

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142766.D
 Acq On : 12 Jun 2025 19:26
 Operator : RC/JU
 Sample : Q2206-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jun 13 01:01:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/13/2025
 Supervised By :mohammad ahmed 06/13/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	48948	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	154286	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	74640	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	144857	20.000	ng	0.00
76) Chrysene-d12	14.068	240	126754	20.000	ng	0.00
86) Perylene-d12	15.562	264	90359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	49491	17.220	ng	0.00
7) Phenol-d6	6.516	99	53587	15.844	ng	0.00
23) Nitrobenzene-d5	7.451	82	29072	10.312	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	12852	15.711	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	61037	10.864	ng	0.00
79) Terphenyl-d14	13.004	244	87395	9.470	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.445	178	18186	2.343	ng	99
75) Fluoranthene	12.639	202	39516	5.355	ng	99
78) Pyrene	12.868	202	35892	3.047	ng	98
88) Benzo(b)fluoranthene	15.127	252	12786m	2.403	ng	

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

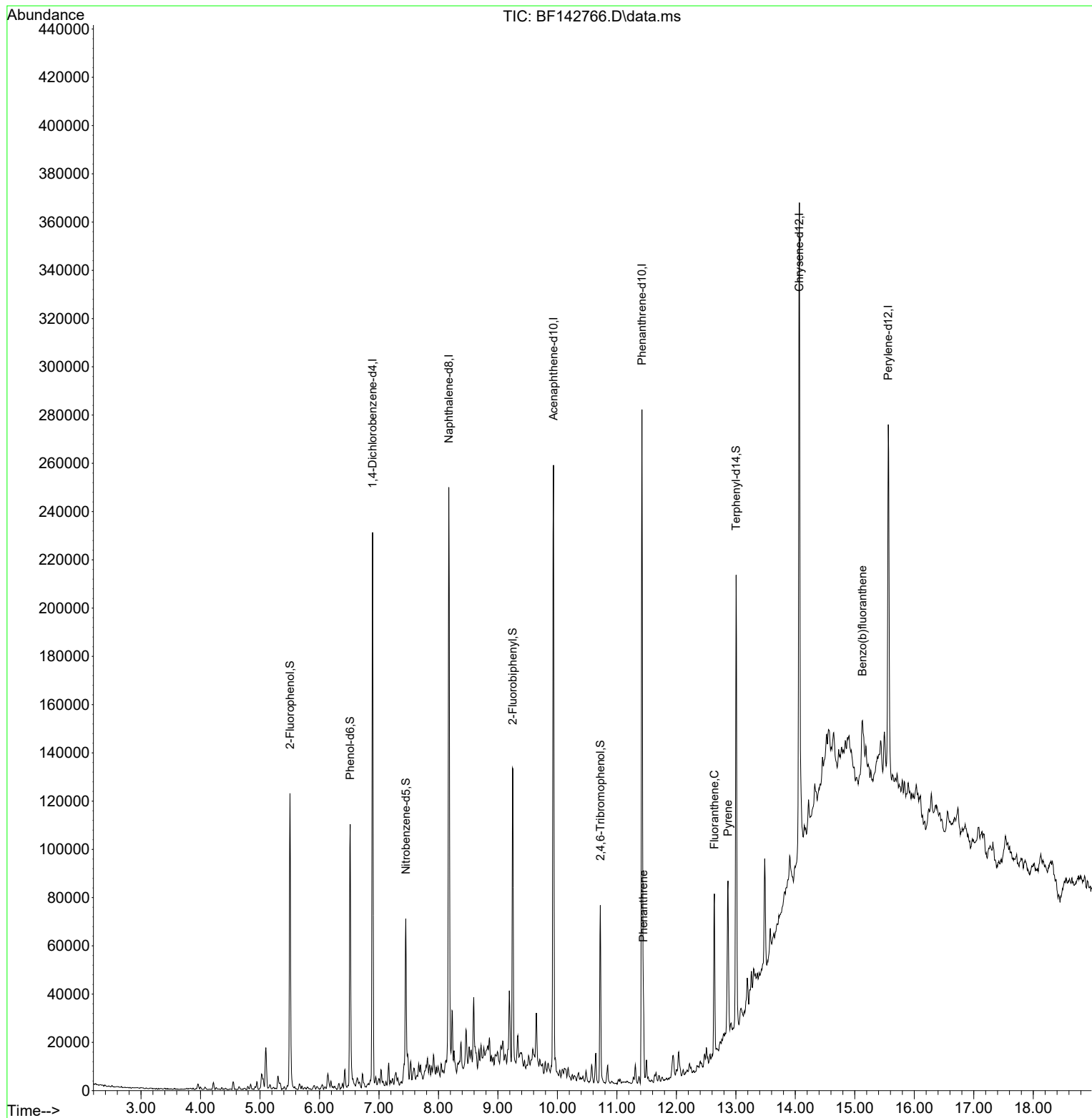
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
Data File : BF142766.D
Acq On : 12 Jun 2025 19:26
Operator : RC/JU
Sample : Q2206-01 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

