

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
 Data File : BF142635.D
 Acq On : 05 Jun 2025 15:36
 Operator : RC/JU
 Sample : Q2199-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11978

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

Quant Time: Jun 05 16:39:36 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	128508	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	441224	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	192303	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	266025	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	286264	20.000	ng	-0.01
86) Perylene-d12	15.563	264	305176	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	581899	76.288	ng	0.00
7) Phenol-d6	6.522	99	676388	73.665	ng	-0.01
23) Nitrobenzene-d5	7.457	82	402061	49.689	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	141302	66.205	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	797978	55.682	ng	-0.02
79) Terphenyl-d14	13.004	244	682686	32.590	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.445	178	77696	5.465	ng	98
75) Fluoranthene	12.633	202	156640	11.791	ng	98
78) Pyrene	12.863	202	145847	5.462	ng	98
81) Benzo(a)anthracene	14.057	228	116555	6.097	ng	93
83) Chrysene	14.086	228	109645	6.383	ng	97
84) Bis(2-ethylhexyl)phtha...	14.039	149	20458	2.166	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	59532	2.598	ng	97
88) Benzo(b)fluoranthene	15.115	252	276117m	15.287	ng	
89) Benzo(k)fluoranthene	15.139	252	65124m	3.850	ng	
90) Benzo(a)pyrene	15.492	252	136094	7.994	ng	97
92) Benzo(g,h,i)perylene	17.515	276	51733	2.783	ng	95

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

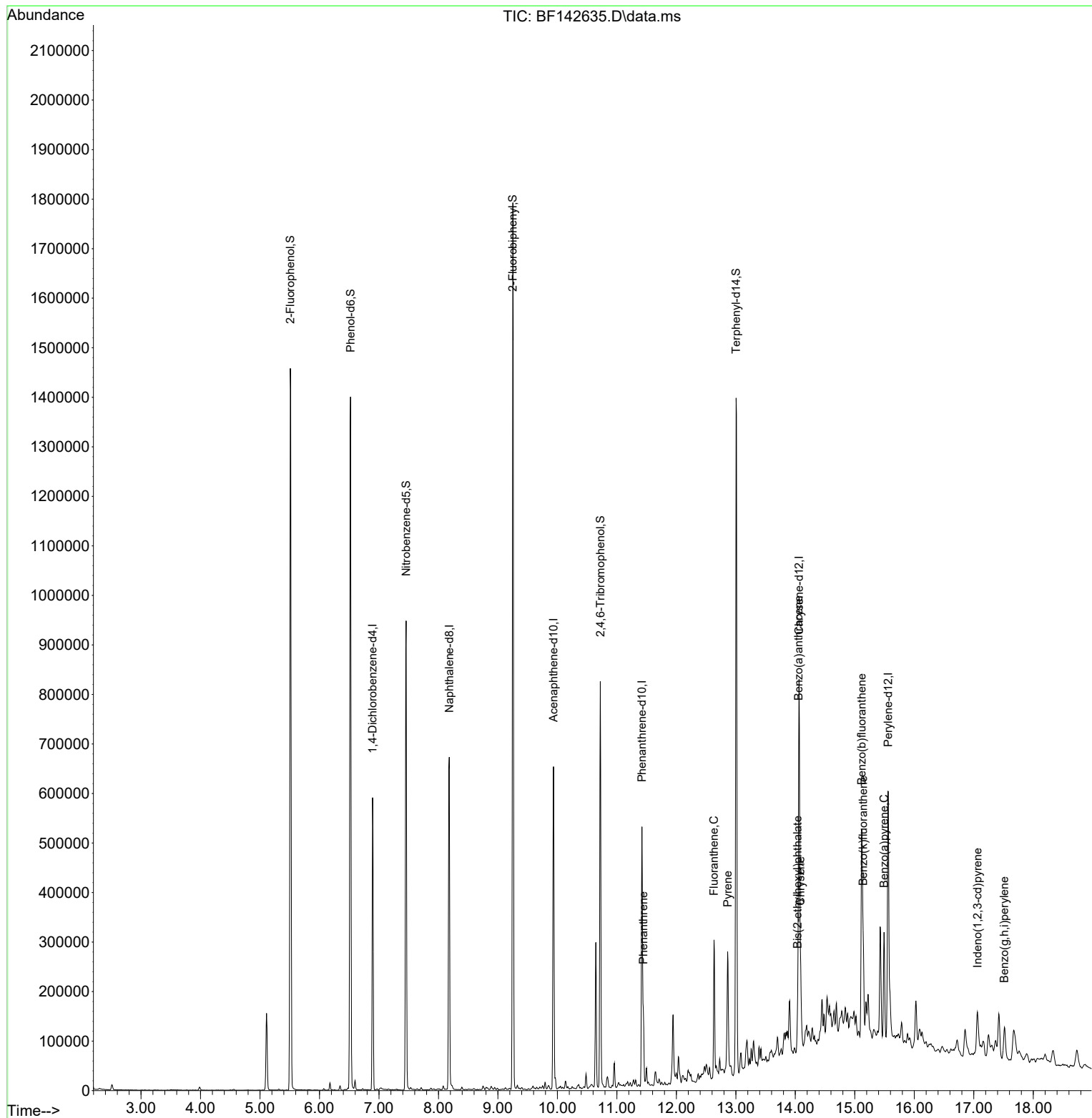
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060525\
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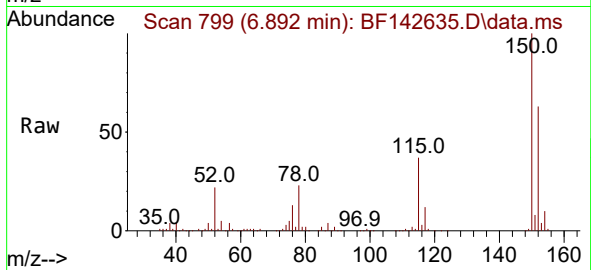
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

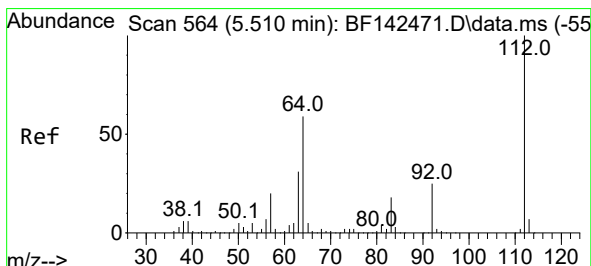
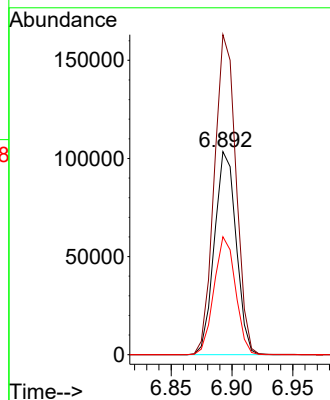
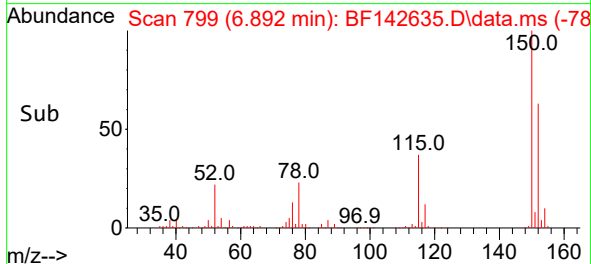
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:152 Resp: 128508
Ion Ratio Lower Upper
152 100
150 157.6 128.2 192.4
115 58.1 48.3 72.5

