

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
 Data File : BF143442.D
 Acq On : 18 Aug 2025 15:34
 Operator : RC/JU
 Sample : Q2844-02 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0224-0225

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/19/2025
 Supervised By :Jagrut Upadhyay 08/19/2025

Quant Time: Aug 18 17:53:57 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 18 04:40:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	85664	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	298375	20.000	ng	# 0.00
39) Acenaphthene-d10	9.981	164	130484	20.000	ng	0.02
64) Phenanthrene-d10	11.510	188	92851	20.000	ng	# 0.06
76) Chrysene-d12	14.139	240	218116	20.000	ng	# 0.05
86) Perylene-d12	15.592	264	217734	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	106080	21.526	ng	0.00
7) Phenol-d6	6.557	99	141246	22.744	ng	0.00
23) Nitrobenzene-d5	7.481	82	82149	16.337	ng	0.00
42) 2,4,6-Tribromophenol	10.781	330	29191	25.134	ng	0.03
45) 2-Fluorobiphenyl	9.281	172	158842	20.475	ng	0.00
79) Terphenyl-d14	13.104	244	119283	9.187	ng	0.08
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.922	142	22583	2.365	ng	99
38) 1-Methylnaphthalene	9.022	142	23453	2.564	ng	83
46) 1,1'-Biphenyl	9.386	154	91452	9.975	ng	96
78) Pyrene	12.980	202	123585m	6.519	ng	
81) Benzo(a)anthracene	14.127	228	39377	2.836	ng	# 59
83) Chrysene	14.163	228	67264	5.240	ng	# 77
88) Benzo(b)fluoranthene	15.163	252	78535m	6.730	ng	
89) Benzo(k)fluoranthene	15.180	252	26953m	2.342	ng	
90) Benzo(a)pyrene	15.533	252	28344	2.550	ng	# 63

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

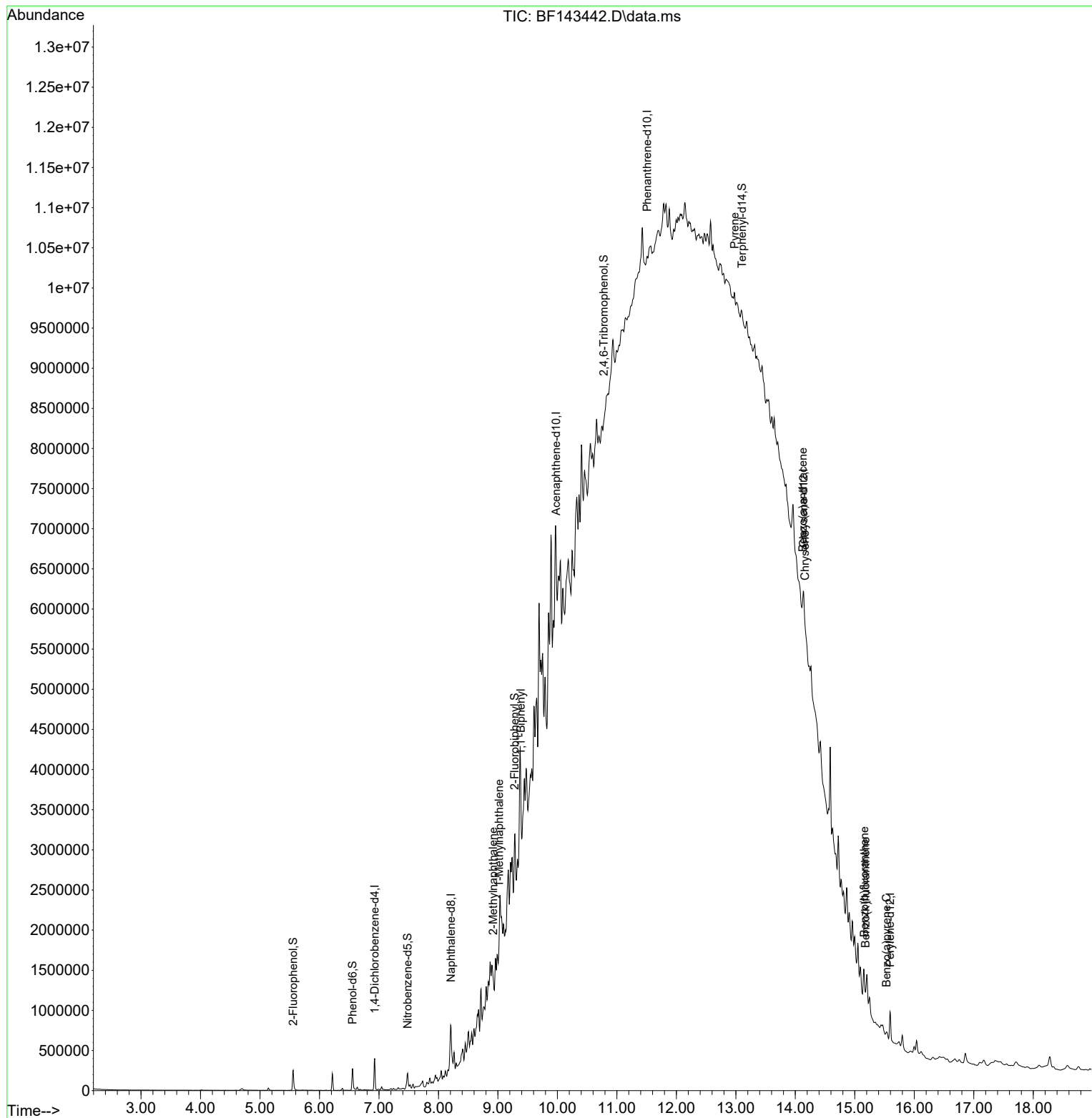
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143442.D
Acq On : 18 Aug 2025 15:34
Operator : RC/JU
Sample : Q2844-02 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

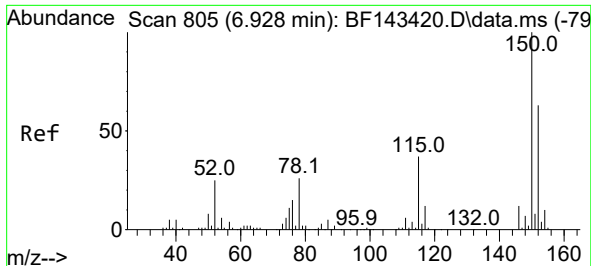
Instrument :
BNA_F
ClientSampleId :
MOO-25-0224-0225

Quant Time: Aug 18 17:53:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

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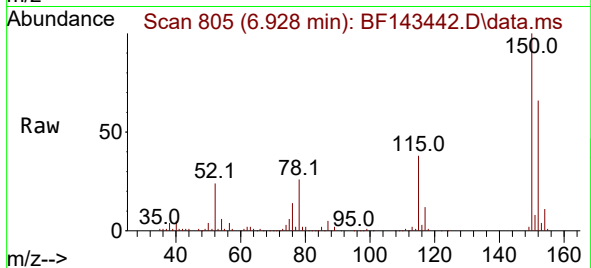
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 805
Delta R.T. -0.000 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

