

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
 Data File : BF142437.D
 Acq On : 16 May 2025 20:09
 Operator : RC/JU
 Sample : Q2047-01 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-051425

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 05/19/2025
 Supervised By :Jagrut Upadhyay 05/19/2025

Quant Time: May 16 22:43:07 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	115298	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	364744	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	151222	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	266570	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	197047	20.000	ng	0.00
86) Perylene-d12	15.557	264	160025	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	248695	36.821	ng	0.00
7) Phenol-d6	6.516	99	281022	33.829	ng	0.00
23) Nitrobenzene-d5	7.457	82	163318	27.308	ng	-0.01
42) 2,4,6-Tribromophenol	10.722	330	58042	39.754	ng	-0.01
45) 2-Fluorobiphenyl	9.257	172	299294	28.221	ng	0.00
79) Terphenyl-d14	13.010	244	317652	23.860	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.480	166	23278	2.383	ng	97
71) Phenanthrene	11.445	178	231504	16.568	ng	99
72) Anthracene	11.498	178	64942	4.523	ng	99
75) Fluoranthene	12.639	202	242337	17.350	ng	98
78) Pyrene	12.869	202	265804	15.155	ng	99
81) Benzo(a)anthracene	14.051	228	91577	7.176	ng	96
83) Chrysene	14.086	228	79906	6.726	ng	97
87) Indeno(1,2,3-cd)pyrene	17.051	276	23997	2.156	ng	# 91
88) Benzo(b)fluoranthene	15.115	252	67290m	6.943	ng	
89) Benzo(k)fluoranthene	15.133	252	22206m	2.504	ng	
90) Benzo(a)pyrene	15.486	252	53612	6.173	ng	94
92) Benzo(g,h,i)perylene	17.504	276	24323	2.665	ng	96

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

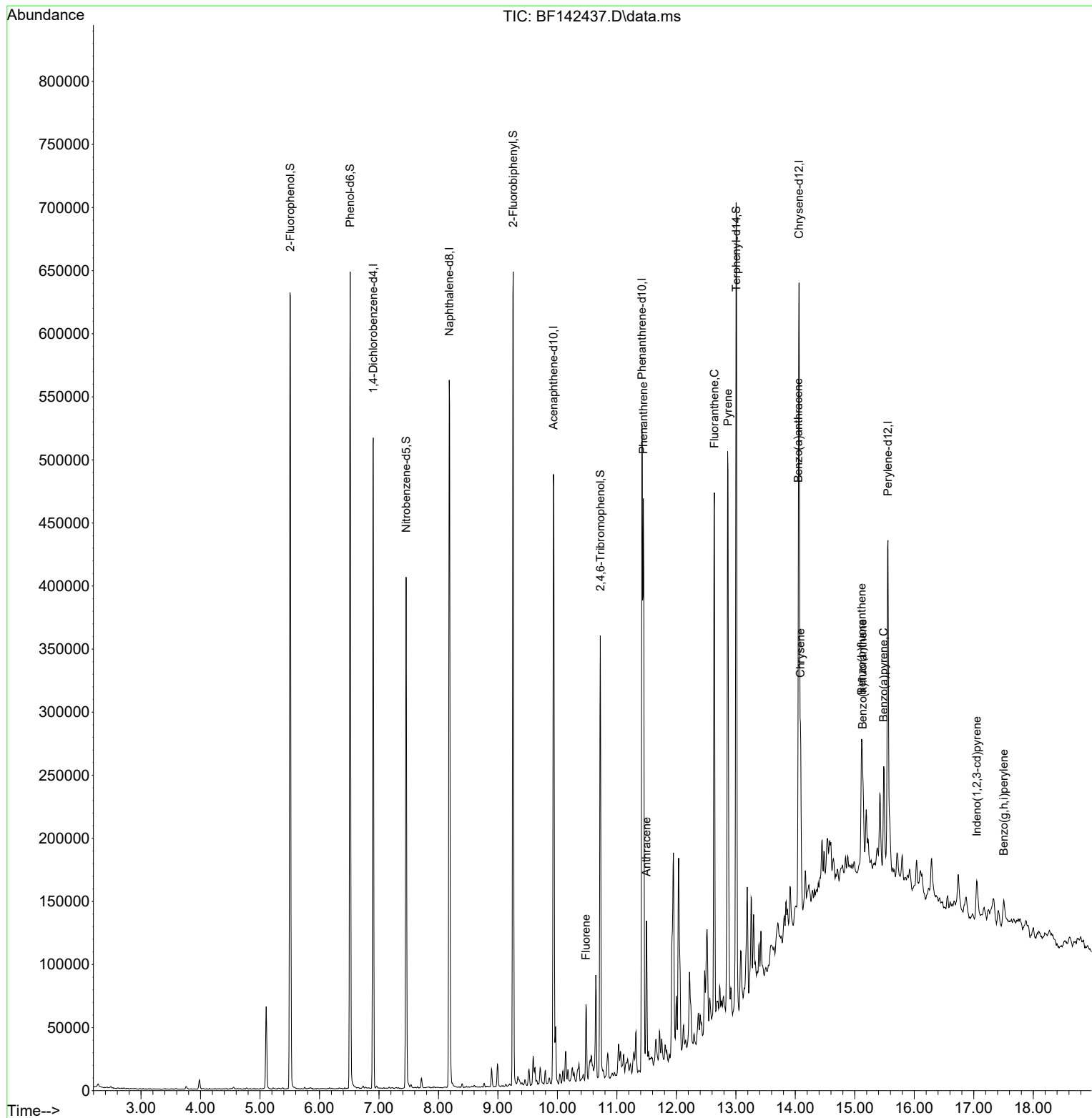
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051625\
Data File : BF142437.D
Acq On : 16 May 2025 20:09
Operator : RC/JU
Sample : Q2047-01 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

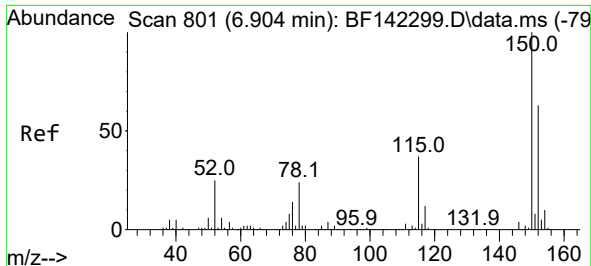
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Quant Time: May 16 22:43:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
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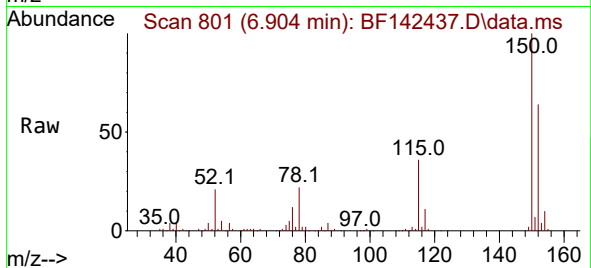
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

