

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142669.D
 Acq On : 07 Jun 2025 04:08
 Operator : RC/JU
 Sample : Q2198-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-207-SB02

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 05:51:13 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	6.892	152	127258	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	474666	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	241121	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	324662	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	257749	20.000	ng	-0.01
86) Perylene-d12	15.557	264	289821	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	512689	67.874	ng	0.00
7) Phenol-d6	6.516	99	643523	70.774	ng	-0.02
23) Nitrobenzene-d5	7.451	82	384967	44.224	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	166233	62.117	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	778894	43.346	ng	-0.02
79) Terphenyl-d14	13.004	244	479837	25.440	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	94716	5.459	ng	99
75) Fluoranthene	12.633	202	96973	5.981	ng	99
78) Pyrene	12.863	202	85849	3.570	ng	97
81) Benzo(a)anthracene	14.051	228	37937	2.204	ng	96
83) Chrysene	14.086	228	33052m	2.137	ng	
88) Benzo(b)fluoranthene	15.115	252	42177m	2.459	ng	
90) Benzo(a)pyrene	15.492	252	32369	2.002	ng	# 92

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

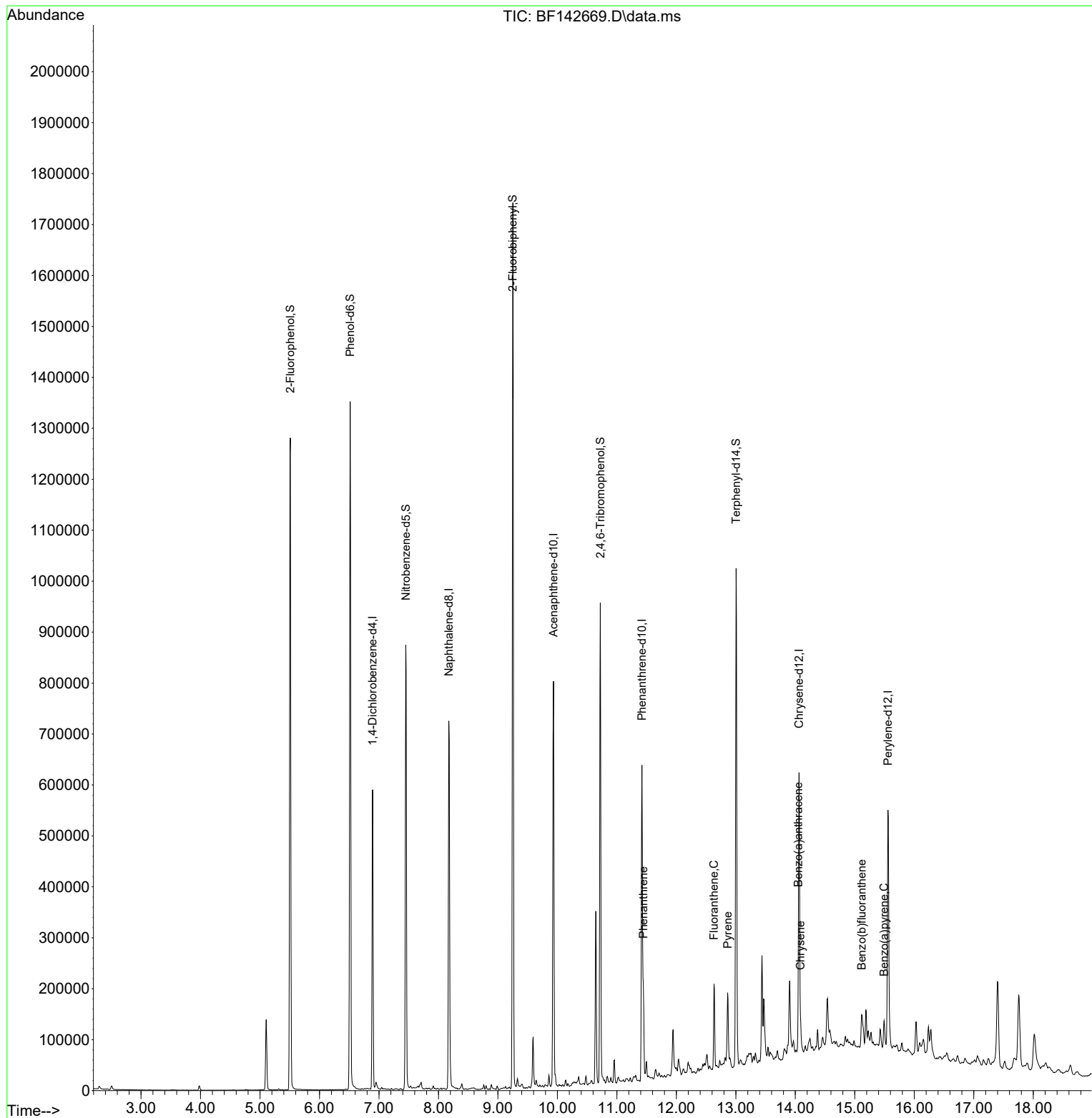
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142669.D
Acq On : 07 Jun 2025 04:08
Operator : RC/JU
Sample : Q2198-03
Misc :
ALS Vial : 30 Sample Multiplier: 1

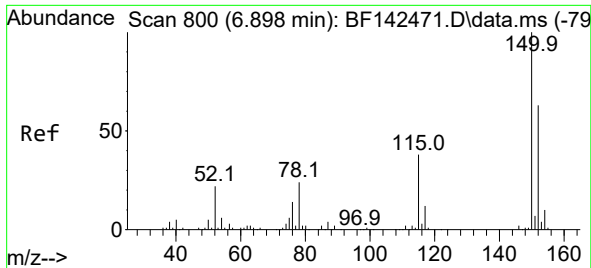
Instrument :
BNA_F
ClientSampleId :
B-207-SB02