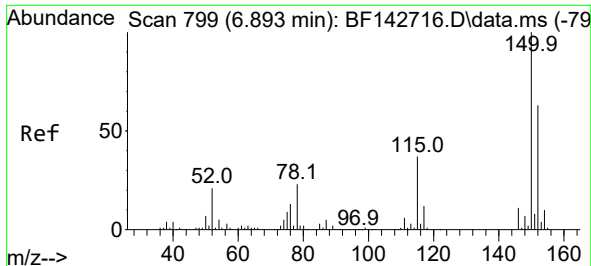
Instrument :
BNA_F
ClientSampleId :
TP-1

Quant Time: Jun 13 01:01:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

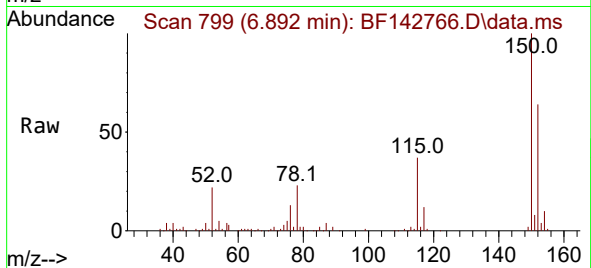
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

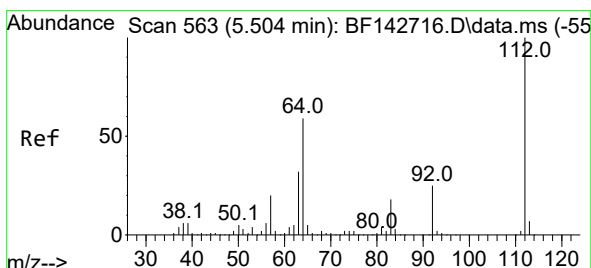
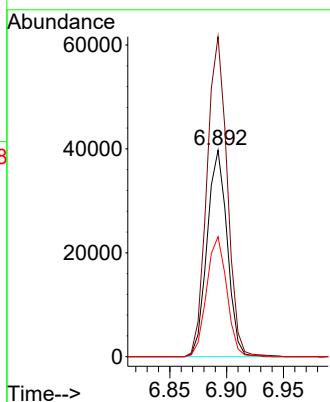
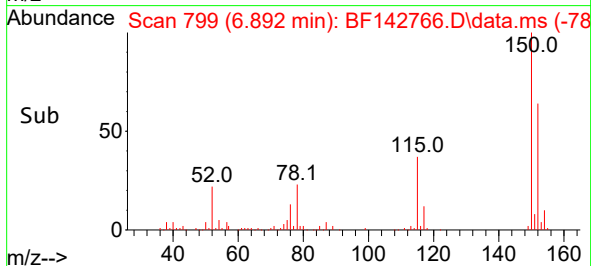
Instrument :
BNA_F
ClientSampleId :
TP-1



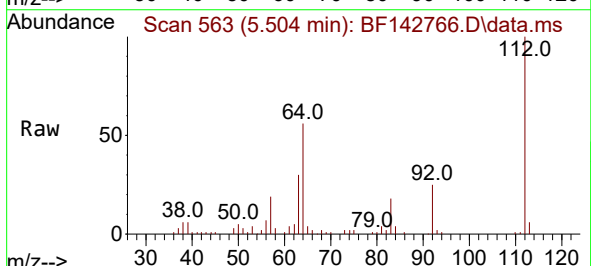
Tgt Ion:152 Resp: 48948
Ion Ratio Lower Upper
152 100
150 155.1 126.9 190.3
115 58.1 47.0 70.6

Manual Integrations
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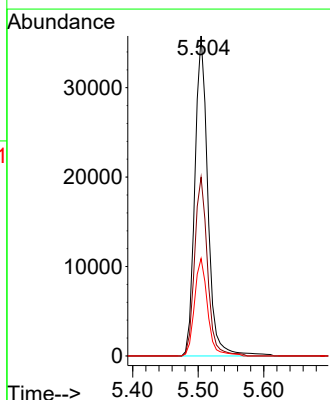
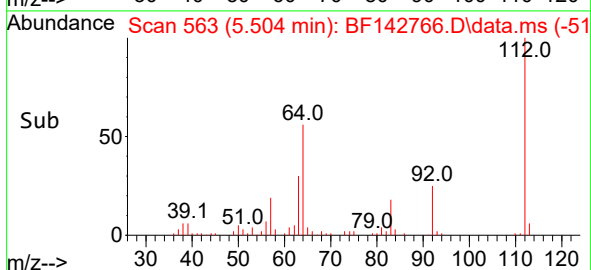
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

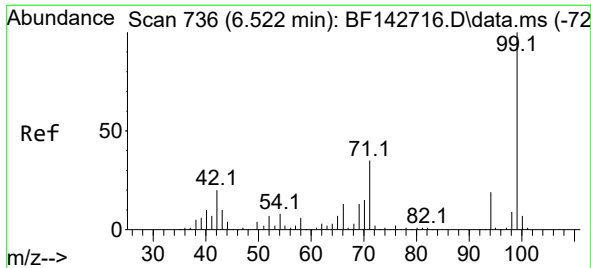


#5
2-Fluorophenol
Concen: 17.220 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26



