

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
 Data File : BF143567.D
 Acq On : 22 Aug 2025 12:31
 Operator : RC/JU
 Sample : Q2903-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/25/2025
 Supervised By :Jagrut Upadhyay 08/25/2025

Quant Time: Aug 22 12:50:48 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.922	152	120005	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	465163	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	284812	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	508948	20.000	ng	0.00
76) Chrysene-d12	14.098	240	295318	20.000	ng	0.00
86) Perylene-d12	15.592	264	244662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	428247	62.313	ng	0.00
7) Phenol-d6	6.557	99	353912	41.717	ng	-0.02
23) Nitrobenzene-d5	7.487	82	759783	95.315	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	420651	158.665	ng	0.00
45) 2-Fluorobiphenyl	9.281	172	1397297	81.081	ng	0.00
79) Terphenyl-d14	13.039	244	1715245	101.354	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.228	128	725356	32.480	ng	99
38) 1-Methylnaphthalene	9.022	142	859531	60.244	ng	100
46) 1,1'-Biphenyl	9.381	154	180671	8.937	ng	99
49) Acenaphthylene	9.822	152	327928	14.439	ng	98
52) Acenaphthene	9.992	154	184032	11.935	ng	99
58) Fluorene	10.510	166	49098m	2.902	ng	
71) Phenanthrene	11.475	178	383797	14.082	ng	99
72) Anthracene	11.528	178	75345	2.729	ng	99

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

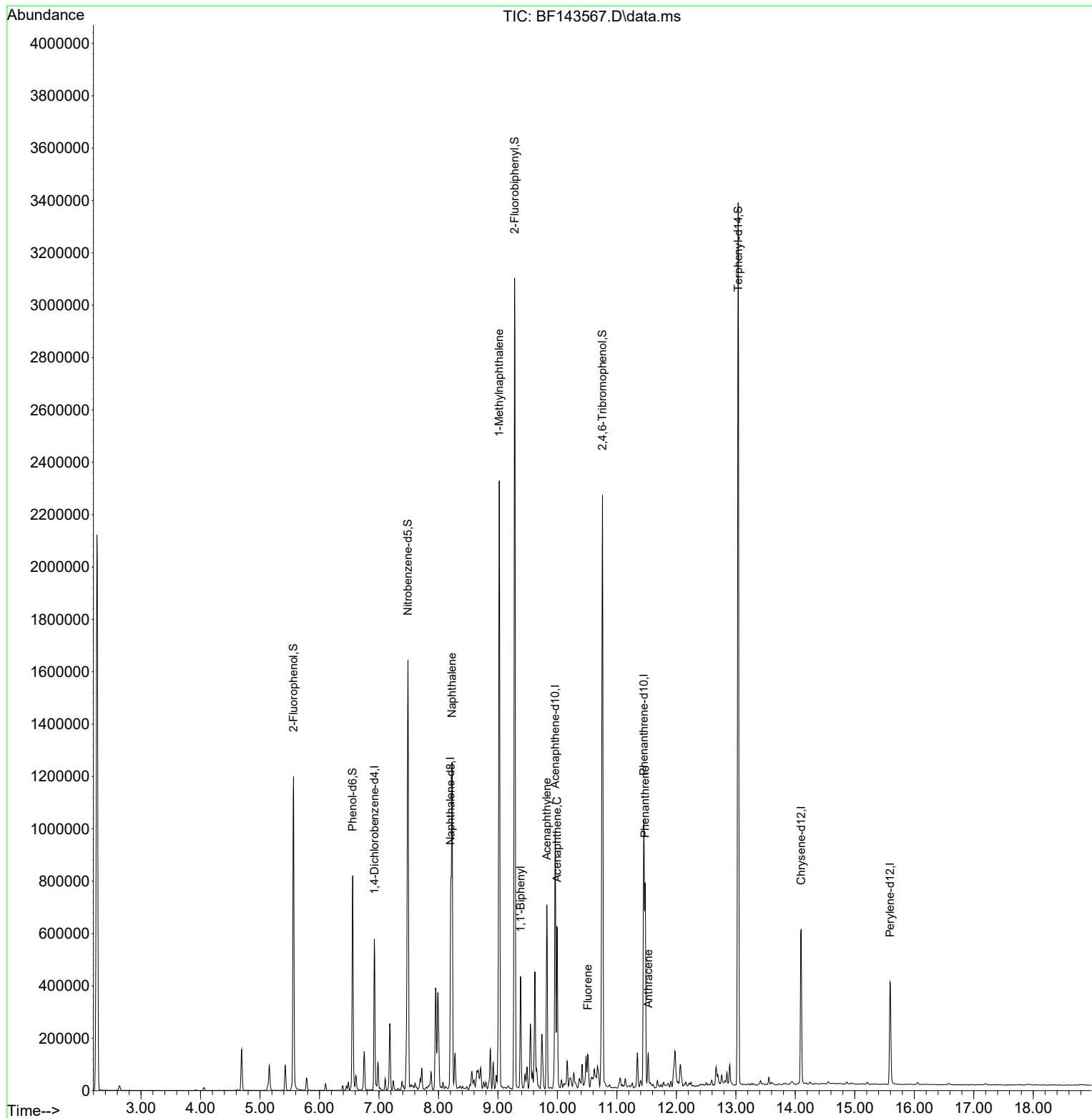
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082225\
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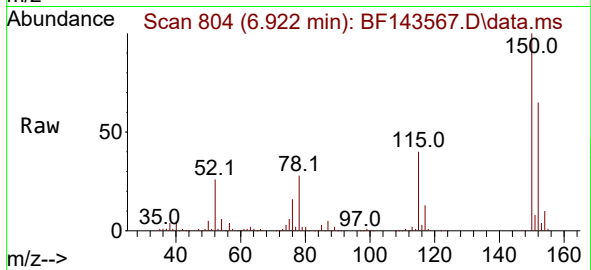
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

