

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142684.D
 Acq On : 07 Jun 2025 11:26
 Operator : RC/JU
 Sample : Q2225-01 5X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-06042025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/09/2025
 Supervised By :Jagrut Upadhyay 06/09/2025

Quant Time: Jun 09 01:05:17 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	6.893	152	99220	20.000	ng	-0.01
21) Naphthalene-d8	8.181	136	320418	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	143985	20.000	ng	-0.01
64) Phenanthrene-d10	11.428	188	266778	20.000	ng	0.00
76) Chrysene-d12	14.069	240	197785	20.000	ng	0.00
86) Perylene-d12	15.568	264	149506	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	148999	25.300	ng	-0.01
7) Phenol-d6	6.516	99	164981	23.272	ng	-0.02
23) Nitrobenzene-d5	7.451	82	90712	15.437	ng	-0.02
42) 2,4,6-Tribromophenol	10.722	330	41288	25.836	ng	-0.02
45) 2-Fluorobiphenyl	9.251	172	196370	18.301	ng	-0.02
79) Terphenyl-d14	13.010	244	240106	16.590	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	137738	9.661	ng	98
72) Anthracene	11.498	178	43448	2.986	ng	99
75) Fluoranthene	12.639	202	286925	21.538	ng	99
78) Pyrene	12.869	202	240780	13.050	ng	97
81) Benzo(a)anthracene	14.057	228	98416	7.452	ng	95
83) Chrysene	14.092	228	79665m	6.713	ng	
87) Indeno(1,2,3-cd)pyrene	17.080	276	33186	2.957	ng	95
88) Benzo(b)fluoranthene	15.127	252	75973m	8.586	ng	
89) Benzo(k)fluoranthene	15.139	252	36044m	4.349	ng	
90) Benzo(a)pyrene	15.504	252	59235	7.102	ng	# 90
92) Benzo(g,h,i)perylene	17.539	276	34183	3.754	ng	# 88

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

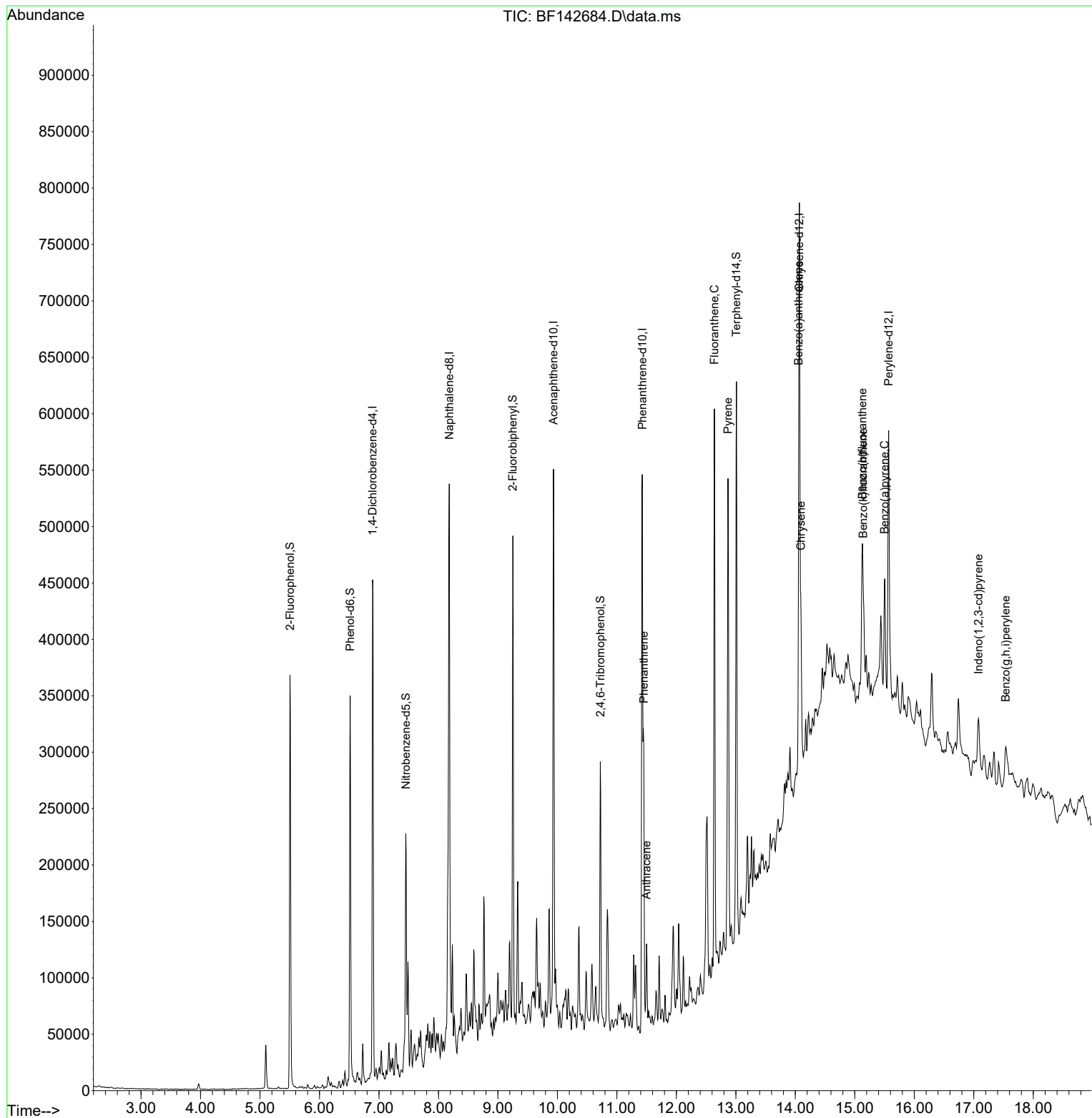
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142684.D
Acq On : 07 Jun 2025 11:26
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Misc :
ALS Vial : 45 Sample Multiplier: 1

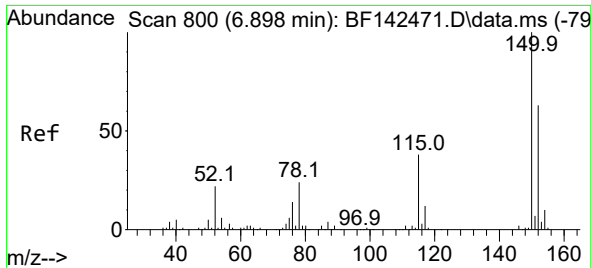
Instrument :
BNA_F
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SU-03-06042025

Quant Time: Jun 09 01:05:17 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
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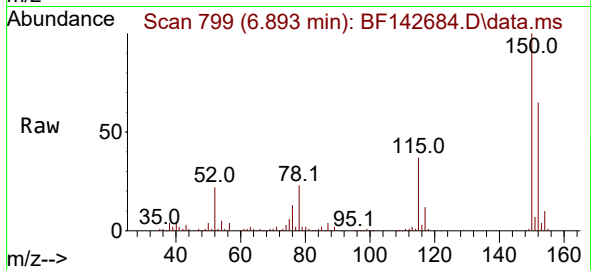
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.011 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