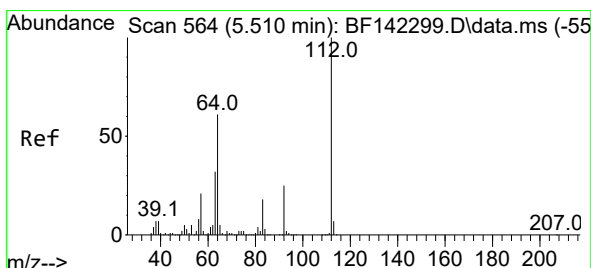
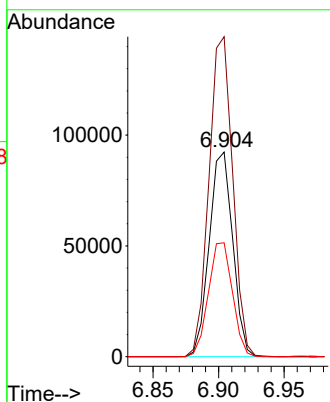
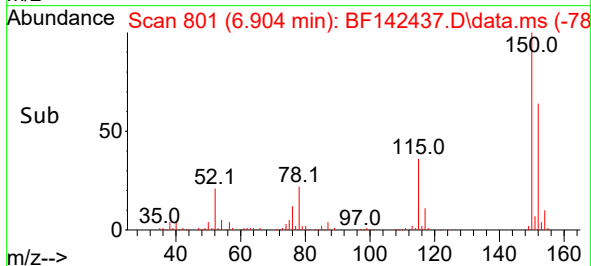
Instrument :
BNA_F
ClientSampleId :
SU-04-051425



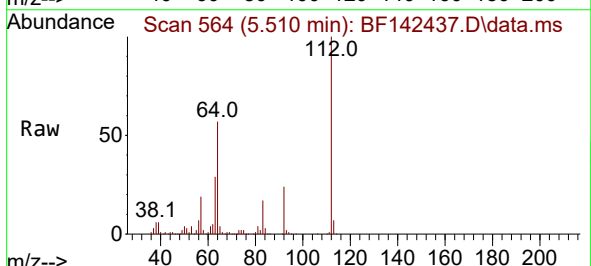
Tgt Ion:152 Resp: 115298
Ion Ratio Lower Upper
152 100
150 156.4 126.6 190.0
115 55.7 47.3 70.9

Manual Integrations
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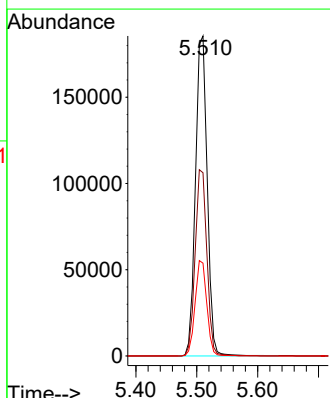
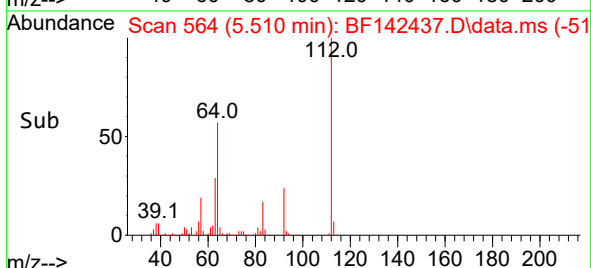
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

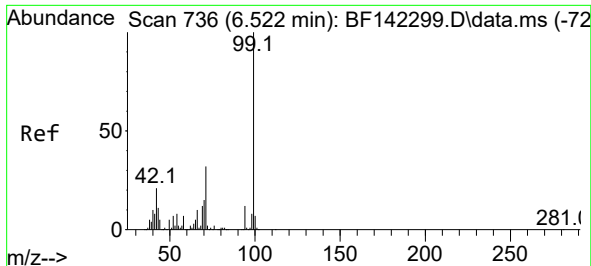


#5
2-Fluorophenol
Concen: 36.821 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.000 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09



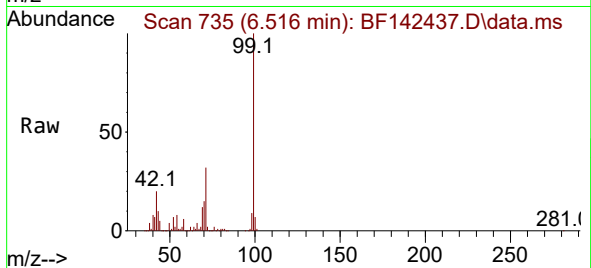
Tgt Ion:112 Resp: 248695
Ion Ratio Lower Upper
112 100
64 57.3 48.9 73.3
63 29.0 25.6 38.4





#7
Phenol-d6
Concen: 33.829 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

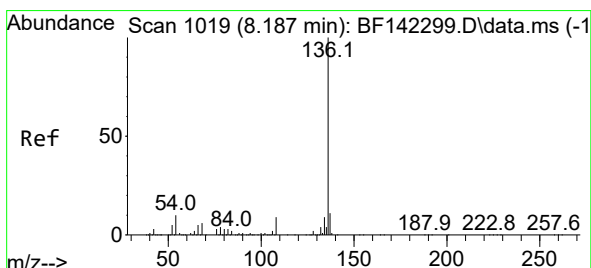
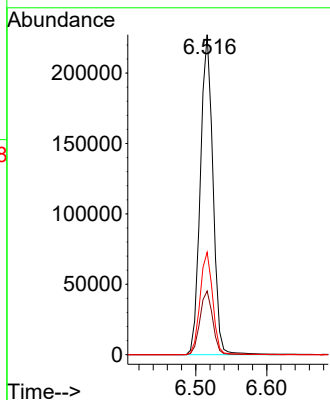
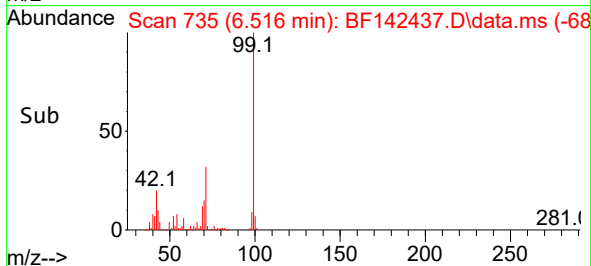
Instrument :
BNA_F
ClientSampleId :
SU-04-051425



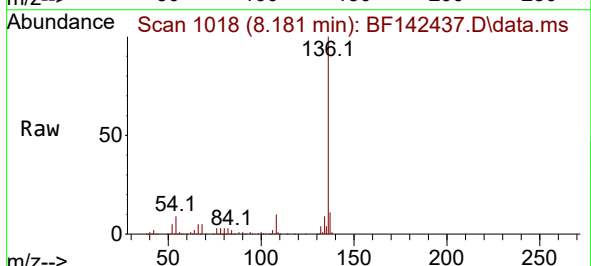
Tgt Ion: 99 Resp: 28102
Ion Ratio Lower Upper
99 100
42 19.9 17.0 25.4
71 32.0 25.8 38.8

Manual Integrations
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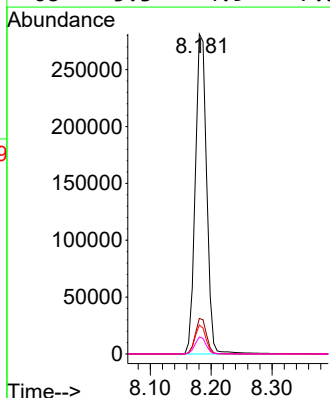
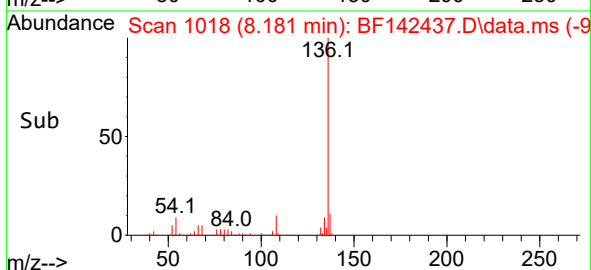
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

