

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
 Data File : BF142195.D
 Acq On : 31 Mar 2025 22:25
 Operator : RC/JU
 Sample : Q1674-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT5358

Manual Integrations
 APPROVED

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

Quant Time: Apr 01 00:49:38 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	100985	20.000	ng	-0.02
21) Naphthalene-d8	8.145	136	375056	20.000	ng	-0.02
39) Acenaphthene-d10	9.904	164	186284	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	269509m	20.000	ng	-0.01
76) Chrysene-d12	14.027	240	248944	20.000	ng	-0.01
86) Perylene-d12	15.509	264	293257	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.481	112	685088	113.223	ng	-0.01
7) Phenol-d6	6.486	99	833410	108.179	ng	-0.02
23) Nitrobenzene-d5	7.428	82	542441	81.391	ng	-0.02
42) 2,4,6-Tribromophenol	10.692	330	262331	111.004	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	1118694	91.329	ng	-0.02
79) Terphenyl-d14	12.974	244	1001381	59.471	ng	-0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.416	178	29598	2.033	ng	99
75) Fluoranthene	12.604	202	97634	6.323	ng	99
78) Pyrene	12.833	202	63726	2.959	ng	99
83) Chrysene	14.057	228	43994	2.971	ng	98
88) Benzo(b)fluoranthene	15.074	252	61916m	3.081	ng	

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

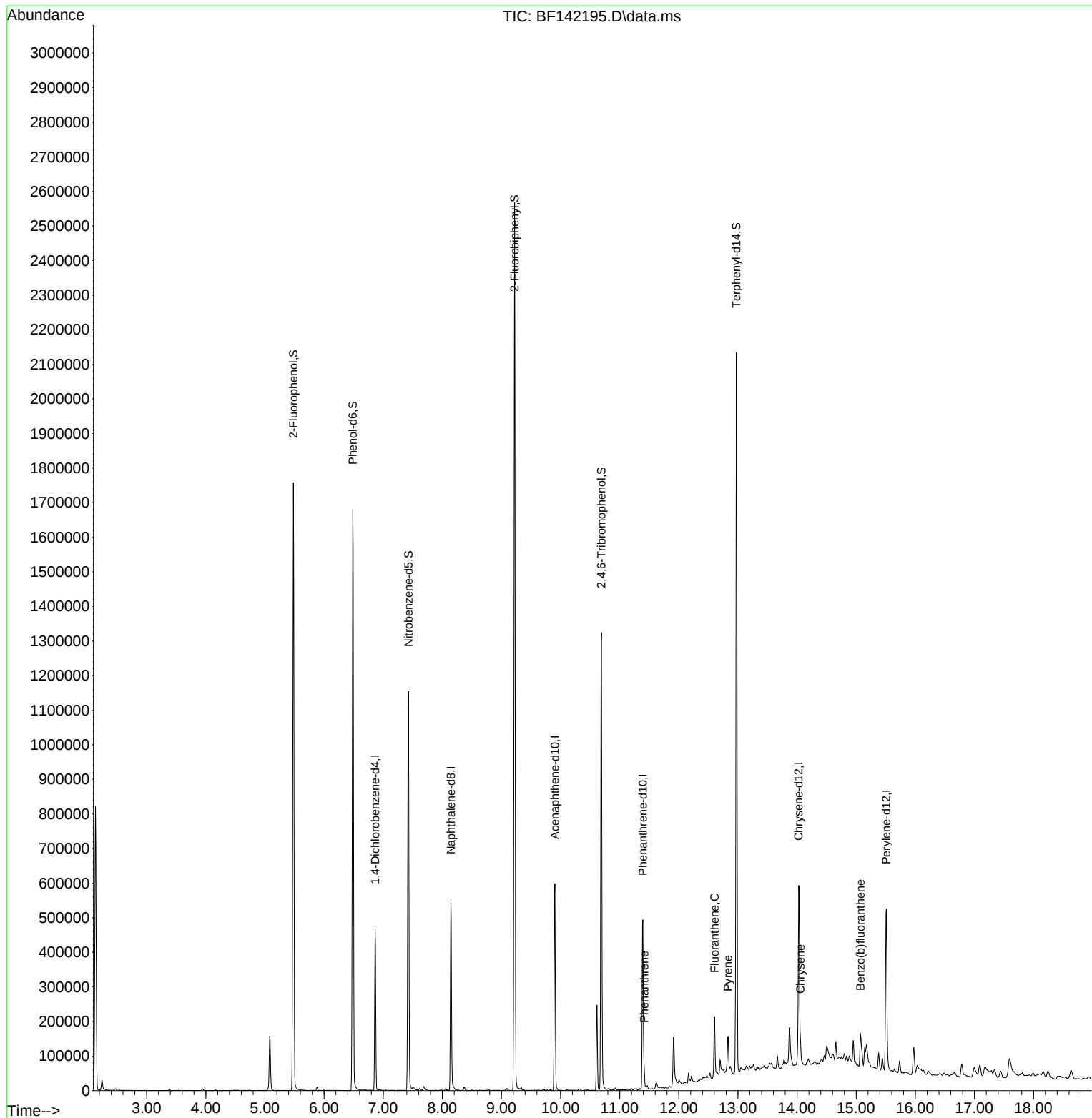
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF033125\
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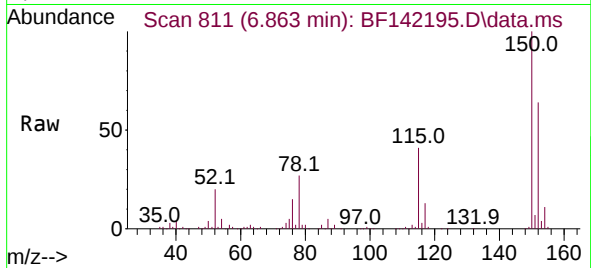
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 814
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