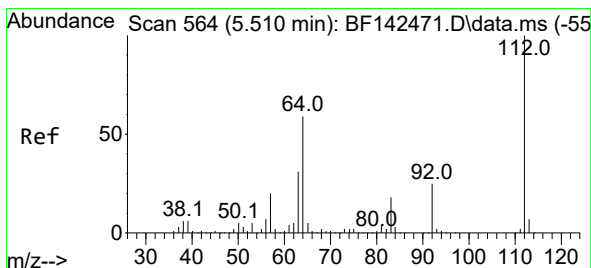
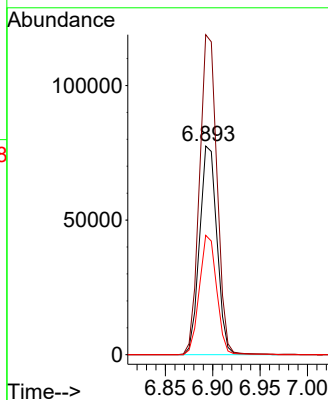
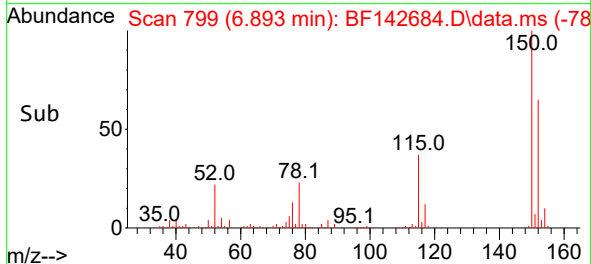
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025



Tgt Ion:152 Resp: 99220
Ion Ratio Lower Upper
152 100
150 153.3 128.2 192.4
115 57.2 48.3 72.5

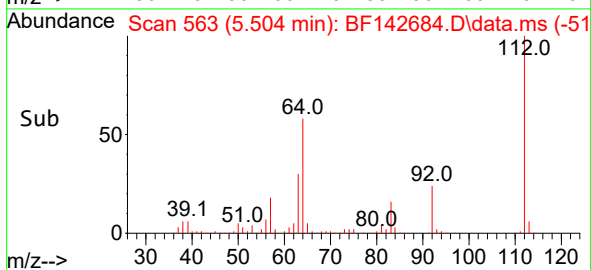
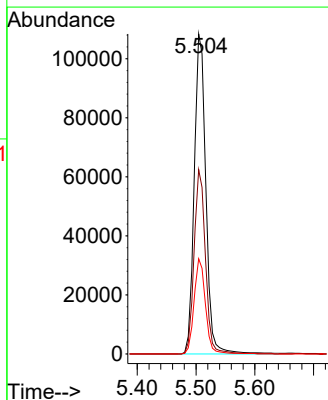
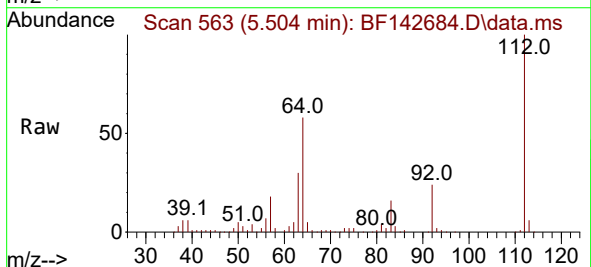
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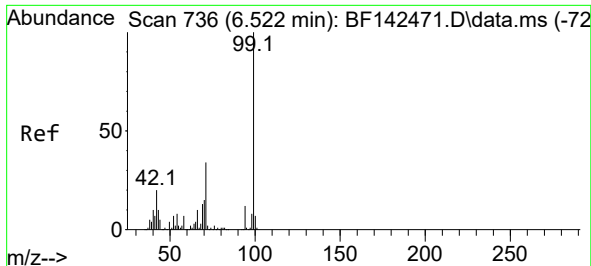
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#5
2-Fluorophenol
Concen: 25.300 ng
RT: 5.504 min Scan# 563
Delta R.T. -0.012 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

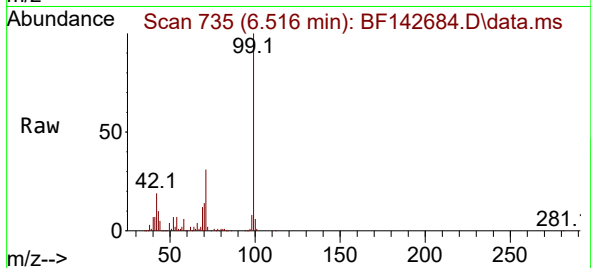
Tgt Ion:112 Resp: 148999
Ion Ratio Lower Upper
112 100
64 57.6 47.5 71.3
63 29.7 24.9 37.3





#7
Phenol-d6
Concen: 23.272 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.017 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

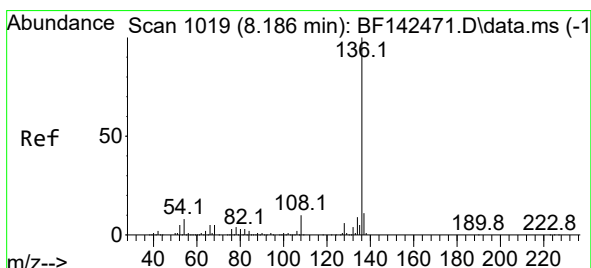
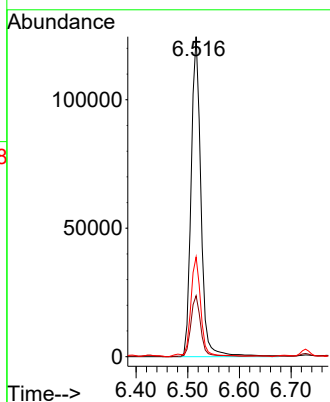
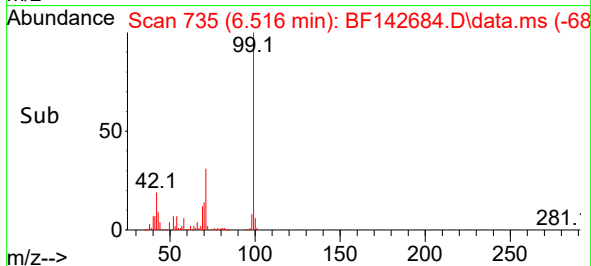
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025



Tgt Ion: 99 Resp: 16498
Ion Ratio Lower Upper
99 100
42 19.0 16.2 24.2
71 31.1 27.3 40.9

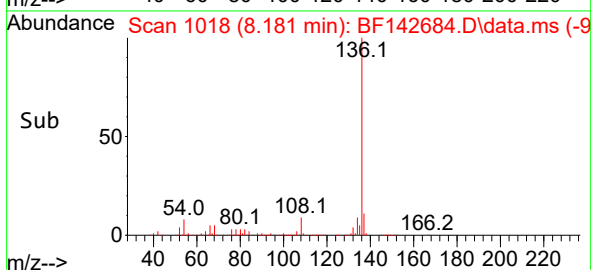
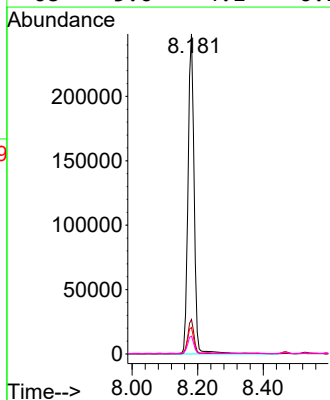
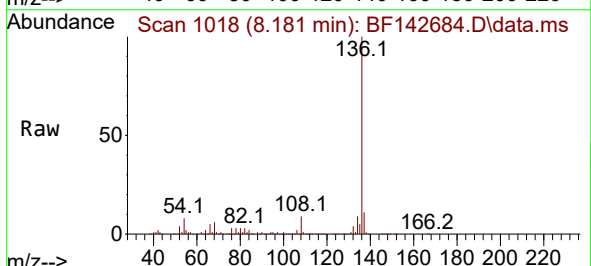
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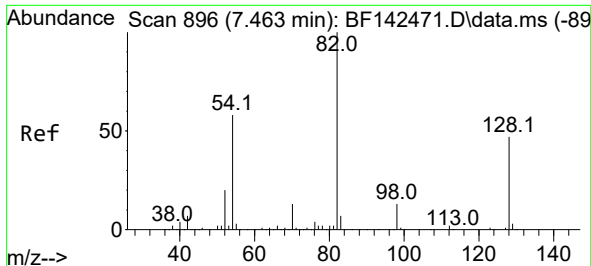
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