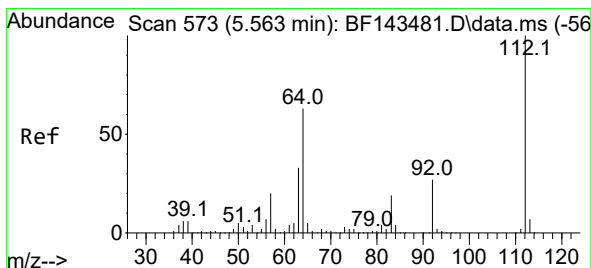
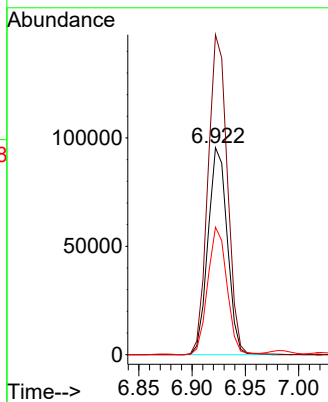
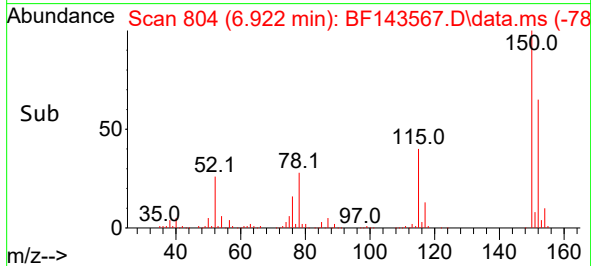
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925



Tgt Ion:152 Resp: 120000
Ion Ratio Lower Upper
152 100
150 154.5 128.9 193.3
115 61.6 49.2 73.8

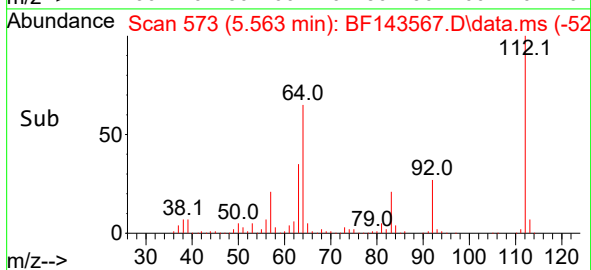
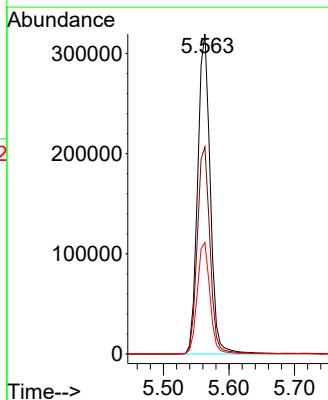
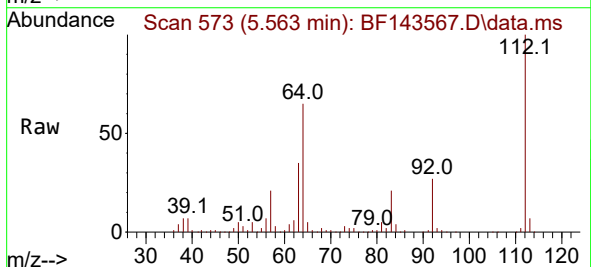
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Supervised By :Jagrut Upadhyay 08/25/2025



#5
2-Fluorophenol
Concen: 62.313 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

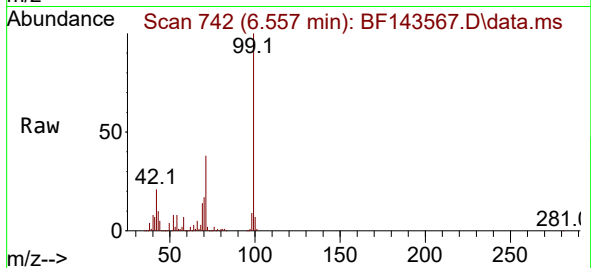
Tgt Ion:112 Resp: 428247
Ion Ratio Lower Upper
112 100
64 64.7 50.4 75.6
63 34.8 26.4 39.6





#7
Phenol-d6
Concen: 41.717 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

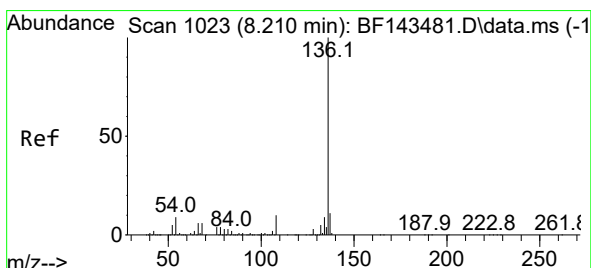
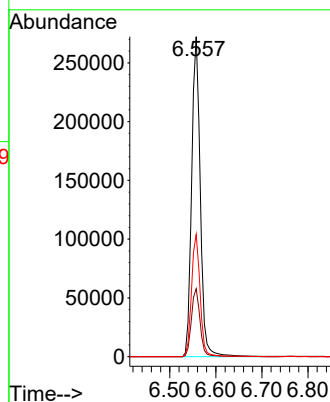
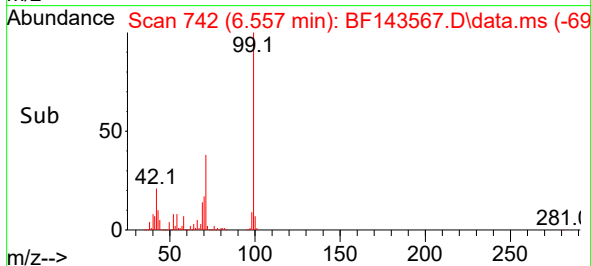
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925



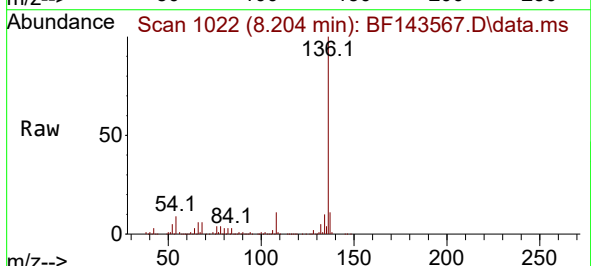
Tgt Ion: 99 Resp: 353912
Ion Ratio Lower Upper
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42 21.3 16.3 24.5
71 38.2 28.2 42.2