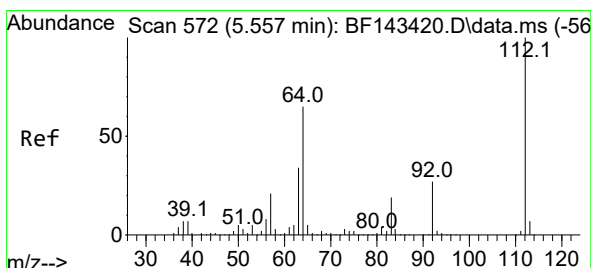
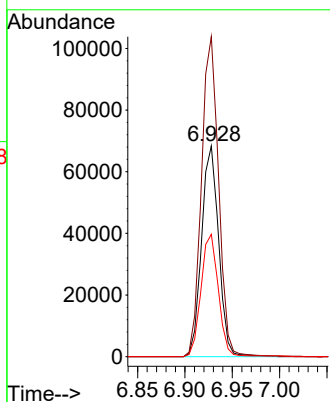
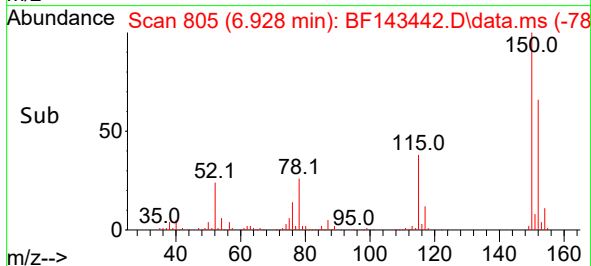
Instrument :
BNA_F
ClientSampleId :
MOO-25-0224-0225



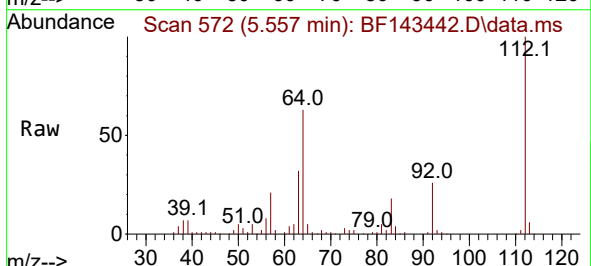
Tgt Ion:152 Resp: 85664
Ion Ratio Lower Upper
152 100
150 151.9 127.4 191.2
115 58.1 47.5 71.3

Manual Integrations
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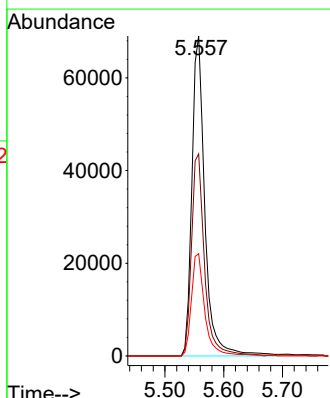
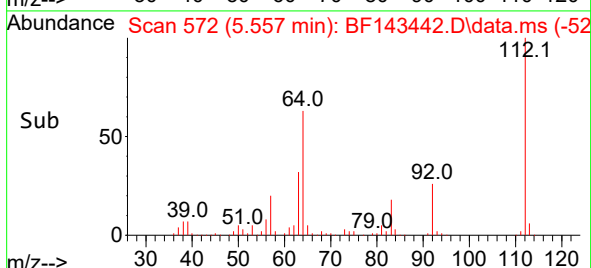
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

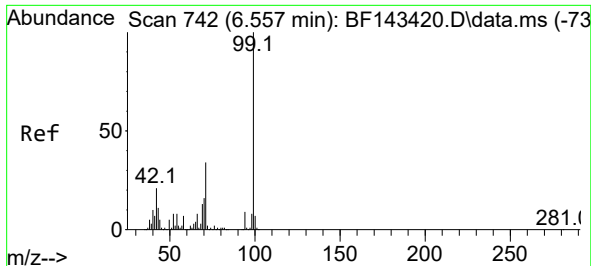


#5
2-Fluorophenol
Concen: 21.526 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34



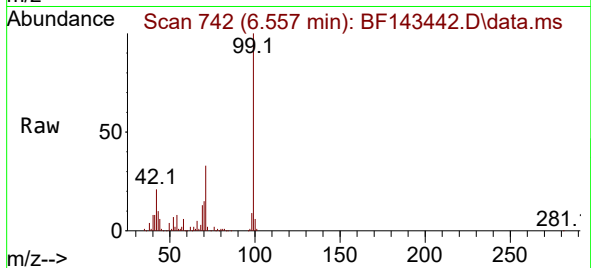
Tgt Ion:112 Resp: 106080
Ion Ratio Lower Upper
112 100
64 63.1 52.2 78.2
63 32.0 27.0 40.6





#7
Phenol-d6
Concen: 22.744 ng
RT: 6.557 min Scan# 742
Delta R.T. -0.000 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

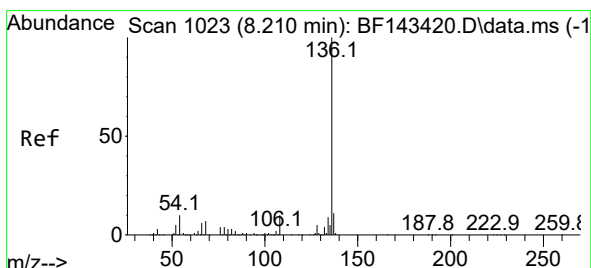
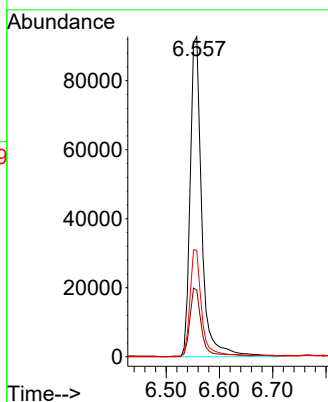
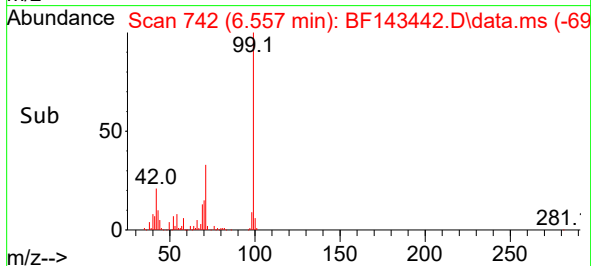
Instrument :
BNA_F
ClientSampleId :
MOO-25-0224-0225



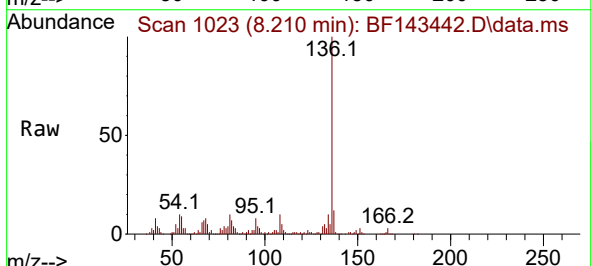
Tgt Ion: 99 Resp: 141240
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 33.2 27.4 41.2