Tgt Ion:136 Resp: 320418
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.3 6.6 10.0
68 5.6 4.1 6.1





#23

Nitrobenzene-d5

Concen: 15.437 ng

RT: 7.451 min Scan# 896

Delta R.T. -0.023 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025

Tgt Ion: 82 Resp: 90712

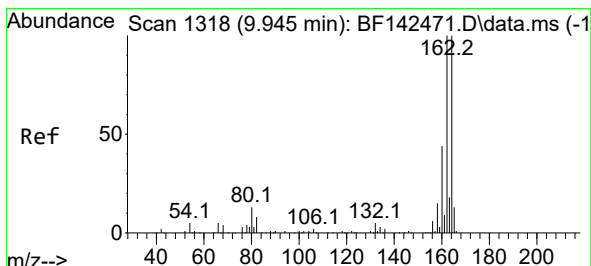
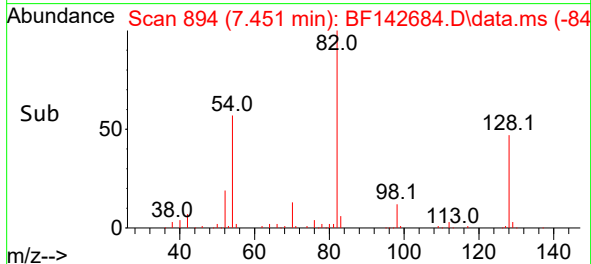
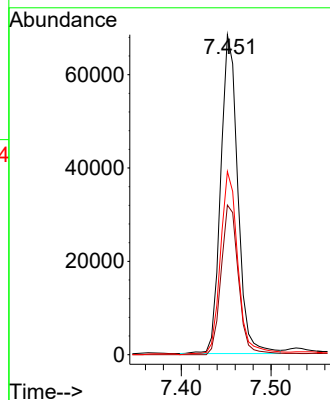
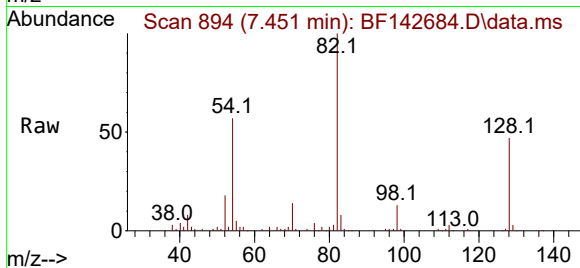
Ion	Ratio	Lower	Upper
82	100		
128	46.7	37.4	56.2
54	57.2	46.6	70.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1316

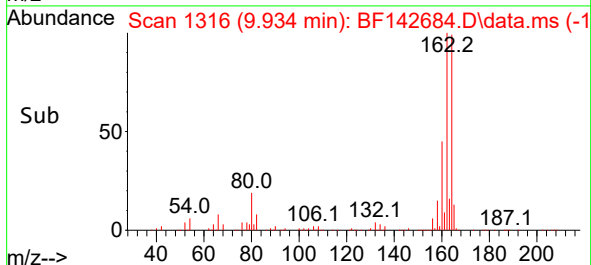
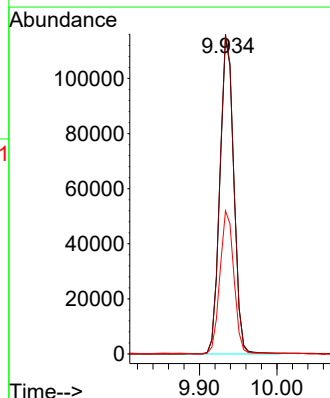
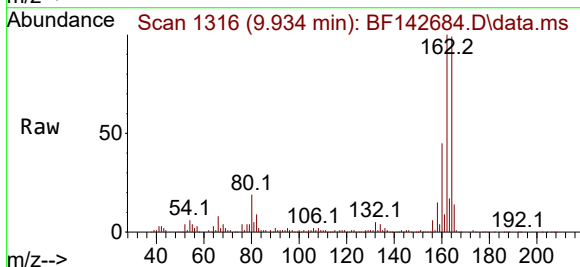
Delta R.T. -0.012 min

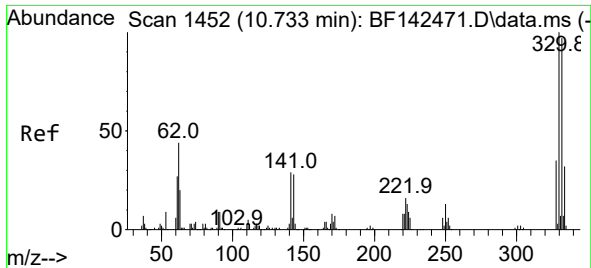
Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Tgt Ion:164 Resp: 143985

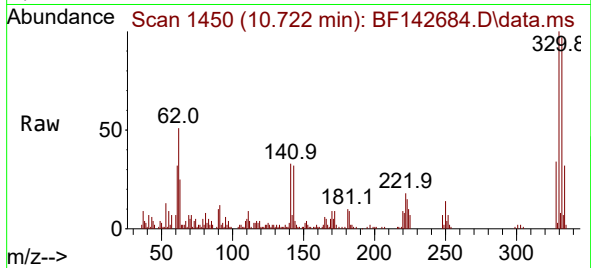
Ion	Ratio	Lower	Upper
164	100		
162	101.1	80.2	120.4
160	45.3	35.6	53.4





#42
2,4,6-Tribromophenol
Concen: 25.836 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.017 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

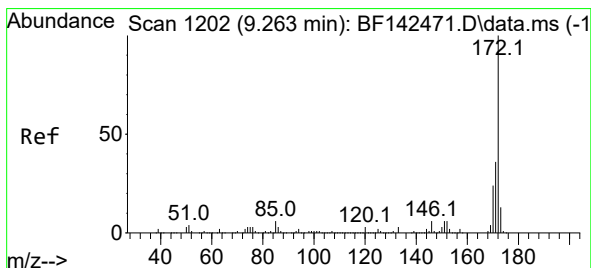
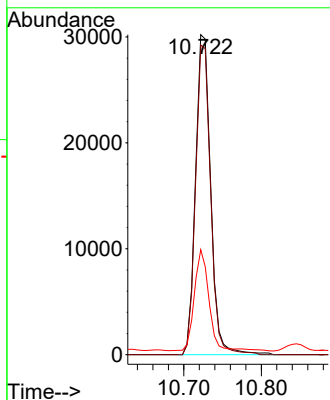
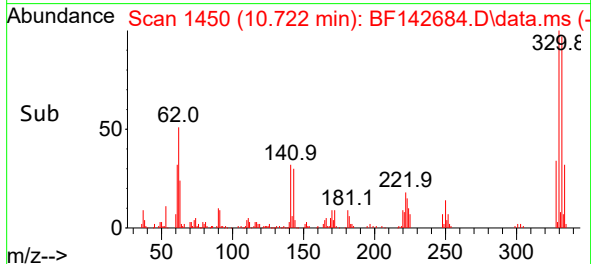
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025