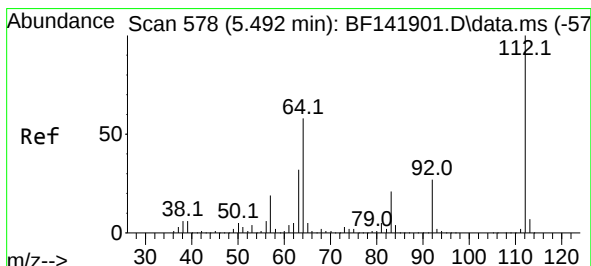
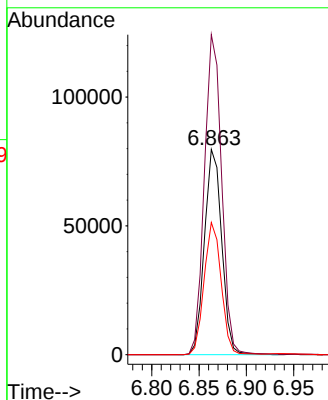
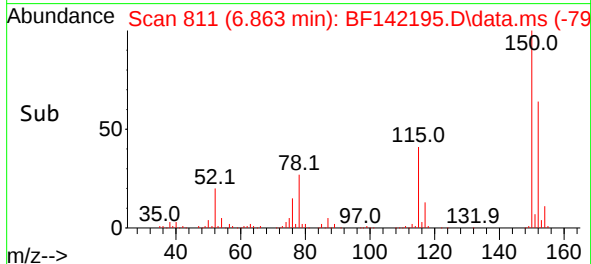
Instrument :
BNA_F
ClientSampleId :
RT5358



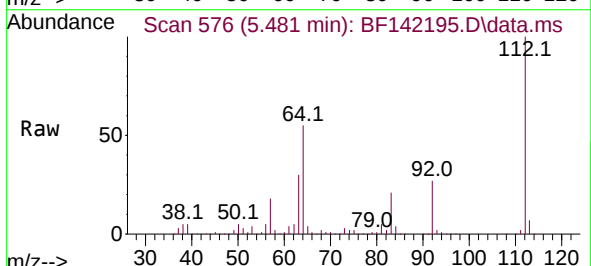
Tgt Ion:152 Resp: 100985
Ion Ratio Lower Upper
152 100
150 155.9 127.4 191.2
115 64.4 51.9 77.9

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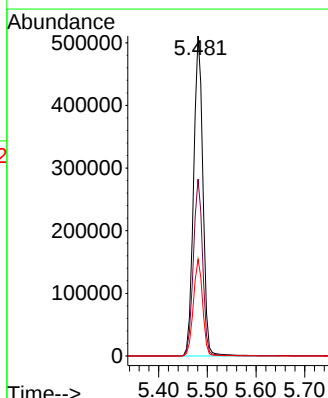
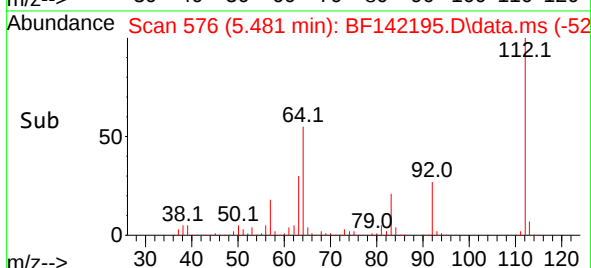
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#5
2-Fluorophenol
Concen: 113.223 ng
RT: 5.481 min Scan# 576
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25



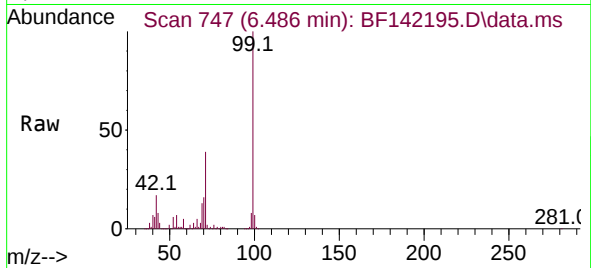
Tgt Ion:112 Resp: 685088
Ion Ratio Lower Upper
112 100
64 55.2 46.5 69.7
63 30.2 25.4 38.2





#7
Phenol-d6
Concen: 108.179 ng
RT: 6.486 min Scan# 74
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

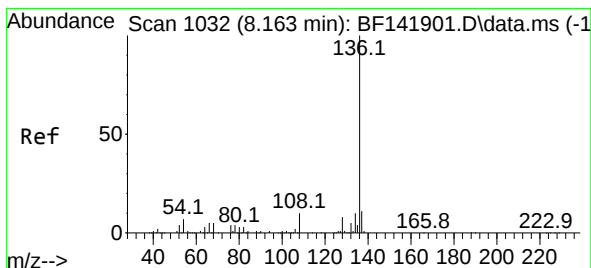
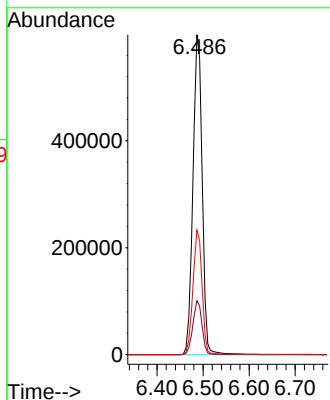
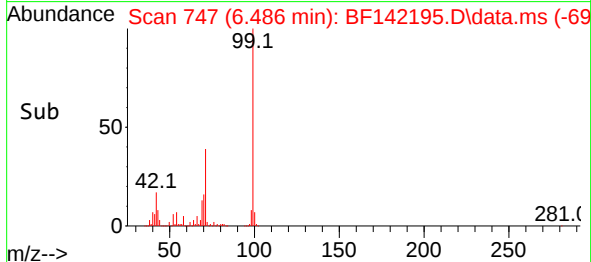
Instrument :
BNA_F
ClientSampleId :
RT5358