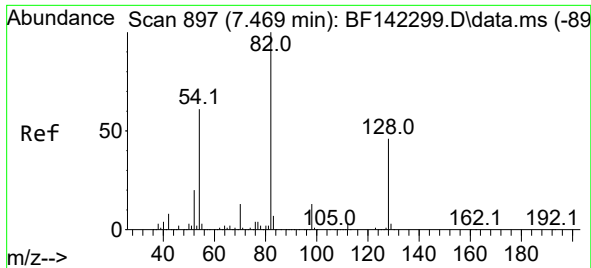


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09



Tgt Ion:136 Resp: 364744
Ion Ratio Lower Upper
136 100
137 11.1 8.9 13.3
54 9.1 7.7 11.5
68 5.3 4.9 7.3





#23

Nitrobenzene-d5

Concen: 27.308 ng

RT: 7.457 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF142437.D

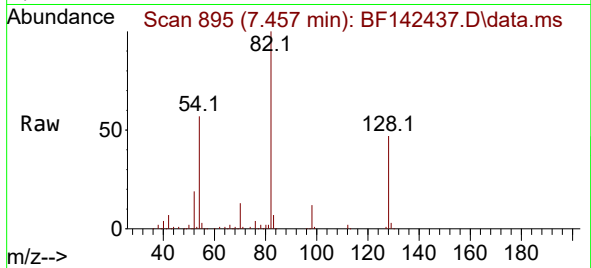
Acq: 16 May 2025 20:09

Instrument :

BNA_F

ClientSampleId :

SU-04-051425



Tgt Ion: 82 Resp: 163318

Ion Ratio Lower Upper

82 100

128 46.8 37.0 55.6

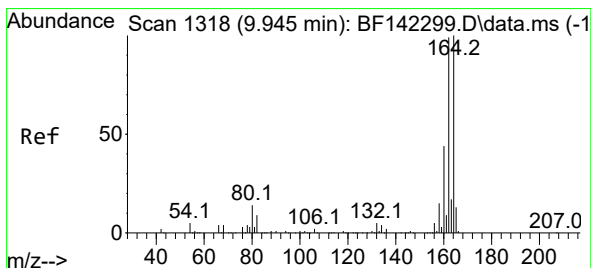
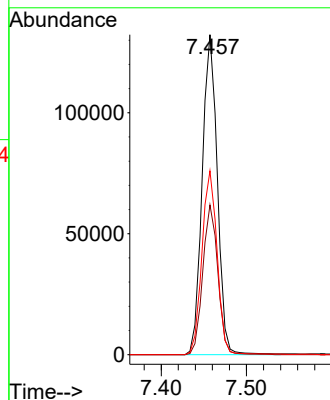
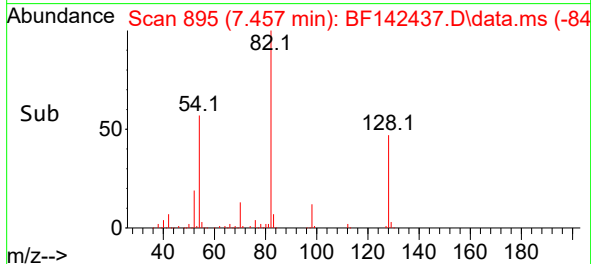
54 57.4 48.6 73.0

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#39

Acenaphthene-d10

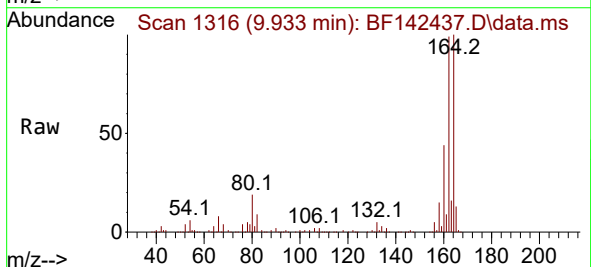
Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.012 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09



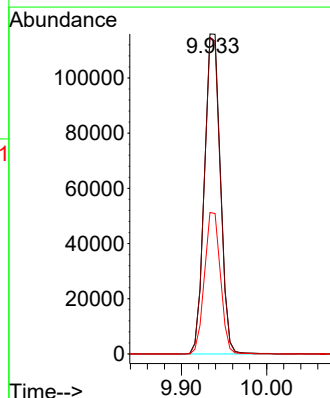
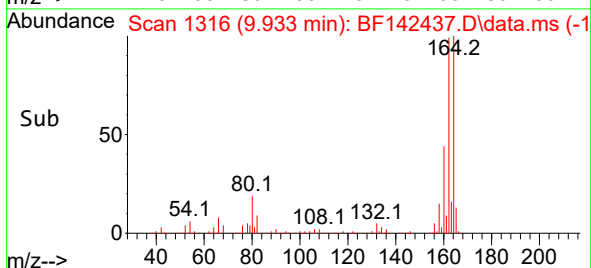
Tgt Ion:164 Resp: 151222

Ion Ratio Lower Upper

164 100

162 99.0 79.2 118.8

160 44.2 35.3 52.9





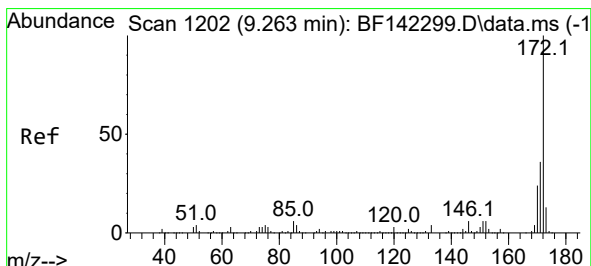
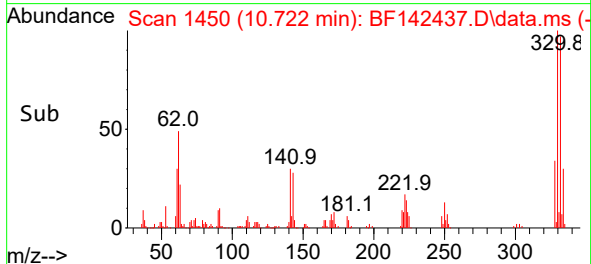
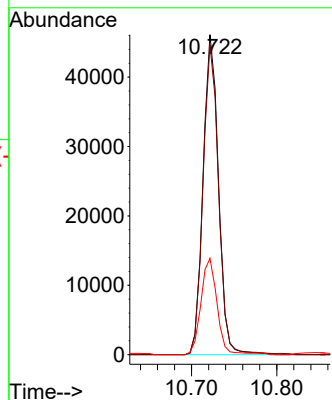
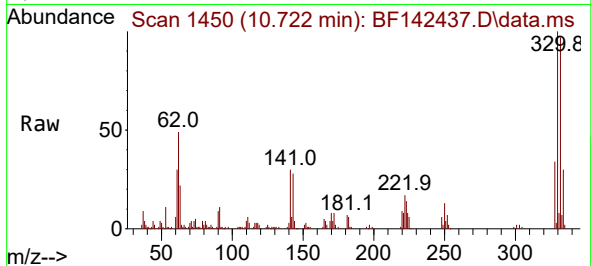
#42
2,4,6-Tribromophenol
Concen: 39.754 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Instrument :
BNA_F
ClientSampleId :
SU-04-051425

Tgt Ion: 330 Resp: 5804
Ion Ratio Lower Upper
330 100
332 97.5 76.8 115.2
141 31.5 24.9 37.3