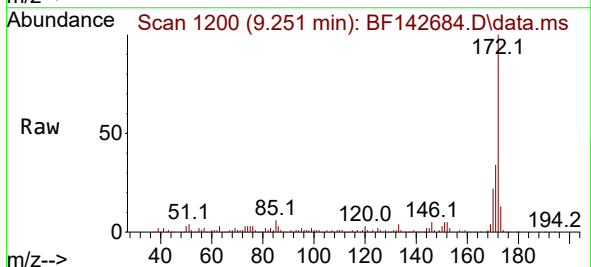
Tgt Ion:330 Resp: 41288
Ion Ratio Lower Upper
330 100
332 95.3 77.6 116.4
141 30.8 24.6 36.8

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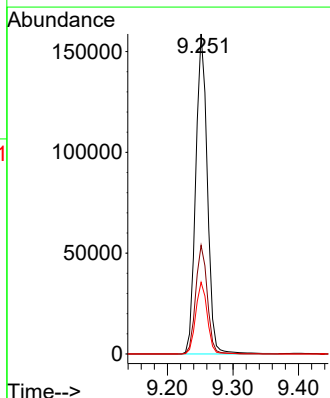
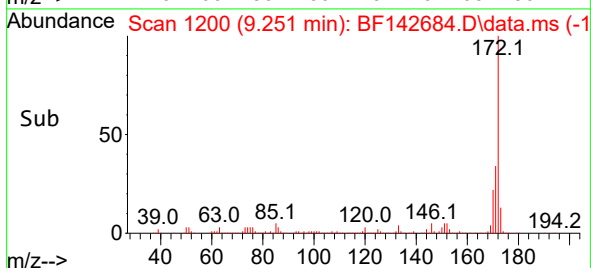
Reviewed By :Rahul Chavli 06/09/2025
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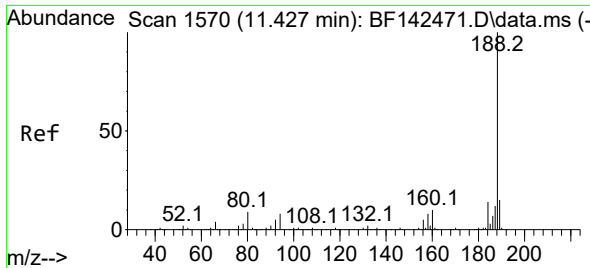


#45
2-Fluorobiphenyl
Concen: 18.301 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.017 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26



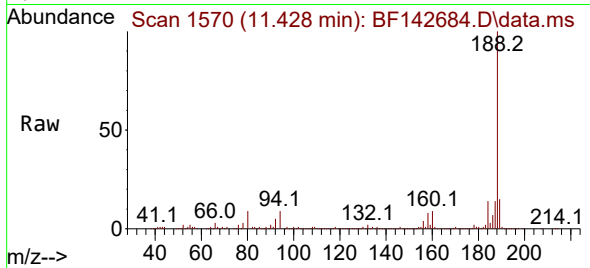
Tgt Ion:172 Resp: 196370
Ion Ratio Lower Upper
172 100
171 34.0 28.6 42.8
170 22.4 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

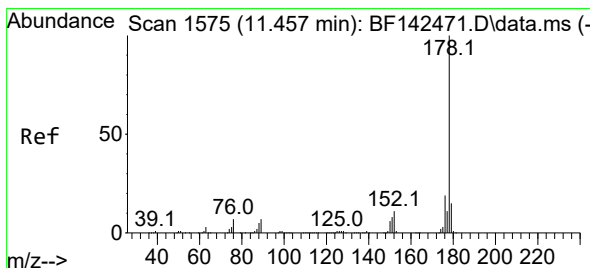
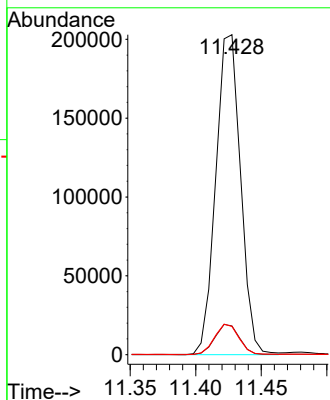
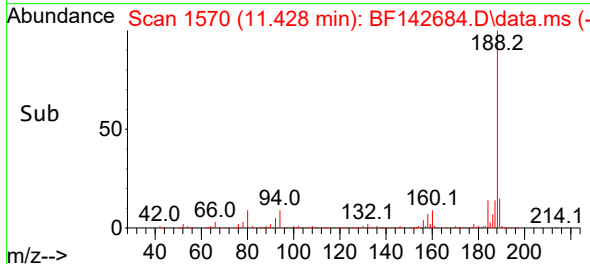
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025



Tgt Ion:188 Resp: 266778
Ion Ratio Lower Upper
188 100
94 9.0 6.6 10.0
80 8.8 7.4 11.0

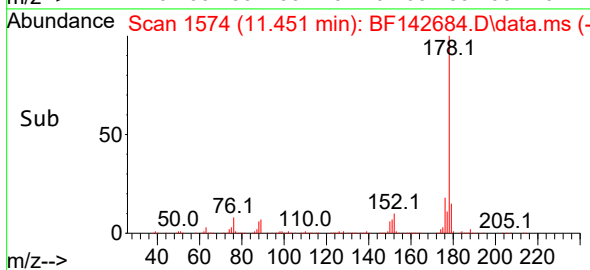
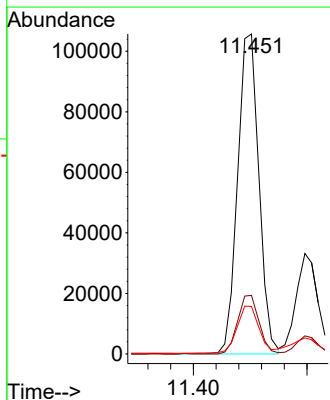
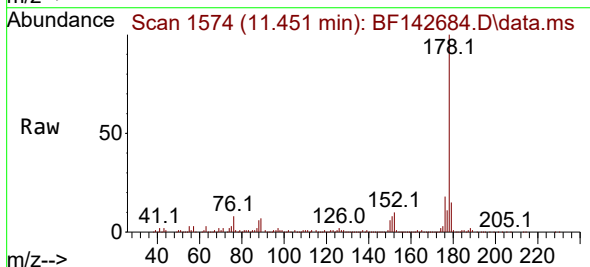
Manual Integrations
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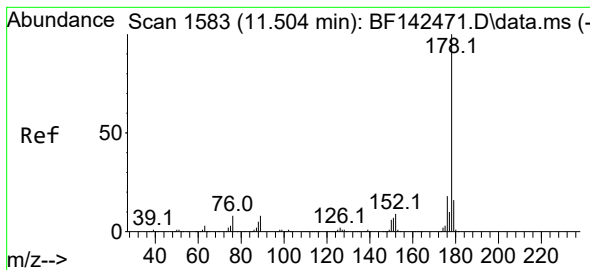
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#71
Phenanthrene
Concen: 9.661 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

