

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142172.D
 Acq On : 28 Mar 2025 21:00
 Operator : RC/JU
 Sample : Q1656-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VNJ239

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/31/2025
 Supervised By :Jagrut Upadhyay 03/31/2025

Quant Time: Mar 28 22:49:54 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	113649	20.000	ng	-0.01
21) Naphthalene-d8	8.151	136	379060	20.000	ng	#-0.01
39) Acenaphthene-d10	9.928	164	172637	20.000	ng	0.01
64) Phenanthrene-d10	11.457	188	209405	20.000	ng	# 0.05
76) Chrysene-d12	14.074	240	231146	20.000	ng	# 0.04
86) Perylene-d12	15.527	264	178143	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	368820	54.162	ng	-0.01
7) Phenol-d6	6.493	99	435033	50.176	ng	-0.01
23) Nitrobenzene-d5	7.428	82	268885	39.919	ng	-0.02
42) 2,4,6-Tribromophenol	10.733	330	134122	61.239	ng	0.03
45) 2-Fluorobiphenyl	9.228	172	454976	40.080	ng	-0.01
79) Terphenyl-d14	13.045	244	511460	32.714	ng	0.06
Target Compounds						Qvalue
52) Acenaphthene	9.957	154	92093	9.032	ng	# 77
71) Phenanthrene	11.480	178	551878	48.793	ng	# 58
72) Anthracene	11.533	178	127027m	11.194	ng	
75) Fluoranthene	12.692	202	345709	28.814	ng	72
78) Pyrene	12.922	202	504830m	25.249	ng	
81) Benzo(a)anthracene	14.063	228	188376	12.419	ng	# 82
83) Chrysene	14.098	228	173158	12.594	ng	# 90
84) Bis(2-ethylhexyl)phtha...	14.027	149	70244	6.510	ng	# 72
87) Indeno(1,2,3-cd)pyrene	17.004	276	44029	3.821	ng	96
88) Benzo(b)fluoranthene	15.098	252	137355m	11.250	ng	
89) Benzo(k)fluoranthene	15.116	252	32225m	3.084	ng	
90) Benzo(a)pyrene	15.463	252	97145	10.169	ng	# 91
92) Benzo(g,h,i)perylene	17.457	276	44416	4.727	ng	97

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

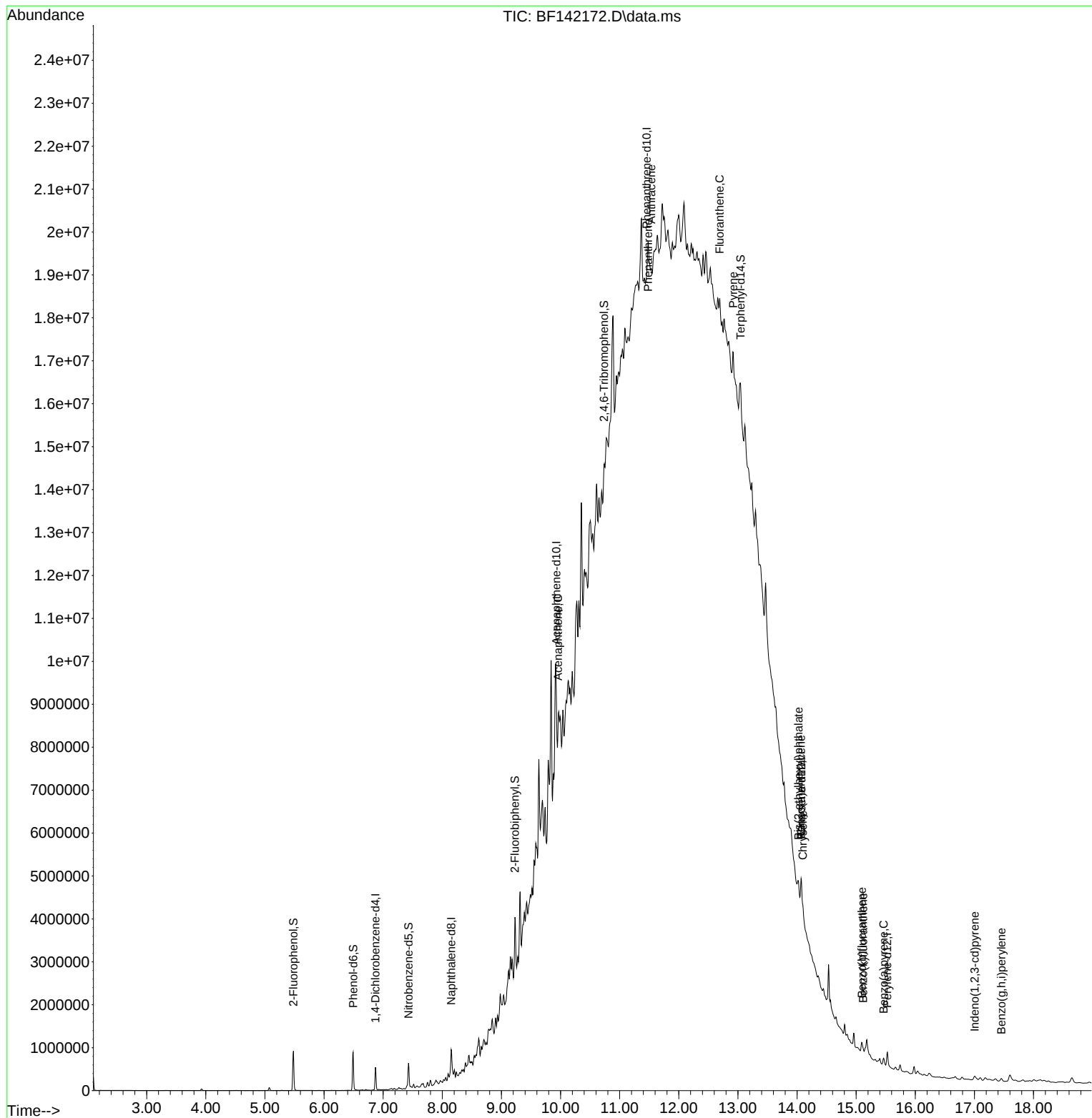
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
Data File : BF142172.D
Acq On : 28 Mar 2025 21:00
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Sample : Q1656-01 2X
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ALS Vial : 23 Sample Multiplier: 1

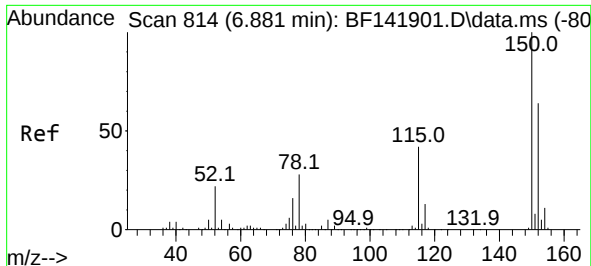
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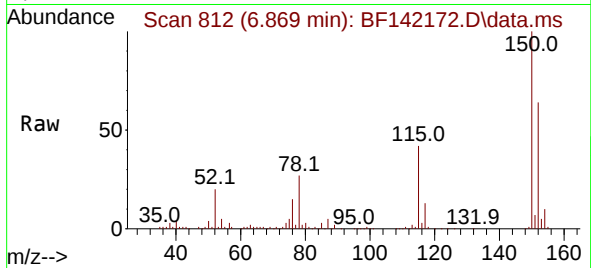
Quant Time: Mar 28 22:49:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