Manual Integrations
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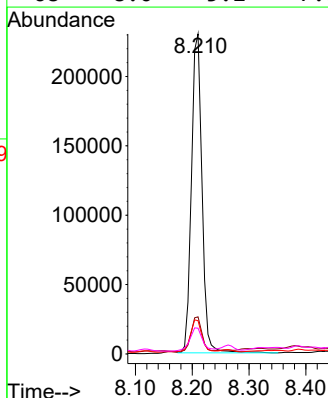
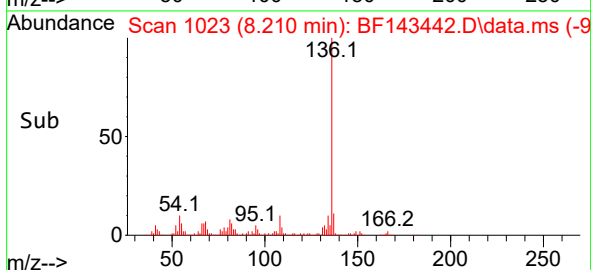
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

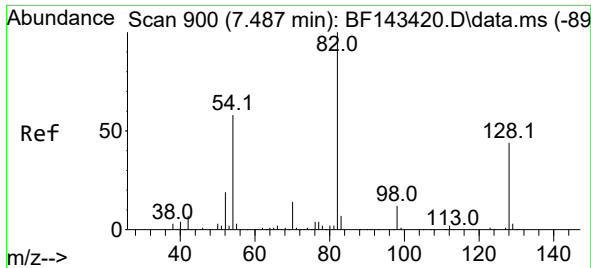


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34



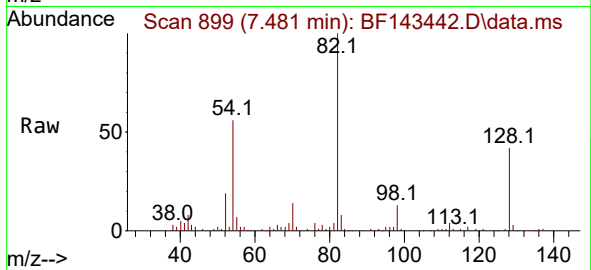
Tgt Ion:136 Resp: 298375
Ion Ratio Lower Upper
136 100
137 11.6 8.8 13.2
54 10.4 7.8 11.8
68 8.0 5.2 7.8#





#23
Nitrobenzene-d5
Concen: 16.337 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

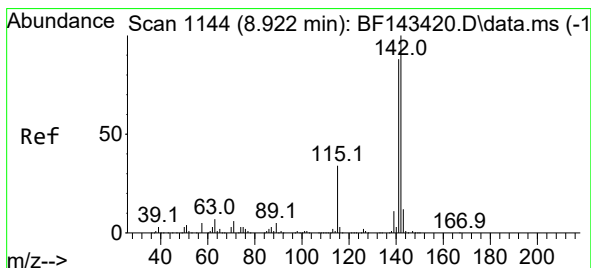
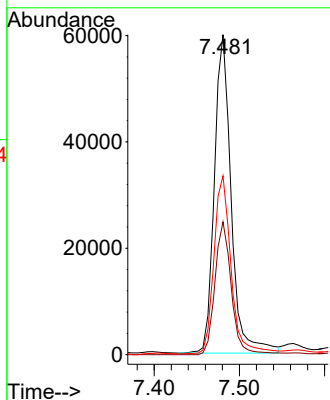
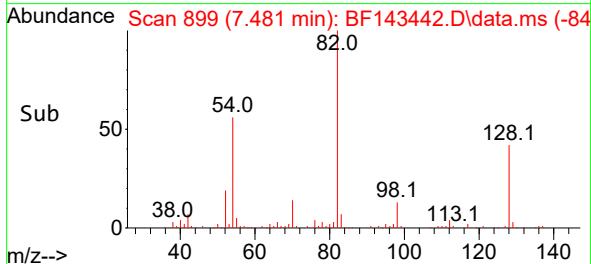
Instrument :
BNA_F
ClientSampleId :
MOO-25-0224-0225



Tgt Ion: 82 Resp: 82149
Ion Ratio Lower Upper
82 100
128 41.5 34.6 52.0
54 55.9 46.0 69.0

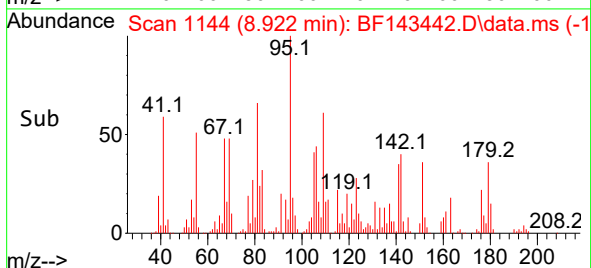
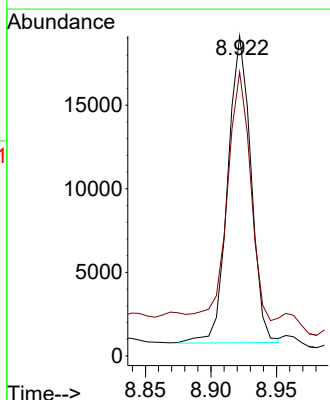
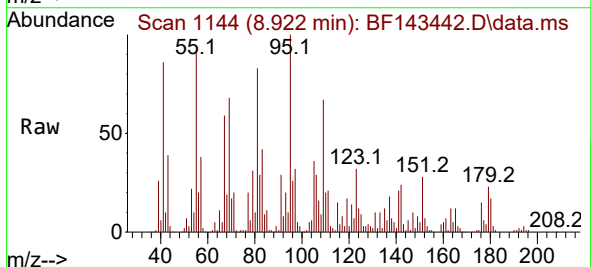
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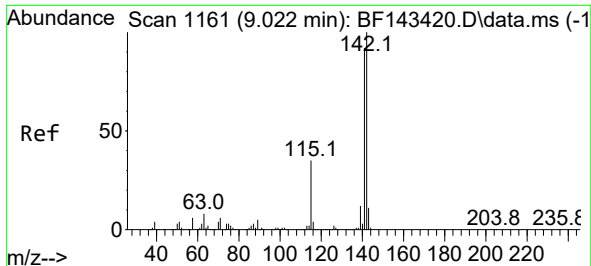
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#37
2-Methylnaphthalene
Concen: 2.365 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.000 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

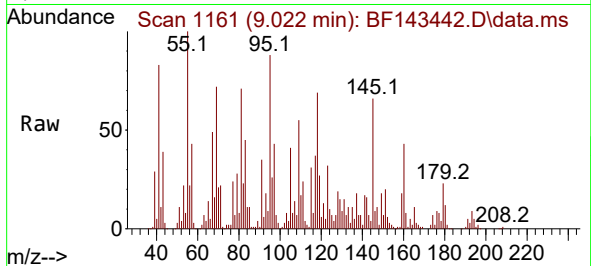
Tgt Ion:142 Resp: 22583
Ion Ratio Lower Upper
142 100
141 88.8 70.3 105.5





