

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142676.D
 Acq On : 07 Jun 2025 07:32
 Operator : RC/JU
 Sample : Q2241-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-N

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/09/2025
 Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 09 01:02:52 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	132118	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	460499	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	208571	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	285267	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	276078	20.000	ng	#-0.01
86) Perylene-d12	15.557	264	215286	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	494452	63.052	ng	0.00
7) Phenol-d6	6.516	99	607230	64.326	ng	-0.02
23) Nitrobenzene-d5	7.451	82	352054	41.688	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	127796	55.206	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	653086	42.017	ng	-0.02
79) Terphenyl-d14	13.004	244	511834	25.335	ng	-0.01
Target Compounds						Qvalue
75) Fluoranthene	12.633	202	86909	6.101	ng	99
78) Pyrene	12.863	202	105552	4.098	ng	98
81) Benzo(a)anthracene	14.051	228	79855	4.332	ng	# 88
83) Chrysene	14.086	228	73815	4.456	ng	# 94
88) Benzo(b)fluoranthene	15.121	252	74775m	5.869	ng	
89) Benzo(k)fluoranthene	15.133	252	33420m	2.800	ng	
90) Benzo(a)pyrene	15.492	252	54838	4.566	ng	# 94

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

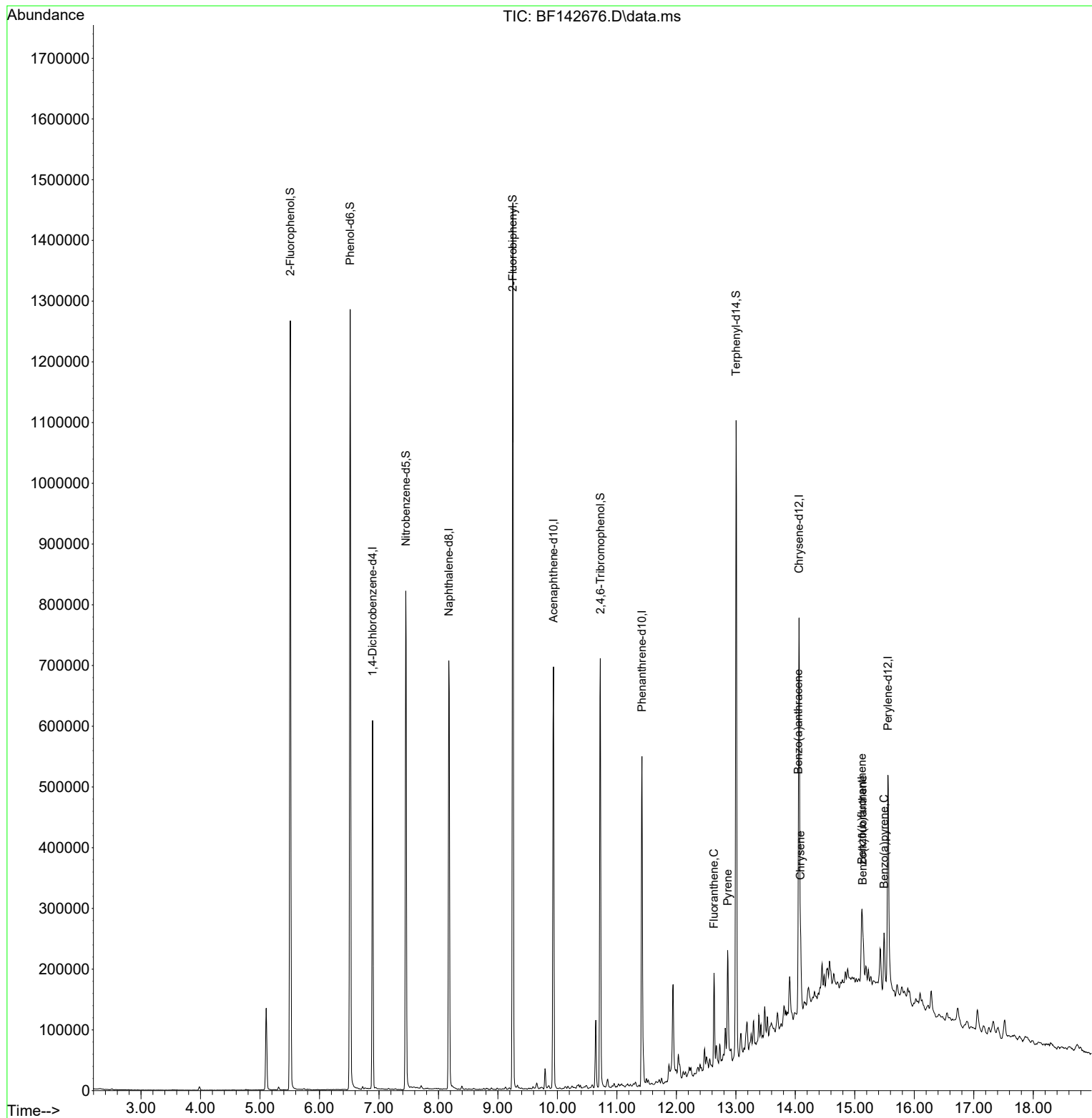
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142676.D
Acq On : 07 Jun 2025 07:32
Operator : RC/JU
Sample : Q2241-01
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-N

Quant Time: Jun 09 01:02:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

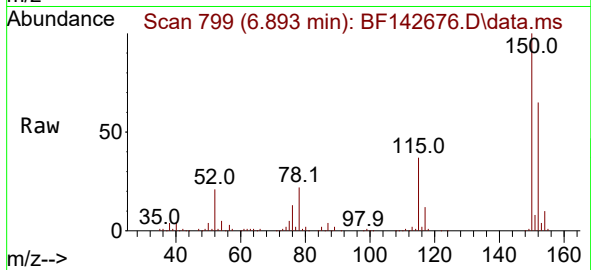
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.011 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