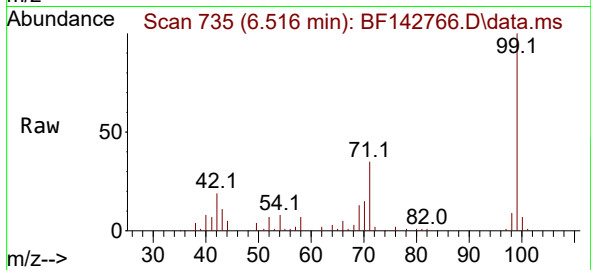
Tgt Ion:112 Resp: 49491
Ion Ratio Lower Upper
112 100
64 55.9 47.4 71.2
63 30.4 25.4 38.0





#7
Phenol-d6
Concen: 15.844 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

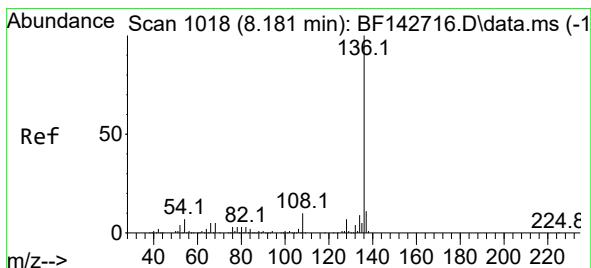
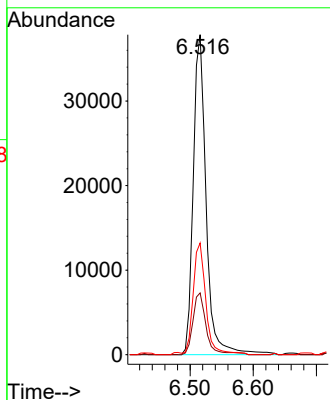
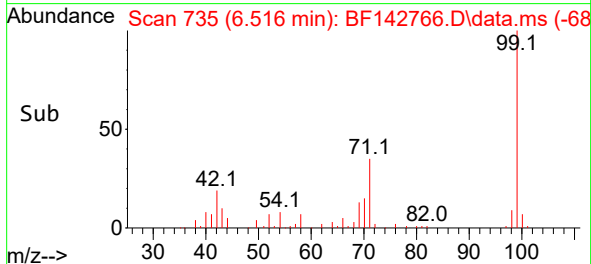
Instrument :
BNA_F
ClientSampleId :
TP-1



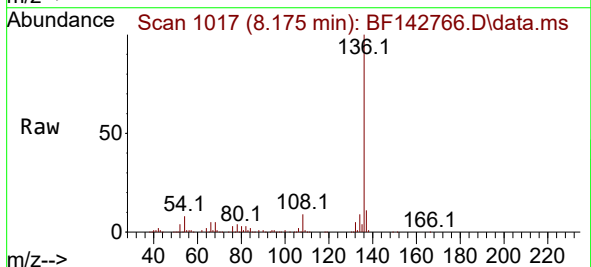
Tgt Ion: 99 Resp: 5358
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 34.9 28.0 42.0

Manual Integrations
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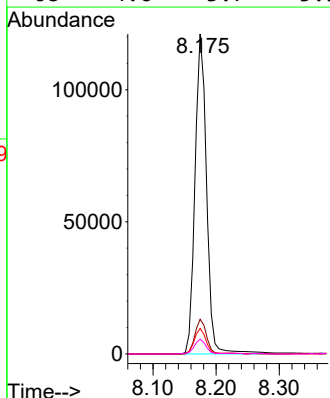
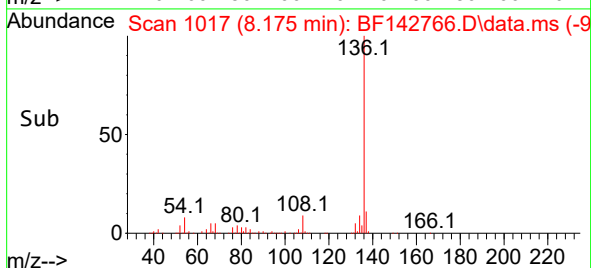
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

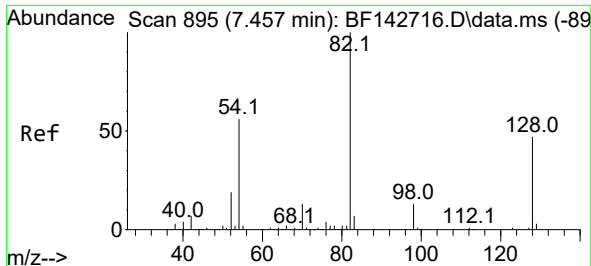


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26



Tgt Ion:136 Resp: 154286
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 8.0 5.9 8.9
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 10.312 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 29072