Tgt Ion: 99 Resp: 833410
Ion Ratio Lower Upper
99 100
42 16.9 14.6 21.8
71 38.9 30.8 46.2

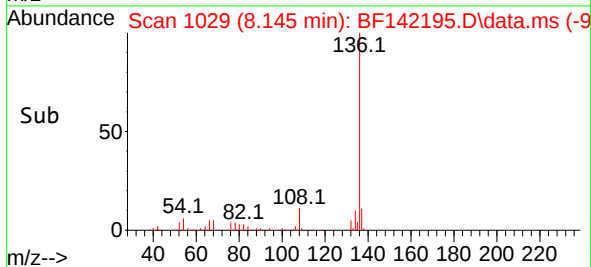
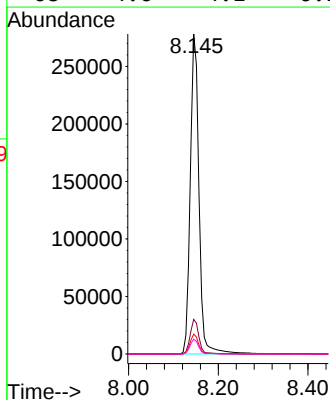
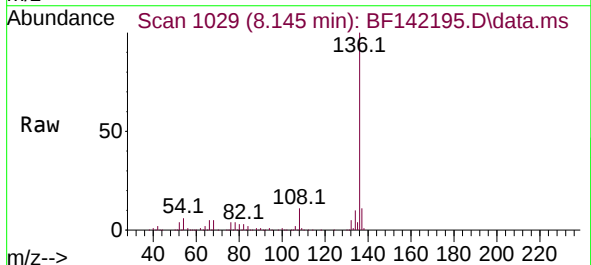
Manual Integrations
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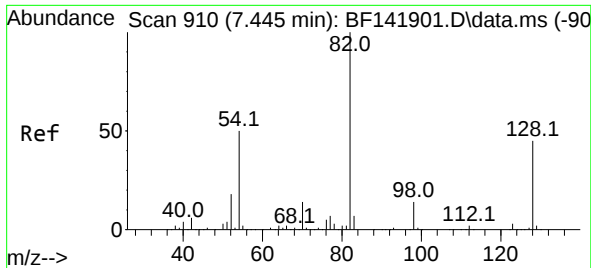
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Tgt Ion:136 Resp: 375056
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 6.2 5.8 8.8
68 4.6 4.1 6.1





#23
Nitrobenzene-d5
Concen: 81.391 ng
RT: 7.428 min Scan# 907
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

Instrument :

BNA_F

ClientSampleId :

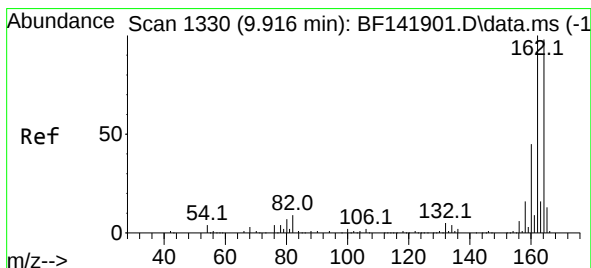
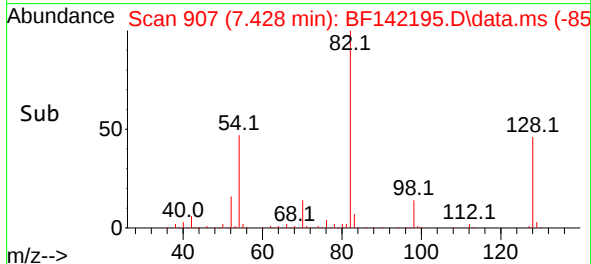
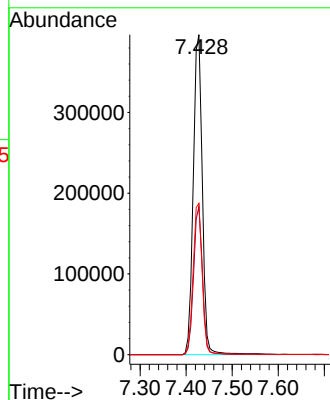
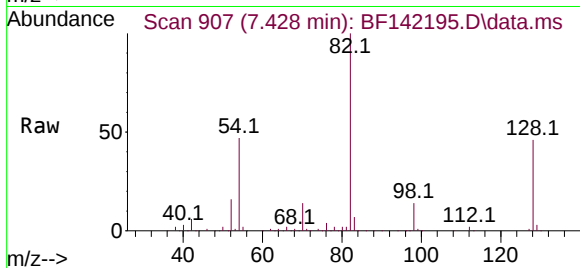
RT5358

Tgt Ion: 82 Resp: 54244
Ion Ratio Lower Upper
82 100
128 46.3 36.0 54.0
54 47.3 39.6 59.4