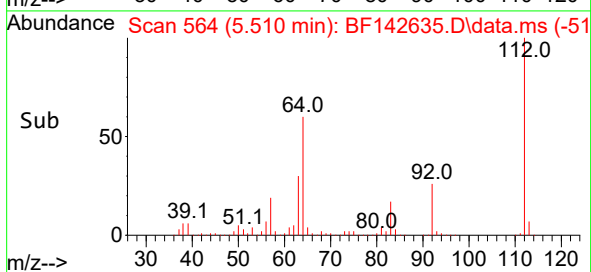
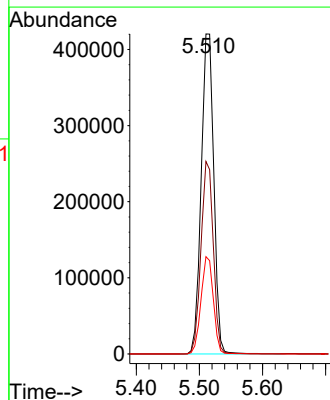
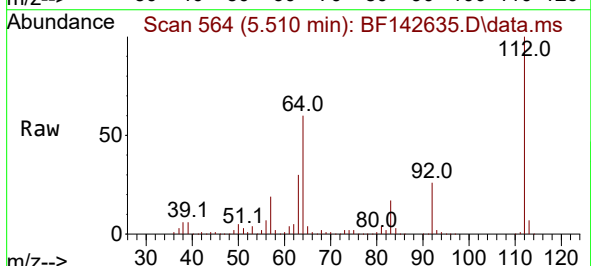
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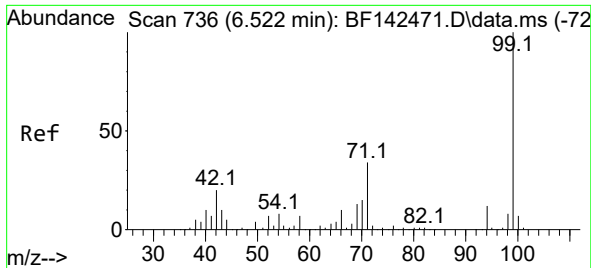
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#5
2-Fluorophenol
Concen: 76.288 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

Tgt Ion:112 Resp: 581899
Ion Ratio Lower Upper
112 100
64 60.2 47.5 71.3
63 30.4 24.9 37.3





#7

Phenol-d6

Concen: 73.665 ng

RT: 6.522 min Scan# 71

Delta R.T. -0.012 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

Instrument :

BNA_F

ClientSampleId :

72-11978

Tgt Ion: 99 Resp: 67638

Ion Ratio Lower Upper

99 100

42 19.0 16.2 24.2

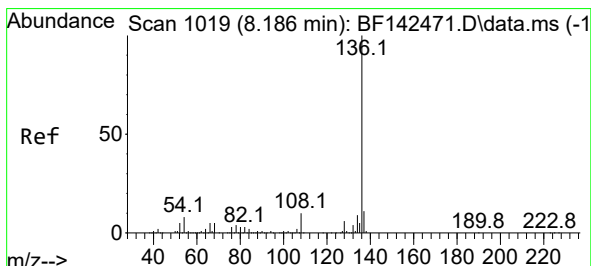
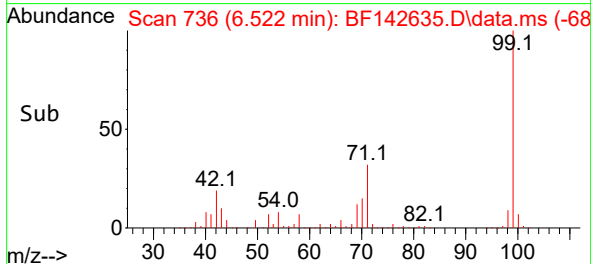
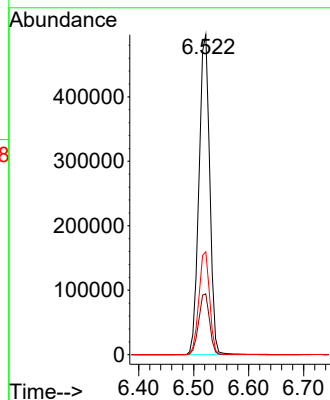
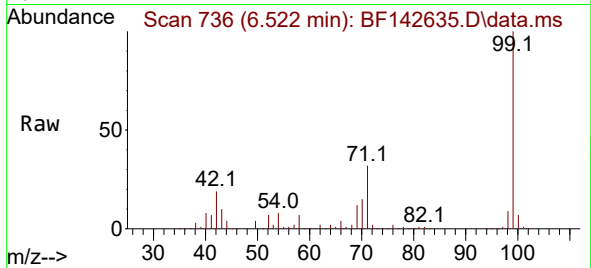
71 32.2 27.3 40.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/06/2025



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.181 min Scan# 1018

Delta R.T. -0.006 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

Tgt Ion:136 Resp: 441224

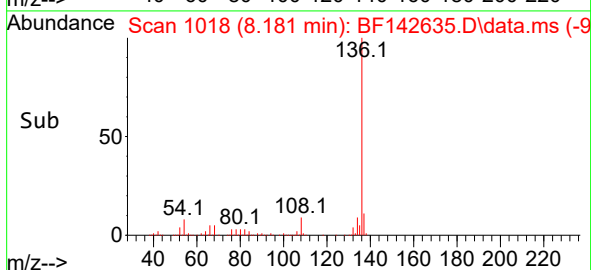
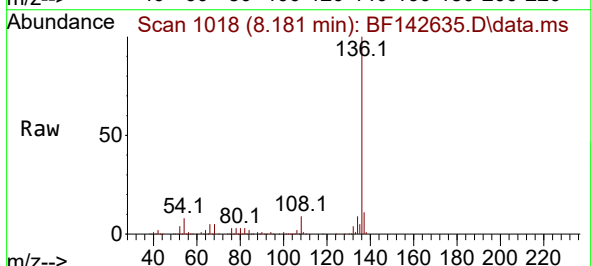
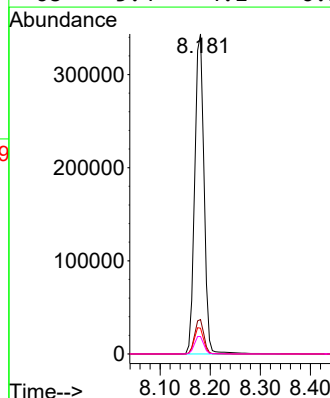
Ion Ratio Lower Upper