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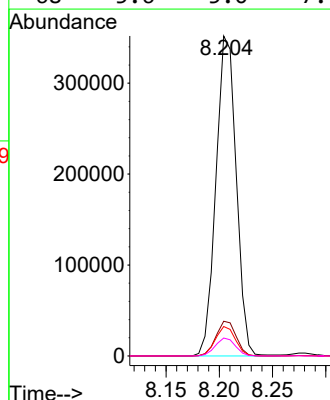
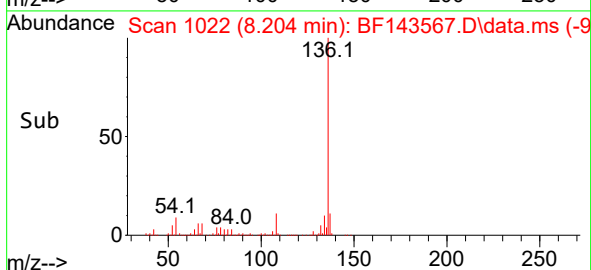
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

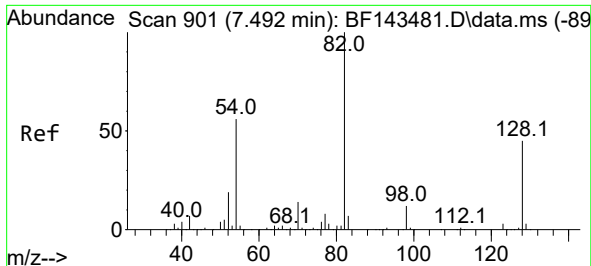


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31



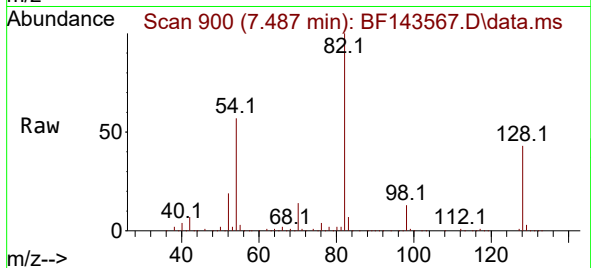
Tgt Ion:136 Resp: 465163
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 9.2 7.4 11.2
68 5.6 5.0 7.4





#23
Nitrobenzene-d5
Concen: 95.315 ng
RT: 7.487 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

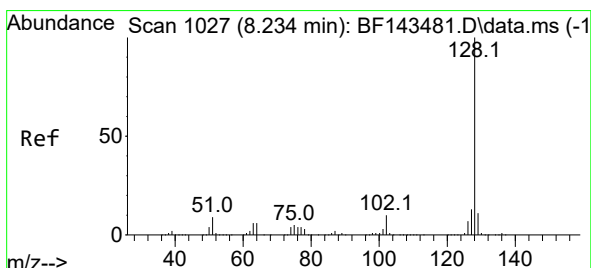
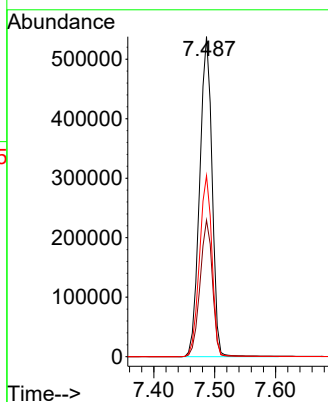
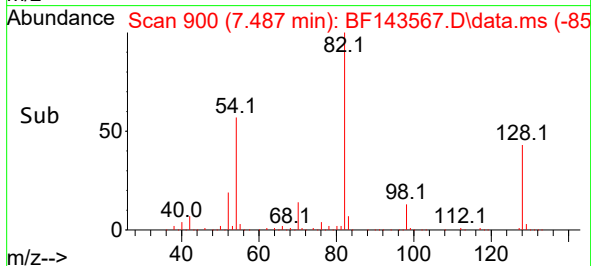
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925



Tgt Ion: 82 Resp: 75978
Ion Ratio Lower Upper
82 100
128 42.7 35.5 53.3
54 56.5 44.3 66.5

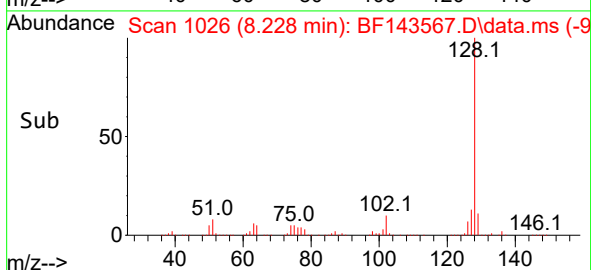
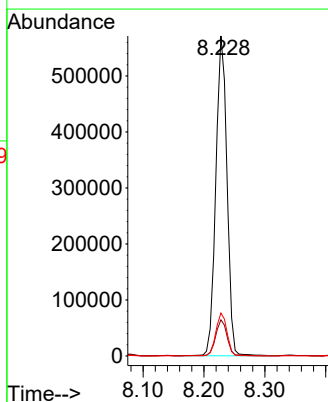
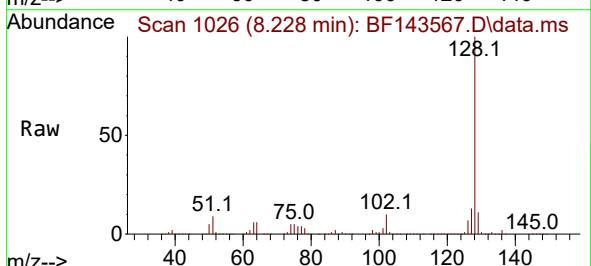
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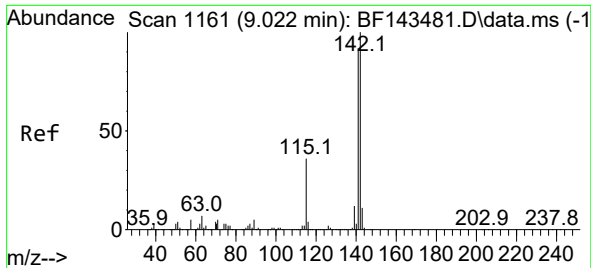
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025



#31
Naphthalene
Concen: 32.480 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Tgt Ion:128 Resp: 725356
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.4 10.6 16.0





#38
1-Methylnaphthalene
Concen: 60.244 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

Instrument :

BNA_F

ClientSampleId :