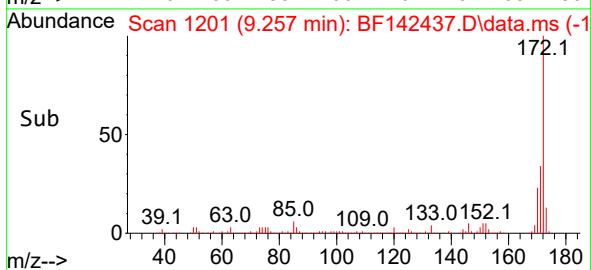
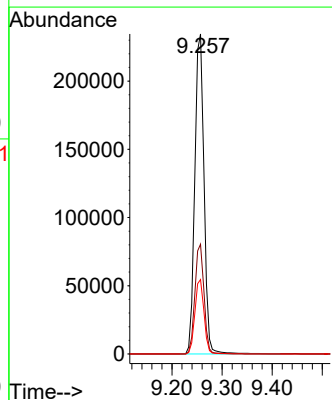
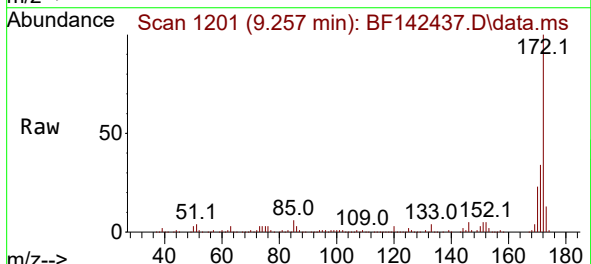
Manual Integrations
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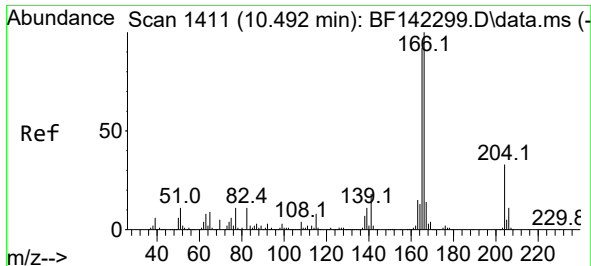
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#45
2-Fluorobiphenyl
Concen: 28.221 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

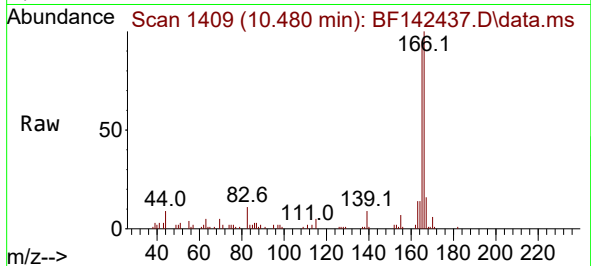
Tgt Ion: 172 Resp: 299294
Ion Ratio Lower Upper
172 100
171 34.3 28.6 42.8
170 23.3 19.0 28.4





#58
Fluorene
Concen: 2.383 ng
RT: 10.480 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

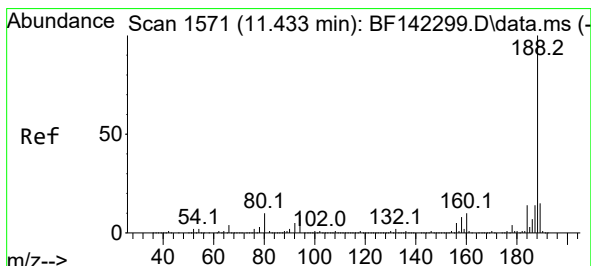
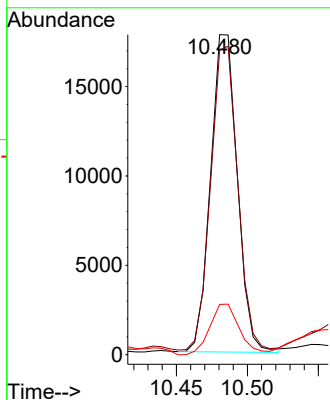
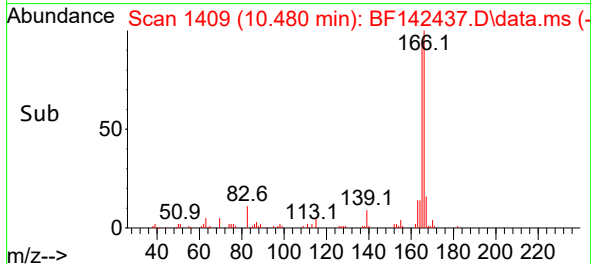
Instrument :
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ClientSampleId :
SU-04-051425



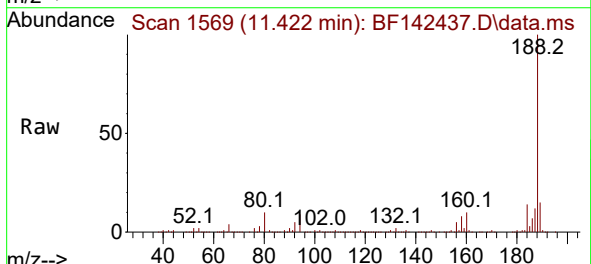
Tgt Ion:166 Resp: 23278
Ion Ratio Lower Upper
166 100
165 95.1 74.0 111.0
167 15.7 10.9 16.3

Manual Integrations
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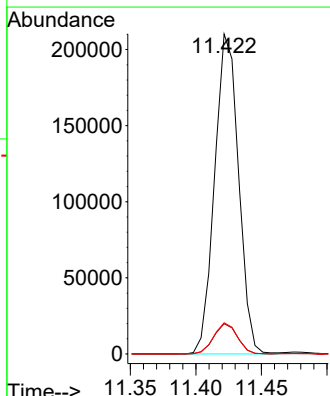
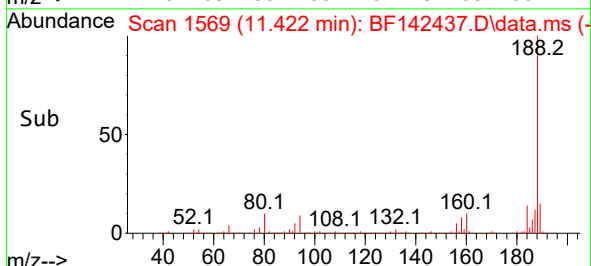
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

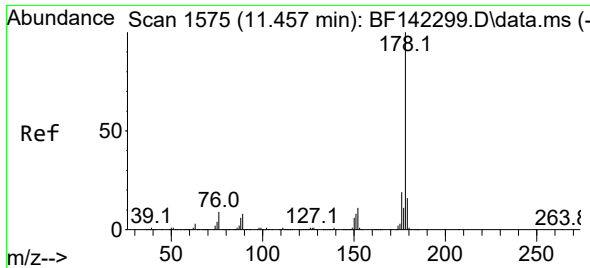


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09



Tgt Ion:188 Resp: 266570
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 9.7 7.9 11.9