Quant Time: Jun 07 05:51:13 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
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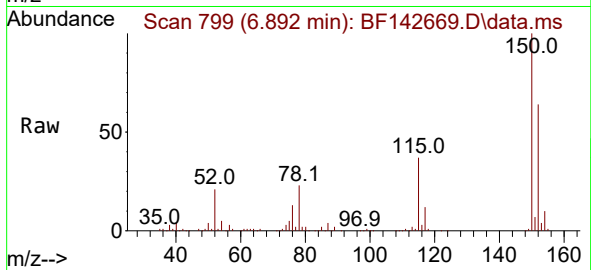
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

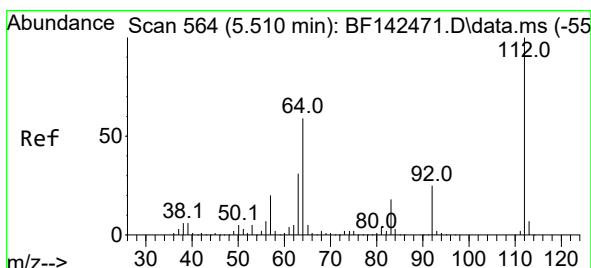
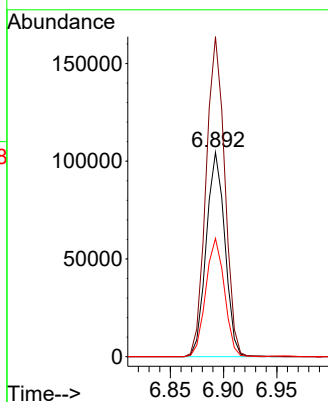
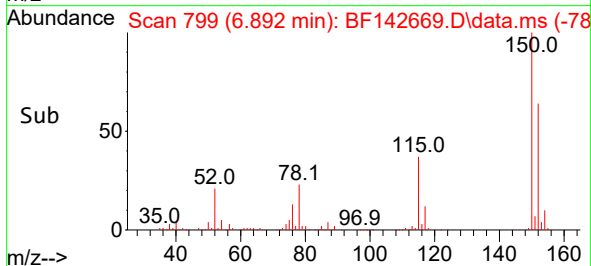
Instrument :
BNA_F
ClientSampleId :
B-207-SB02



Tgt Ion:152 Resp: 127258
Ion Ratio Lower Upper
152 100
150 156.6 128.2 192.4
115 57.9 48.3 72.5

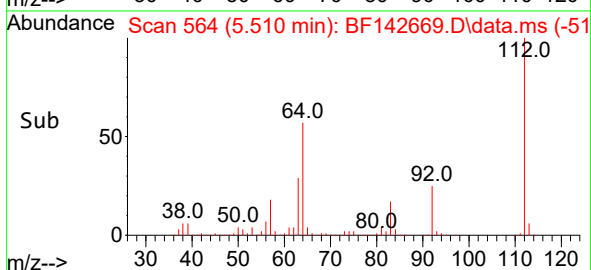
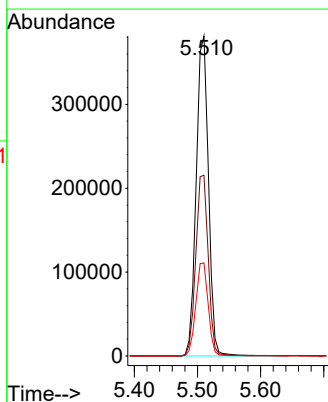
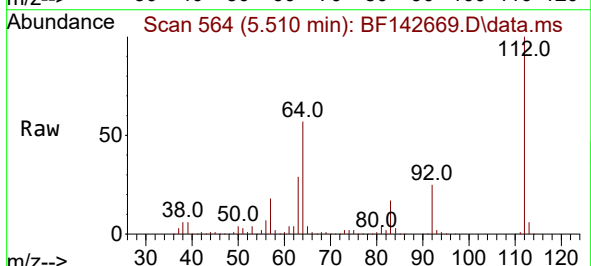
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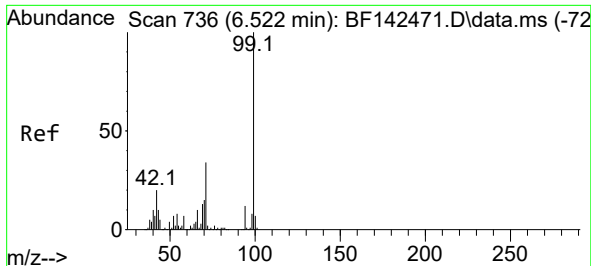
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#5
2-Fluorophenol
Concen: 67.874 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

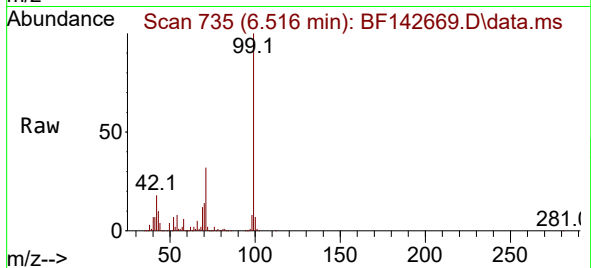
Tgt Ion:112 Resp: 512689
Ion Ratio Lower Upper
112 100
64 56.5 47.5 71.3
63 29.0 24.9 37.3





#7
Phenol-d6
Concen: 70.774 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

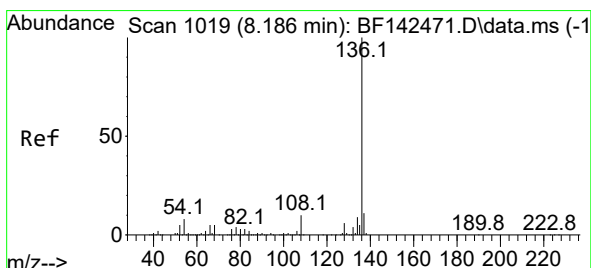
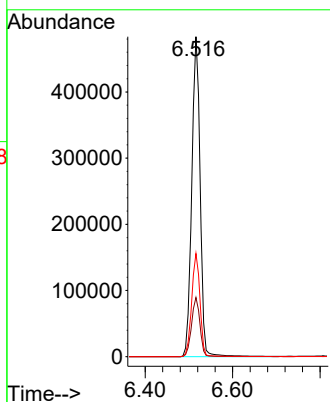
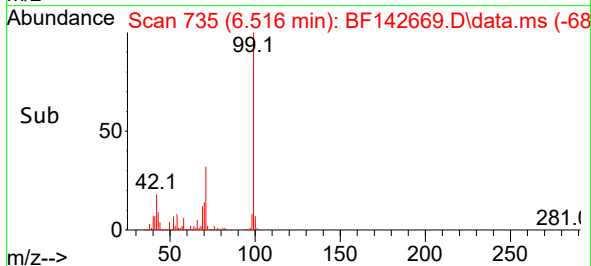
Instrument :
BNA_F
ClientSampleId :
B-207-SB02



