

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142894.D
 Acq On : 27 Jun 2025 15:44
 Operator : RC/JU
 Sample : Q2420-01DL 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933DL

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/30/2025
 Supervised By :Jagrut Upadhyay 06/30/2025

Quant Time: Jun 27 16:06:11 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	56754	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	198490	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	92023	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	151388	20.000	ng	0.00
76) Chrysene-d12	14.057	240	150349	20.000	ng	0.00
86) Perylene-d12	15.551	264	109943	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	27462	8.056	ng	0.00
7) Phenol-d6	6.504	99	32581	8.101	ng	0.00
23) Nitrobenzene-d5	7.434	82	18393	5.083	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	6763	7.142	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	42832	6.114	ng	-0.01
79) Terphenyl-d14	12.992	244	46417	4.266	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	107555	19.630	ng	100
55) Dibenzofuran	10.122	168	42676	5.432	ng	98
58) Fluorene	10.469	166	88941	14.495	ng	99
71) Phenanthrene	11.433	178	593131	72.327	ng	99
72) Anthracene	11.486	178	98605	11.724	ng	99
75) Fluoranthene	12.633	202	1441507	185.215	ng	99
78) Pyrene	12.863	202	1040441	73.828	ng	97
81) Benzo(a)anthracene	14.051	228	352280	34.733	ng	98
83) Chrysene	14.086	228	255720	28.255	ng	98
87) Indeno(1,2,3-cd)pyrene	17.057	276	18997	2.269	ng	# 89
88) Benzo(b)fluoranthene	15.110	252	155708m	24.476	ng	
89) Benzo(k)fluoranthene	15.127	252	50839m	8.542	ng	
90) Benzo(a)pyrene	15.486	252	65679	10.687	ng	97
92) Benzo(g,h,i)perylene	17.515	276	16027	2.362	ng	98

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

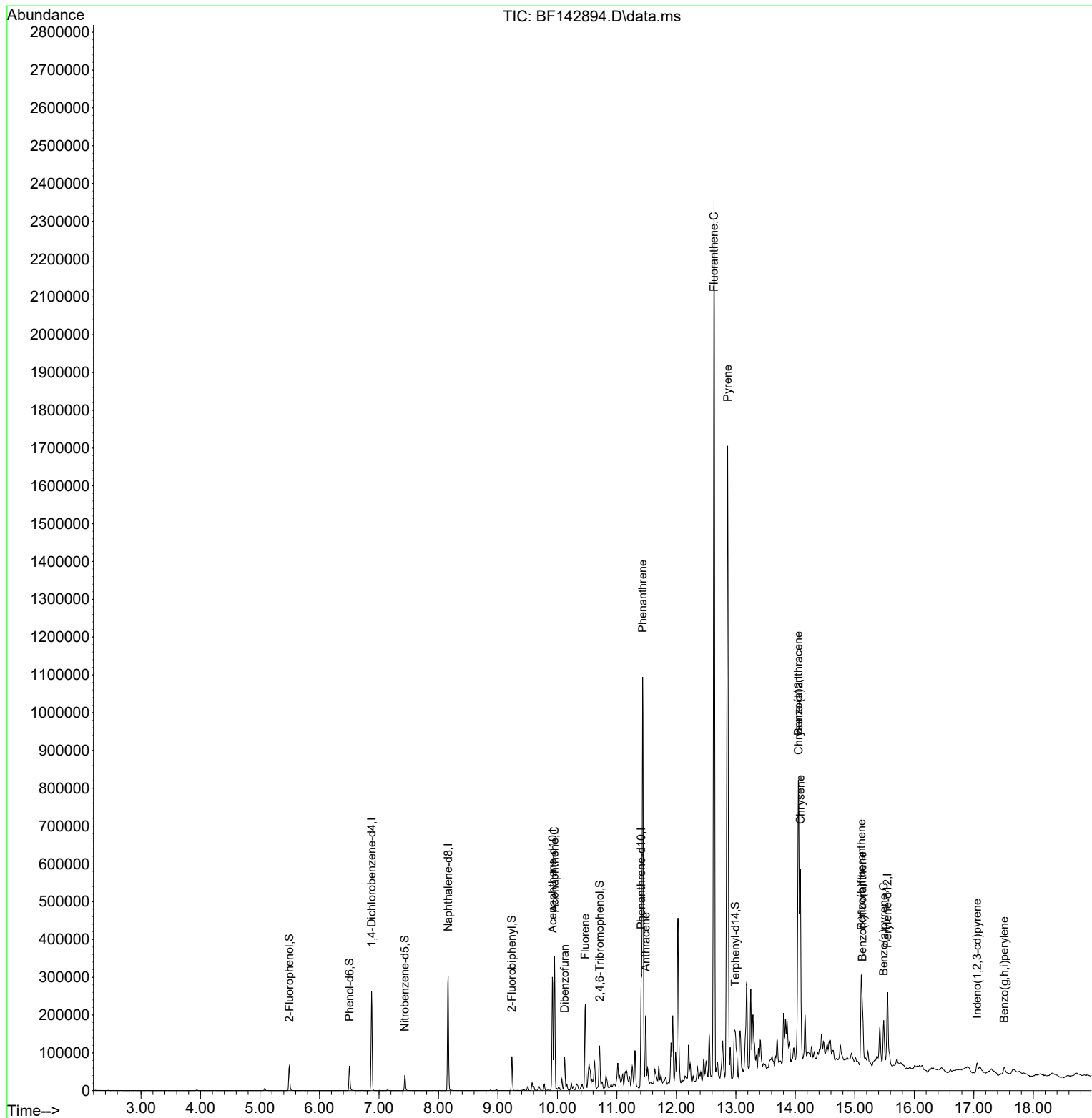
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
Data File : BF142894.D
Acq On : 27 Jun 2025 15:44
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Sample : Q2420-01DL 10X
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ALS Vial : 14 Sample Multiplier: 1

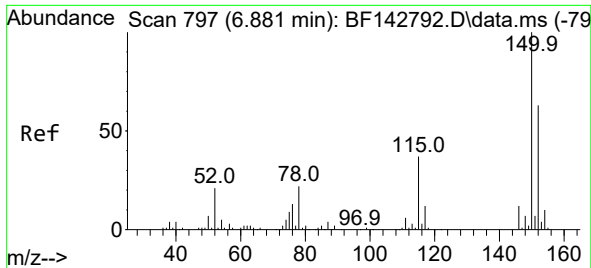
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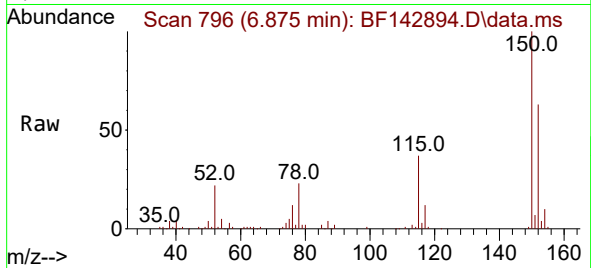
Quant Time: Jun 27 16:06:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 24 05:28:21 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

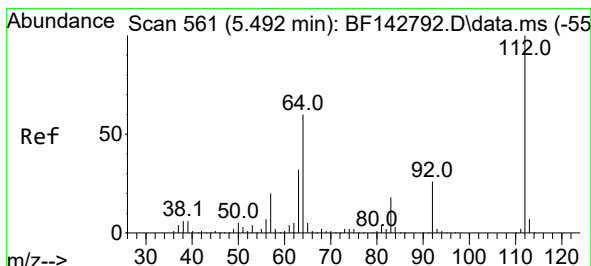
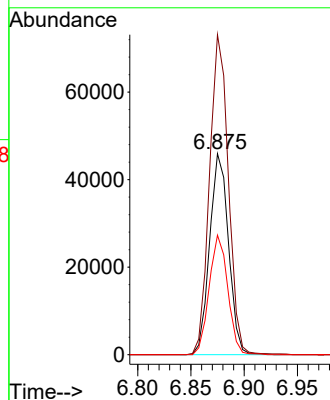
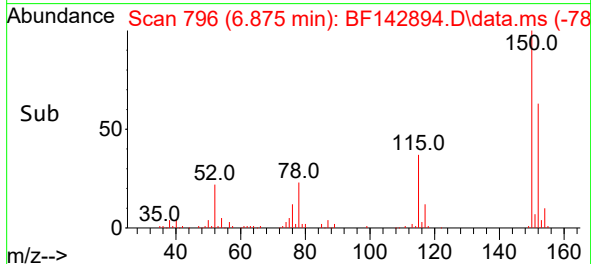
Instrument :
BNA_F
ClientSampleId :
72-11933DL