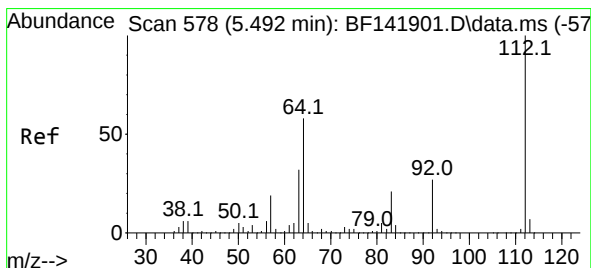
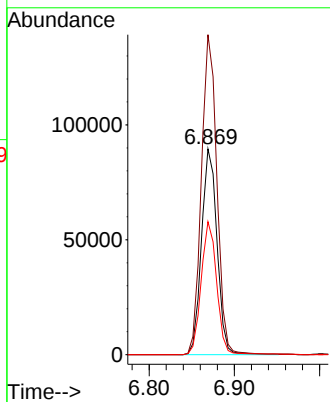
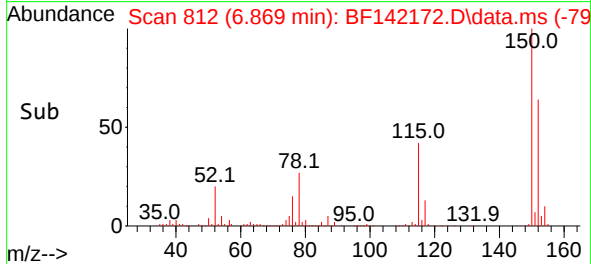
Instrument :
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VNJ239



Tgt Ion:152 Resp: 113649
Ion Ratio Lower Upper
152 100
150 155.5 127.4 191.2
115 64.6 51.9 77.9

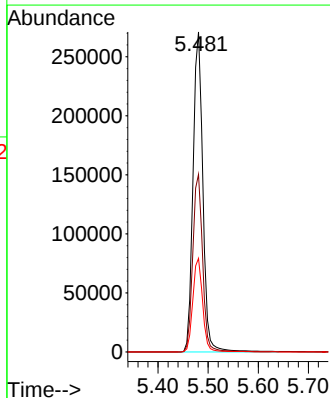
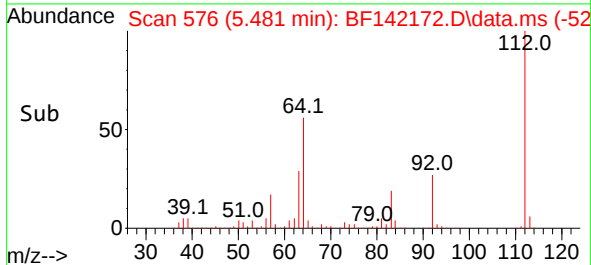
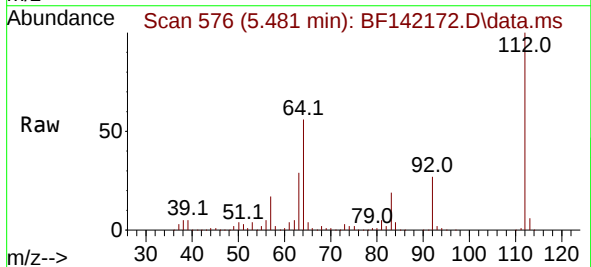
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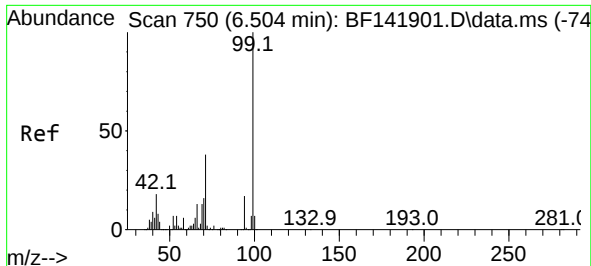
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#5
2-Fluorophenol
Concen: 54.162 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

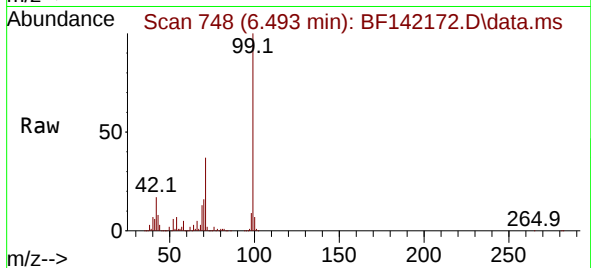
Tgt Ion:112 Resp: 368820
Ion Ratio Lower Upper
112 100
64 55.5 46.5 69.7
63 29.2 25.4 38.2





#7
Phenol-d6
Concen: 50.176 ng
RT: 6.493 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

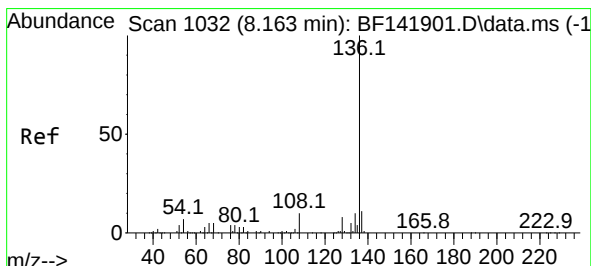
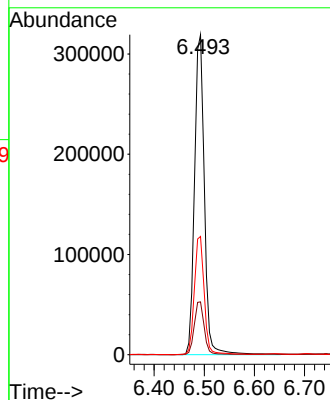
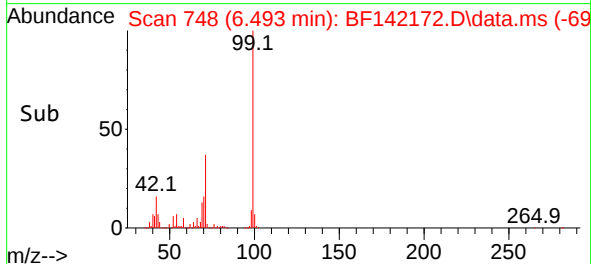
Instrument :
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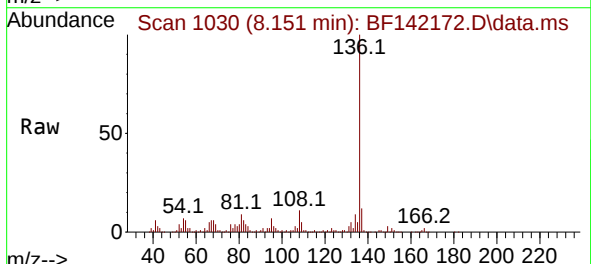
Tgt Ion: 99 Resp: 43503
Ion Ratio Lower Upper
99 100
42 16.5 14.6 21.8
71 36.9 30.8 46.2

Manual Integrations
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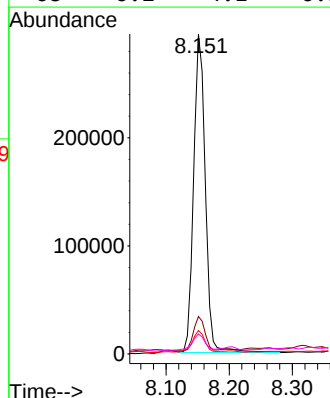
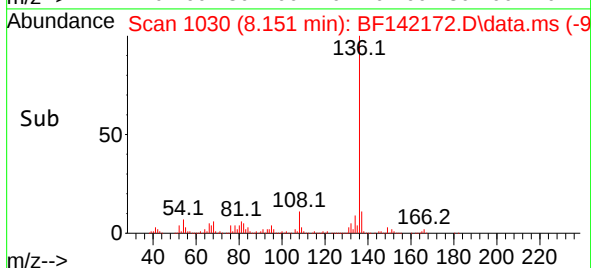
Reviewed By :Anahy Claudio 03/31/2025
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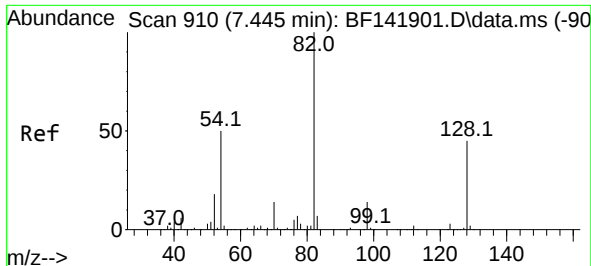


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00



Tgt Ion:136 Resp: 379060
Ion Ratio Lower Upper
136 100
137 11.7 8.8 13.2
54 7.3 5.8 8.8
68 6.2 4.1 6.1#





