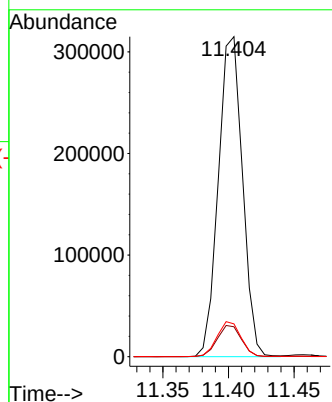
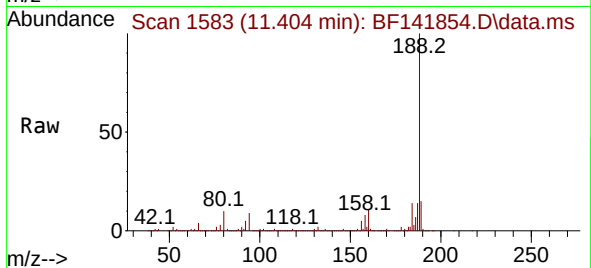
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:188 Resp: 402770
Ion Ratio Lower Upper
188 100
94 9.4 8.9 13.3
80 10.2 9.7 14.5

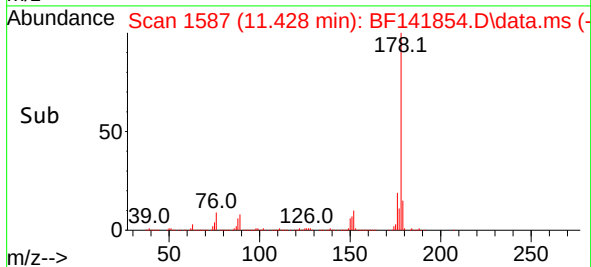
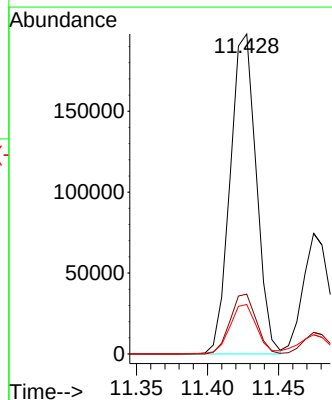
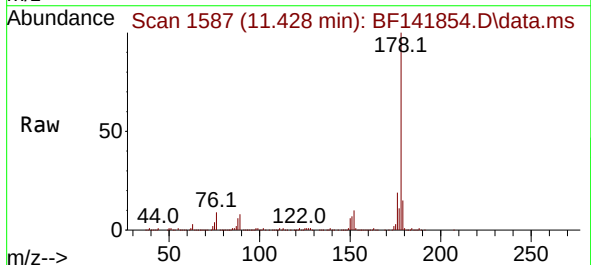
Manual Integrations
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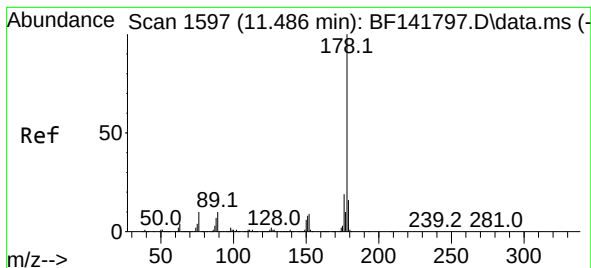
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#71
Phenanthrene
Concen: 11.749 ng
RT: 11.428 min Scan# 1587
Delta R.T. -0.012 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

Tgt Ion:178 Resp: 253124
Ion Ratio Lower Upper
178 100
176 18.7 16.0 24.0
179 15.5 12.6 19.0





#72

Anthracene

Concen: 4.399 ng

RT: 11.475 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

Instrument :

BNA_F

ClientSampleId :