Tgt Ion:152 Resp: 56754
Ion Ratio Lower Upper
152 100
150 159.2 127.2 190.8
115 59.5 46.6 69.8

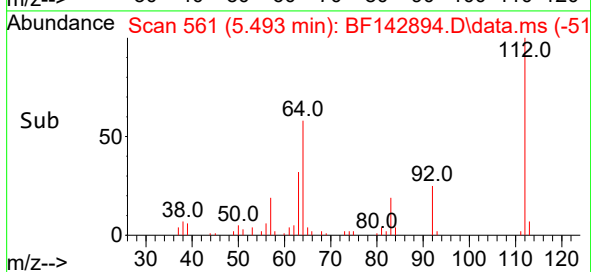
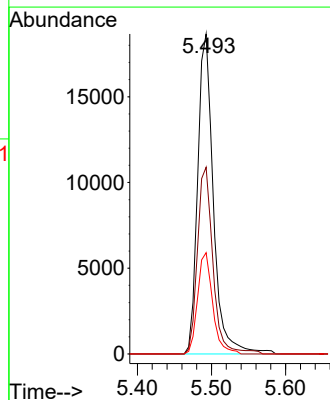
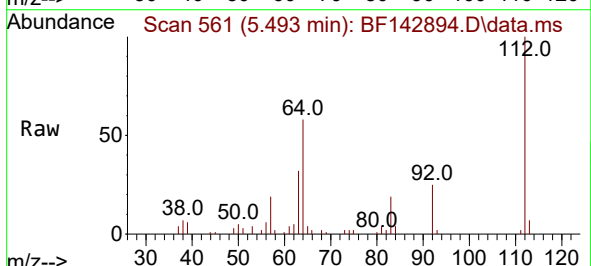
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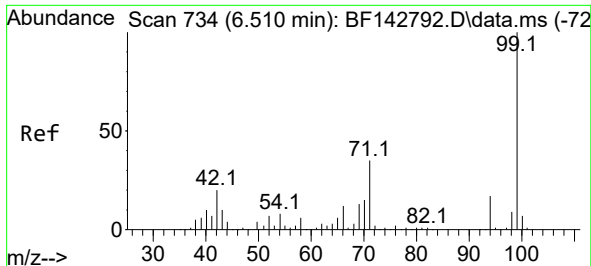
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#5
2-Fluorophenol
Concen: 8.056 ng
RT: 5.493 min Scan# 561
Delta R.T. 0.001 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

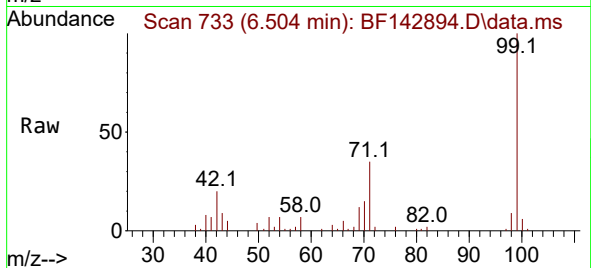
Tgt Ion:112 Resp: 27462
Ion Ratio Lower Upper
112 100
64 58.4 48.2 72.2
63 31.7 25.7 38.5





#7
Phenol-d6
Concen: 8.101 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

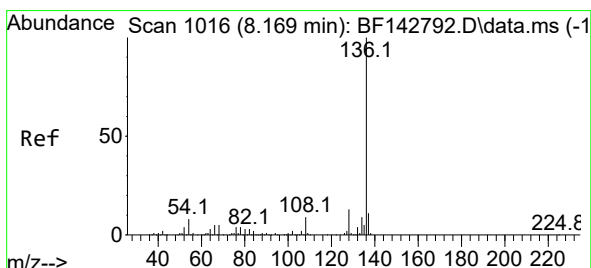
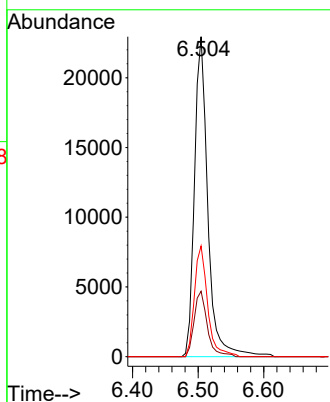
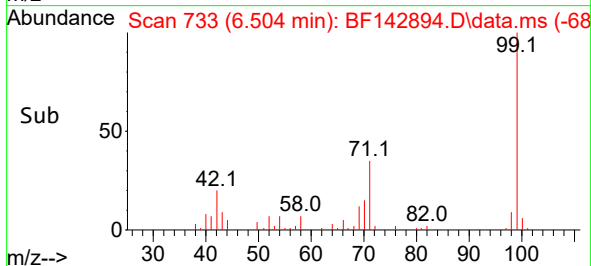
Instrument :
BNA_F
ClientSampleId :
72-11933DL



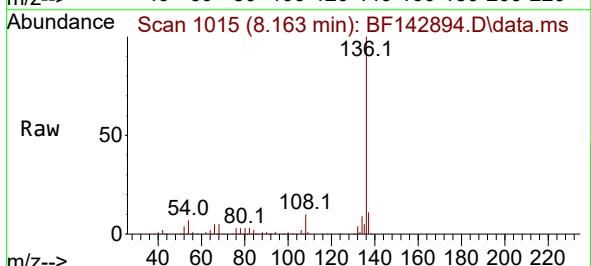
Tgt Ion: 99 Resp: 3258
Ion Ratio Lower Upper
99 100
42 20.5 15.9 23.9
71 34.6 27.8 41.8

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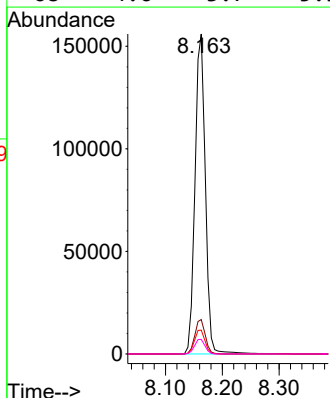
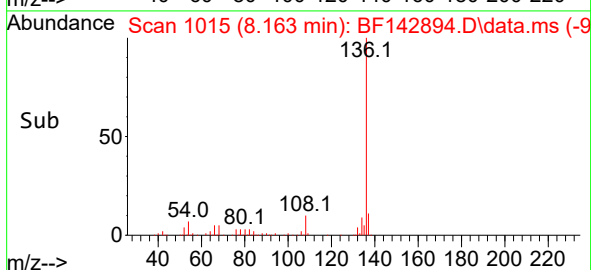
Reviewed By :Rahul Chavli 06/30/2025
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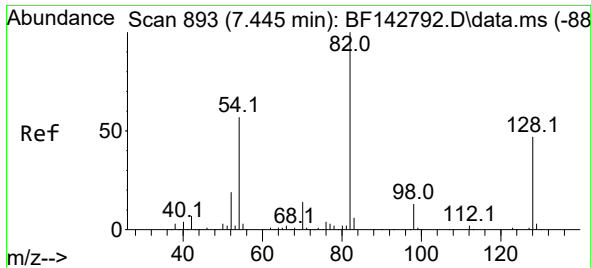


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44



Tgt Ion:136 Resp: 198490
Ion Ratio Lower Upper
136 100
137 10.8 8.4 12.6
54 7.5 6.3 9.5
68 4.6 3.7 5.5





