

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142197.D
 Acq On : 31 Mar 2025 23:25
 Operator : RC/JU
 Sample : Q1674-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11991

Manual Integrations
 APPROVED

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

Quant Time: Apr 01 00:50:19 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	100495	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	360838	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	172508	20.000	ng	-0.01
64) Phenanthrene-d10	11.386	188	244726	20.000	ng	-0.02
76) Chrysene-d12	14.033	240	268434	20.000	ng	0.00
86) Perylene-d12	15.509	264	288019	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	580198	96.356	ng	-0.01
7) Phenol-d6	6.487	99	696973	90.910	ng	-0.02
23) Nitrobenzene-d5	7.428	82	450291	70.227	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	187261	85.566	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	848490	74.802	ng	-0.02
79) Terphenyl-d14	12.974	244	782576	43.102	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.416	178	158323	11.977	ng	98
72) Anthracene	11.463	178	28468	2.147	ng	97
75) Fluoranthene	12.604	202	411017	29.313	ng	99
78) Pyrene	12.833	202	380664	16.394	ng	99
81) Benzo(a)anthracene	14.021	228	222864	12.652	ng	97
83) Chrysene	14.057	228	218023	13.654	ng	98
87) Indeno(1,2,3-cd)pyrene	16.992	276	100541m	5.396	ng	
88) Benzo(b)fluoranthene	15.074	252	323315m	16.379	ng	
89) Benzo(k)fluoranthene	15.092	252	108956m	6.450	ng	
90) Benzo(a)pyrene	15.445	252	200613	12.988	ng	99
92) Benzo(g,h,i)perylene	17.439	276	89881	5.917	ng	98

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

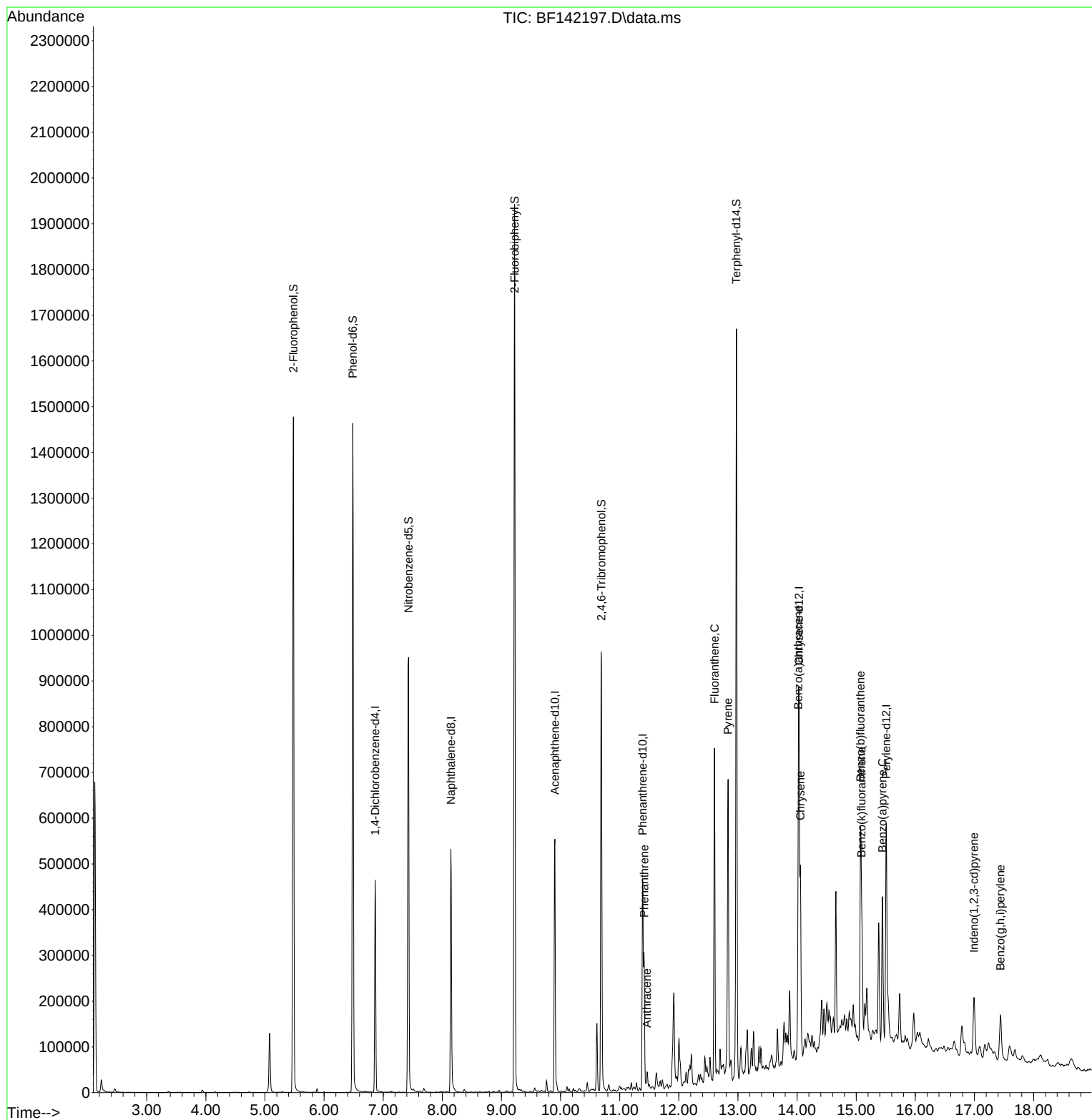
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Data File : BF142197.D
Acq On : 31 Mar 2025 23:25
Operator : RC/JU
Sample : Q1674-03
Misc :
ALS Vial : 24 Sample Multiplier: 1

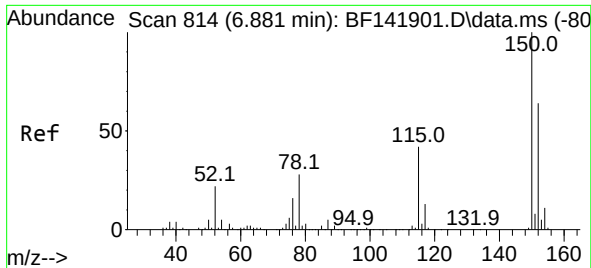
Instrument :
BNA_F
ClientSampleId :
72-11991

Quant Time: Apr 01 00:50:19 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
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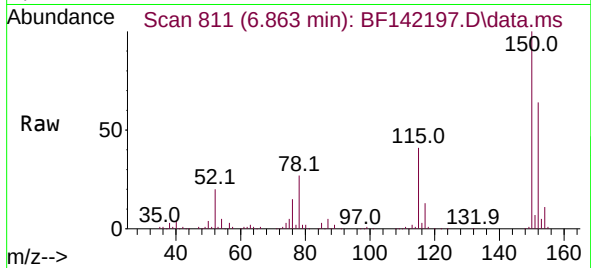
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25