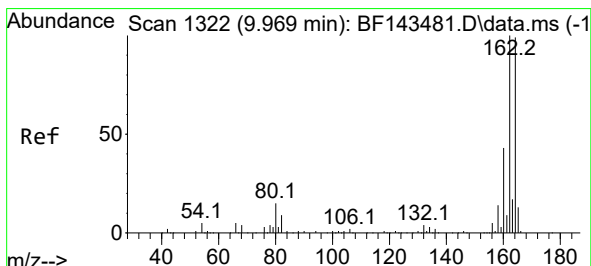
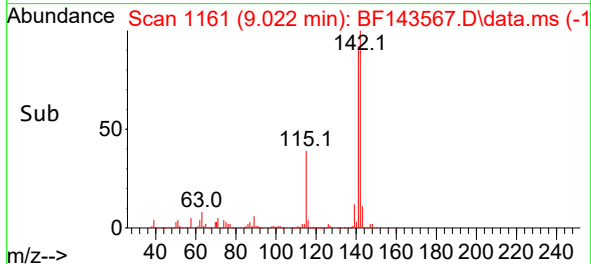
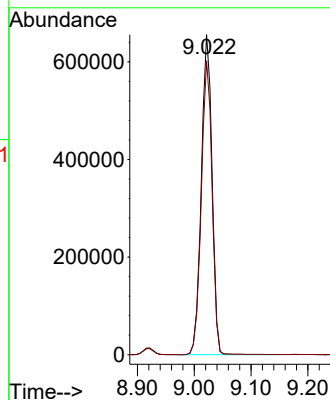
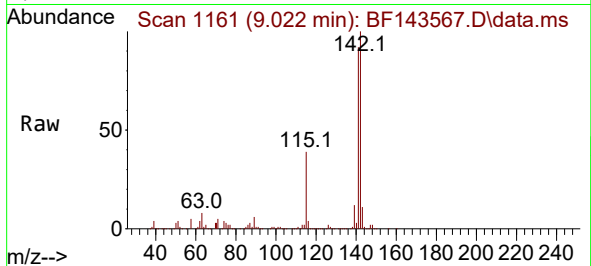
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Tgt Ion:142 Resp: 85953
Ion Ratio Lower Upper
142 100
141 91.8 73.3 109.9

Manual Integrations

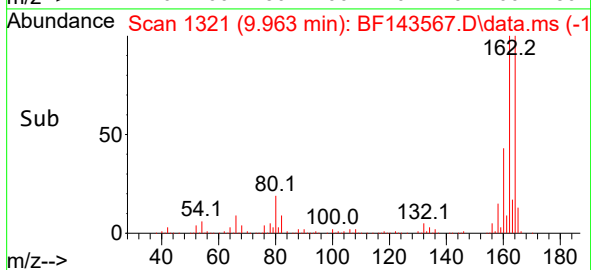
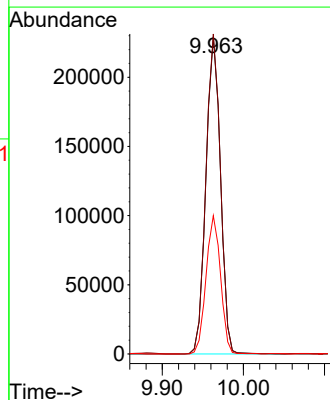
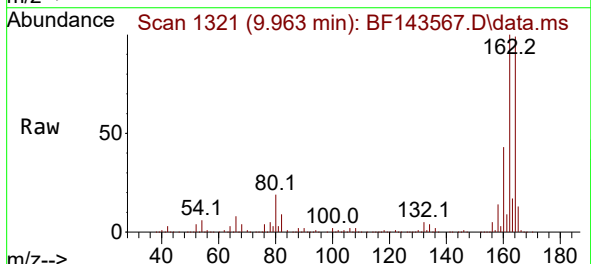
APPROVED

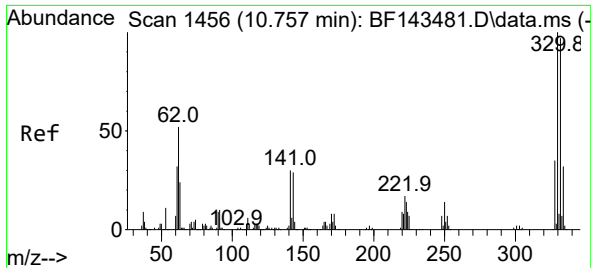
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

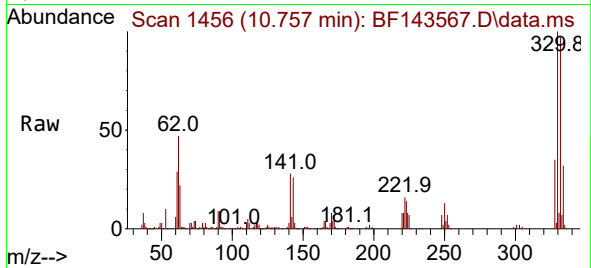
Tgt Ion:164 Resp: 284812
Ion Ratio Lower Upper
164 100
162 100.8 80.5 120.7
160 43.6 34.3 51.5





#42
2,4,6-Tribromophenol
Concen: 158.665 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

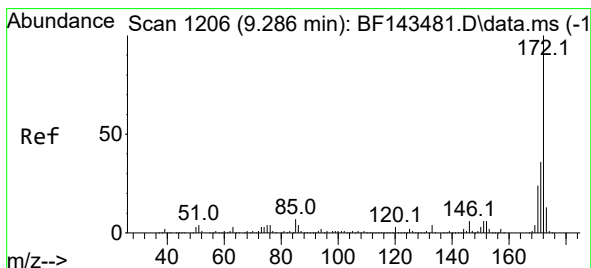
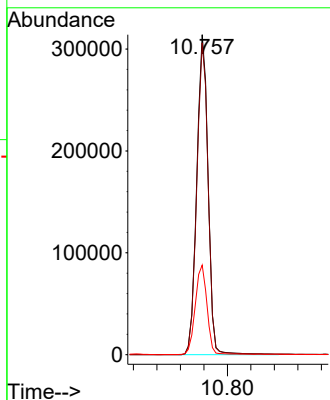
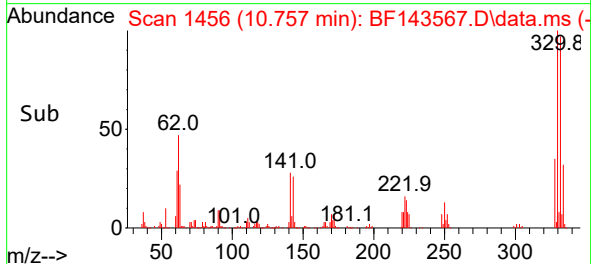
Instrument :
BNA_F
ClientSampleId :
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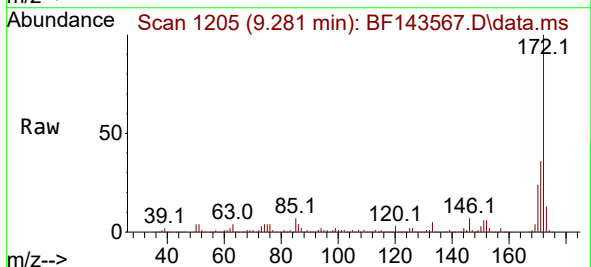
Tgt Ion:330 Resp: 42065
Ion Ratio Lower Upper
330 100
332 97.9 78.0 117.0
141 29.2 23.7 35.5

