

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142878.D
 Acq On : 26 Jun 2025 20:03
 Operator : RC/JU
 Sample : Q2415-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025

Quant Time: Jun 27 01:21:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	80129	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	294900	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	139016	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	192499	20.000	ng	0.00
76) Chrysene-d12	14.051	240	155729	20.000	ng	0.00
86) Perylene-d12	15.545	264	121209	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	387025	80.416	ng	0.00
7) Phenol-d6	6.504	99	459158	80.864	ng	0.00
23) Nitrobenzene-d5	7.440	82	283457	52.722	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	92695	64.796	ng	-0.01
45) 2-Fluorobiphenyl	9.234	172	550535	52.024	ng	-0.01
79) Terphenyl-d14	12.992	244	422470	37.484	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.622	202	38975	3.938	ng	100
78) Pyrene	12.851	202	41043	2.812	ng	98
81) Benzo(a)anthracene	14.039	228	26032	2.478	ng	96
83) Chrysene	14.074	228	21834	2.329	ng	98
88) Benzo(b)fluoranthene	15.104	252	28881m	4.118	ng	
90) Benzo(a)pyrene	15.474	252	19938	2.943	ng	# 93

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

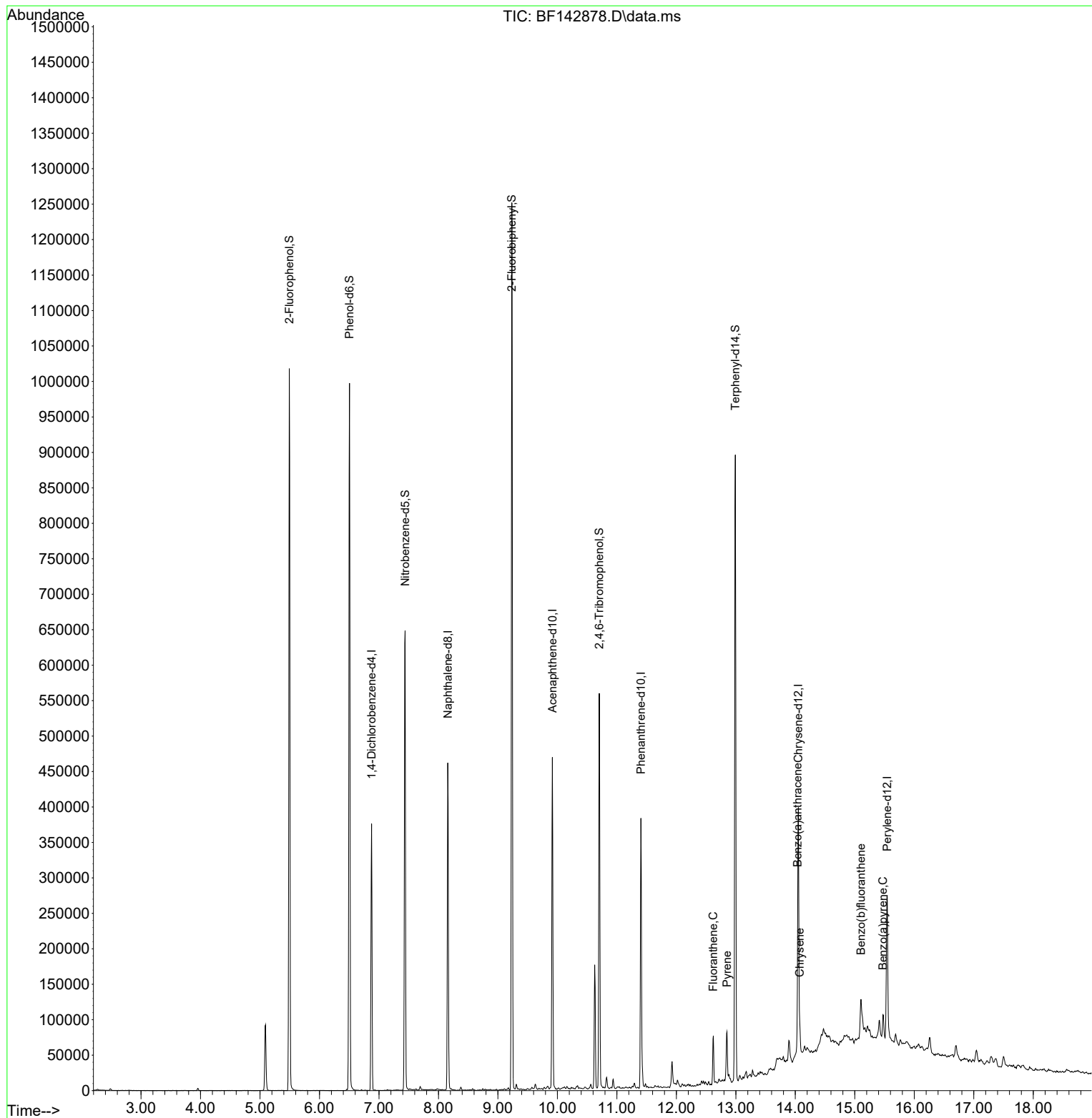
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
Data File : BF142878.D
Acq On : 26 Jun 2025 20:03
Operator : RC/JU
Sample : Q2415-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

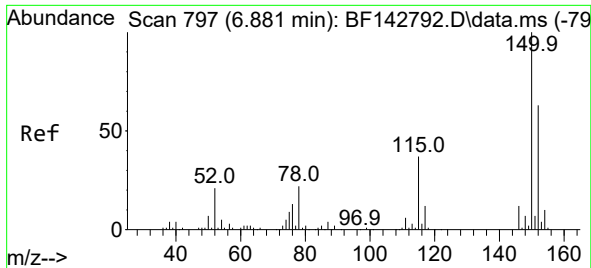
Instrument :
BNA_F
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WC-1