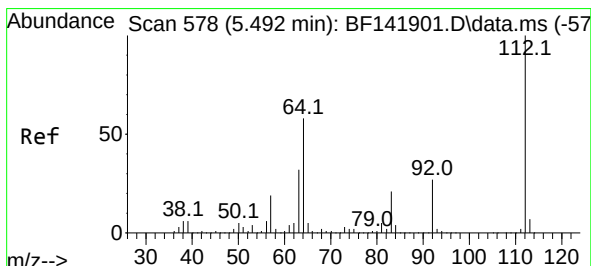
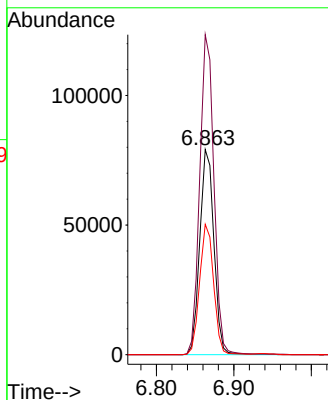
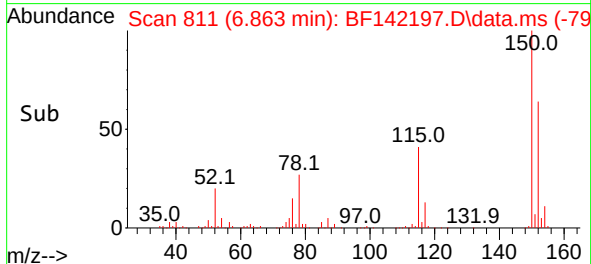
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion:152 Resp: 100498
Ion Ratio Lower Upper
152 100
150 156.0 127.4 191.2
115 63.6 51.9 77.9

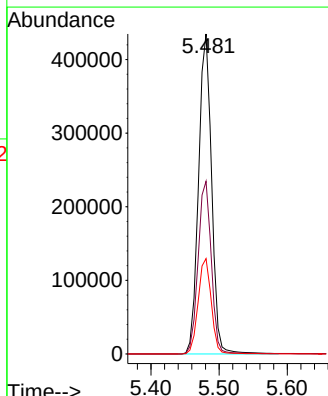
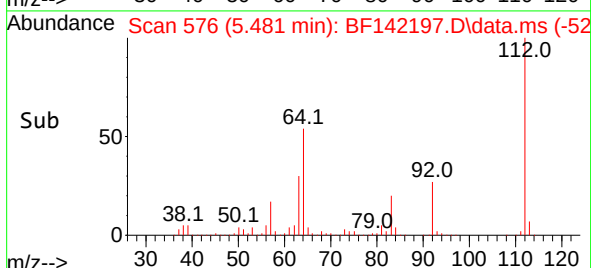
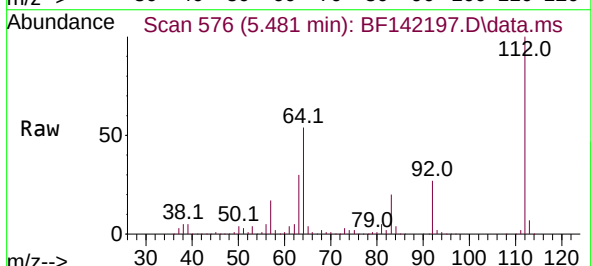
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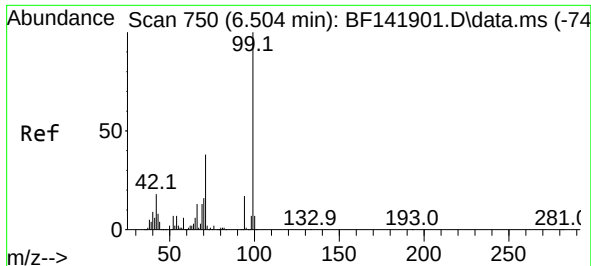
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 96.356 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25

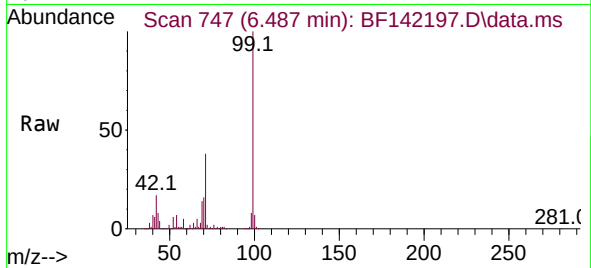
Tgt Ion:112 Resp: 580198
Ion Ratio Lower Upper
112 100
64 54.0 46.5 69.7
63 29.8 25.4 38.2





#7
Phenol-d6
Concen: 90.910 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25

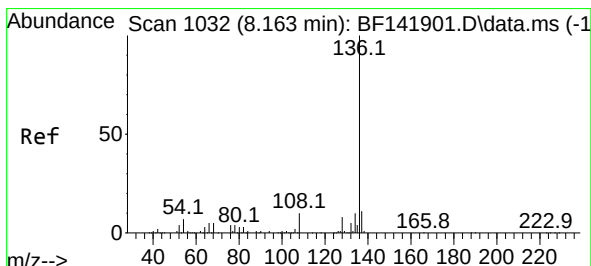
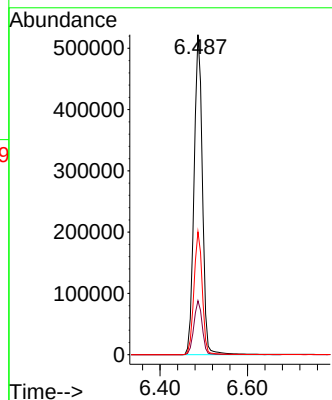
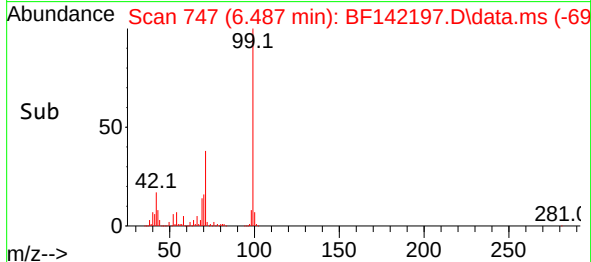
Instrument :
BNA_F
ClientSampleId :
72-11991



Tgt Ion: 99 Resp: 69697
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.4 30.8 46.2

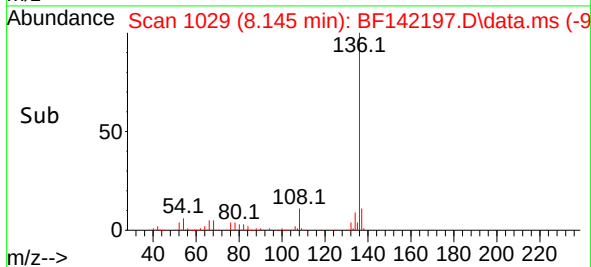
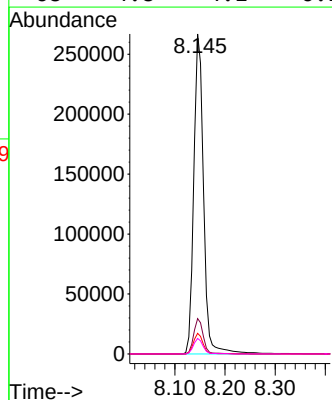
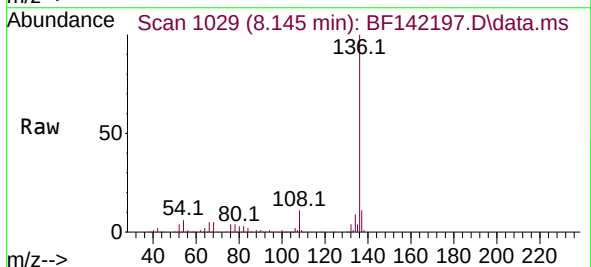
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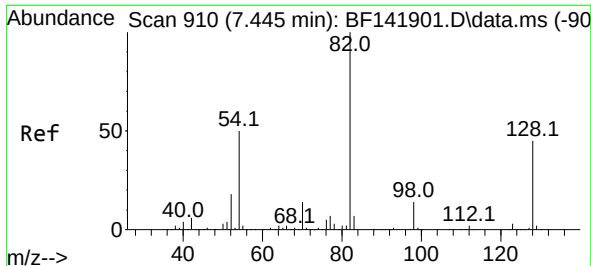
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25