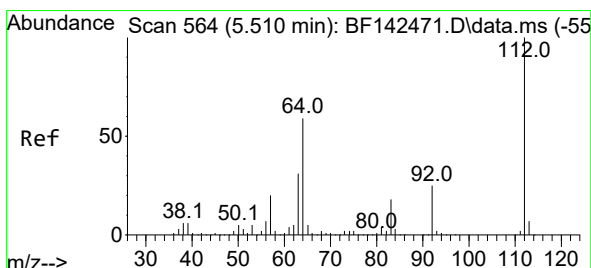
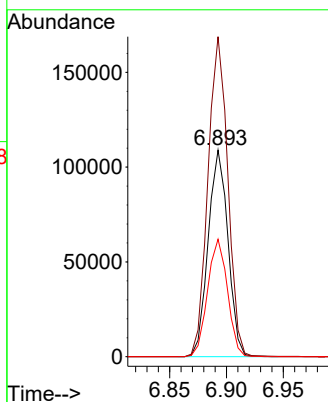
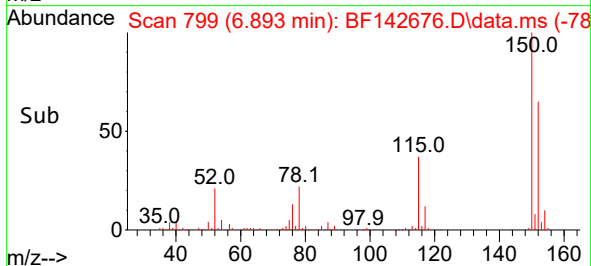
Instrument :
BNA_F
ClientSampleId :
TP-N



Tgt Ion:152 Resp: 132118
Ion Ratio Lower Upper
152 100
150 154.9 128.2 192.4
115 56.9 48.3 72.5

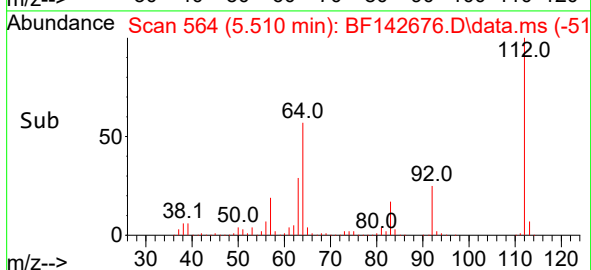
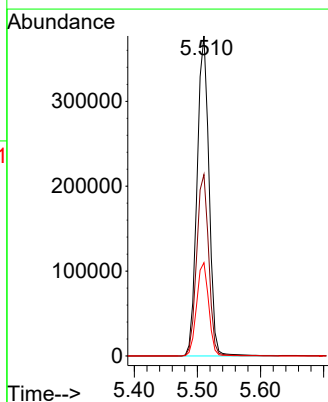
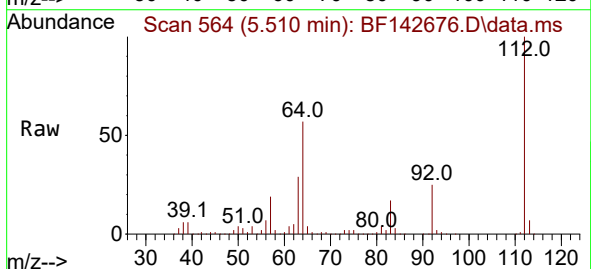
Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#5
2-Fluorophenol
Concen: 63.052 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

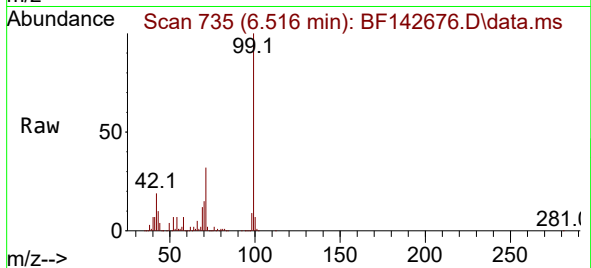
Tgt Ion:112 Resp: 494452
Ion Ratio Lower Upper
112 100
64 56.7 47.5 71.3
63 29.2 24.9 37.3





#7
Phenol-d6
Concen: 64.326 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

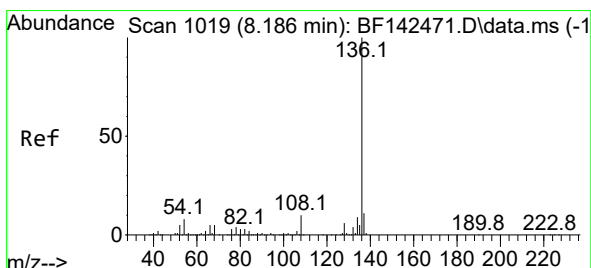
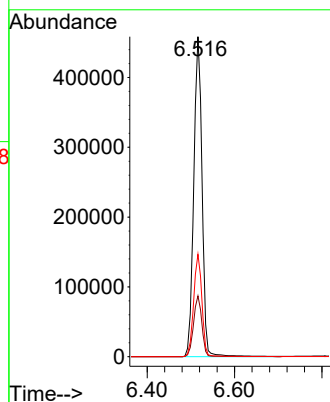
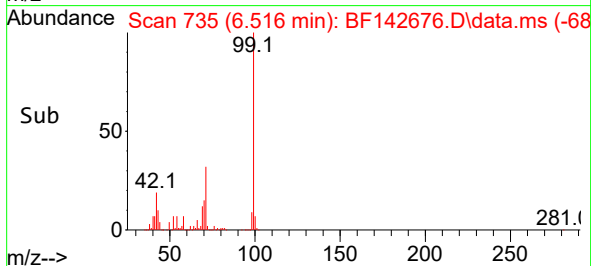
Instrument :
BNA_F
ClientSampleId :
TP-N