Tgt Ion: 99 Resp: 64352
Ion Ratio Lower Upper
99 100
42 18.5 16.2 24.2
71 32.3 27.3 40.9

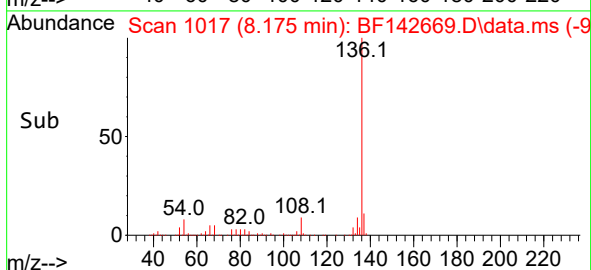
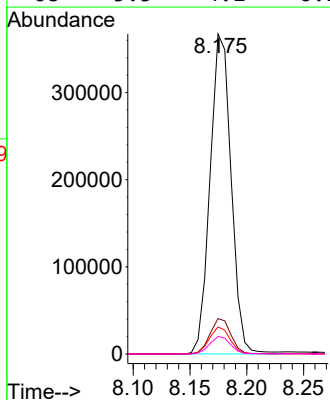
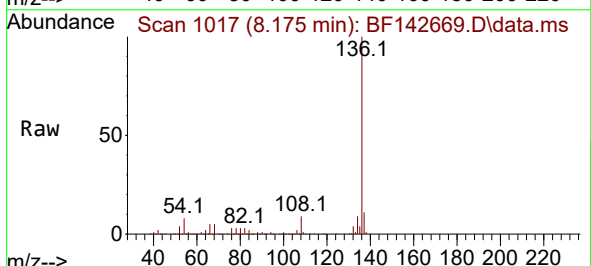
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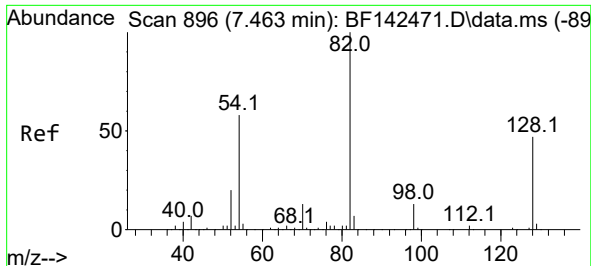
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Tgt Ion:136 Resp: 474666
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 8.4 6.6 10.0
68 5.5 4.1 6.1





#23
Nitrobenzene-d5
Concen: 44.224 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.023 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Instrument :

BNA_F

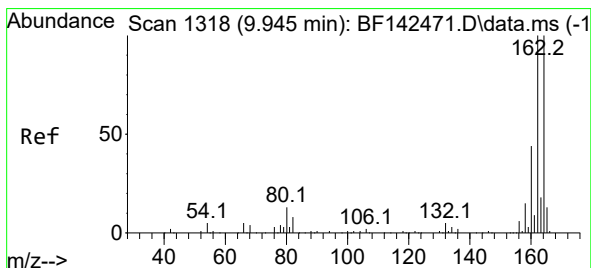
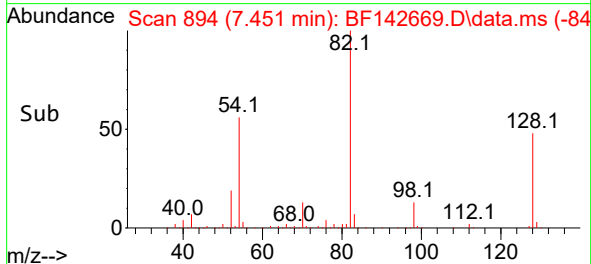
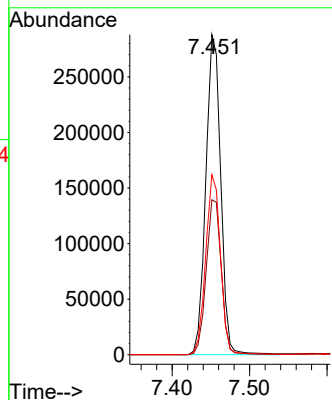
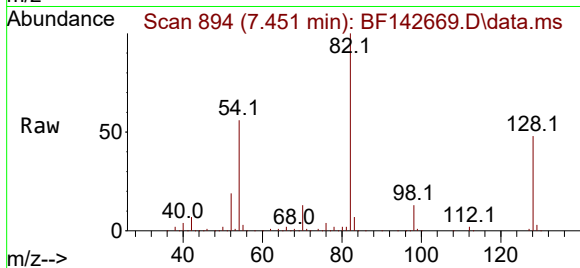
ClientSampleId :

B-207-SB02

Tgt Ion: 82 Resp: 38496
Ion Ratio Lower Upper
82 100
128 48.4 37.4 56.2
54 56.2 46.6 70.0