Manual Integrations

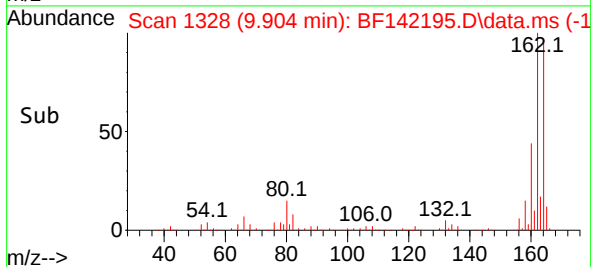
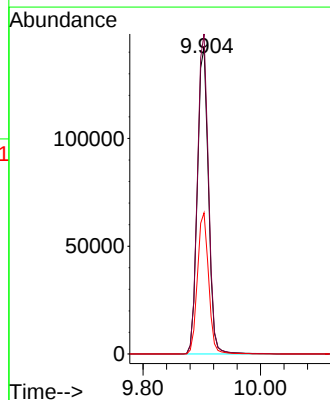
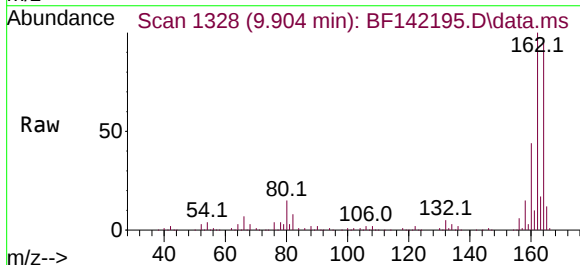
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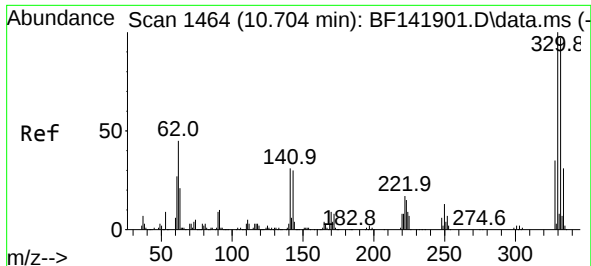
Reviewed By :Anahy Claudio 04/01/2025
Supervised By :Jagrut Upadhyay 04/01/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

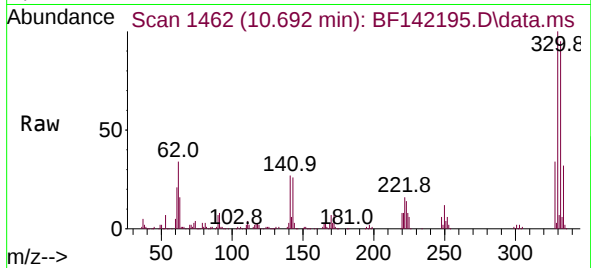
Tgt Ion:164 Resp: 186284
Ion Ratio Lower Upper
164 100
162 104.3 81.8 122.6
160 46.0 36.7 55.1





#42
2,4,6-Tribromophenol
Concen: 111.004 ng
RT: 10.692 min Scan# 1462
Delta R.T. -0.012 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25

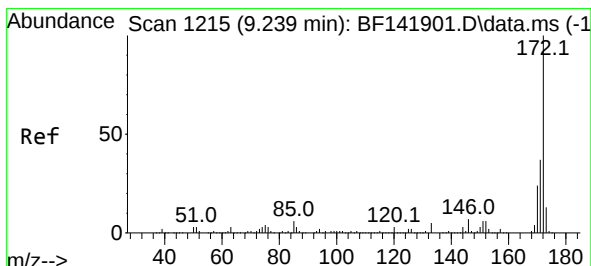
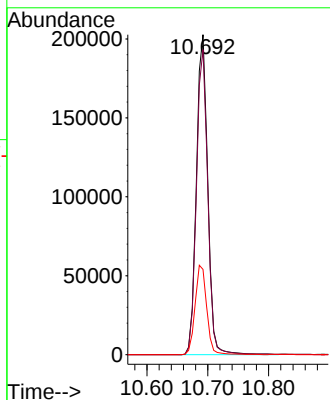
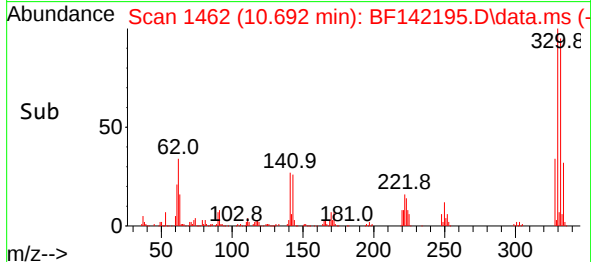
Instrument :
BNA_F
ClientSampleId :
RT5358



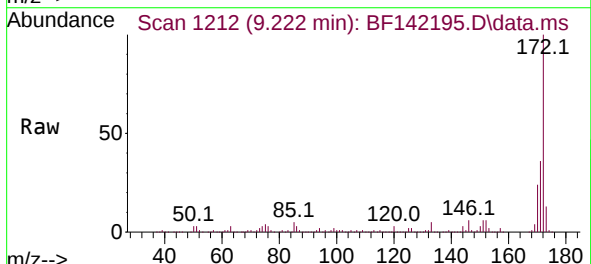
Tgt Ion:330 Resp: 26233
Ion Ratio Lower Upper
330 100
332 95.2 77.6 116.4
141 28.8 24.7 37.1