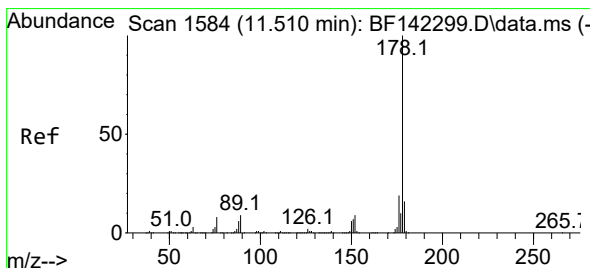
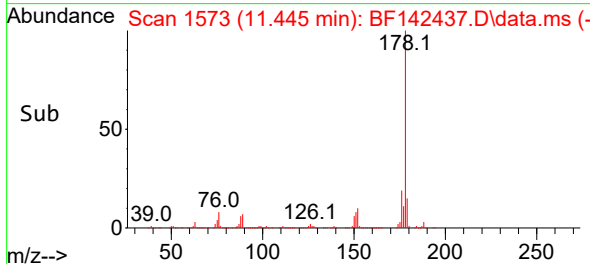
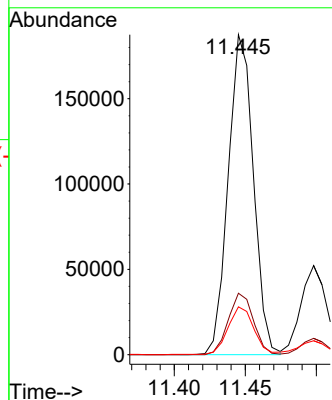
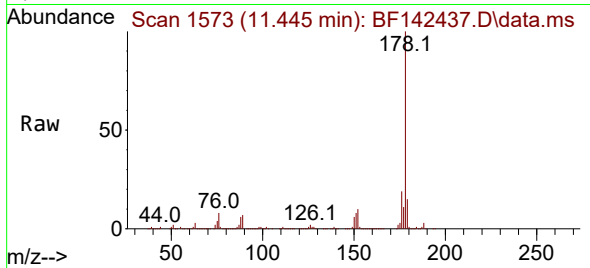
#71
Phenanthrene
Concen: 16.568 ng
RT: 11.445 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Instrument :
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SU-04-051425

Tgt Ion:178 Resp: 231504
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.0 12.6 18.8

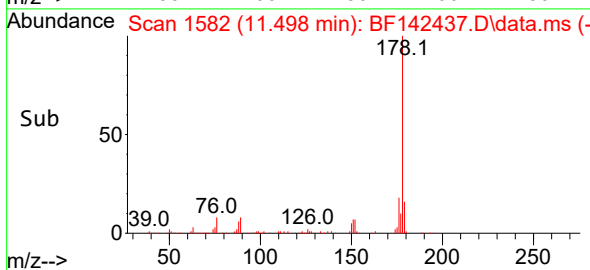
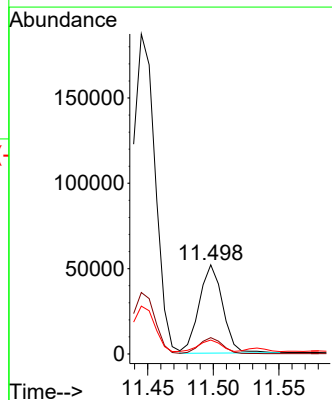
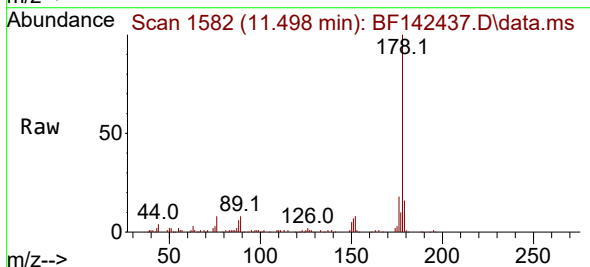
Manual Integrations
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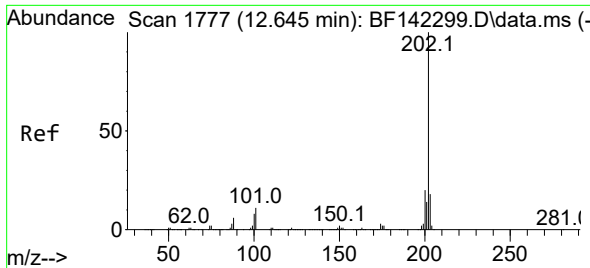
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#72
Anthracene
Concen: 4.523 ng
RT: 11.498 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

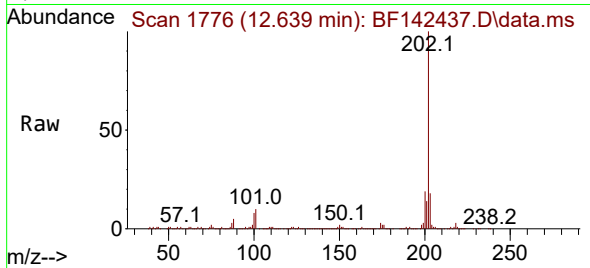
Tgt Ion:178 Resp: 64942
Ion Ratio Lower Upper
178 100
176 18.4 15.3 22.9
179 15.6 12.6 18.8





#75
Fluoranthene
Concen: 17.350 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

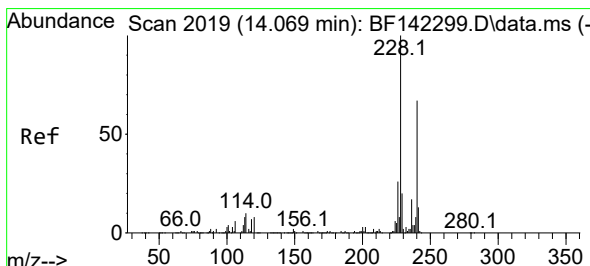
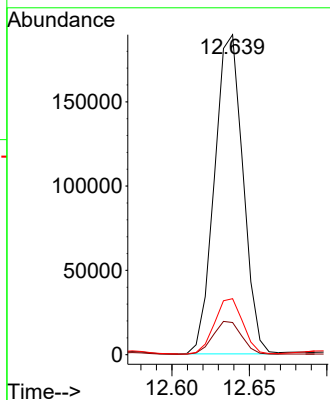
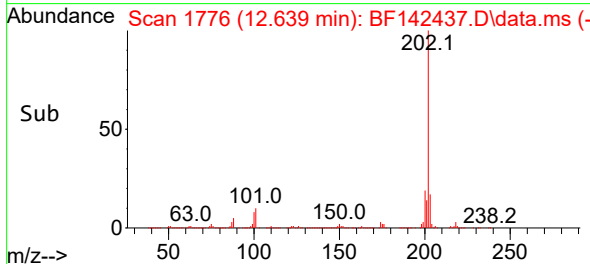
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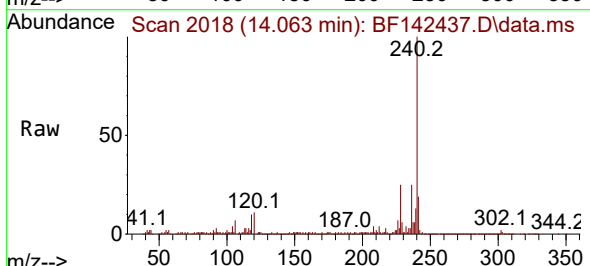
Tgt Ion:202 Resp: 24233
Ion Ratio Lower Upper
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101 10.1 0.0 31.4
203 17.5 0.0 37.9

Manual Integrations
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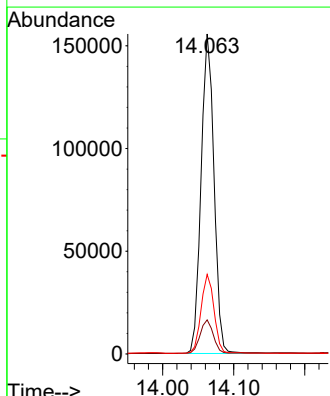
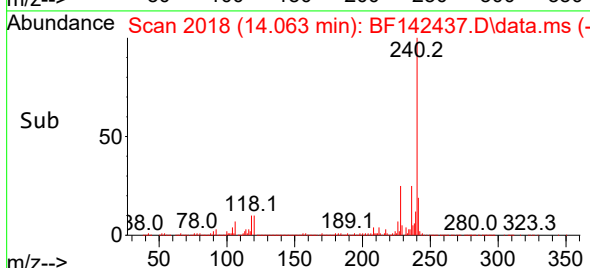
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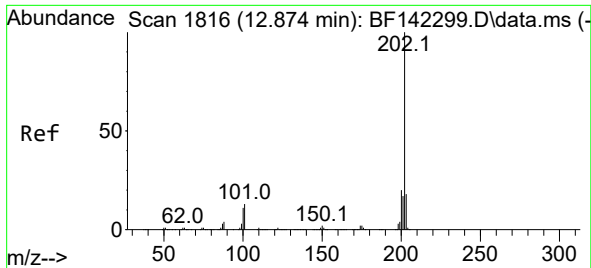