#38
1-Methylnaphthalene
Concen: 2.564 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

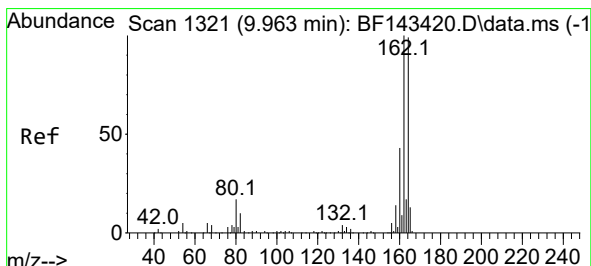
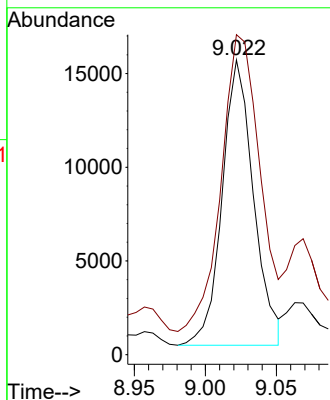
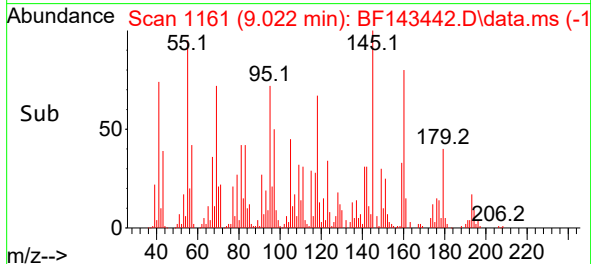
Instrument : BNA_F
ClientSampleId : MOO-25-0224-0225



Tgt Ion:142 Resp: 2345
Ion Ratio Lower Upper
142 100
141 108.6 73.8 110.6

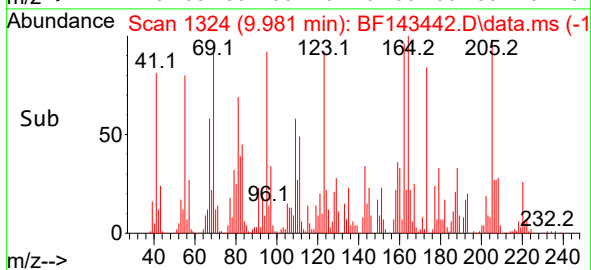
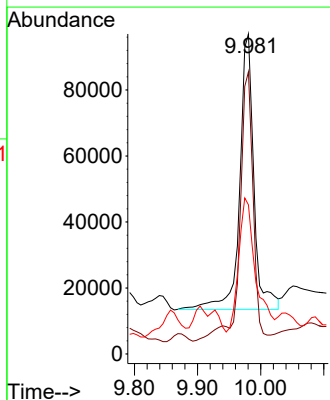
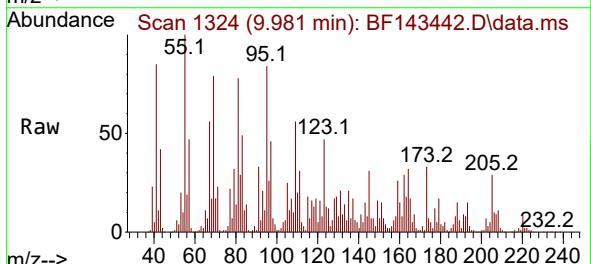
Manual Integrations
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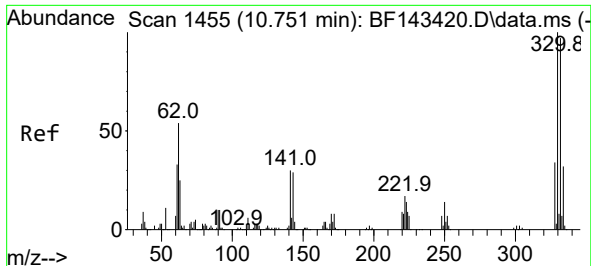
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.018 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

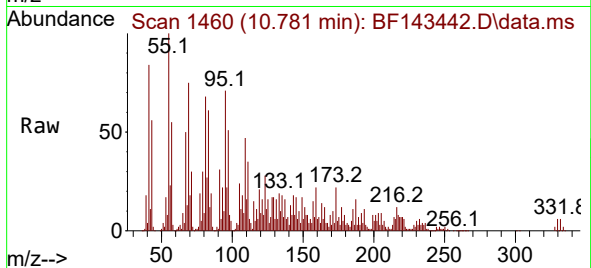
Tgt Ion:164 Resp: 130484
Ion Ratio Lower Upper
164 100
162 88.1 80.6 121.0
160 46.6 34.6 51.8





#42
2,4,6-Tribromophenol
Concen: 25.134 ng
RT: 10.781 min Scan# 1455
Delta R.T. 0.029 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

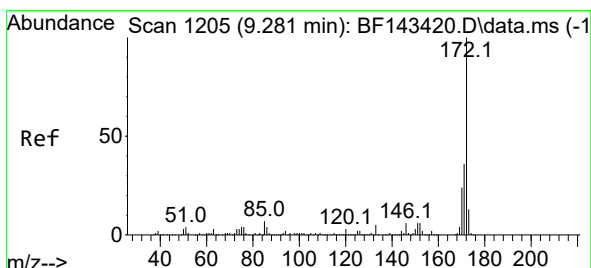
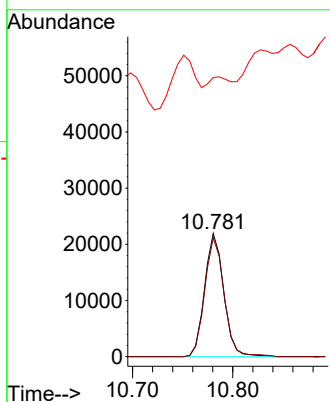
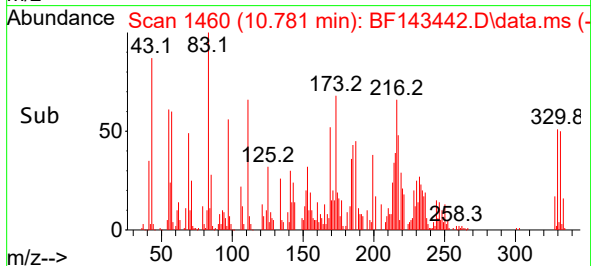
Instrument :
BNA_F
ClientSampleId :
MOO-25-0224-0225



Tgt Ion: 330 Resp: 2919
Ion Ratio Lower Upper
330 100
332 97.6 77.4 116.2
141 0.0 24.1 36.1