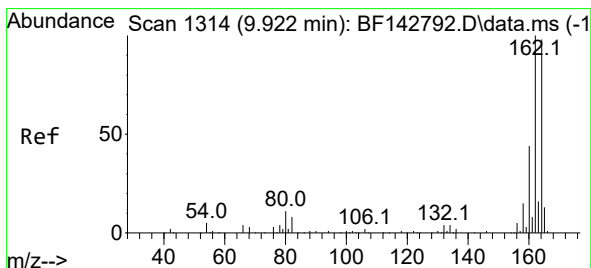
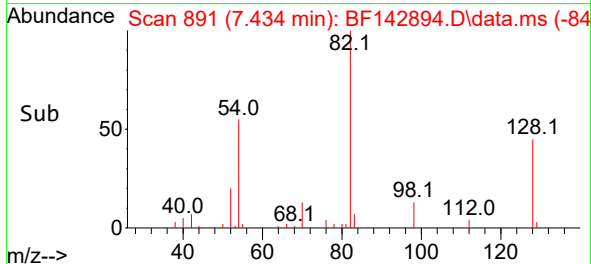
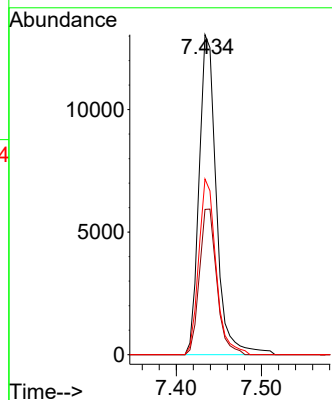
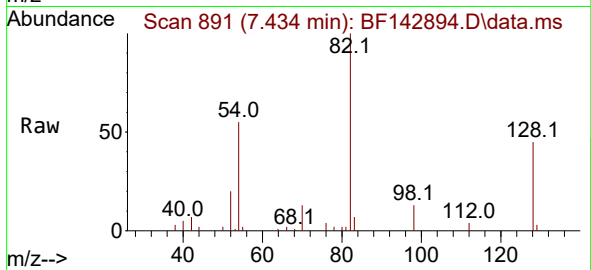
#23
Nitrobenzene-d5
Concen: 5.083 ng
RT: 7.434 min Scan# 891
Delta R.T. -0.011 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

Instrument :
BNA_F
ClientSampleId :
72-11933DL

Tgt Ion: 82 Resp: 1839
Ion Ratio Lower Upper
82 100
128 45.4 37.7 56.5
54 54.9 45.7 68.5

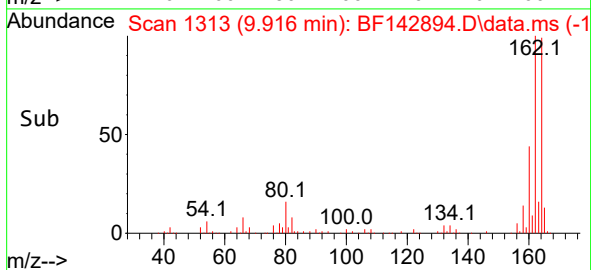
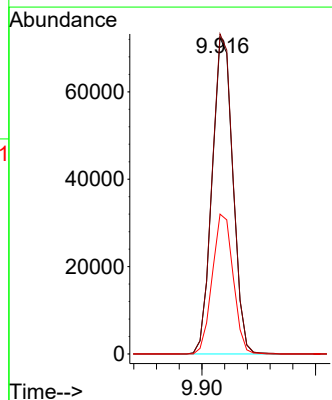
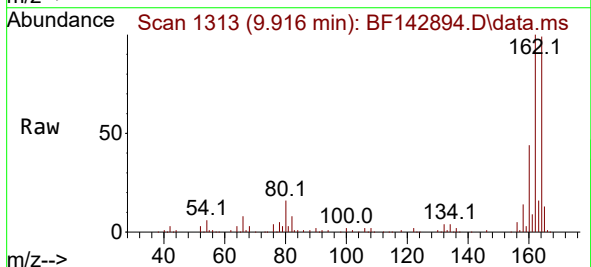
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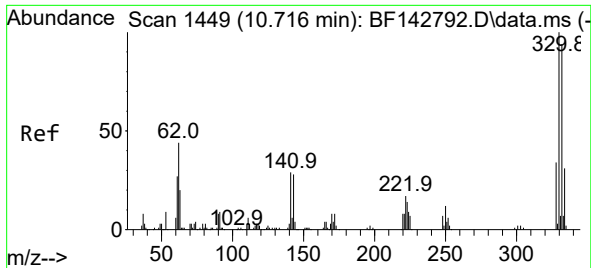
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

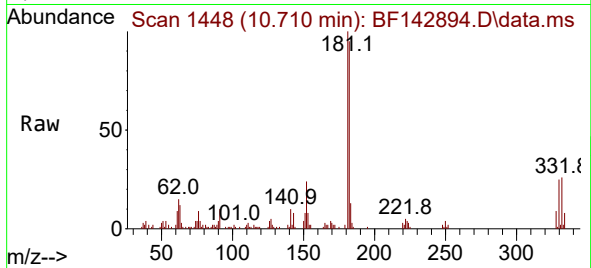
Tgt Ion:164 Resp: 92023
Ion Ratio Lower Upper
164 100
162 101.1 81.8 122.8
160 44.2 36.0 54.0





#42
2,4,6-Tribromophenol
Concen: 7.142 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

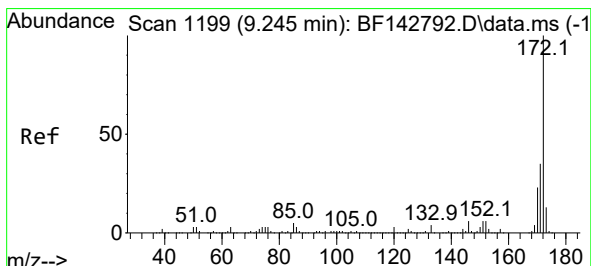
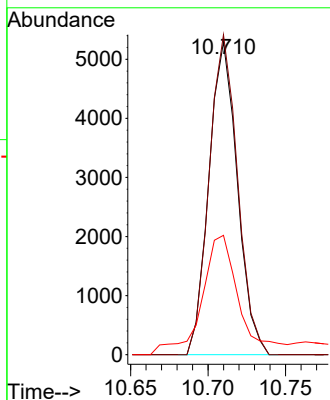
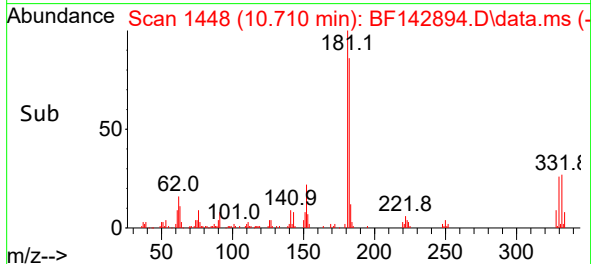
Instrument :
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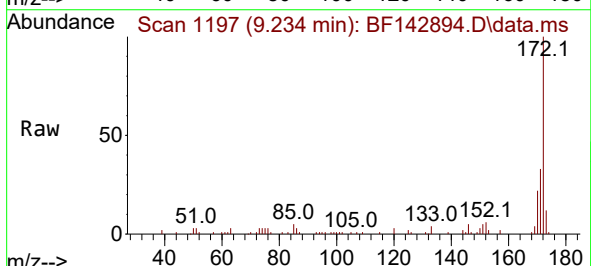
Tgt Ion: 330 Resp: 676
Ion Ratio Lower Upper
330 100
332 102.1 75.0 112.6
141 50.3 25.3 37.9

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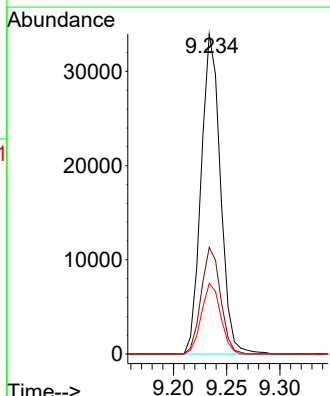
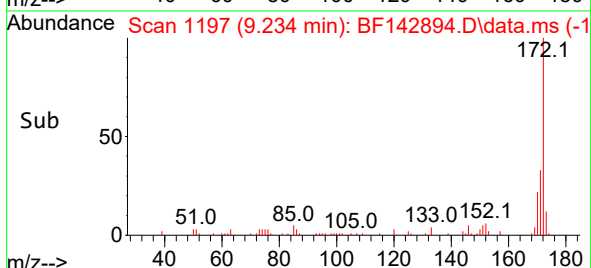
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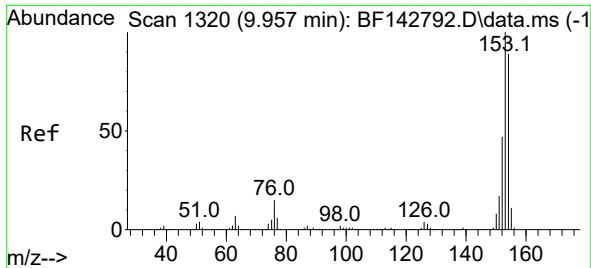