Quant Time: Jun 27 01:21:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
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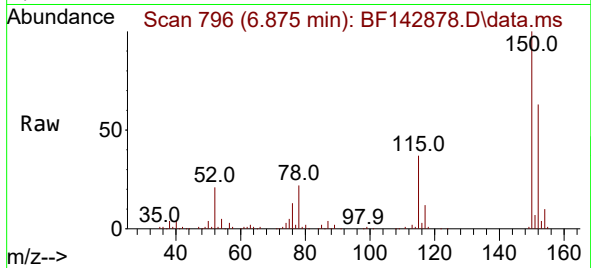
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

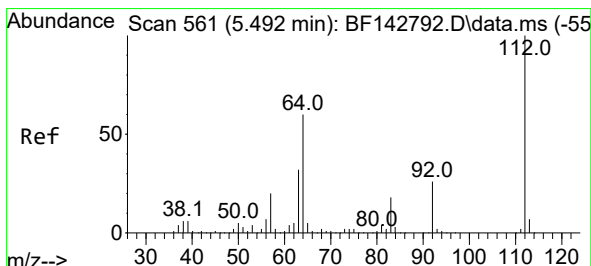
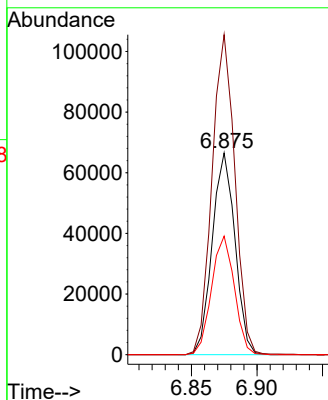
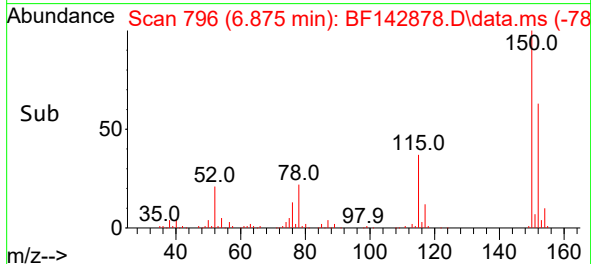
Instrument :
BNA_F
ClientSampleId :
WC-1



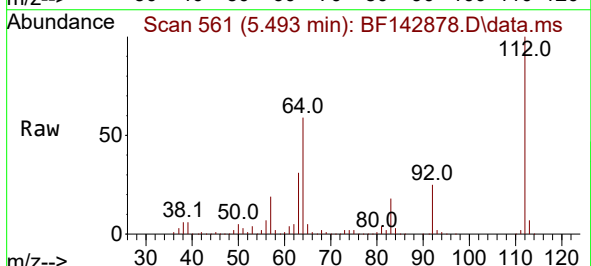
Tgt Ion:152 Resp: 80129
Ion Ratio Lower Upper
152 100
150 158.5 127.2 190.8
115 58.7 46.6 69.8

Manual Integrations
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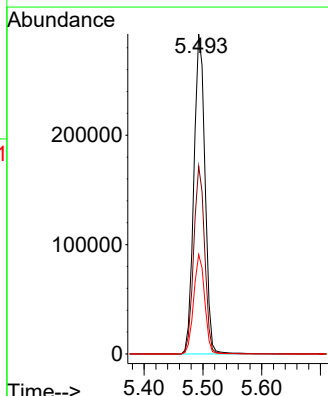
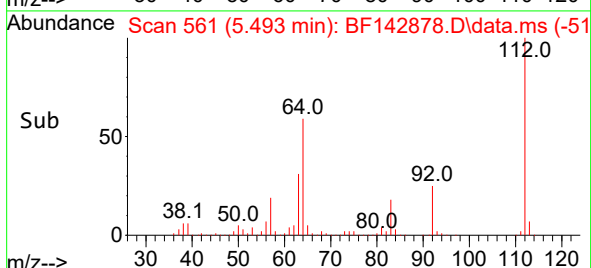
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

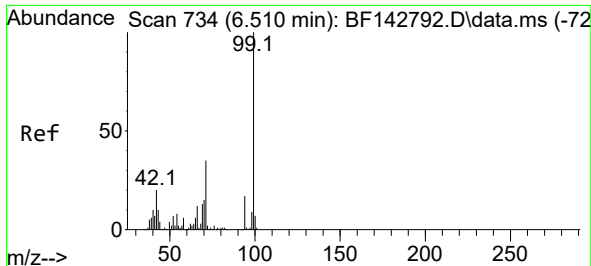


#5
2-Fluorophenol
Concen: 80.416 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03



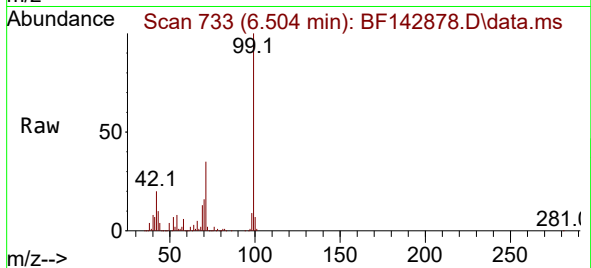
Tgt Ion:112 Resp: 387025
Ion Ratio Lower Upper
112 100
64 58.7 48.2 72.2
63 31.1 25.7 38.5





#7
Phenol-d6
Concen: 80.864 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