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09



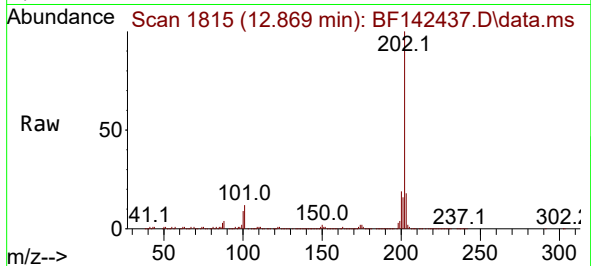
Tgt Ion:240 Resp: 197047
Ion Ratio Lower Upper
240 100
120 10.6 9.7 14.5
236 24.9 20.0 30.0





#78
Pyrene
Concen: 15.155 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

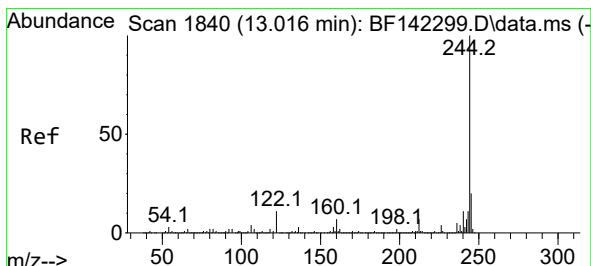
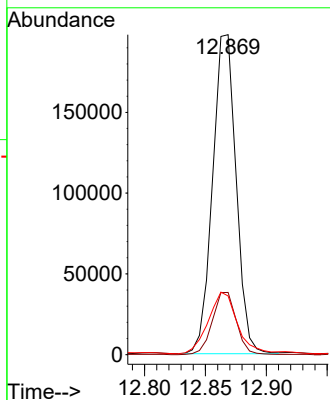
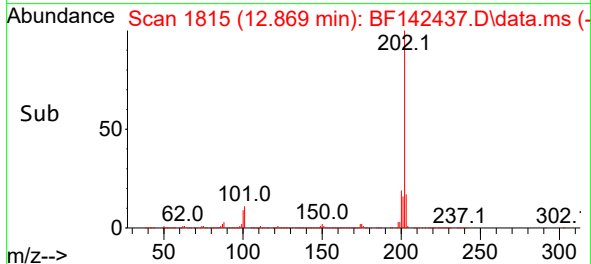
Instrument :
BNA_F
ClientSampleId :
SU-04-051425



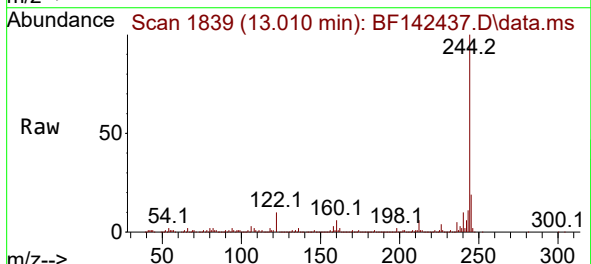
Tgt Ion:202 Resp: 265804
Ion Ratio Lower Upper
202 100
200 19.4 16.2 24.4
203 18.3 14.3 21.5

Manual Integrations
APPROVED

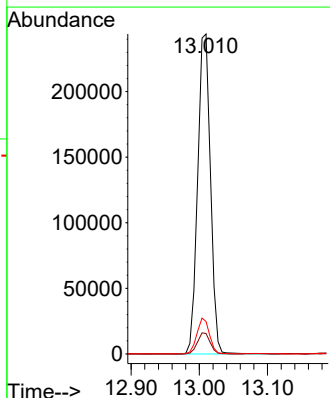
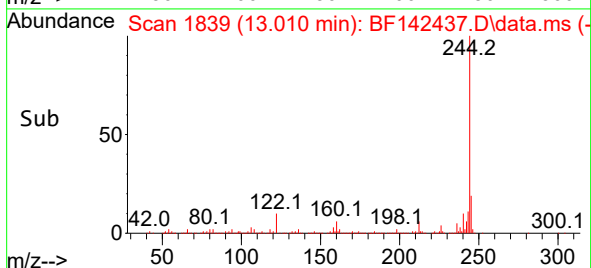
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

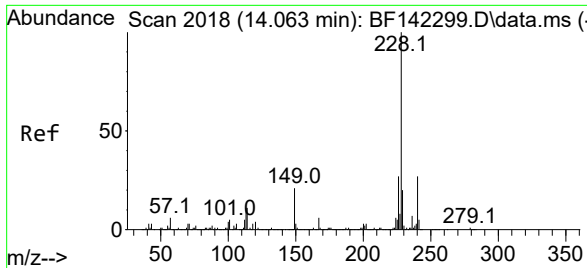


#79
Terphenyl-d14
Concen: 23.860 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09



Tgt Ion:244 Resp: 317652
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.2
122 10.1 9.0 13.4





#81
Benzo(a)anthracene
Concen: 7.176 ng
RT: 14.051 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Instrument :

BNA_F

ClientSampleId :

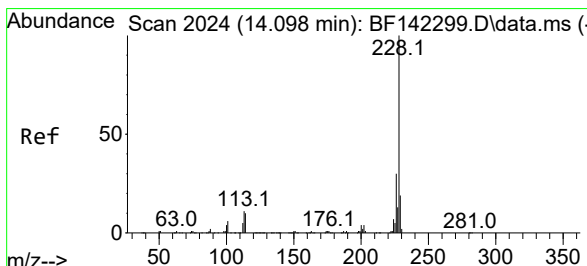
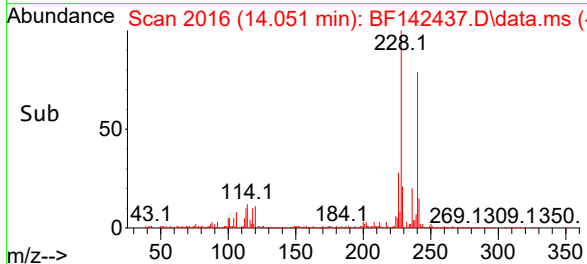
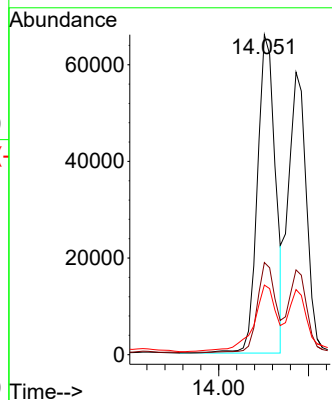
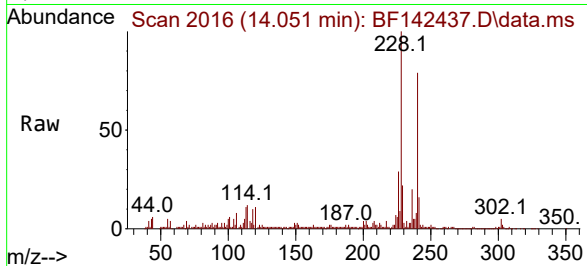
SU-04-051425

