

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
 Data File : BF142686.D
 Acq On : 07 Jun 2025 12:23
 Operator : RC/JU
 Sample : Q2195-01 5X
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-060325

Manual Integrations
 APPROVED

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

Quant Time: Jun 09 01:05:45 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	6.898	152	109295	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	358830	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	152303	20.000	ng	-0.01
64) Phenanthrene-d10	11.427	188	271335	20.000	ng	0.00
76) Chrysene-d12	14.068	240	187207	20.000	ng	# 0.00
86) Perylene-d12	15.568	264	150752	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	81164	12.511	ng	0.00
7) Phenol-d6	6.516	99	90073	11.534	ng	-0.02
23) Nitrobenzene-d5	7.451	82	49224	7.480	ng	-0.02
42) 2,4,6-Tribromophenol	10.727	330	19079	11.287	ng	-0.01
45) 2-Fluorobiphenyl	9.251	172	110516	9.737	ng	-0.02
79) Terphenyl-d14	13.010	244	126490	9.233	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.451	178	115601	7.972	ng	99
75) Fluoranthene	12.639	202	254585	18.789	ng	98
78) Pyrene	12.874	202	345678	19.794	ng	99
81) Benzo(a)anthracene	14.063	228	128952	10.315	ng	92
83) Chrysene	14.092	228	100652m	8.961	ng	
87) Indeno(1,2,3-cd)pyrene	17.080	276	30767	2.719	ng	97
88) Benzo(b)fluoranthene	15.127	252	77166m	8.649	ng	
89) Benzo(k)fluoranthene	15.145	252	23556m	2.819	ng	
90) Benzo(a)pyrene	15.504	252	63869	7.594	ng	# 91
92) Benzo(g,h,i)perylene	17.539	276	34050	3.709	ng	# 91

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

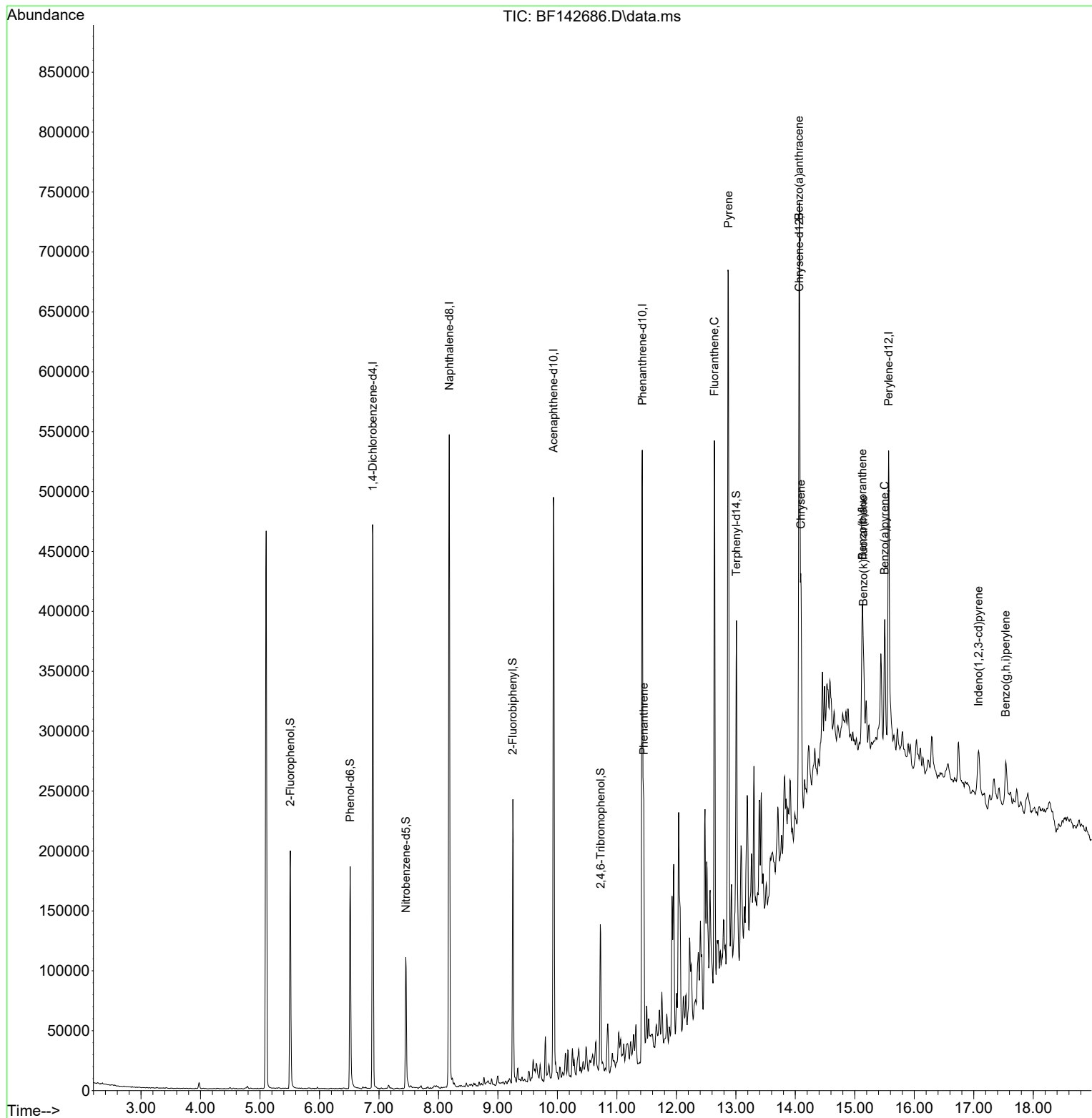
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060625\
Data File : BF142686.D
Acq On : 07 Jun 2025 12:23
Operator : RC/JU
Sample : Q2195-01 5X
Misc :
ALS Vial : 47 Sample Multiplier: 1

Instrument :
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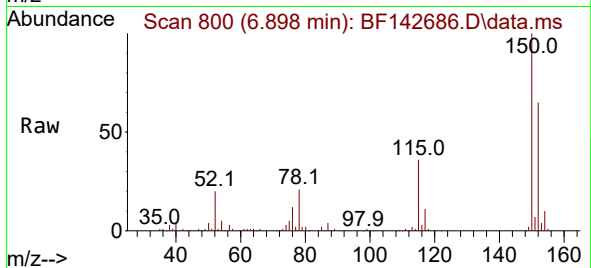
Quant Time: Jun 09 01:05:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 20 16:26:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