TP-2

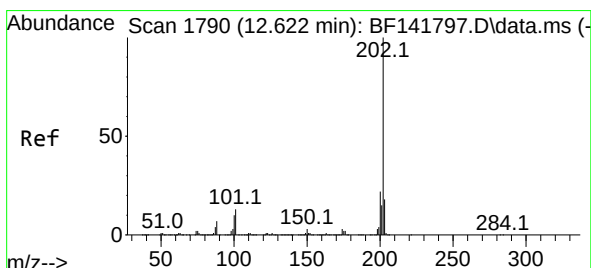
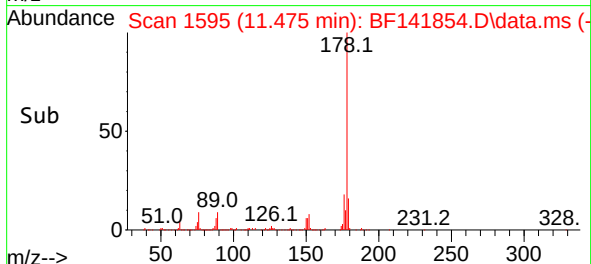
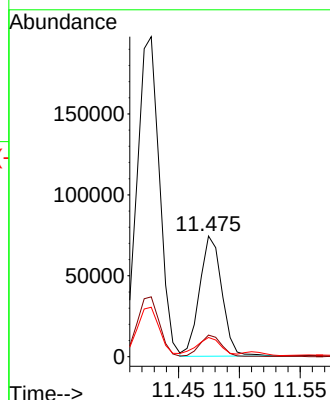
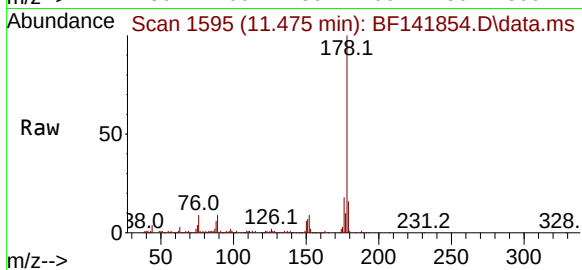
Tgt Ion:178 Resp: 9498

Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.0
179	15.9	12.8	19.2

Manual Integrations

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#75

Fluoranthene

Concen: 15.600 ng

RT: 12.616 min Scan# 1789

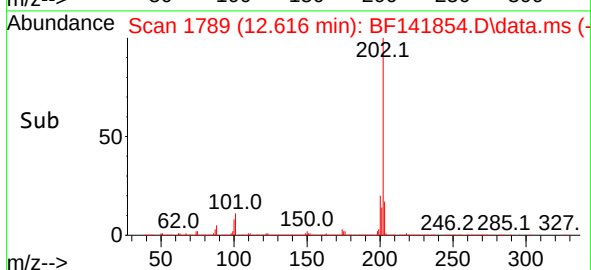
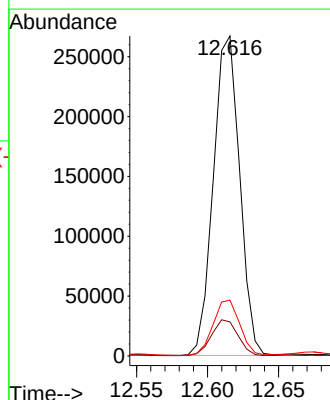
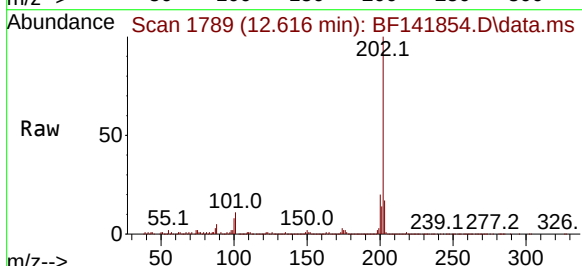
Delta R.T. -0.006 min

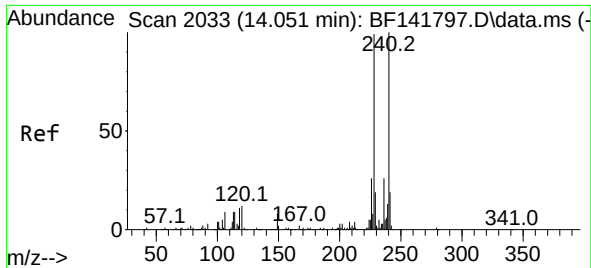
Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