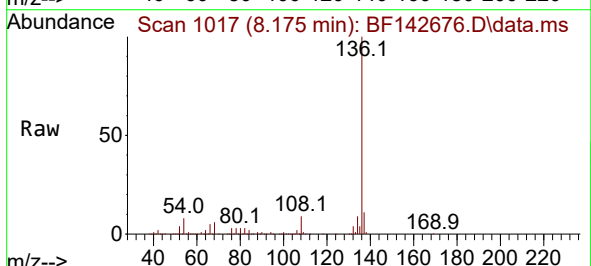
Tgt Ion: 99 Resp: 607230
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 32.0 27.3 40.9

Manual Integrations
APPROVED

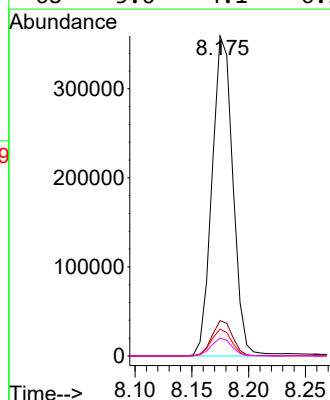
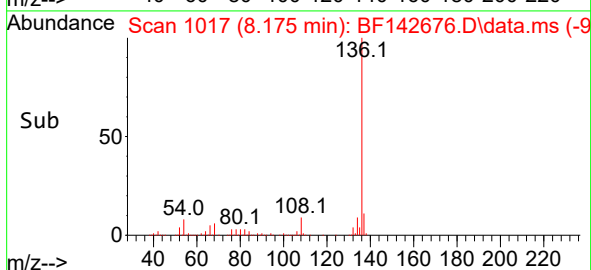
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

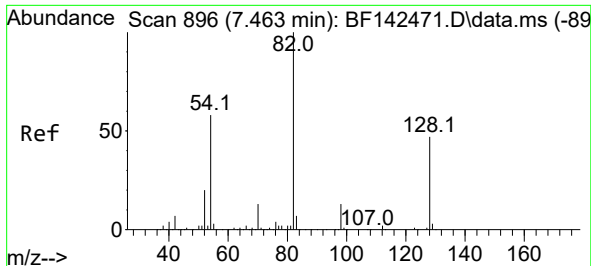


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32



Tgt Ion:136 Resp: 460499
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.4 6.6 10.0
68 5.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 41.688 ng

RT: 7.451 min Scan# 896

Delta R.T. -0.023 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

Instrument :

BNA_F

ClientSampleId :

TP-N

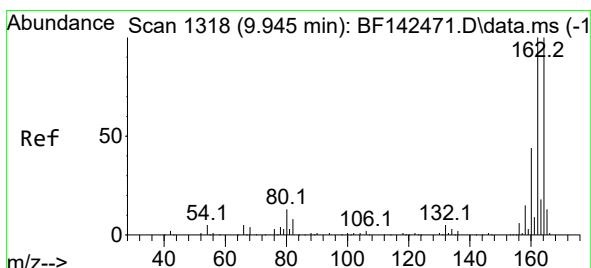
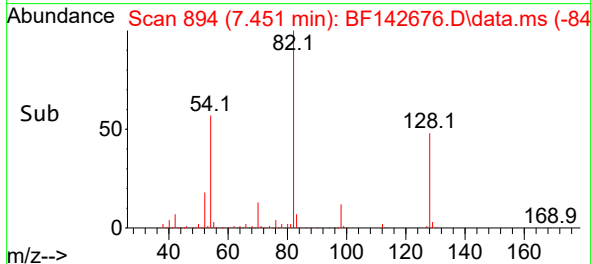
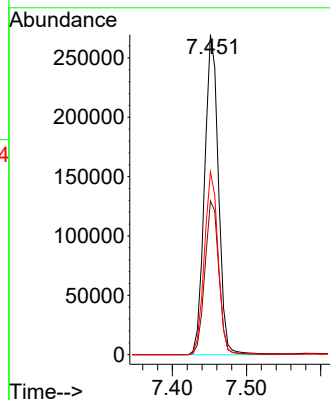
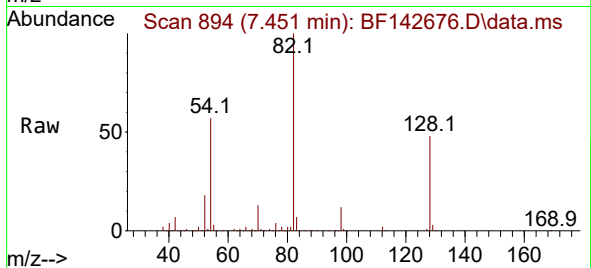
Tgt Ion: 82 Resp: 352054
 Ion Ratio Lower Upper
 82 100
 128 48.0 37.4 56.2
 54 57.1 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

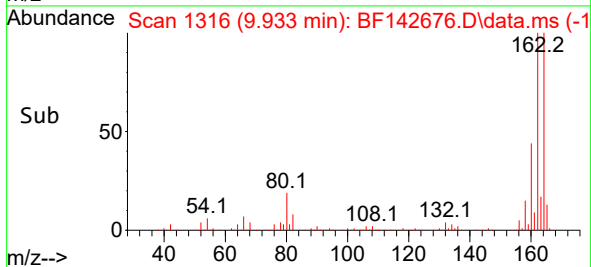
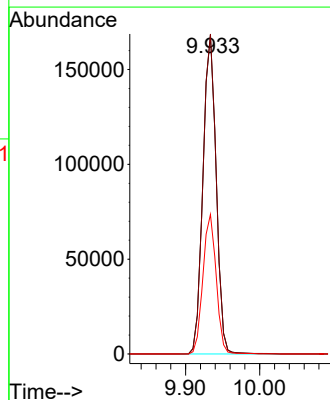
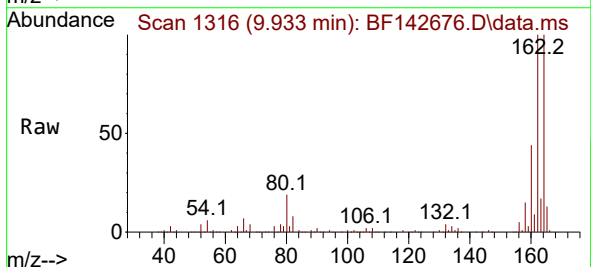
RT: 9.933 min Scan# 1316