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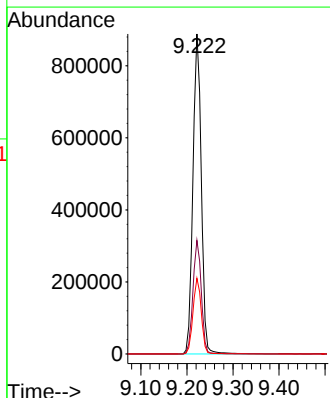
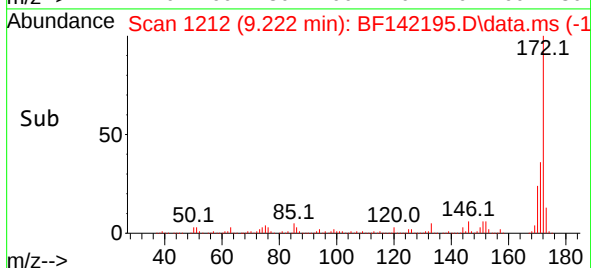
Reviewed By :Anahy Claudio 04/01/2025
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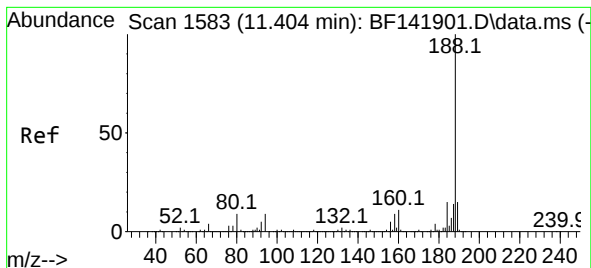


#45
2-Fluorobiphenyl
Concen: 91.329 ng
RT: 9.222 min Scan# 1212
Delta R.T. -0.018 min
Lab File: BF142195.D
Acq: 31 Mar 2025 22:25



Tgt Ion:172 Resp: 1118694
Ion Ratio Lower Upper
172 100
171 35.5 29.3 43.9
170 23.7 19.4 29.0





#64

Phenanthrene-d10

Concen: 20.000 ng m

RT: 11.392 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

Instrument :

BNA_F

ClientSampleId :

RT5358

Tgt Ion:188 Resp: 269509

Ion Ratio Lower Upper

188 100

94 7.2 6.8 10.2

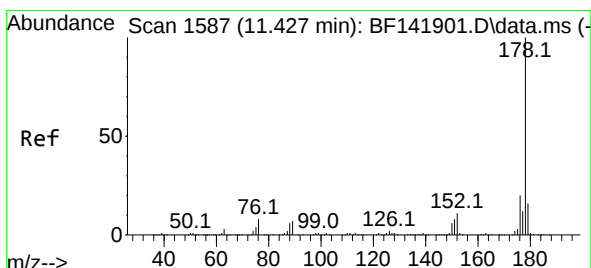
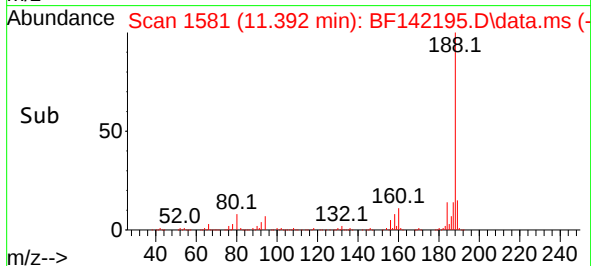
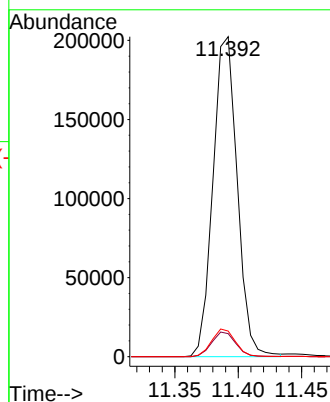
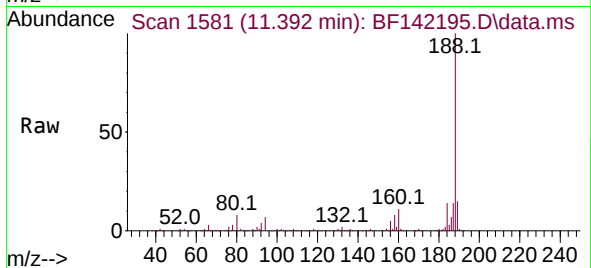
80 8.0 7.6 11.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#71

Phenanthrene

Concen: 2.033 ng

RT: 11.416 min Scan# 1585

Delta R.T. -0.012 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

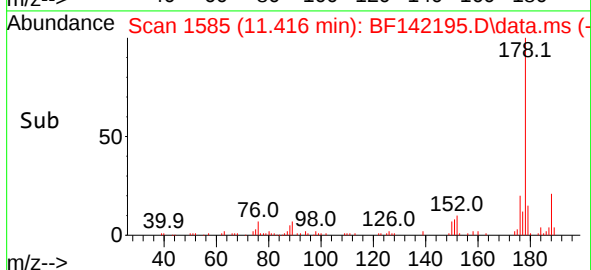
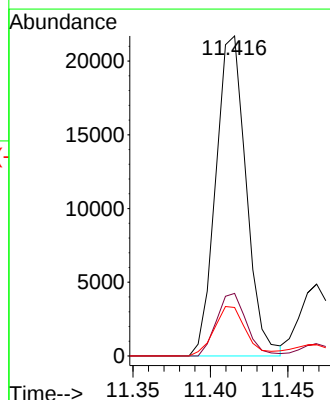
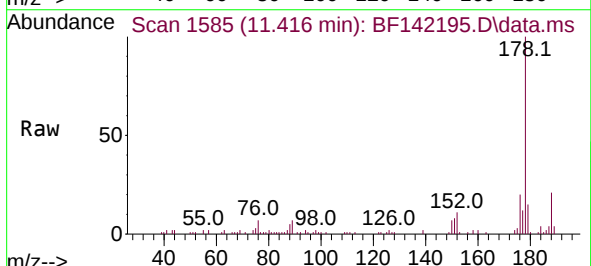
Tgt Ion:178 Resp: 29598