Manual Integrations
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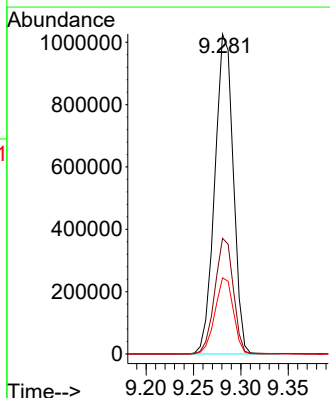
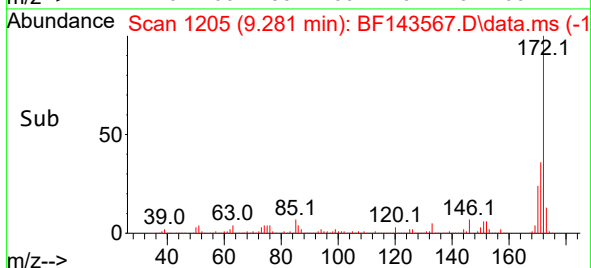
Reviewed By :Rahul Chavli 08/25/2025
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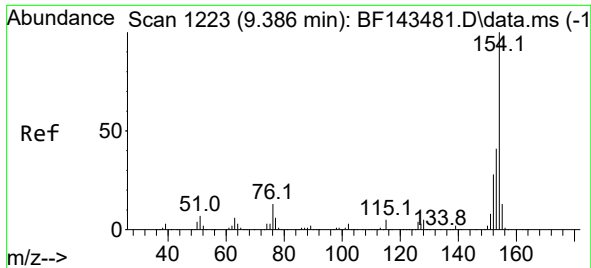


#45
2-Fluorobiphenyl
Concen: 81.081 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31



Tgt Ion:172 Resp: 1397297
Ion Ratio Lower Upper
172 100
171 36.1 28.8 43.2
170 23.8 18.8 28.2





#46

1,1'-Biphenyl

Concen: 8.937 ng

RT: 9.381 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF143567.D

Acq: 22 Aug 2025 12:31

Instrument :

BNA_F

ClientSampleId :

MW-1C-081925

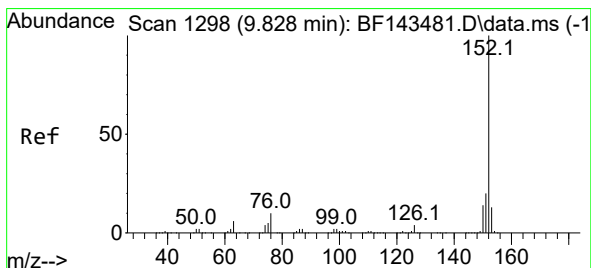
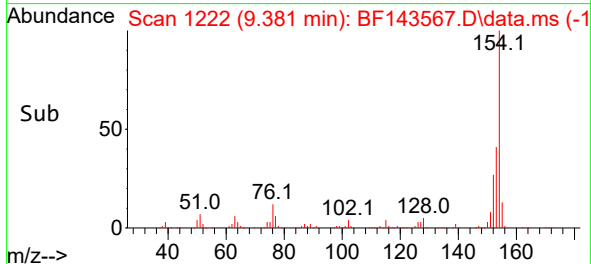
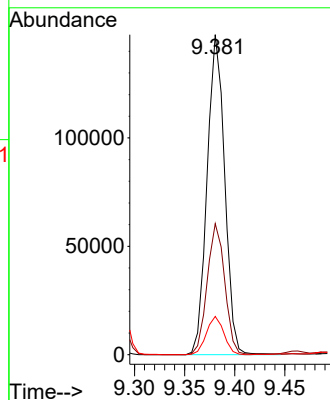
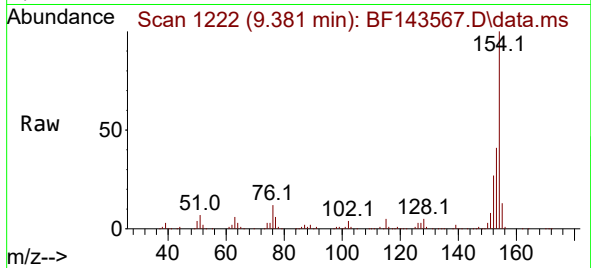
Tgt Ion:154 Resp: 180672
 Ion Ratio Lower Upper
 154 100
 153 41.0 20.6 60.6
 76 12.0 0.0 33.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/25/2025



#49

Acenaphthylene

Concen: 14.439 ng

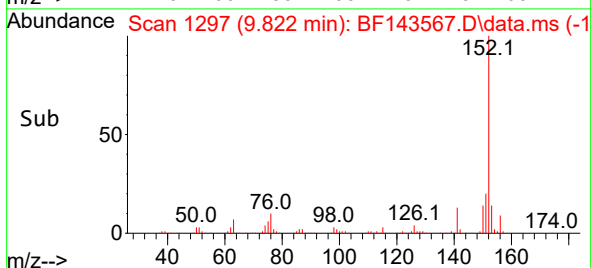
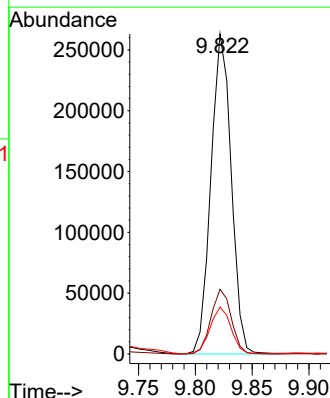
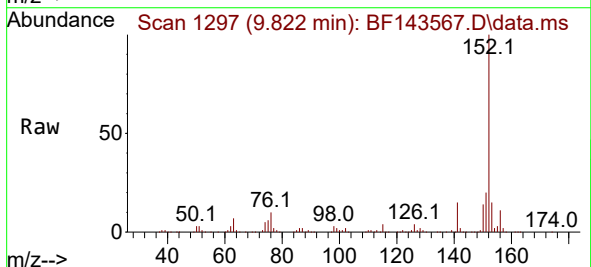
RT: 9.822 min Scan# 1297