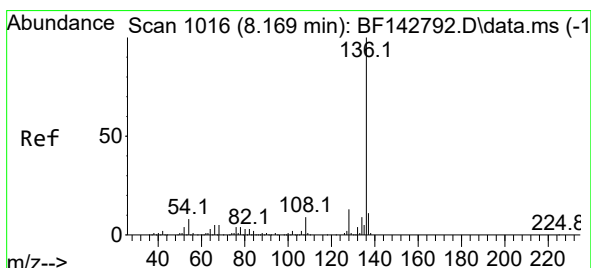
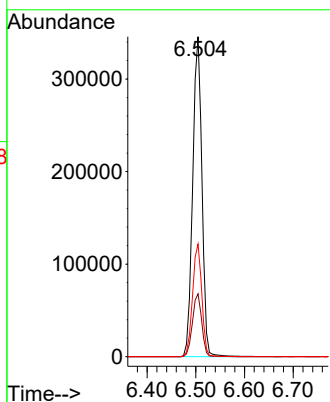
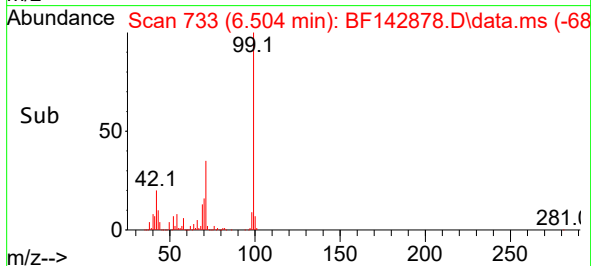
Instrument :
BNA_F
ClientSampleId :
WC-1



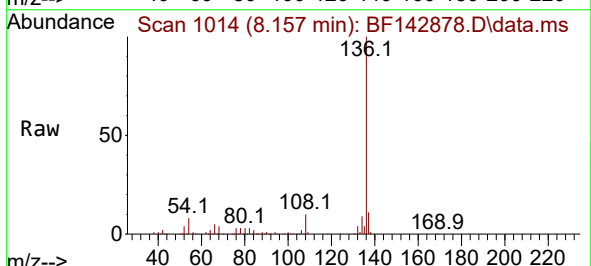
Tgt Ion: 99 Resp: 459158
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 35.2 27.8 41.8

Manual Integrations
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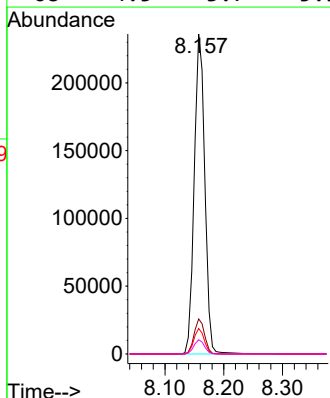
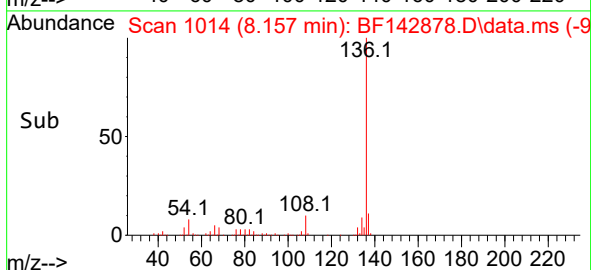
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

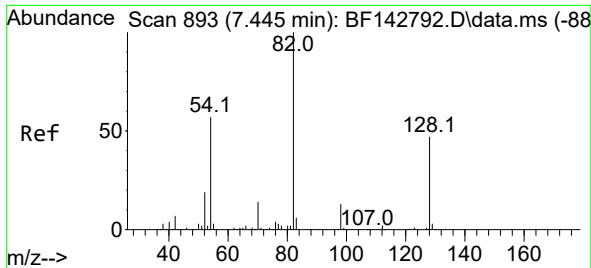


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03



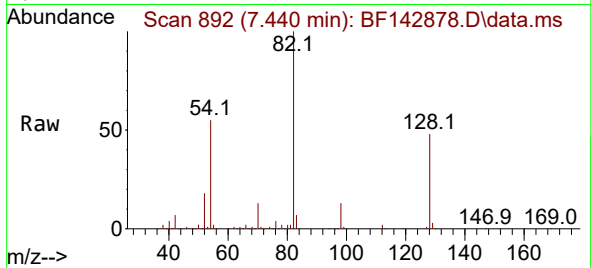
Tgt Ion:136 Resp: 294900
Ion Ratio Lower Upper
136 100
137 10.9 8.4 12.6
54 8.0 6.3 9.5
68 4.5 3.7 5.5





#23
Nitrobenzene-d5
Concen: 52.722 ng
RT: 7.440 min Scan# 893
Delta R.T. -0.005 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

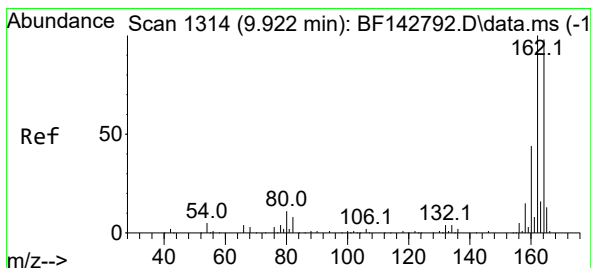
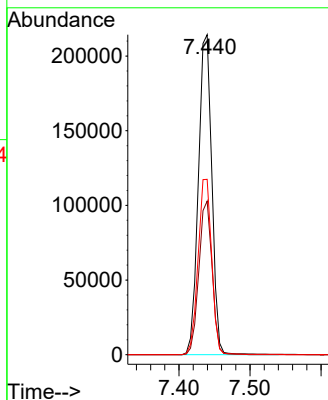
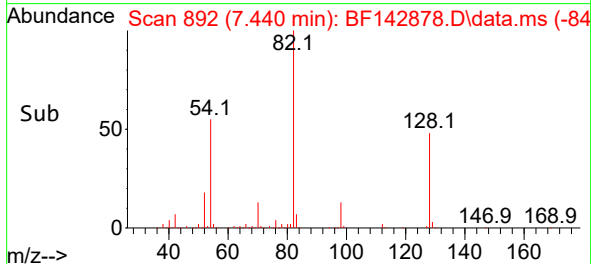
Instrument :
BNA_F
ClientSampleId :
WC-1



