

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142179.D
 Acq On : 31 Mar 2025 14:29
 Operator : RC/JU
 Sample : Q1657-01DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11998DL

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

Quant Time: Mar 31 15:04:06 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	6.863	152	125778	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	504358	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	238522	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	393426	20.000	ng	-0.01
76) Chrysene-d12	14.033	240	294471	20.000	ng	0.00
86) Perylene-d12	15.509	264	356799	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.475	112	396112	52.560	ng	-0.02
7) Phenol-d6	6.487	99	526180	54.837	ng	-0.02
23) Nitrobenzene-d5	7.422	82	337724	37.683	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	133744	44.199	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	712909	45.455	ng	-0.02
79) Terphenyl-d14	12.974	244	639710	32.118	ng	-0.01
Target Compounds						Qvalue
38) 1-Methylnaphthalene	8.957	142	46200	2.765	ng	98
46) 1,1'-Biphenyl	9.322	154	52445	2.894	ng	98
52) Acenaphthene	9.933	154	193765	13.755	ng	99
55) Dibenzofuran	10.110	168	201854	10.028	ng	97
58) Fluorene	10.451	166	211143	13.602	ng	100
71) Phenanthrene	11.416	178	899145	42.312	ng	99
72) Anthracene	11.469	178	119918	5.625	ng	99
75) Fluoranthene	12.604	202	448021	19.875	ng	100
78) Pyrene	12.833	202	319010	12.524	ng	98
81) Benzo(a)anthracene	14.021	228	115598	5.982	ng	99
83) Chrysene	14.057	228	85550	4.884	ng	97
88) Benzo(b)fluoranthene	15.074	252	97252m	3.977	ng	
90) Benzo(a)pyrene	15.445	252	72552	3.792	ng	98
92) Benzo(g,h,i)perylene	17.445	276	42699	2.269	ng	98

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

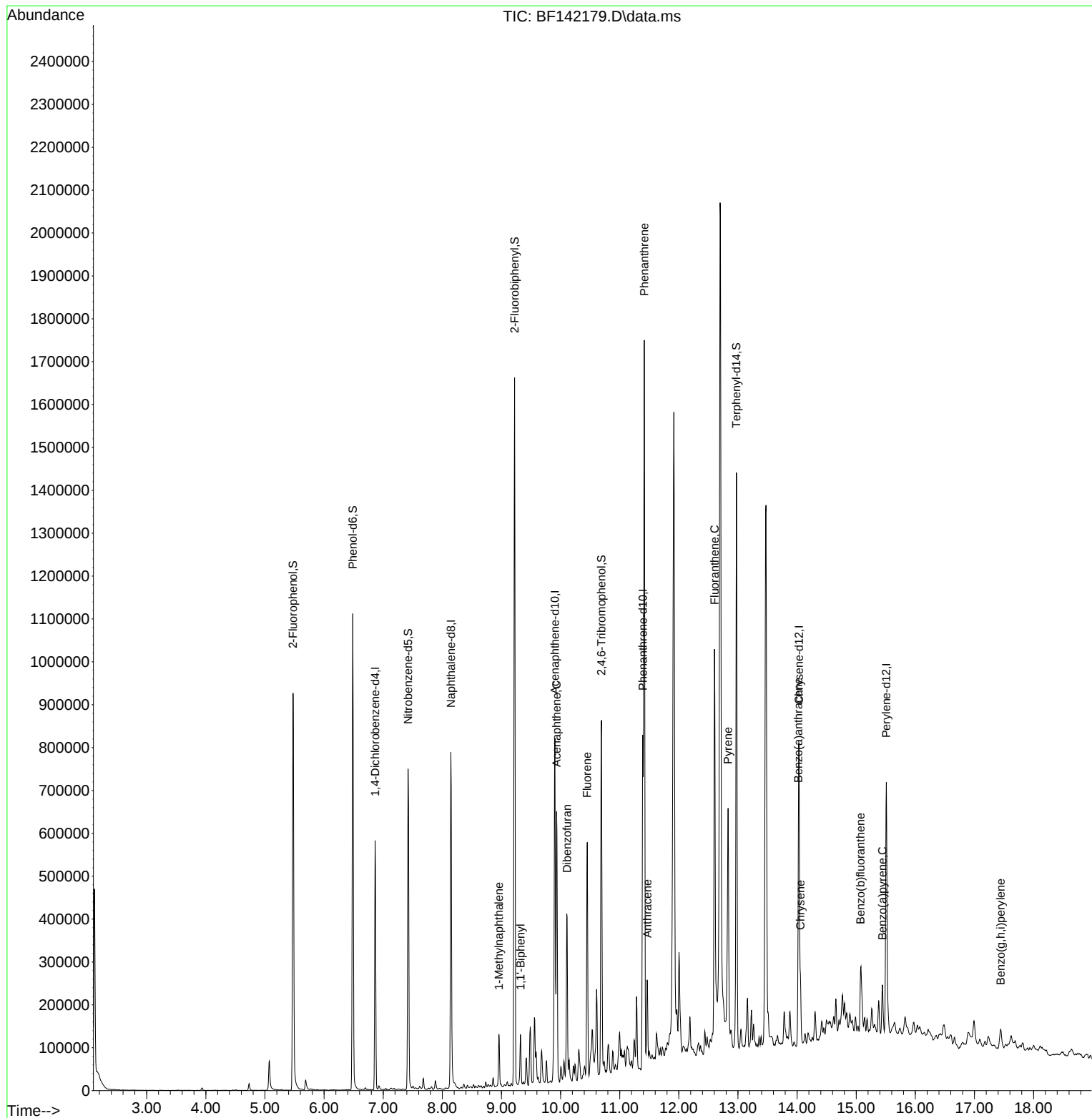
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
Data File : BF142179.D
Acq On : 31 Mar 2025 14:29
Operator : RC/JU
Sample : Q1657-01DL 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
72-11998DL

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

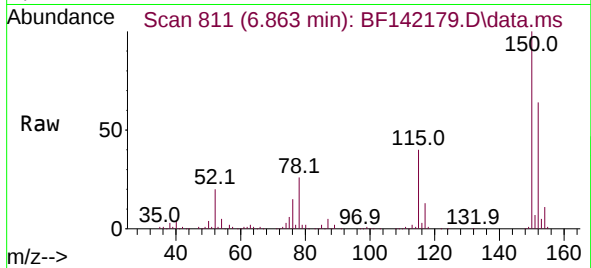
Quant Time: Mar 31 15:04:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

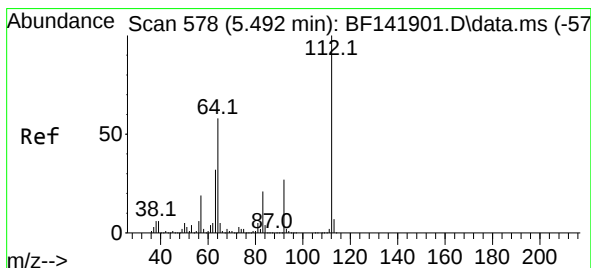
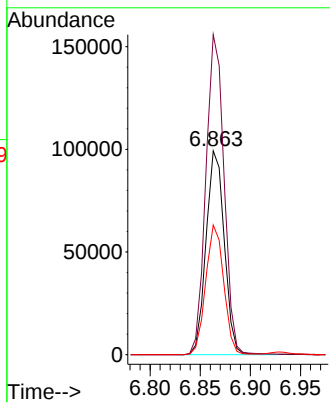
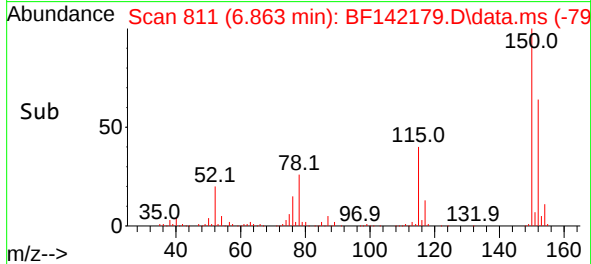
Instrument :
BNA_F
ClientSampleId :
72-11998DL



Tgt Ion:152 Resp: 125778
Ion Ratio Lower Upper
152 100
150 157.0 127.4 191.2
115 63.6 51.9 77.9