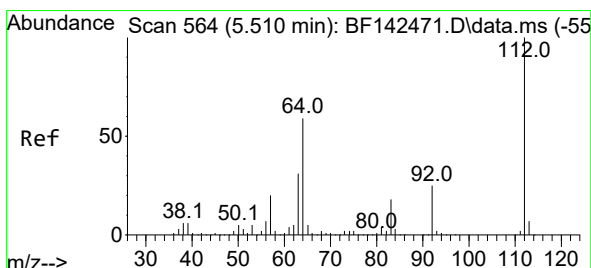
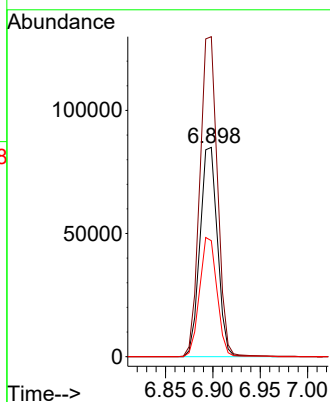
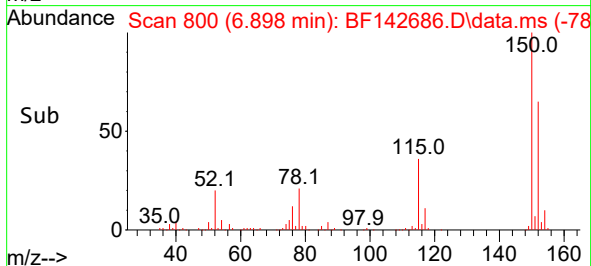
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



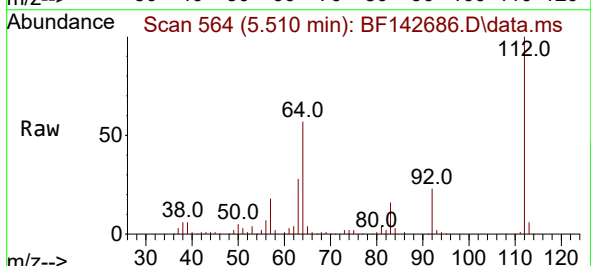
Tgt Ion:152 Resp: 109295
Ion Ratio Lower Upper
152 100
150 152.9 128.2 192.4
115 55.4 48.3 72.5

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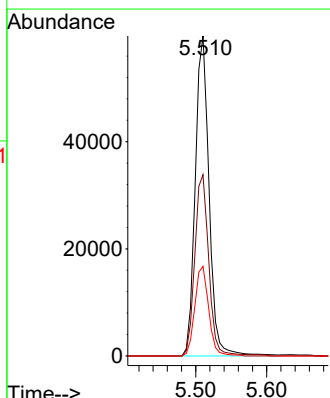
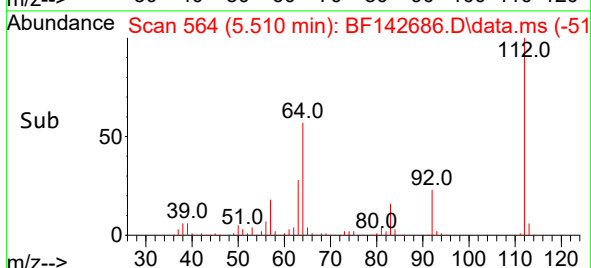
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

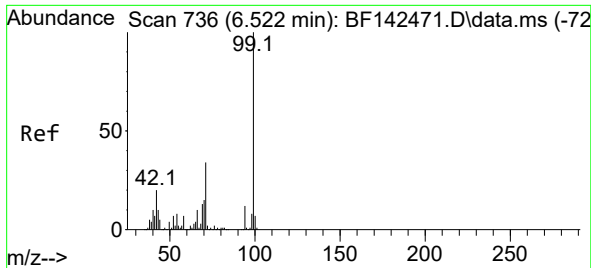


#5
2-Fluorophenol
Concen: 12.511 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23



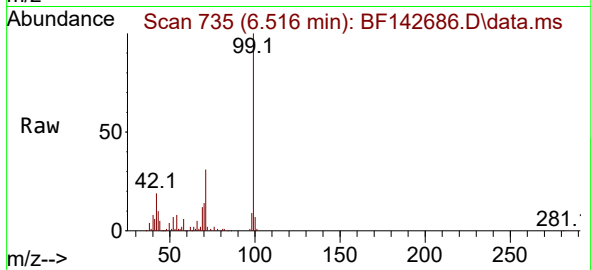
Tgt Ion:112 Resp: 81164
Ion Ratio Lower Upper
112 100
64 56.7 47.5 71.3
63 28.0 24.9 37.3





#7
Phenol-d6
Concen: 11.534 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

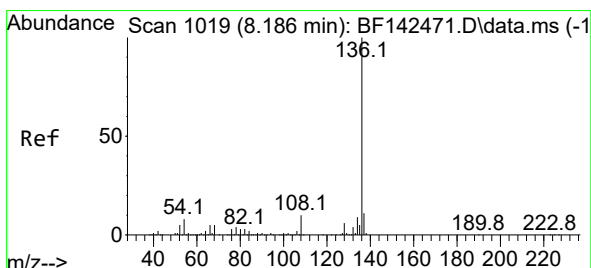
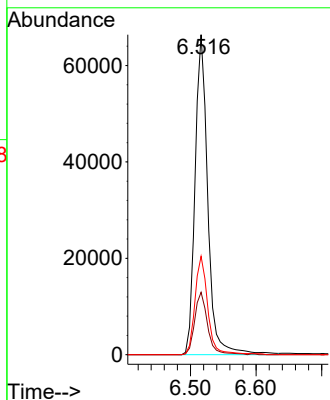
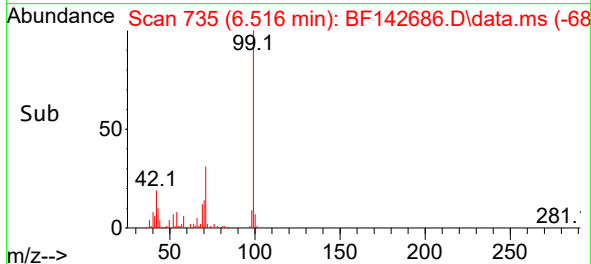
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