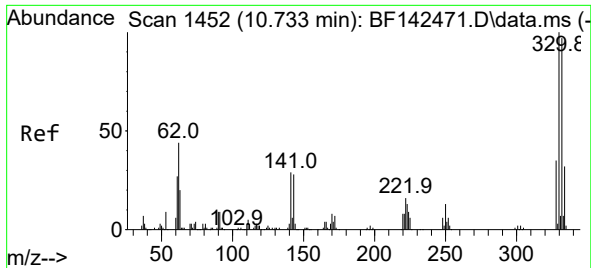
Delta R.T. -0.012 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

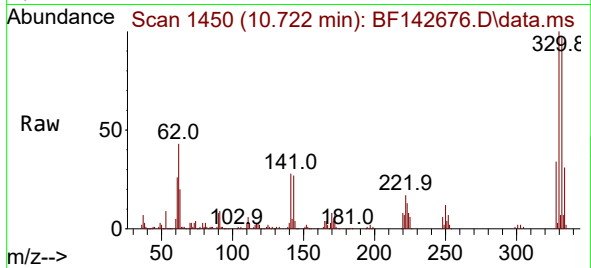
Tgt Ion:164 Resp: 208571
 Ion Ratio Lower Upper
 164 100
 162 100.3 80.2 120.4
 160 43.8 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 55.206 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.017 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

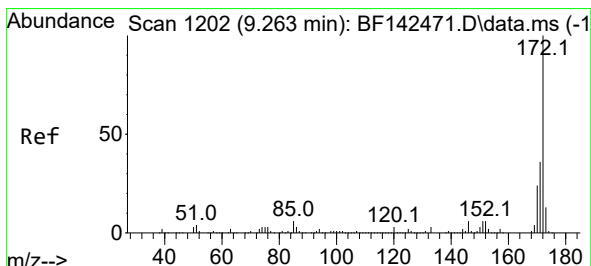
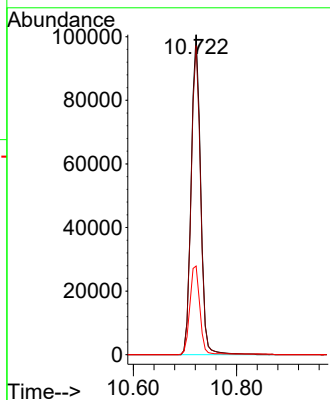
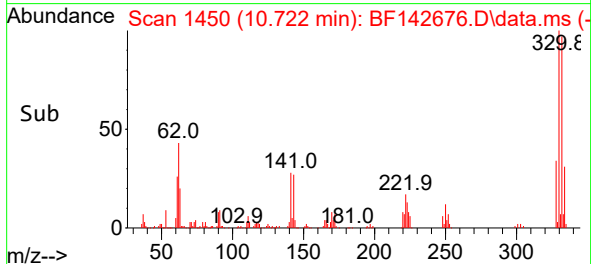
Instrument :
BNA_F
ClientSampleId :
TP-N



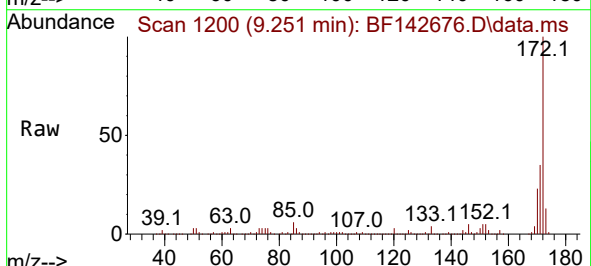
Tgt Ion: 330 Resp: 127790
Ion Ratio Lower Upper
330 100
332 96.3 77.6 116.4
141 29.5 24.6 36.8

Manual Integrations
APPROVED

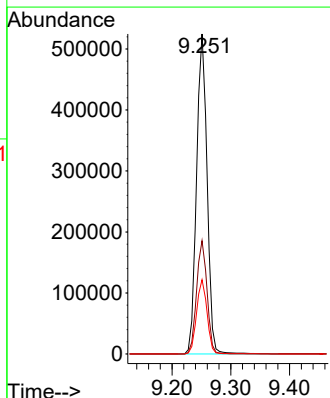
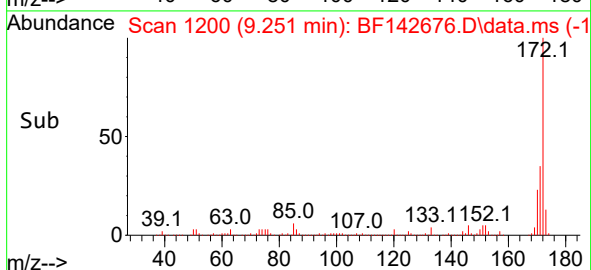
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#45
2-Fluorobiphenyl
Concen: 42.017 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32



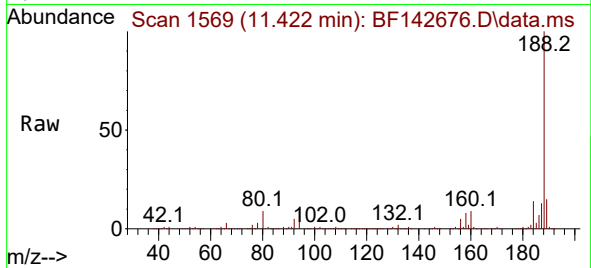
Tgt Ion: 172 Resp: 653086
Ion Ratio Lower Upper
172 100
171 35.4 28.6 42.8
170 23.2 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