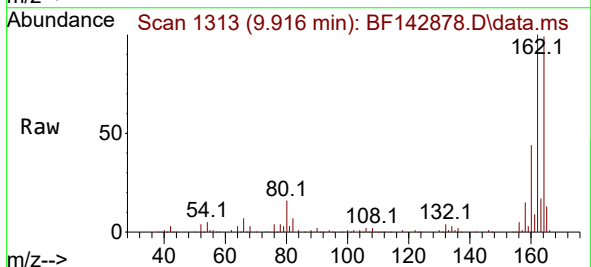
Tgt Ion: 82 Resp: 28345
Ion Ratio Lower Upper
82 100
128 48.0 37.7 56.5
54 54.8 45.7 68.5

Manual Integrations
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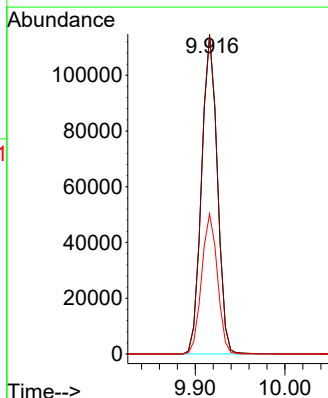
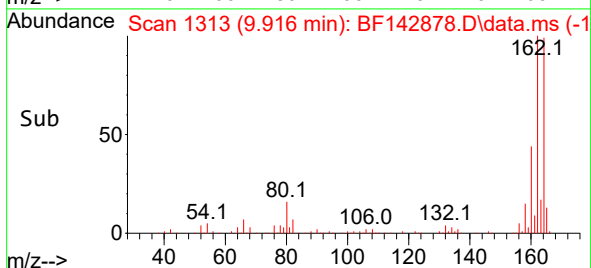
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

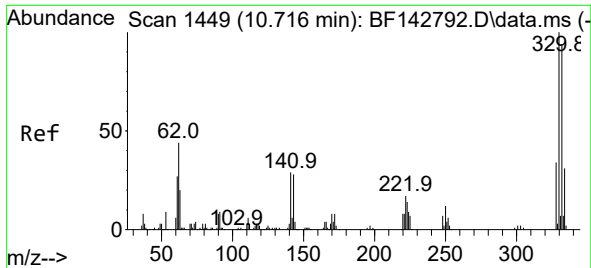


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03



Tgt Ion:164 Resp: 139016
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.1 36.0 54.0





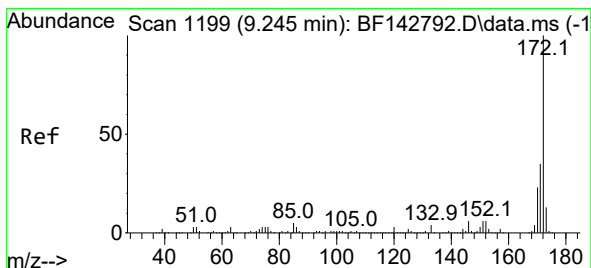
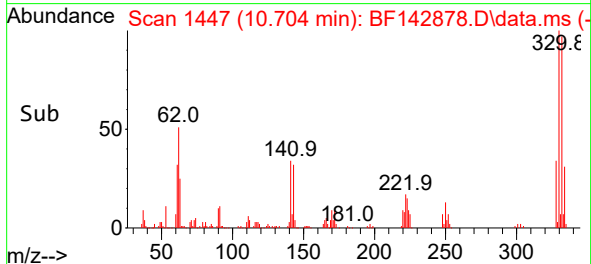
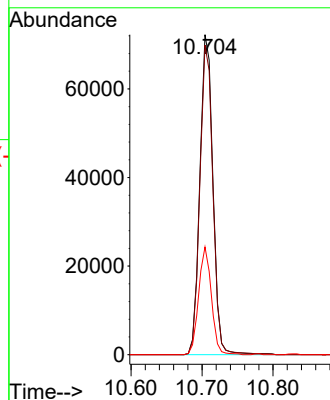
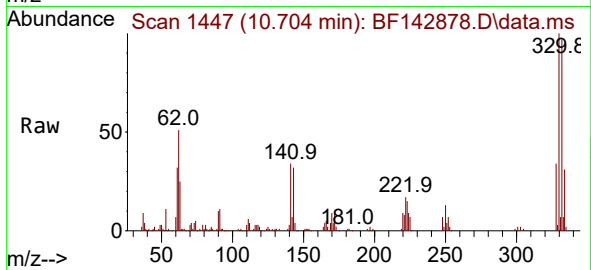
#42
2,4,6-Tribromophenol
Concen: 64.796 ng
RT: 10.704 min Scan# 1447
Delta R.T. -0.012 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 330 Resp: 9269
Ion Ratio Lower Upper
330 100
332 96.5 75.0 112.6
141 32.8 25.3 37.9