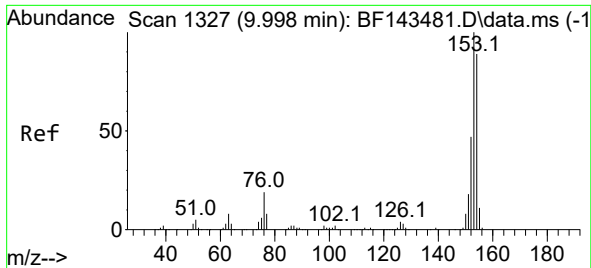
Delta R.T. -0.006 min

Lab File: BF143567.D

Acq: 22 Aug 2025 12:31

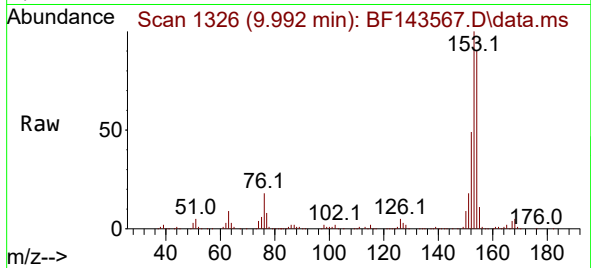
Tgt Ion:152 Resp: 327928
 Ion Ratio Lower Upper
 152 100
 151 20.2 16.2 24.4
 153 14.6 10.6 15.8





#52
Acenaphthene
Concen: 11.935 ng
RT: 9.992 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

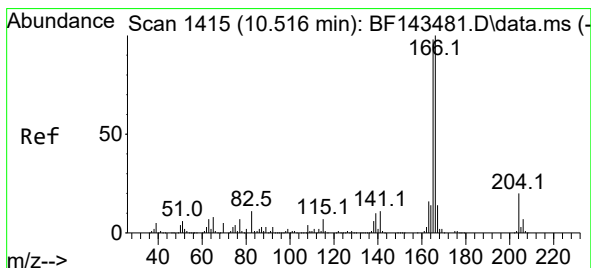
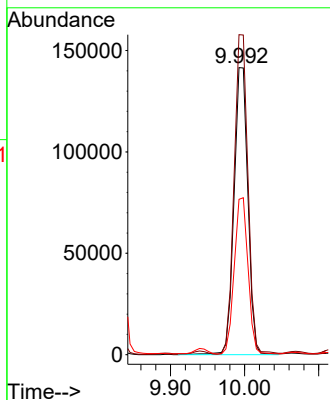
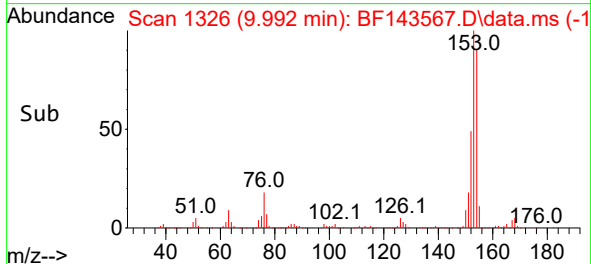
Instrument :
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ClientSampleId :
MW-1C-081925



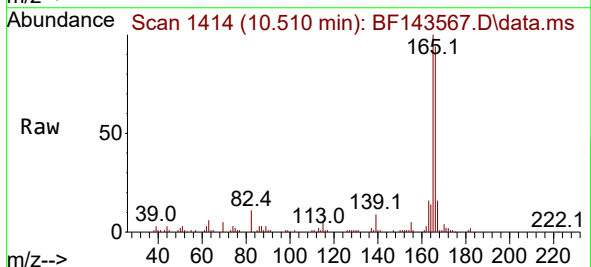
Tgt Ion:154 Resp: 18403
Ion Ratio Lower Upper
154 100
153 111.5 89.5 134.3
152 54.2 42.5 63.7

Manual Integrations
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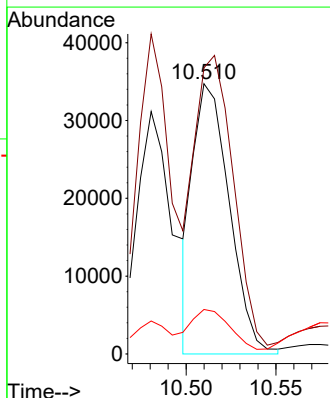
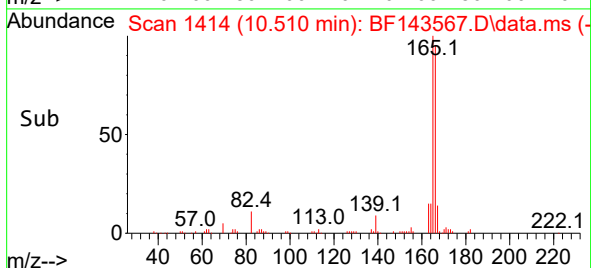
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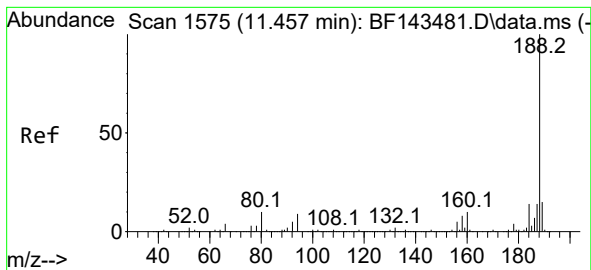


#58
Fluorene
Concen: 2.902 ng m
RT: 10.510 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31



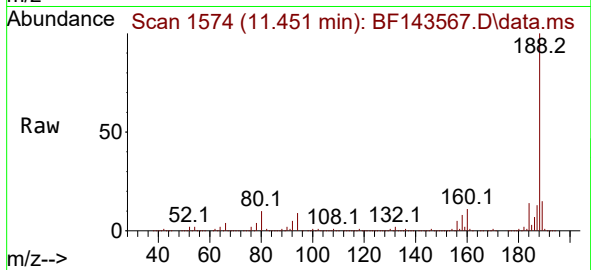
Tgt Ion:166 Resp: 49098
Ion Ratio Lower Upper
166 100
165 105.9 78.3 117.5
167 16.5 11.0 16.4#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31