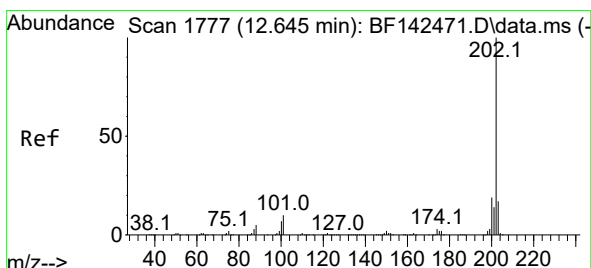
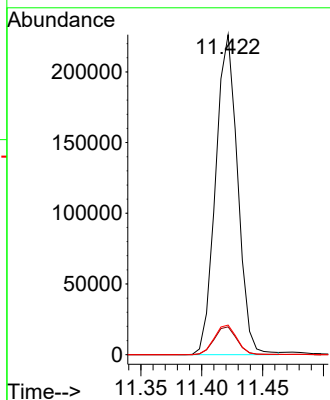
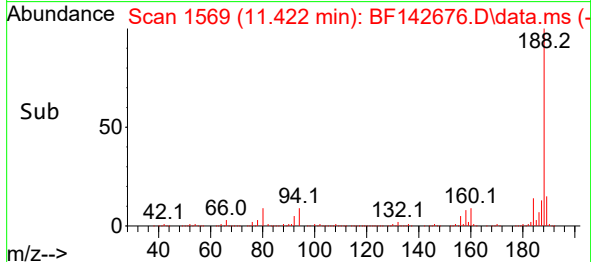
Instrument :
BNA_F
ClientSampleId :
TP-N



Tgt Ion:188 Resp: 28526
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.2 7.4 11.0

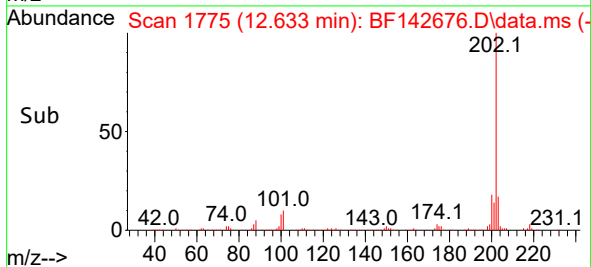
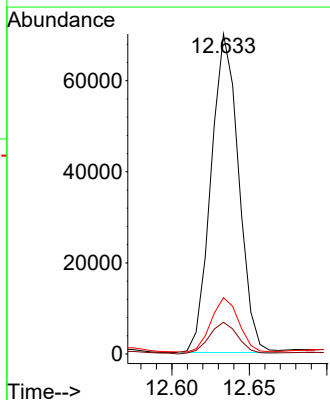
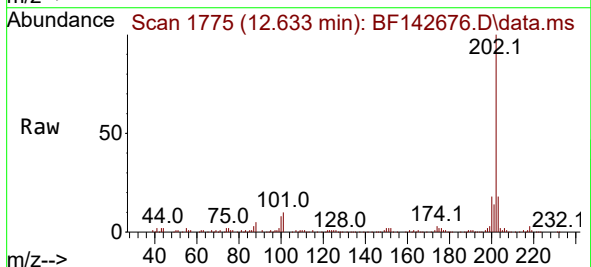
Manual Integrations
APPROVED

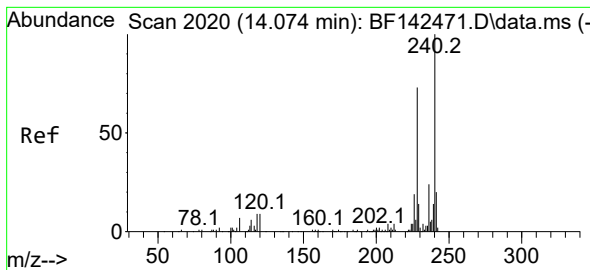
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#75
Fluoranthene
Concen: 6.101 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

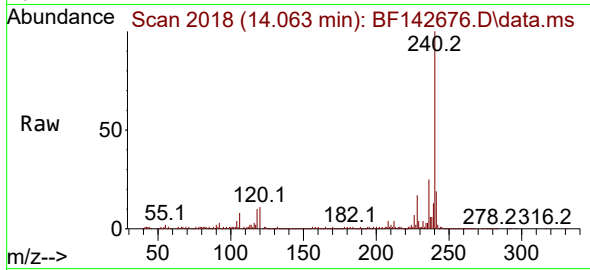
Tgt Ion:202 Resp: 86909
Ion Ratio Lower Upper
202 100
101 9.9 0.0 29.6
203 17.6 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

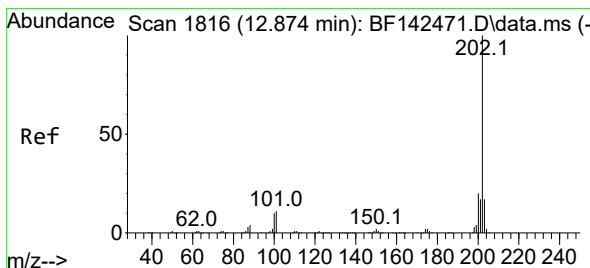
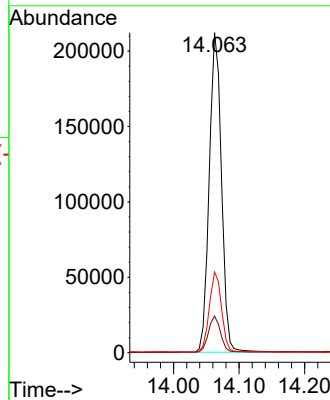
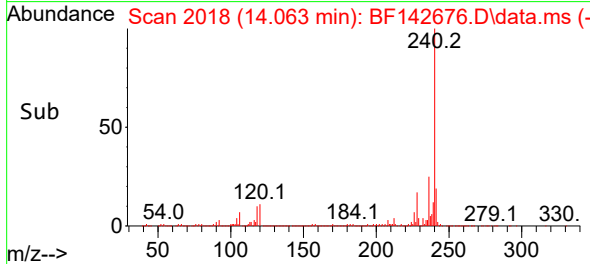
Instrument :
BNA_F
ClientSampleId :
TP-N