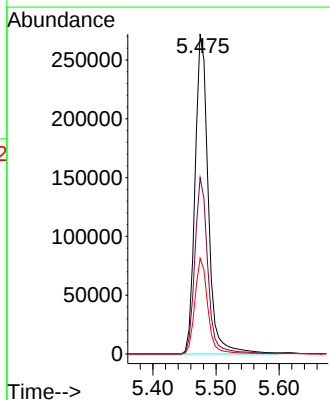
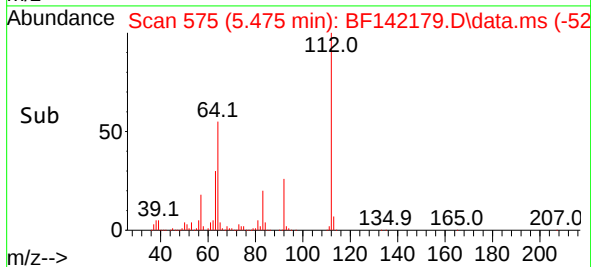
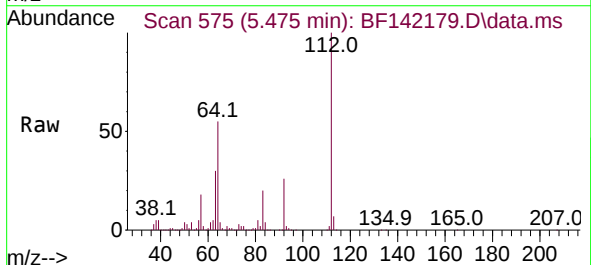
Manual Integrations
APPROVED

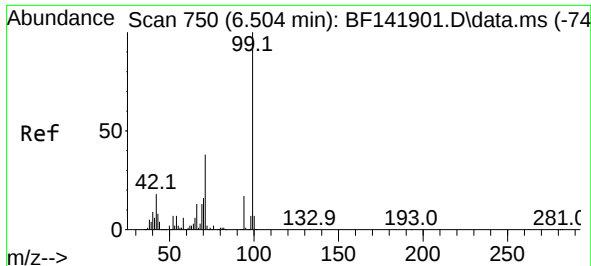
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 52.560 ng
RT: 5.475 min Scan# 575
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

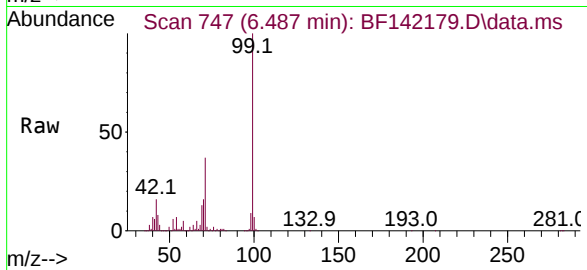
Tgt Ion:112 Resp: 396112
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 29.9 25.4 38.2





#7
Phenol-d6
Concen: 54.837 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

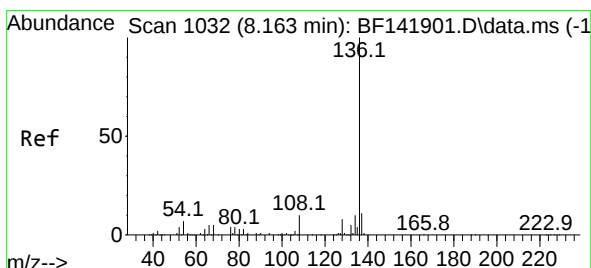
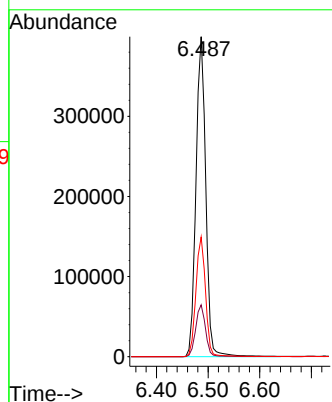
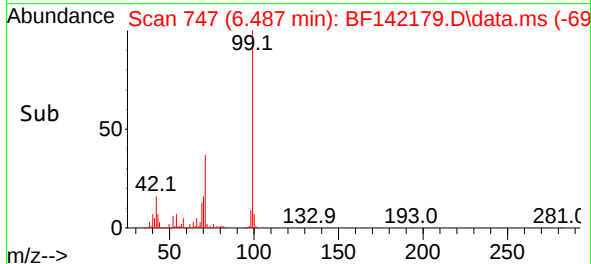
Instrument :
BNA_F
ClientSampleId :
72-11998DL



Tgt Ion: 99 Resp: 526180
Ion Ratio Lower Upper
99 100
42 16.2 14.6 21.8
71 37.4 30.8 46.2

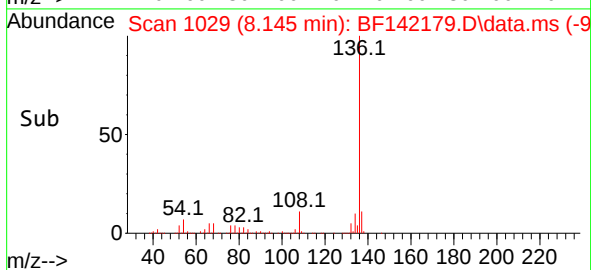
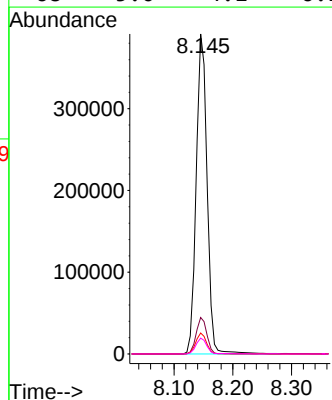
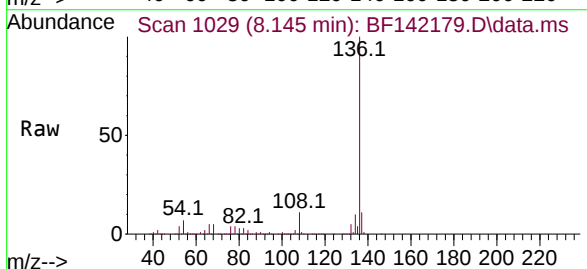
Manual Integrations
APPROVED

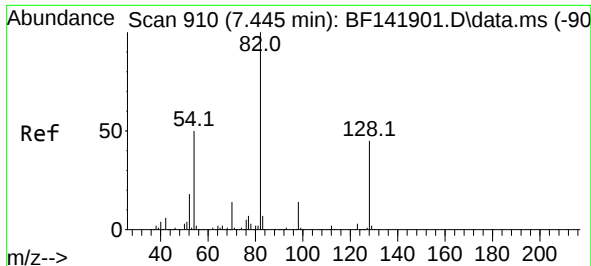
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

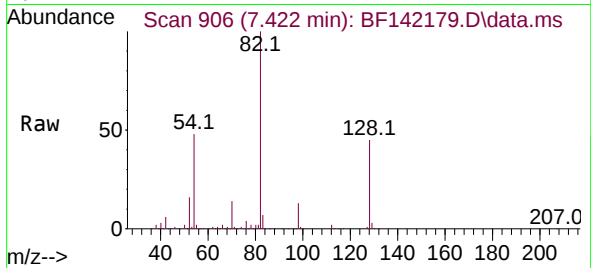
Tgt Ion:136 Resp: 504358
Ion Ratio Lower Upper
136 100
137 11.4 8.8 13.2
54 6.6 5.8 8.8
68 5.0 4.1 6.1





#23
Nitrobenzene-d5
Concen: 37.683 ng
RT: 7.422 min Scan# 906
Delta R.T. -0.024 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