Tgt Ion:136 Resp: 360838
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.4 5.8 8.8
68 4.8 4.1 6.1





#23

Nitrobenzene-d5

Concen: 70.227 ng

RT: 7.428 min Scan# 90

Delta R.T. -0.018 min

Lab File: BF142197.D

Acq: 31 Mar 2025 23:25

Instrument :

BNA_F

ClientSampleId :

72-11991

Tgt Ion: 82 Resp: 45029

Ion Ratio Lower Upper

82 100

128 46.8 36.0 54.0

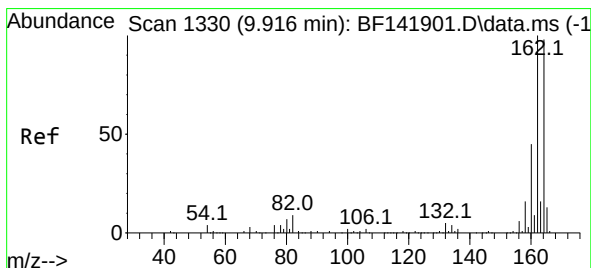
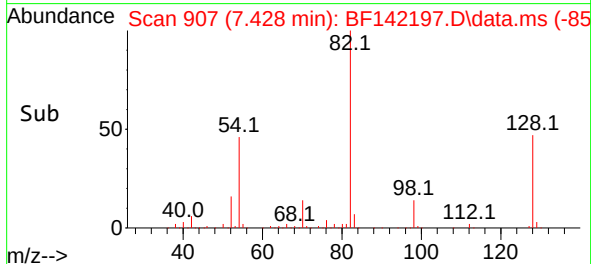
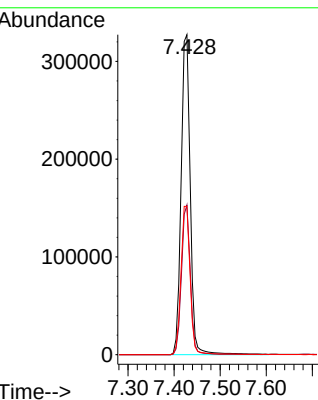
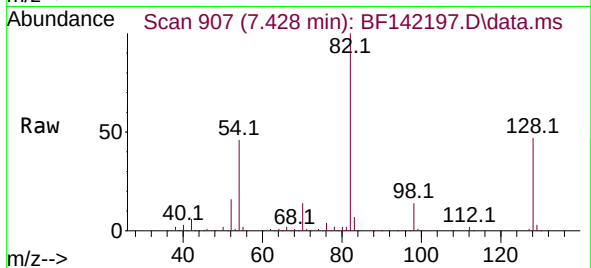
54 46.4 39.6 59.4

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Supervised By :Jagrut Upadhyay 04/01/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.904 min Scan# 1328

Delta R.T. -0.012 min

Lab File: BF142197.D

Acq: 31 Mar 2025 23:25

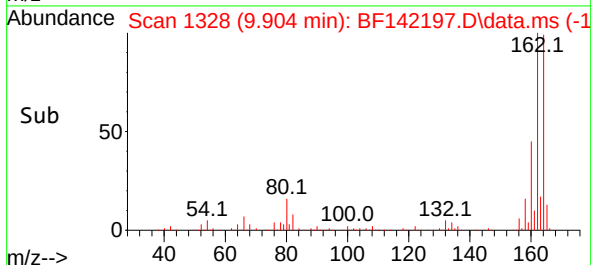
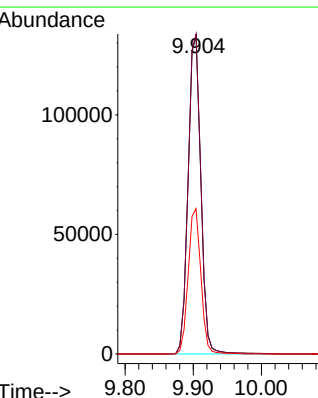
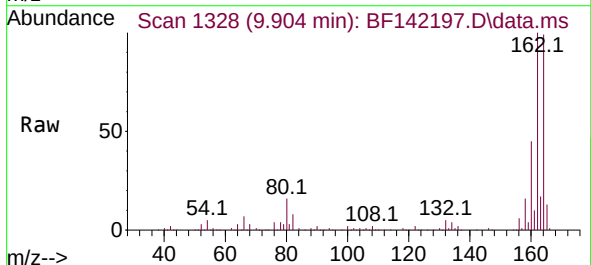
Tgt Ion:164 Resp: 172508

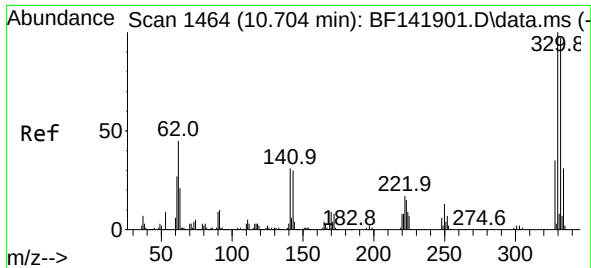
Ion Ratio Lower Upper

164 100

162 100.6 81.8 122.6

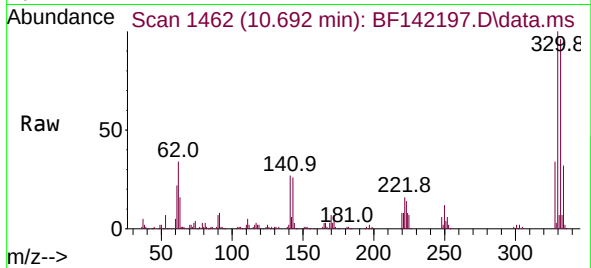
160 45.7 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 85.566 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25

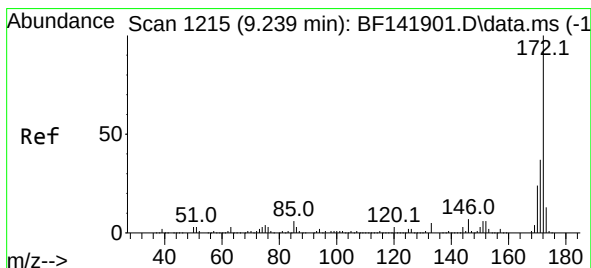
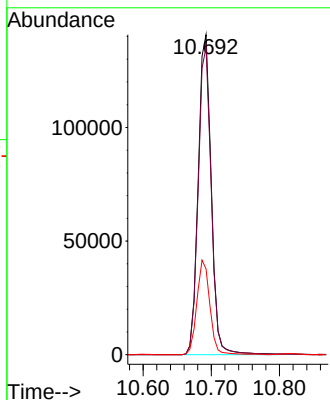
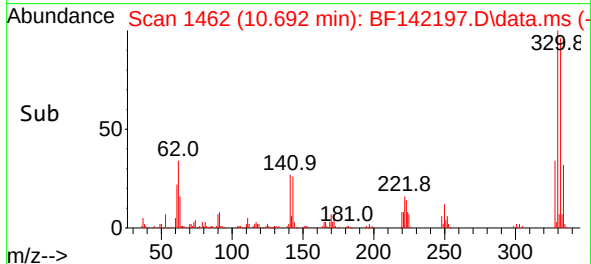
Instrument :
BNA_F
ClientSampleId :
72-11991