Tgt Ion:240 Resp: 276078
Ion Ratio Lower Upper
240 100
120 11.5 7.5 11.3
236 25.2 19.6 29.4

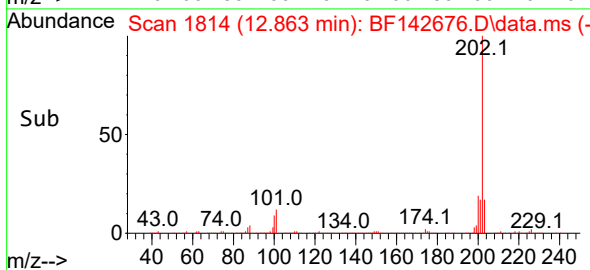
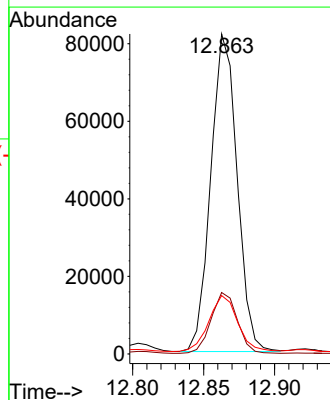
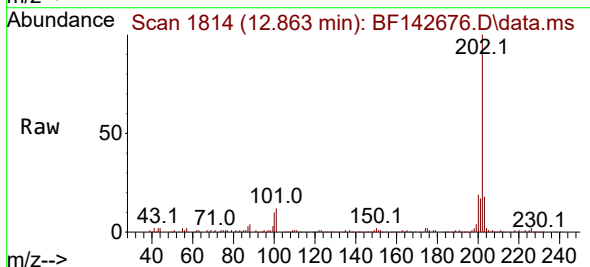
Manual Integrations
APPROVED

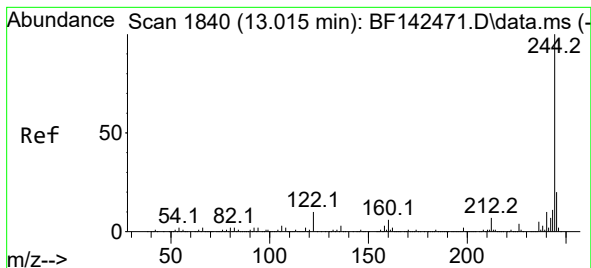
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#78
Pyrene
Concen: 4.098 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Tgt Ion:202 Resp: 105552
Ion Ratio Lower Upper
202 100
200 19.2 16.1 24.1
203 18.3 13.9 20.9





#79

Terphenyl-d14

Concen: 25.335 ng

RT: 13.004 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

Instrument :

BNA_F

ClientSampleId :

TP-N

Tgt Ion:244 Resp: 511834

Ion Ratio Lower Upper

244 100

212 6.3 5.3 7.9

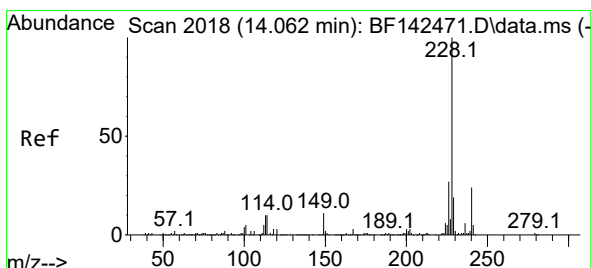
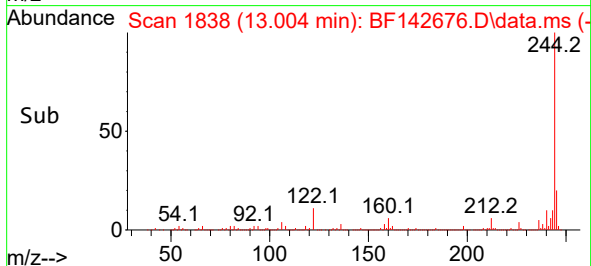
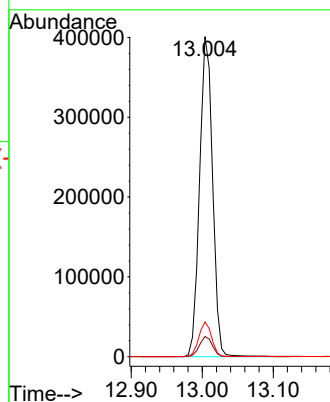
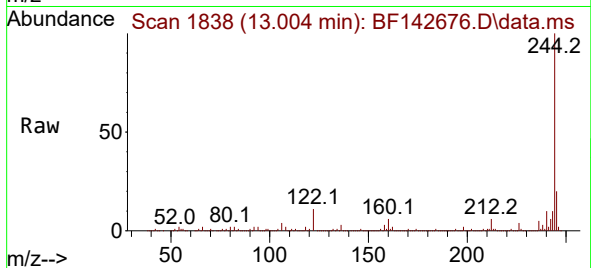
122 10.9 8.2 12.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#81