Tgt Ion:202 Resp: 344388

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	32.8
203	17.4	0.0	38.0





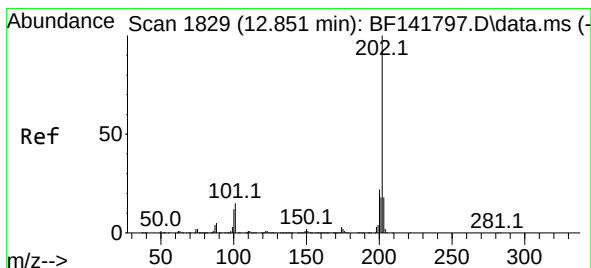
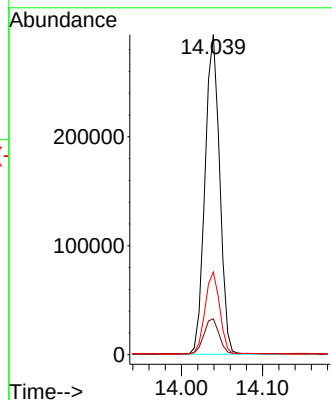
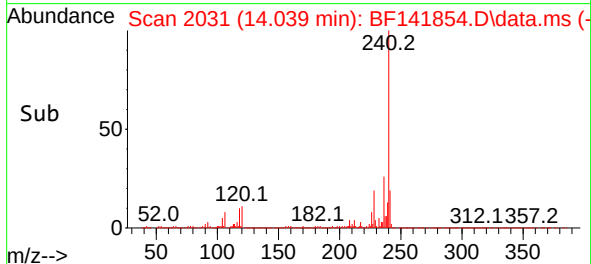
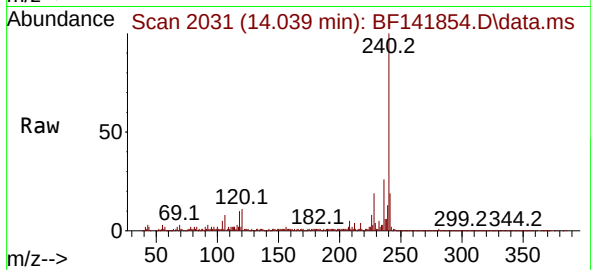
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2033
Delta R.T. -0.012 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:240 Resp: 367315
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 25.8 21.0 31.4

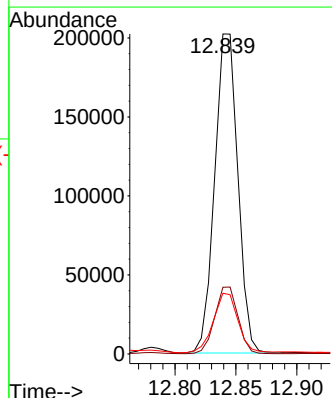
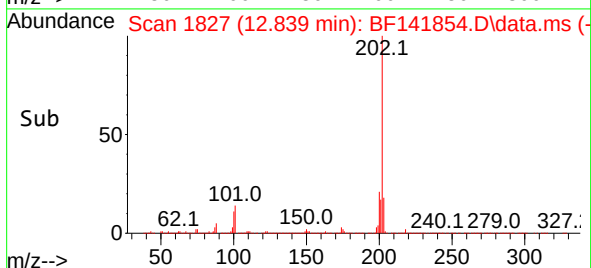
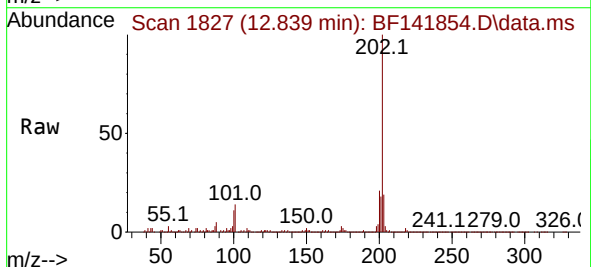
Manual Integrations
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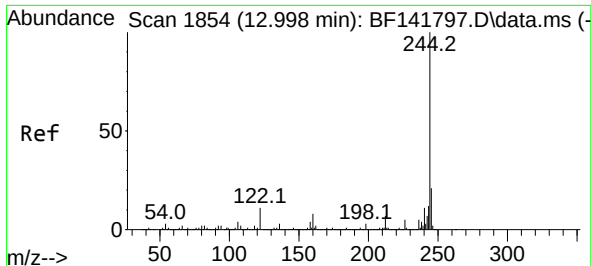
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#78
Pyrene
Concen: 8.409 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