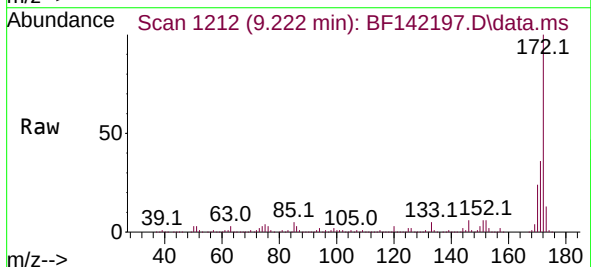
Tgt Ion:330 Resp: 18726
Ion Ratio Lower Upper
330 100
332 96.6 77.6 116.4
141 29.6 24.7 37.1

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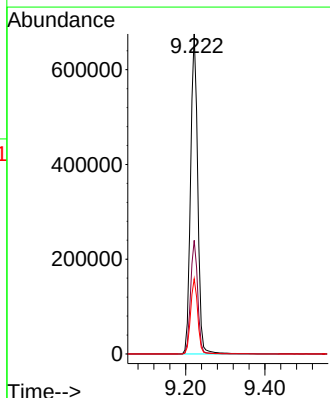
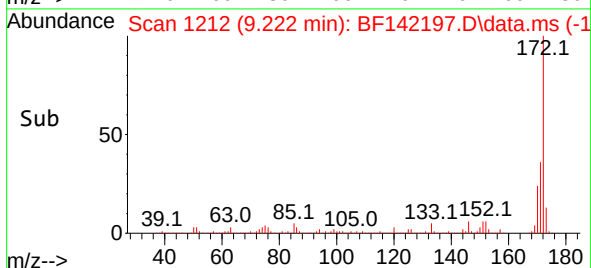
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

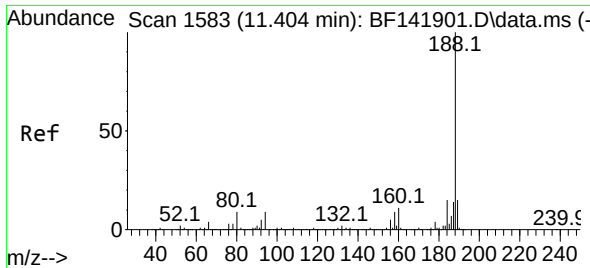


#45
2-Fluorobiphenyl
Concen: 74.802 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25



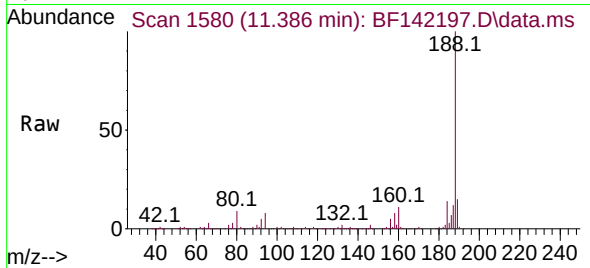
Tgt Ion:172 Resp: 848490
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.5 19.4 29.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.386 min Scan# 1580
Delta R.T. -0.018 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25

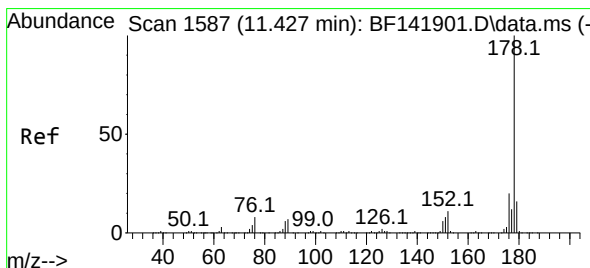
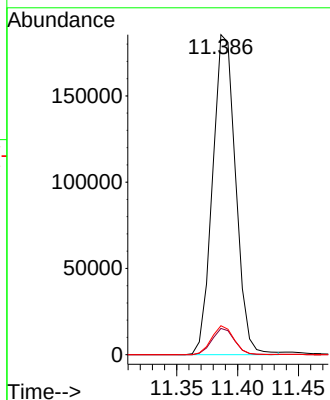
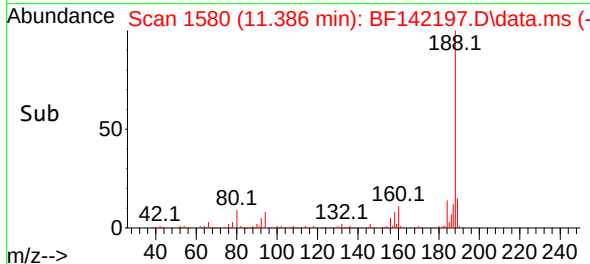
Instrument :
BNA_F
ClientSampleId :
72-11991



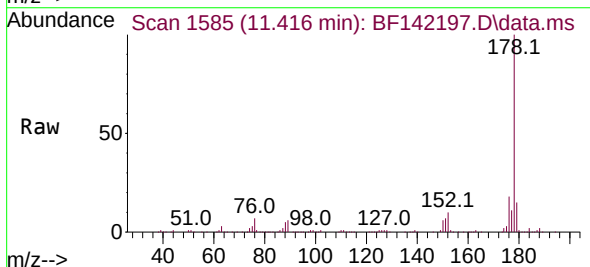
Tgt Ion:188 Resp: 244720
Ion Ratio Lower Upper
188 100
94 8.2 6.8 10.2
80 9.0 7.6 11.4

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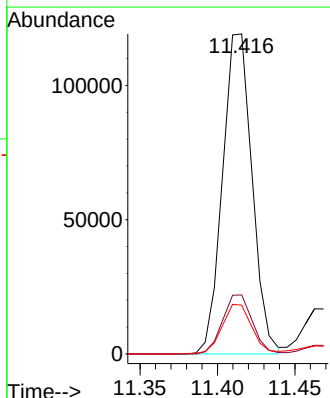
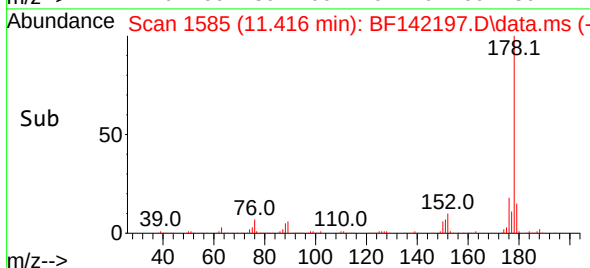
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025

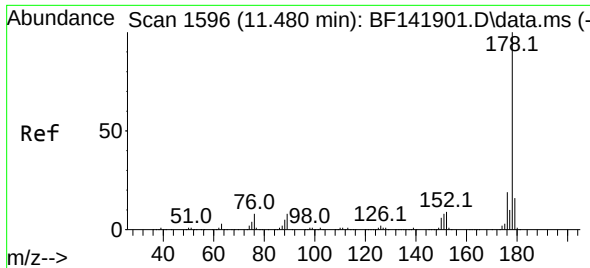


#71
Phenanthrene
Concen: 11.977 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.012 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25



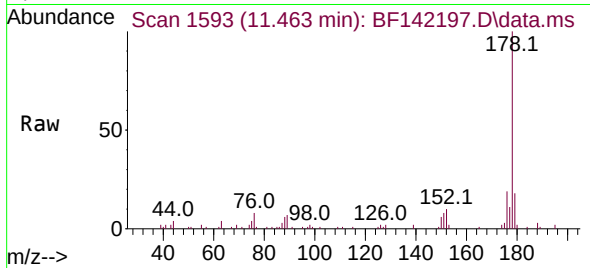
Tgt Ion:178 Resp: 158323
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.2 12.6 19.0