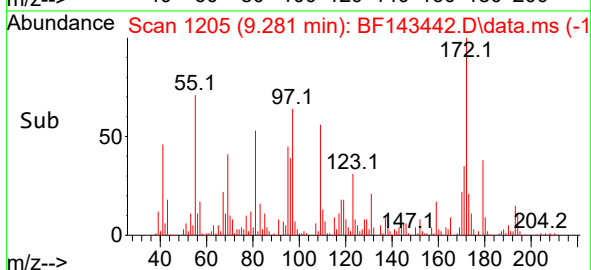
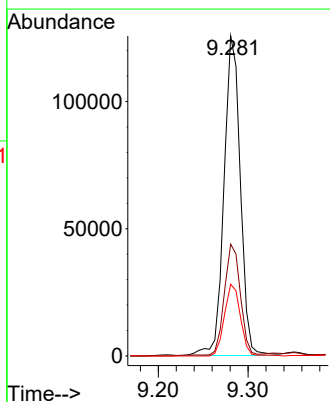
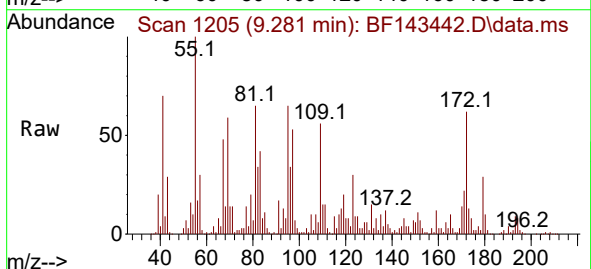
Manual Integrations
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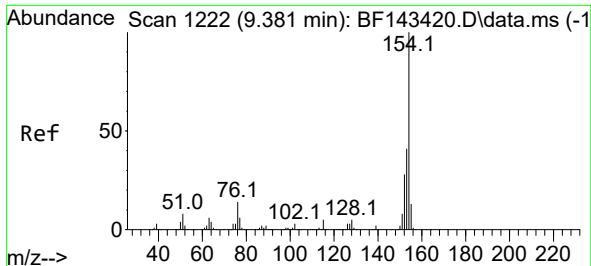
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#45
2-Fluorobiphenyl
Concen: 20.475 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.000 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

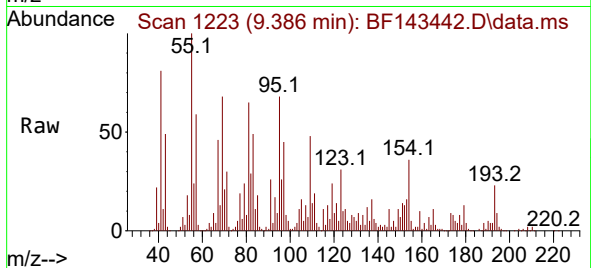
Tgt Ion: 172 Resp: 158842
Ion Ratio Lower Upper
172 100
171 35.0 28.7 43.1
170 22.4 19.0 28.6





#46
1,1'-Biphenyl
Concen: 9.975 ng
RT: 9.386 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

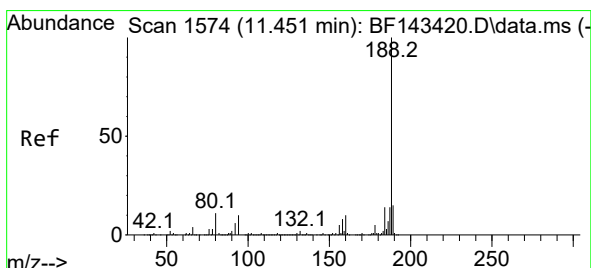
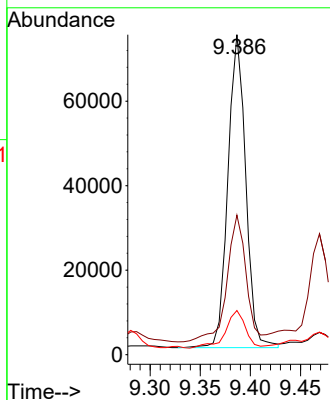
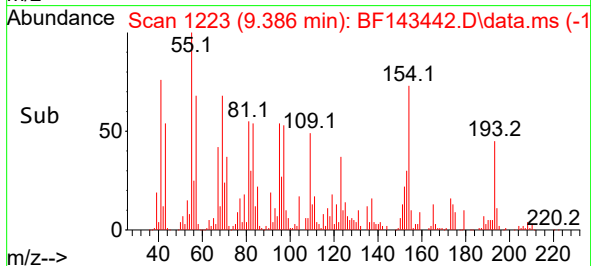
Instrument :
BNA_F
ClientSampleId :
MOO-25-0224-0225



Tgt Ion:154 Resp: 91452
Ion Ratio Lower Upper
154 100
153 43.6 20.6 60.6
76 13.8 0.0 33.8

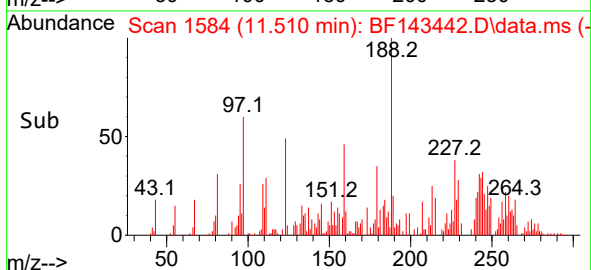
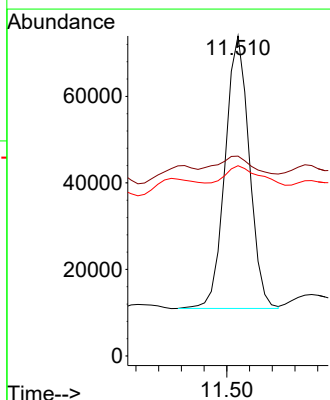
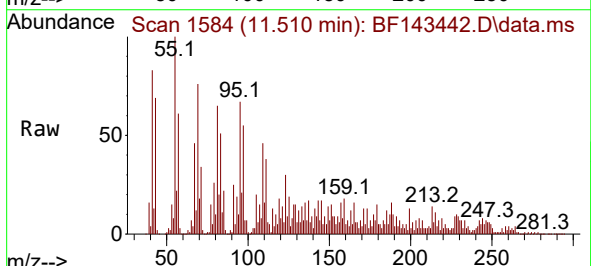
Manual Integrations
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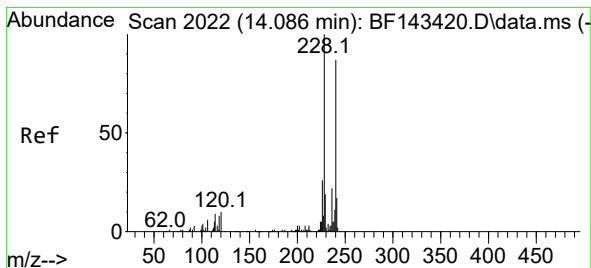
Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.059 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

Tgt Ion:188 Resp: 92851
Ion Ratio Lower Upper
188 100
94 62.5 8.0 12.0#
80 59.4 8.6 12.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.139 min Scan# 2022