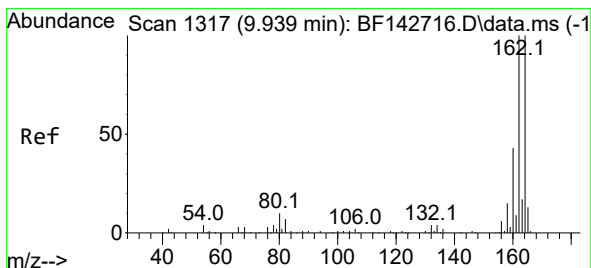
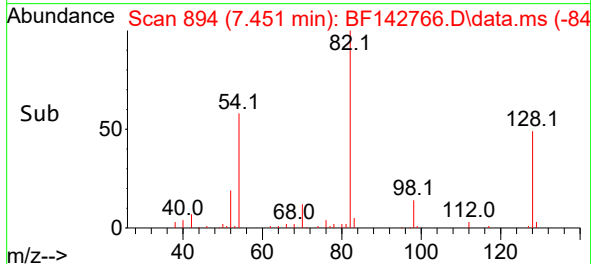
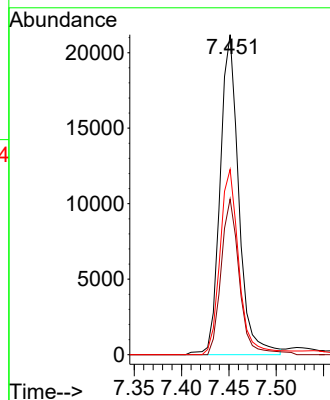
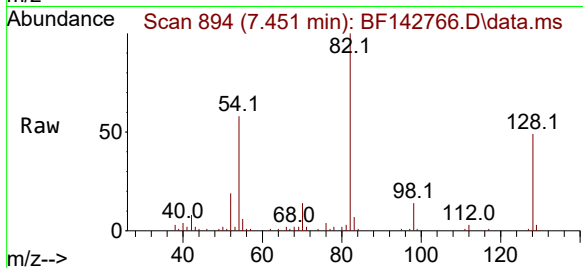
Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.8	56.8
54	57.9	44.9	67.3

Manual Integrations

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Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

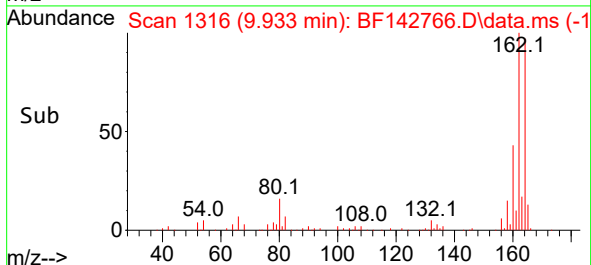
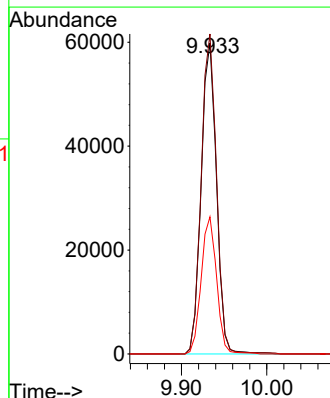
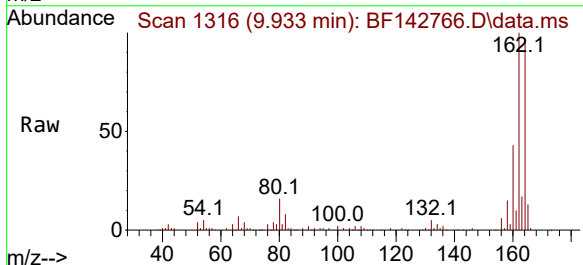
Delta R.T. -0.006 min

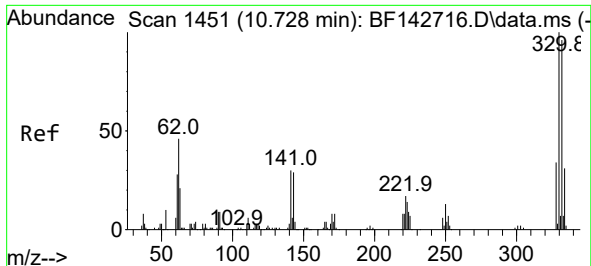
Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Tgt Ion:164 Resp: 74640