Tgt Ion:228 Resp: 9157
Ion Ratio Lower Upper
228 100
226 28.8 21.5 32.3
229 21.8 15.9 23.9

Manual Integrations

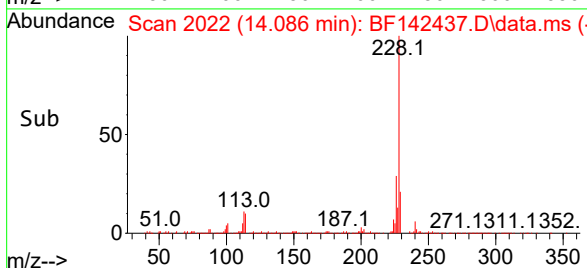
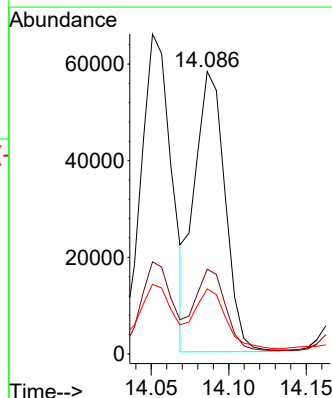
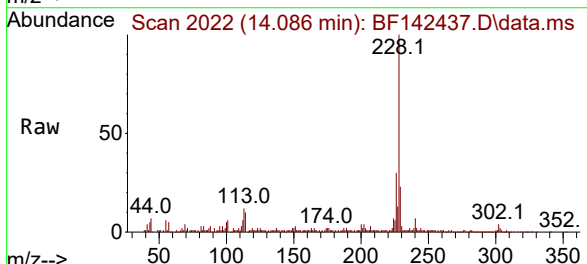
APPROVED

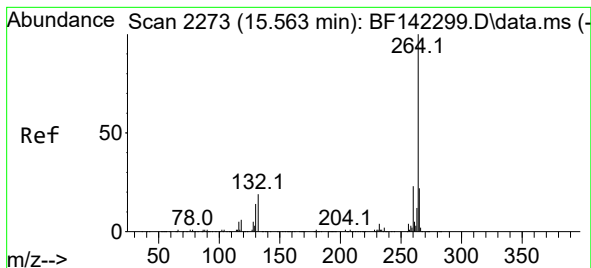
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025



#83
Chrysene
Concen: 6.726 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.012 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

Tgt Ion:228 Resp: 79906
Ion Ratio Lower Upper
228 100
226 30.0 23.9 35.9
229 23.1 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Instrument :

BNA_F

ClientSampleId :

SU-04-051425

Tgt Ion: 264 Resp: 16002

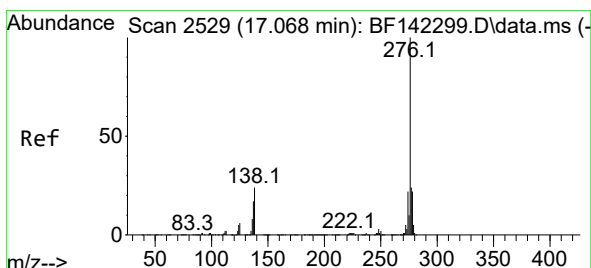
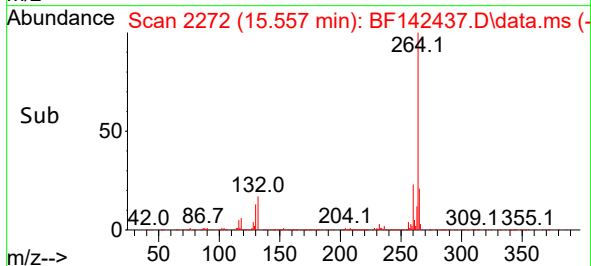
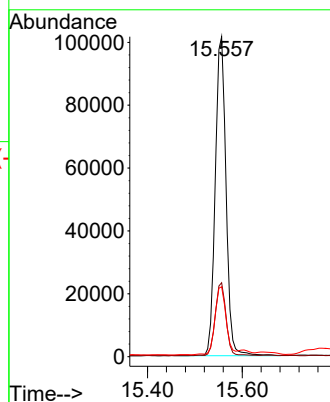
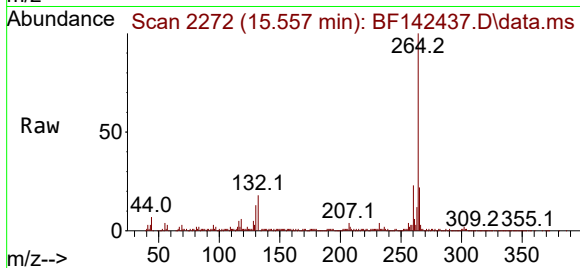
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.9	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.156 ng

RT: 17.051 min Scan# 2526

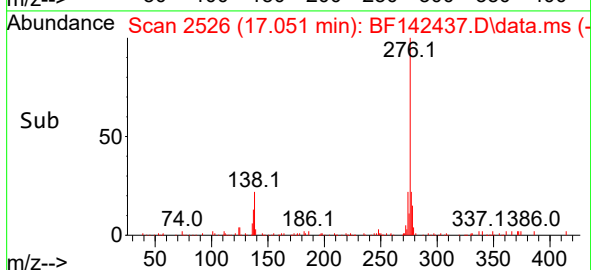
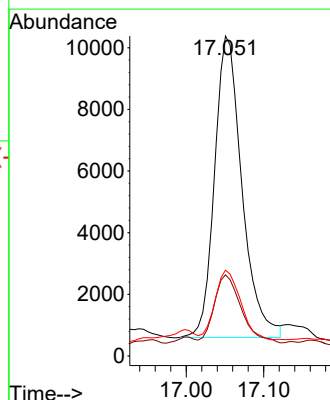
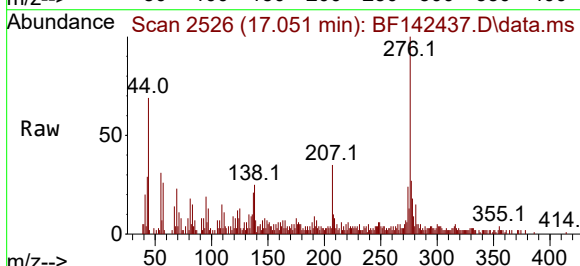
Delta R.T. -0.018 min

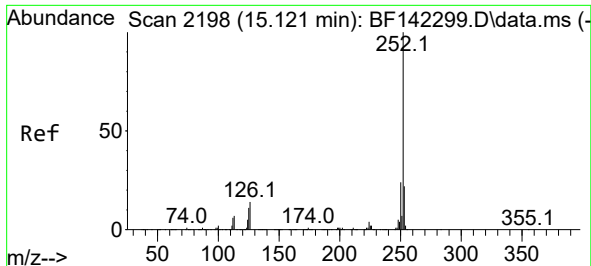
Lab File: BF142437.D

Acq: 16 May 2025 20:09

Tgt Ion: 276 Resp: 23997

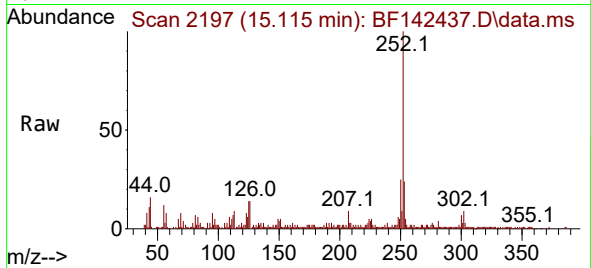
Ion	Ratio	Lower	Upper
276	100		
138	21.9	22.0	33.0#
277	21.8	20.1	30.1