#72
 Anthracene
 Concen: 2.147 ng
 RT: 11.463 min Scan# 1596
 Delta R.T. -0.018 min
 Lab File: BF142197.D
 Acq: 31 Mar 2025 23:25

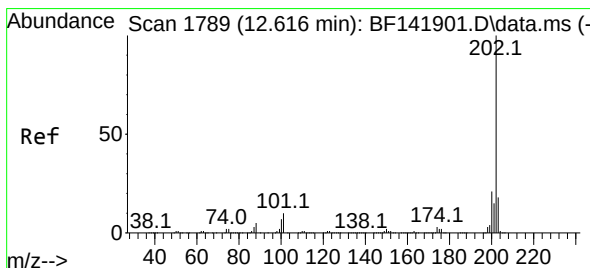
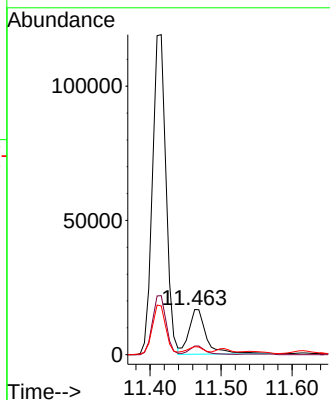
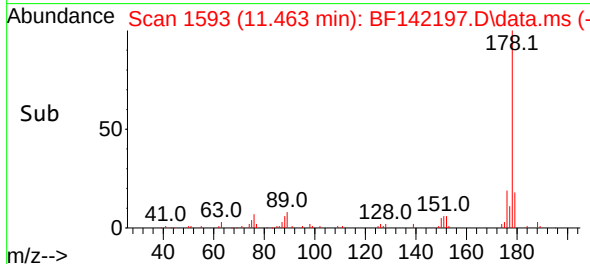
Instrument :
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 72-11991



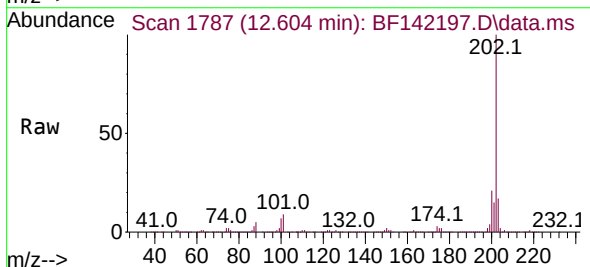
Tgt Ion:178 Resp: 28468
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.1 22.7
 179 17.8 12.6 19.0

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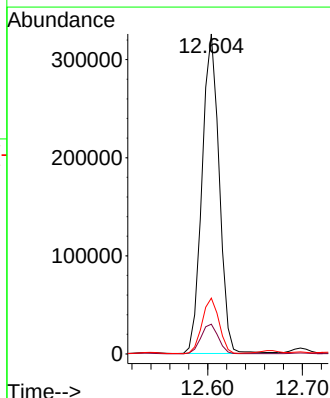
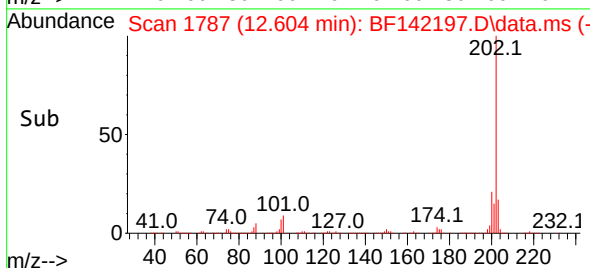
Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

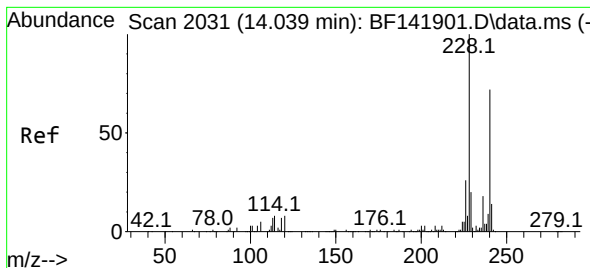


#75
 Fluoranthene
 Concen: 29.313 ng
 RT: 12.604 min Scan# 1787
 Delta R.T. -0.012 min
 Lab File: BF142197.D
 Acq: 31 Mar 2025 23:25



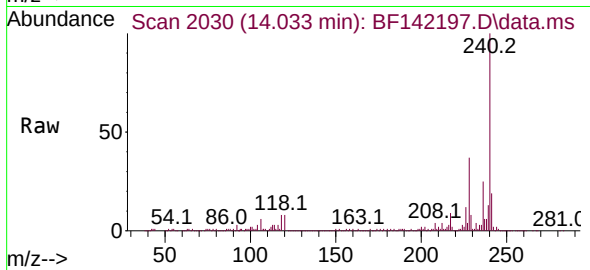
Tgt Ion:202 Resp: 411017
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 29.7
 203 17.4 0.0 37.8





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25

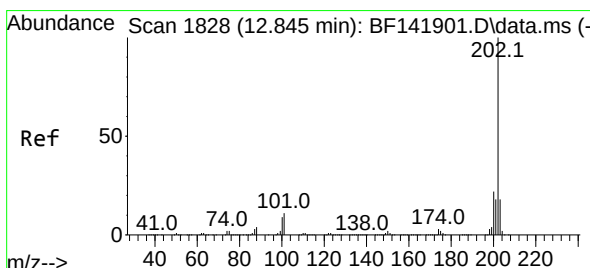
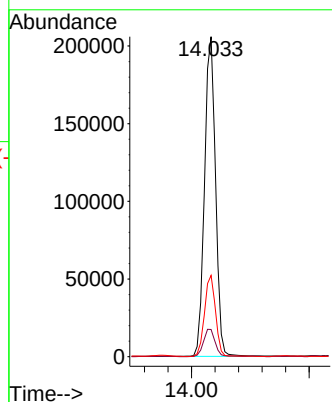
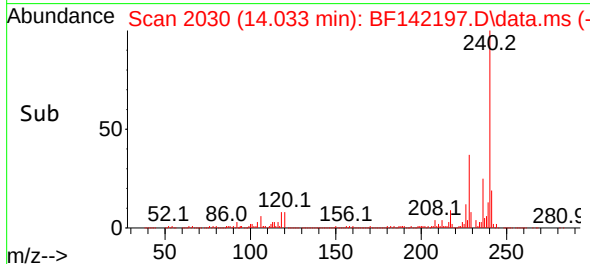
Instrument :
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Tgt Ion:240 Resp: 268434
Ion Ratio Lower Upper
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120 8.5 8.4 12.6
236 25.4 20.5 30.7