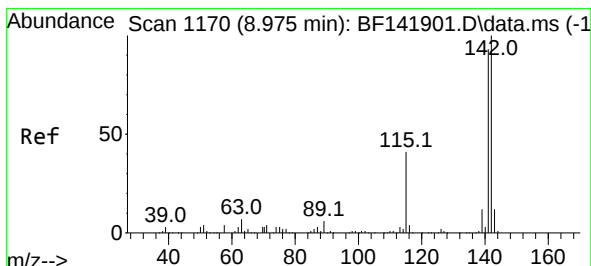
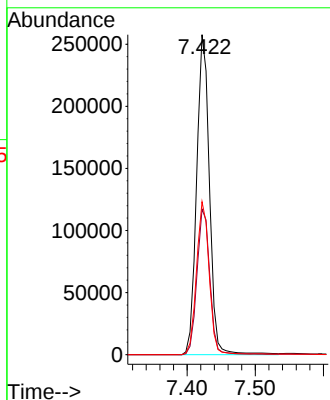
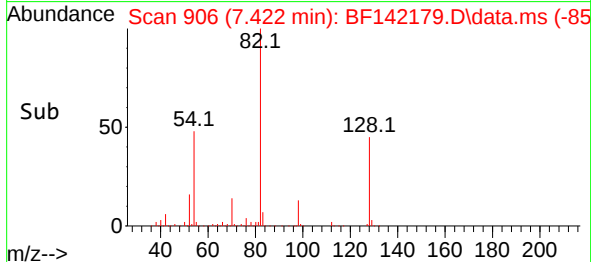
Instrument :
BNA_F
ClientSampleId :
72-11998DL



Tgt Ion: 82 Resp: 337724
Ion Ratio Lower Upper
82 100
128 45.5 36.0 54.0
54 47.8 39.6 59.4

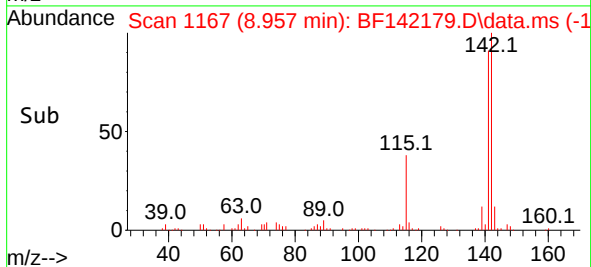
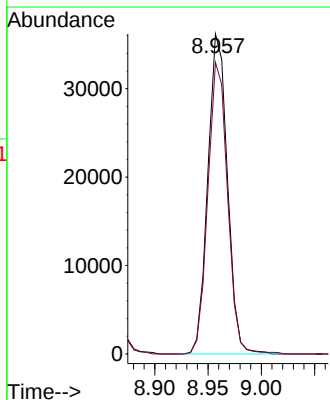
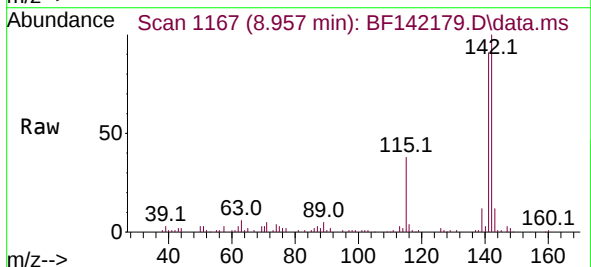
Manual Integrations
APPROVED

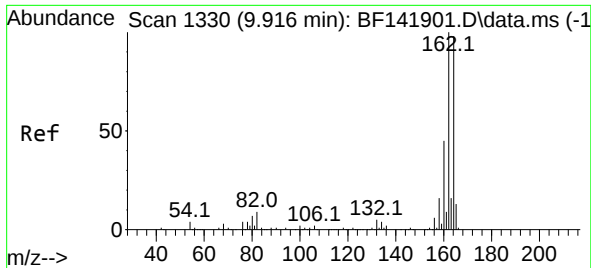
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#38
1-Methylnaphthalene
Concen: 2.765 ng
RT: 8.957 min Scan# 1167
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:142 Resp: 46200
Ion Ratio Lower Upper
142 100
141 91.1 74.2 111.4





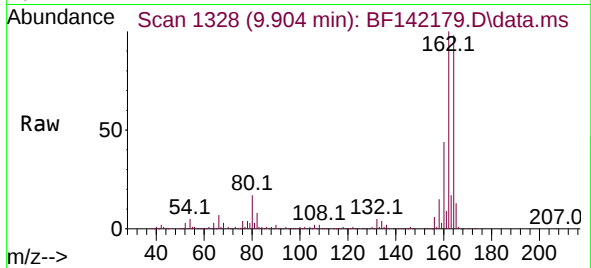
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

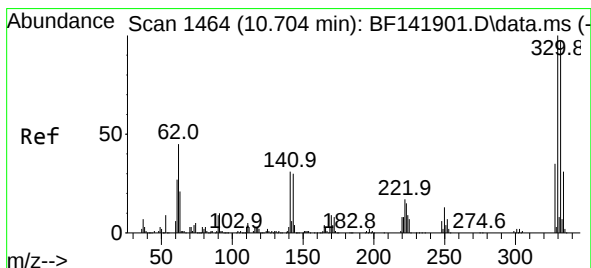
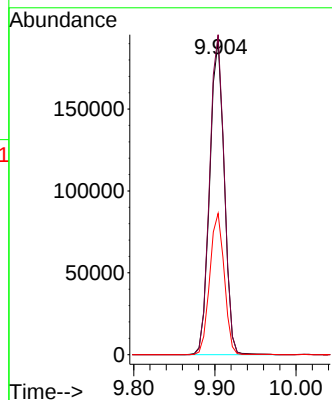
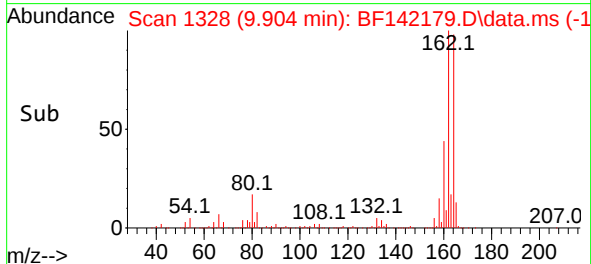


Tgt Ion:164 Resp: 23852
Ion Ratio Lower Upper
164 100
162 101.9 81.8 122.6
160 45.0 36.7 55.1

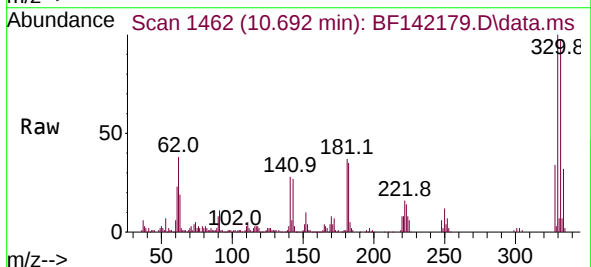
Manual Integrations

APPROVED

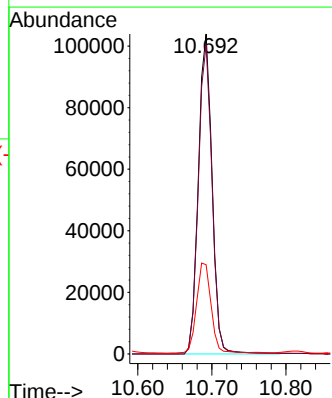
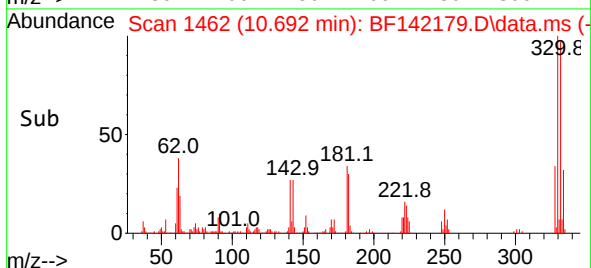
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

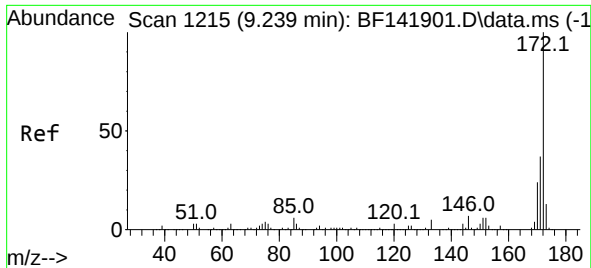


#42
2,4,6-Tribromophenol
Concen: 44.199 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29