#45
2-Fluorobiphenyl
Concen: 6.114 ng
RT: 9.234 min Scan# 1197
Delta R.T. -0.011 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44



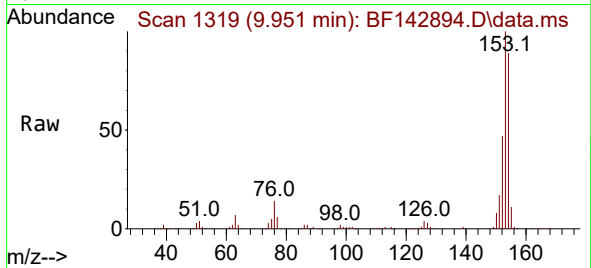
Tgt Ion: 172 Resp: 42832
Ion Ratio Lower Upper
172 100
171 33.3 28.2 42.4
170 22.0 18.5 27.7





#52
Acenaphthene
Concen: 19.630 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

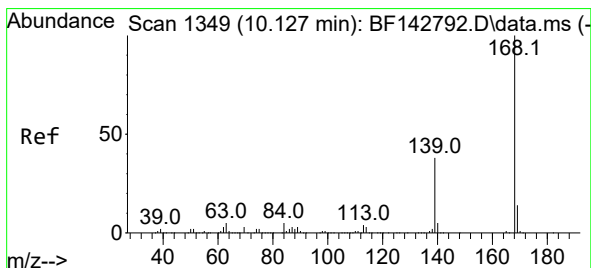
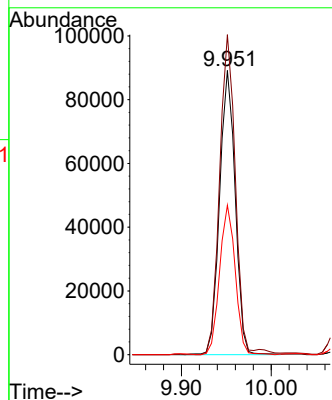
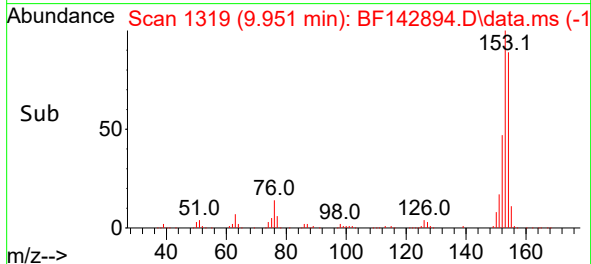
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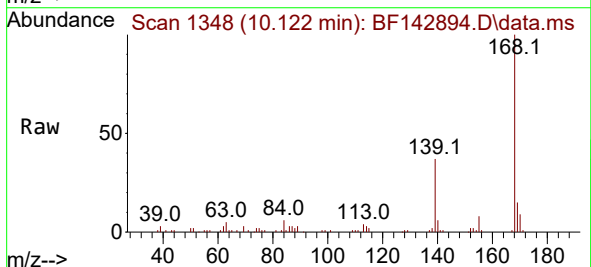
Tgt Ion:154 Resp: 10755
Ion Ratio Lower Upper
154 100
153 112.6 90.0 135.0
152 52.6 41.9 62.9

Manual Integrations
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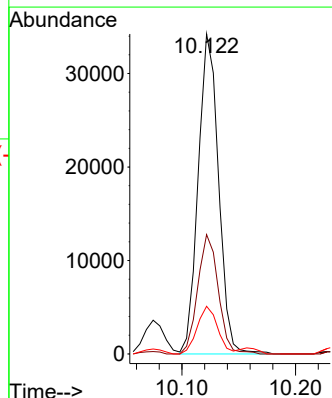
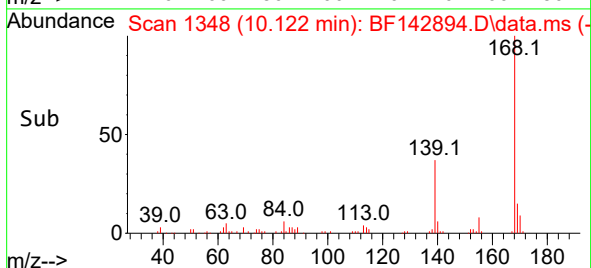
Reviewed By :Rahul Chavli 06/30/2025
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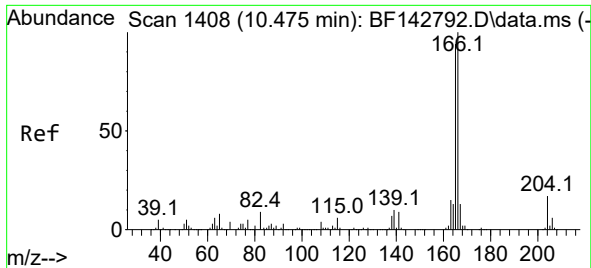


#55
Dibenzofuran
Concen: 5.432 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44



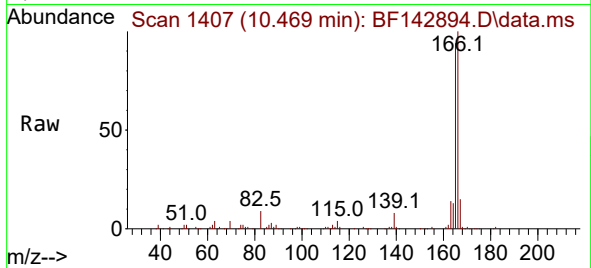
Tgt Ion:168 Resp: 42676
Ion Ratio Lower Upper
168 100
139 37.3 30.2 45.4
169 14.9 10.8 16.2





#58
Fluorene
Concen: 14.495 ng
RT: 10.469 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

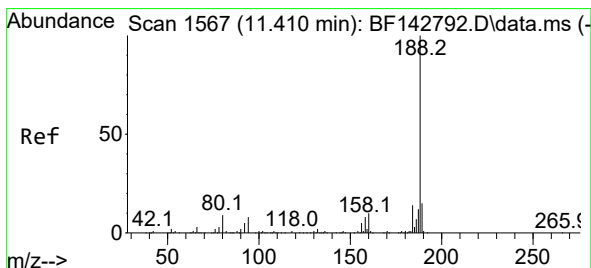
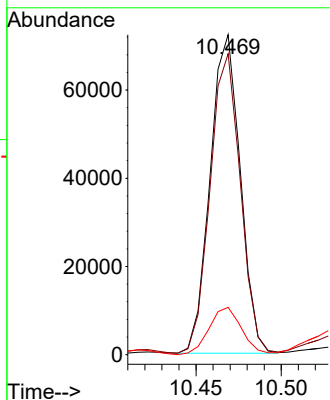
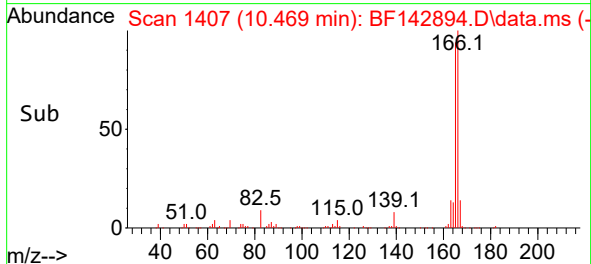
Instrument :
BNA_F
ClientSampleId :
72-11933DL



Tgt Ion:166 Resp: 8894
Ion Ratio Lower Upper
166 100
165 94.0 75.2 112.8
167 14.8 10.6 15.8