Benzo(a)anthracene

Concen: 4.332 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

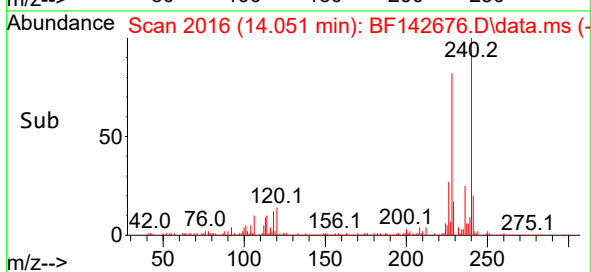
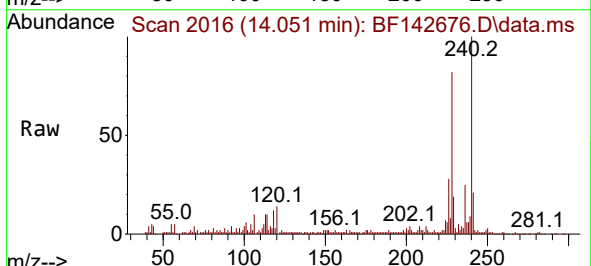
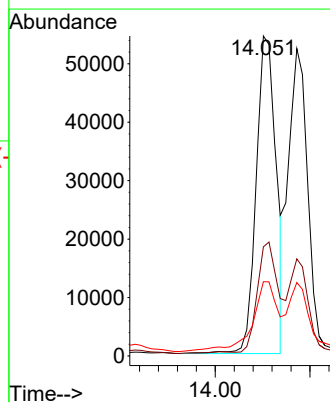
Tgt Ion:228 Resp: 79855

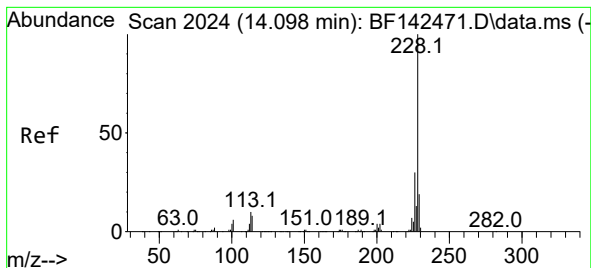
Ion Ratio Lower Upper

228 100

226 34.1 21.2 31.8#

229 23.2 15.5 23.3





#83

Chrysene

Concen: 4.456 ng

RT: 14.086 min Scan# 20

Delta R.T. -0.017 min

Lab File: BF142676.D

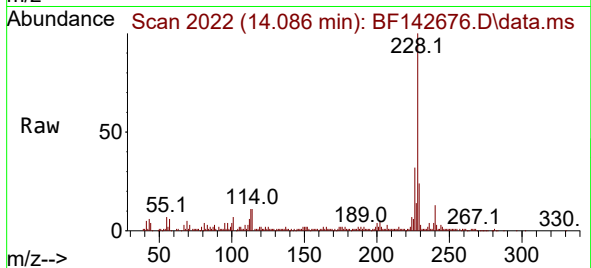
Acq: 07 Jun 2025 07:32

Instrument :

BNA_F

ClientSampleId :

TP-N



Tgt Ion:228 Resp: 73815

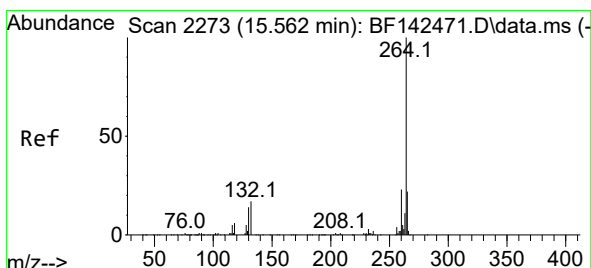
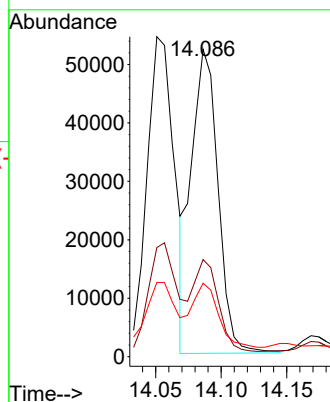
Ion	Ratio	Lower	Upper
228	100		
226	31.6	23.8	35.6
229	23.9	15.4	23.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 2272

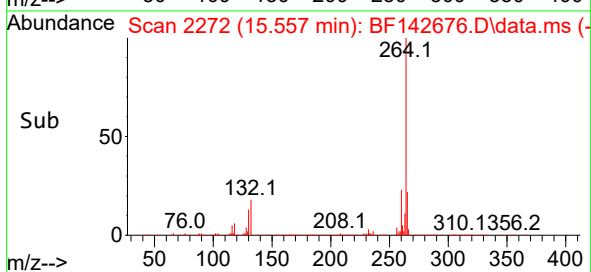
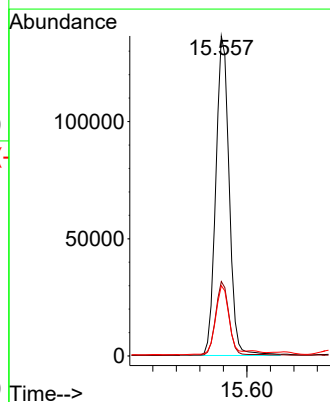
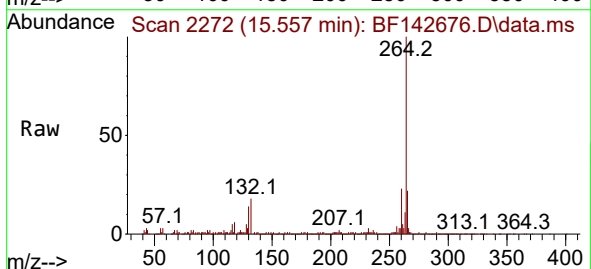
Delta R.T. -0.012 min