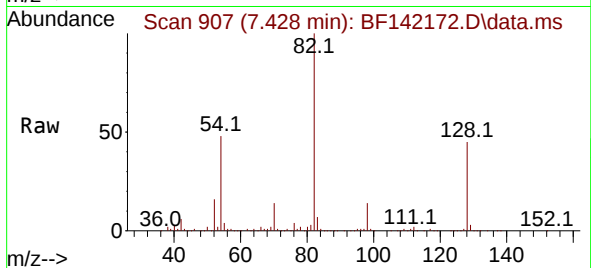
#23
Nitrobenzene-d5
Concen: 39.919 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.017 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

Instrument :

BNA_F

ClientSampleId :

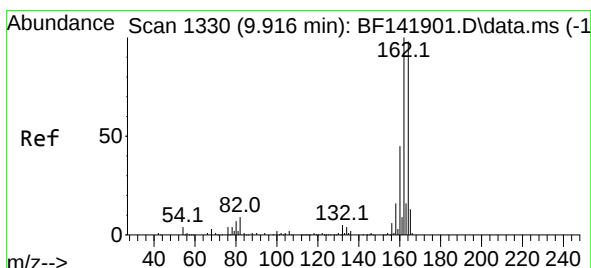
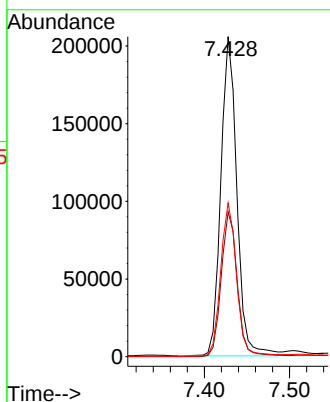
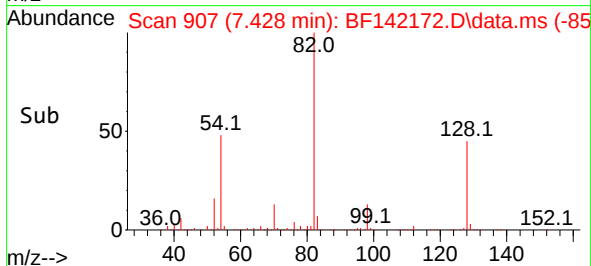
VNJ239



Tgt Ion: 82 Resp: 26888
Ion Ratio Lower Upper
82 100
128 45.3 36.0 54.0
54 48.1 39.6 59.4

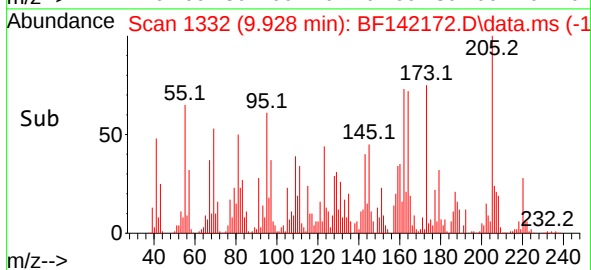
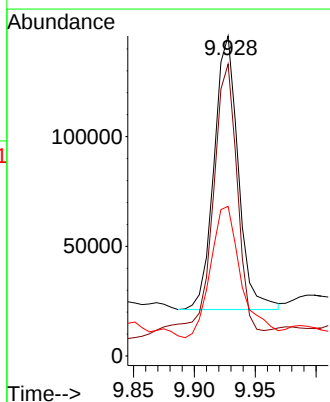
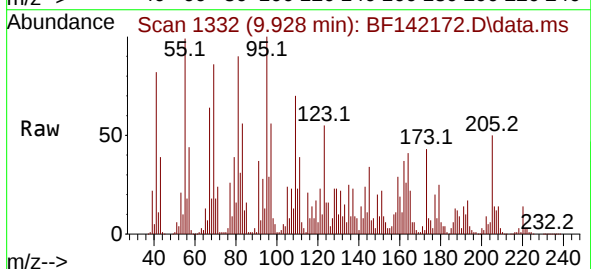
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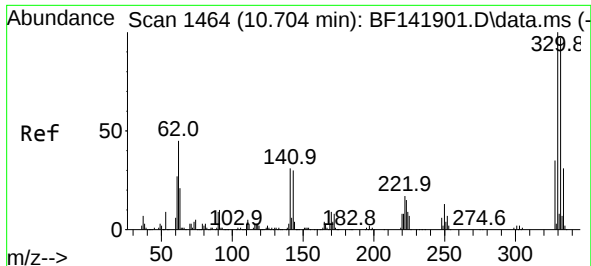
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1332
Delta R.T. 0.012 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

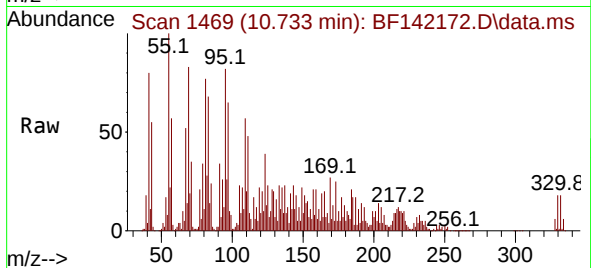
Tgt Ion:164 Resp: 172637
Ion Ratio Lower Upper
164 100
162 91.2 81.8 122.6
160 46.7 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 61.239 ng
RT: 10.733 min Scan# 1469
Delta R.T. 0.030 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

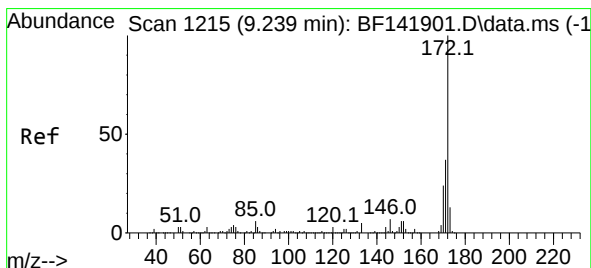
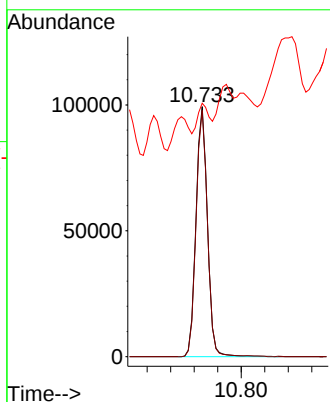
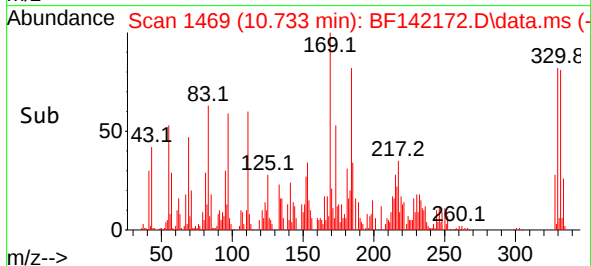
Instrument :
BNA_F
ClientSampleId :
VNJ239



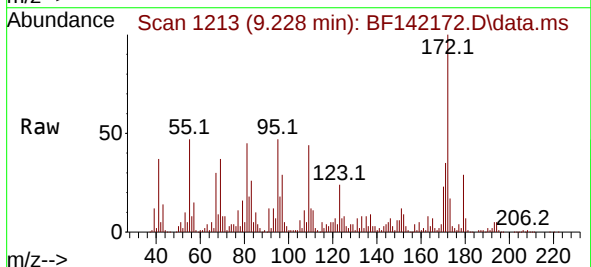
Tgt Ion: 330 Resp: 13412
Ion Ratio Lower Upper
330 100
332 98.1 77.6 116.4
141 11.9 24.7 37.1