Tgt Ion:330 Resp: 133744
Ion Ratio Lower Upper
330 100
332 96.8 77.6 116.4
141 29.6 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 45.455 ng

RT: 9.222 min Scan# 11

Delta R.T. -0.018 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

Tgt Ion:172 Resp: 712905

Ion Ratio Lower Upper

172 100

171 35.5 29.3 43.9

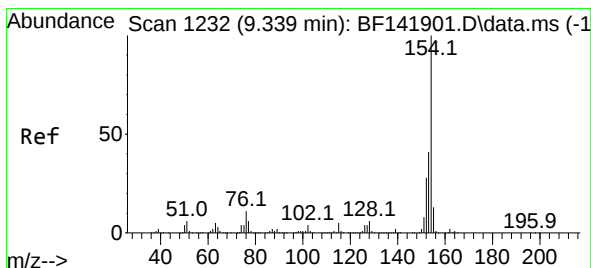
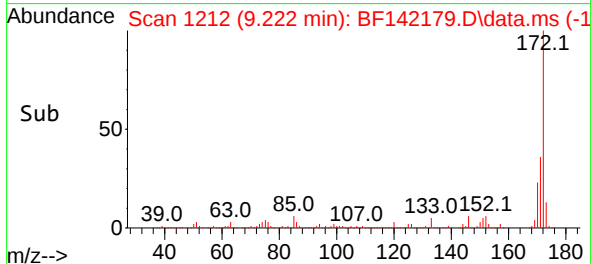
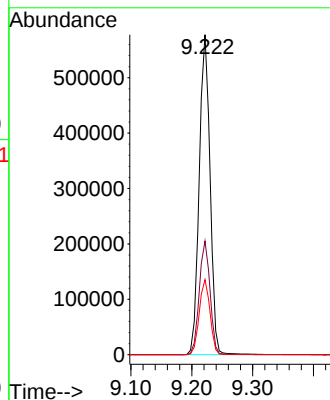
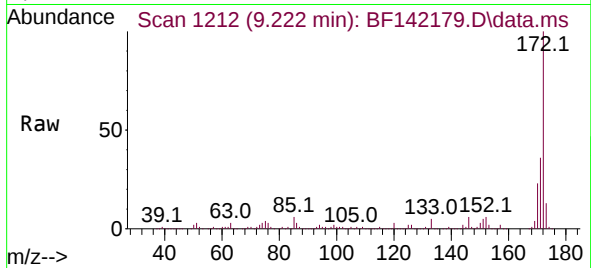
170 23.5 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#46

1,1'-Biphenyl

Concen: 2.894 ng

RT: 9.322 min Scan# 1229

Delta R.T. -0.018 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

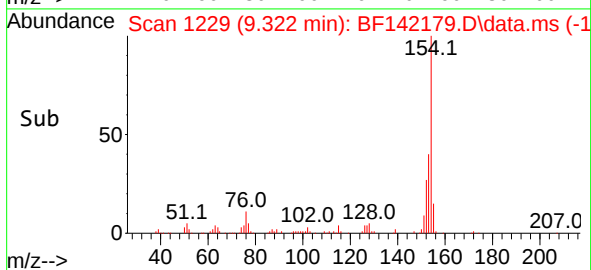
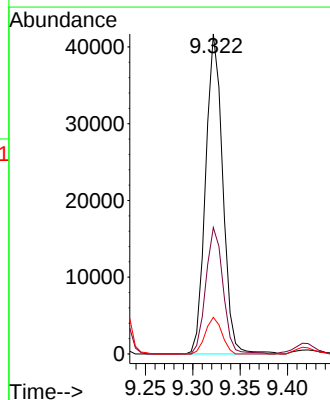
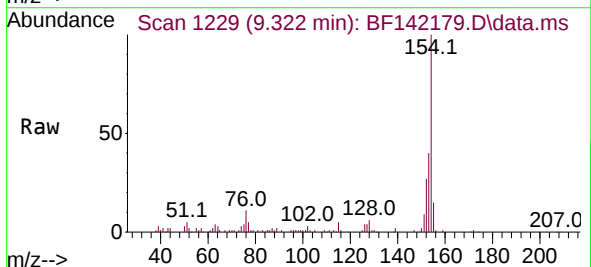
Tgt Ion:154 Resp: 52445

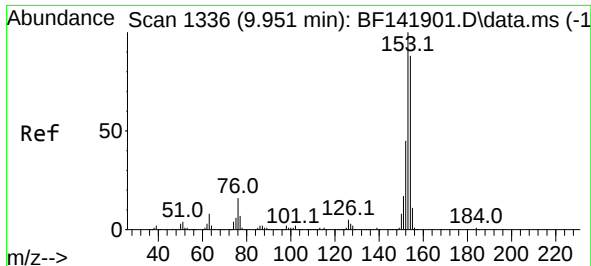
Ion Ratio Lower Upper

154 100

153 39.5 21.1 61.1

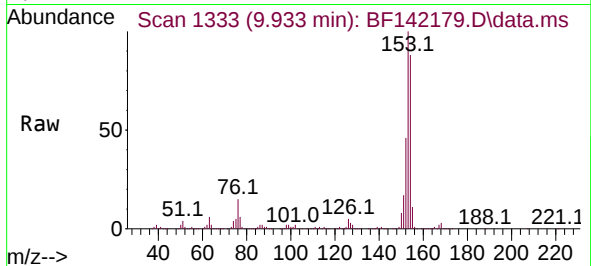
76 11.5 0.0 31.3





#52
Acenaphthene
Concen: 13.755 ng
RT: 9.933 min Scan# 1336
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

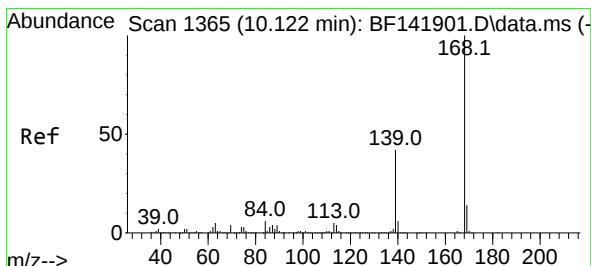
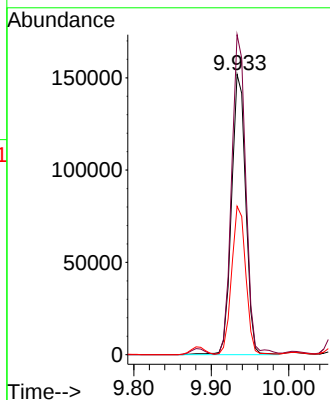
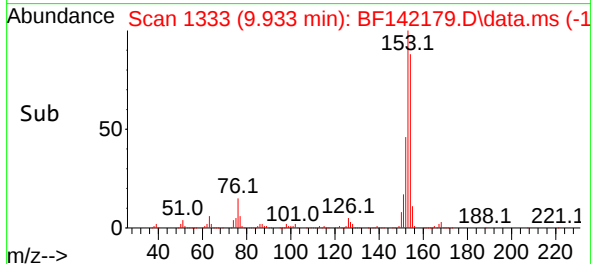
Instrument :
BNA_F
ClientSampleId :
72-11998DL



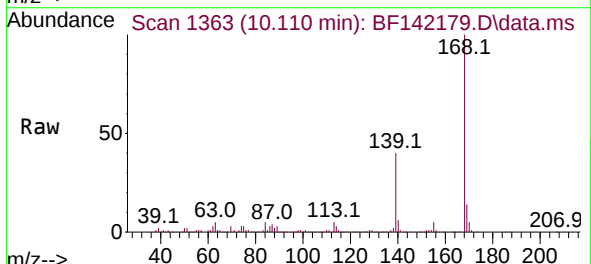
Tgt Ion:154 Resp: 19376
Ion Ratio Lower Upper
154 100
153 114.2 90.7 136.1
152 53.0 41.1 61.7