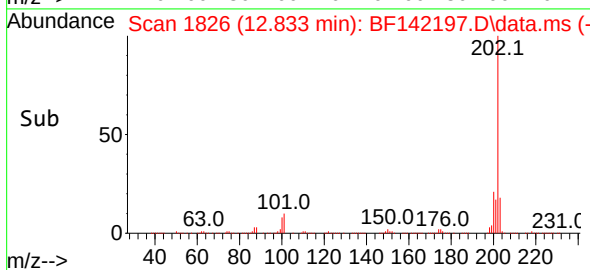
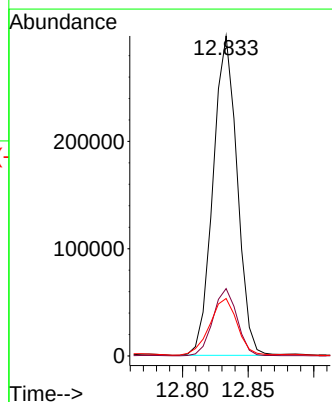
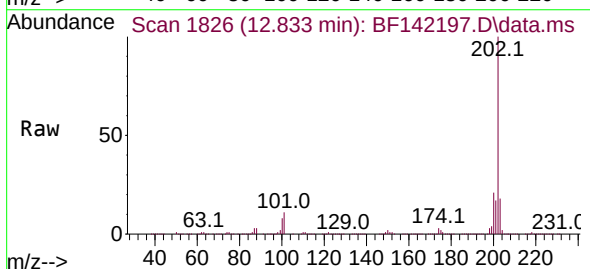
Manual Integrations
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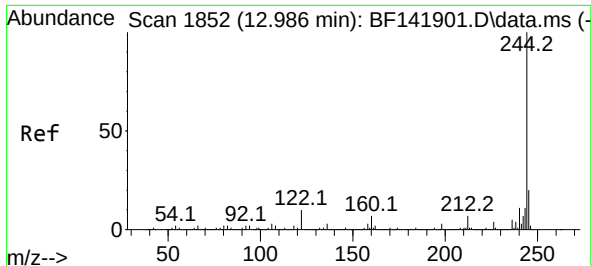
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#78
Pyrene
Concen: 16.394 ng
RT: 12.833 min Scan# 1826
Delta R.T. -0.012 min
Lab File: BF142197.D
Acq: 31 Mar 2025 23:25

Tgt Ion:202 Resp: 380664
Ion Ratio Lower Upper
202 100
200 21.0 17.3 25.9
203 18.0 14.4 21.6





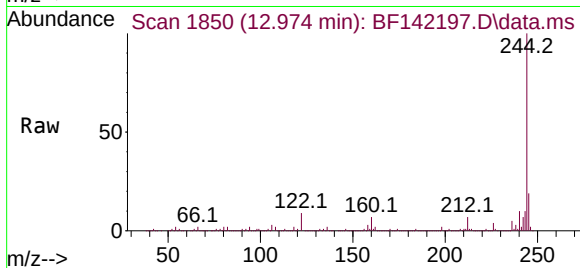
#79
 Terphenyl-d14
 Concen: 43.102 ng
 RT: 12.974 min Scan# 1850
 Delta R.T. -0.012 min
 Lab File: BF142197.D
 Acq: 31 Mar 2025 23:25

Instrument :

BNA_F

ClientSampleId :

72-11991

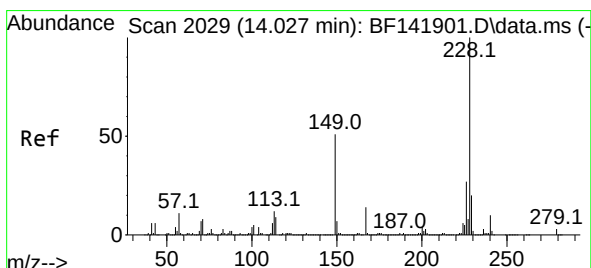
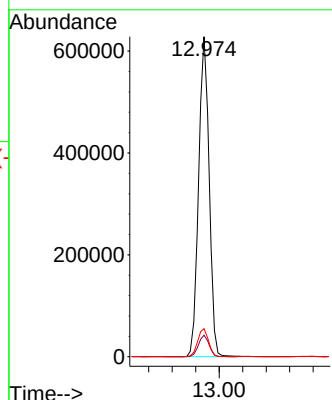
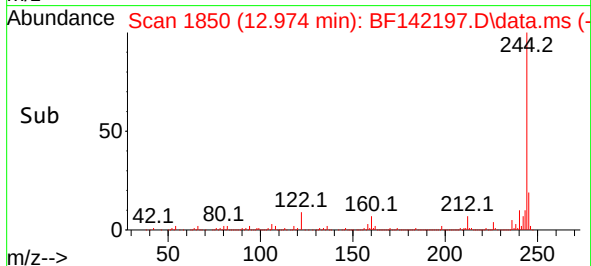


Tgt Ion:244 Resp: 782570
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.0 9.0
 122 8.8 7.7 11.5

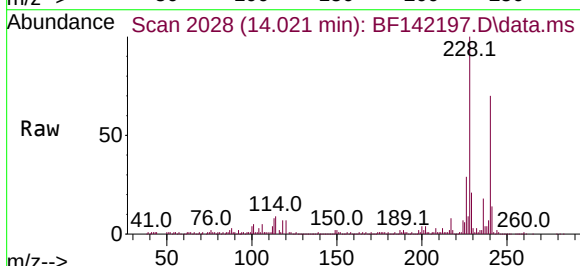
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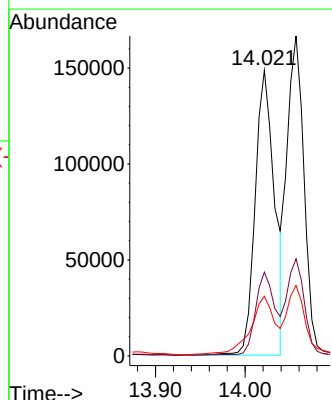
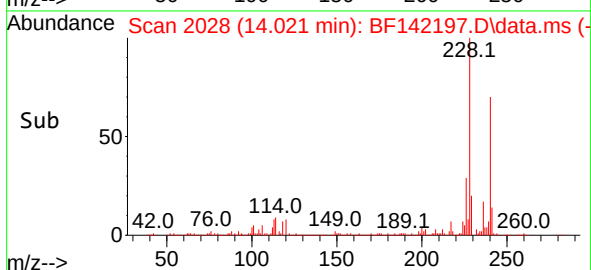
Reviewed By :Anahy Claudio 04/01/2025
 Supervised By :Jagrut Upadhyay 04/01/2025

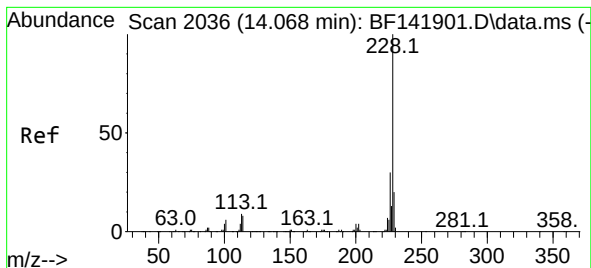


#81
 Benzo(a)anthracene
 Concen: 12.652 ng
 RT: 14.021 min Scan# 2028
 Delta R.T. -0.006 min
 Lab File: BF142197.D
 Acq: 31 Mar 2025 23:25



Tgt Ion:228 Resp: 222864
 Ion Ratio Lower Upper
 228 100
 226 29.3 21.8 32.8
 229 20.9 16.0 24.0





#83

Chrysene

Concen: 13.654 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142197.D

Acq: 31 Mar 2025 23:25

Instrument :

BNA_F

ClientSampleId :