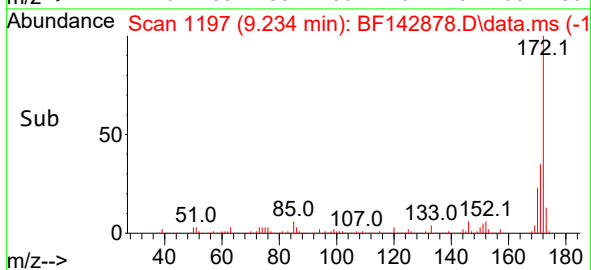
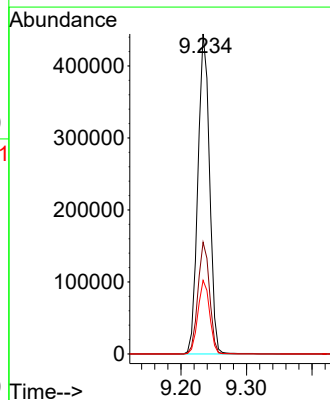
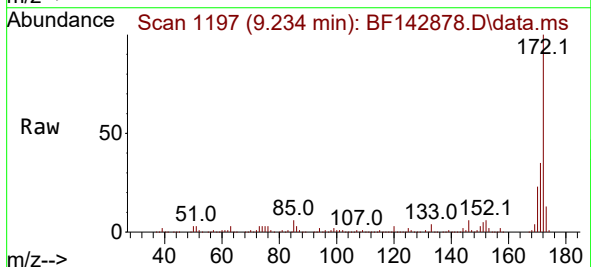
Manual Integrations
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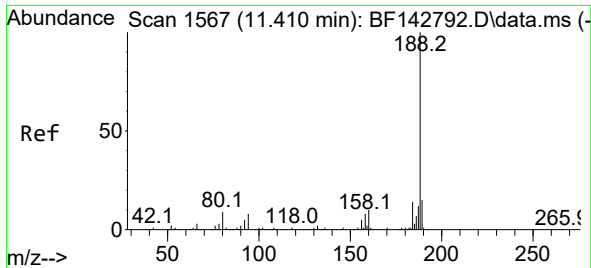
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#45
2-Fluorobiphenyl
Concen: 52.024 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

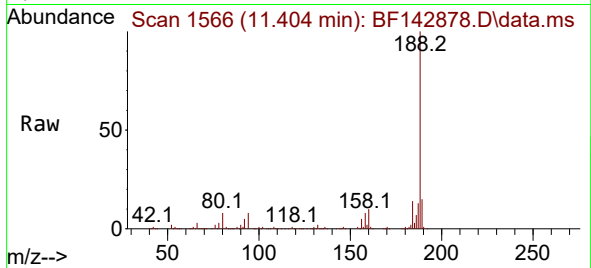
Tgt Ion: 172 Resp: 550535
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 23.0 18.5 27.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

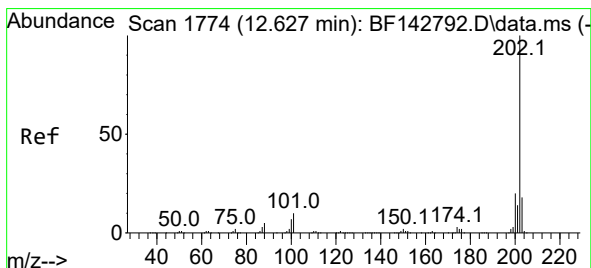
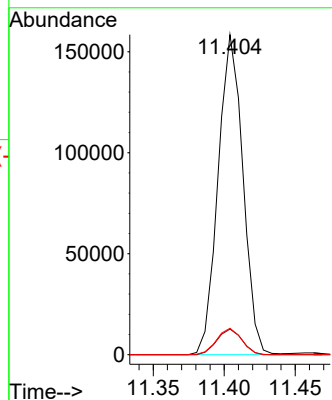
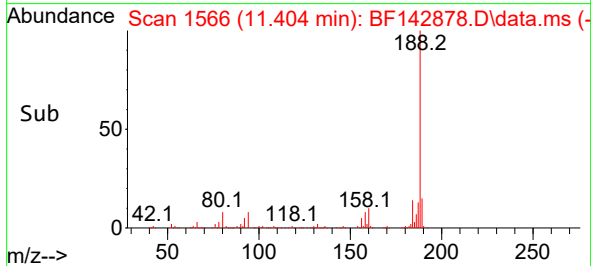
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:188 Resp: 192499
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.3 6.9 10.3

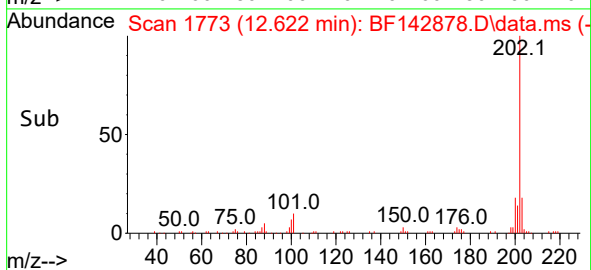
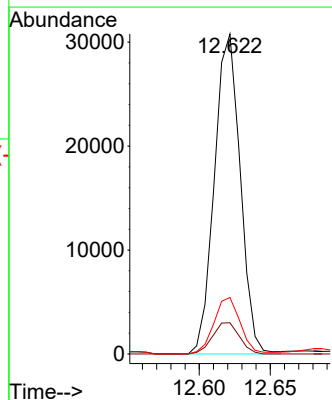
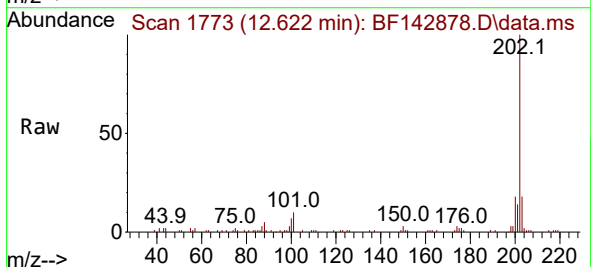
Manual Integrations
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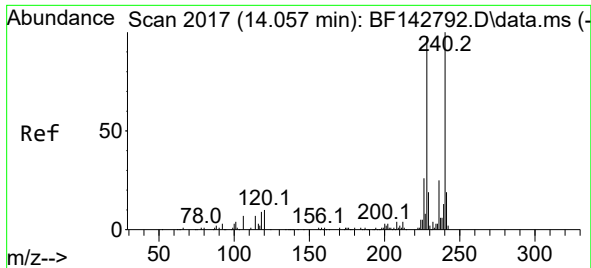
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#75
Fluoranthene
Concen: 3.938 ng
RT: 12.622 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