Manual Integrations
APPROVED

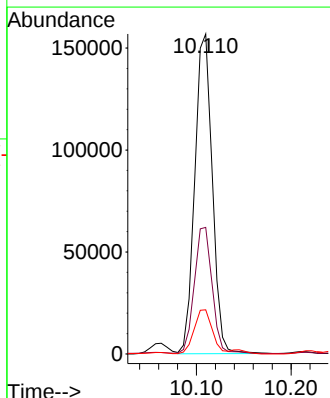
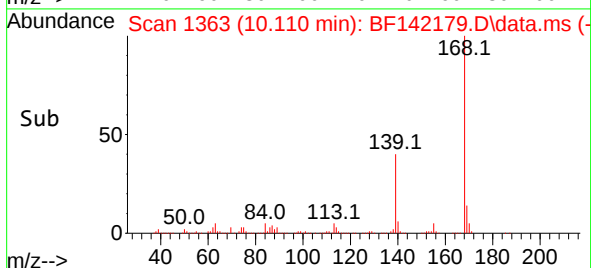
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

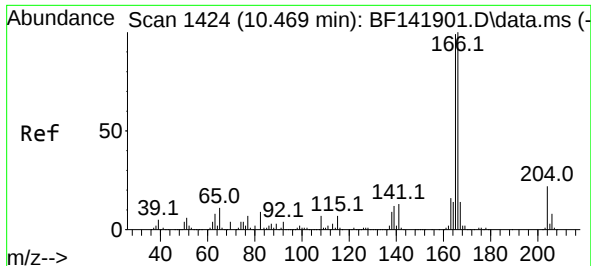


#55
Dibenzofuran
Concen: 10.028 ng
RT: 10.110 min Scan# 1363
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29



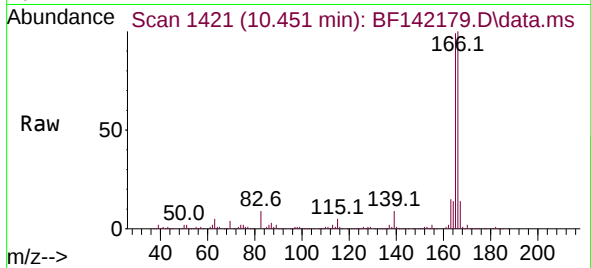
Tgt Ion:168 Resp: 201854
Ion Ratio Lower Upper
168 100
139 39.6 33.9 50.9
169 13.8 11.0 16.4





#58
Fluorene
Concen: 13.602 ng
RT: 10.451 min Scan# 1421
Delta R.T. -0.018 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

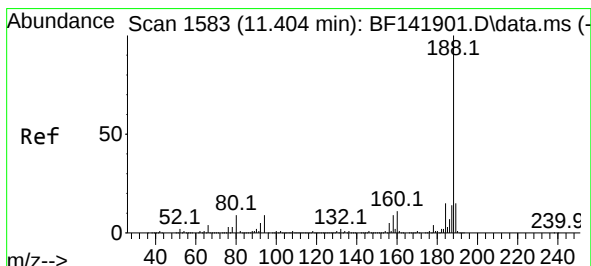
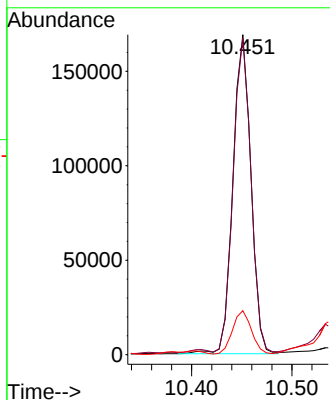
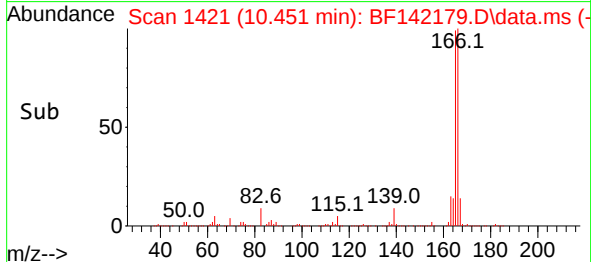
Instrument :
BNA_F
ClientSampleId :
72-11998DL



Tgt Ion:166 Resp: 21114
Ion Ratio Lower Upper
166 100
165 99.0 79.0 118.4
167 13.7 11.0 16.4

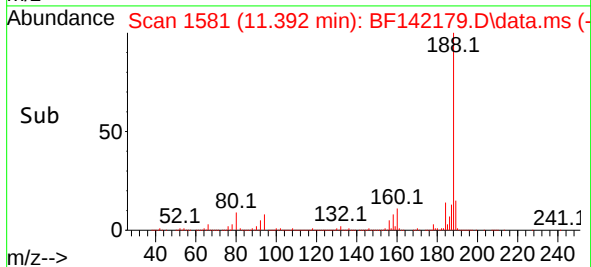
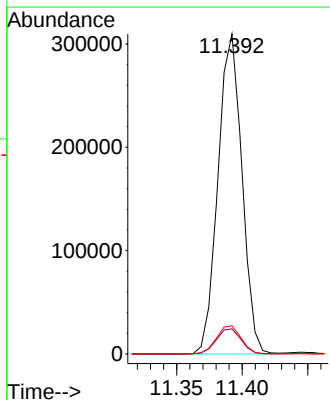
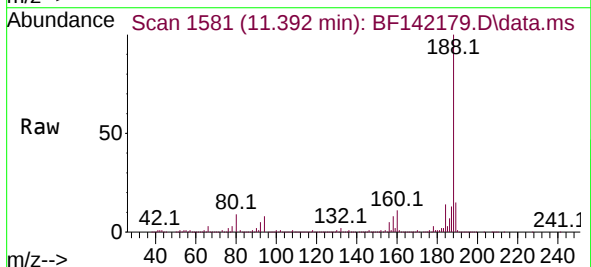
Manual Integrations
APPROVED

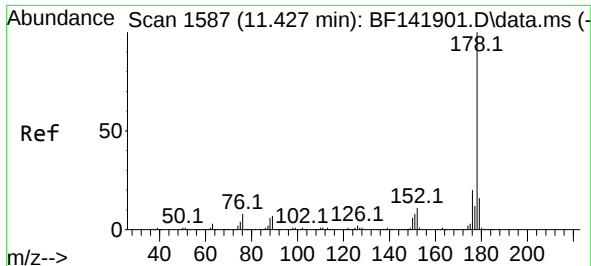
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

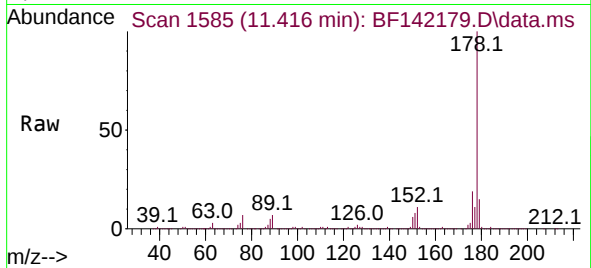
Tgt Ion:188 Resp: 393426
Ion Ratio Lower Upper
188 100
94 7.9 6.8 10.2
80 8.8 7.6 11.4





#71
Phenanthrene
Concen: 42.312 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

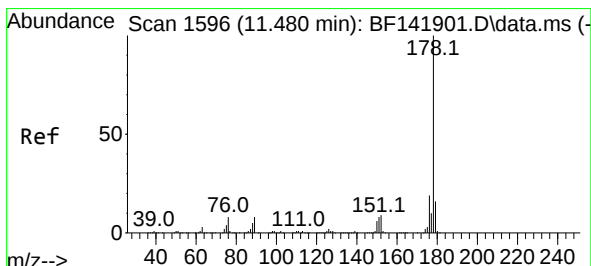
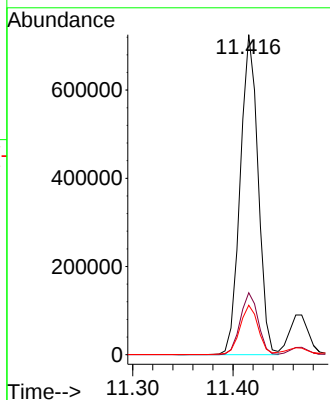
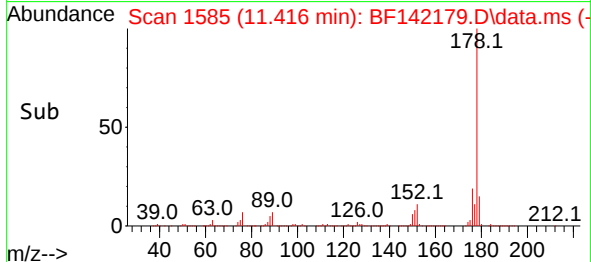
Instrument :
BNA_F
ClientSampleId :
72-11998DL