Tgt Ion: 99 Resp: 9007
Ion Ratio Lower Upper
99 100
42 19.5 16.2 24.2
71 30.7 27.3 40.9

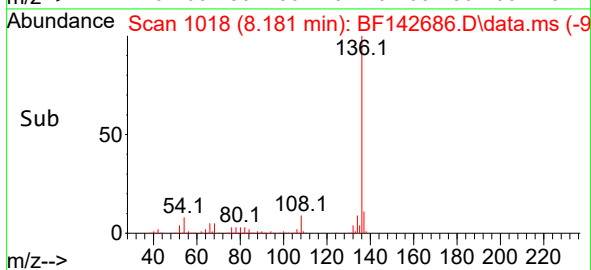
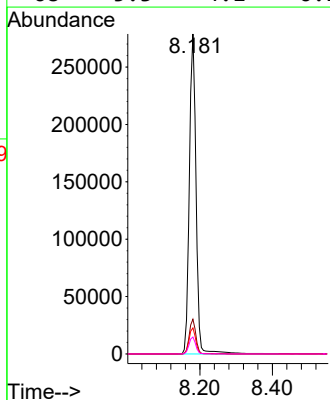
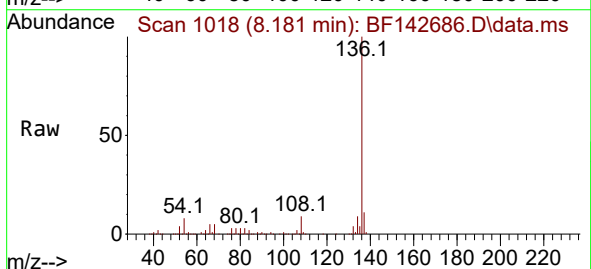
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Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Tgt Ion:136 Resp: 358830
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 6.6 10.0
68 5.3 4.1 6.1





#23

Nitrobenzene-d5

Concen: 7.480 ng

RT: 7.451 min Scan# 896

Delta R.T. -0.023 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

Tgt Ion: 82 Resp: 49224

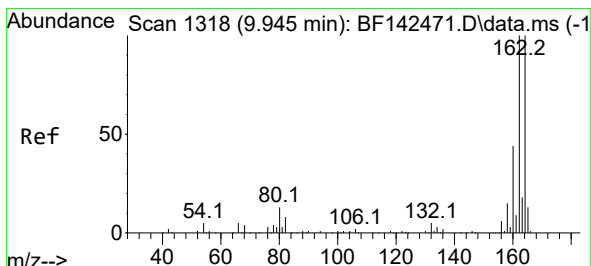
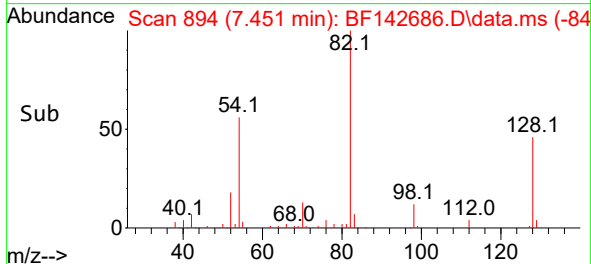
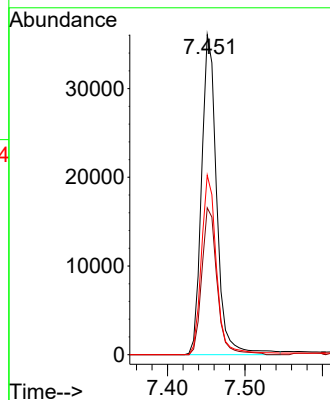
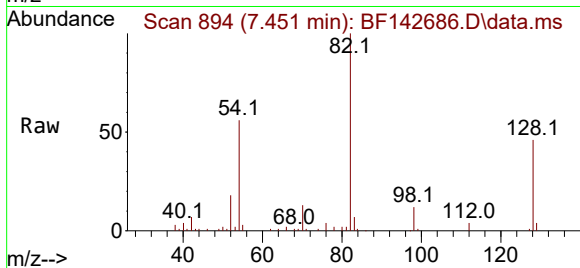
Ion	Ratio	Lower	Upper
82	100		
128	45.9	37.4	56.2
54	56.1	46.6	70.0

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

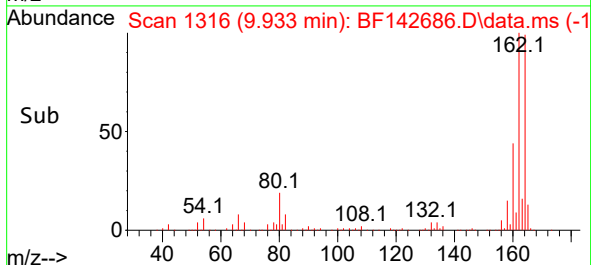
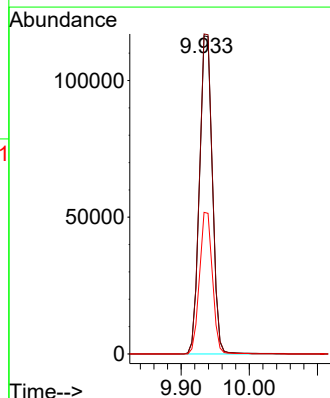
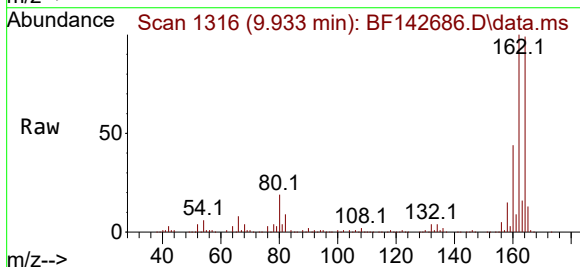
Delta R.T. -0.012 min

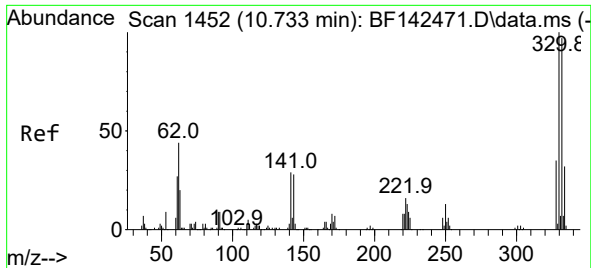
Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Tgt Ion:164 Resp: 152303