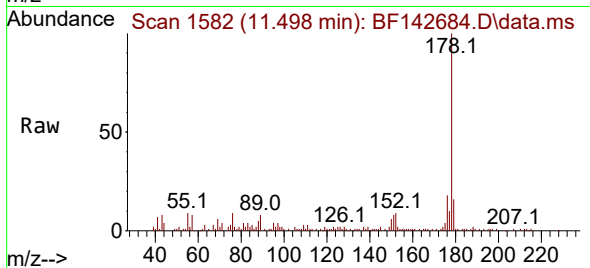
Tgt Ion:178 Resp: 137738
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.0
179 14.9 12.3 18.5





#72
 Anthracene
 Concen: 2.986 ng
 RT: 11.498 min Scan# 11
 Delta R.T. -0.012 min
 Lab File: BF142684.D
 Acq: 07 Jun 2025 11:26

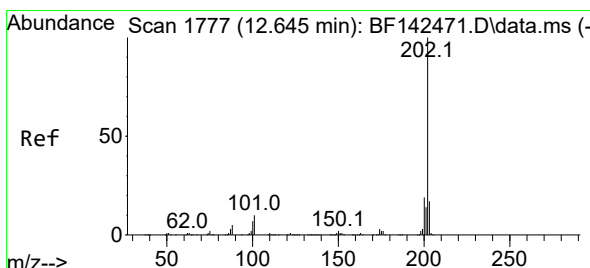
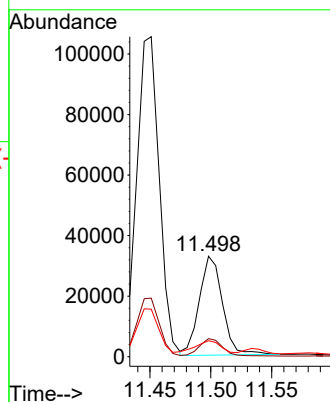
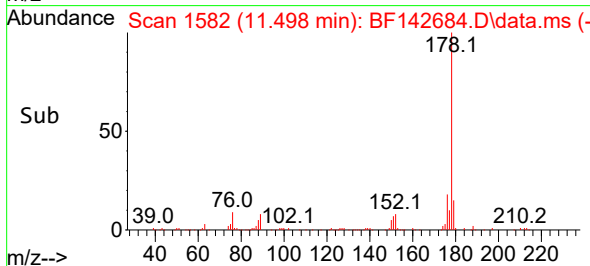
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 BNA_F
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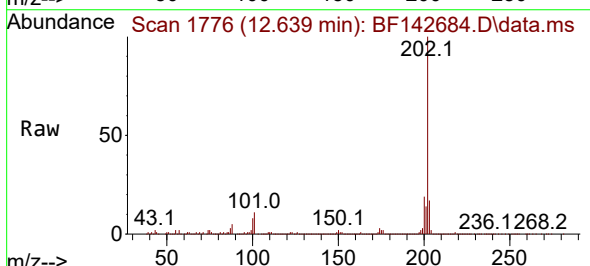
Tgt Ion:178 Resp: 43448
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.6 21.8
 179 15.9 12.4 18.6

Manual Integrations
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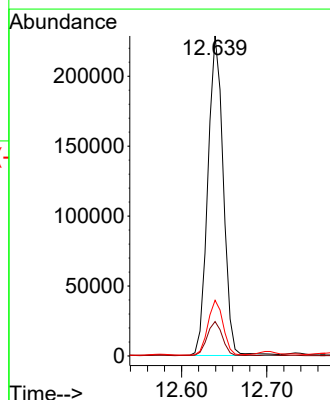
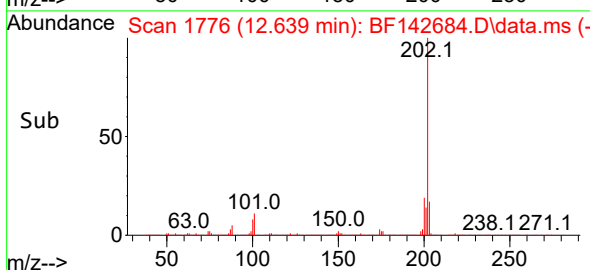
Reviewed By :Rahul Chavli 06/09/2025
 Supervised By :Jagrut Upadhyay 06/09/2025

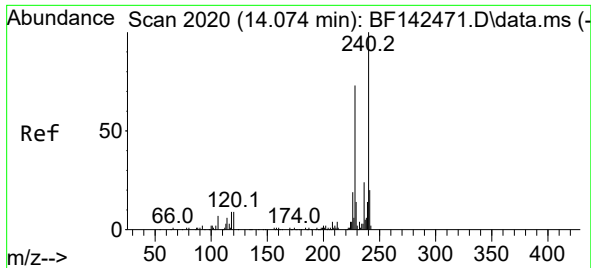


#75
 Fluoranthene
 Concen: 21.538 ng
 RT: 12.639 min Scan# 1776
 Delta R.T. -0.006 min
 Lab File: BF142684.D
 Acq: 07 Jun 2025 11:26



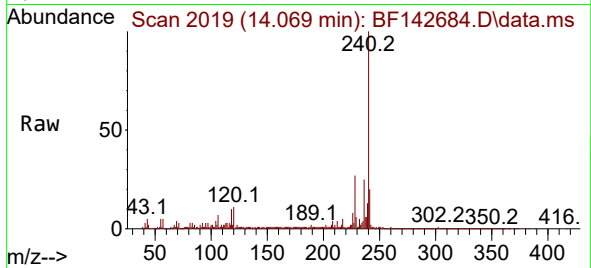
Tgt Ion:202 Resp: 286925
 Ion Ratio Lower Upper
 202 100
 101 10.8 0.0 29.6
 203 17.4 0.0 37.2





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

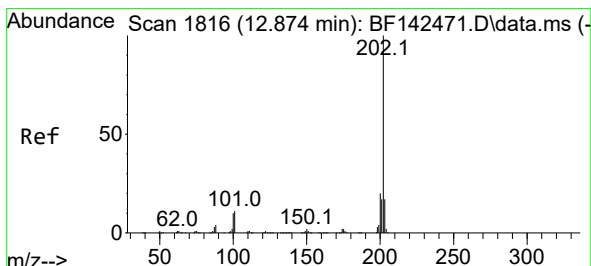
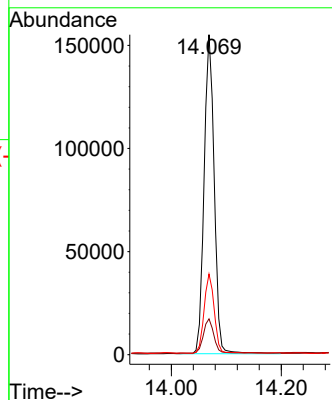
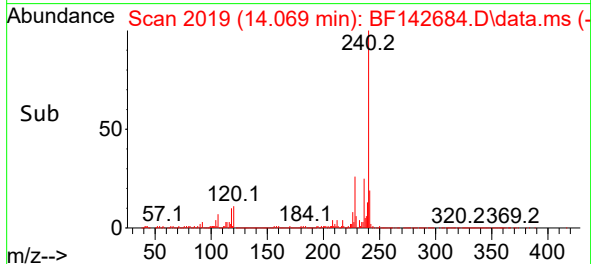
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025



Tgt Ion:240 Resp: 197785
Ion Ratio Lower Upper
240 100
120 11.2 7.5 11.3
236 25.2 19.6 29.4