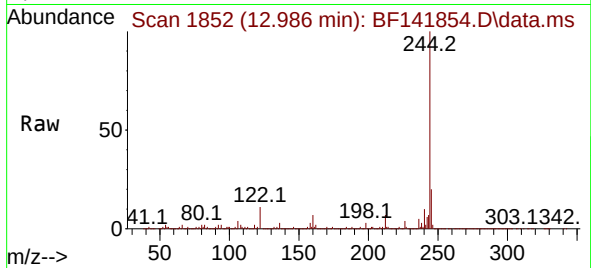
Tgt Ion:202 Resp: 267457
Ion Ratio Lower Upper
202 100
200 20.9 17.4 26.0
203 19.0 14.6 22.0





#79
 Terphenyl-d14
 Concen: 50.262 ng
 RT: 12.986 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF141854.D
 Acq: 05 Mar 2025 20:20

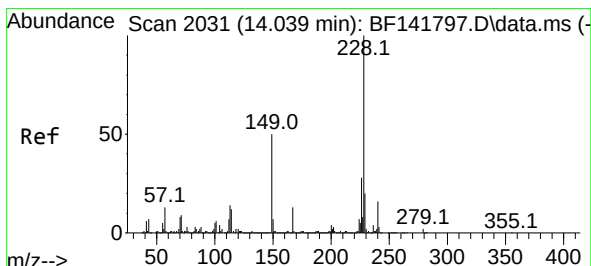
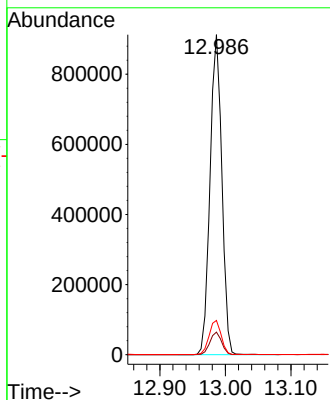
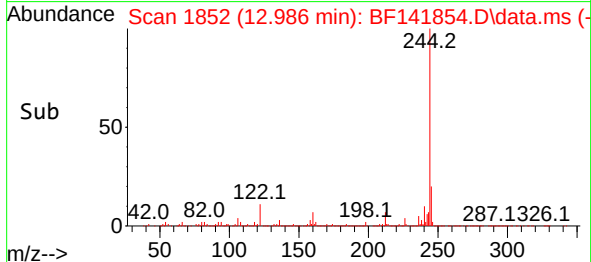
Instrument :
 BNA_F
 ClientSampleId :
 TP-2



Tgt Ion:244 Resp: 1141098
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 10.7 9.0 13.6

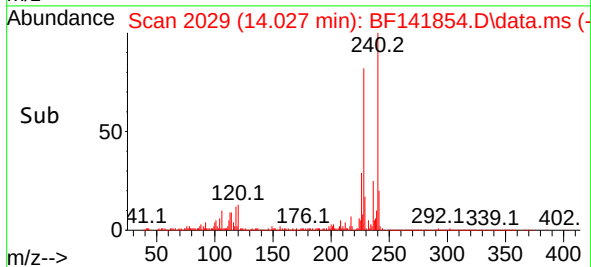
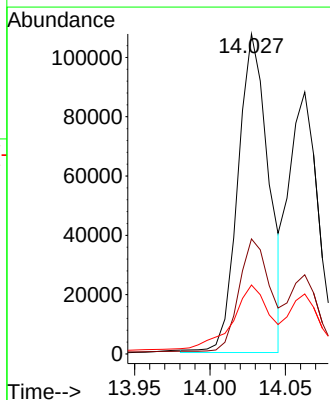
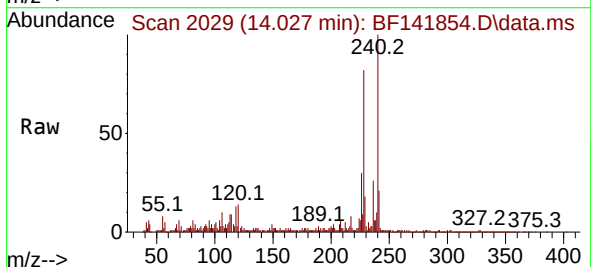
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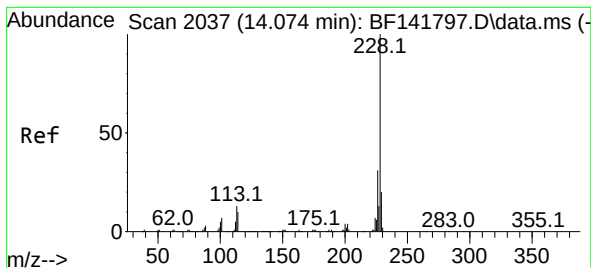
Reviewed By :Anahy Claudio 03/06/2025
 Supervised By :Jagrut Upadhyay 03/06/2025