Ion	Ratio	Lower	Upper
164	100		
162	102.9	79.9	119.9
160	44.1	34.8	52.2





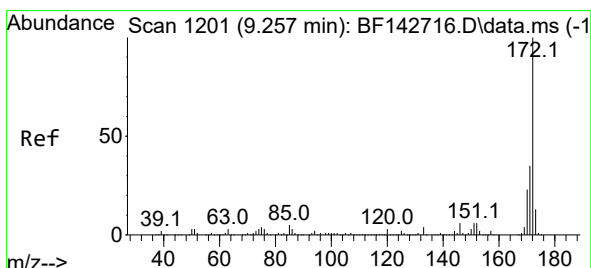
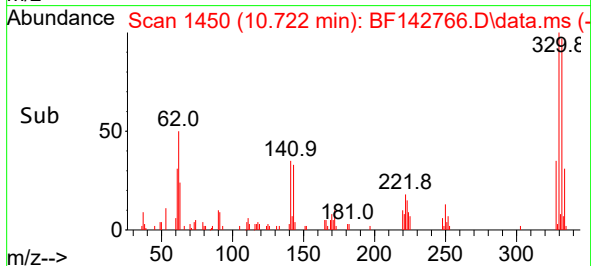
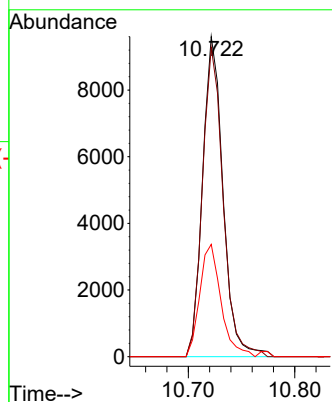
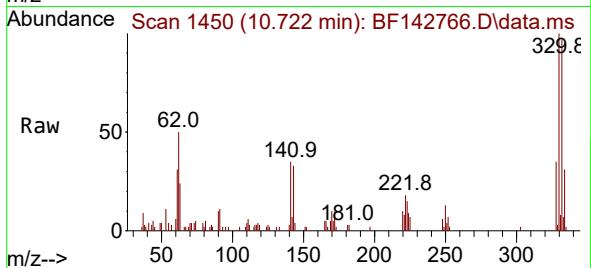
#42
2,4,6-Tribromophenol
Concen: 15.711 ng
RT: 10.722 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 330 Resp: 1285
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 36.4 25.4 38.0

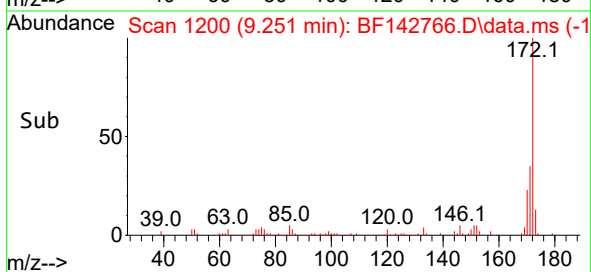
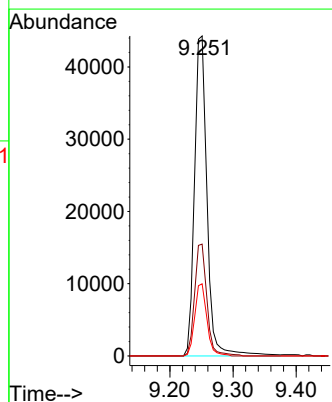
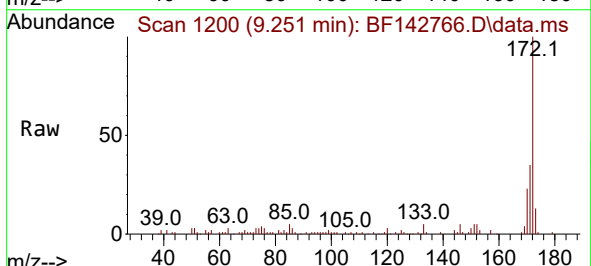
Manual Integrations
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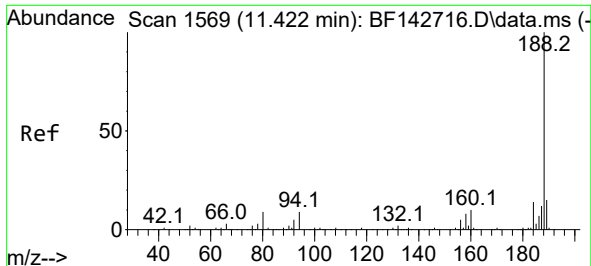
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#45
2-Fluorobiphenyl
Concen: 10.864 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

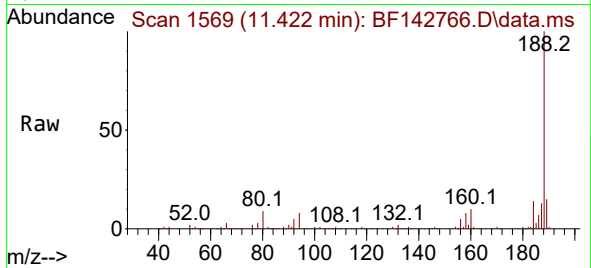
Tgt Ion: 172 Resp: 61037
Ion Ratio Lower Upper
172 100
171 35.0 28.1 42.1
170 22.5 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