Manual Integrations
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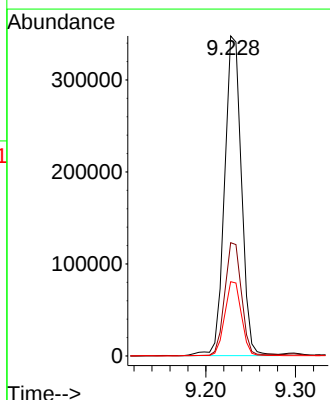
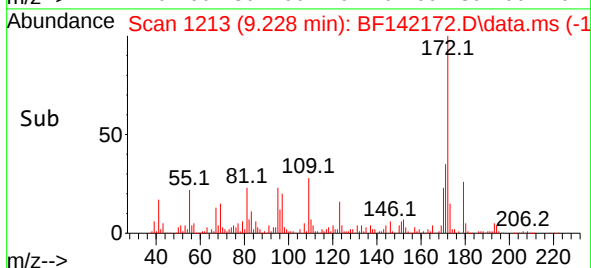
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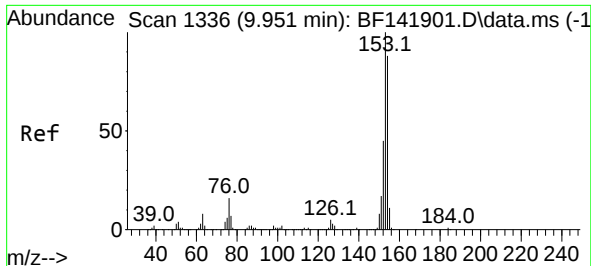


#45
2-Fluorobiphenyl
Concen: 40.080 ng
RT: 9.228 min Scan# 1213
Delta R.T. -0.012 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00



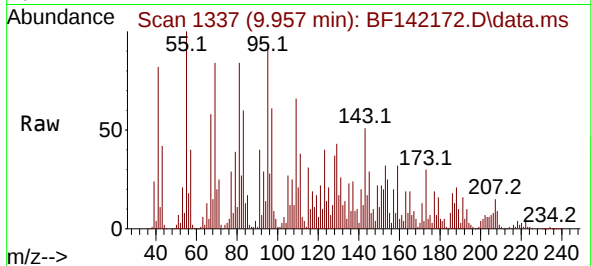
Tgt Ion: 172 Resp: 454976
Ion Ratio Lower Upper
172 100
171 35.4 29.3 43.9
170 23.2 19.4 29.0





#52
Acenaphthene
Concen: 9.032 ng
RT: 9.957 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

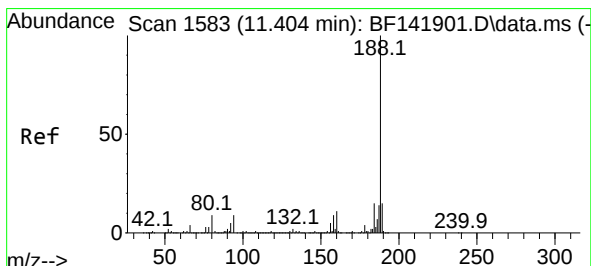
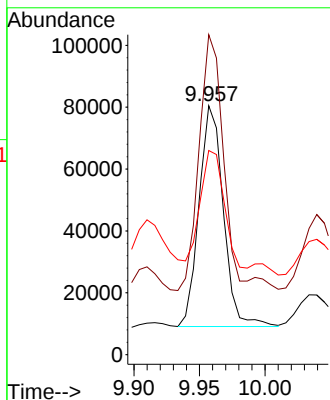
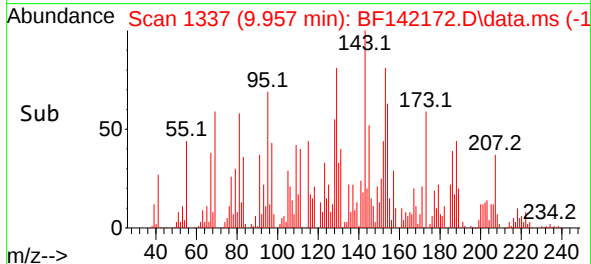
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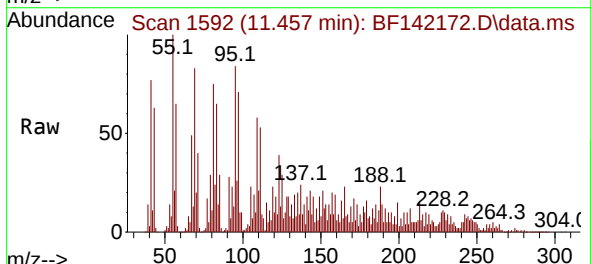
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Ion Ratio Lower Upper
154 100
153 128.6 90.7 136.1
152 82.0 41.1 61.7

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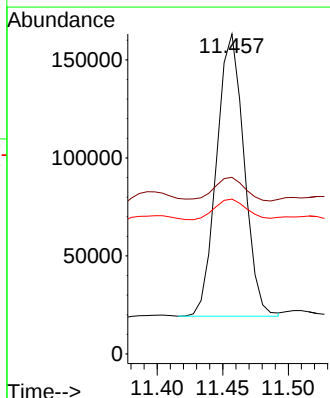
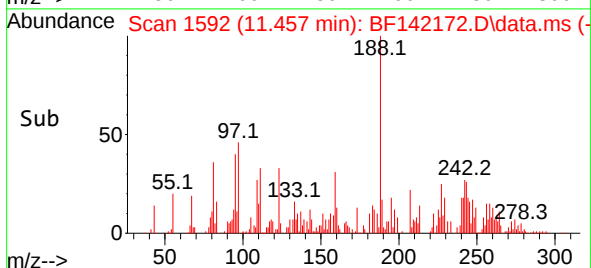
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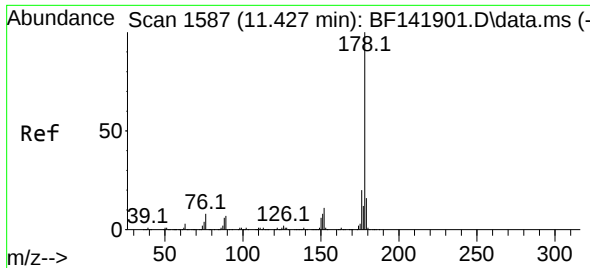


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.457 min Scan# 1592
Delta R.T. 0.053 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00



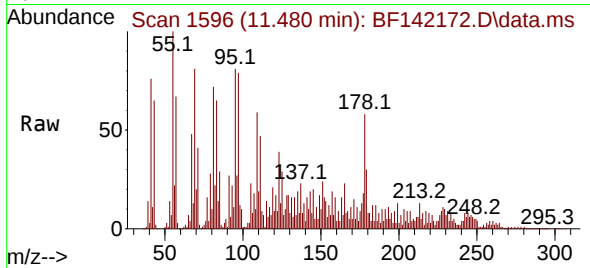
Tgt Ion:188 Resp: 209405
Ion Ratio Lower Upper
188 100
94 55.2 6.8 10.2#
80 48.4 7.6 11.4#





#71
Phenanthrene
Concen: 48.793 ng
RT: 11.480 min Scan# 11480
Delta R.T. 0.053 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

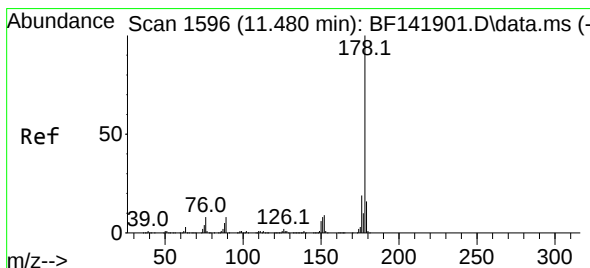
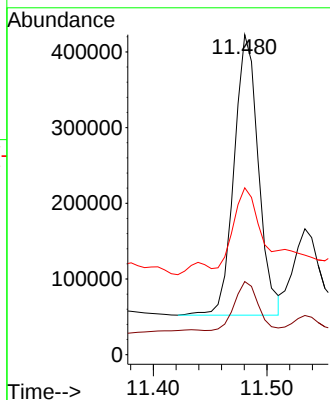
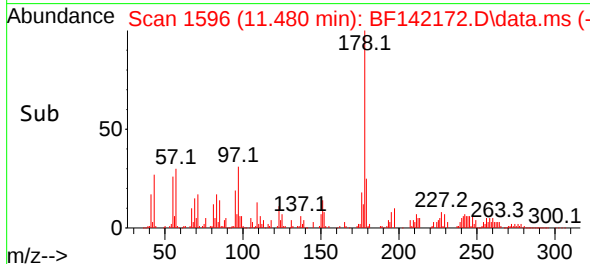
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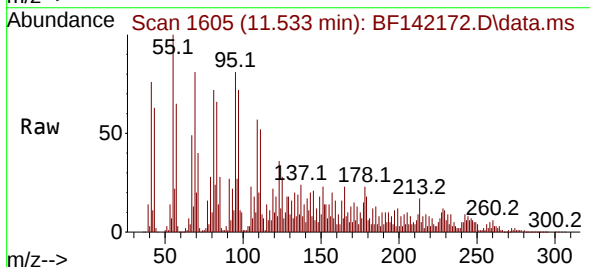
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Ion Ratio Lower Upper
178 100
176 22.9 15.8 23.8
179 52.1 12.6 19.0

