

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142646.D
 Acq On : 06 Jun 2025 14:58
 Operator : RC/JU
 Sample : Q2219-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11995

Manual Integrations
 APPROVED

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

Quant Time: Jun 06 15:26:20 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	132036	20.000	ng	-0.01
21) Naphthalene-d8	8.175	136	509684	20.000	ng	-0.01
39) Acenaphthene-d10	9.933	164	268752	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	430972	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	247466	20.000	ng	-0.01
86) Perylene-d12	15.563	264	285837	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	680155	86.787	ng	0.00
7) Phenol-d6	6.516	99	826406	87.599	ng	-0.02
23) Nitrobenzene-d5	7.457	82	491647	52.599	ng	-0.02
42) 2,4,6-Tribromophenol	10.728	330	248456	83.296	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	1034651	51.659	ng	-0.02
79) Terphenyl-d14	13.010	244	796242	43.970	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	71582	3.108	ng	98
75) Fluoranthene	12.639	202	89224	4.146	ng	99
78) Pyrene	12.869	202	90490	3.920	ng	98
81) Benzo(a)anthracene	14.057	228	35988	2.178	ng	93
83) Chrysene	14.092	228	32775	2.207	ng	95
88) Benzo(b)fluoranthene	15.121	252	41385m	2.446	ng	

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

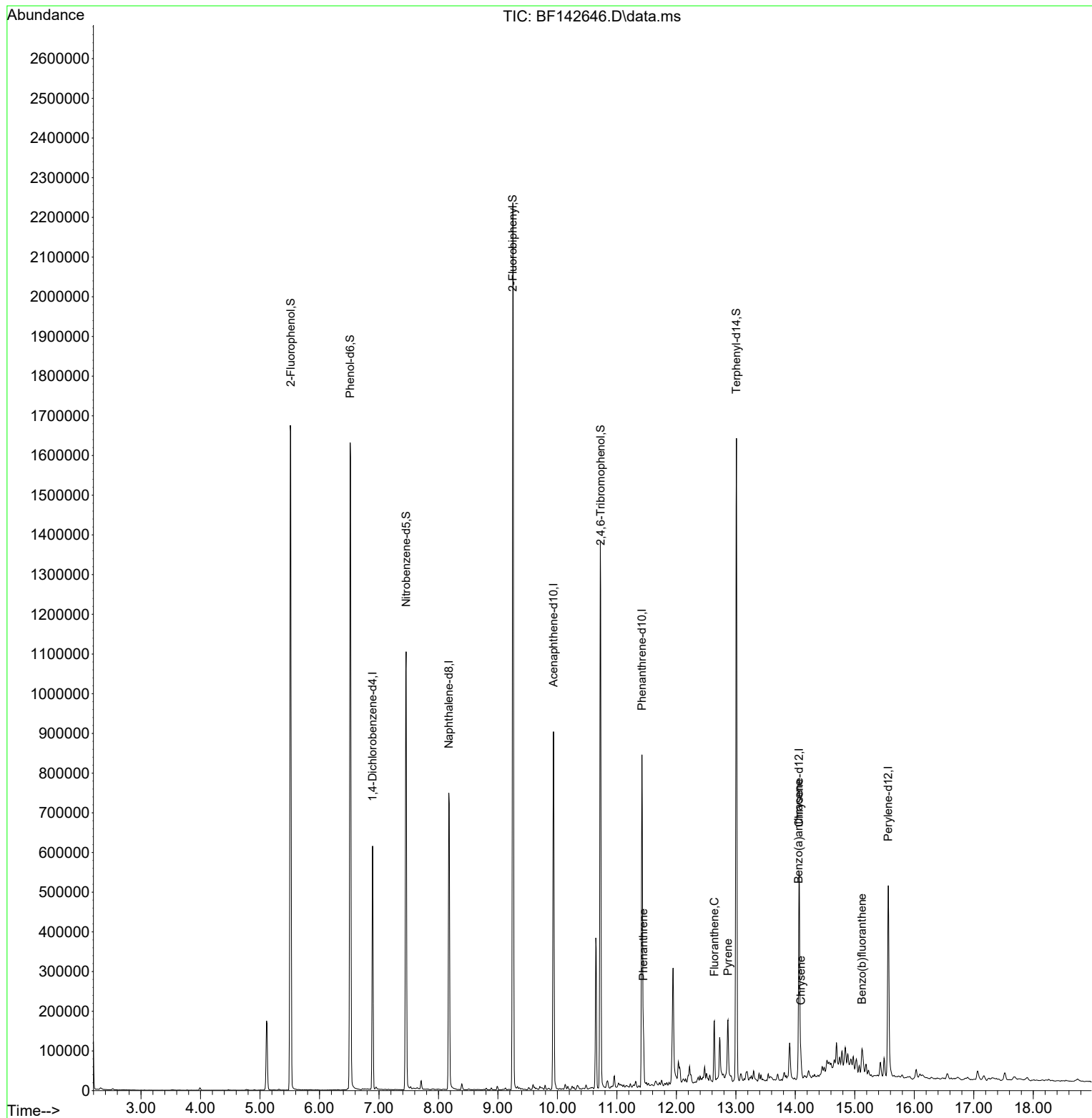
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
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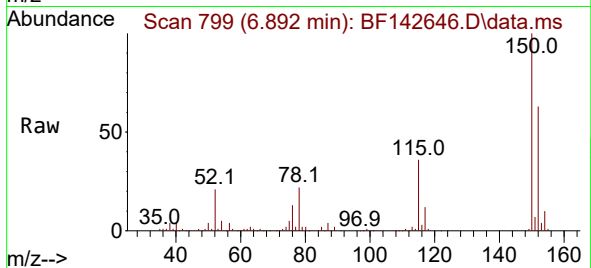
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58