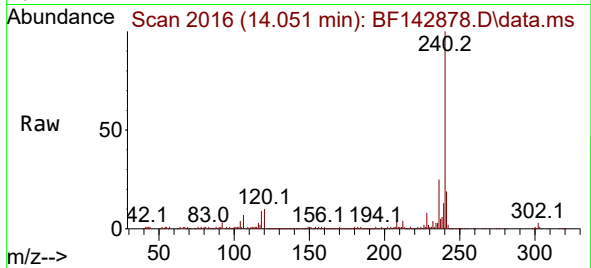
Tgt Ion:202 Resp: 38975
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 17.6 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

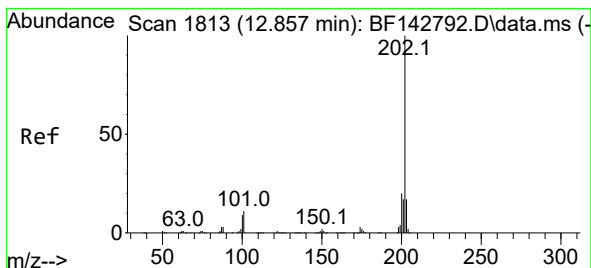
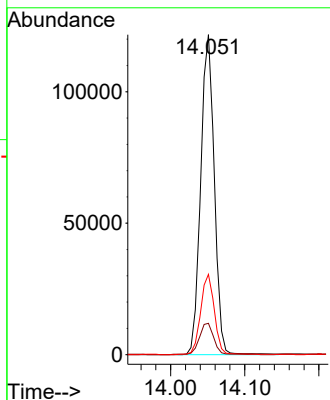
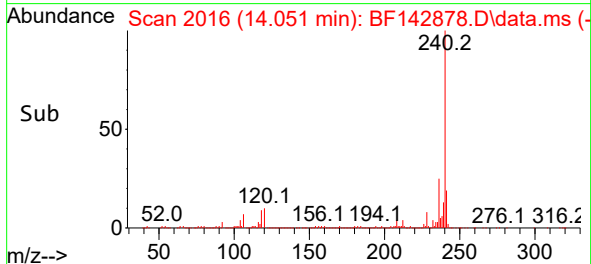
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:240 Resp: 155729
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.2
236 25.1 19.8 29.8

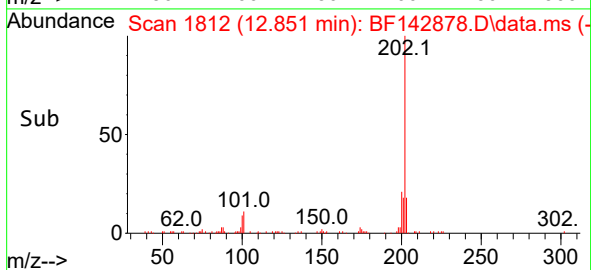
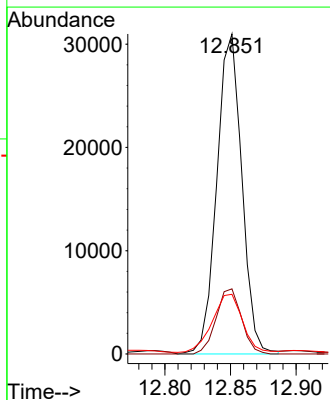
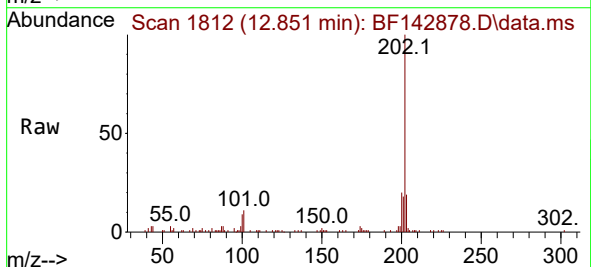
Manual Integrations
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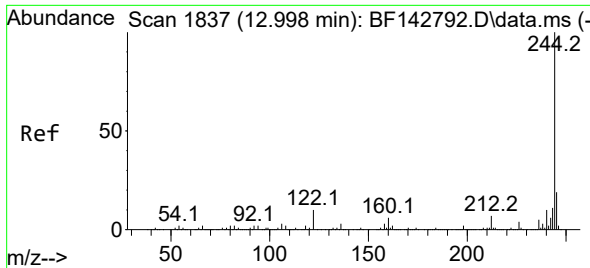
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#78
Pyrene
Concen: 2.812 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

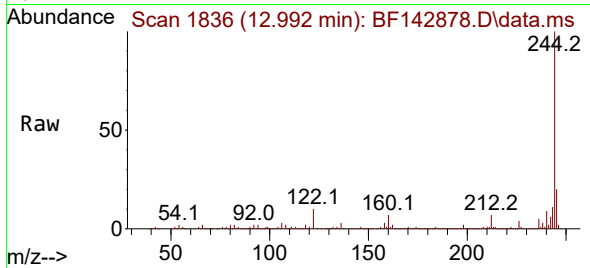
Tgt Ion:202 Resp: 41043
Ion Ratio Lower Upper
202 100
200 20.4 15.7 23.5
203 18.6 13.8 20.6