136 100

137 10.7 8.6 13.0

54 8.0 6.6 10.0

68 5.4 4.1 6.1





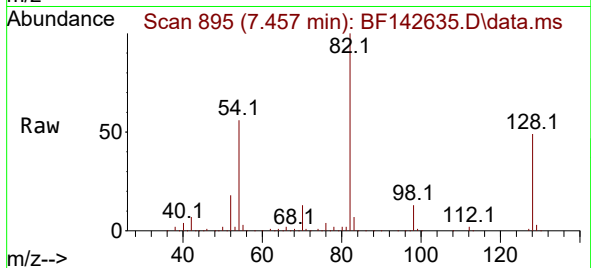
#23
Nitrobenzene-d5
Concen: 49.689 ng
RT: 7.457 min Scan# 896
Delta R.T. -0.017 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

Instrument :

BNA_F

ClientSampleId :

72-11978



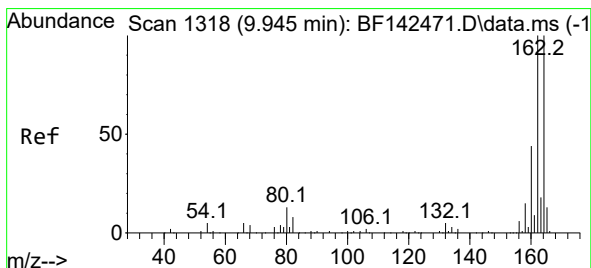
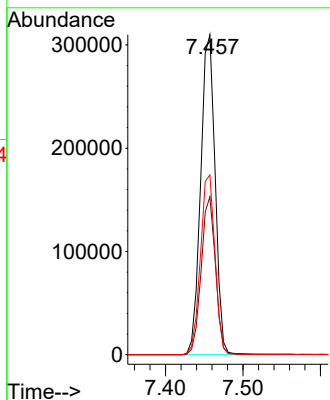
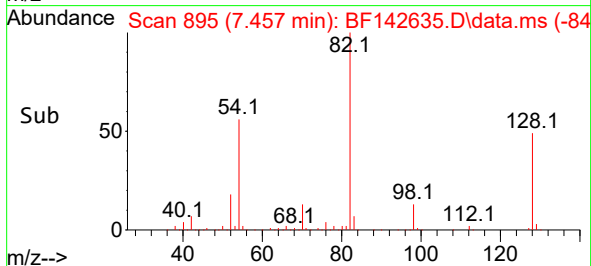
Tgt Ion: 82 Resp: 40206
Ion Ratio Lower Upper
82 100
128 49.3 37.4 56.2
54 56.2 46.6 70.0

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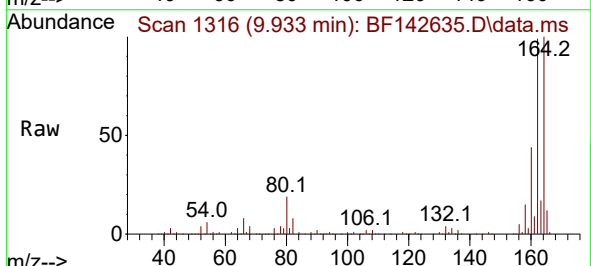
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Reviewed By :Rahul Chavli 06/06/2025

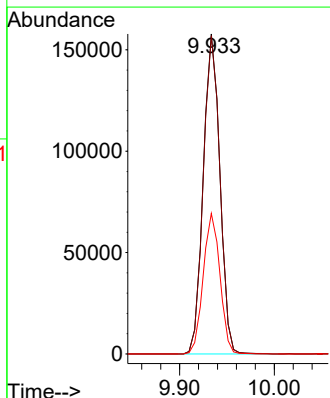
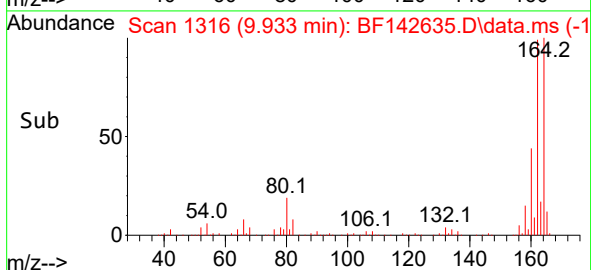
Supervised By :Jagrut Upadhyay 06/06/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36



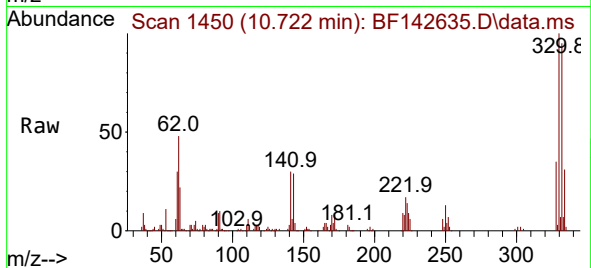
Tgt Ion:164 Resp: 192303
Ion Ratio Lower Upper
164 100
162 99.4 80.2 120.4
160 43.9 35.6 53.4





#42
2,4,6-Tribromophenol
Concen: 66.205 ng
RT: 10.722 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

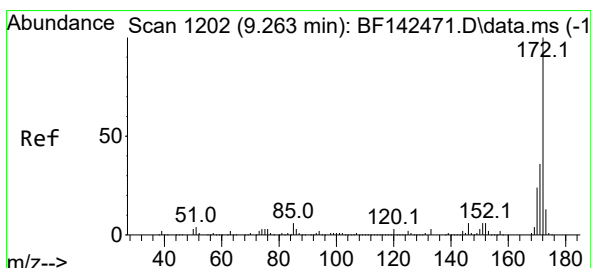
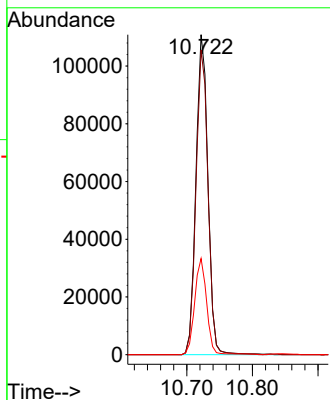
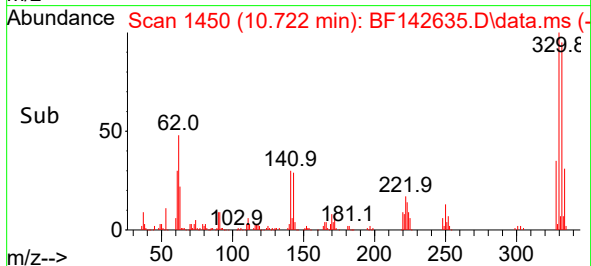
Instrument :
BNA_F
ClientSampleId :
72-11978



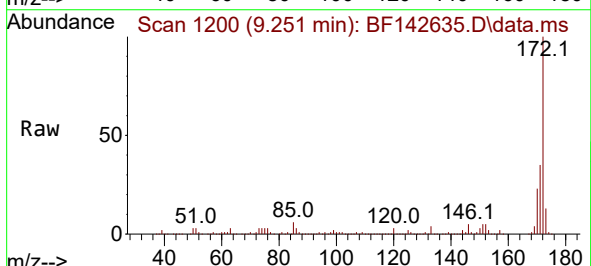
Tgt Ion: 330 Resp: 141302
Ion Ratio Lower Upper
330 100
332 95.6 77.6 116.4
141 30.1 24.6 36.8