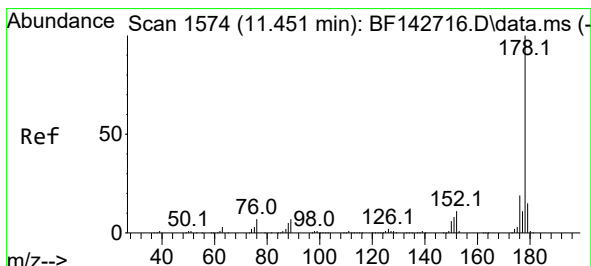
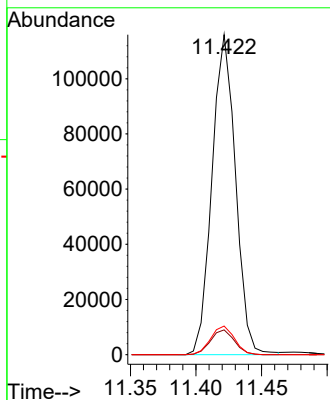
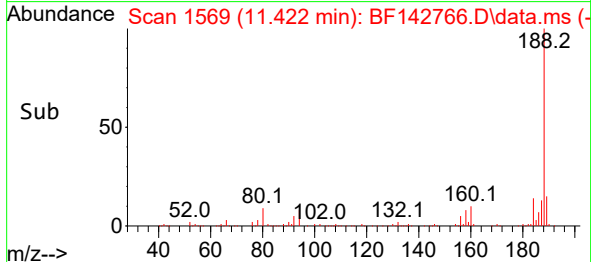
Instrument :
BNA_F
ClientSampleId :
TP-1



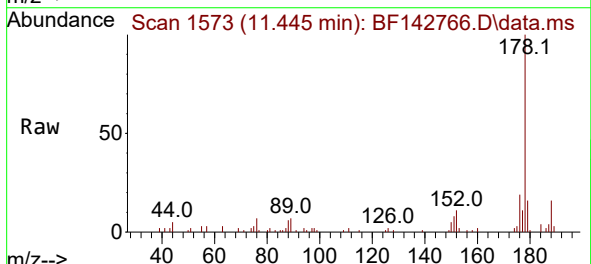
Tgt Ion:188 Resp: 14485
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 9.0 7.1 10.7

Manual Integrations
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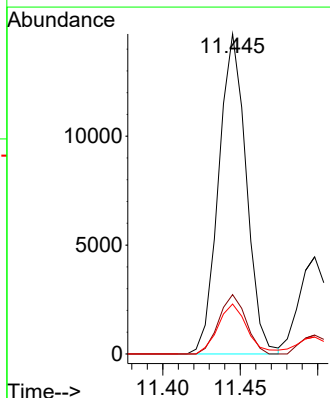
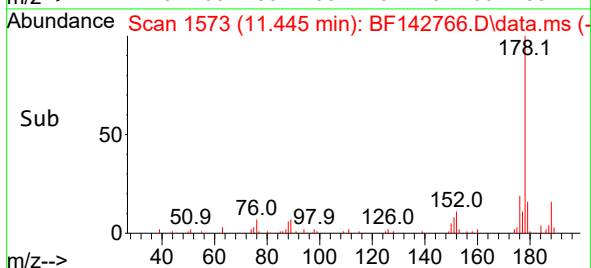
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

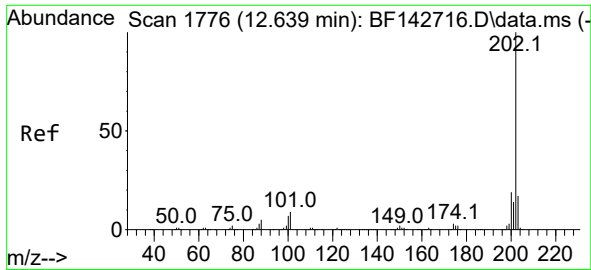


#71
Phenanthrene
Concen: 2.343 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26



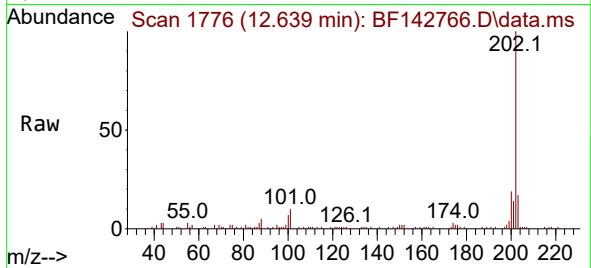
Tgt Ion:178 Resp: 18186
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.6 12.2 18.4





#75
Fluoranthene
Concen: 5.355 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

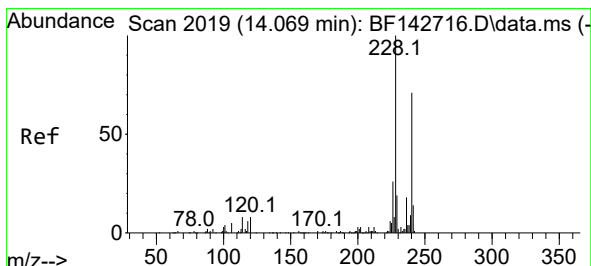
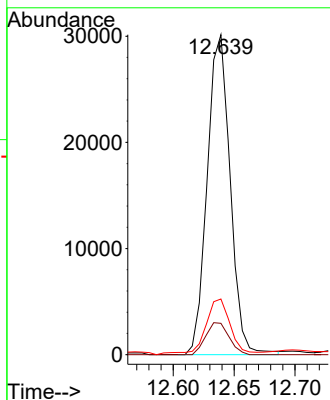
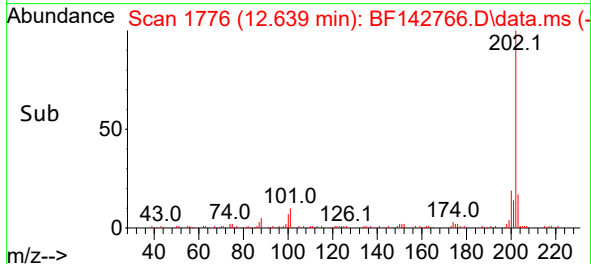
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:202 Resp: 39510
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.5
203 17.4 0.0 37.0