#81
 Benzo(a)anthracene
 Concen: 6.303 ng m
 RT: 14.027 min Scan# 2029
 Delta R.T. -0.012 min
 Lab File: BF141854.D
 Acq: 05 Mar 2025 20:20

Tgt Ion:228 Resp: 152917
 Ion Ratio Lower Upper
 228 100
 226 36.0 22.1 33.1#
 229 21.6 16.1 24.1





#83

Chrysene

Concen: 5.169 ng

RT: 14.063 min Scan# 2037

Delta R.T. -0.012 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

Instrument :

BNA_F

ClientSampleId :

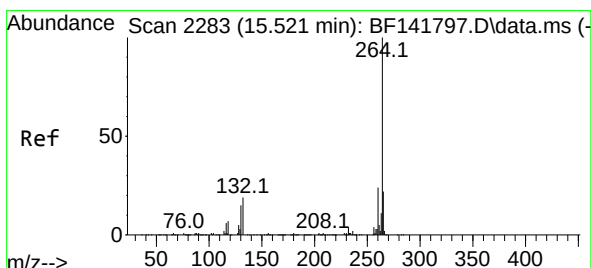
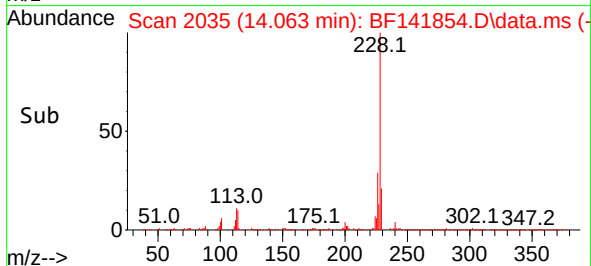
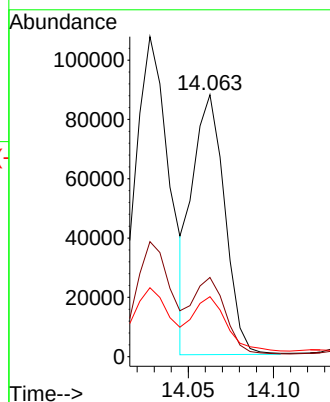
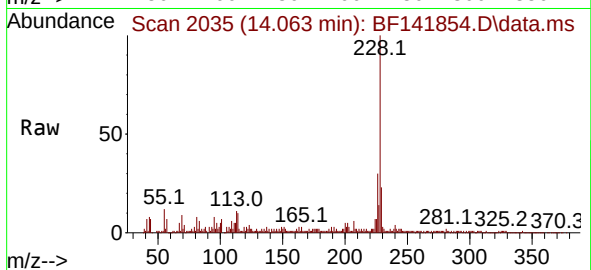
TP-2

Tgt Ion:228 Resp: 115600
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.6 37.0
 229 22.9 16.1 24.1