Manual Integrations
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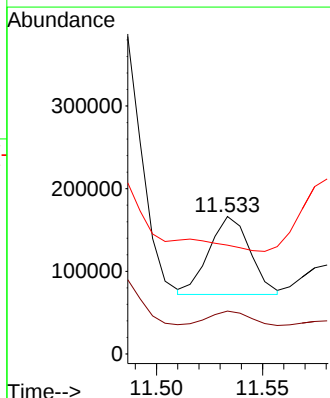
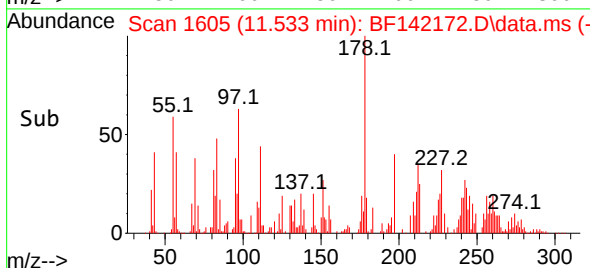
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

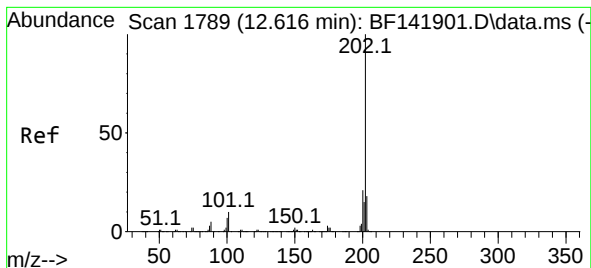


#72
Anthracene
Concen: 11.194 ng m
RT: 11.533 min Scan# 1605
Delta R.T. 0.053 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00



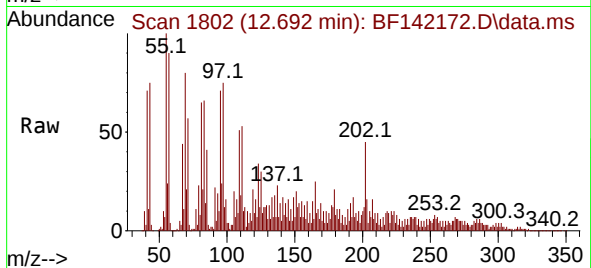
Tgt Ion:178 Resp: 127027
Ion Ratio Lower Upper
178 100
176 31.2 15.1 22.7#
179 79.1 12.6 19.0#





#75
Fluoranthene
Concen: 28.814 ng
RT: 12.692 min Scan# 1802
Delta R.T. 0.077 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

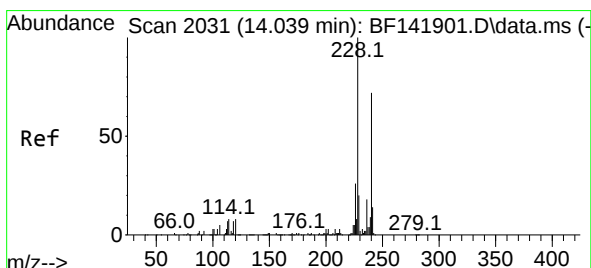
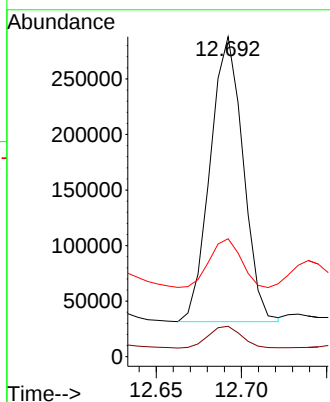
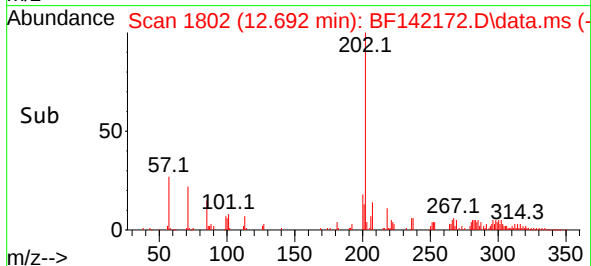
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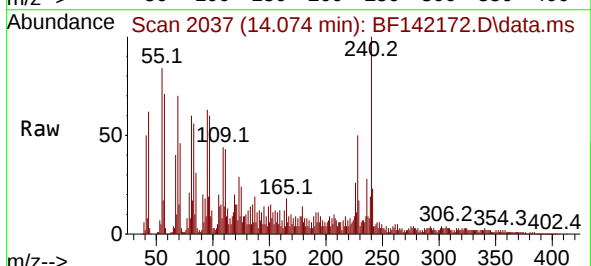
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Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.7
203 36.8 0.0 37.8

Manual Integrations
APPROVED

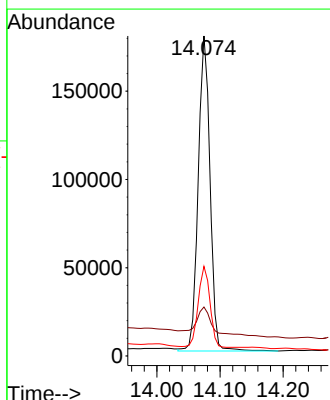
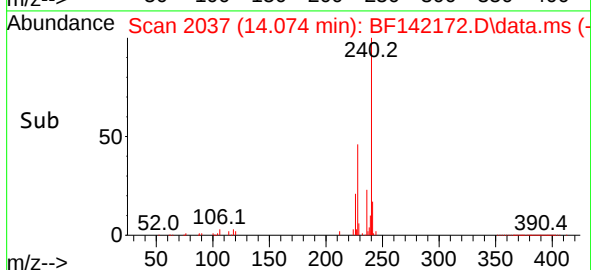
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

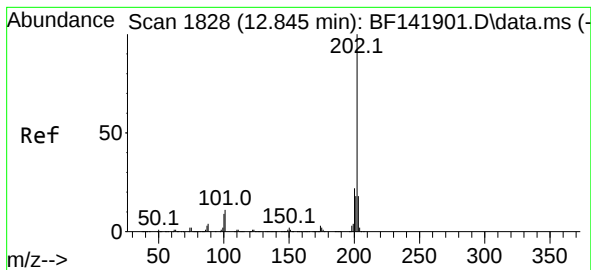


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2037
Delta R.T. 0.035 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00



Tgt Ion:240 Resp: 231146
Ion Ratio Lower Upper
240 100
120 15.3 8.4 12.6#
236 28.0 20.5 30.7





#78

Pyrene

Concen: 25.249 ng m

RT: 12.922 min Scan# 1841

Delta R.T. 0.077 min

Lab File: BF142172.D

Acq: 28 Mar 2025 21:00

Instrument :

BNA_F

ClientSampleId :