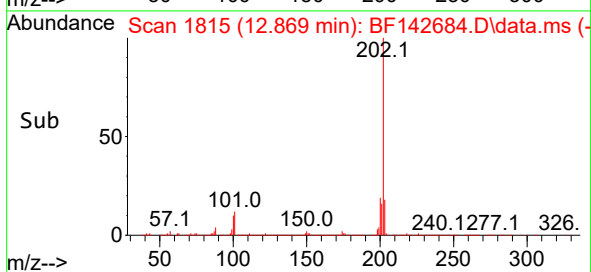
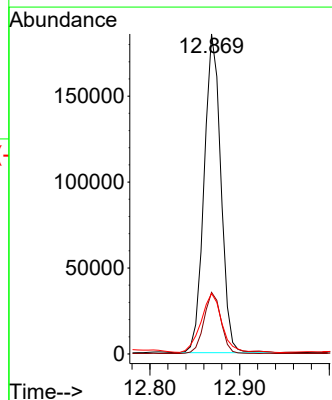
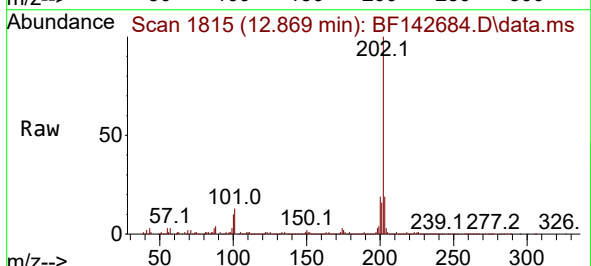
Manual Integrations
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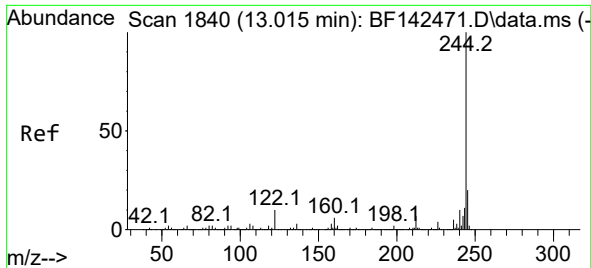
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#78
Pyrene
Concen: 13.050 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

Tgt Ion:202 Resp: 240780
Ion Ratio Lower Upper
202 100
200 19.3 16.1 24.1
203 18.9 13.9 20.9





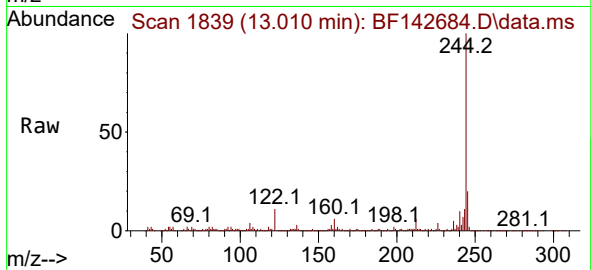
#79
 Terphenyl-d14
 Concen: 16.590 ng
 RT: 13.010 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF142684.D
 Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025



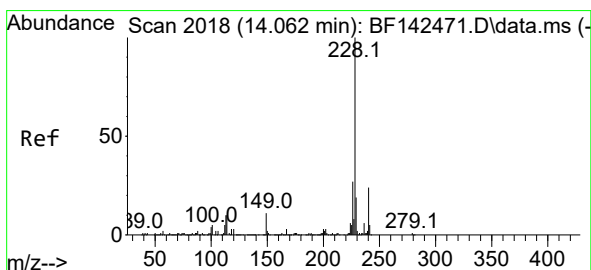
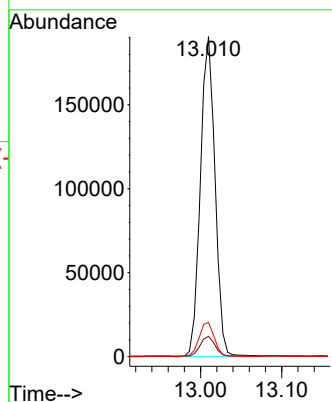
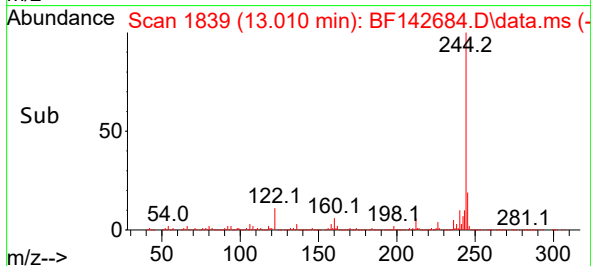
Tgt Ion:244 Resp: 240100
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.3 7.9
 122 10.7 8.2 12.2

Manual Integrations

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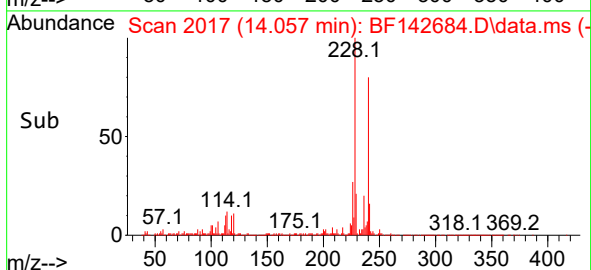
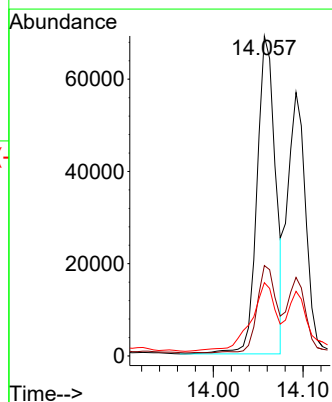
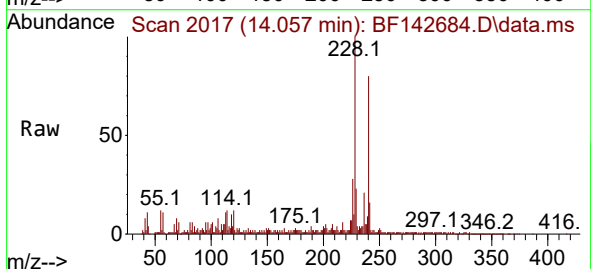
Reviewed By :Rahul Chavli 06/09/2025

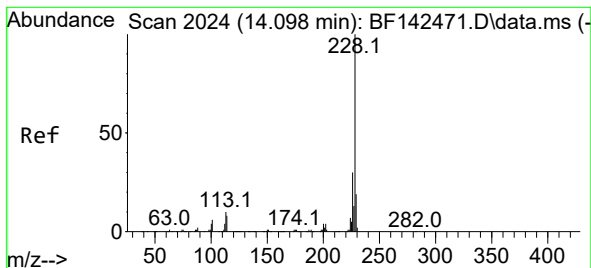
Supervised By :Jagrut Upadhyay 06/09/2025



#81
 Benzo(a)anthracene
 Concen: 7.452 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. -0.006 min
 Lab File: BF142684.D
 Acq: 07 Jun 2025 11:26

Tgt Ion:228 Resp: 98416
 Ion Ratio Lower Upper
 228 100
 226 28.3 21.2 31.8
 229 22.9 15.5 23.3