Tgt Ion:178 Resp: 89914
Ion Ratio Lower Upper
178 100
176 19.4 15.8 23.8
179 15.5 12.6 19.0

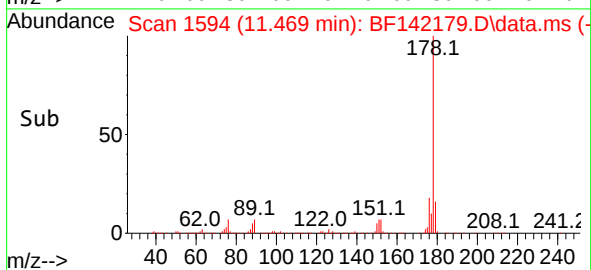
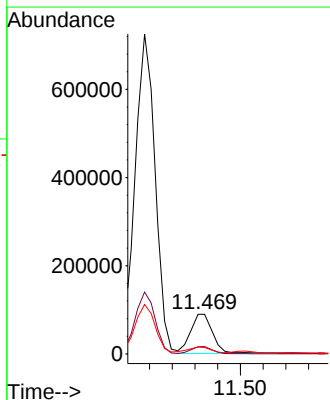
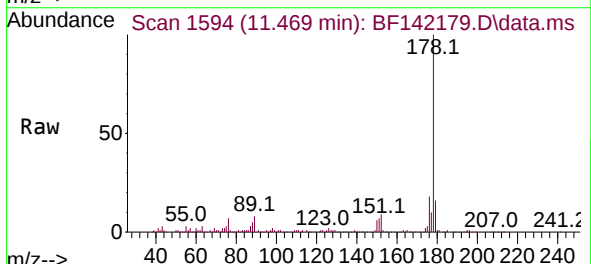
Manual Integrations
APPROVED

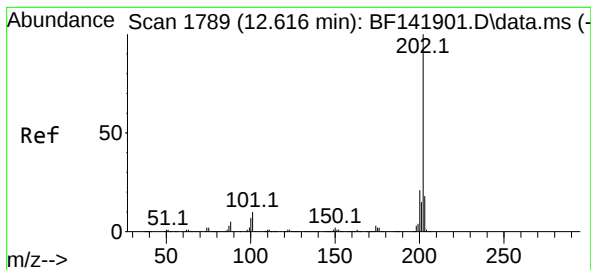
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#72
Anthracene
Concen: 5.625 ng
RT: 11.469 min Scan# 1594
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

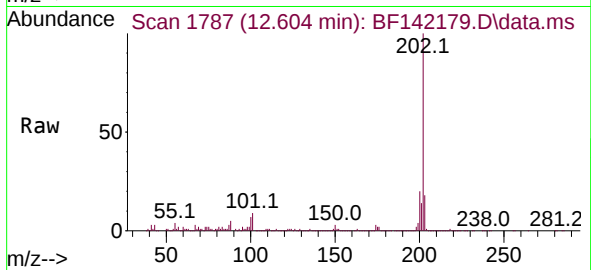
Tgt Ion:178 Resp: 119918
Ion Ratio Lower Upper
178 100
176 18.4 15.1 22.7
179 16.4 12.6 19.0





#75
Fluoranthene
Concen: 19.875 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

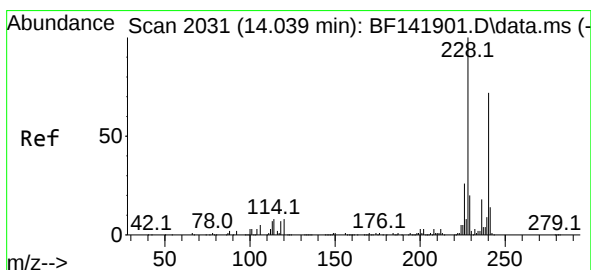
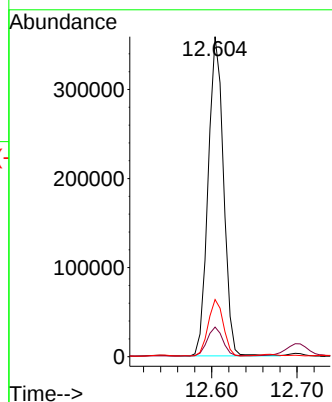
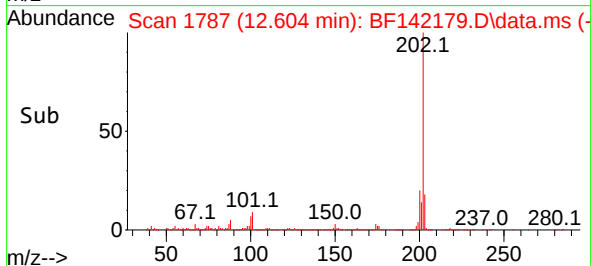
Instrument :
BNA_F
ClientSampleId :
72-11998DL



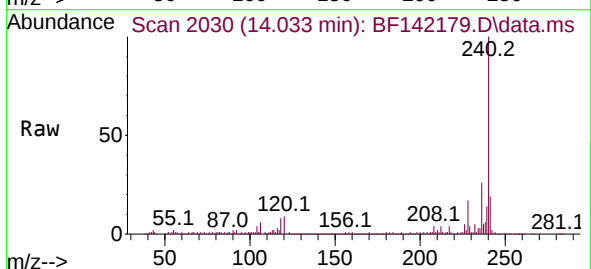
Tgt Ion:202 Resp: 44802
Ion Ratio Lower Upper
202 100
101 9.3 0.0 29.7
203 17.8 0.0 37.8

Manual Integrations
APPROVED

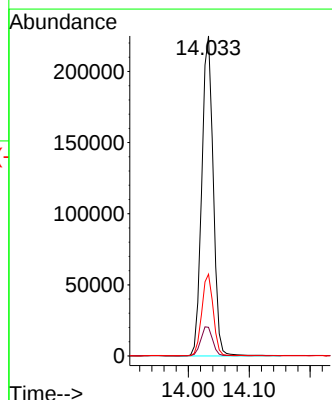
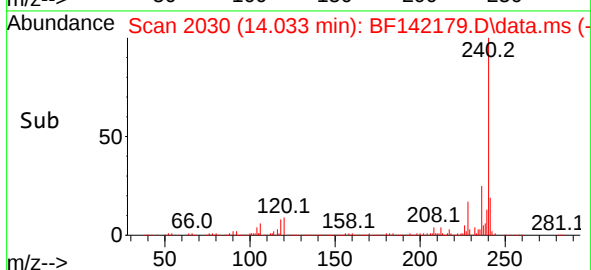
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

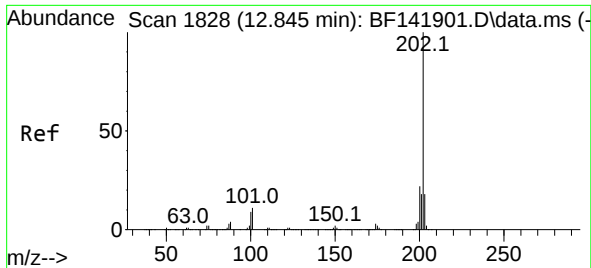


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2030
Delta R.T. -0.006 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29



Tgt Ion:240 Resp: 294471
Ion Ratio Lower Upper
240 100
120 9.0 8.4 12.6
236 25.5 20.5 30.7