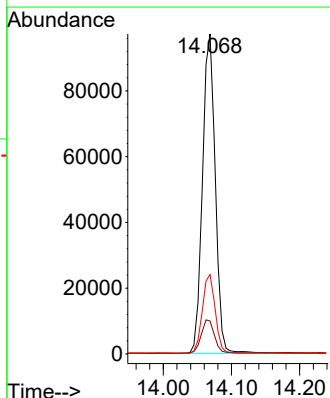
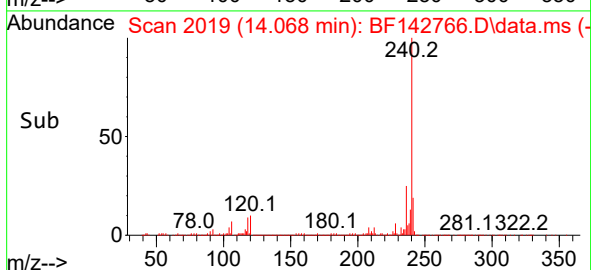
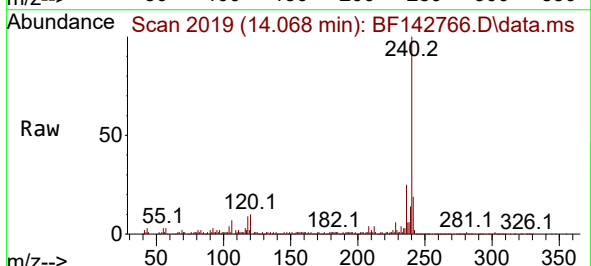
Manual Integrations
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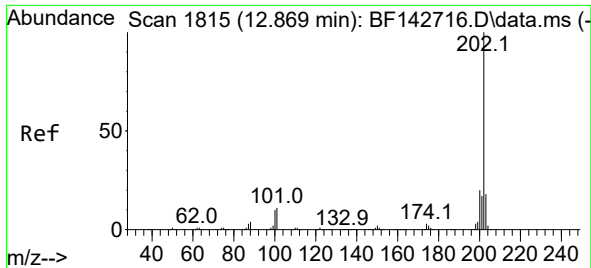
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

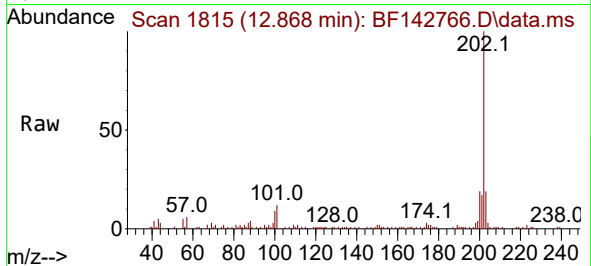
Tgt Ion:240 Resp: 126754
Ion Ratio Lower Upper
240 100
120 10.3 8.5 12.7
236 24.8 20.1 30.1





#78
Pyrene
Concen: 3.047 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.000 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

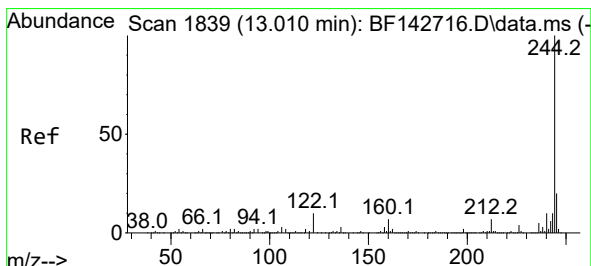
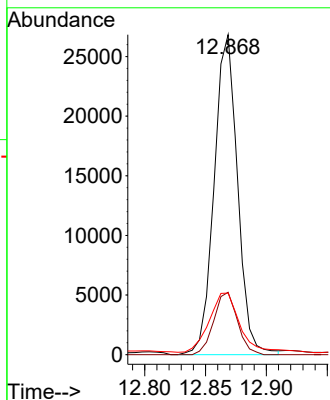
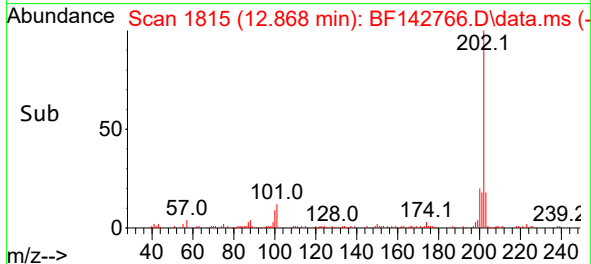
Instrument :
BNA_F
ClientSampleId :
TP-1