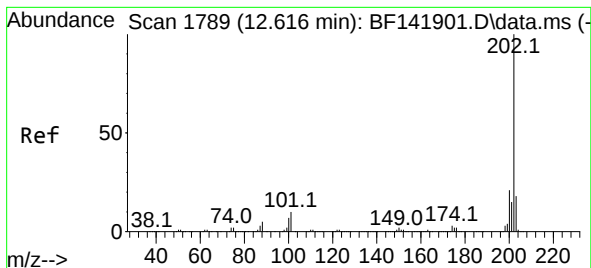
Ion Ratio Lower Upper

178 100

176 19.5 15.8 23.8

179 15.2 12.6 19.0





#75

Fluoranthene

Concen: 6.323 ng

RT: 12.604 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

Instrument :

BNA_F

ClientSampleId :

RT5358

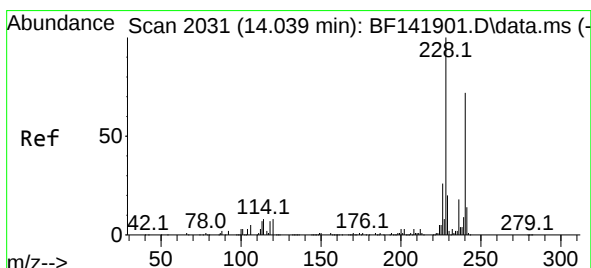
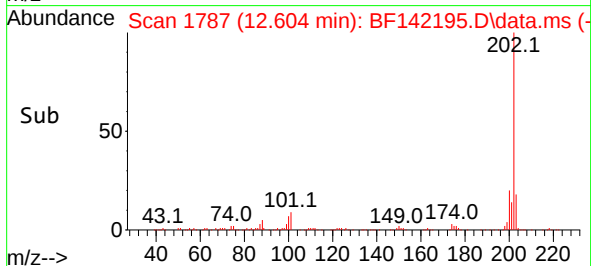
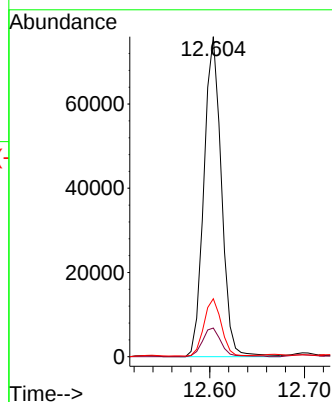
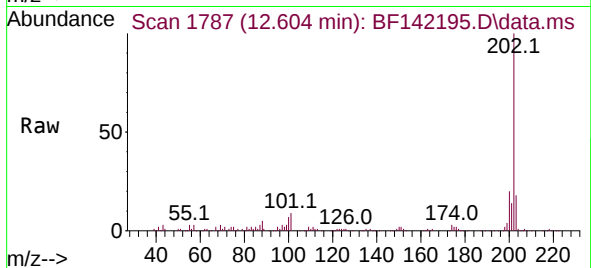
Tgt Ion:	202	Resp:	97634
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	29.7
203	18.1	0.0	37.8

Manual Integrations

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Supervised By :Jagrut Upadhyay 04/01/2025



#76

Chrysene-d12

Concen: 20.000 ng

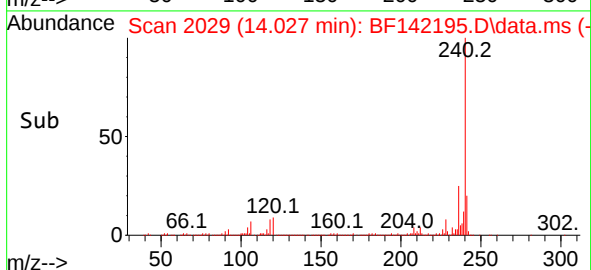
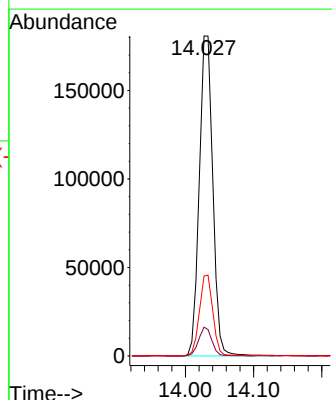
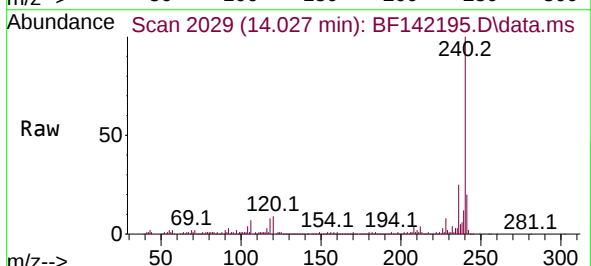
RT: 14.027 min Scan# 2029

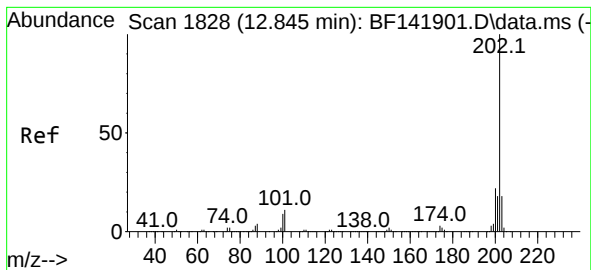
Delta R.T. -0.012 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