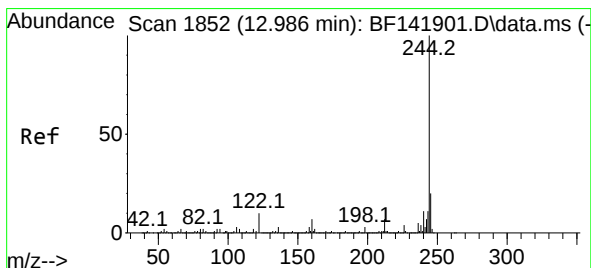
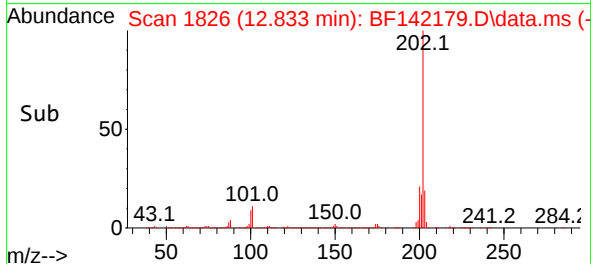
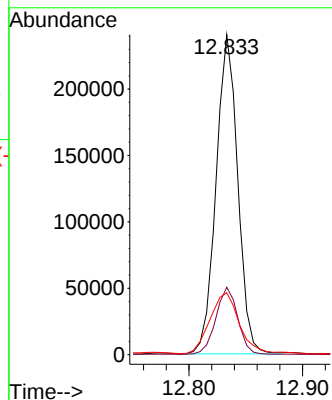
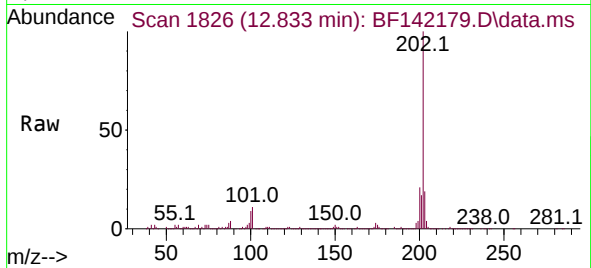
#78
Pyrene
Concen: 12.524 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Instrument :
BNA_F
ClientSampleId :
72-11998DL

Tgt Ion:202 Resp: 319010
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 19.3 14.4 21.6

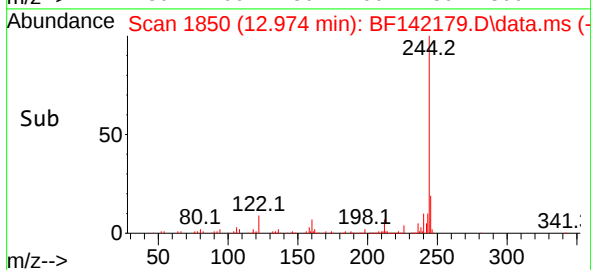
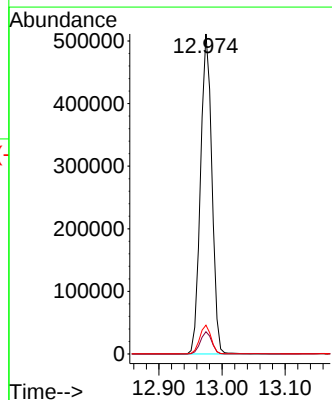
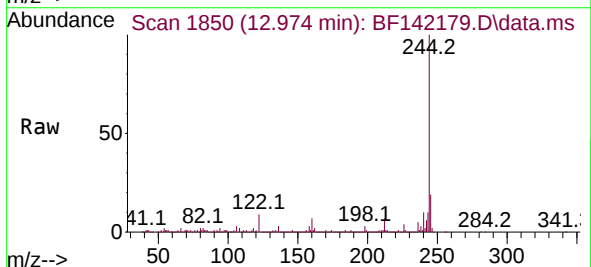
Manual Integrations
APPROVED

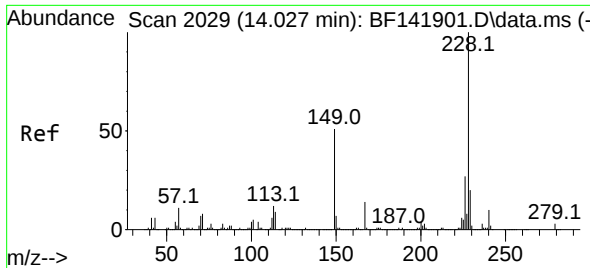
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#79
Terphenyl-d14
Concen: 32.118 ng
RT: 12.974 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:244 Resp: 639710
Ion Ratio Lower Upper
244 100
212 6.9 6.0 9.0
122 9.0 7.7 11.5





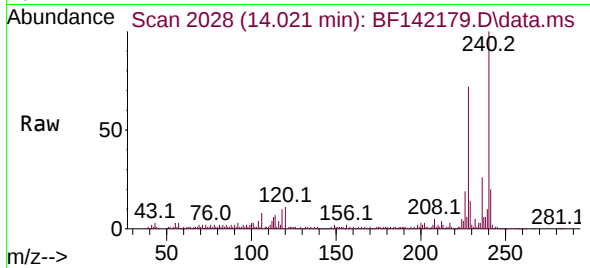
#81
Benzo(a)anthracene
Concen: 5.982 ng
RT: 14.021 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

72-11998DL

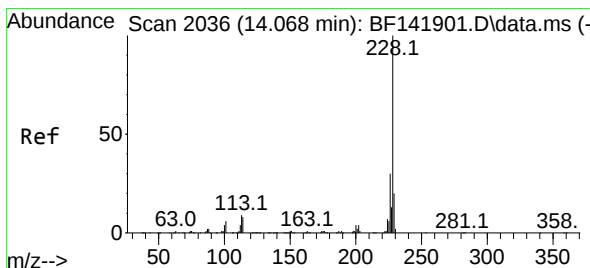
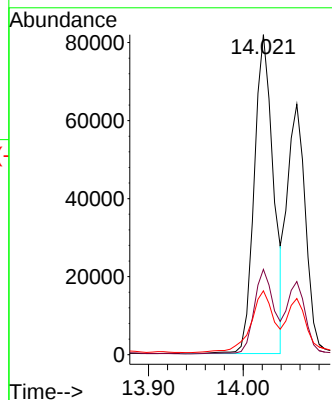
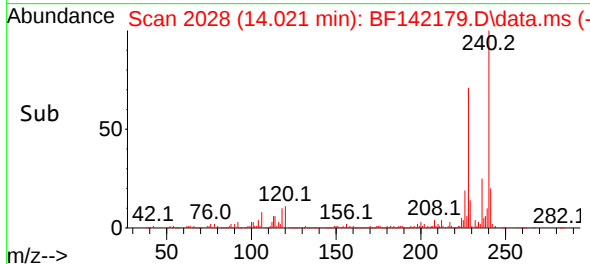


Tgt Ion:228 Resp: 115598
Ion Ratio Lower Upper
228 100
226 26.6 21.8 32.8
229 20.0 16.0 24.0

Manual Integrations

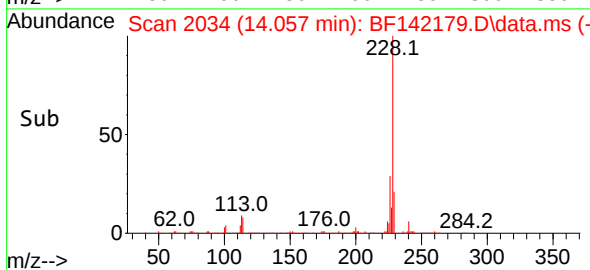
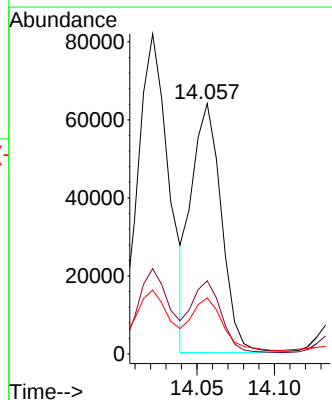
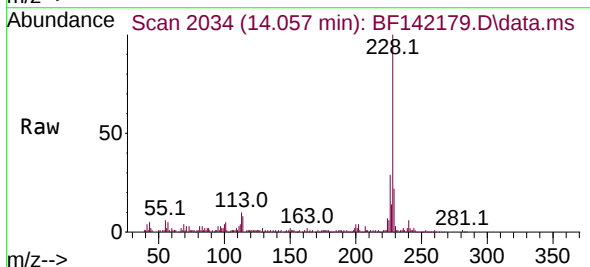
APPROVED