#79
 Terphenyl-d14
 Concen: 37.484 ng
 RT: 12.992 min Scan# 1837
 Delta R.T. -0.006 min
 Lab File: BF142878.D
 Acq: 26 Jun 2025 20:03

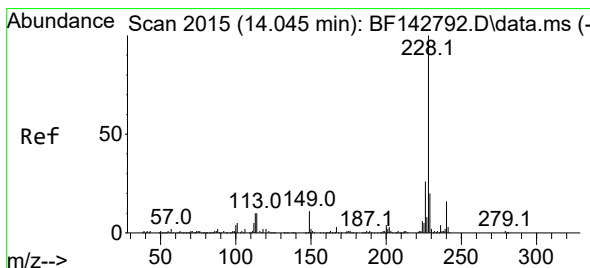
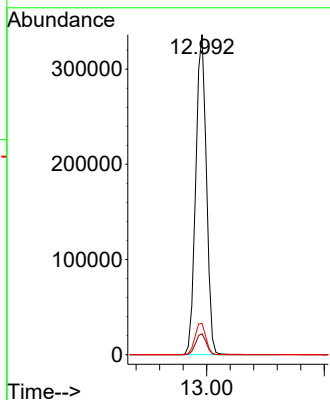
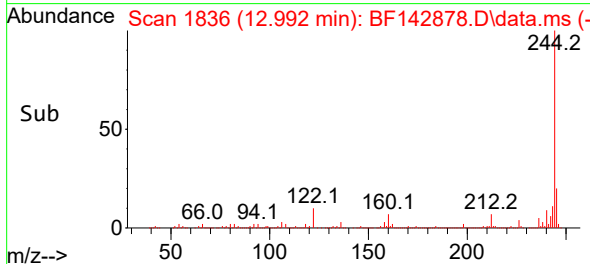
Instrument :
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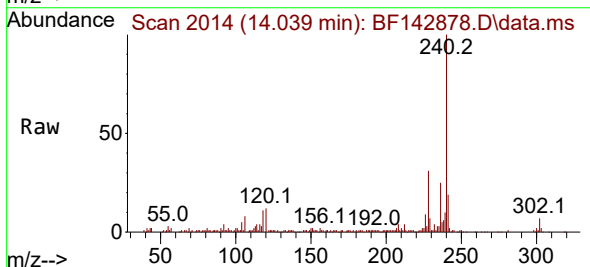
Tgt Ion:244 Resp: 422470
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 9.8 8.2 12.2

Manual Integrations
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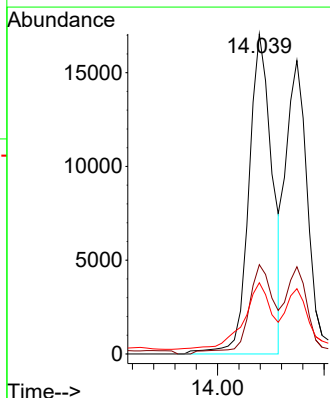
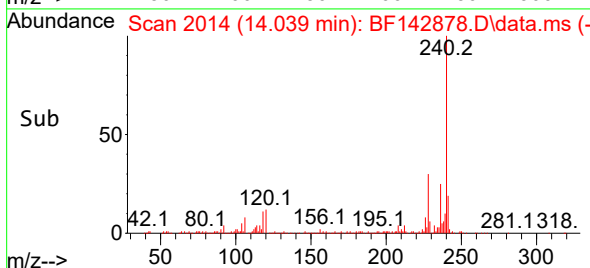
Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025

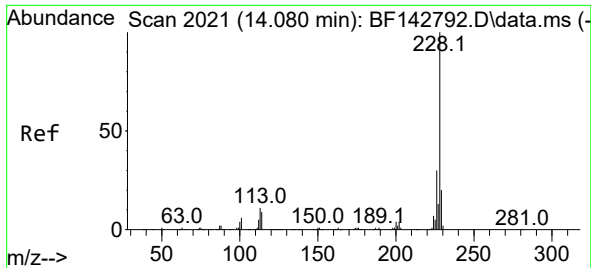


#81
 Benzo(a)anthracene
 Concen: 2.478 ng
 RT: 14.039 min Scan# 2014
 Delta R.T. -0.006 min
 Lab File: BF142878.D
 Acq: 26 Jun 2025 20:03



Tgt Ion:228 Resp: 26032
 Ion Ratio Lower Upper
 228 100
 226 27.9 21.2 31.8
 229 22.3 15.6 23.4





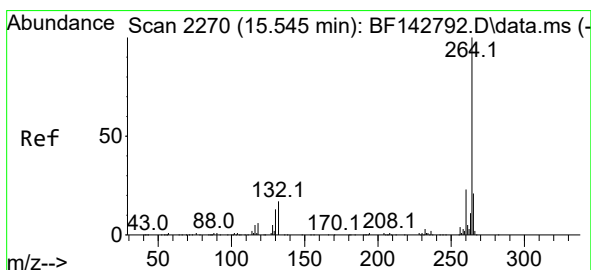
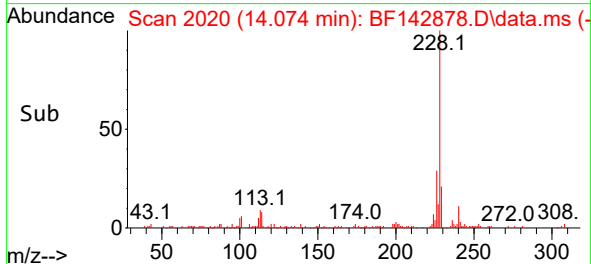
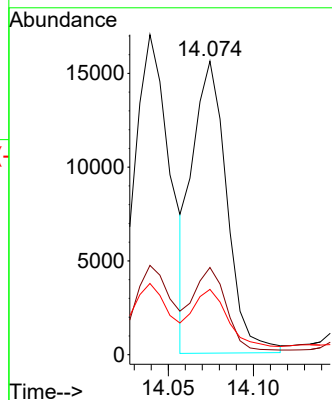
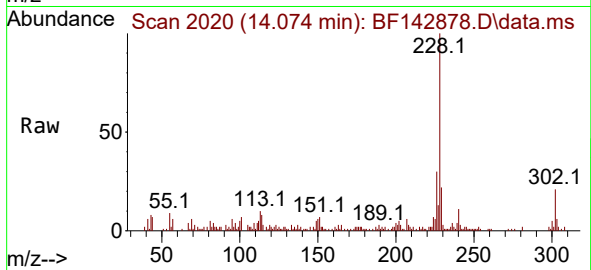
#83
Chrysene
Concen: 2.329 ng
RT: 14.074 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion:228 Resp: 21834
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 22.3 15.7 23.5