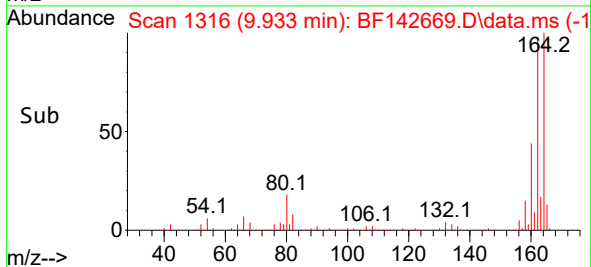
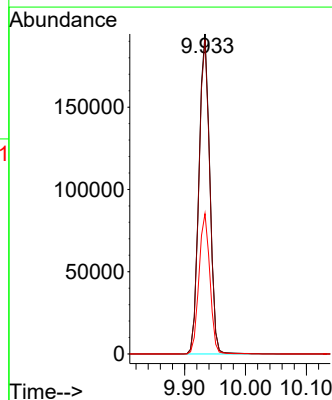
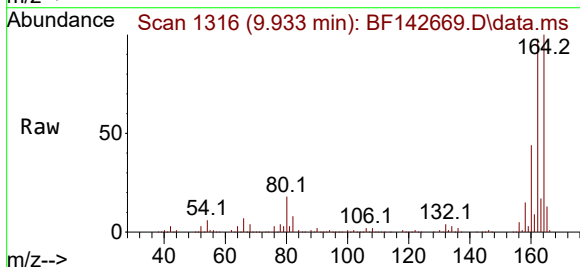
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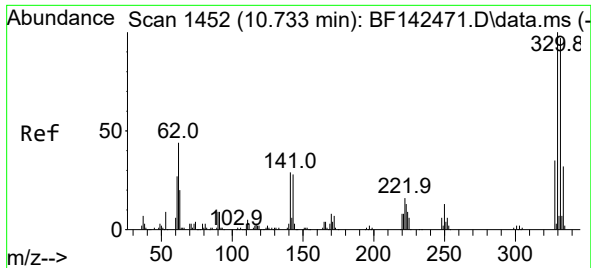
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

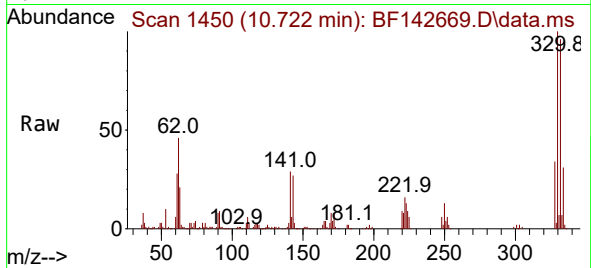
Tgt Ion:164 Resp: 241121
Ion Ratio Lower Upper
164 100
162 98.2 80.2 120.4
160 43.9 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 62.117 ng
RT: 10.722 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

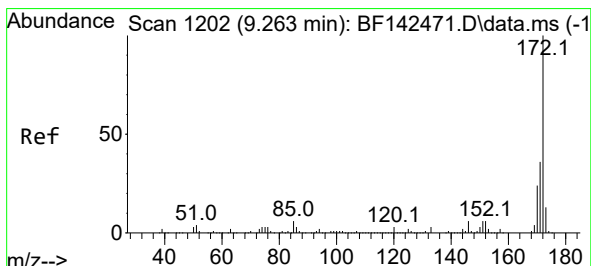
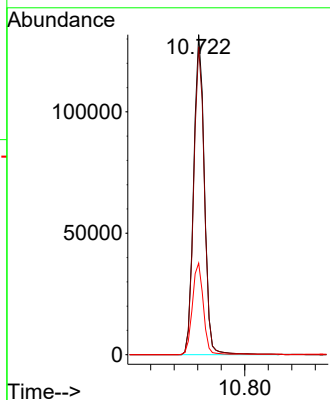
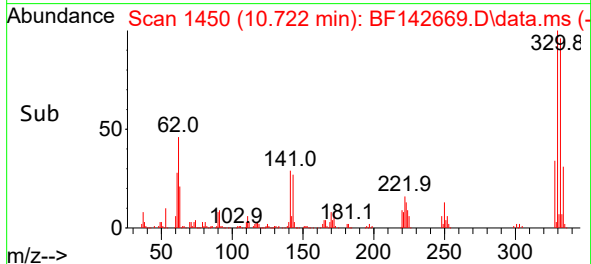
Instrument :
BNA_F
ClientSampleId :
B-207-SB02



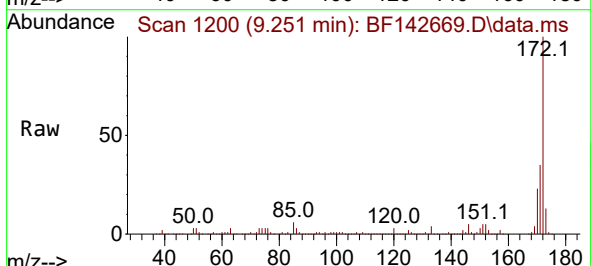
Tgt Ion: 330 Resp: 166233
Ion Ratio Lower Upper
330 100
332 96.5 77.6 116.4
141 29.3 24.6 36.8

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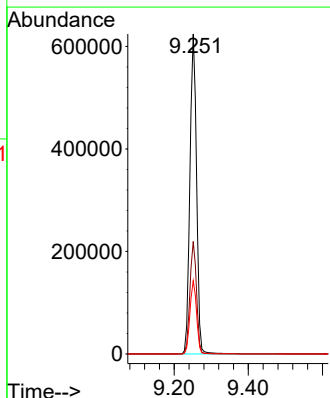
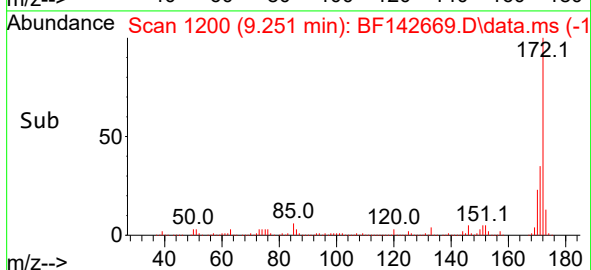
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

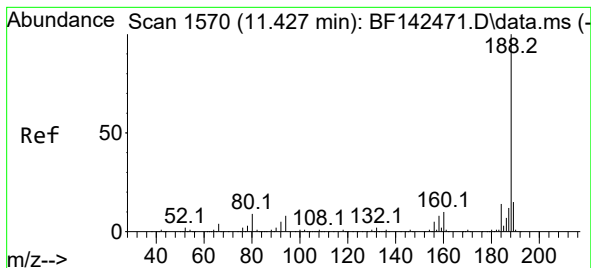


#45
2-Fluorobiphenyl
Concen: 43.346 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08