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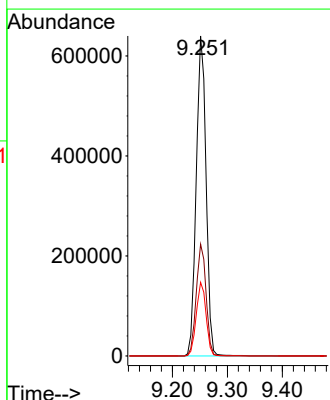
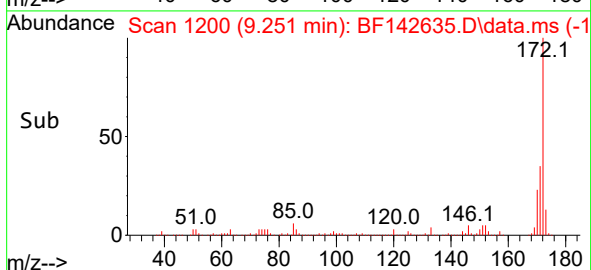
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

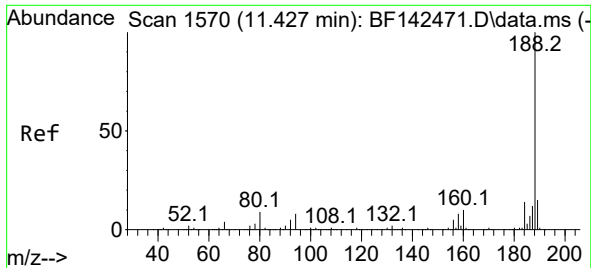


#45
2-Fluorobiphenyl
Concen: 55.682 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36



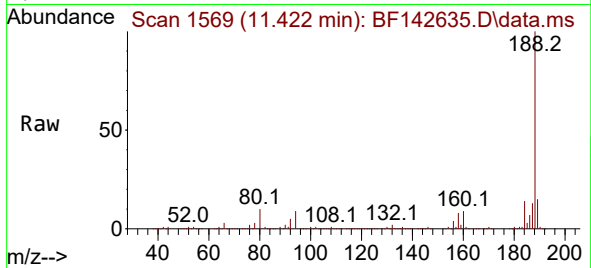
Tgt Ion: 172 Resp: 797978
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.0 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

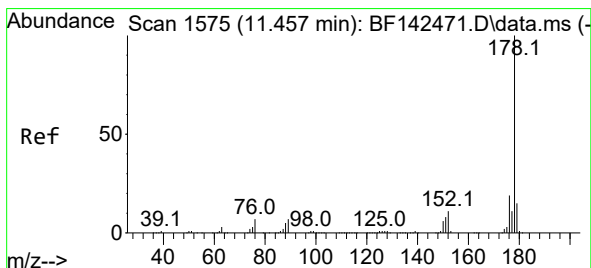
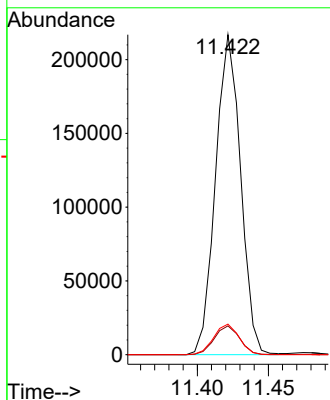
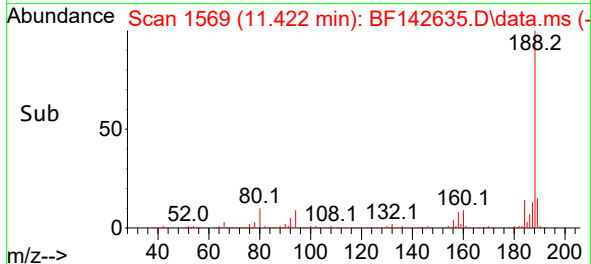
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:188 Resp: 266025
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 9.6 7.4 11.0

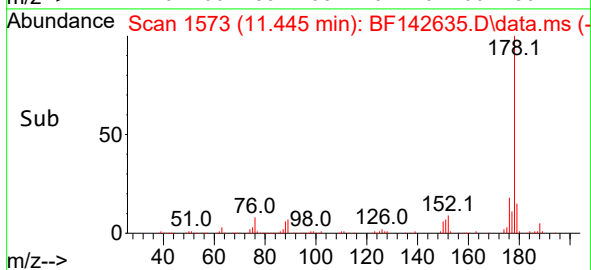
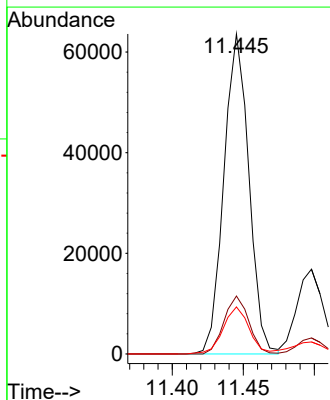
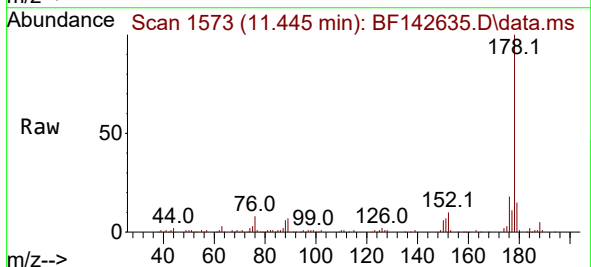
Manual Integrations
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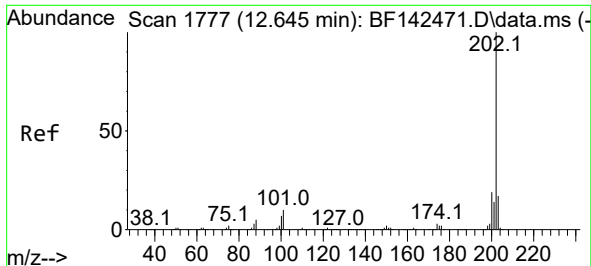
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#71
Phenanthrene
Concen: 5.465 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

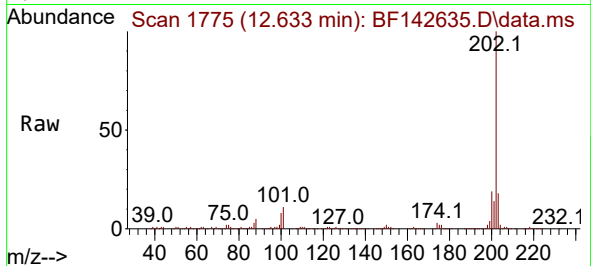
Tgt Ion:178 Resp: 77696
Ion Ratio Lower Upper
178 100
176 18.1 15.4 23.0
179 14.7 12.3 18.5





#75
Fluoranthene
Concen: 11.791 ng
RT: 12.633 min Scan# 1775
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