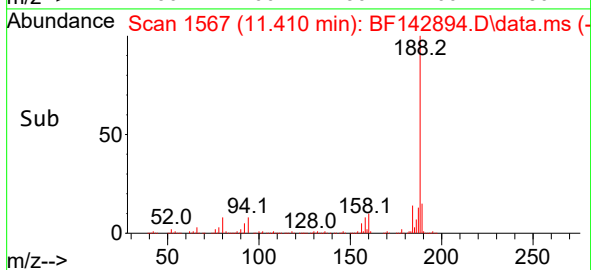
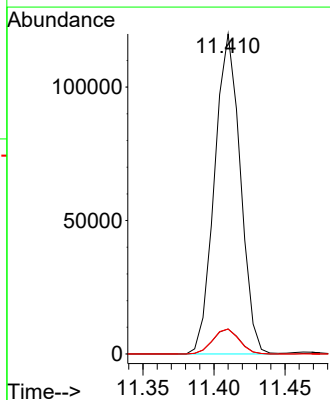
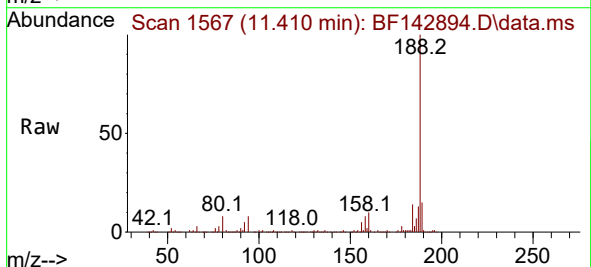
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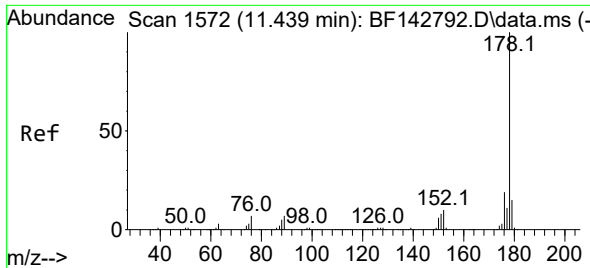
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

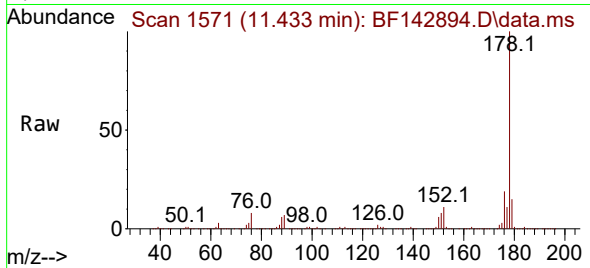
Tgt Ion:188 Resp: 151388
Ion Ratio Lower Upper
188 100
94 7.8 6.7 10.1
80 7.8 6.9 10.3





#71
Phenanthrene
Concen: 72.327 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

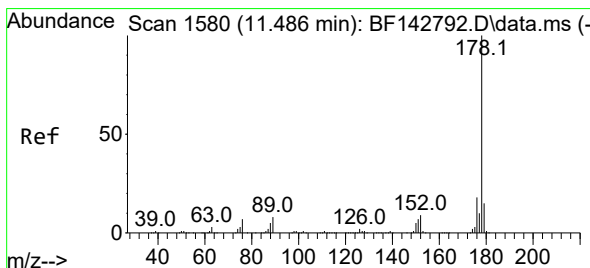
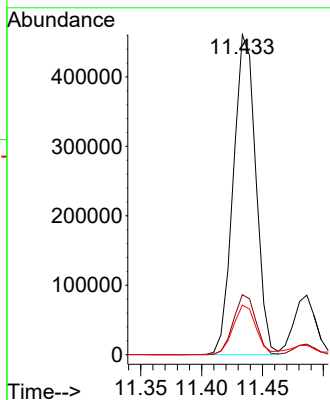
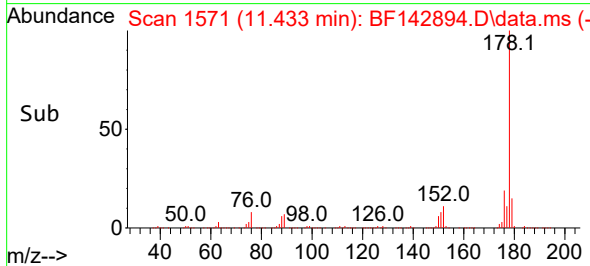
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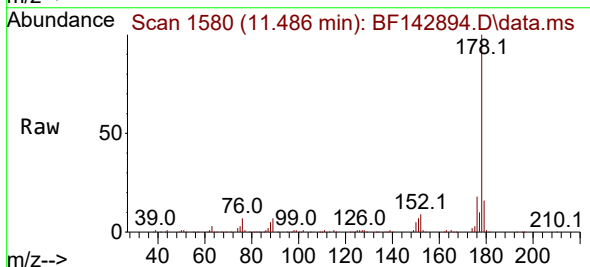
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Ion Ratio Lower Upper
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176 18.7 15.1 22.7
179 15.4 12.0 18.0

Manual Integrations
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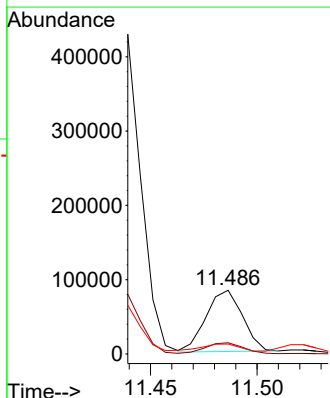
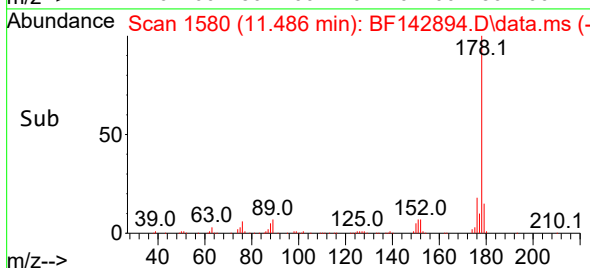
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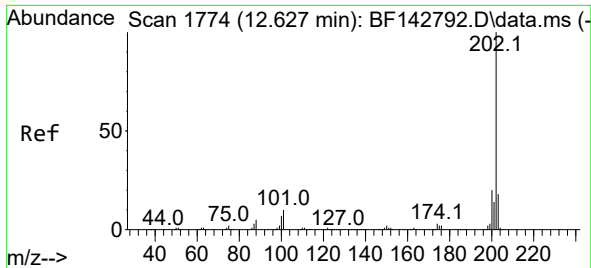


#72
Anthracene
Concen: 11.724 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44



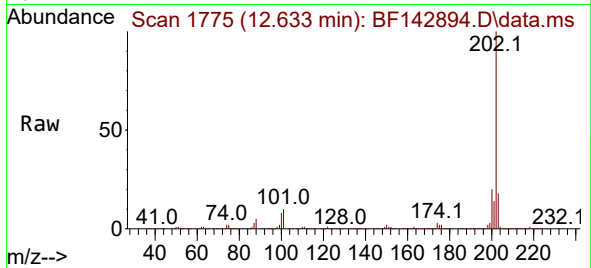
Tgt Ion:178 Resp: 98605
Ion Ratio Lower Upper
178 100
176 17.7 14.6 21.8
179 15.6 12.4 18.6





#75
Fluoranthene
Concen: 185.215 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

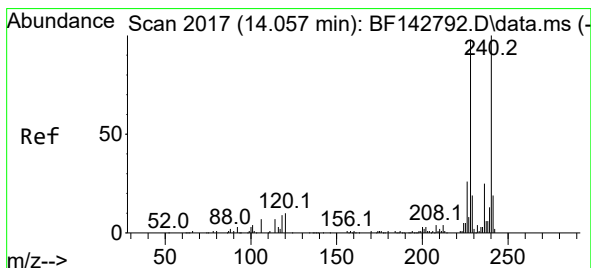
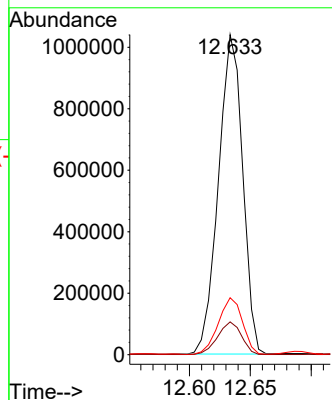
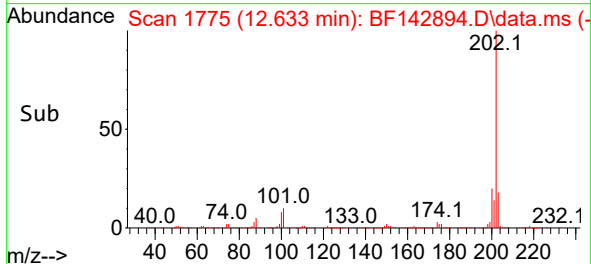
Instrument :
BNA_F
ClientSampleId :
72-11933DL