Ion	Ratio	Lower	Upper
164	100		
162	100.6	80.2	120.4
160	44.5	35.6	53.4





#42
2,4,6-Tribromophenol
Concen: 11.287 ng
RT: 10.727 min Scan# 1452
Delta R.T. -0.012 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

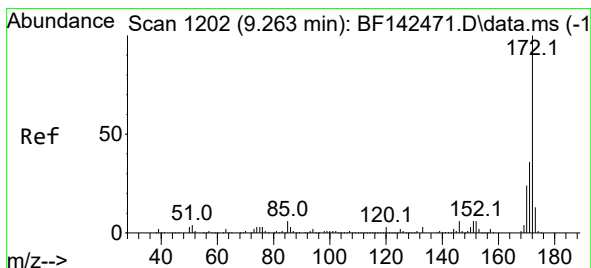
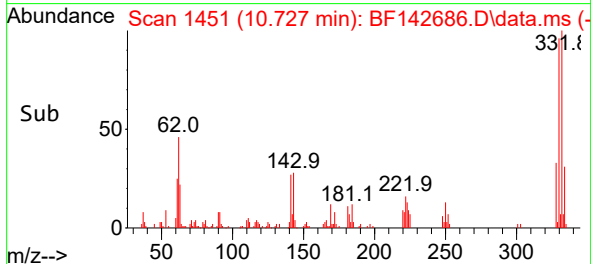
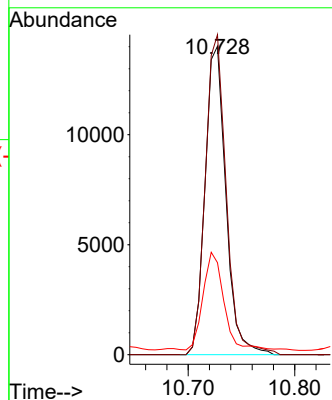
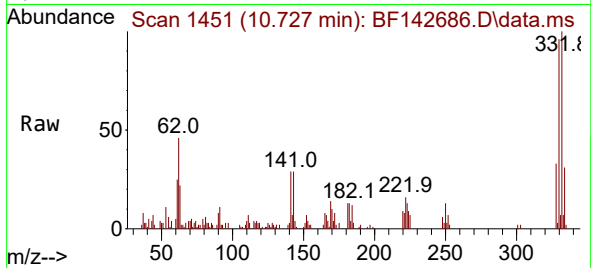
Tgt Ion:330 Resp: 19079
Ion Ratio Lower Upper
330 100
332 103.8 77.6 116.4
141 32.3 24.6 36.8

Manual Integrations

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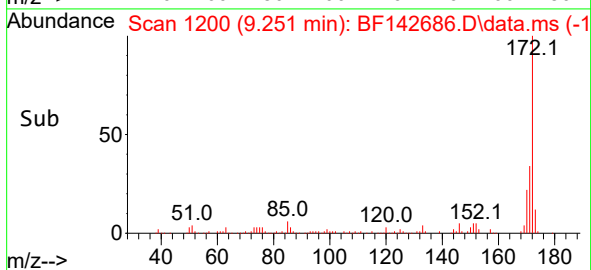
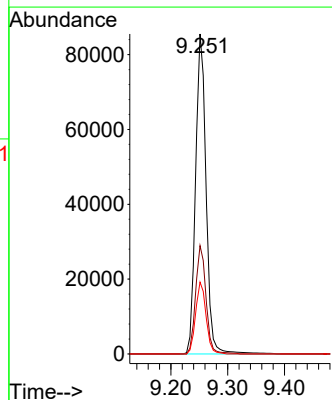
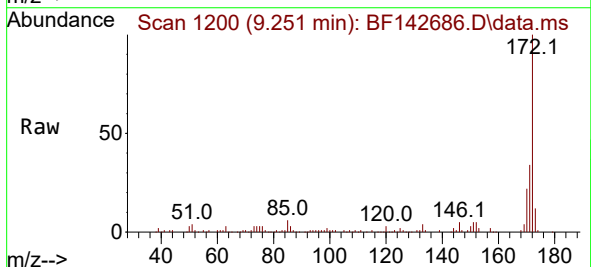
Reviewed By :Rahul Chavli 06/09/2025

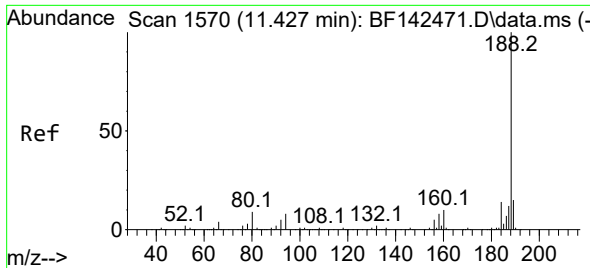
Supervised By :Jagrut Upadhyay 06/09/2025



#45
2-Fluorobiphenyl
Concen: 9.737 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.018 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

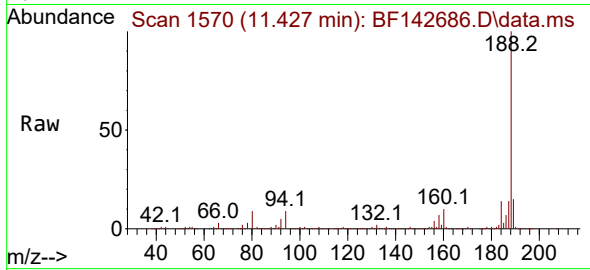
Tgt Ion:172 Resp: 110516
Ion Ratio Lower Upper
172 100
171 33.8 28.6 42.8
170 22.5 18.9 28.3