Tgt Ion: 172 Resp: 778894
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.9 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: BF142669.D

Acq: 07 Jun 2025 04:08

Instrument :

BNA_F

ClientSampleId :

B-207-SB02

Tgt Ion:188 Resp: 324662

Ion Ratio Lower Upper

188 100

94 8.6 6.6 10.0

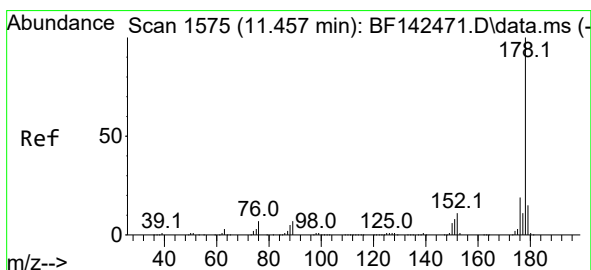
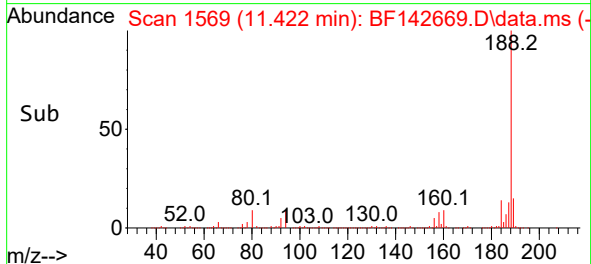
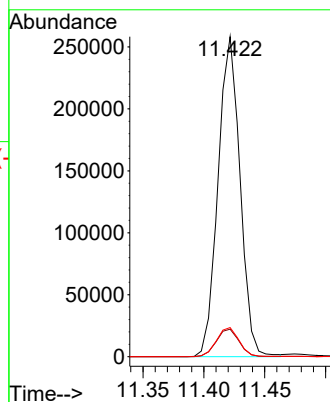
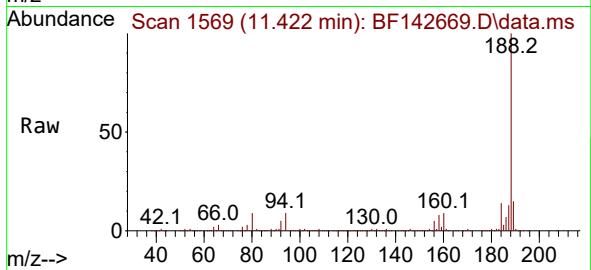
80 9.1 7.4 11.0

Manual Integrations

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Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#71

Phenanthrene

Concen: 5.459 ng

RT: 11.445 min Scan# 1573

Delta R.T. -0.012 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

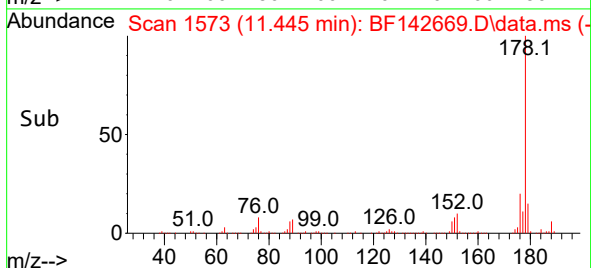
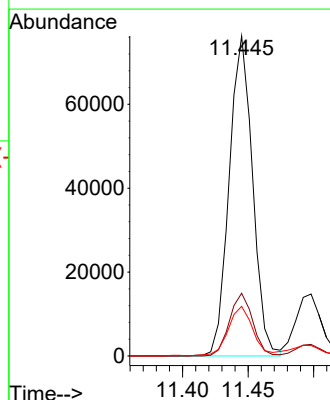
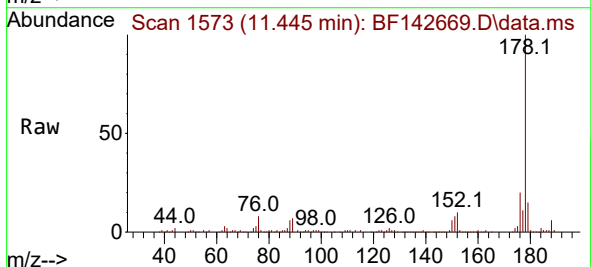
Tgt Ion:178 Resp: 94716

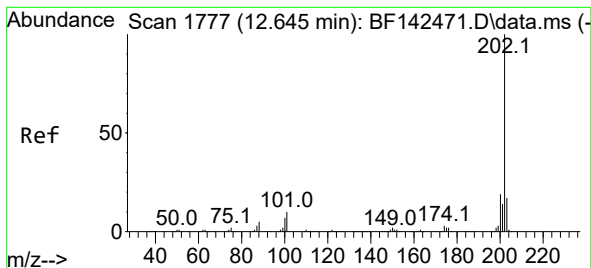
Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.0

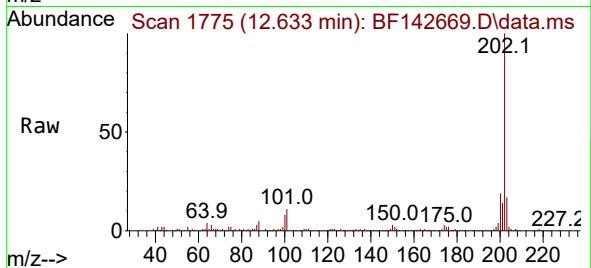
179 15.5 12.3 18.5





#75
Fluoranthene
Concen: 5.981 ng
RT: 12.633 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