VNJ239

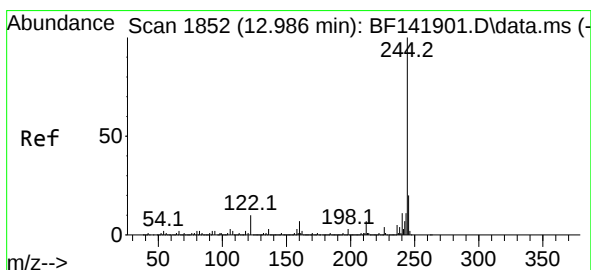
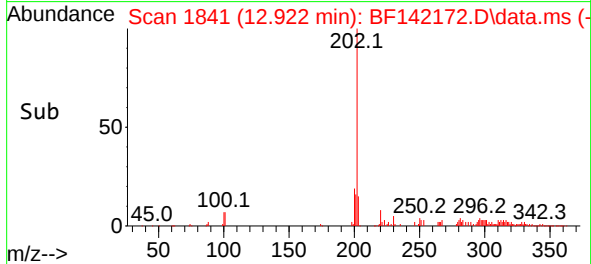
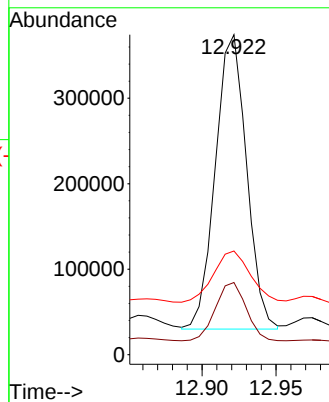
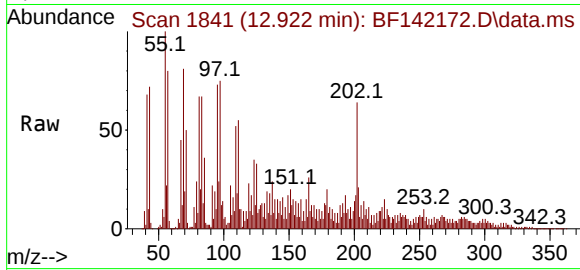
Tgt Ion:202 Resp: 504830
 Ion Ratio Lower Upper
 202 100
 200 22.5 17.3 25.9
 203 32.4 14.4 21.6

Manual Integrations

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Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#79

Terphenyl-d14

Concen: 32.714 ng

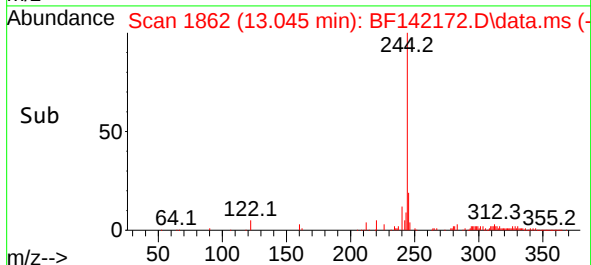
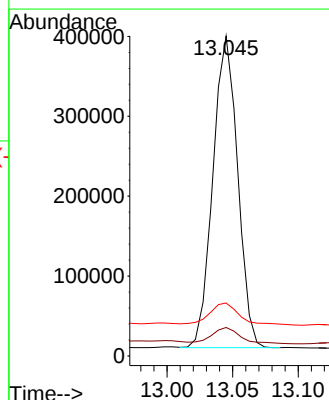
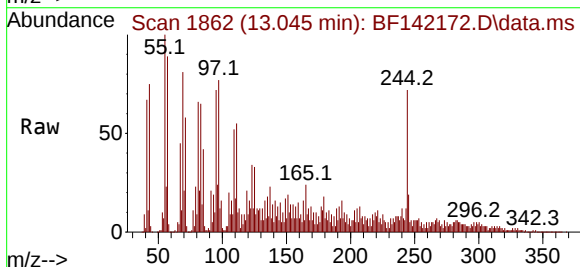
RT: 13.045 min Scan# 1862

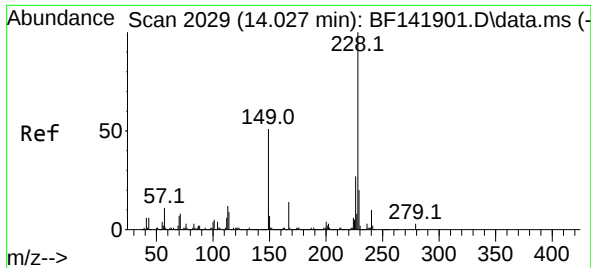
Delta R.T. 0.059 min

Lab File: BF142172.D

Acq: 28 Mar 2025 21:00

Tgt Ion:244 Resp: 511460
 Ion Ratio Lower Upper
 244 100
 212 8.9 6.0 9.0
 122 16.5 7.7 11.5





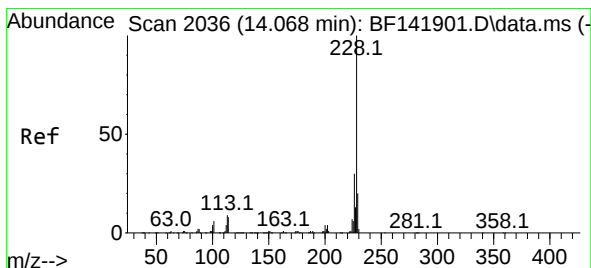
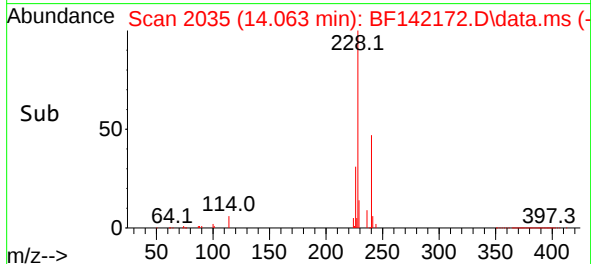
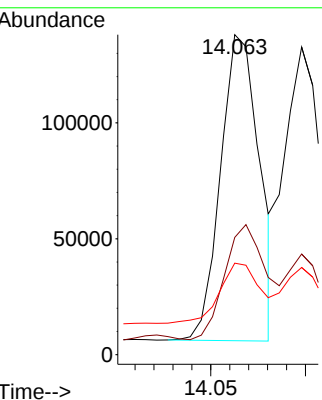
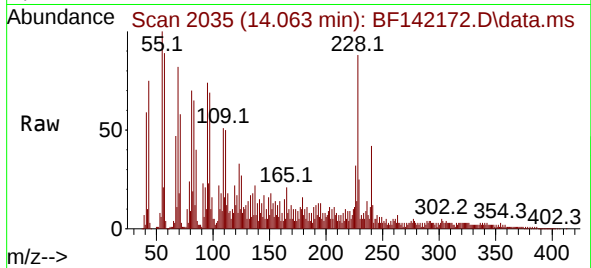
#81
Benzo(a)anthracene
Concen: 12.419 ng
RT: 14.063 min Scan# 2040
Delta R.T. 0.035 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

Instrument :
BNA_F
Client SampleId :
VNJ239

Tgt Ion:228 Resp: 188370
Ion Ratio Lower Upper
228 100
226 36.7 21.8 32.8
229 28.6 16.0 24.0

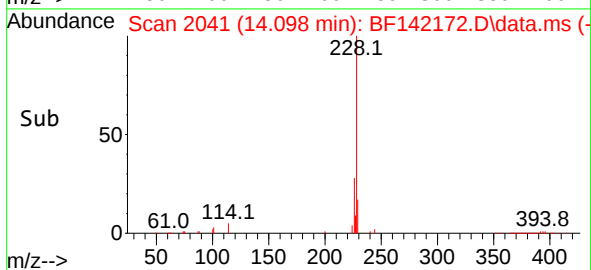
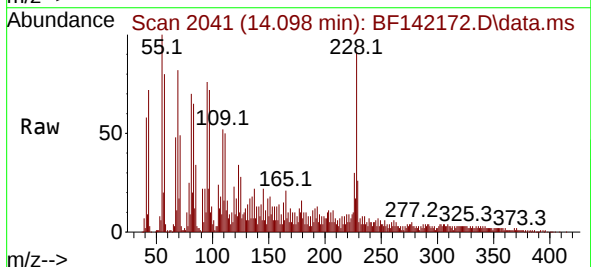
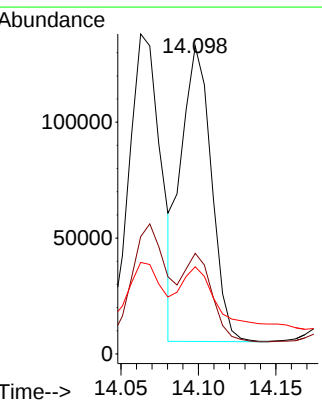
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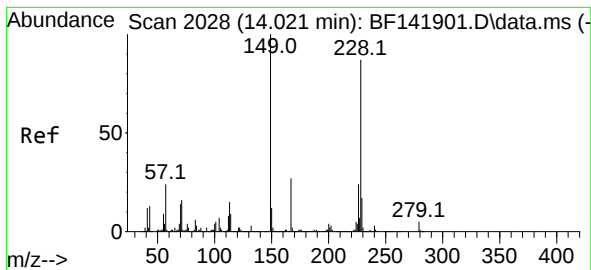
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#83
Chrysene
Concen: 12.594 ng
RT: 14.098 min Scan# 2041
Delta R.T. 0.030 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