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

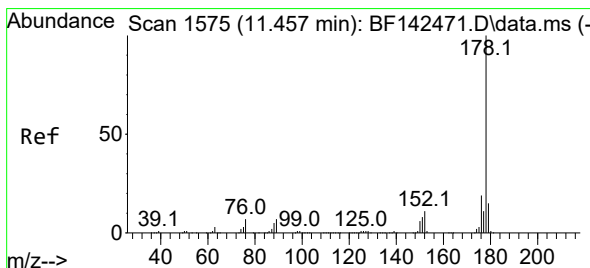
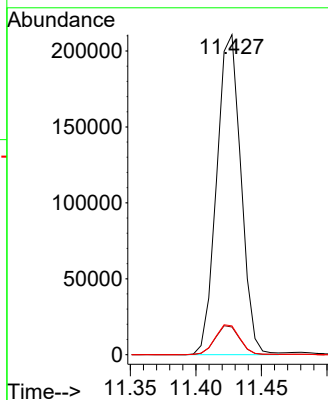
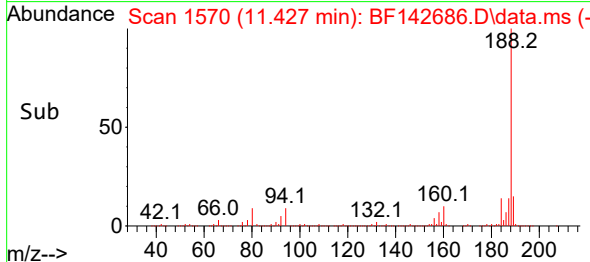
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



Tgt Ion:188 Resp: 271335
Ion Ratio Lower Upper
188 100
94 8.7 6.6 10.0
80 9.0 7.4 11.0

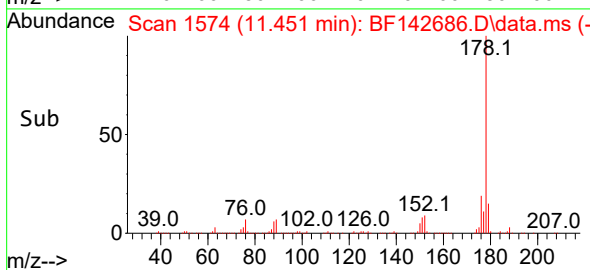
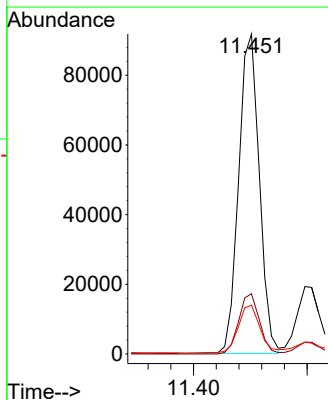
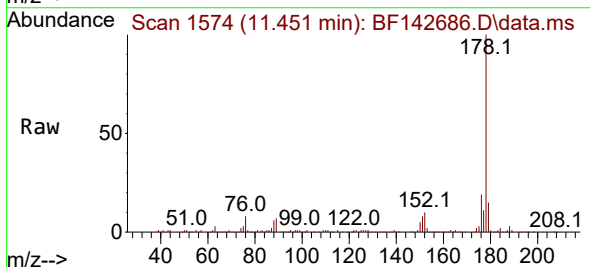
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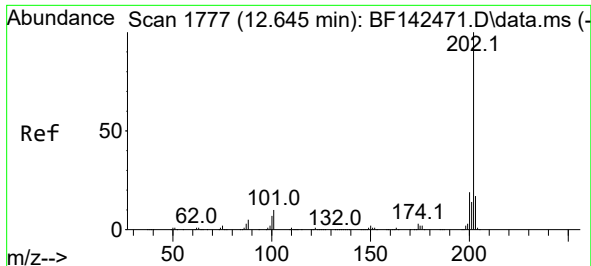
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#71
Phenanthrene
Concen: 7.972 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

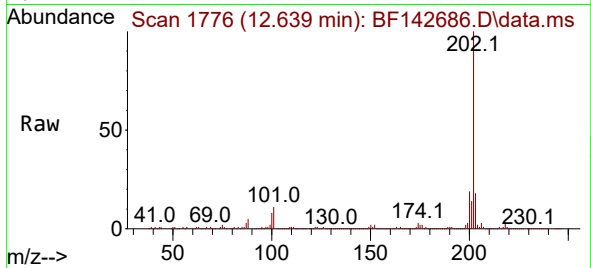
Tgt Ion:178 Resp: 115601
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.0
179 15.3 12.3 18.5





#75
Fluoranthene
Concen: 18.789 ng
RT: 12.639 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

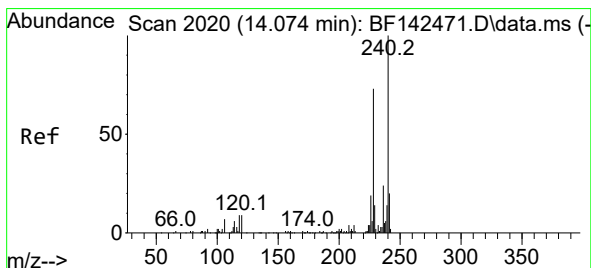
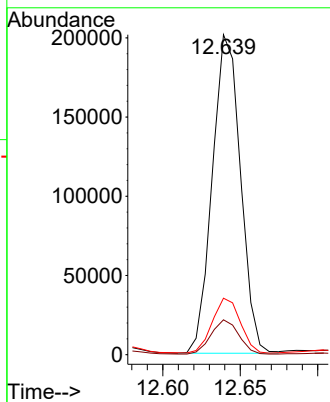
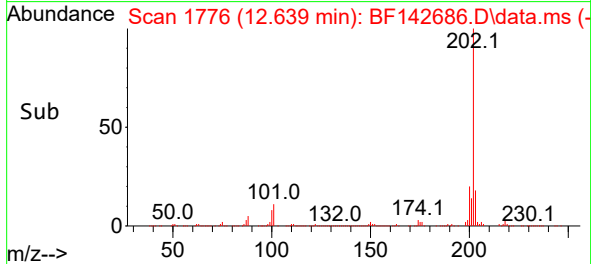
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



Tgt Ion:202 Resp: 25458
Ion Ratio Lower Upper
202 100
101 10.9 0.0 29.6
203 17.7 0.0 37.2