Delta R.T. 0.053 min

Lab File: BF143442.D

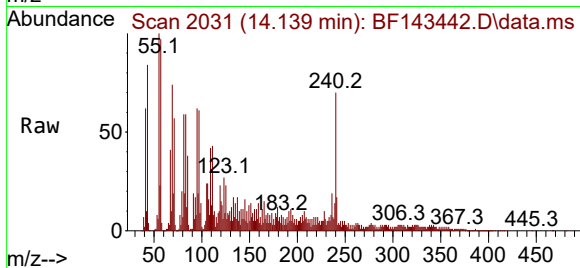
Acq: 18 Aug 2025 15:34

Instrument :

BNA_F

ClientSampleId :

MOO-25-0224-0225



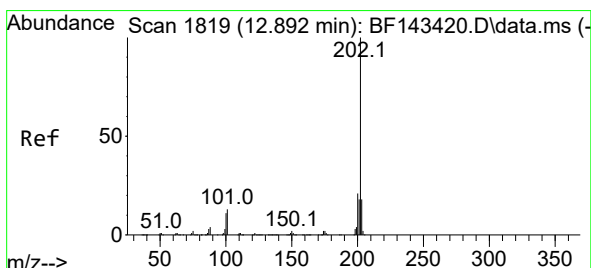
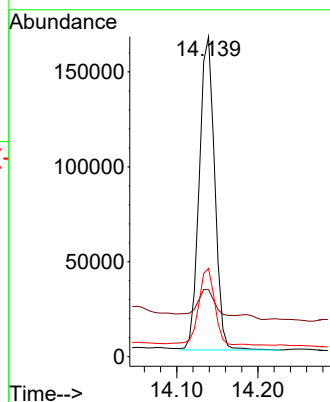
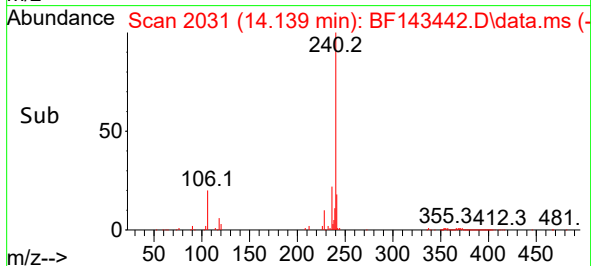
Tgt Ion:	240	Resp:	218110
Ion Ratio	Lower	Upper	
240	100		
120	21.0	9.0	13.4
236	27.6	20.2	30.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#78

Pyrene

Concen: 6.519 ng m

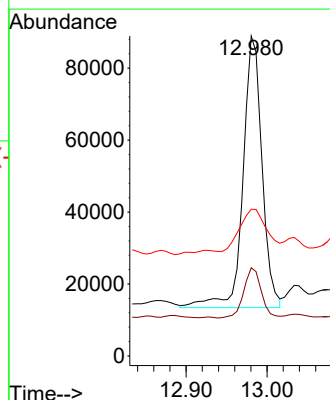
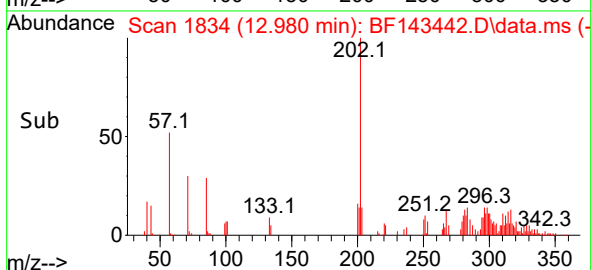
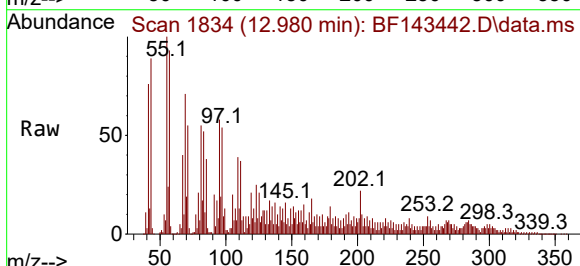
RT: 12.980 min Scan# 1834

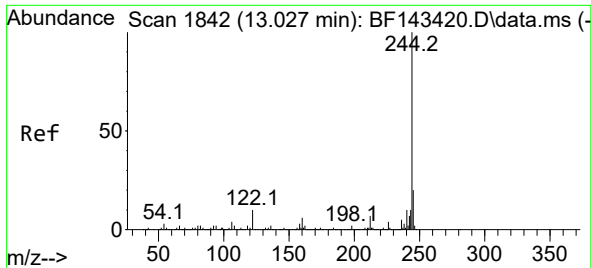
Delta R.T. 0.088 min

Lab File: BF143442.D

Acq: 18 Aug 2025 15:34

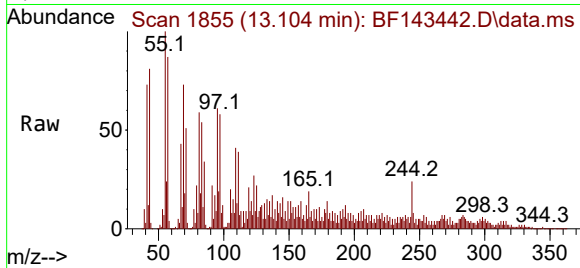
Tgt Ion:	202	Resp:	123585
Ion Ratio	Lower	Upper	
202	100		
200	27.6	17.1	25.7
203	45.8	14.2	21.2





#79
 Terphenyl-d14
 Concen: 9.187 ng
 RT: 13.104 min Scan# 1842
 Delta R.T. 0.076 min
 Lab File: BF143442.D
 Acq: 18 Aug 2025 15:34

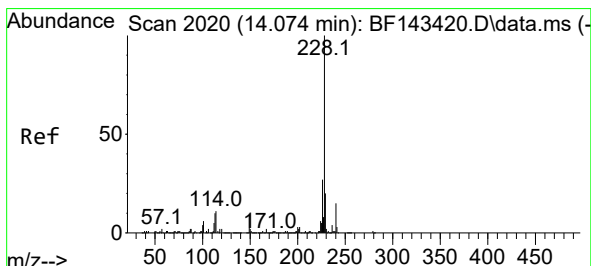
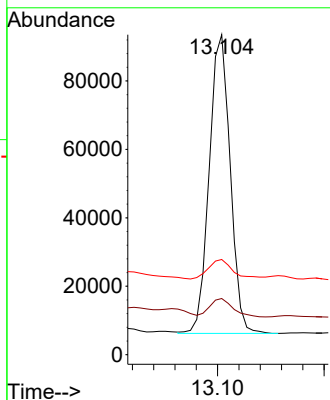
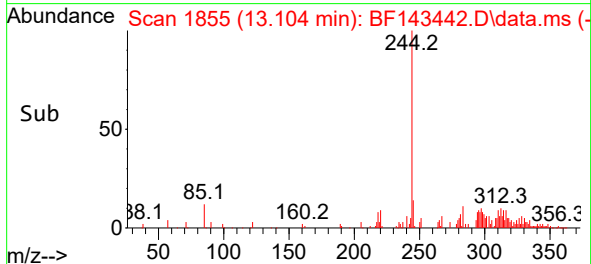
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0224-0225