Tgt Ion:228 Resp: 173158
Ion Ratio Lower Upper
228 100
226 32.7 24.1 36.1
229 28.4 15.7 23.5





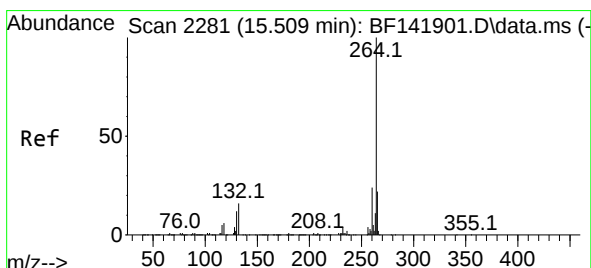
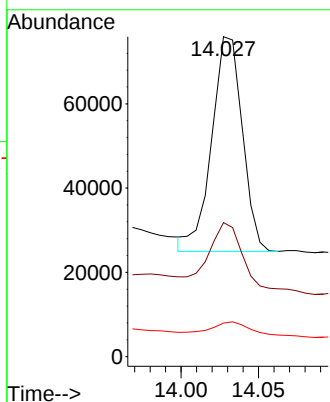
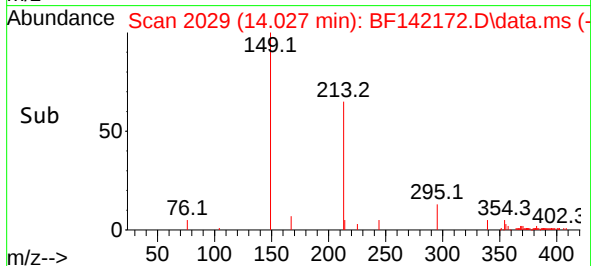
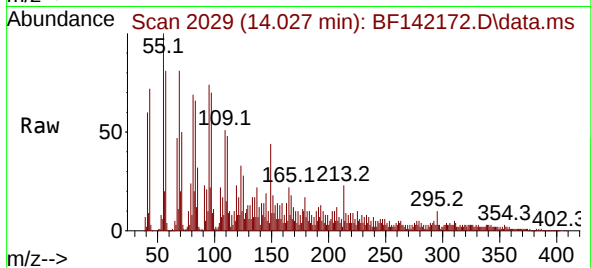
#84
Bis(2-ethylhexyl)phthalate
Concen: 6.510 ng
RT: 14.027 min Scan# 2028
Delta R.T. 0.006 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

Instrument :
BNA_F
ClientSampleId :
VNJ239

Tgt Ion:149 Resp: 70244
Ion Ratio Lower Upper
149 100
167 41.9 21.4 32.0
279 10.5 3.8 5.6

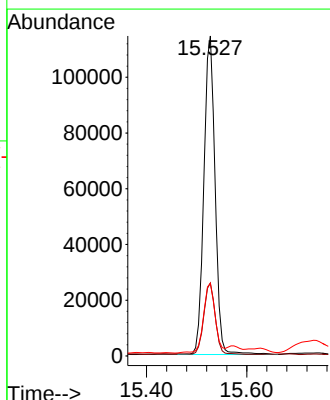
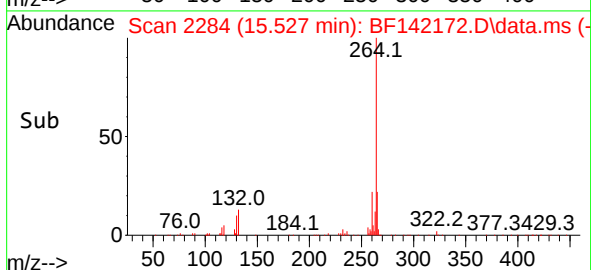
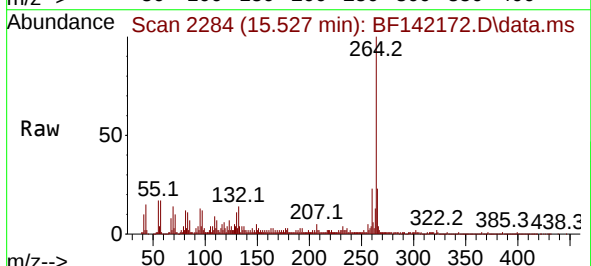
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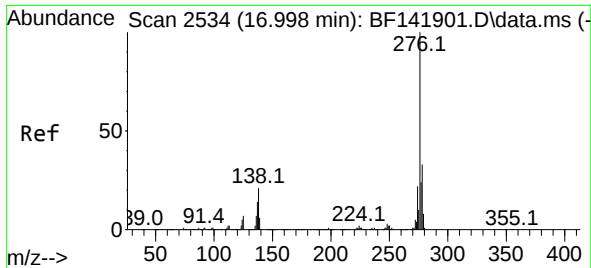
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.527 min Scan# 2284
Delta R.T. 0.018 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

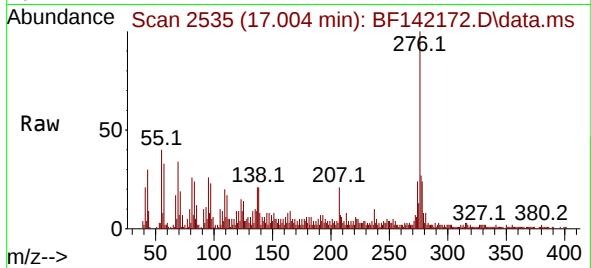
Tgt Ion:264 Resp: 178143
Ion Ratio Lower Upper
264 100
260 22.8 19.1 28.7
265 22.7 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.821 ng
RT: 17.004 min Scan# 2111
Delta R.T. 0.006 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

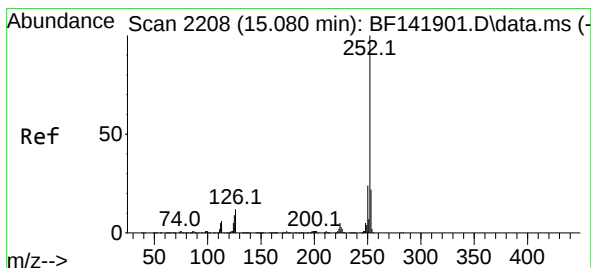
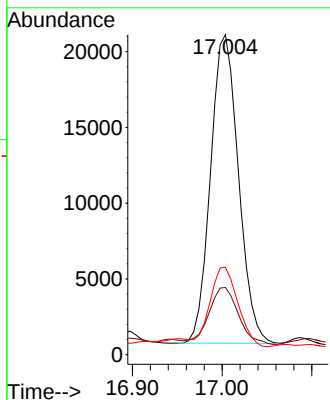
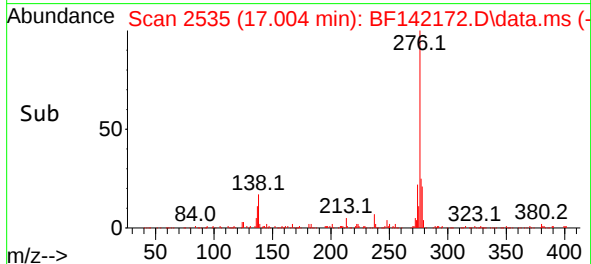
Instrument :
BNA_F
ClientSampleId :
VNJ239



Tgt Ion:276 Resp: 44029
Ion Ratio Lower Upper
276 100
138 19.7 18.4 27.6
277 25.9 20.3 30.5