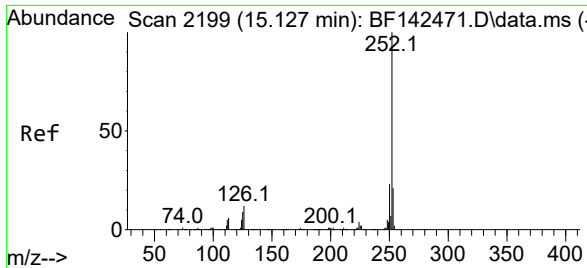
Lab File: BF142676.D

Acq: 07 Jun 2025 07:32

Tgt Ion:264 Resp: 215286

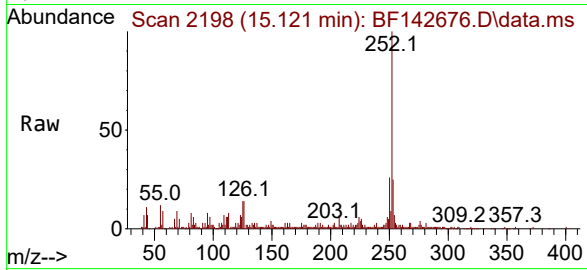
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.9	17.7	26.5





#88
Benzo(b)fluoranthene
Concen: 5.869 ng m
RT: 15.121 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

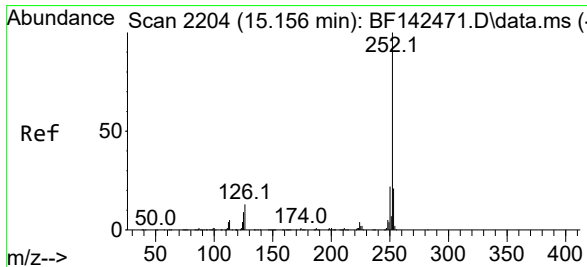
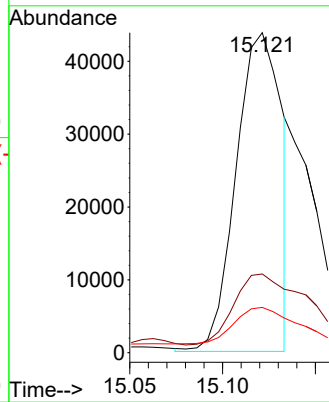
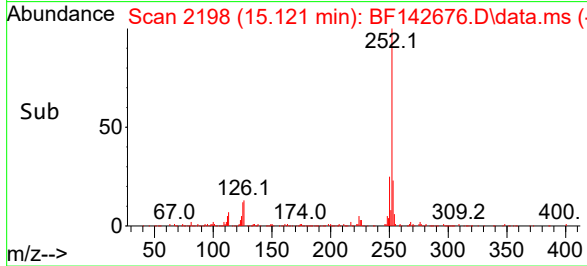
Instrument :
BNA_F
ClientSampleId :
TP-N



Tgt Ion:252 Resp: 74775
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.4
125 14.1 7.4 11.0

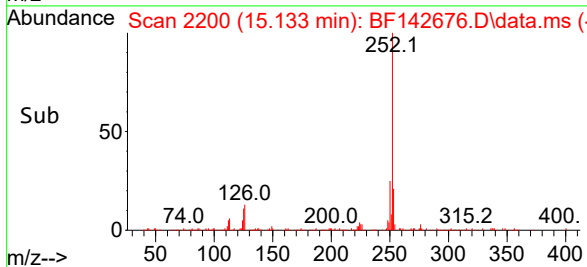
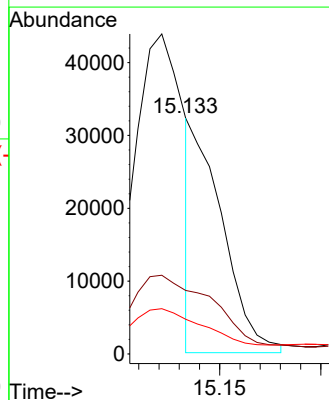
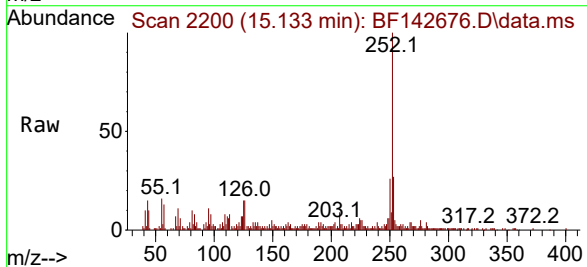
Manual Integrations
APPROVED

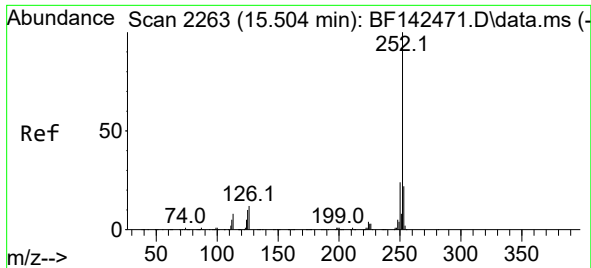
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#89
Benzo(k)fluoranthene
Concen: 2.800 ng m
RT: 15.133 min Scan# 2200
Delta R.T. -0.029 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

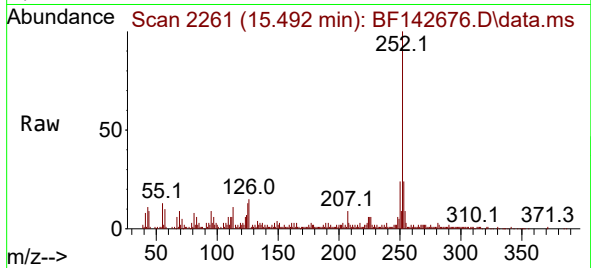
Tgt Ion:252 Resp: 33420
Ion Ratio Lower Upper
252 100
253 26.9 17.0 25.4#
125 14.7 7.3 10.9#





#90
Benzo(a)pyrene
Concen: 4.566 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF142676.D
Acq: 07 Jun 2025 07:32

Instrument :
BNA_F
ClientSampleId :
TP-N



Tgt Ion:252 Resp: 54838
Ion Ratio Lower Upper
252 100
253 24.1 17.4 26.0
125 13.2 7.9 11.9

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