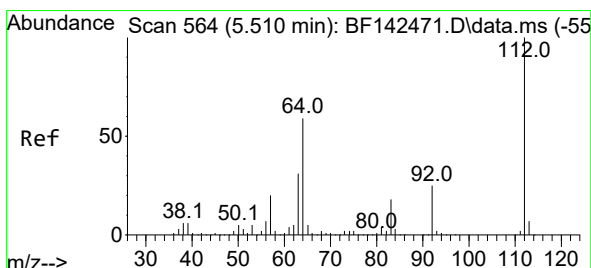
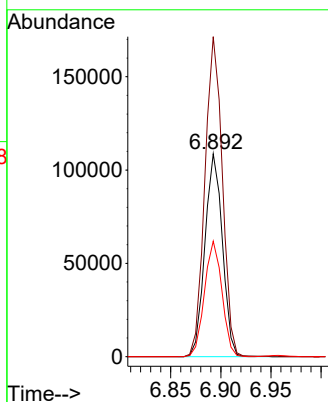
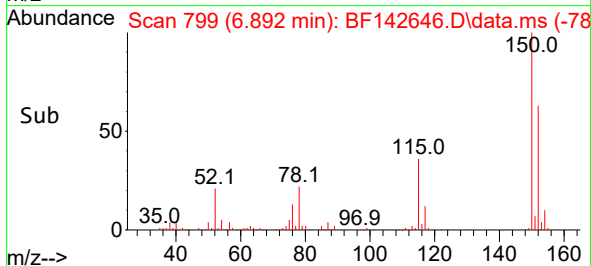
Instrument :
BNA_F
ClientSampleId :
72-11995



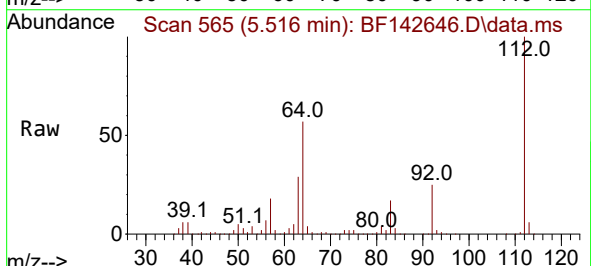
Tgt Ion:152 Resp: 132030
Ion Ratio Lower Upper
152 100
150 157.7 128.2 192.4
115 56.9 48.3 72.5

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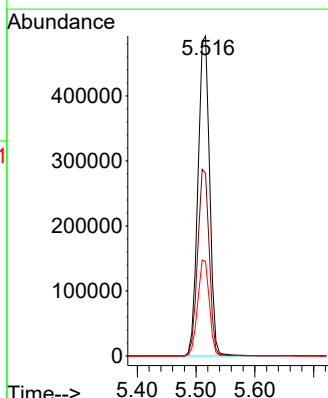
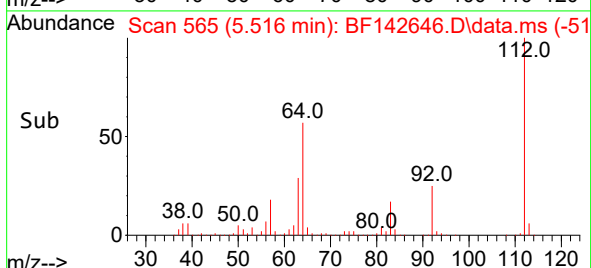
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

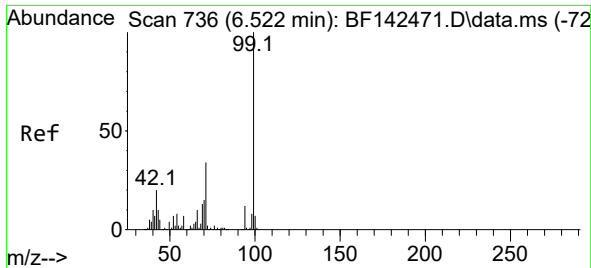


#5
2-Fluorophenol
Concen: 86.787 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.000 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58



Tgt Ion:112 Resp: 680155
Ion Ratio Lower Upper
112 100
64 57.0 47.5 71.3
63 29.5 24.9 37.3





#7

Phenol-d6

Concen: 87.599 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.018 min

Lab File: BF142646.D

Acq: 06 Jun 2025 14:58

Instrument :

BNA_F

ClientSampleId :

72-11995

Tgt Ion: 99 Resp: 826400

Ion Ratio Lower Upper

99 100

42 19.6 16.2 24.2

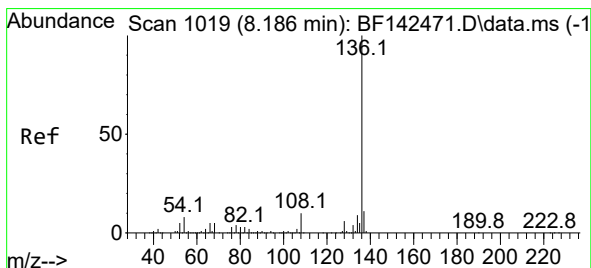
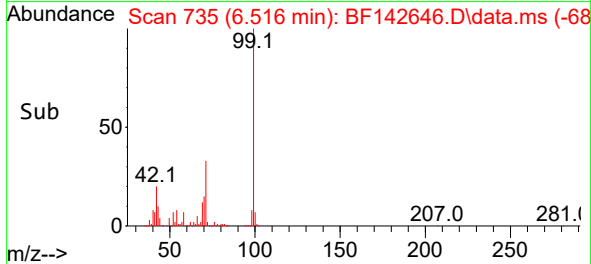
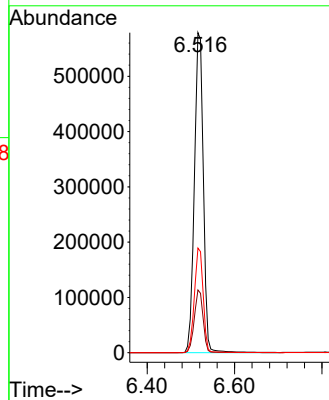
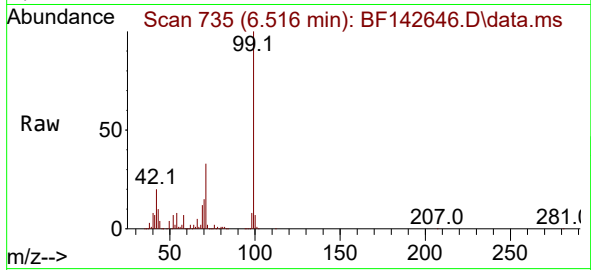
71 32.7 27.3 40.9