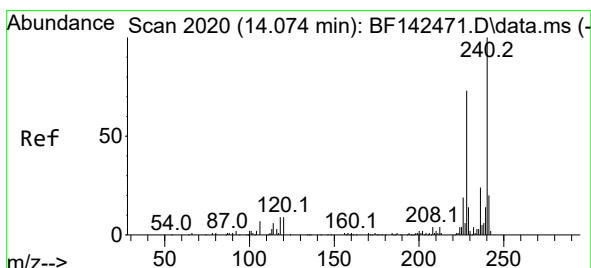
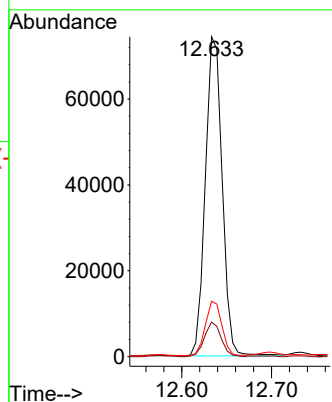
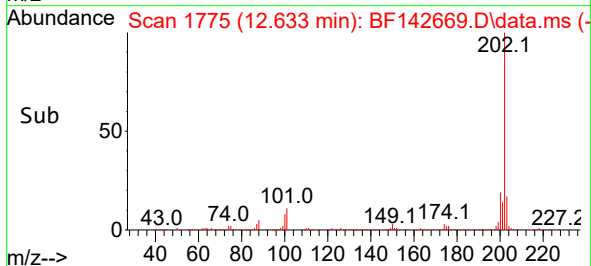
Instrument :
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B-207-SB02



Tgt Ion:202 Resp: 9697
Ion Ratio Lower Upper
202 100
101 10.8 0.0 29.6
203 17.3 0.0 37.2

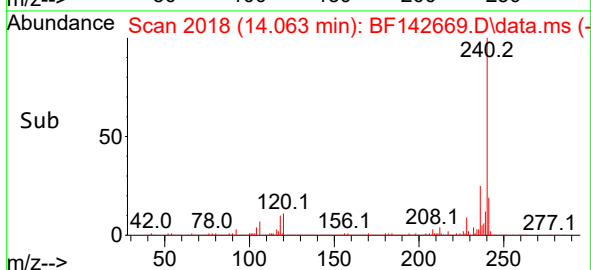
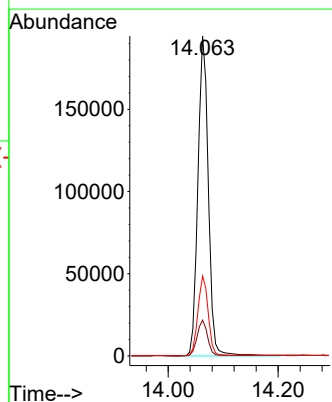
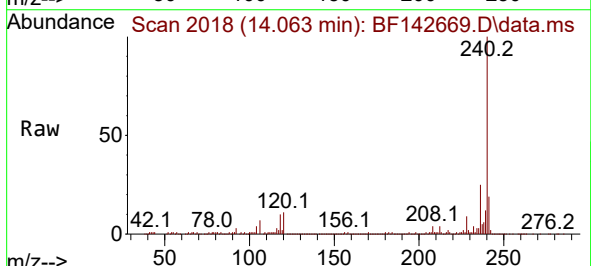
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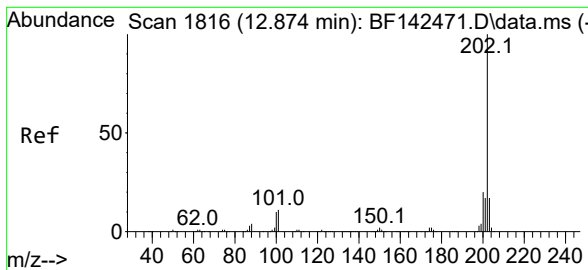
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

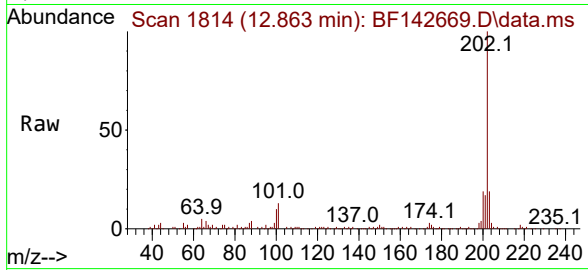
Tgt Ion:240 Resp: 257749
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 25.0 19.6 29.4





#78
Pyrene
Concen: 3.570 ng
RT: 12.863 min Scan# 1814
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

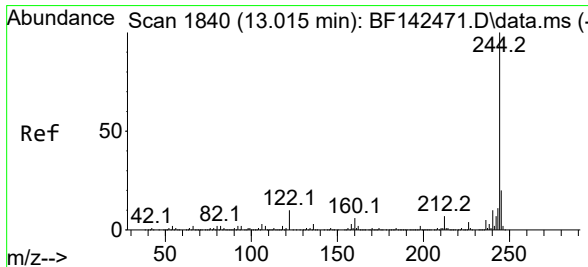
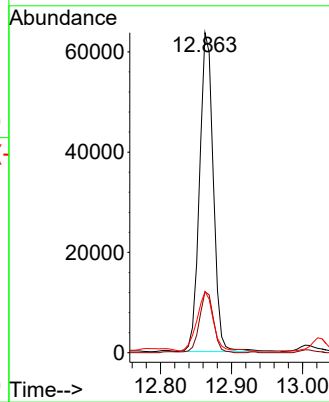
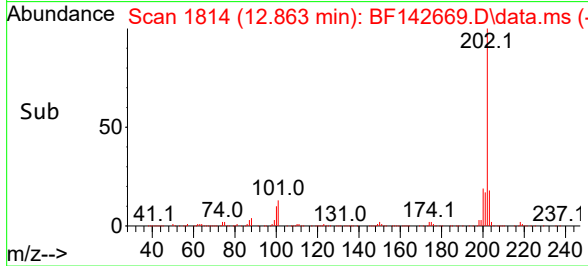
Instrument :
BNA_F
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B-207-SB02



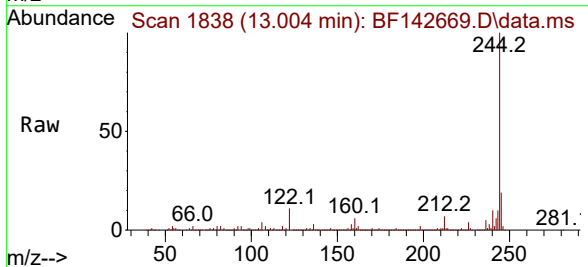
Tgt Ion:202 Resp: 85849
Ion Ratio Lower Upper
202 100
200 19.0 16.1 24.1
203 19.0 13.9 20.9