72-11991

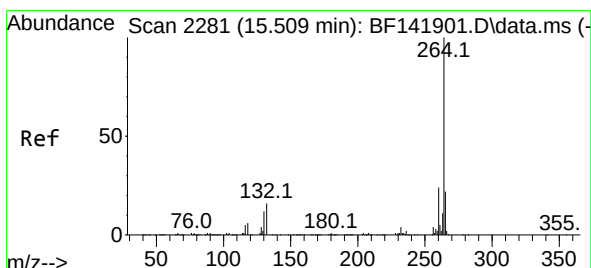
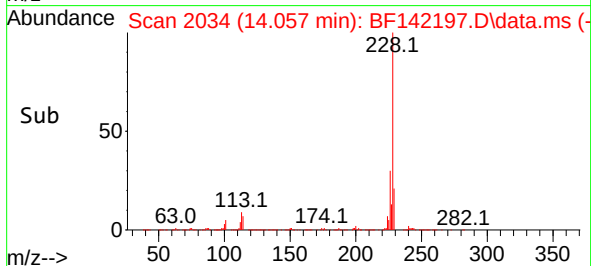
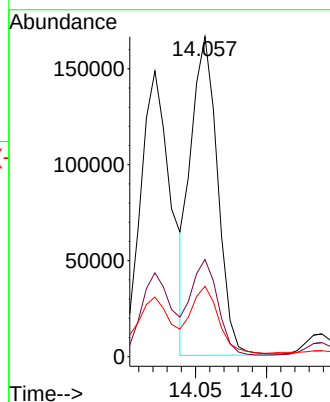
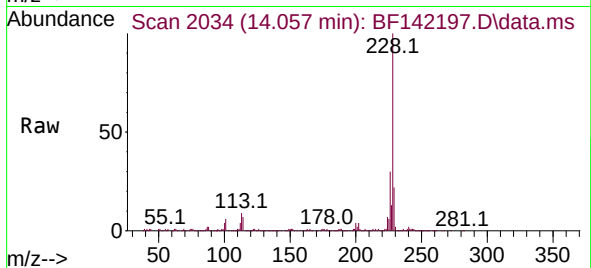
Tgt Ion:	228	Resp:	21802
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.1	36.1
229	22.0	15.7	23.5

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#86

Perylene-d12

Concen: 20.000 ng

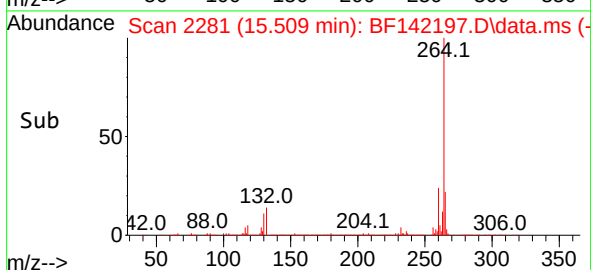
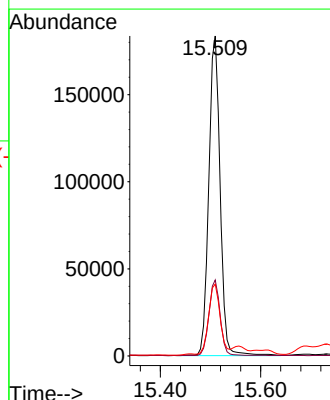
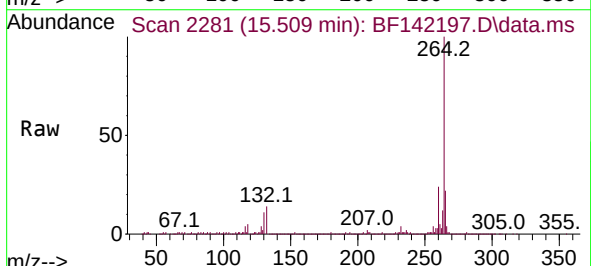
RT: 15.509 min Scan# 2281

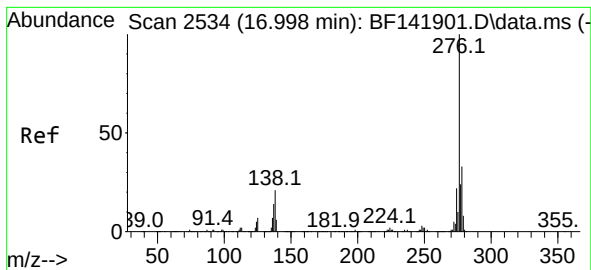
Delta R.T. 0.000 min

Lab File: BF142197.D

Acq: 31 Mar 2025 23:25

Tgt Ion:	264	Resp:	288019
Ion Ratio	Lower	Upper	
264	100		
260	23.7	19.1	28.7
265	22.5	17.5	26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.396 ng m

RT: 16.992 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142197.D

Acq: 31 Mar 2025 23:25

Instrument :

BNA_F

ClientSampleId :

72-11991

Tgt Ion:276 Resp: 10054

Ion Ratio Lower Upper

276 100

138 4.7 18.4 27.6

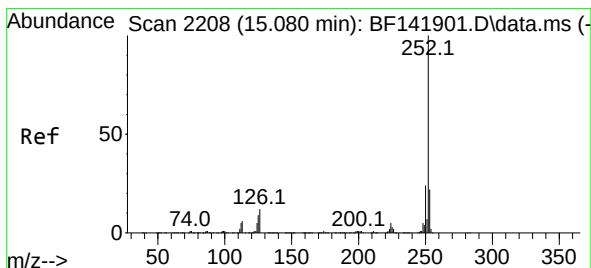
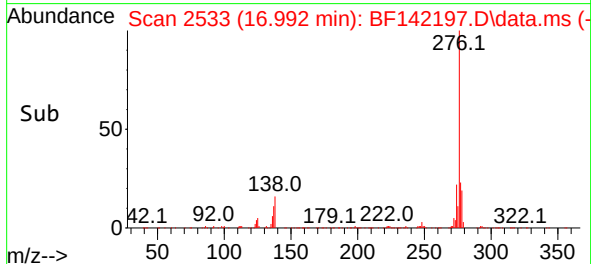
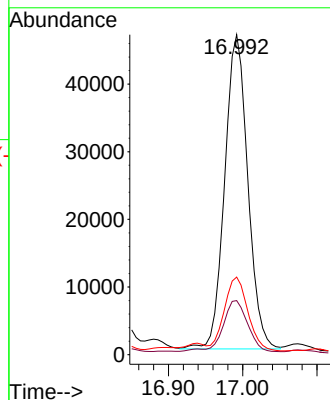
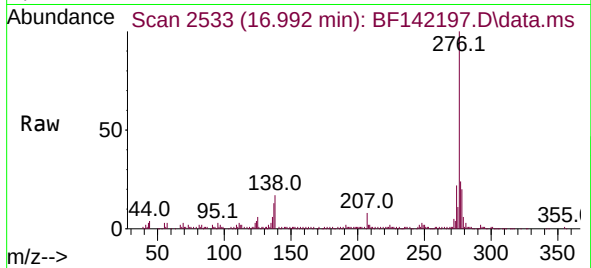
277 4.7 20.3 30.5