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



#86

Perylene-d12

Concen: 20.000 ng

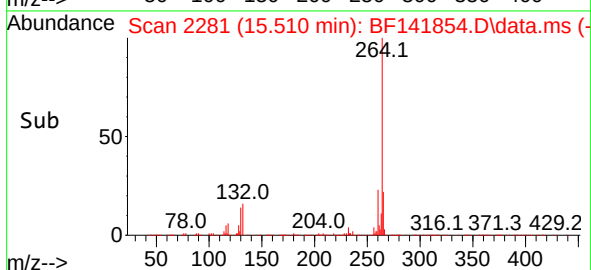
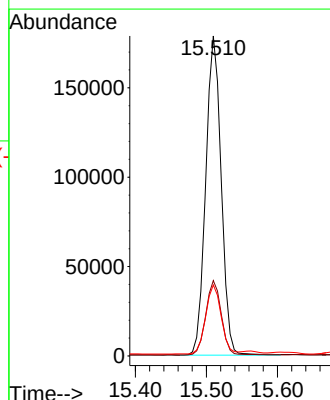
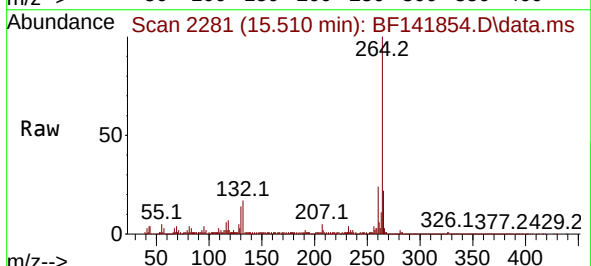
RT: 15.510 min Scan# 2281

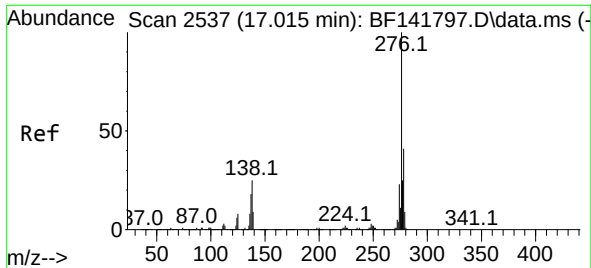
Delta R.T. -0.012 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

Tgt Ion:264 Resp: 271070
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.9 28.3
 265 22.2 17.4 26.0





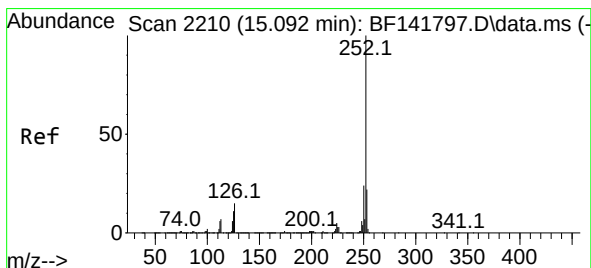
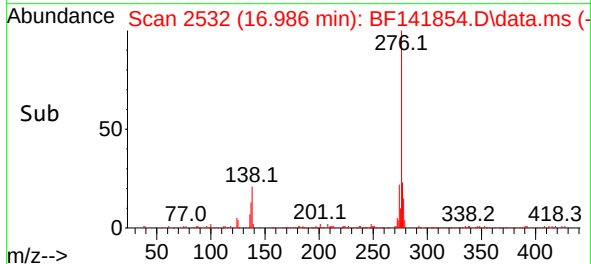
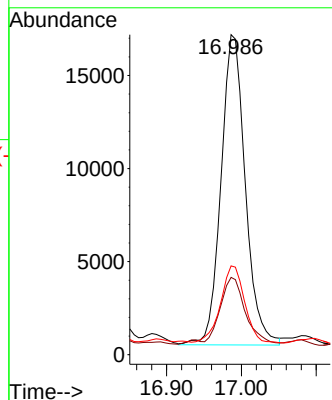
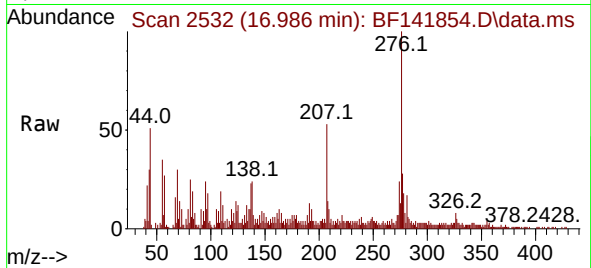
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.183 ng m
RT: 16.986 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

Instrument :
BNA_F
ClientSampleId :
TP-2

Tgt Ion:276 Resp: 3767
Ion Ratio Lower Upper
276 100
138 4.6 22.5 33.7
277 4.9 20.3 30.5