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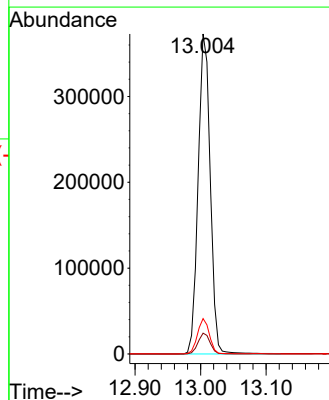
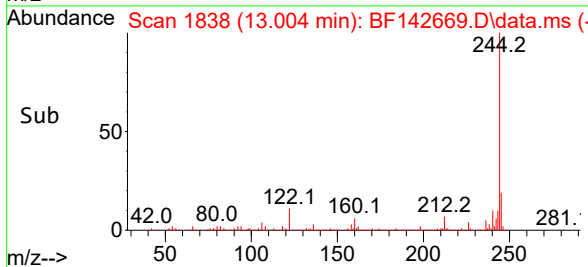
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

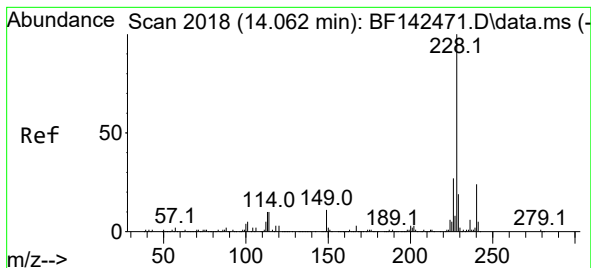


#79
Terphenyl-d14
Concen: 25.440 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08



Tgt Ion:244 Resp: 479837
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 11.1 8.2 12.2





#81

Benzo(a)anthracene

Concen: 2.204 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.012 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

Instrument :

BNA_F

ClientSampleId :

B-207-SB02

Tgt Ion:228 Resp: 3793

Ion Ratio Lower Upper

228 100

226 27.7 21.2 31.8

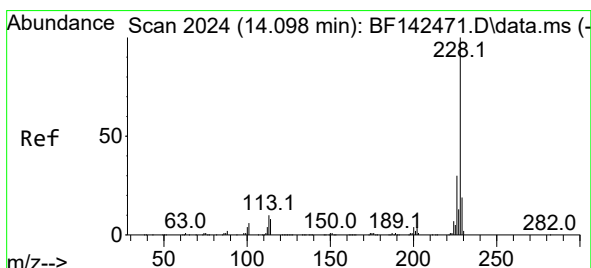
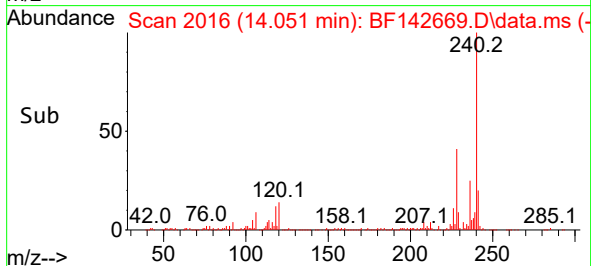
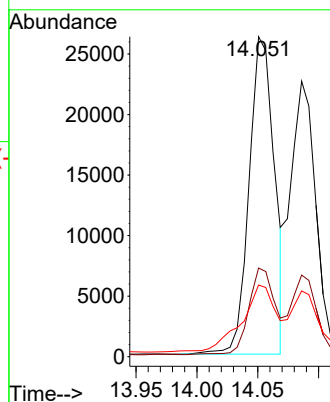
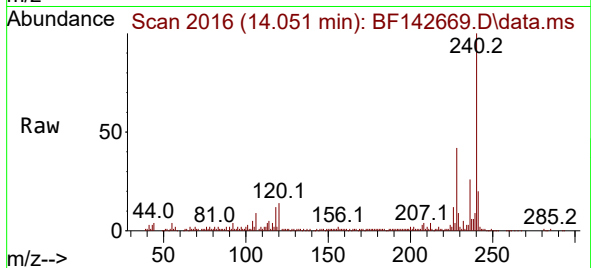
229 22.4 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#83

Chrysene

Concen: 2.137 ng m

RT: 14.086 min Scan# 2022

Delta R.T. -0.018 min

Lab File: BF142669.D

Acq: 07 Jun 2025 04:08

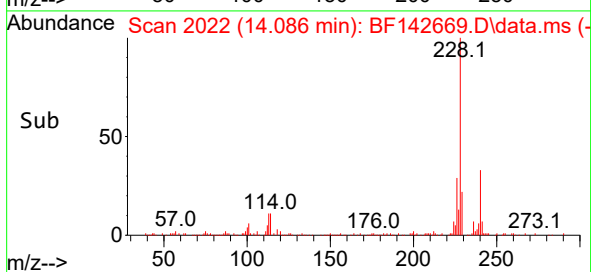
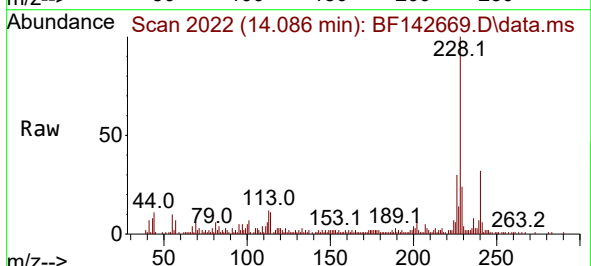
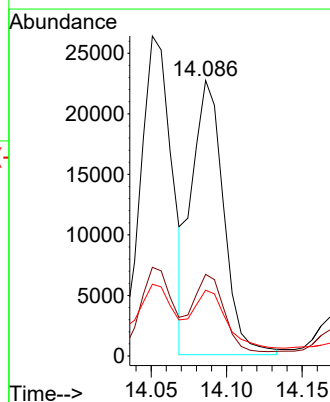
Tgt Ion:228 Resp: 33052