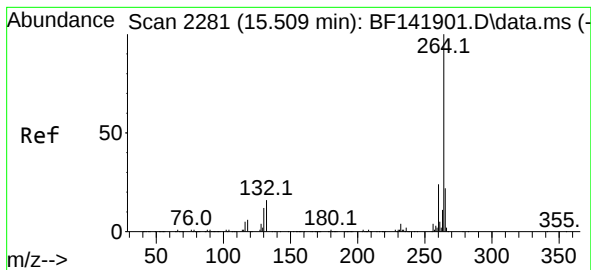
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#83
Chrysene
Concen: 4.884 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

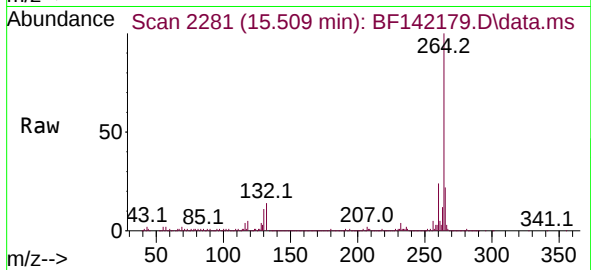
Tgt Ion:228 Resp: 85550
Ion Ratio Lower Upper
228 100
226 29.2 24.1 36.1
229 22.4 15.7 23.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

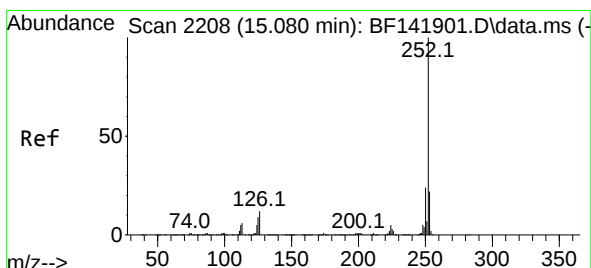
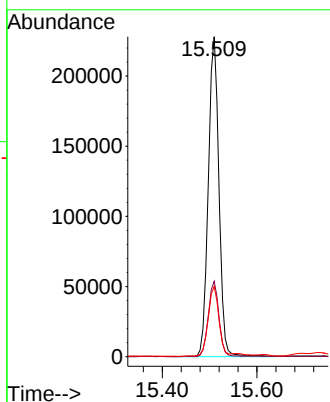
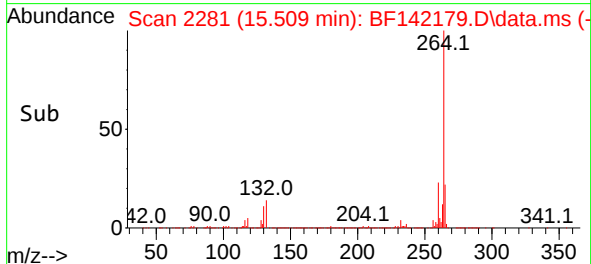
Instrument :
BNA_F
ClientSampleId :
72-11998DL



Tgt Ion:264 Resp: 356799
Ion Ratio Lower Upper
264 100
260 23.5 19.1 28.7
265 21.9 17.5 26.3

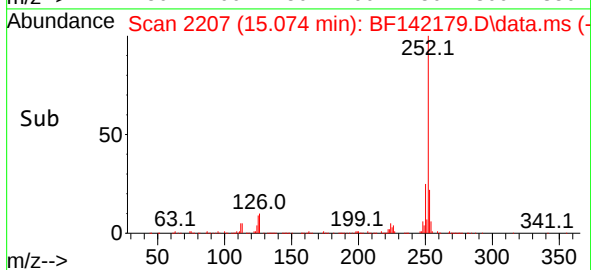
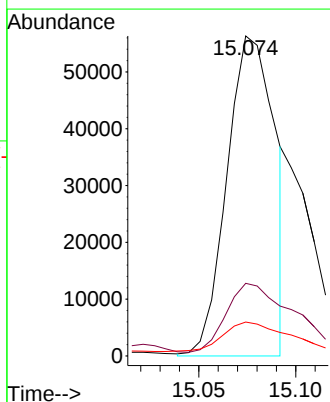
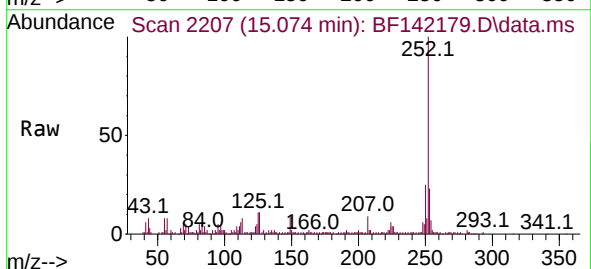
Manual Integrations
APPROVED

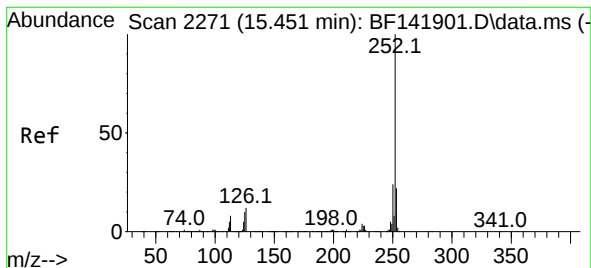
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#88
Benzo(b)fluoranthene
Concen: 3.977 ng m
RT: 15.074 min Scan# 2207
Delta R.T. -0.006 min
Lab File: BF142179.D
Acq: 31 Mar 2025 14:29

Tgt Ion:252 Resp: 97252
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.6 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 3.792 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Instrument :

BNA_F

ClientSampleId :

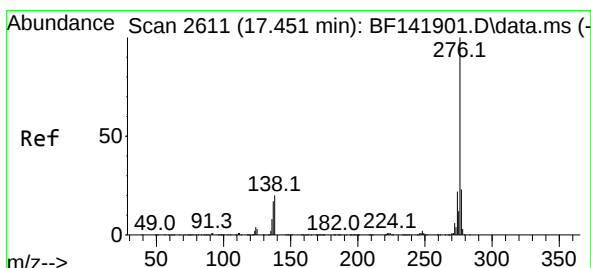
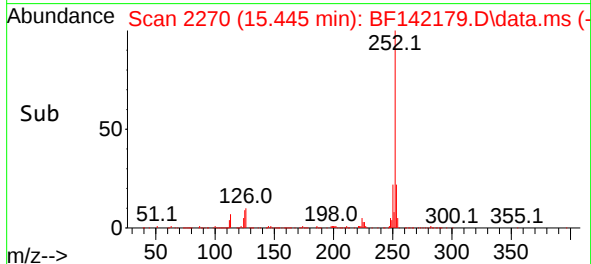
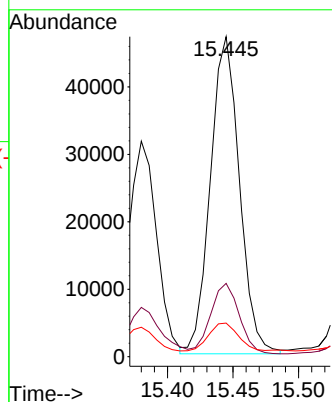
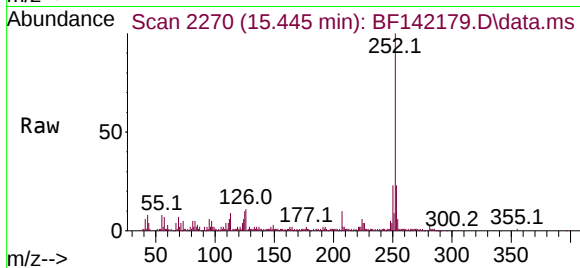
72-11998DL

Tgt Ion:	252	Resp:	7255
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.0
125	10.5	7.8	11.8

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#92

Benzo(g,h,i)perylene

Concen: 2.269 ng

RT: 17.445 min Scan# 2610

Delta R.T. -0.006 min

Lab File: BF142179.D

Acq: 31 Mar 2025 14:29

Tgt Ion:	276	Resp:	42699
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.7	28.1
138	19.3	15.8	23.8