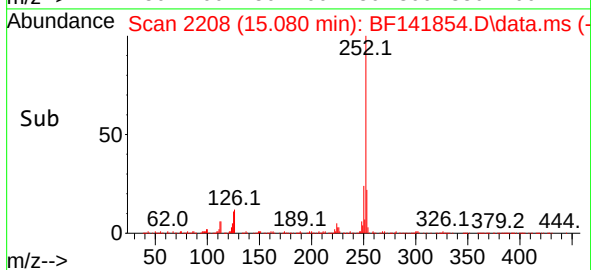
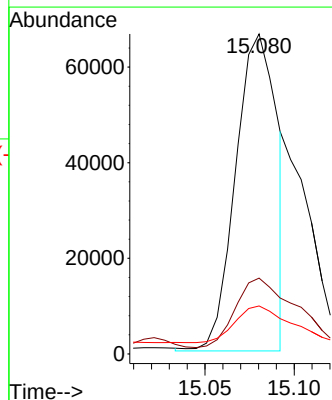
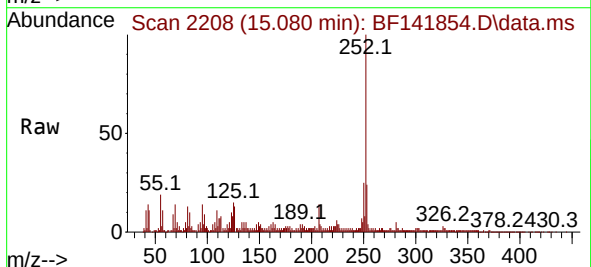
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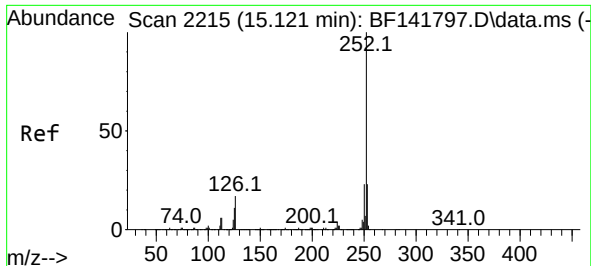
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#88
Benzo(b)fluoranthene
Concen: 5.839 ng m
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

Tgt Ion:252 Resp: 107818
Ion Ratio Lower Upper
252 100
253 23.7 17.7 26.5
125 15.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 2.816 ng m

RT: 15.092 min Scan# 2215

Delta R.T. -0.029 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

Instrument :

BNA_F

ClientSampleId :

TP-2

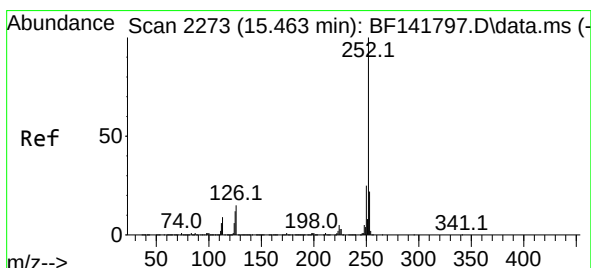
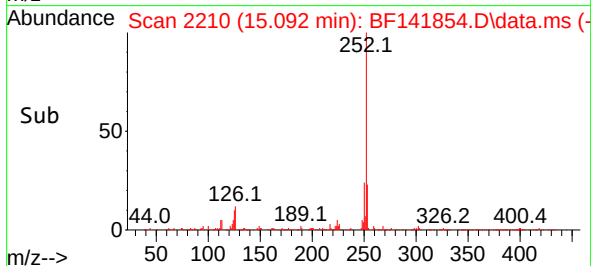
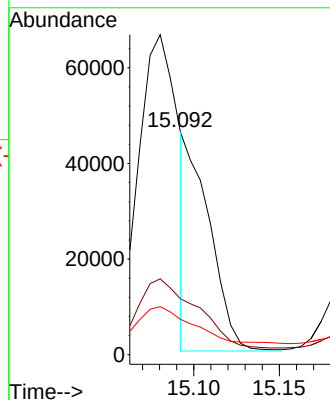
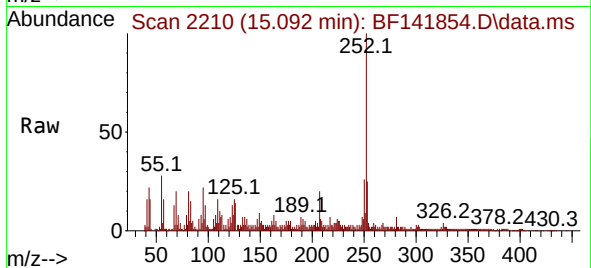
Tgt Ion:252 Resp: 44190
 Ion Ratio Lower Upper
 252 100
 253 25.2 17.8 26.8
 125 15.9 8.8 13.2