Tgt Ion:202 Resp: 144150
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.7
203 17.8 0.0 37.5

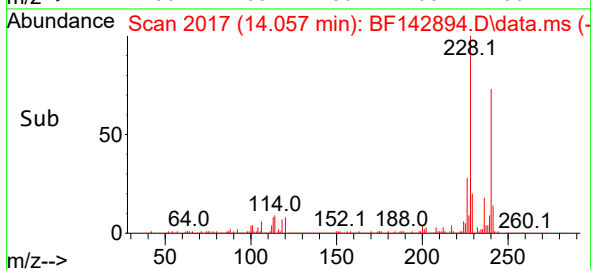
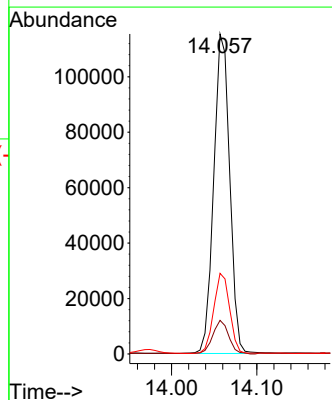
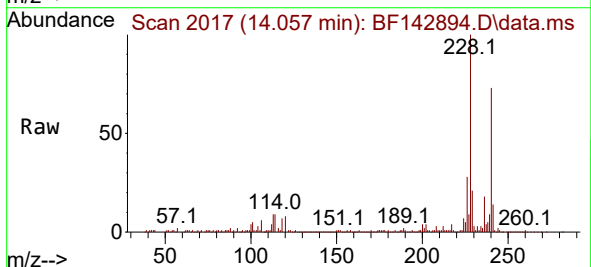
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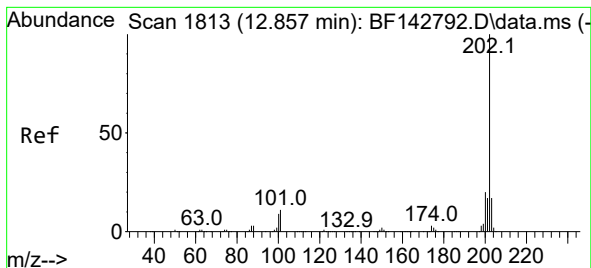
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

Tgt Ion:240 Resp: 150349
Ion Ratio Lower Upper
240 100
120 10.5 8.2 12.2
236 25.2 19.8 29.8





#78

Pyrene

Concen: 73.828 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

Tgt Ion:202 Resp: 104044

Ion Ratio Lower Upper

202 100

200 20.3 15.7 23.5

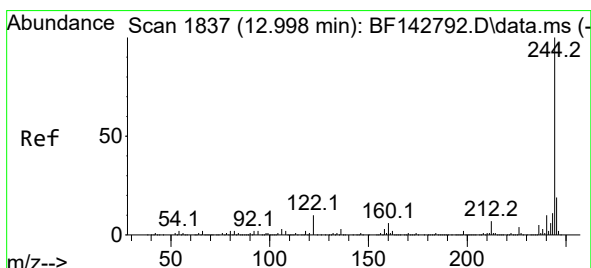
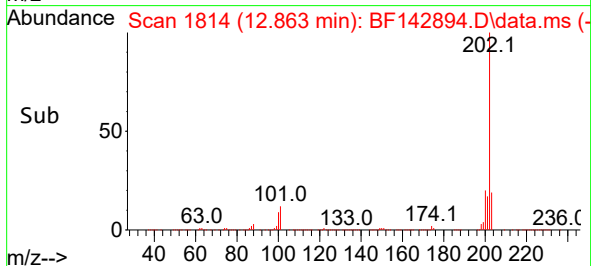
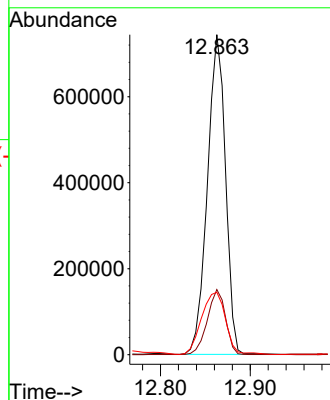
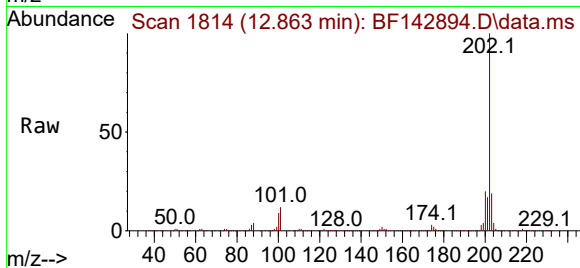
203 19.5 13.8 20.6

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Reviewed By :Rahul Chavli 06/30/2025

Supervised By :Jagrut Upadhyay 06/30/2025



#79

Terphenyl-d14

Concen: 4.266 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

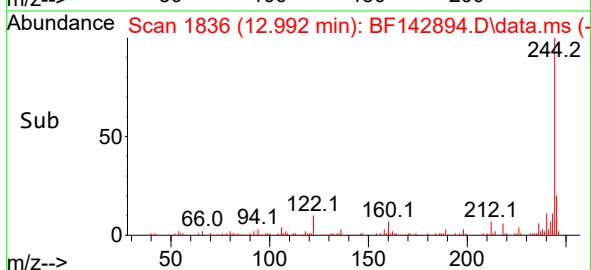
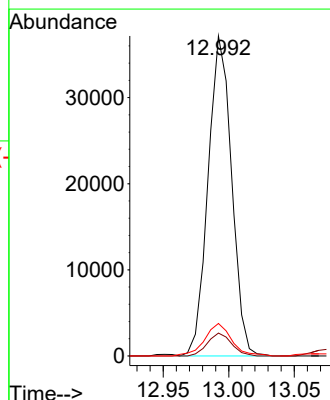
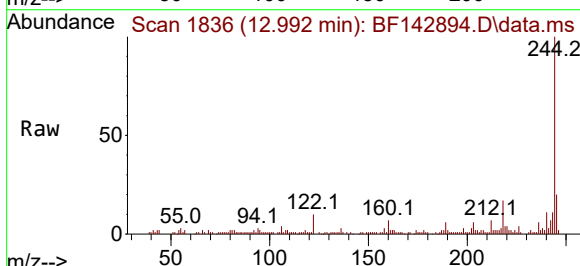
Tgt Ion:244 Resp: 46417

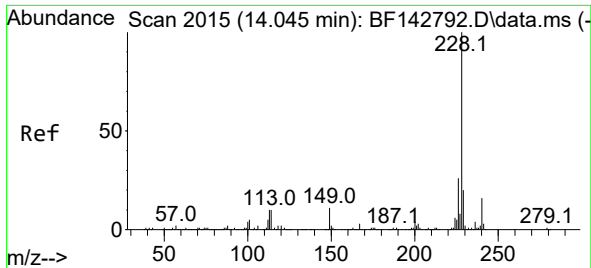
Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

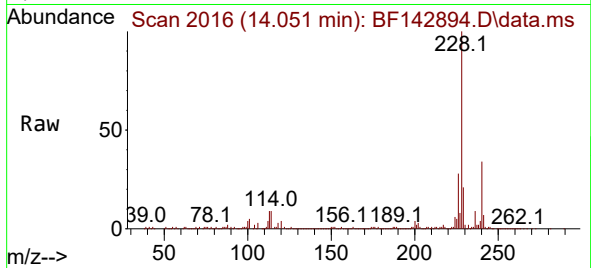
122 10.1 8.2 12.2





#81
Benzo(a)anthracene
Concen: 34.733 ng
RT: 14.051 min Scan# 2016
Delta R.T. 0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