Manual Integrations

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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: BF142646.D

Acq: 06 Jun 2025 14:58

Tgt Ion:136 Resp: 509684

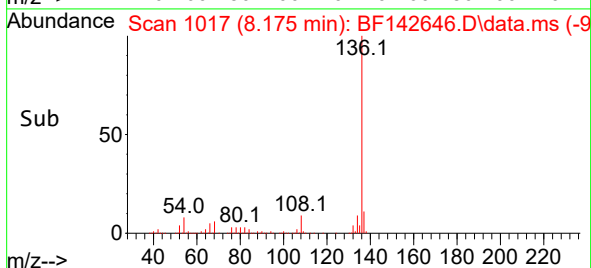
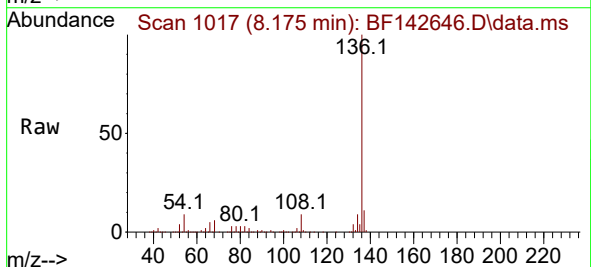
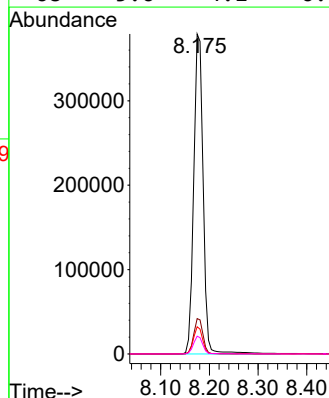
Ion Ratio Lower Upper

136 100

137 11.0 8.6 13.0

54 8.5 6.6 10.0

68 5.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 52.599 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.017 min

Lab File: BF142646.D

Acq: 06 Jun 2025 14:58

Instrument :

BNA_F

ClientSampleId :

72-11995

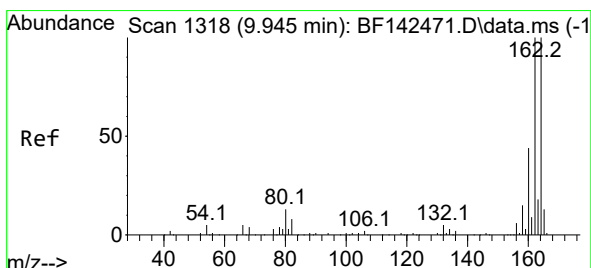
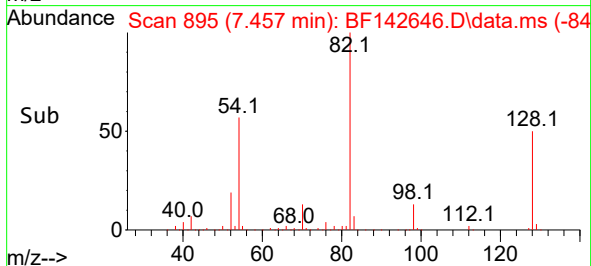
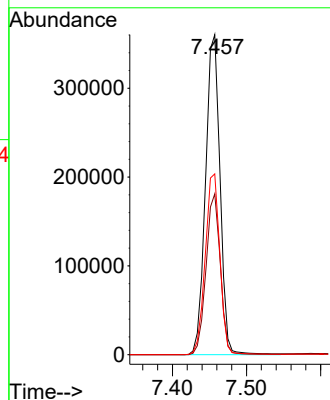
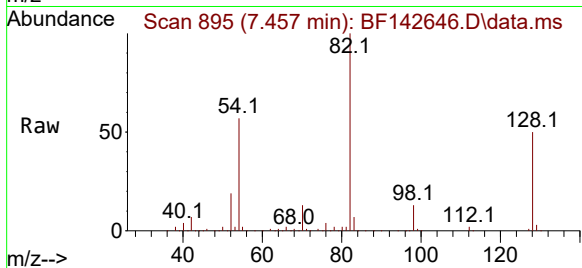
Tgt Ion: 82 Resp: 49164
 Ion Ratio Lower Upper
 82 100
 128 50.2 37.4 56.2
 54 56.5 46.6 70.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