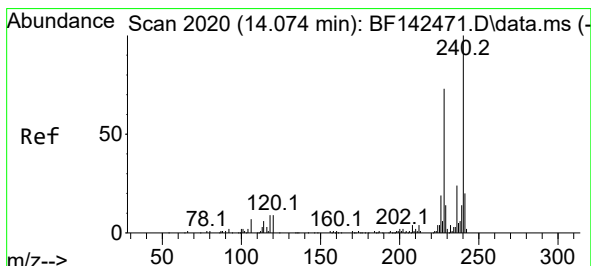
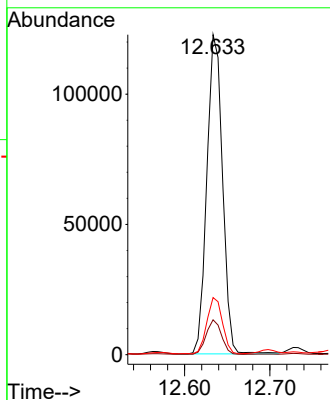
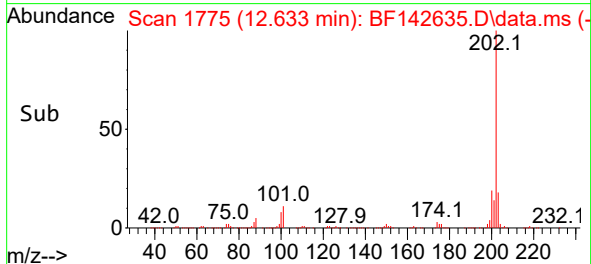
Instrument :
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72-11978



Tgt Ion:202 Resp: 156640
Ion Ratio Lower Upper
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101 10.9 0.0 29.6
203 17.9 0.0 37.2

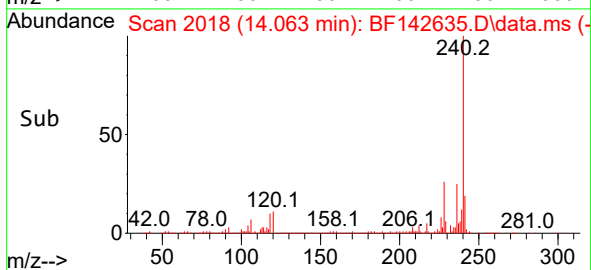
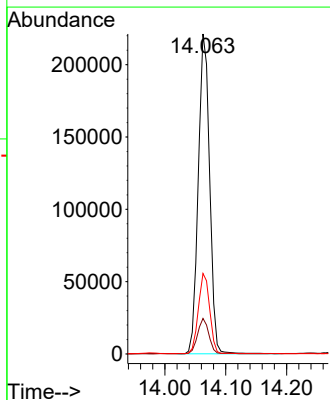
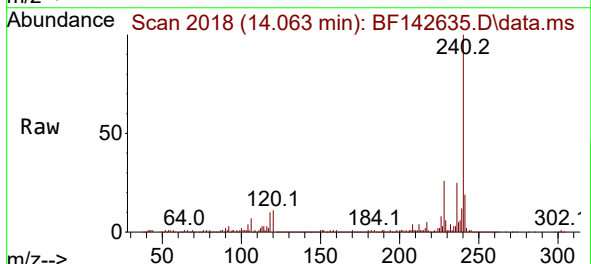
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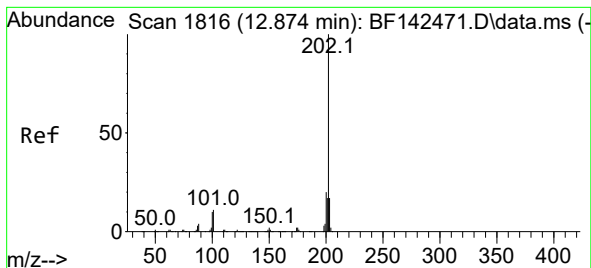
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

Tgt Ion:240 Resp: 286264
Ion Ratio Lower Upper
240 100
120 11.1 7.5 11.3
236 25.2 19.6 29.4





#78

Pyrene

Concen: 5.462 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

Instrument :

BNA_F

ClientSampleId :

72-11978

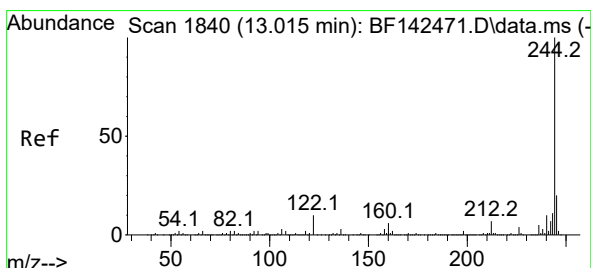
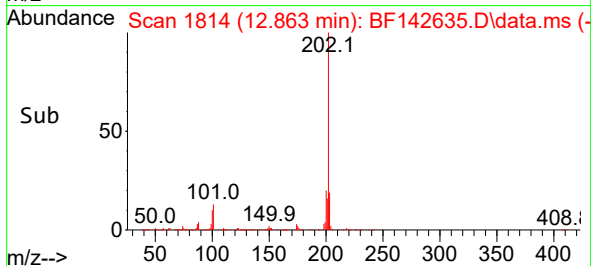
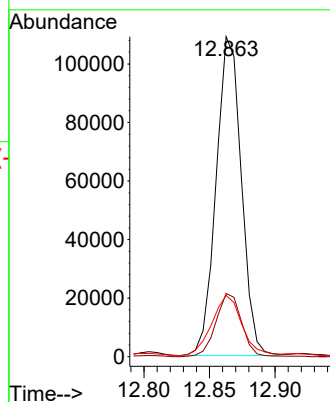
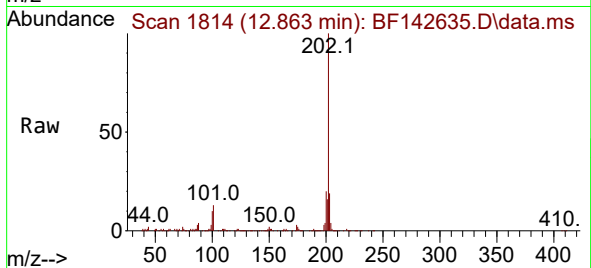
Tgt Ion:	202	Resp:	14584
Ion Ratio	Lower	Upper	
202	100		
200	19.8	16.1	24.1
203	19.2	13.9	20.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 06/06/2025