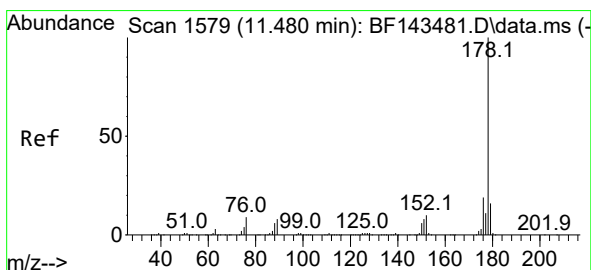
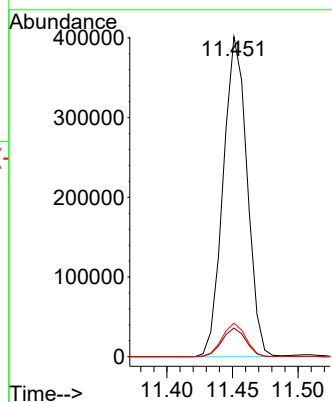
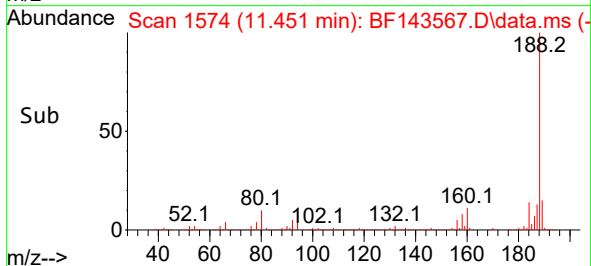
Instrument :
BNA_F
ClientSampleId :
MW-1C-081925



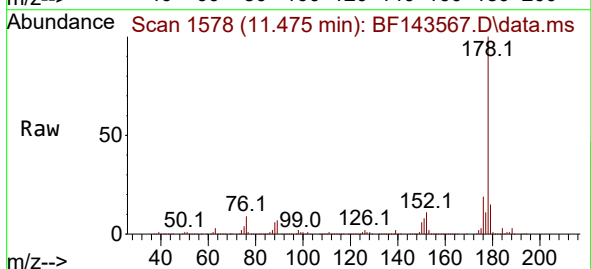
Tgt Ion:188 Resp: 508948
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.2
80 10.4 8.2 12.4

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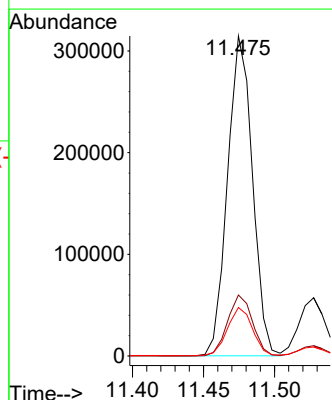
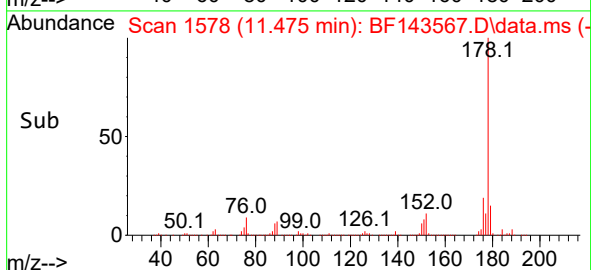
Reviewed By :Rahul Chavli 08/25/2025
Supervised By :Jagrut Upadhyay 08/25/2025

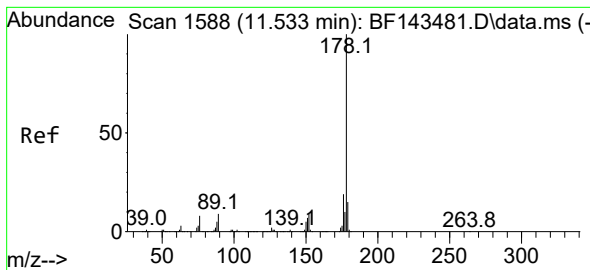


#71
Phenanthrene
Concen: 14.082 ng
RT: 11.475 min Scan# 1578
Delta R.T. -0.006 min
Lab File: BF143567.D
Acq: 22 Aug 2025 12:31



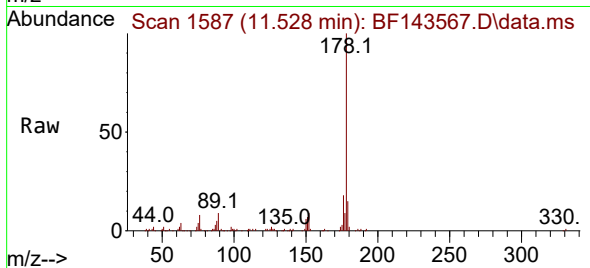
Tgt Ion:178 Resp: 383797
Ion Ratio Lower Upper
178 100
176 19.1 15.5 23.3
179 15.1 12.5 18.7





#72
 Anthracene
 Concen: 2.729 ng
 RT: 11.528 min Scan# 1587
 Delta R.T. -0.006 min
 Lab File: BF143567.D
 Acq: 22 Aug 2025 12:31

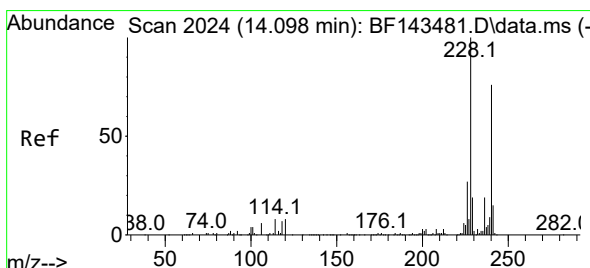
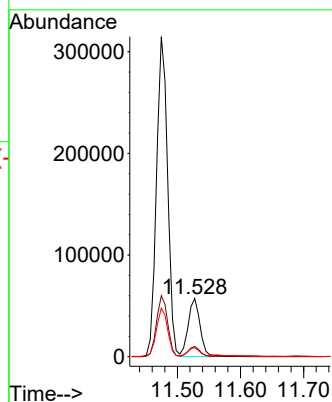
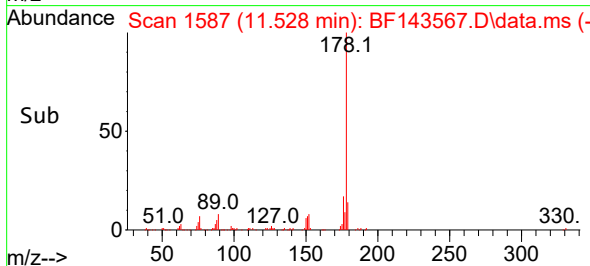
Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925