Manual Integrations

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Reviewed By :Anahy Claudio 03/06/2025

Supervised By :Jagrut Upadhyay 03/06/2025



#90

Benzo(a)pyrene

Concen: 4.943 ng

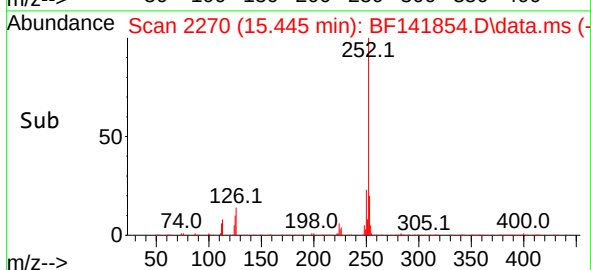
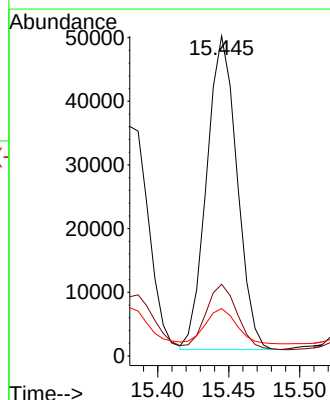
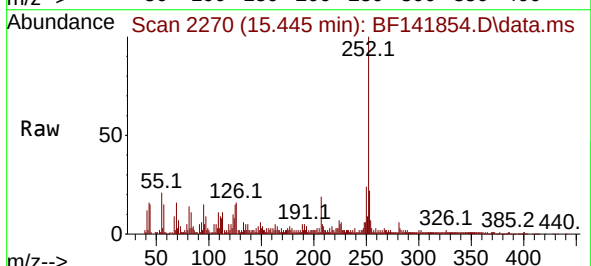
RT: 15.445 min Scan# 2270

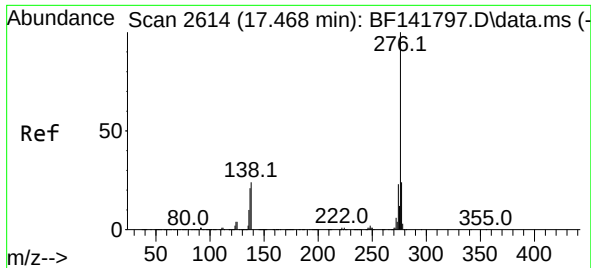
Delta R.T. -0.018 min

Lab File: BF141854.D

Acq: 05 Mar 2025 20:20

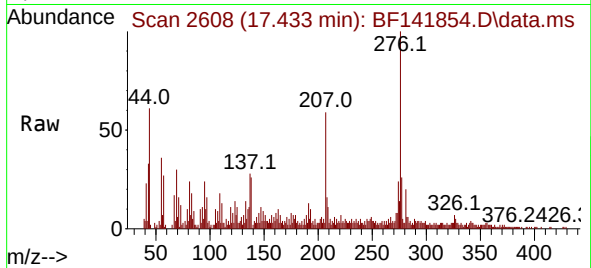
Tgt Ion:252 Resp: 73202
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.5 26.3
 125 14.8 9.4 14.2





#92
Benzo(g,h,i)perylene
Concen: 2.387 ng
RT: 17.433 min Scan# 20
Delta R.T. -0.035 min
Lab File: BF141854.D
Acq: 05 Mar 2025 20:20

Instrument :
BNA_F
ClientSampleId :
TP-2



Tgt Ion:	276	Resp:	3445
Ion Ratio	Lower	Upper	
276	100		
277	25.5	19.4	29.0
138	26.2	19.3	28.9

Manual Integrations
APPROVED

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