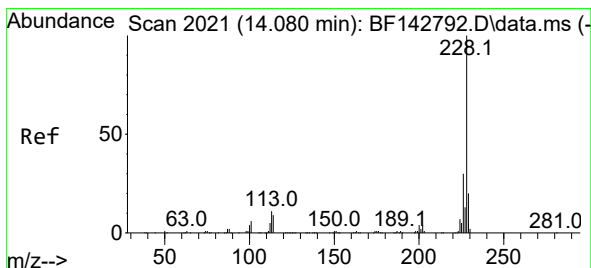
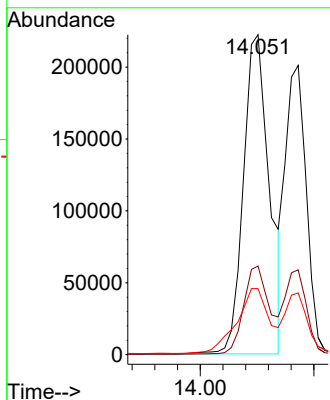
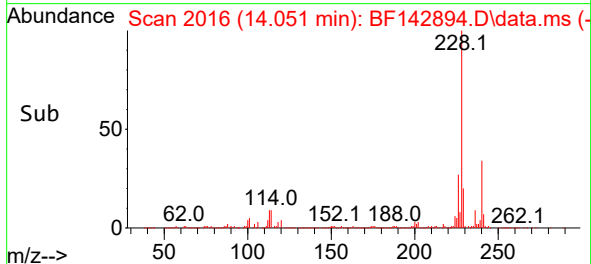
Instrument :
BNA_F
ClientSampleId :
72-11933DL



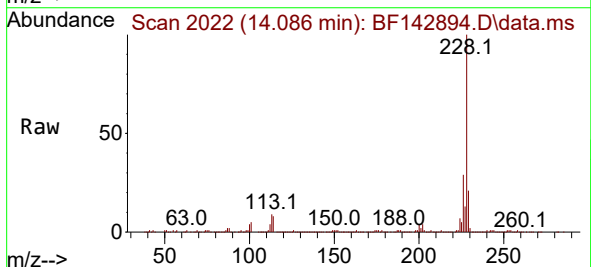
Tgt Ion:228 Resp: 352280
Ion Ratio Lower Upper
228 100
226 27.7 21.2 31.8
229 20.7 15.6 23.4

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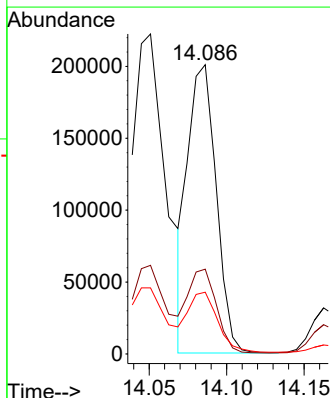
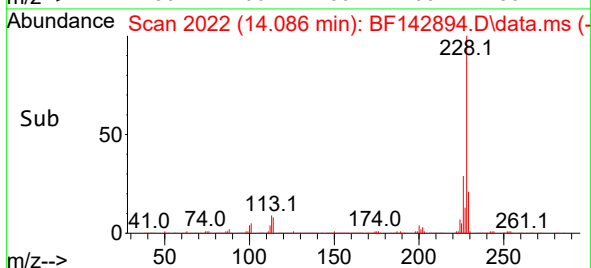
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025

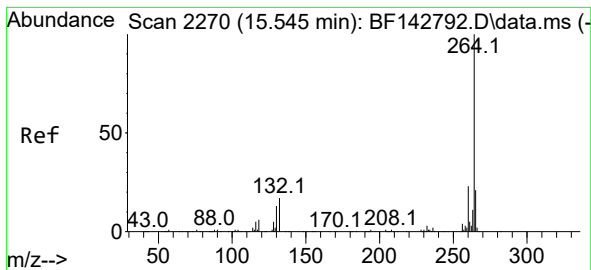


#83
Chrysene
Concen: 28.255 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44



Tgt Ion:228 Resp: 255720
Ion Ratio Lower Upper
228 100
226 29.3 23.7 35.5
229 21.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

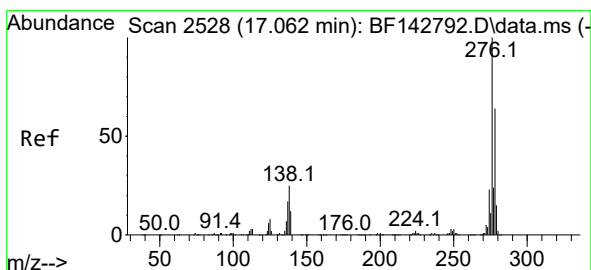
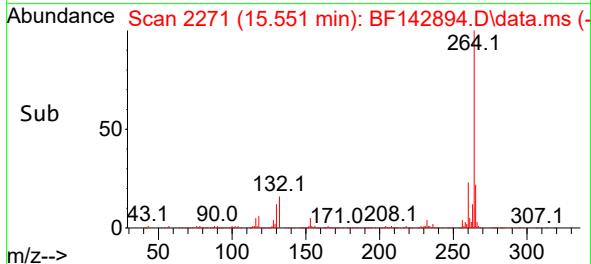
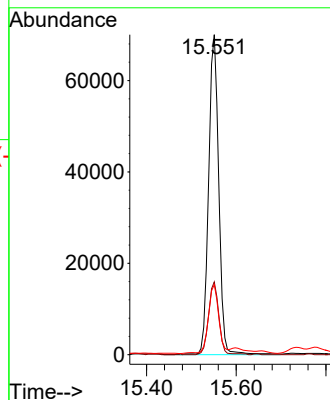
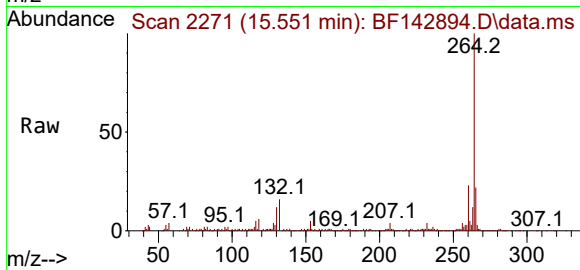
Tgt Ion:264 Resp: 10994
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.1 27.1
 265 21.9 16.6 25.0

Manual Integrations

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Reviewed By :Rahul Chavli 06/30/2025

Supervised By :Jagrut Upadhyay 06/30/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.269 ng

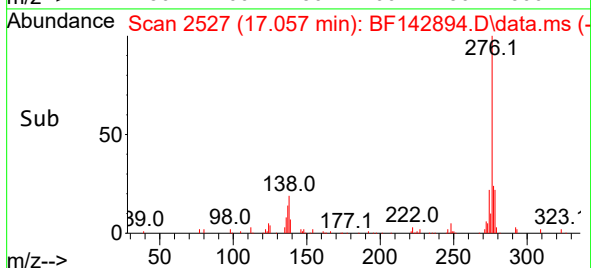
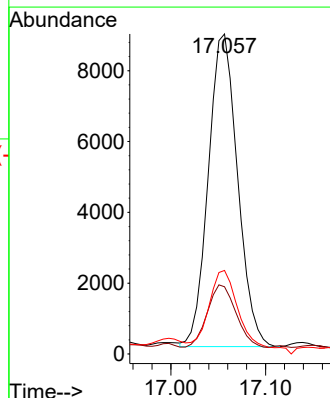
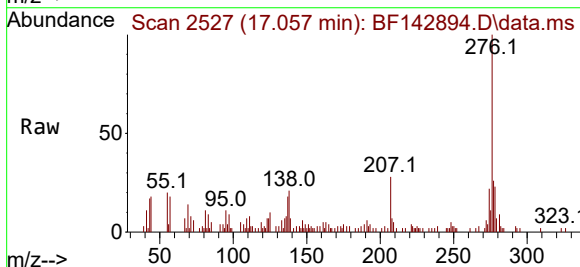
RT: 17.057 min Scan# 2527

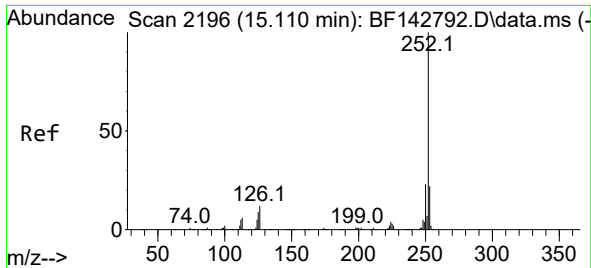
Delta R.T. -0.006 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