Tgt Ion:244 Resp: 11928
 Ion Ratio Lower Upper
 244 100
 212 17.6 5.2 7.8
 122 29.7 8.3 12.5

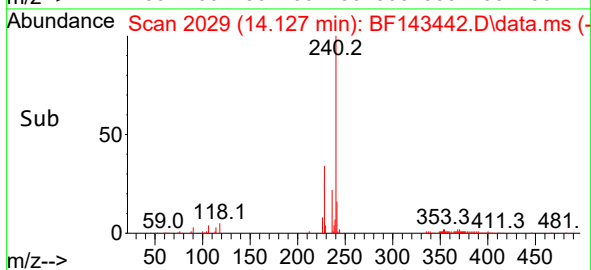
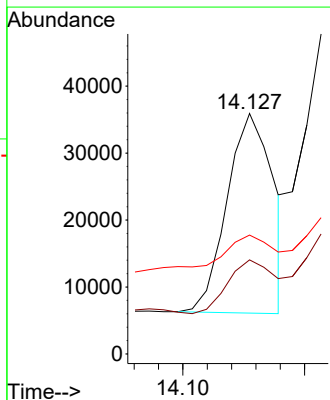
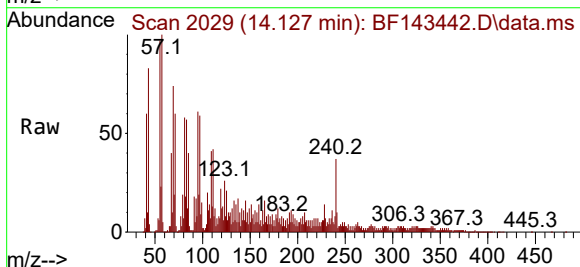
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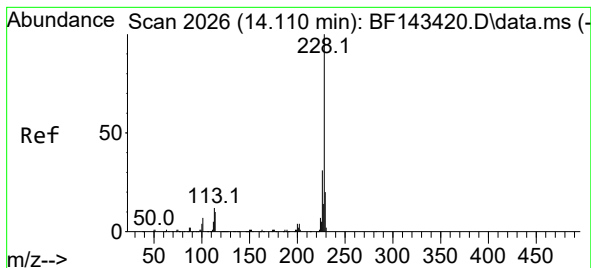
Reviewed By :Rahul Chavli 08/19/2025
 Supervised By :Jagrut Upadhyay 08/19/2025



#81
 Benzo(a)anthracene
 Concen: 2.836 ng
 RT: 14.127 min Scan# 2029
 Delta R.T. 0.053 min
 Lab File: BF143442.D
 Acq: 18 Aug 2025 15:34

Tgt Ion:228 Resp: 39377
 Ion Ratio Lower Upper
 228 100
 226 39.1 21.5 32.3#
 229 49.5 15.7 23.5#





#83

Chrysene

Concen: 5.240 ng

RT: 14.163 min Scan# 2026

Delta R.T. 0.053 min

Lab File: BF143442.D

Acq: 18 Aug 2025 15:34

Instrument :

BNA_F

ClientSampleId :

MOO-25-0224-0225

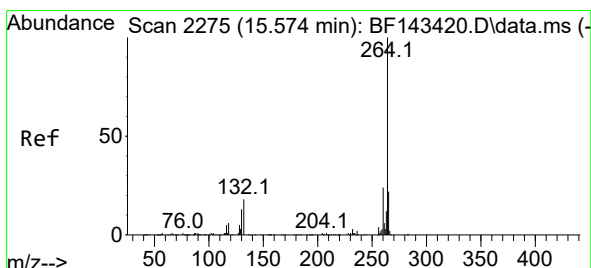
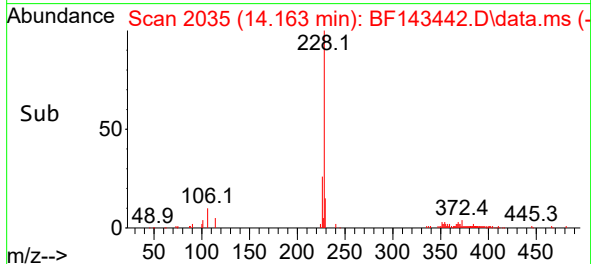
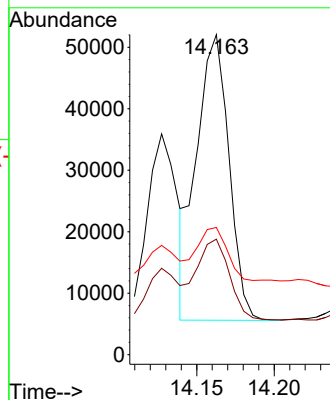
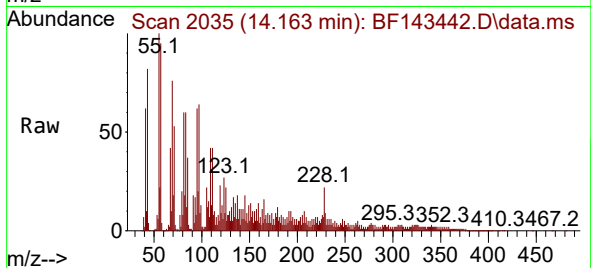
Tgt Ion:228	Resp: 67264
Ion Ratio	Lower Upper
228 100	
226 36.1	24.3 36.5
229 39.8	16.1 24.1

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#86

Perylene-d12

Concen: 20.000 ng

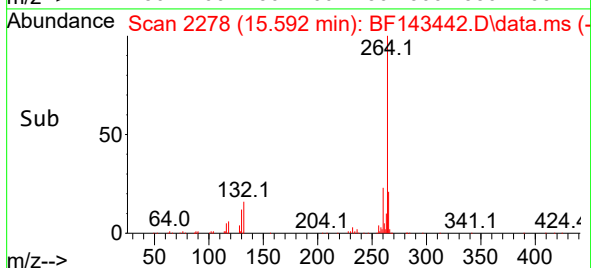
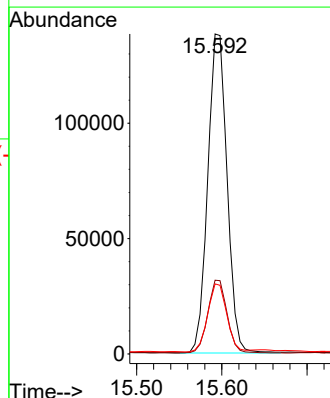
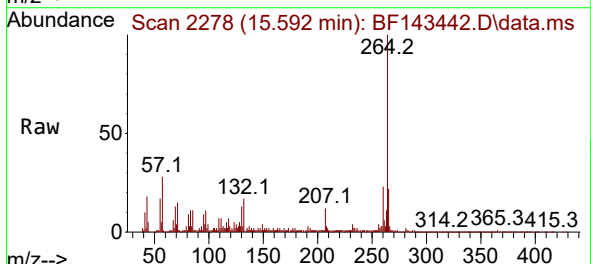
RT: 15.592 min Scan# 2278