#88
Benzo(b)fluoranthene
Concen: 6.943 ng m
RT: 15.115 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09

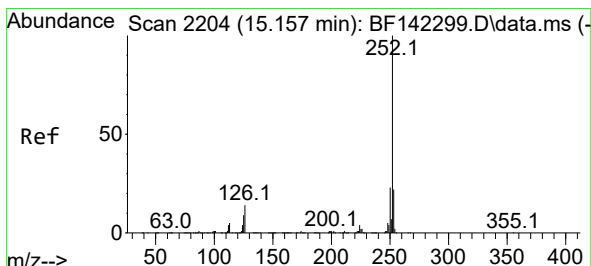
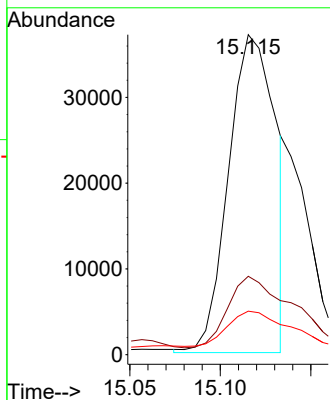
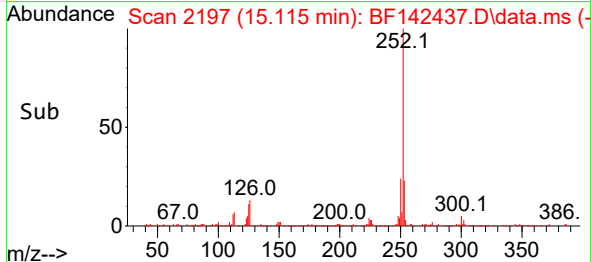
Instrument :
BNA_F
ClientSampleId :
SU-04-051425



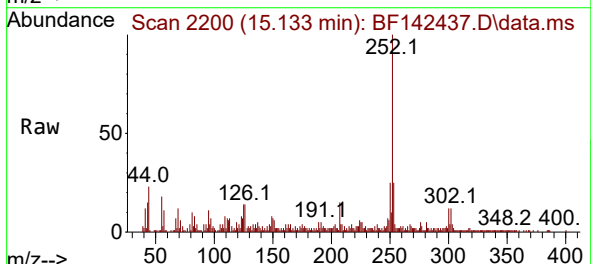
Tgt Ion:252 Resp: 67290
Ion Ratio Lower Upper
252 100
253 24.5 17.7 26.5
125 13.6 8.7 13.1

Manual Integrations
APPROVED

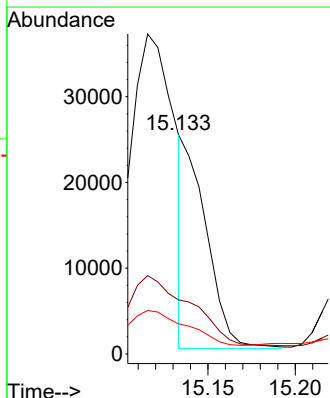
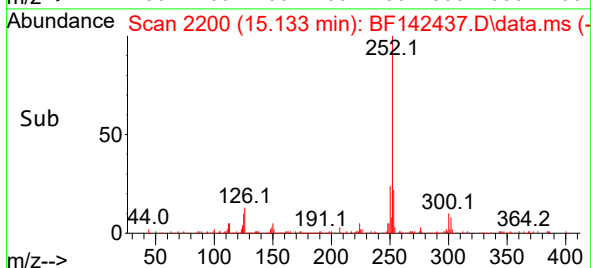
Reviewed By :Rahul Chavli 05/19/2025
Supervised By :Jagrut Upadhyay 05/19/2025

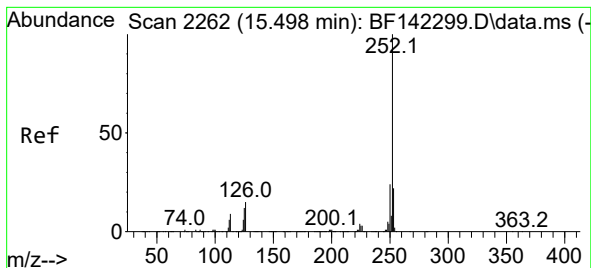


#89
Benzo(k)fluoranthene
Concen: 2.504 ng m
RT: 15.133 min Scan# 2200
Delta R.T. -0.024 min
Lab File: BF142437.D
Acq: 16 May 2025 20:09



Tgt Ion:252 Resp: 22206
Ion Ratio Lower Upper
252 100
253 24.7 17.6 26.4
125 13.7 8.1 12.1





#90

Benzo(a)pyrene

Concen: 6.173 ng

RT: 15.486 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Instrument :

BNA_F

ClientSampleId :

SU-04-051425

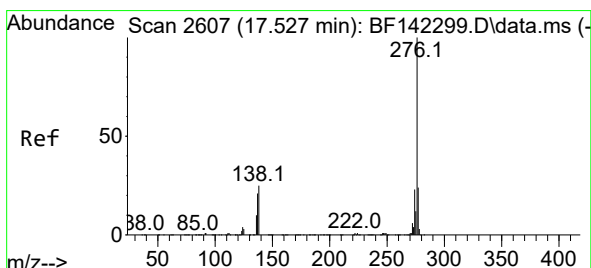
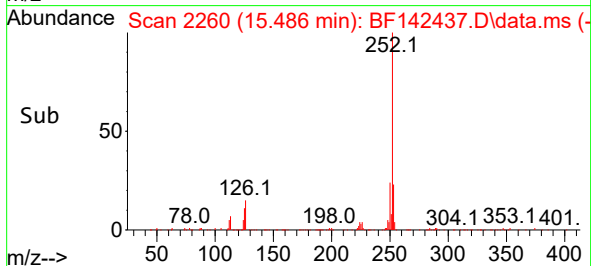
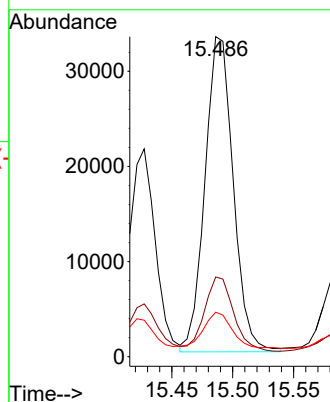
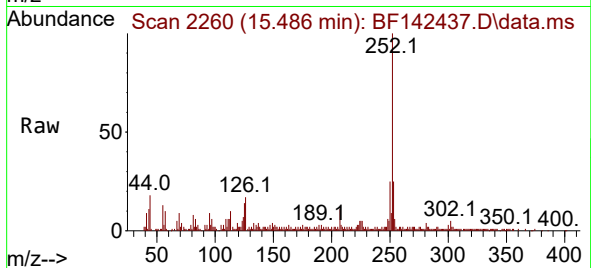
Tgt Ion:252	Resp:	5361
Ion Ratio	Lower	Upper
252	100	
253	24.9	17.8 26.6
125	13.9	9.4 14.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/19/2025

Supervised By :Jagrut Upadhyay 05/19/2025



#92

Benzo(g,h,i)perylene

Concen: 2.665 ng

RT: 17.504 min Scan# 2603

Delta R.T. -0.024 min

Lab File: BF142437.D

Acq: 16 May 2025 20:09

Tgt Ion:276	Resp:	24323
Ion Ratio	Lower	Upper
276	100	
277	25.1	19.0 28.6
138	27.5	19.8 29.6