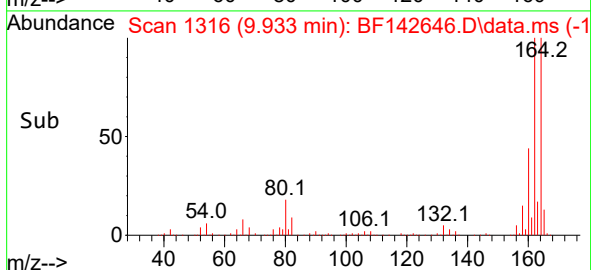
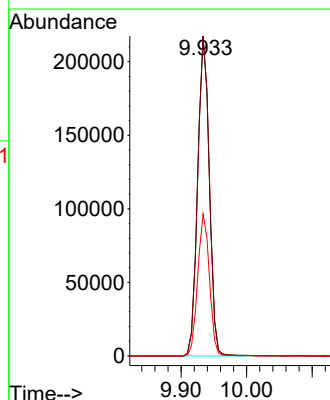
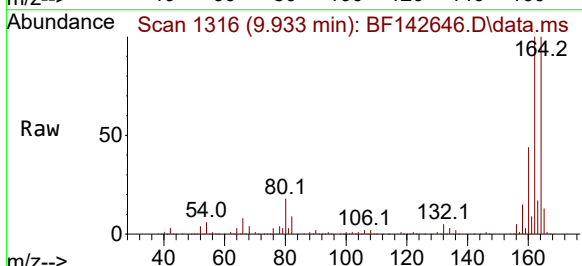
RT: 9.933 min Scan# 1316

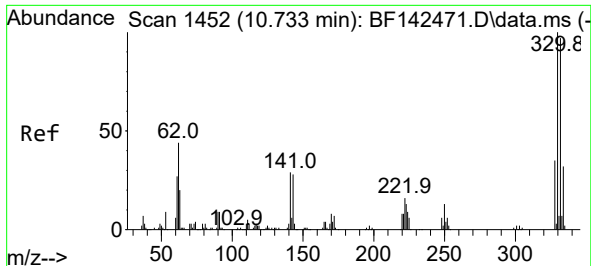
Delta R.T. -0.012 min

Lab File: BF142646.D

Acq: 06 Jun 2025 14:58

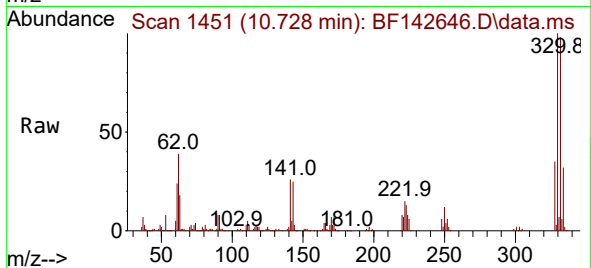
Tgt Ion:164 Resp: 268752
 Ion Ratio Lower Upper
 164 100
 162 100.4 80.2 120.4
 160 44.5 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 83.296 ng
RT: 10.728 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58

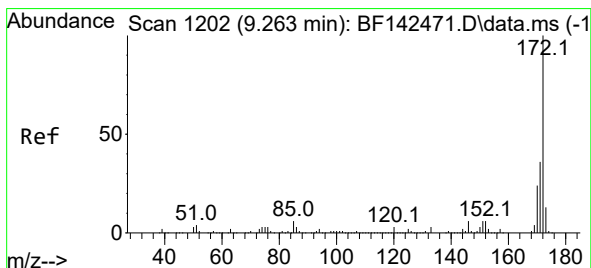
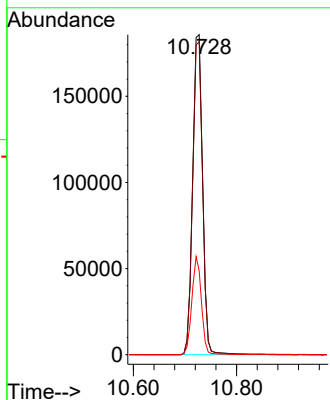
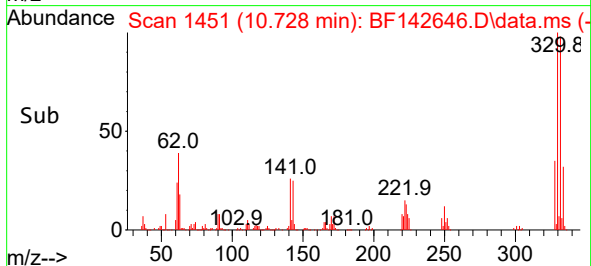
Instrument :
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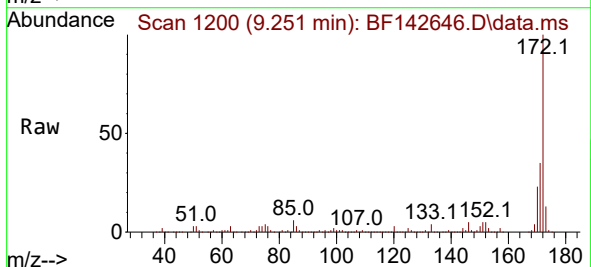
Tgt Ion: 330 Resp: 248450
Ion Ratio Lower Upper
330 100
332 97.7 77.6 116.4
141 29.4 24.6 36.8

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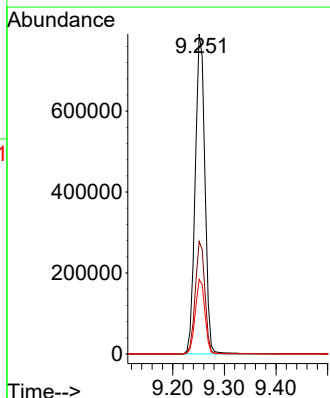
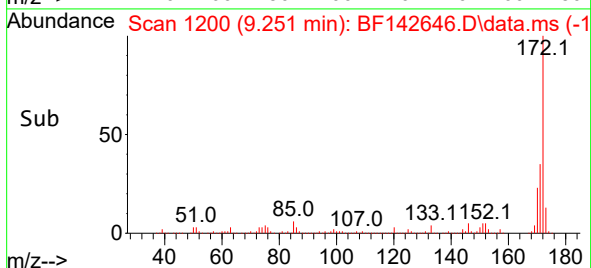
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#45
2-Fluorobiphenyl
Concen: 51.659 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58