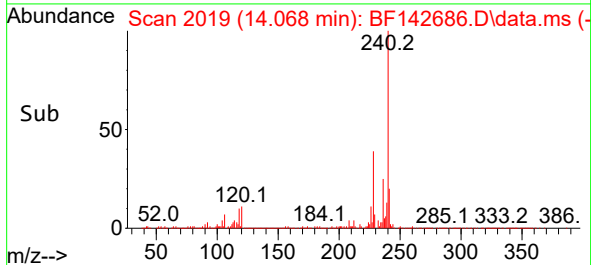
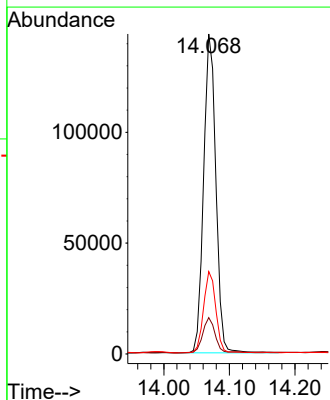
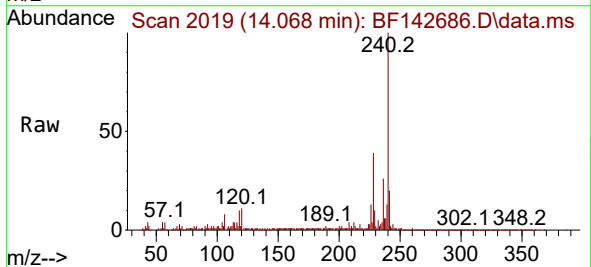
Manual Integrations
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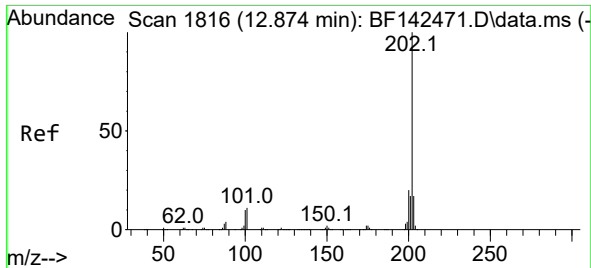
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

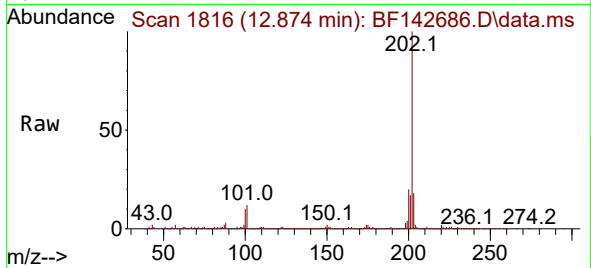
Tgt Ion:240 Resp: 187207
Ion Ratio Lower Upper
240 100
120 11.4 7.5 11.3#
236 25.7 19.6 29.4





#78
Pyrene
Concen: 19.794 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

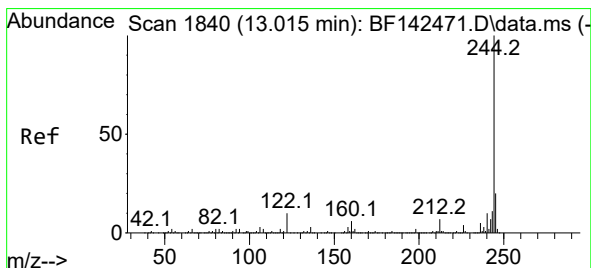
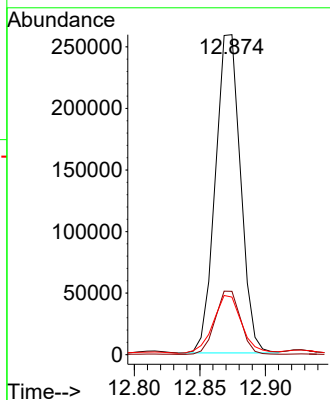
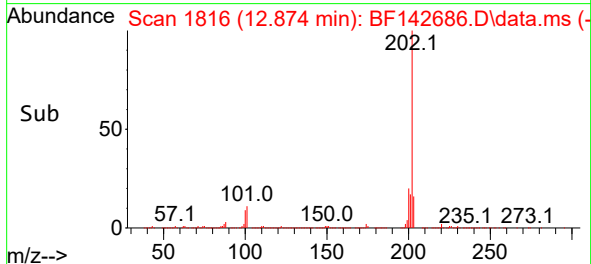
Instrument :
BNA_F
ClientSampleId :
OK-01-060325



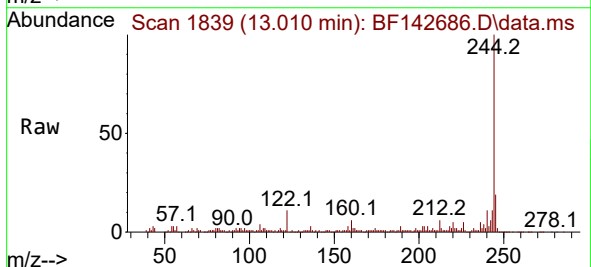
Tgt Ion:202 Resp: 345678
Ion Ratio Lower Upper
202 100
200 19.8 16.1 24.1
203 18.0 13.9 20.9

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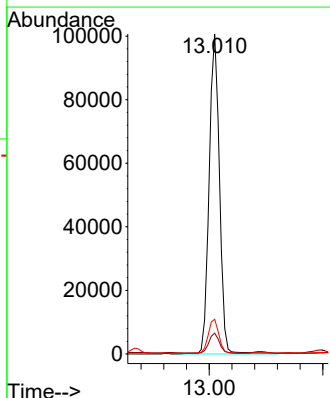
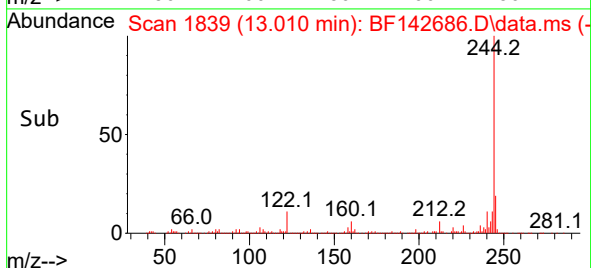
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025

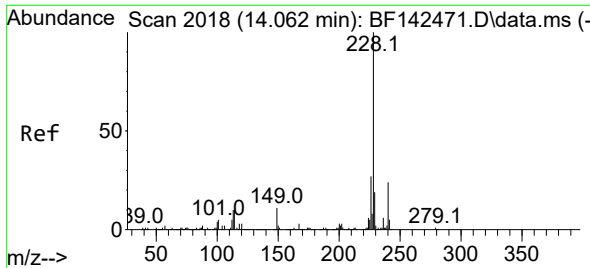


#79
Terphenyl-d14
Concen: 9.233 ng
RT: 13.010 min Scan# 1839
Delta R.T. -0.006 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23