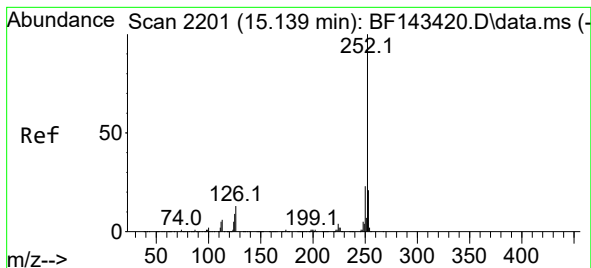
Delta R.T. 0.018 min

Lab File: BF143442.D

Acq: 18 Aug 2025 15:34

Tgt Ion:264	Resp: 217734
Ion Ratio	Lower Upper
264 100	
260 23.0	18.8 28.2
265 21.9	17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 6.730 ng m

RT: 15.163 min Scan# 2205

Delta R.T. 0.023 min

Lab File: BF143442.D

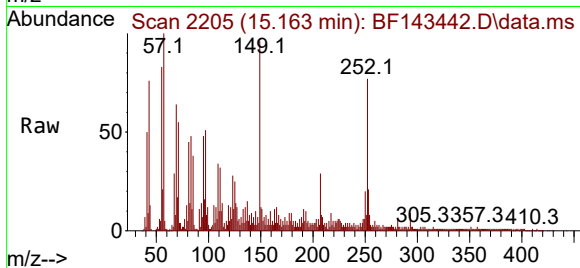
Acq: 18 Aug 2025 15:34

Instrument :

BNF

ClientSampleId :

MOO-25-0224-0225



Tgt Ion:252 Resp: 7853

Ion Ratio Lower Upper

252 100

253 27.2 17.1 25.7

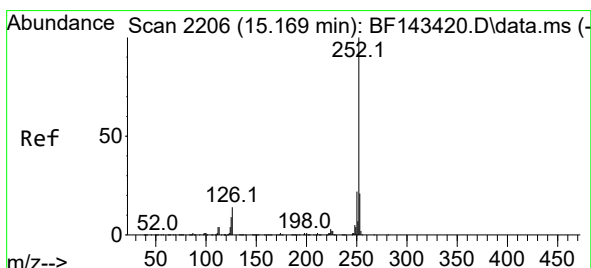
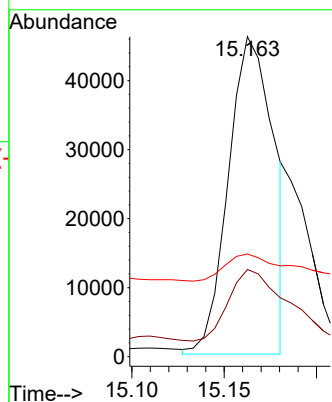
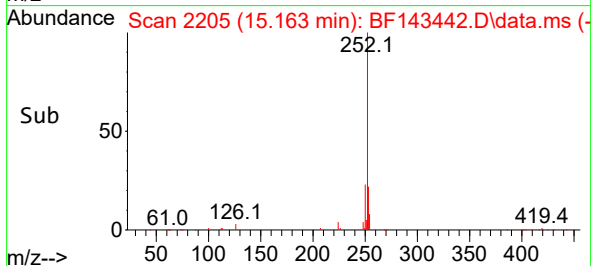
125 32.1 7.5 11.3

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Reviewed By :Rahul Chavli 08/19/2025

Supervised By :Jagrut Upadhyay 08/19/2025



#89

Benzo(k)fluoranthene

Concen: 2.342 ng m

RT: 15.180 min Scan# 2208

Delta R.T. 0.012 min

Lab File: BF143442.D

Acq: 18 Aug 2025 15:34

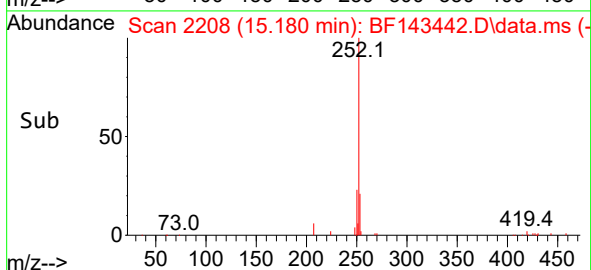
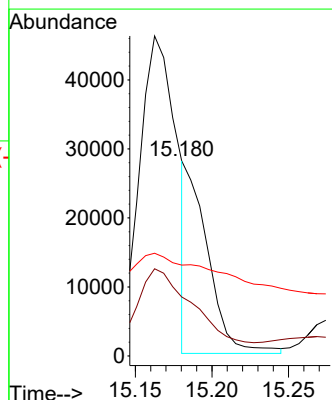
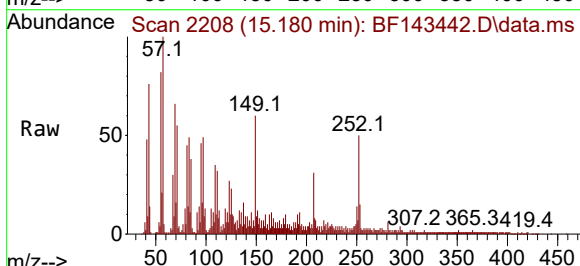
Tgt Ion:252 Resp: 26953

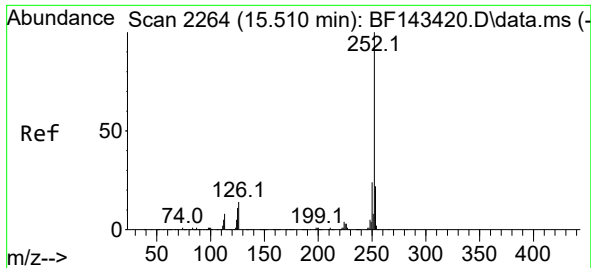
Ion Ratio Lower Upper

252 100

253 30.3 17.2 25.8#

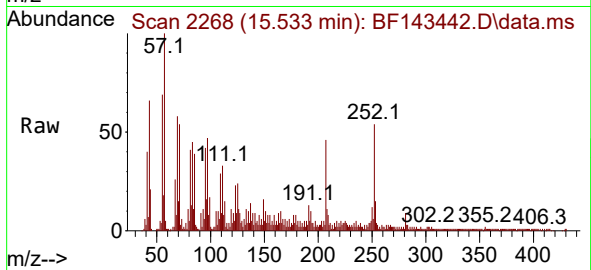
125 46.6 7.4 11.2#





#90
Benzo(a)pyrene
Concen: 2.550 ng
RT: 15.533 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF143442.D
Acq: 18 Aug 2025 15:34

Instrument :
BNA_F
ClientSampleId :
MOO-25-0224-0225



Tgt Ion:	252	Resp:	2834
Ion Ratio	Lower	Upper	
252	100		
253	27.7	17.4	26.2
125	43.8	8.6	12.8

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Reviewed By :Rahul Chavli 08/19/2025
Supervised By :Jagrut Upadhyay 08/19/2025