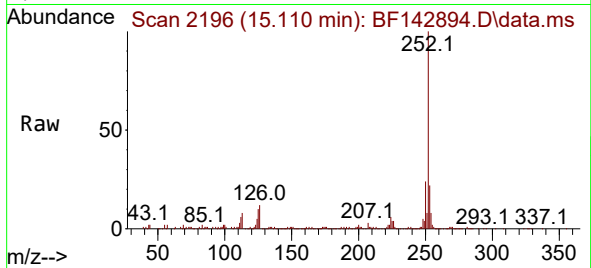
Tgt Ion:276 Resp: 18997
 Ion Ratio Lower Upper
 276 100
 138 19.6 20.2 30.4#
 277 29.7 19.8 29.6#





#88
Benzo(b)fluoranthene
Concen: 24.476 ng m
RT: 15.110 min Scan# 2196
Delta R.T. 0.000 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

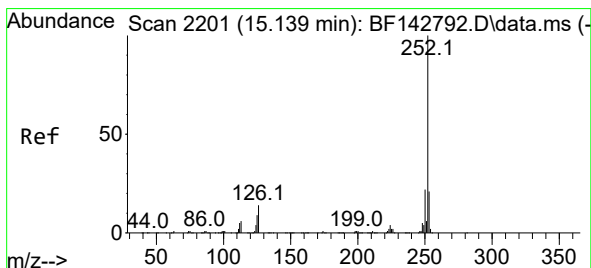
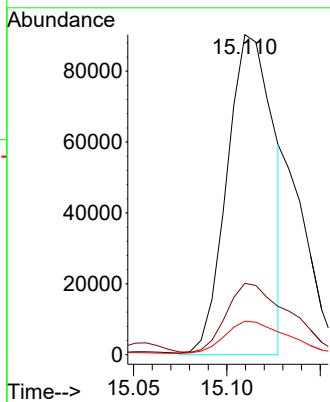
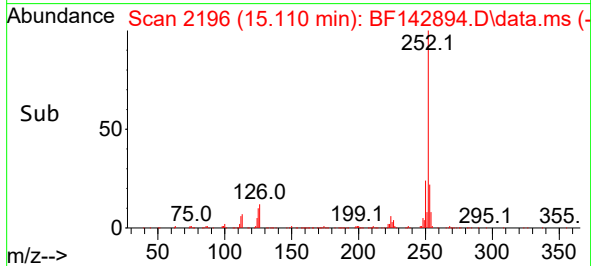
Instrument :
BNA_F
ClientSampleId :
72-11933DL



Tgt Ion:252 Resp: 155708
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 10.4 7.4 11.0

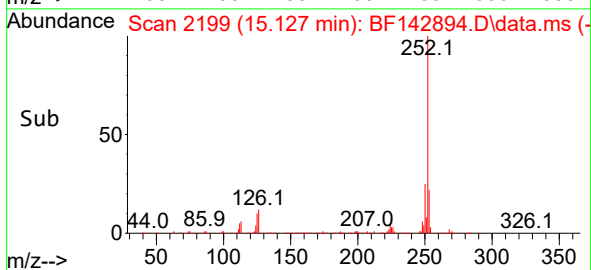
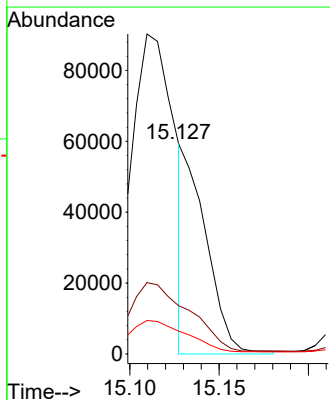
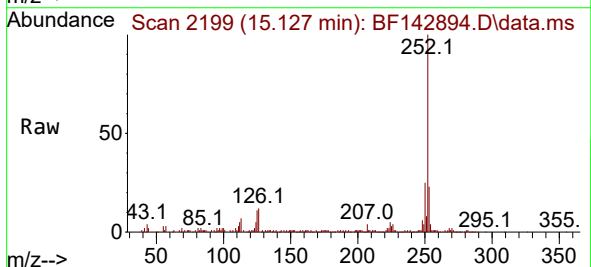
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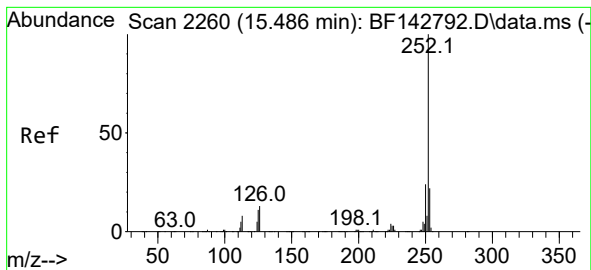
Reviewed By :Rahul Chavli 06/30/2025
Supervised By :Jagrut Upadhyay 06/30/2025



#89
Benzo(k)fluoranthene
Concen: 8.542 ng m
RT: 15.127 min Scan# 2199
Delta R.T. -0.012 min
Lab File: BF142894.D
Acq: 27 Jun 2025 15:44

Tgt Ion:252 Resp: 50839
Ion Ratio Lower Upper
252 100
253 23.0 17.2 25.8
125 10.8 7.4 11.2





#90

Benzo(a)pyrene

Concen: 10.687 ng

RT: 15.486 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Instrument :

BNA_F

ClientSampleId :

72-11933DL

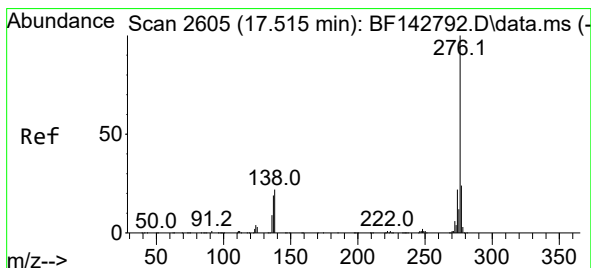
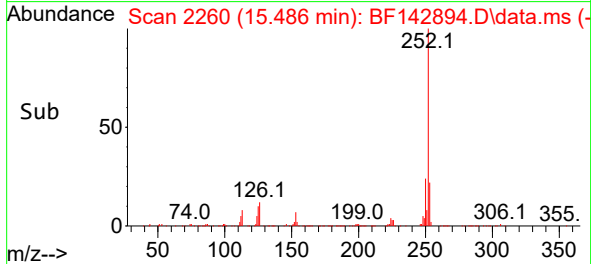
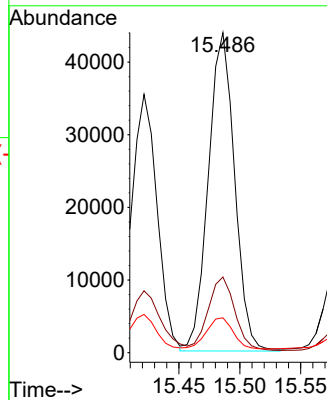
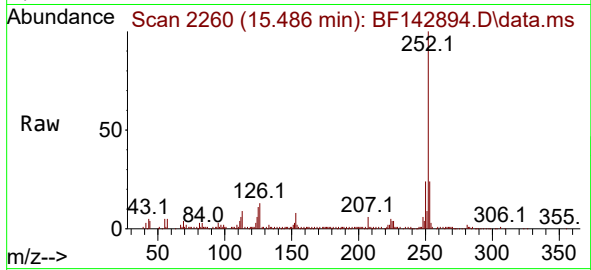
Tgt Ion:	252	Resp:	65679
Ion Ratio	Lower	Upper	
252	100		
253	23.7	17.5	26.3
125	10.9	8.6	12.8

Manual Integrations

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Reviewed By :Rahul Chavli 06/30/2025

Supervised By :Jagrut Upadhyay 06/30/2025



#92

Benzo(g,h,i)perylene

Concen: 2.362 ng

RT: 17.515 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF142894.D

Acq: 27 Jun 2025 15:44

Tgt Ion:	276	Resp:	16027
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.8	28.2
138	22.4	17.6	26.4