#79

Terphenyl-d14

Concen: 32.590 ng

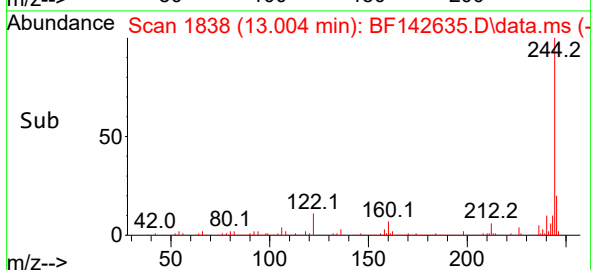
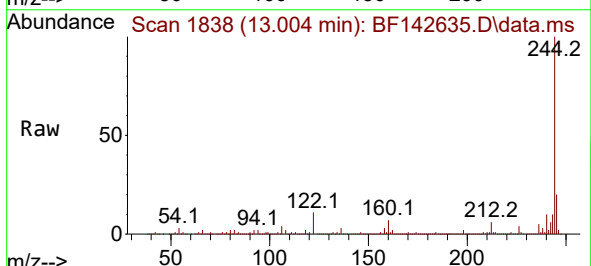
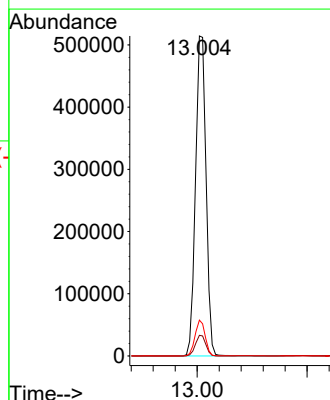
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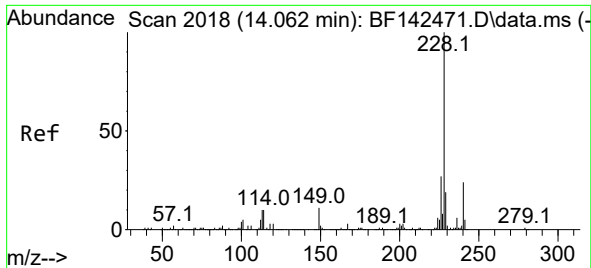
Delta R.T. -0.012 min

Lab File: BF142635.D

Acq: 05 Jun 2025 15:36

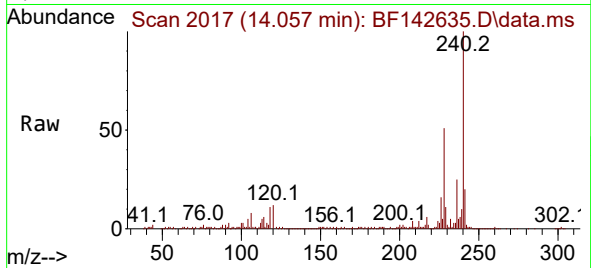
Tgt Ion:	244	Resp:	682686
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.3	7.9
122	11.2	8.2	12.2





#81
Benzo(a)anthracene
Concen: 6.097 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

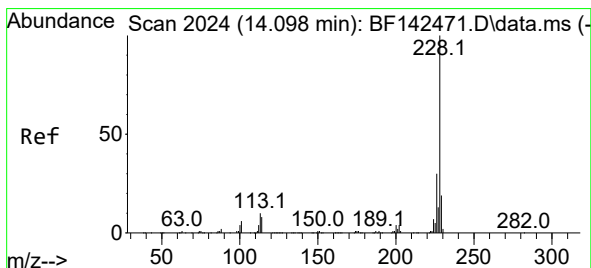
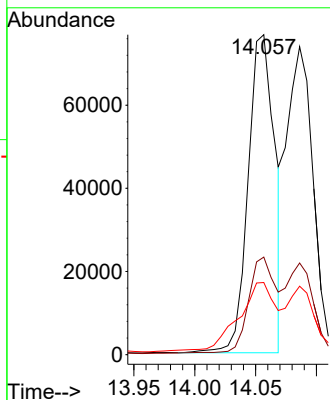
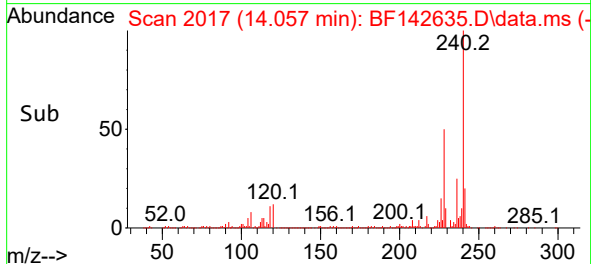
Instrument :
BNA_F
ClientSampleId :
72-11978



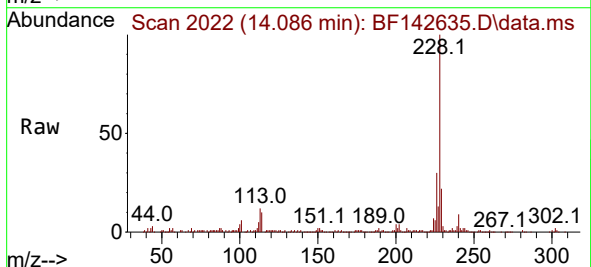
Tgt Ion:228 Resp: 11655
Ion Ratio Lower Upper
228 100
226 30.5 21.2 31.8
229 22.5 15.5 23.3

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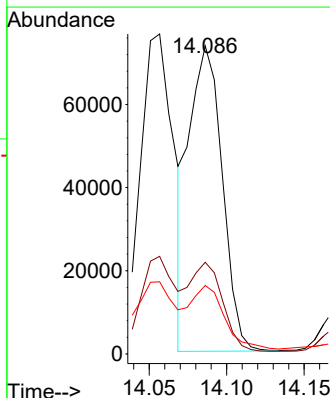
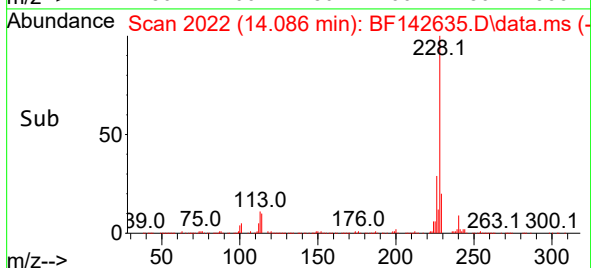
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

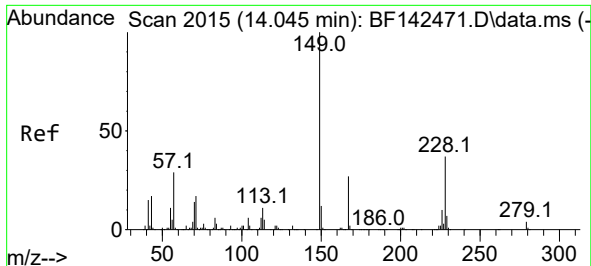


#83
Chrysene
Concen: 6.383 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.018 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36



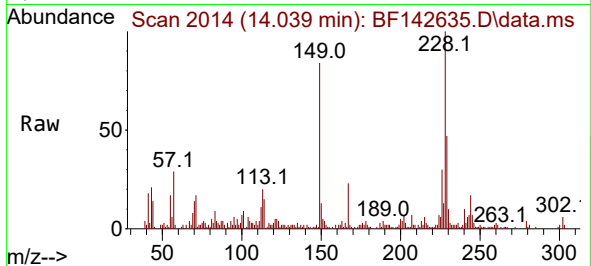
Tgt Ion:228 Resp: 109645
Ion Ratio Lower Upper
228 100
226 29.8 23.8 35.6
229 22.2 15.4 23.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.166 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