Tgt Ion:	240	Resp:	248944
Ion Ratio	Lower	Upper	
240	100		
120	9.0	8.4	12.6
236	25.0	20.5	30.7





#78

Pyrene

Concen: 2.959 ng

RT: 12.833 min Scan# 1826

Delta R.T. -0.012 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

Instrument :

BNA_F

ClientSampleId :

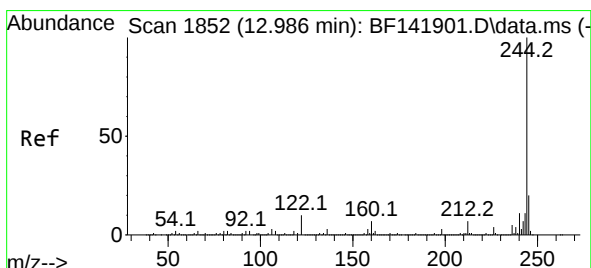
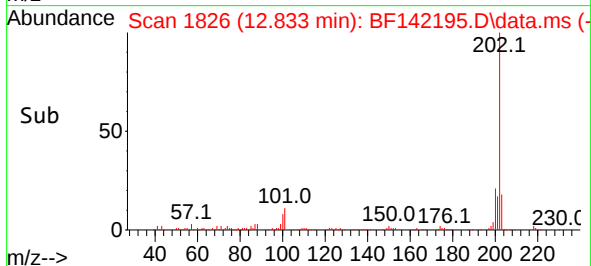
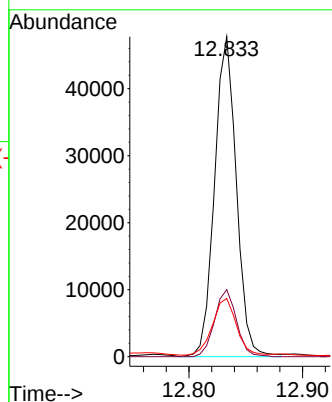
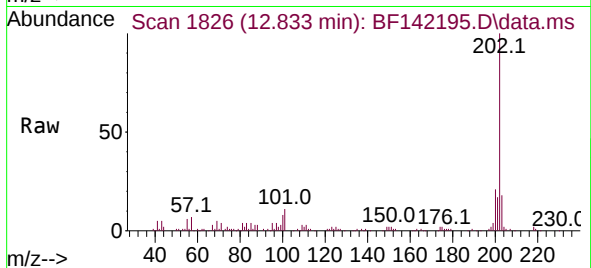
RT5358

Tgt Ion:202	Resp: 63720
Ion Ratio	Lower Upper
202 100	
200 20.9	17.3 25.9
203 18.2	14.4 21.6

Manual Integrations

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



#79

Terphenyl-d14

Concen: 59.471 ng

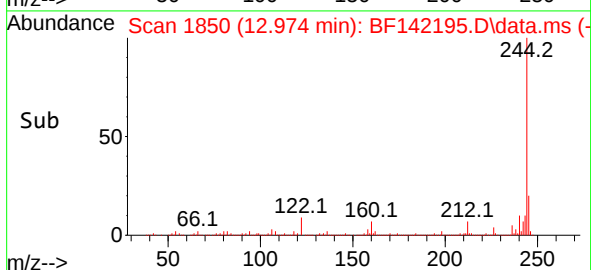
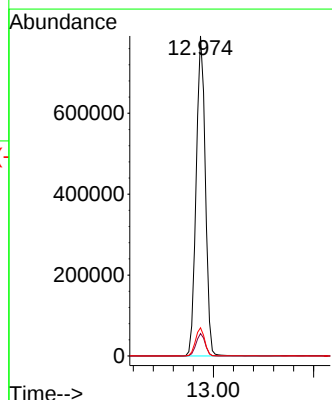
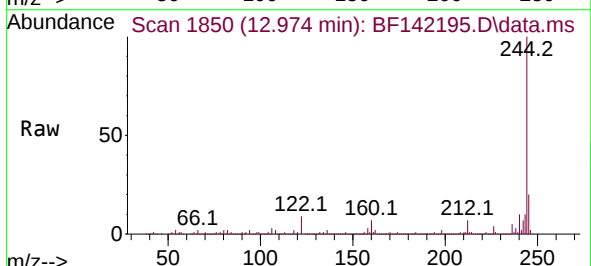
RT: 12.974 min Scan# 1850

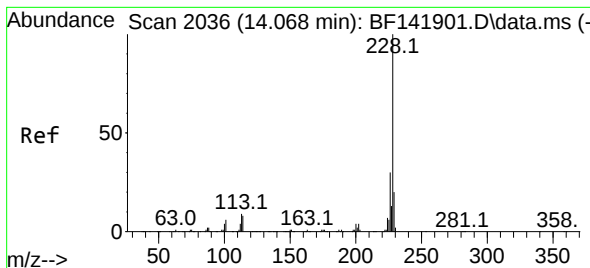
Delta R.T. -0.012 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

Tgt Ion:244	Resp: 1001381
Ion Ratio	Lower Upper
244 100	
212 7.0	6.0 9.0
122 8.8	7.7 11.5





#83

Chrysene

Concen: 2.971 ng

RT: 14.057 min Scan# 2036

Delta R.T. -0.012 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

Instrument :

BNA_F

ClientSampleId :