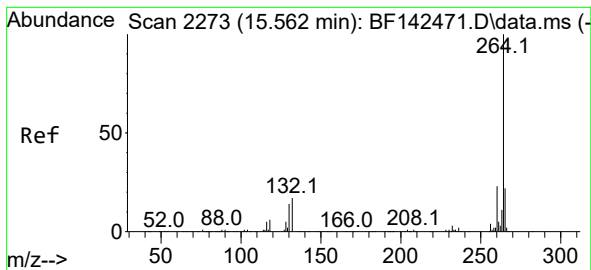
Ion Ratio Lower Upper

228 100

226 29.6 23.8 35.6

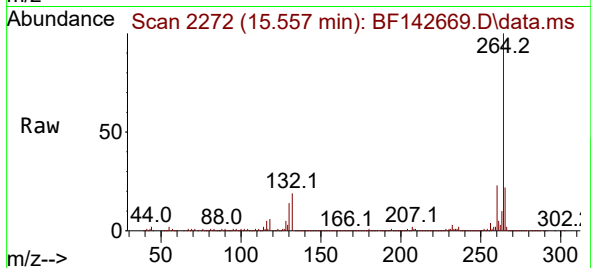
229 23.9 15.4 23.2#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

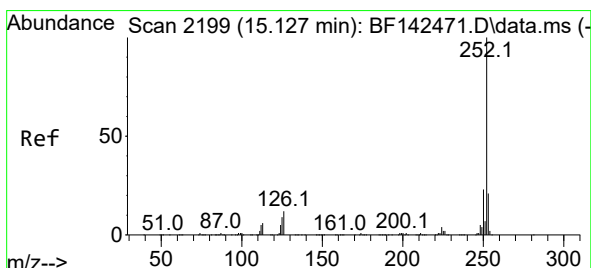
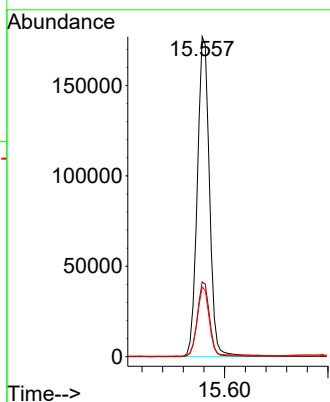
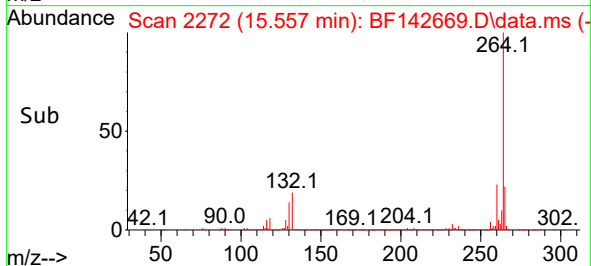
Instrument :
BNA_F
ClientSampleId :
B-207-SB02



Tgt Ion:264 Resp: 28982
Ion Ratio Lower Upper
264 100
260 23.3 18.6 28.0
265 21.7 17.7 26.5

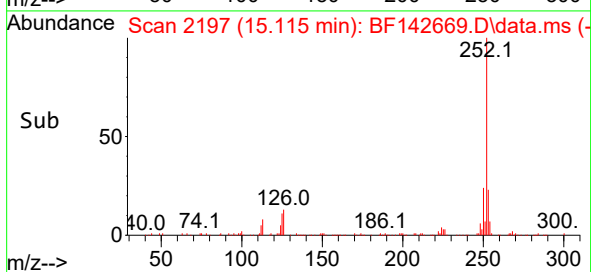
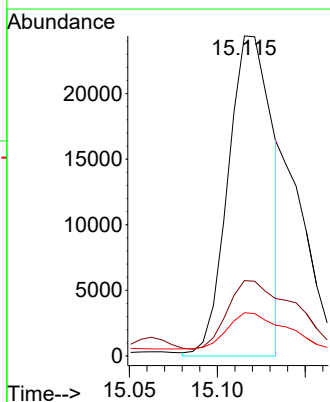
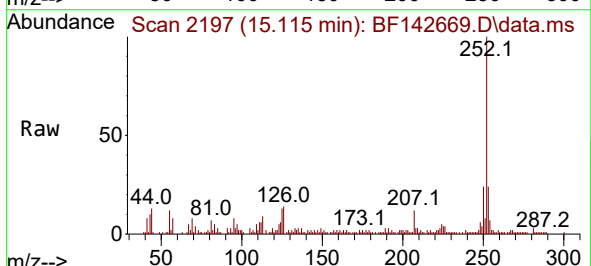
Manual Integrations
APPROVED

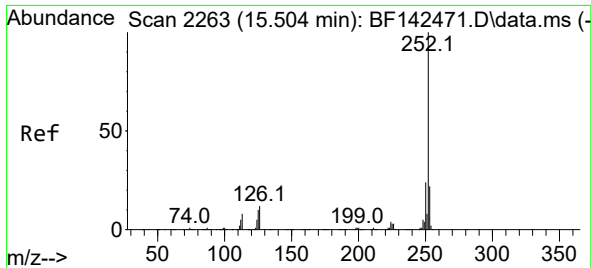
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#88
Benzo(b)fluoranthene
Concen: 2.459 ng m
RT: 15.115 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

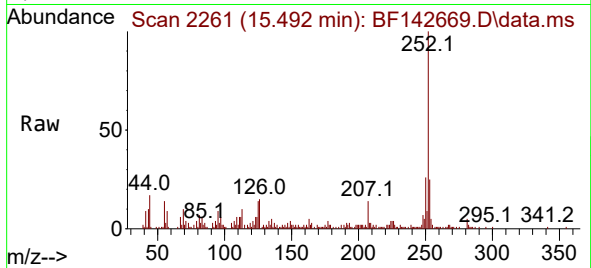
Tgt Ion:252 Resp: 42177
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 13.5 7.4 11.0#





#90
Benzo(a)pyrene
Concen: 2.002 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF142669.D
Acq: 07 Jun 2025 04:08

Instrument :
BNA_F
ClientSampleId :
B-207-SB02



Tgt Ion:252 Resp: 32369
Ion Ratio Lower Upper
252 100
253 24.9 17.4 26.0
125 13.6 7.9 11.9

Manual Integrations
APPROVED

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