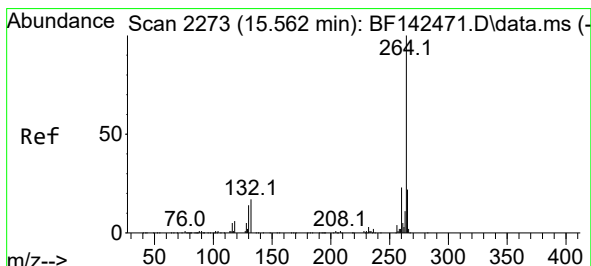
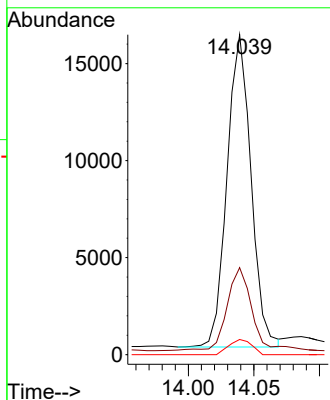
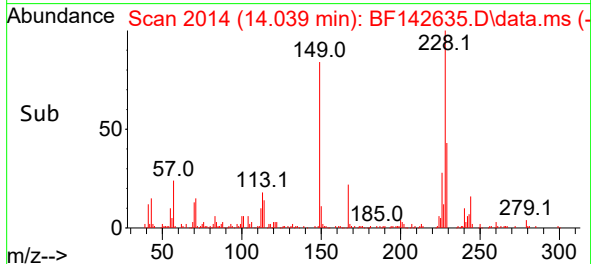
Instrument :
BNA_F
ClientSampleId :
72-11978



Tgt Ion:149 Resp: 20458
Ion Ratio Lower Upper
149 100
167 27.2 21.5 32.3
279 4.8 3.2 4.8

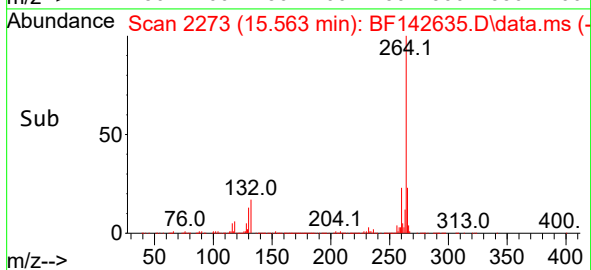
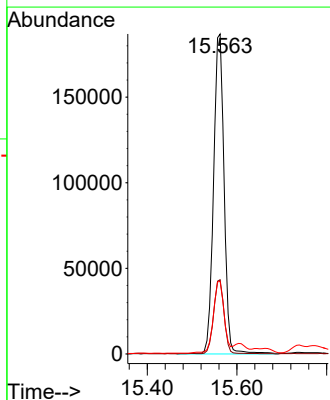
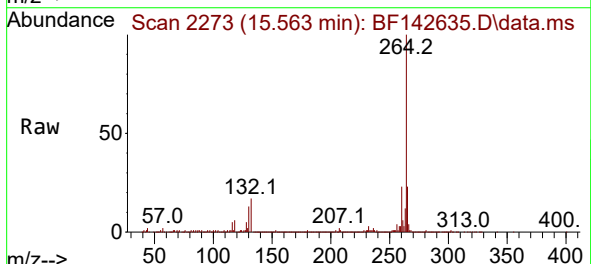
Manual Integrations
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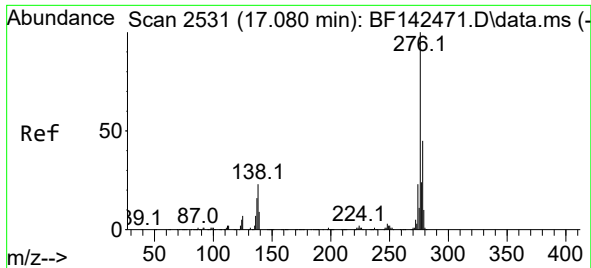
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.006 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

Tgt Ion:264 Resp: 305176
Ion Ratio Lower Upper
264 100
260 23.2 18.6 28.0
265 22.7 17.7 26.5





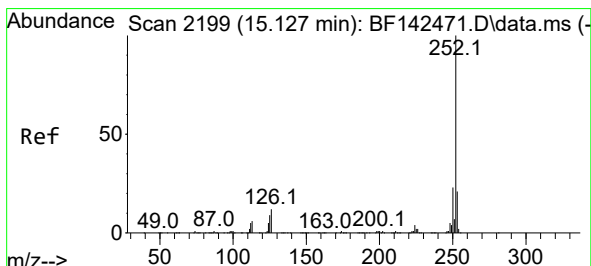
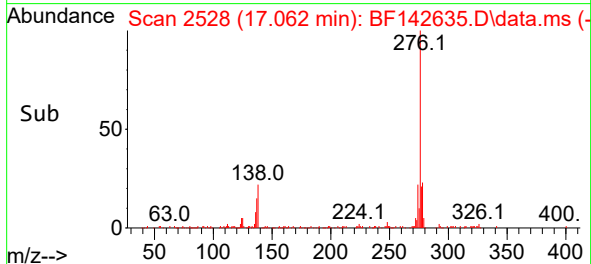
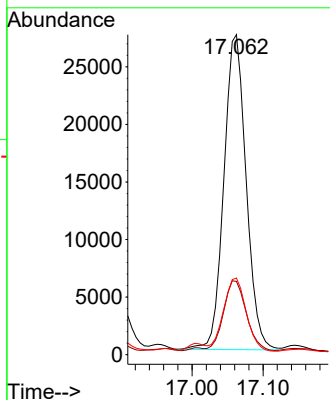
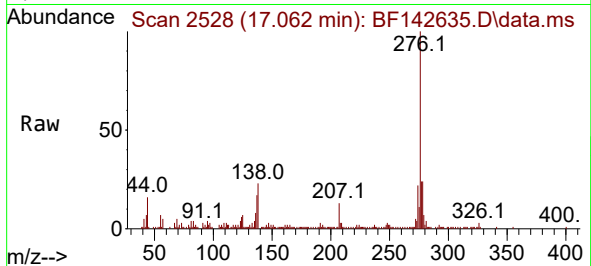
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.598 ng
RT: 17.062 min Scan# 2197
Delta R.T. -0.029 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

Instrument :
BNA_F
ClientSampleId :
72-11978

Tgt Ion:276 Resp: 5953
Ion Ratio Lower Upper
276 100
138 23.4 19.9 29.9
277 23.6 20.2 30.2

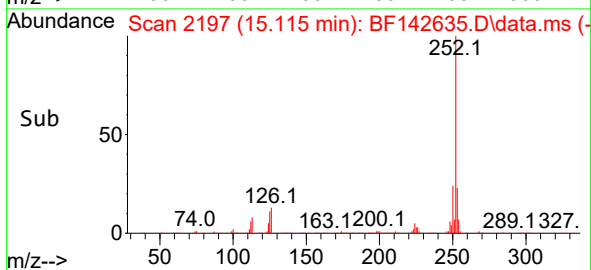
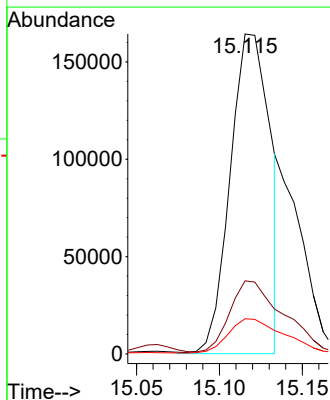
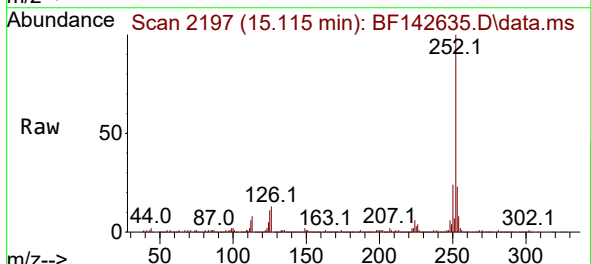
Manual Integrations
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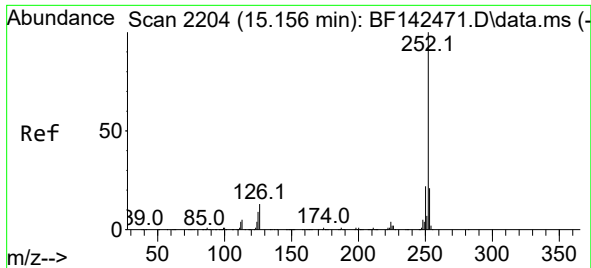
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025