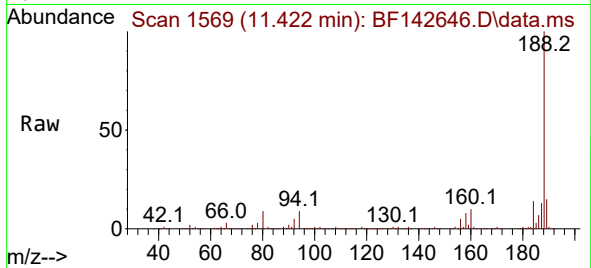
Tgt Ion: 172 Resp: 1034651
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 23.3 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58

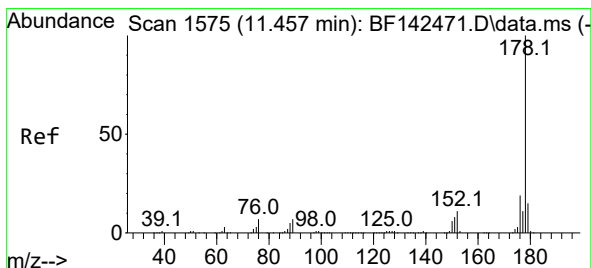
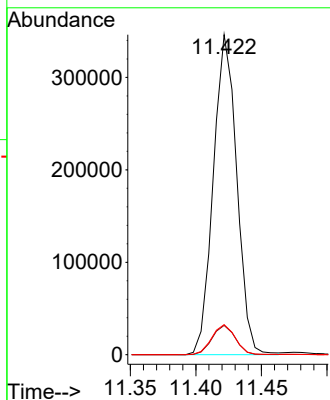
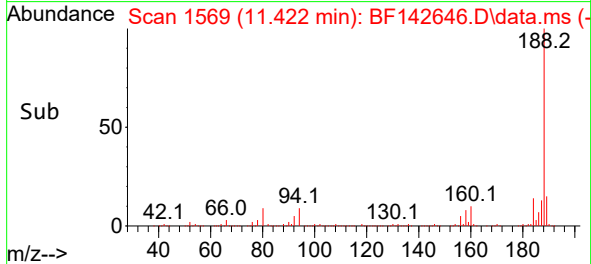
Instrument :
BNA_F
ClientSampleId :
72-11995



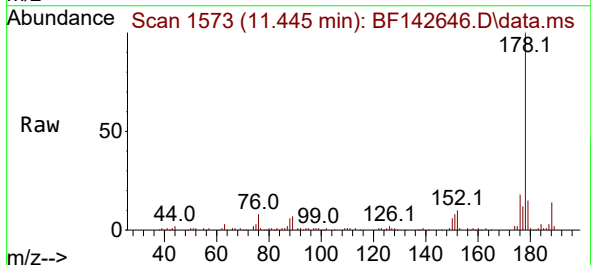
Tgt Ion:188 Resp: 430972
Ion Ratio Lower Upper
188 100
94 9.2 6.6 10.0
80 9.4 7.4 11.0

Manual Integrations
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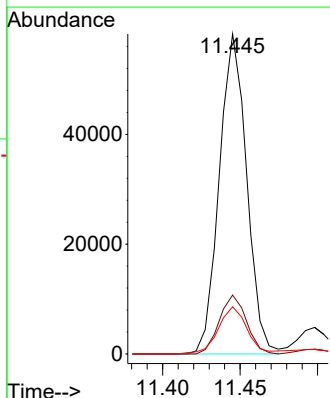
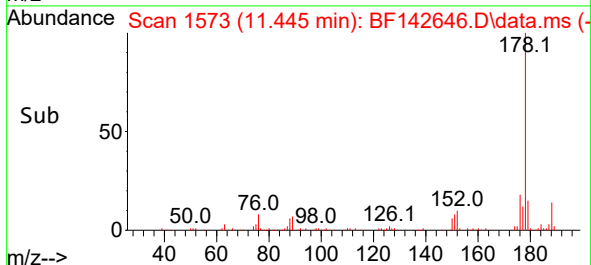
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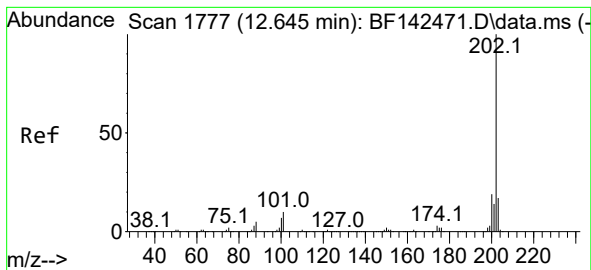


#71
Phenanthrene
Concen: 3.108 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58



Tgt Ion:178 Resp: 71582
Ion Ratio Lower Upper
178 100
176 18.4 15.4 23.0
179 14.7 12.3 18.5





#75

Fluoranthene

Concen: 4.146 ng

RT: 12.639 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142646.D

Acq: 06 Jun 2025 14:58

Instrument :

BNA_F

ClientSampleId :