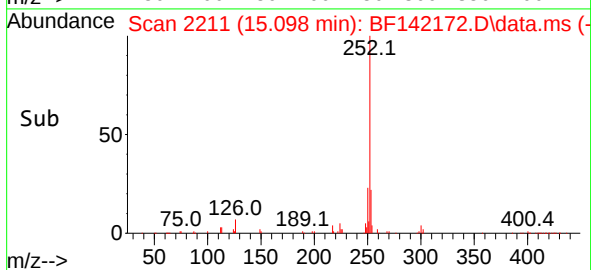
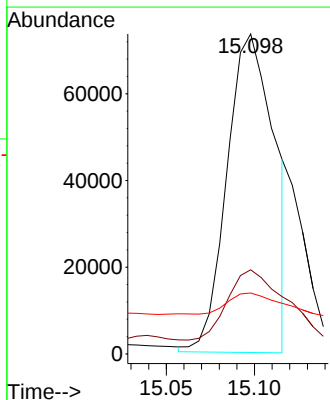
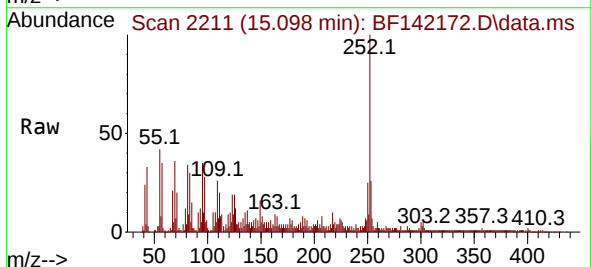
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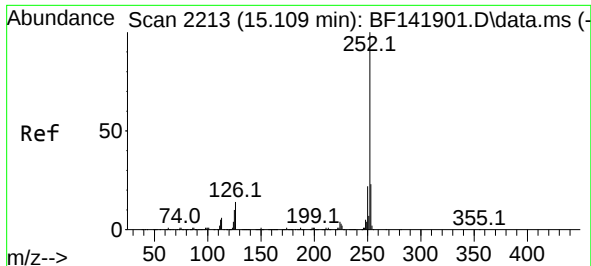
Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025



#88
Benzo(b)fluoranthene
Concen: 11.250 ng m
RT: 15.098 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

Tgt Ion:252 Resp: 137355
Ion Ratio Lower Upper
252 100
253 26.3 17.5 26.3#
125 19.0 7.0 10.4#





#89

Benzo(k)fluoranthene

Concen: 3.084 ng m

RT: 15.116 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142172.D

Acq: 28 Mar 2025 21:00

Instrument :

BNA_F

ClientSampleId :

VNJ239

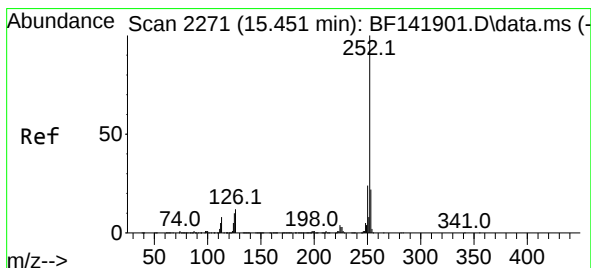
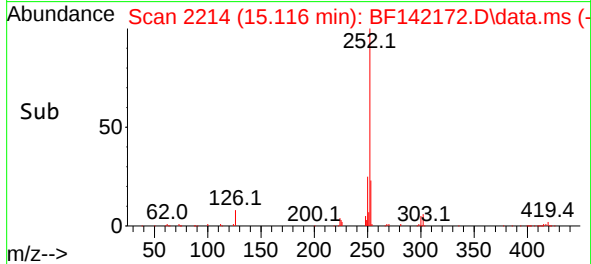
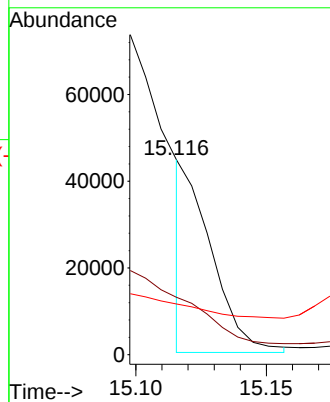
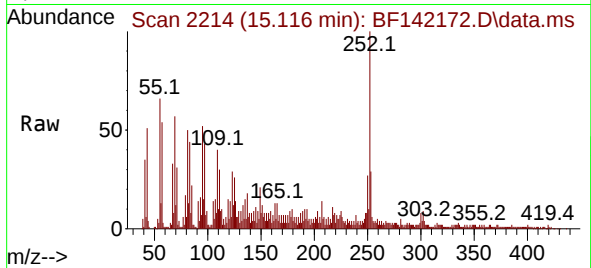
Tgt Ion:252 Resp: 32225
 Ion Ratio Lower Upper
 252 100
 253 29.5 17.7 26.5
 125 26.0 7.2 10.8

Manual Integrations

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Reviewed By :Anahy Claudio 03/31/2025

Supervised By :Jagrut Upadhyay 03/31/2025



#90

Benzo(a)pyrene

Concen: 10.169 ng

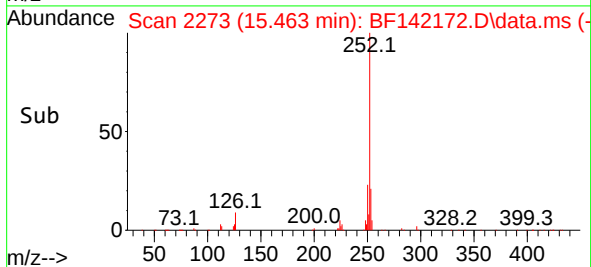
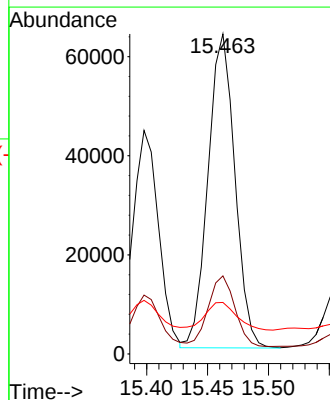
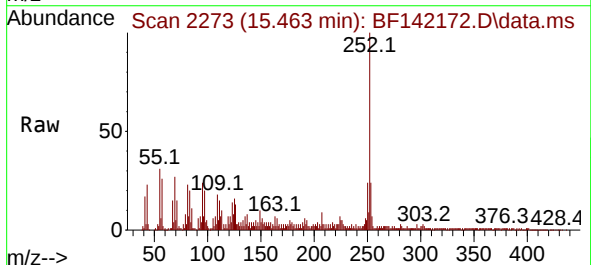
RT: 15.463 min Scan# 2273

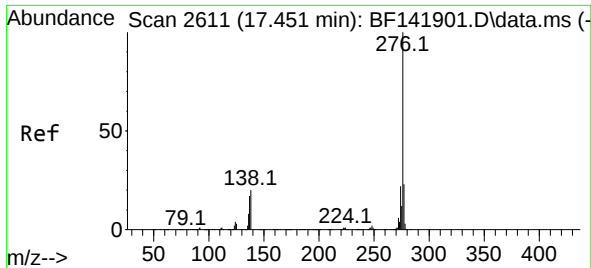
Delta R.T. 0.012 min

Lab File: BF142172.D

Acq: 28 Mar 2025 21:00

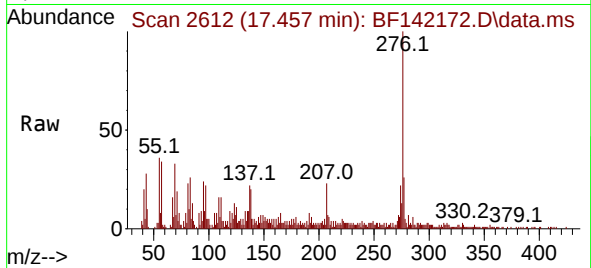
Tgt Ion:252 Resp: 97145
 Ion Ratio Lower Upper
 252 100
 253 24.4 17.4 26.0
 125 16.1 7.8 11.8





#92
Benzo(g,h,i)perylene
Concen: 4.727 ng
RT: 17.457 min Scan# 20
Delta R.T. 0.006 min
Lab File: BF142172.D
Acq: 28 Mar 2025 21:00

Instrument :
BNA_F
ClientSampleId :
VNJ239



Tgt Ion: 276 Resp: 44410
Ion Ratio Lower Upper
276 100
277 26.1 18.7 28.1
138 20.3 15.8 23.8

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 03/31/2025
Supervised By :Jagrut Upadhyay 03/31/2025