#83

Chrysene

Concen: 6.713 ng m

RT: 14.092 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025

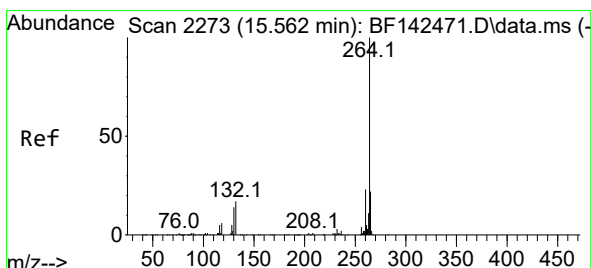
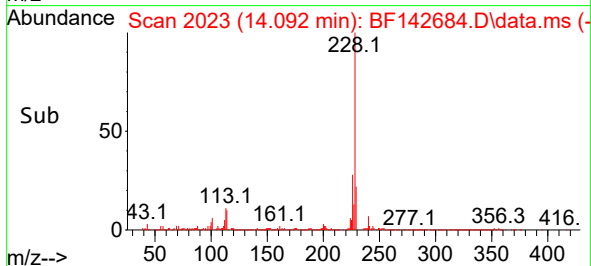
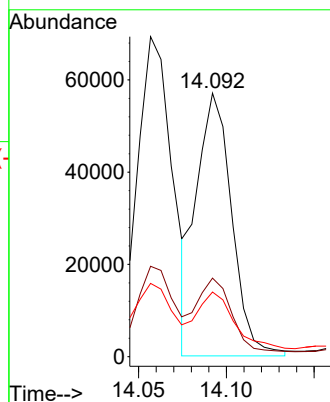
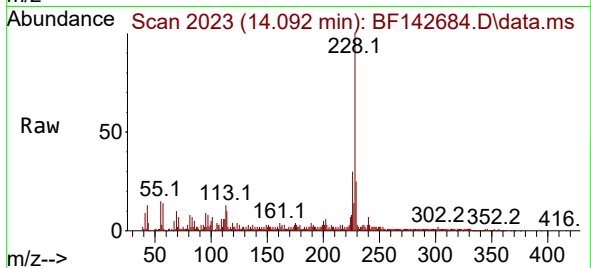
Tgt Ion:228	Resp:	7966
Ion Ratio	Lower	Upper
228	100	
226	29.8	23.8 35.6
229	24.5	15.4 23.2

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Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#86

Perylene-d12

Concen: 20.000 ng

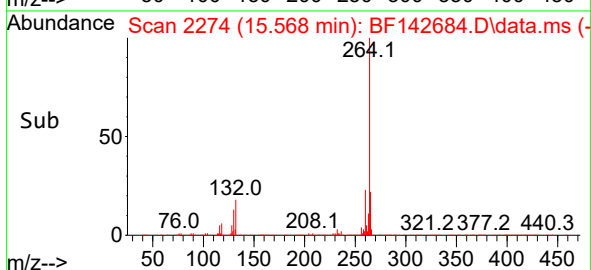
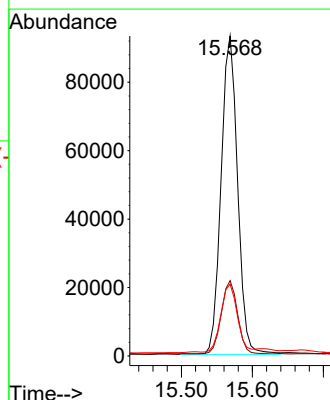
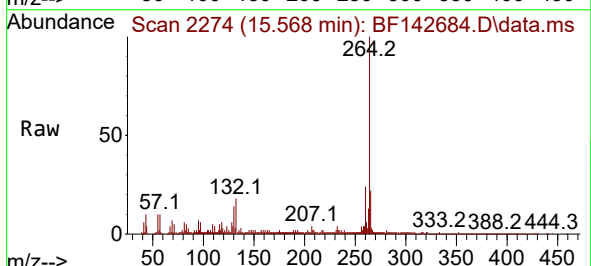
RT: 15.568 min Scan# 2274

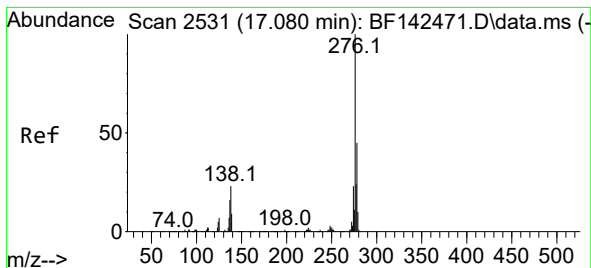
Delta R.T. 0.000 min

Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Tgt Ion:264	Resp:	149506
Ion Ratio	Lower	Upper
264	100	
260	23.6	18.6 28.0
265	22.5	17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.957 ng

RT: 17.080 min Scan# 2199

Delta R.T. -0.012 min

Lab File: BF142684.D

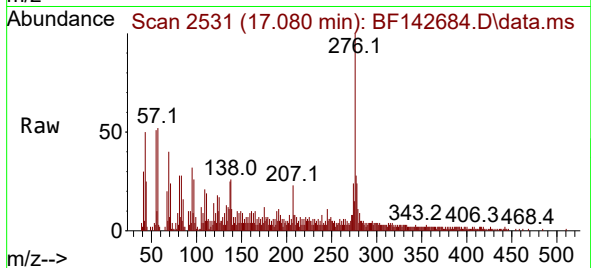
Acq: 07 Jun 2025 11:26

Instrument :

BNA_F

ClientSampleId :

SU-03-06042025



Tgt Ion: 276 Resp: 33180

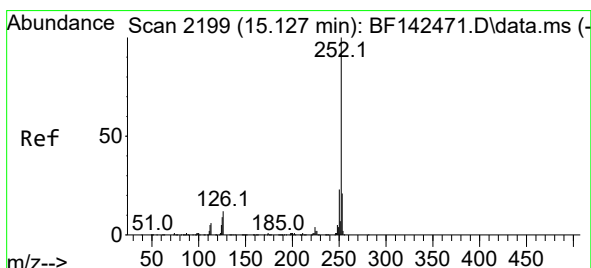
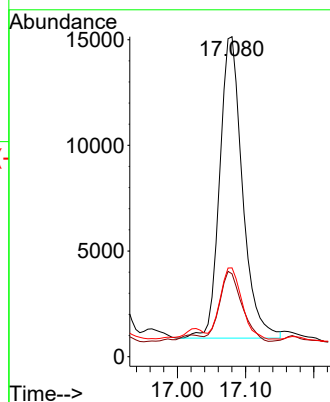
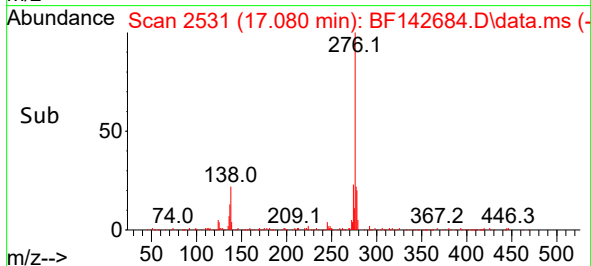
Ion	Ratio	Lower	Upper
276	100		
138	22.8	19.9	29.9
277	22.5	20.2	30.2

Manual Integrations

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Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#88