72-11995

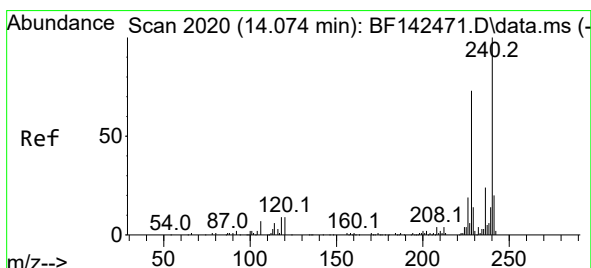
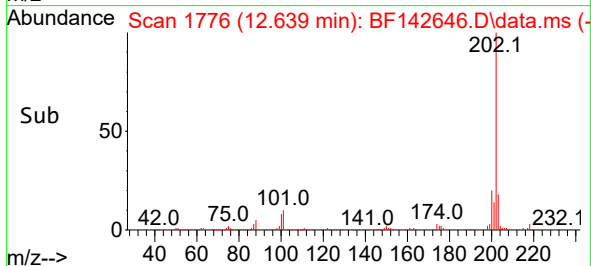
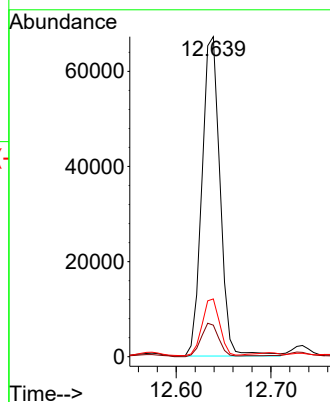
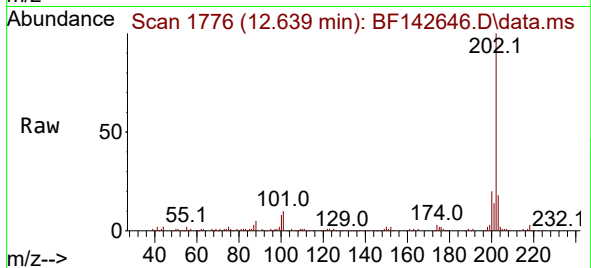
Tgt Ion:202 Resp: 89224
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 29.6
 203 18.0 0.0 37.2

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#76

Chrysene-d12

Concen: 20.000 ng

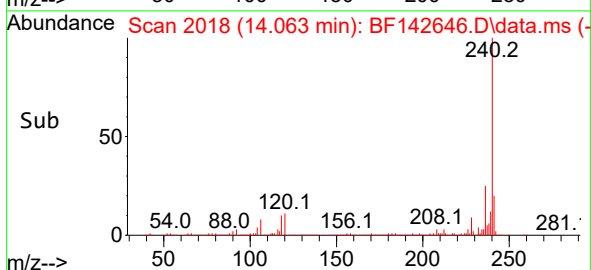
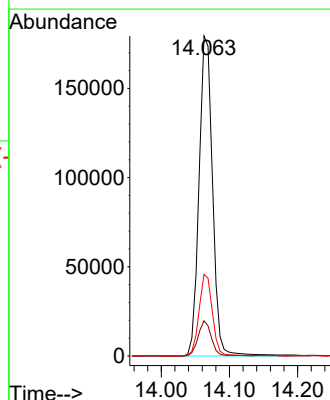
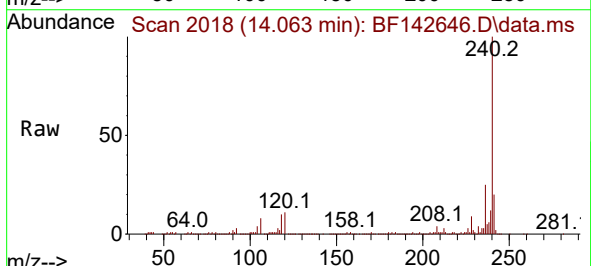
RT: 14.063 min Scan# 2018

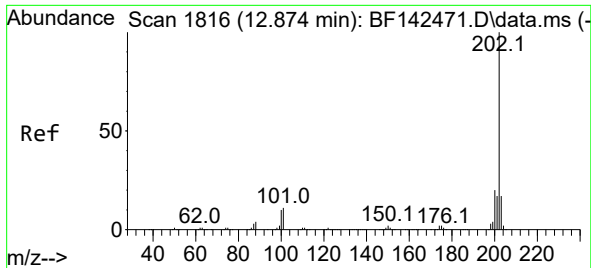
Delta R.T. -0.012 min

Lab File: BF142646.D

Acq: 06 Jun 2025 14:58

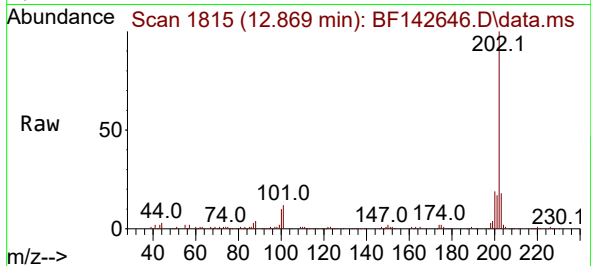
Tgt Ion:240 Resp: 247466
 Ion Ratio Lower Upper
 240 100
 120 11.0 7.5 11.3
 236 25.5 19.6 29.4