#88
Benzo(b)fluoranthene
Concen: 15.287 ng m
RT: 15.115 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

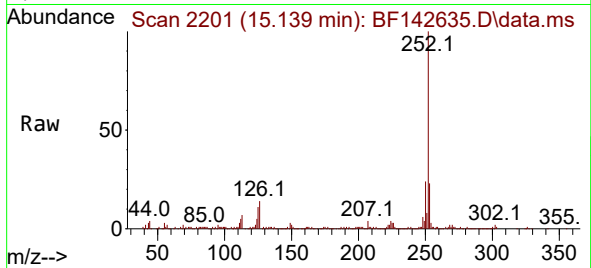
Tgt Ion:252 Resp: 276117
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 11.0 7.4 11.0





#89
Benzo(k)fluoranthene
Concen: 3.850 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36

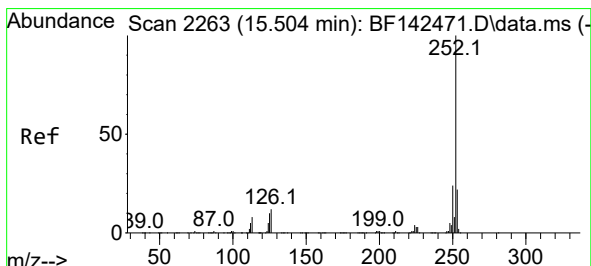
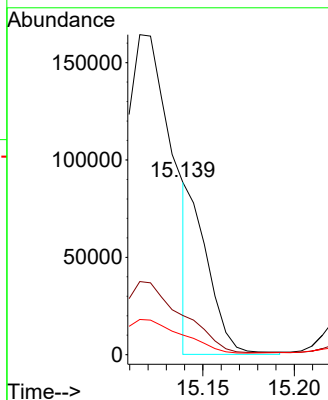
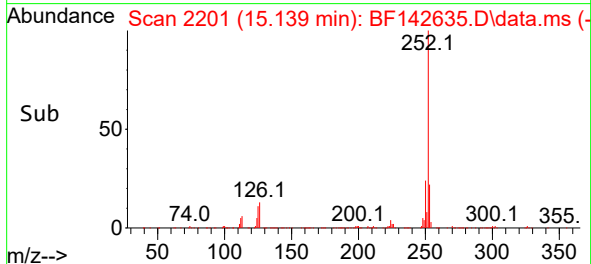
Instrument :
BNA_F
ClientSampleId :
72-11978



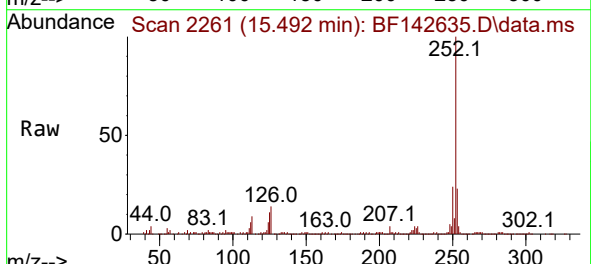
Tgt Ion:252 Resp: 65124
Ion Ratio Lower Upper
252 100
253 22.7 17.0 25.4
125 11.4 7.3 10.9

Manual Integrations
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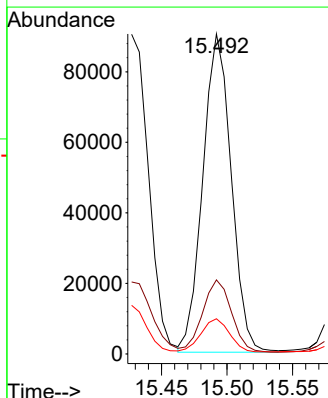
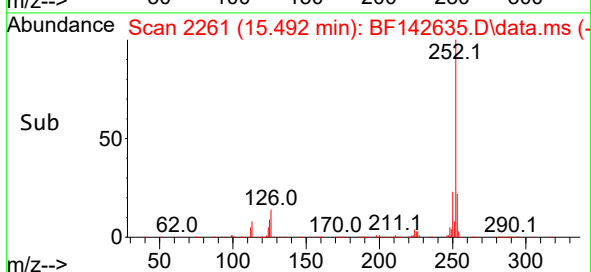
Reviewed By :Rahul Chavli 06/06/2025
Supervised By :Jagrut Upadhyay 06/06/2025

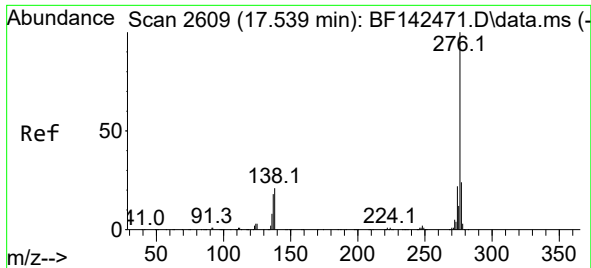


#90
Benzo(a)pyrene
Concen: 7.994 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.018 min
Lab File: BF142635.D
Acq: 05 Jun 2025 15:36



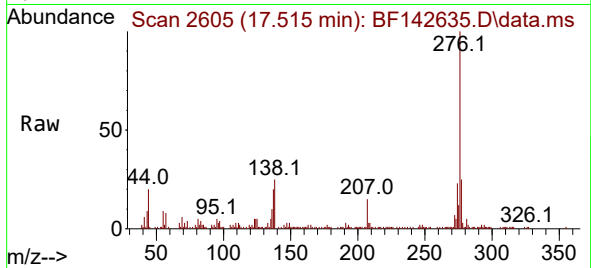
Tgt Ion:252 Resp: 136094
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 11.0 7.9 11.9





#92
 Benzo(g,h,i)perylene
 Concen: 2.783 ng
 RT: 17.515 min Scan# 20
 Delta R.T. -0.041 min
 Lab File: BF142635.D
 Acq: 05 Jun 2025 15:36

Instrument :
 BNA_F
 ClientSampleId :
 72-11978



Tgt Ion:276 Resp: 5173
 Ion Ratio Lower Upper
 276 100
 277 25.0 19.2 28.8
 138 25.0 16.8 25.2

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/06/2025
 Supervised By :Jagrut Upadhyay 06/06/2025