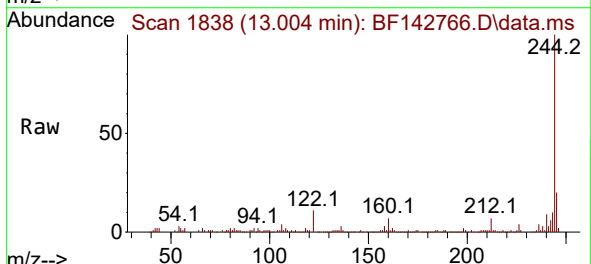
Tgt Ion:202 Resp: 35892
Ion Ratio Lower Upper
202 100
200 19.5 15.8 23.8
203 19.3 14.1 21.1

Manual Integrations
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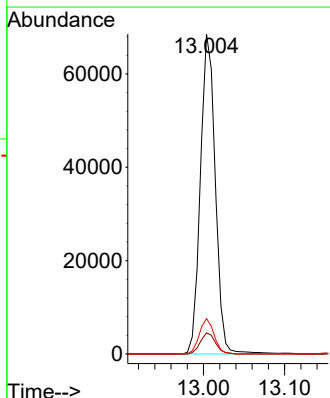
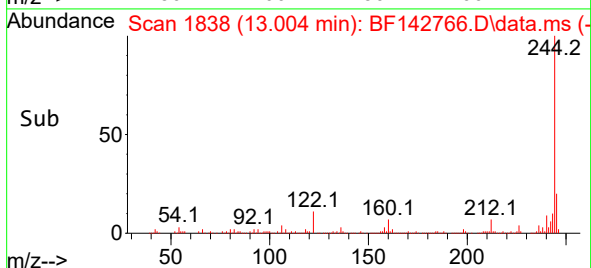
Reviewed By :Rahul Chavli 06/13/2025
Supervised By :mohammad ahmed 06/13/2025

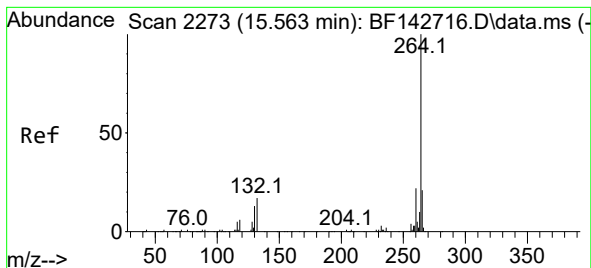


#79
Terphenyl-d14
Concen: 9.470 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26



Tgt Ion:244 Resp: 87395
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.0
122 11.0 8.3 12.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Instrument :

BNA_F

ClientSampleId :

TP-1

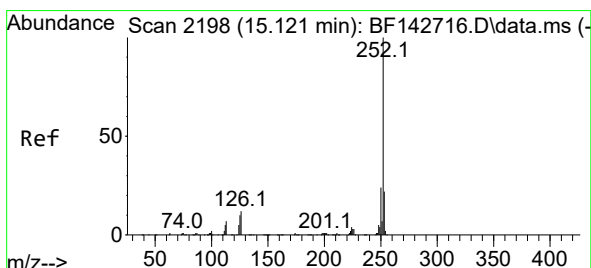
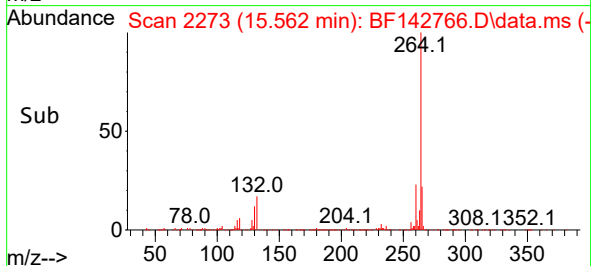
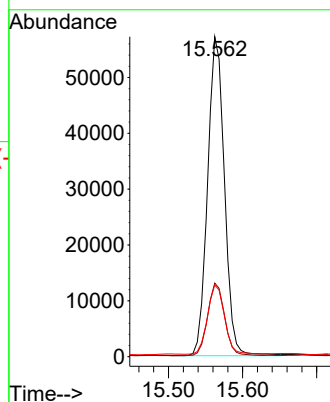
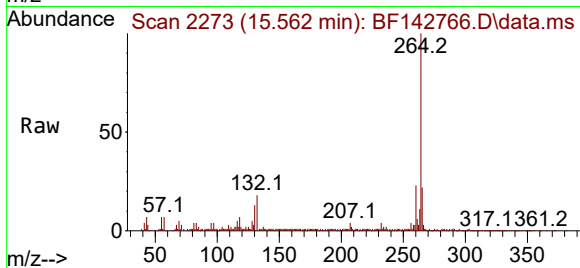
Tgt Ion:	264	Resp:	9035
Ion Ratio	Lower	Upper	
264	100		
260	23.0	17.8	26.6
265	22.4	16.6	25.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/13/2025

Supervised By :mohammad ahmed 06/13/2025



#88

Benzo(b)fluoranthene

Concen: 2.403 ng m

RT: 15.127 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Tgt Ion:	252	Resp:	12786
Ion Ratio	Lower	Upper	
252	100		
253	28.3	17.7	26.5#
125	21.4	7.8	11.6#