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#88

Benzo(b)fluoranthene

Concen: 16.379 ng m

RT: 15.074 min Scan# 2207

Delta R.T. -0.006 min

Lab File: BF142197.D

Acq: 31 Mar 2025 23:25

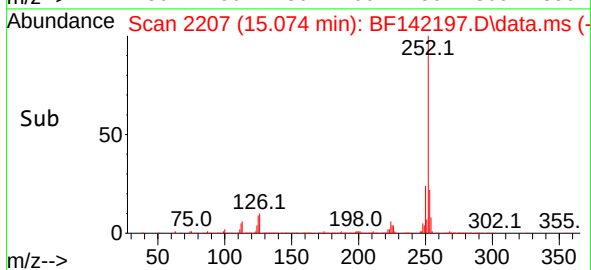
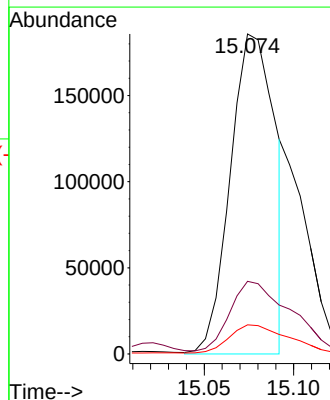
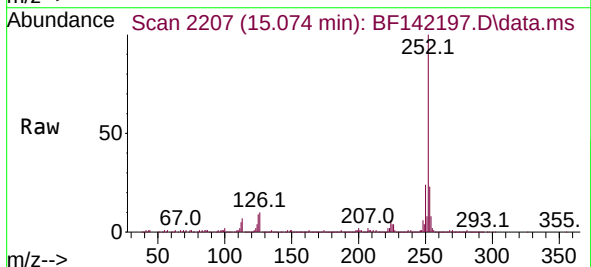
Tgt Ion:252 Resp: 323315

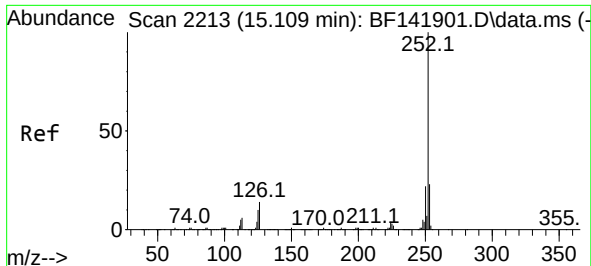
Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

125 9.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 6.450 ng m

RT: 15.092 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF142197.D

Acq: 31 Mar 2025 23:25

Instrument :

BNA_F

ClientSampleId :

72-11991

Tgt Ion:252 Resp: 108950

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

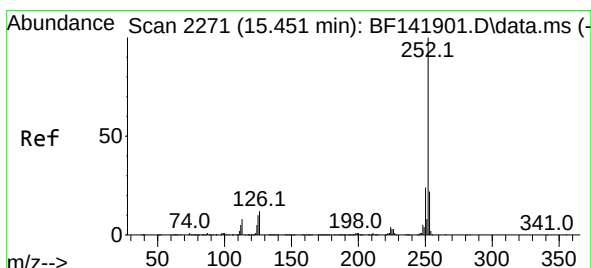
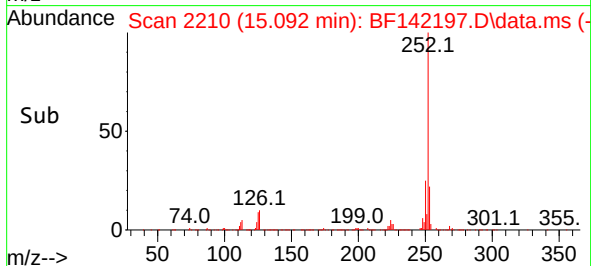
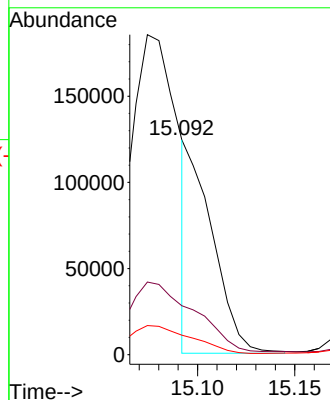
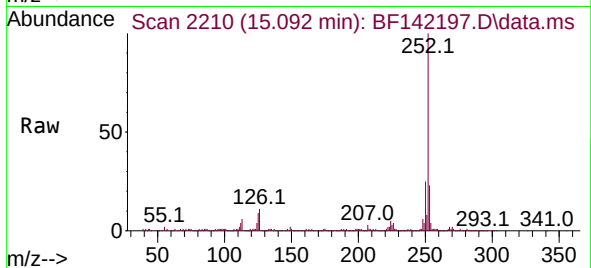
125 9.1 7.2 10.8

Manual Integrations

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Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#90

Benzo(a)pyrene

Concen: 12.988 ng

RT: 15.445 min Scan# 2270

Delta R.T. -0.006 min

Lab File: BF142197.D

Acq: 31 Mar 2025 23:25

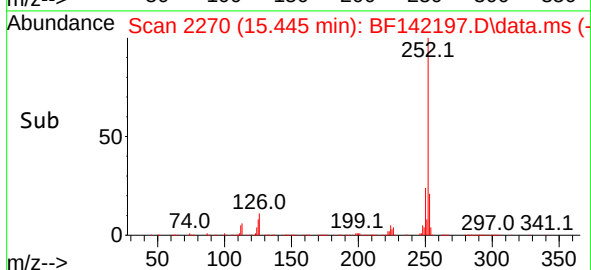
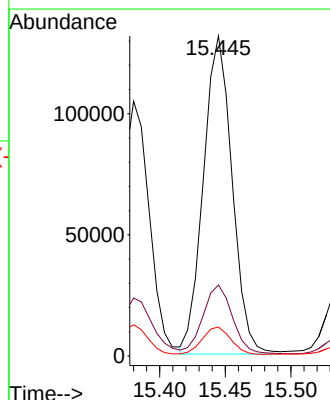
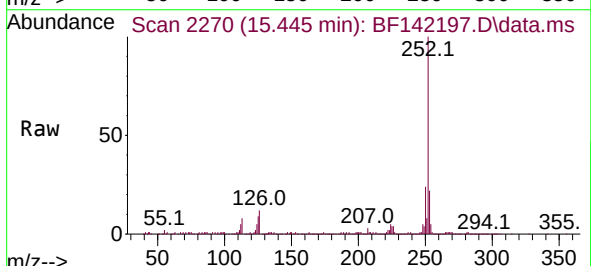
Tgt Ion:252 Resp: 200613

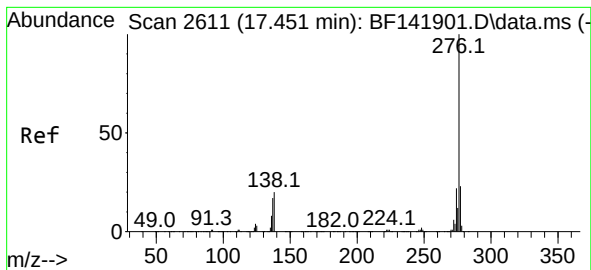
Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.0

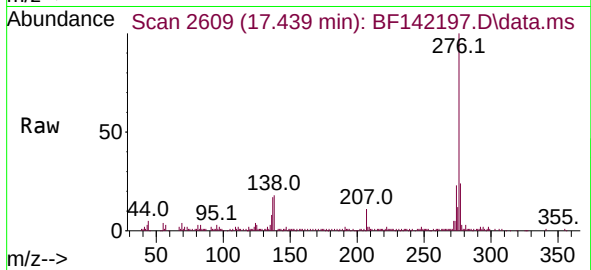
125 9.0 7.8 11.8





#92
 Benzo(g,h,i)perylene
 Concen: 5.917 ng
 RT: 17.439 min Scan# 20
 Delta R.T. -0.012 min
 Lab File: BF142197.D
 Acq: 31 Mar 2025 23:25

Instrument :
 BNA_F
 ClientSampleId :
 72-11991



Tgt Ion: 276 Resp: 8988
 Ion Ratio Lower Upper
 276 100
 277 24.0 18.7 28.1
 138 18.2 15.8 23.8

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