Tgt Ion:244 Resp: 126490
Ion Ratio Lower Upper
244 100
212 6.5 5.3 7.9
122 10.8 8.2 12.2





#81
Benzo(a)anthracene
Concen: 10.315 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

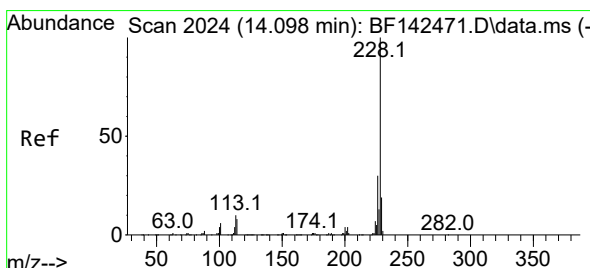
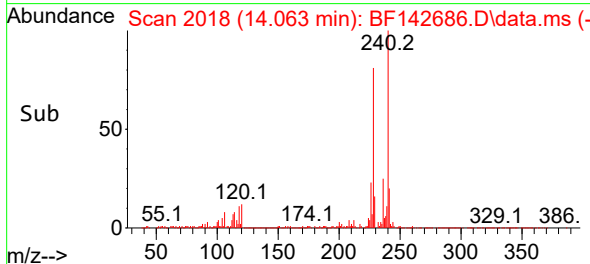
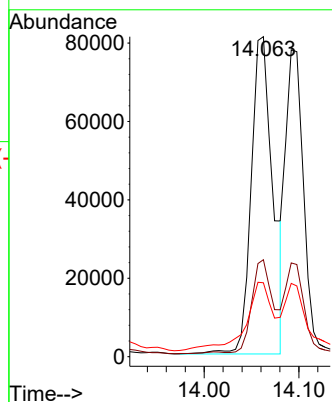
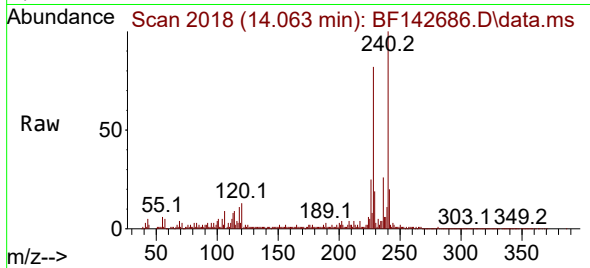
OK-01-060325

Tgt Ion:228 Resp: 128952
Ion Ratio Lower Upper
228 100
226 30.3 21.2 31.8
229 23.1 15.5 23.3

Manual Integrations

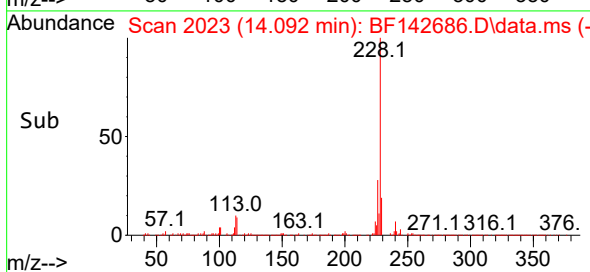
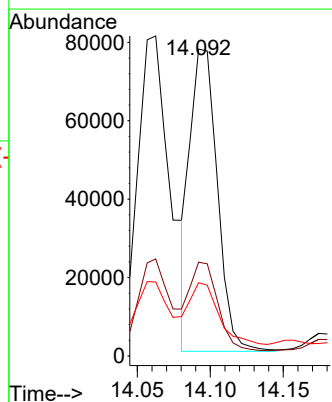
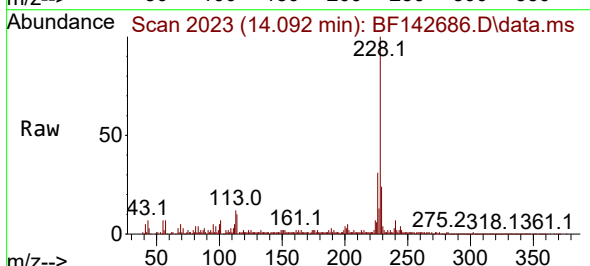
APPROVED

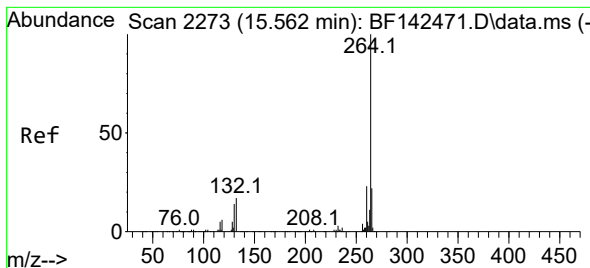
Reviewed By :Rahul Chavli 06/09/2025
Supervised By :Jagrut Upadhyay 06/09/2025



#83
Chrysene
Concen: 8.961 ng m
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF142686.D
Acq: 07 Jun 2025 12:23

Tgt Ion:228 Resp: 100652
Ion Ratio Lower Upper
228 100
226 30.6 23.8 35.6
229 23.9 15.4 23.2#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

Tgt Ion:264 Resp: 150752

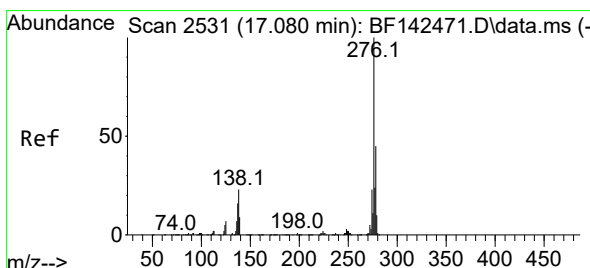
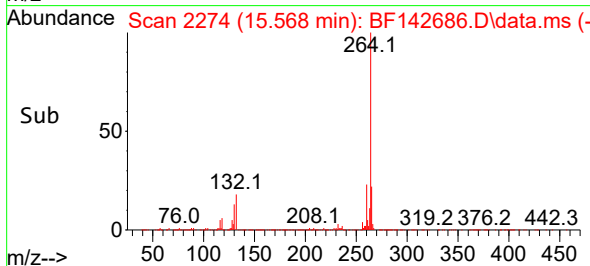
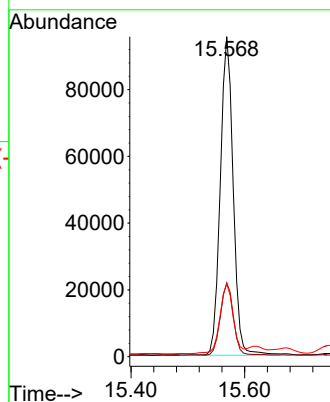
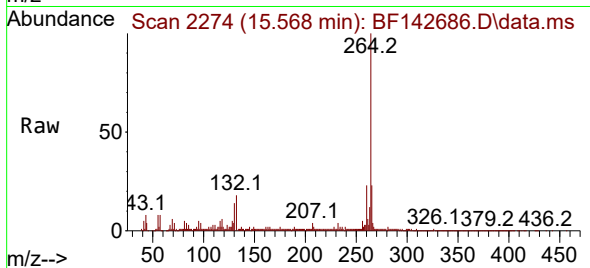
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	22.7	17.7	26.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.719 ng