#78
Pyrene
Concen: 3.920 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58

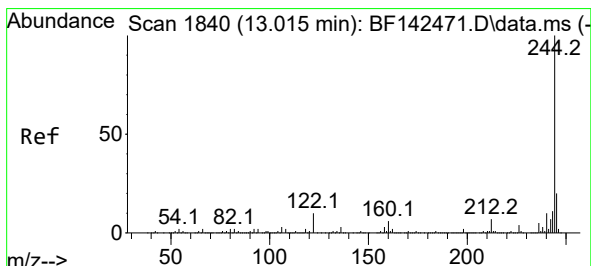
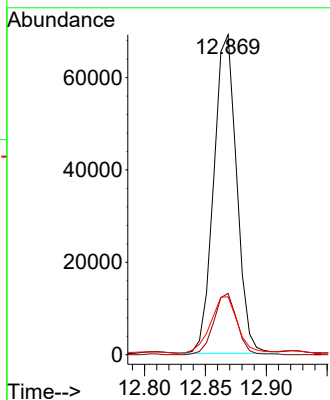
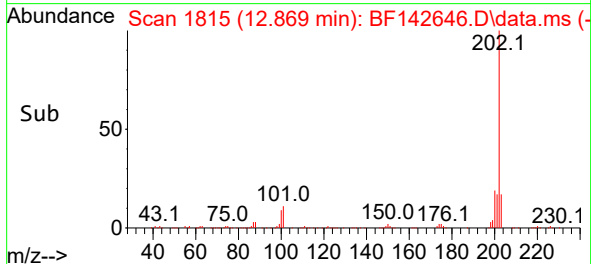
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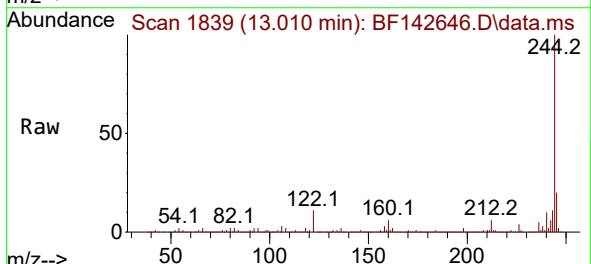
Tgt Ion:202 Resp: 90490
Ion Ratio Lower Upper
202 100
200 19.1 16.1 24.1
203 18.1 13.9 20.9

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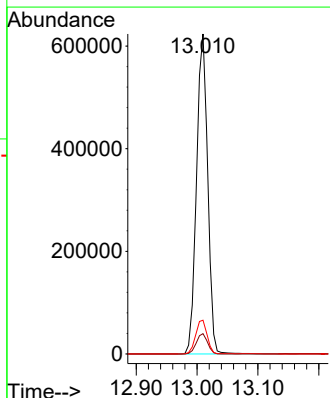
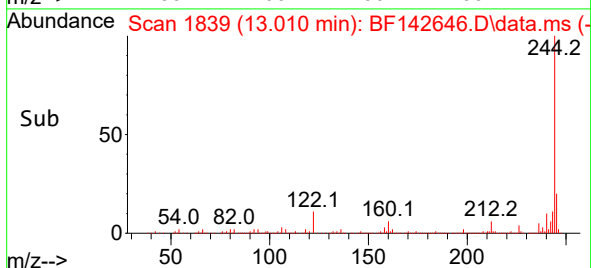
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

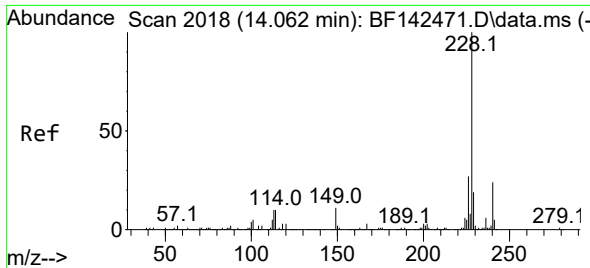


#79
Terphenyl-d14
Concen: 43.970 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58



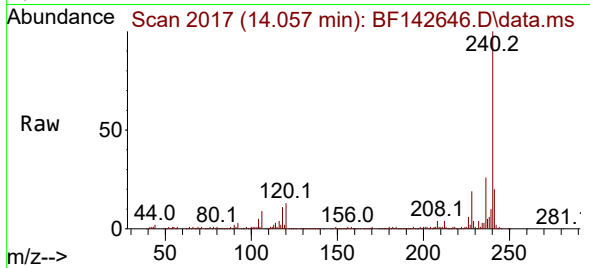
Tgt Ion:244 Resp: 796242
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 10.6 8.2 12.2





#81
Benzo(a)anthracene
Concen: 2.178 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58

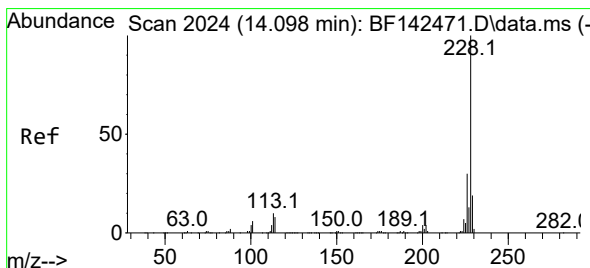
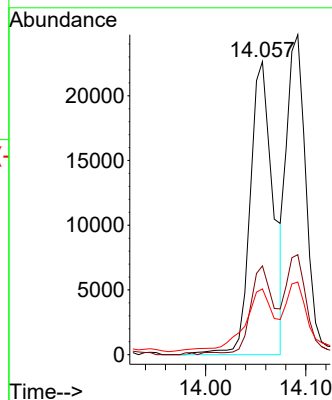
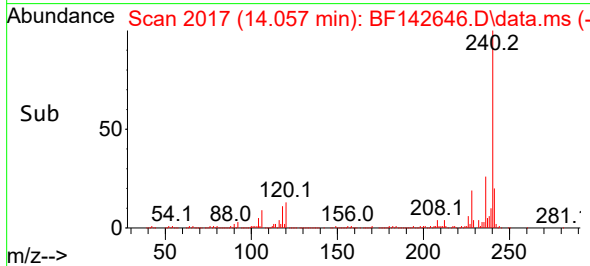
Instrument :
BNA_F
ClientSampleId :
72-11995