Benzo(b)fluoranthene

Concen: 8.586 ng m

RT: 15.127 min Scan# 2199

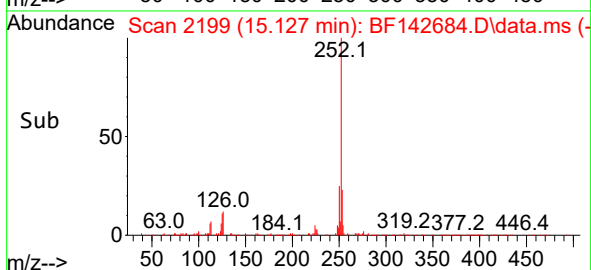
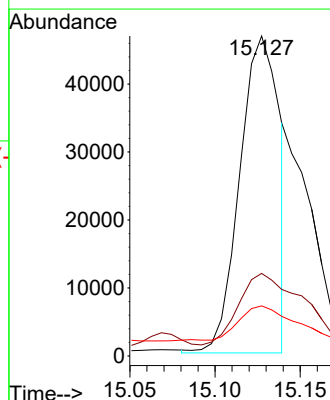
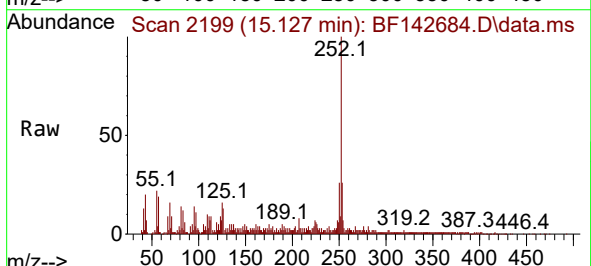
Delta R.T. 0.000 min

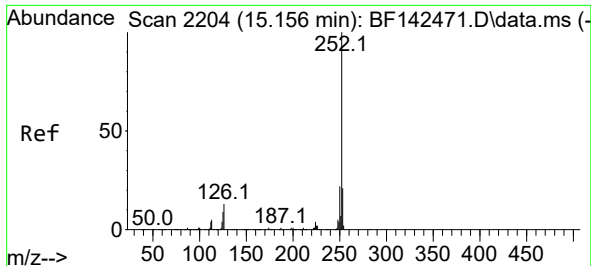
Lab File: BF142684.D

Acq: 07 Jun 2025 11:26

Tgt Ion: 252 Resp: 75973

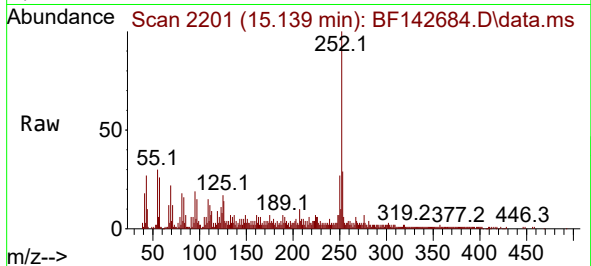
Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.0	25.4#
125	15.7	7.4	11.0#





#89
Benzo(k)fluoranthene
Concen: 4.349 ng m
RT: 15.139 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

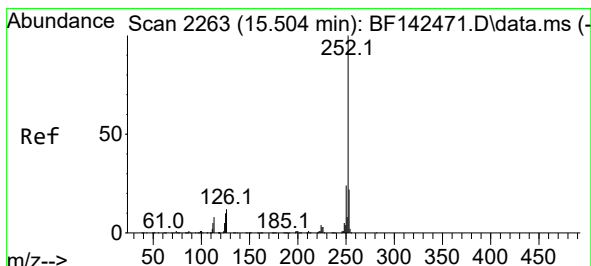
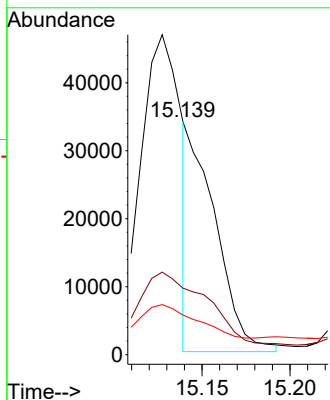
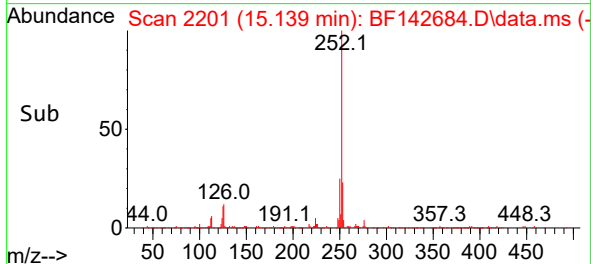
Instrument :
BNA_F
ClientSampleId :
SU-03-06042025



Tgt Ion:252 Resp: 3604
Ion Ratio Lower Upper
252 100
253 28.5 17.0 25.4
125 17.0 7.3 10.9

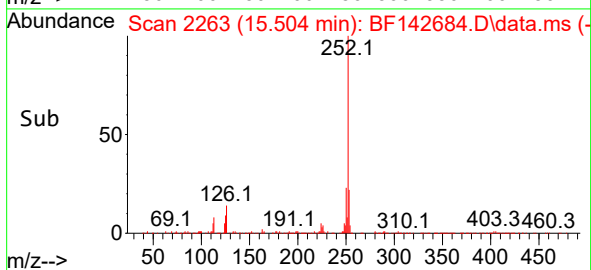
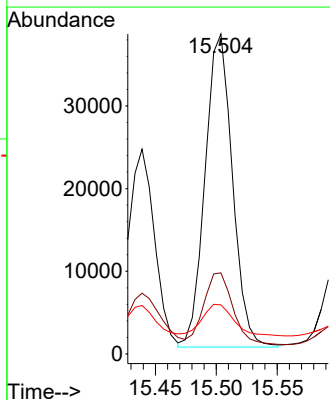
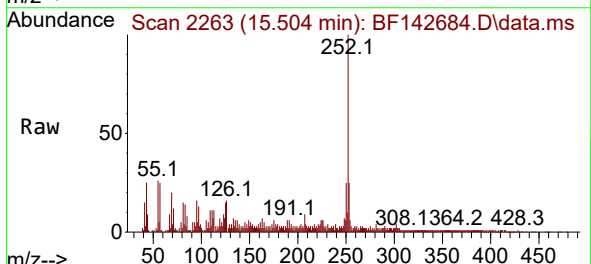
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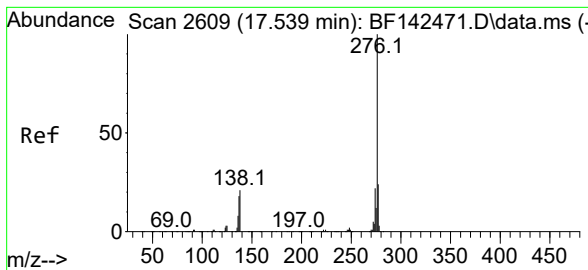
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#90
Benzo(a)pyrene
Concen: 7.102 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142684.D
Acq: 07 Jun 2025 11:26

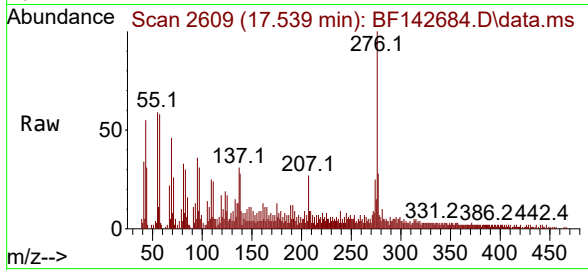
Tgt Ion:252 Resp: 59235
Ion Ratio Lower Upper
252 100
253 25.3 17.4 26.0
125 15.4 7.9 11.9





#92
 Benzo(g,h,i)perylene
 Concen: 3.754 ng
 RT: 17.539 min Scan# 20
 Delta R.T. -0.017 min
 Lab File: BF142684.D
 Acq: 07 Jun 2025 11:26

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-06042025



Tgt Ion: 276 Resp: 3418
 Ion Ratio Lower Upper
 276 100
 277 28.2 19.2 28.8
 138 28.2 16.8 25.2

Manual Integrations
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Reviewed By :Rahul Chavli 06/09/2025
 Supervised By :Jagrut Upadhyay 06/09/2025