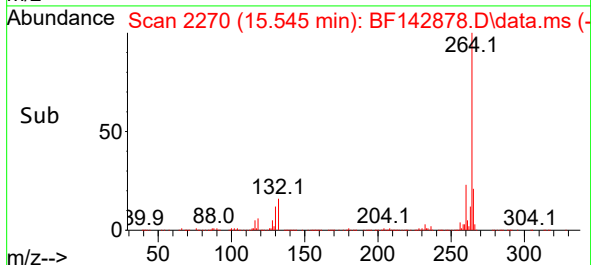
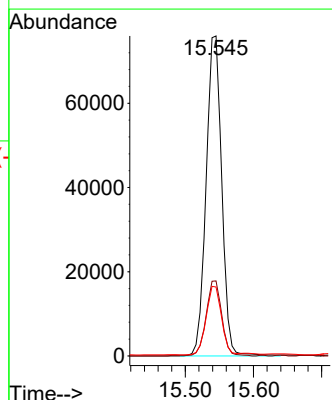
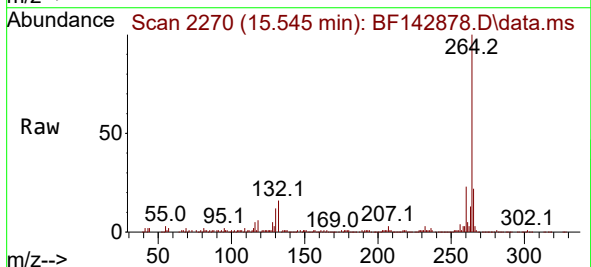
Manual Integrations
APPROVED

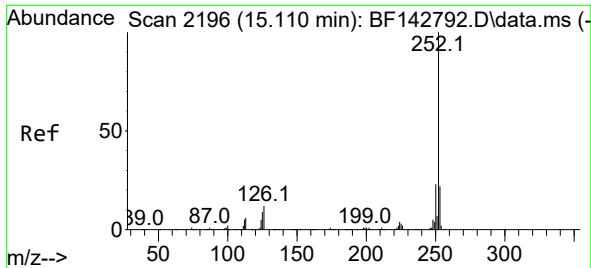
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

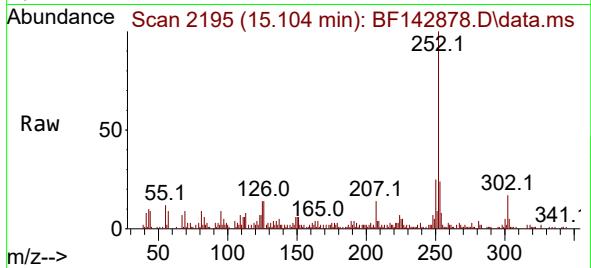
Tgt Ion:264 Resp: 121209
Ion Ratio Lower Upper
264 100
260 23.5 18.1 27.1
265 21.6 16.6 25.0





#88
Benzo(b)fluoranthene
Concen: 4.118 ng m
RT: 15.104 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

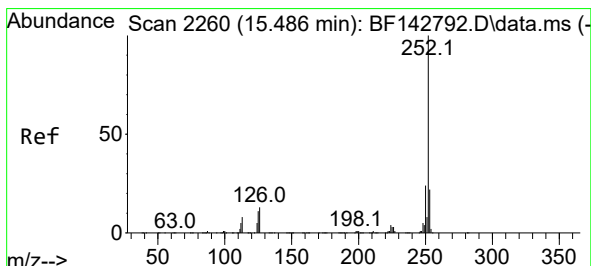
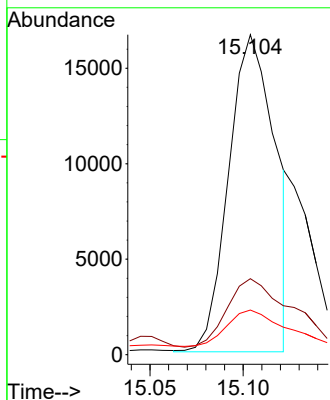
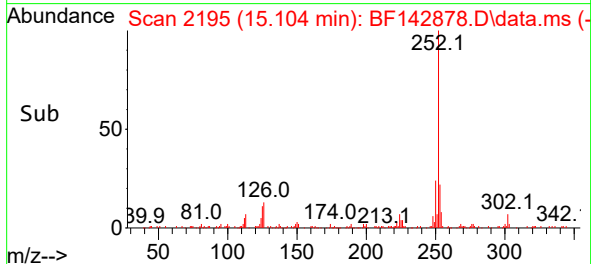
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 2888
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 13.9 7.4 11.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#90
Benzo(a)pyrene
Concen: 2.943 ng
RT: 15.474 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF142878.D
Acq: 26 Jun 2025 20:03

Tgt Ion:252 Resp: 19938
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 13.5 8.6 12.8