Tgt Ion:228 Resp: 3598
Ion Ratio Lower Upper
228 100
226 30.3 21.2 31.8
229 22.4 15.5 23.3

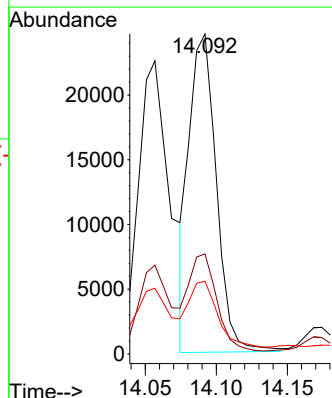
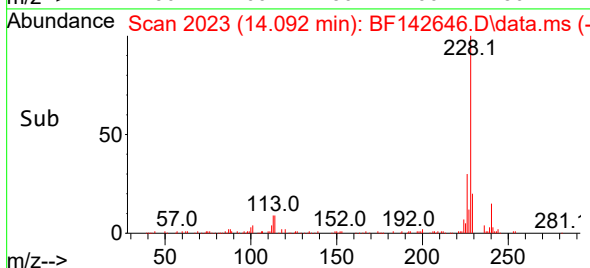
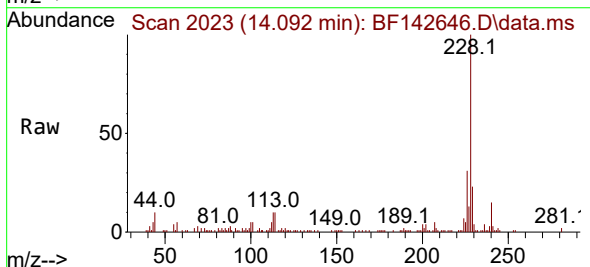
Manual Integrations
APPROVED

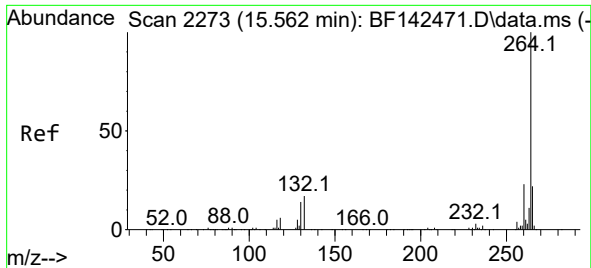
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#83
Chrysene
Concen: 2.207 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58

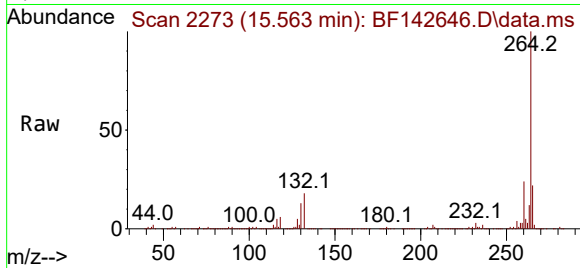
Tgt Ion:228 Resp: 32775
Ion Ratio Lower Upper
228 100
226 31.2 23.8 35.6
229 22.7 15.4 23.2





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58

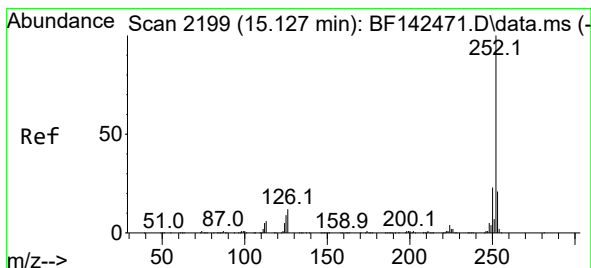
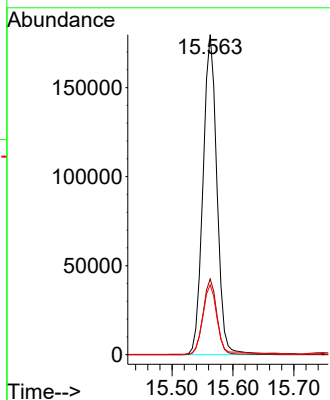
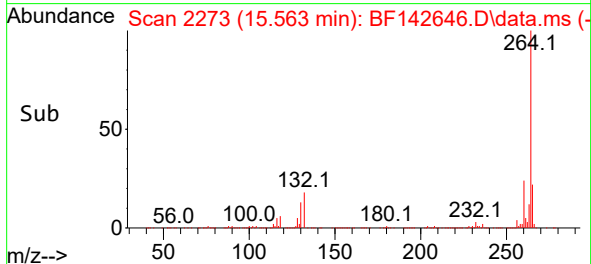
Instrument :
BNA_F
ClientSampleId :
72-11995



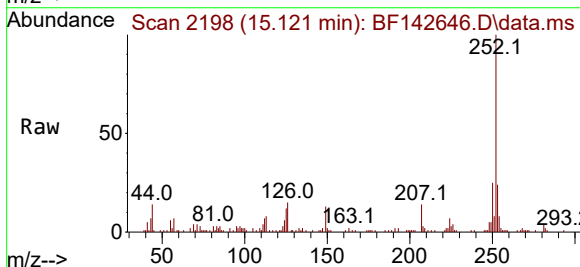
Tgt Ion:264 Resp: 28583
Ion Ratio Lower Upper
264 100
260 23.7 18.6 28.0
265 21.8 17.7 26.5

Manual Integrations
APPROVED

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



#88
Benzo(b)fluoranthene
Concen: 2.446 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142646.D
Acq: 06 Jun 2025 14:58



Tgt Ion:252 Resp: 41385
Ion Ratio Lower Upper
252 100
253 23.5 17.0 25.4
125 12.5 7.4 11.0#