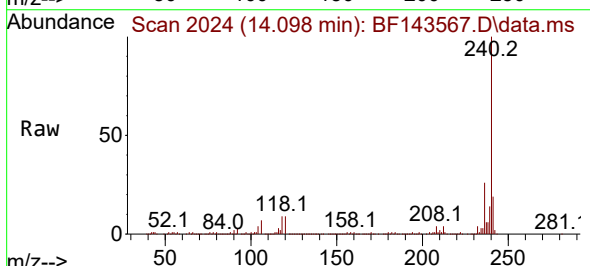
Tgt Ion:178 Resp: 75345
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.0 22.4
 179 15.4 12.3 18.5

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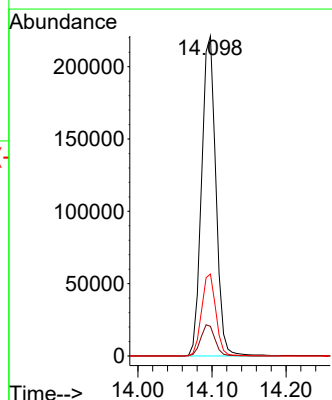
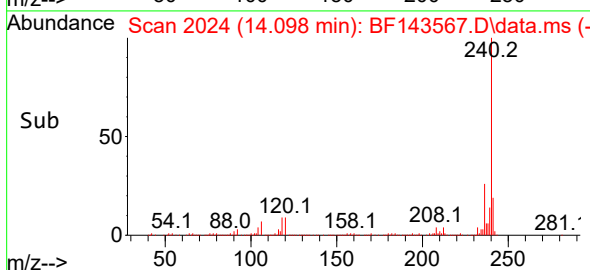
Reviewed By :Rahul Chavli 08/25/2025
 Supervised By :Jagrut Upadhyay 08/25/2025

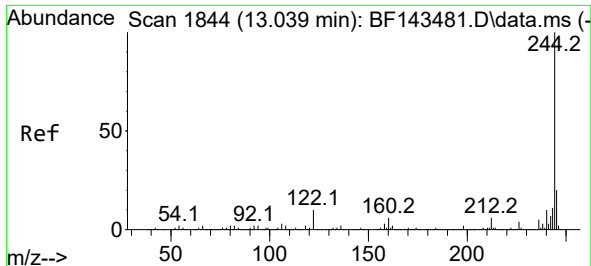


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.098 min Scan# 2024
 Delta R.T. -0.006 min
 Lab File: BF143567.D
 Acq: 22 Aug 2025 12:31



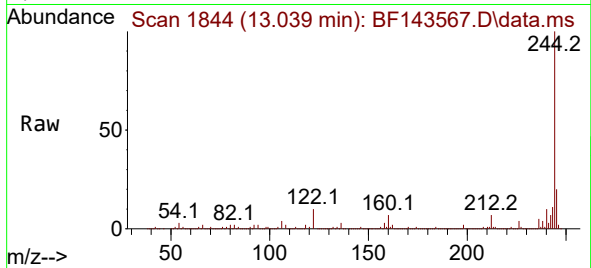
Tgt Ion:240 Resp: 295318
 Ion Ratio Lower Upper
 240 100
 120 9.3 8.6 12.8
 236 25.6 20.4 30.6





#79
 Terphenyl-d14
 Concen: 101.354 ng
 RT: 13.039 min Scan# 1844
 Delta R.T. 0.000 min
 Lab File: BF143567.D
 Acq: 22 Aug 2025 12:31

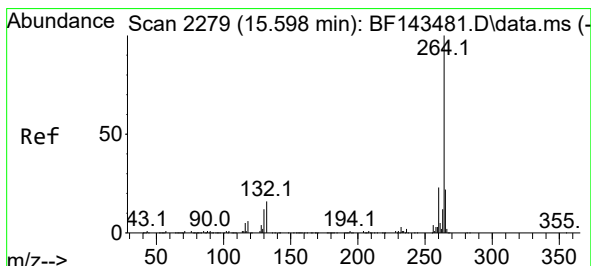
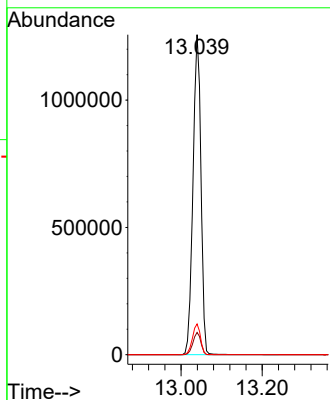
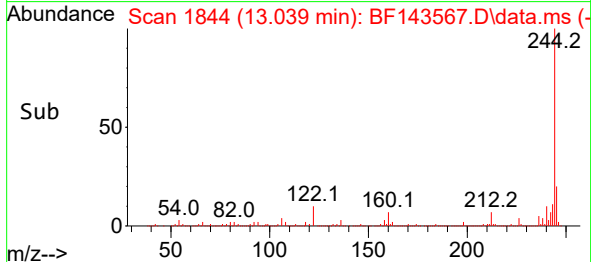
Instrument :
 BNA_F
 ClientSampleId :
 MW-1C-081925



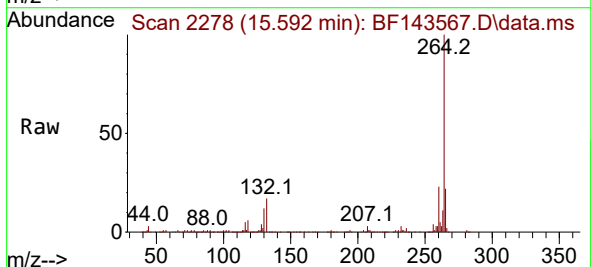
Tgt Ion:244 Resp: 1715245
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.2 7.8
 122 9.6 7.9 11.9

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/25/2025
 Supervised By :Jagrut Upadhyay 08/25/2025



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.592 min Scan# 2278
 Delta R.T. -0.006 min
 Lab File: BF143567.D
 Acq: 22 Aug 2025 12:31



Tgt Ion:264 Resp: 244662
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.7 17.6 26.4