RT5358

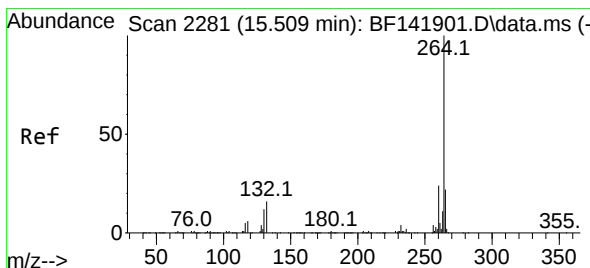
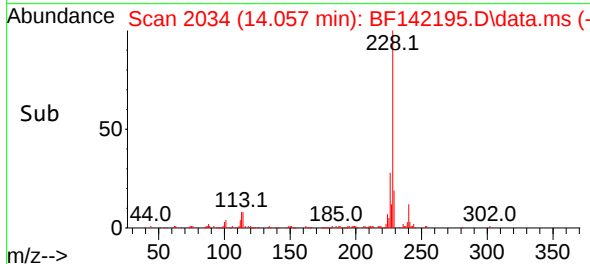
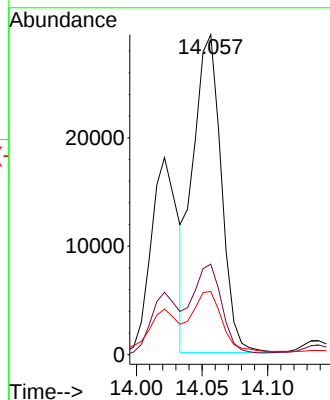
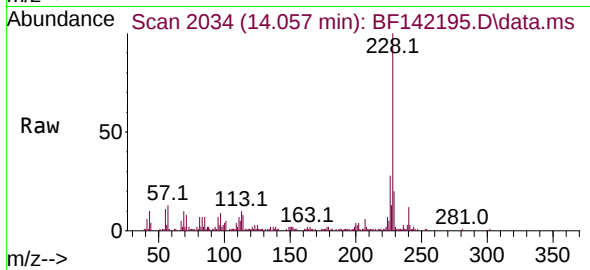
Tgt Ion:	228	Resp:	43994
Ion Ratio	Lower	Upper	
228	100		
226	28.3	24.1	36.1
229	19.7	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 04/01/2025

Supervised By :Jagrut Upadhyay 04/01/2025



#86

Perylene-d12

Concen: 20.000 ng

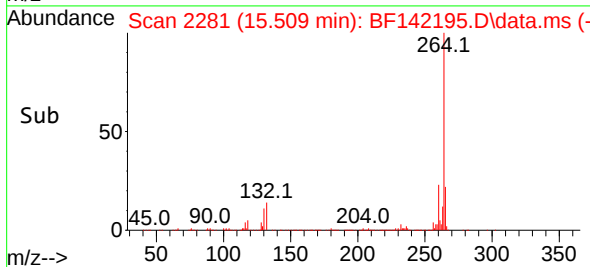
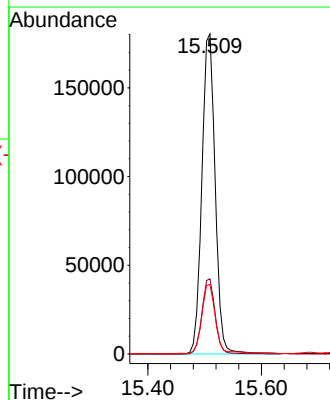
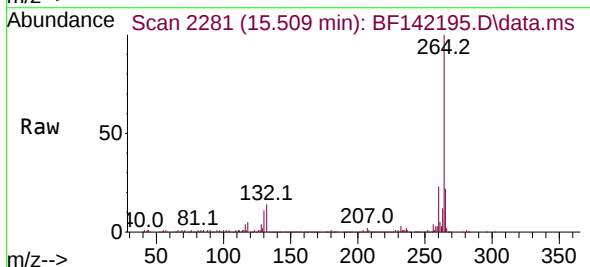
RT: 15.509 min Scan# 2281

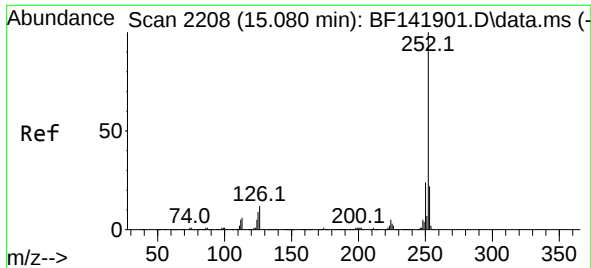
Delta R.T. -0.000 min

Lab File: BF142195.D

Acq: 31 Mar 2025 22:25

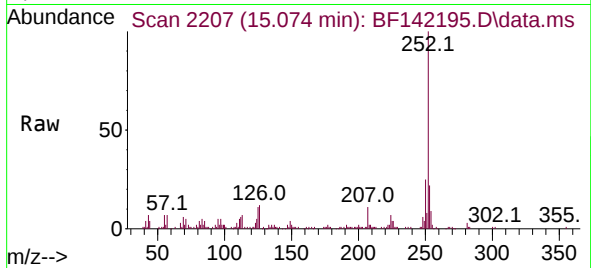
Tgt Ion:	264	Resp:	293257
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.1	28.7
265	21.7	17.5	26.3





#88
 Benzo(b)fluoranthene
 Concen: 3.081 ng m
 RT: 15.074 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142195.D
 Acq: 31 Mar 2025 22:25

Instrument :
 BNA_F
 ClientSampleId :
 RT5358



Tgt Ion:252 Resp: 61910
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.5 26.3
 125 10.6 7.0 10.4

Manual Integrations
 APPROVED

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