RT: 17.080 min Scan# 2531

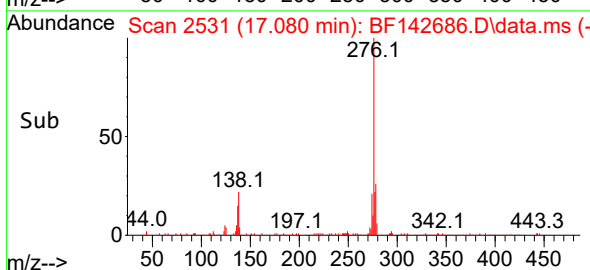
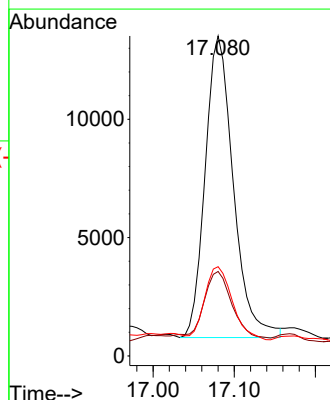
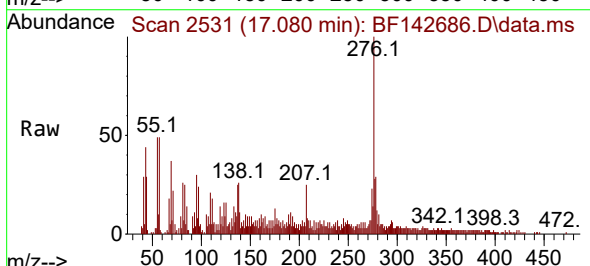
Delta R.T. -0.012 min

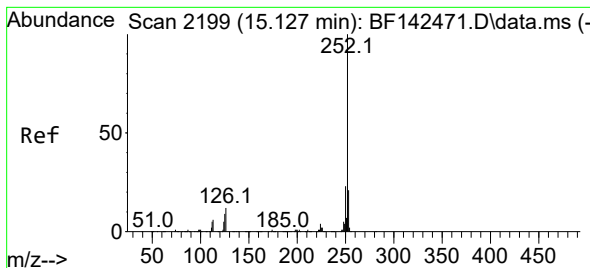
Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Tgt Ion:276 Resp: 30767

Ion	Ratio	Lower	Upper
276	100		
138	23.1	19.9	29.9
277	23.9	20.2	30.2





#88

Benzo(b)fluoranthene

Concen: 8.649 ng m

RT: 15.127 min Scan# 2199

Delta R.T. 0.000 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

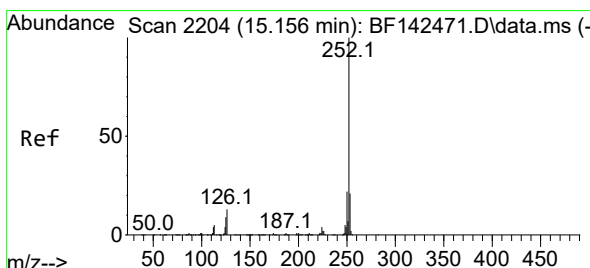
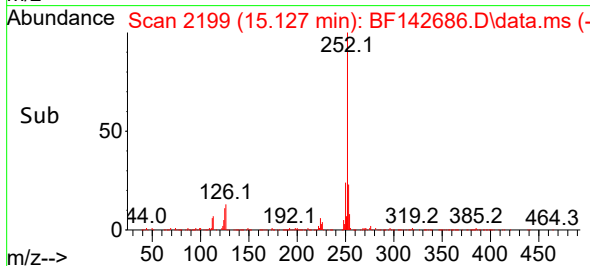
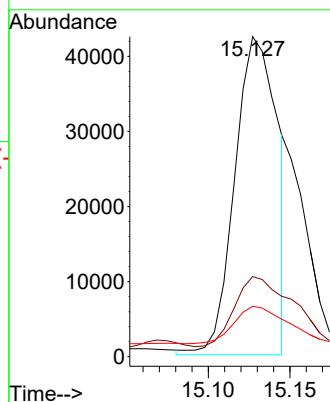
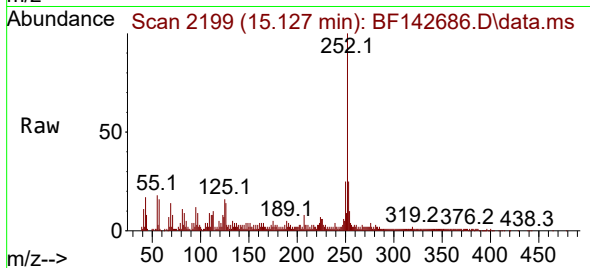
Tgt Ion:252 Resp: 77160
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.0 25.4
 125 15.8 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#89

Benzo(k)fluoranthene

Concen: 2.819 ng m

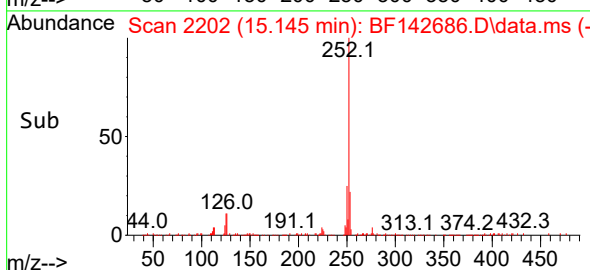
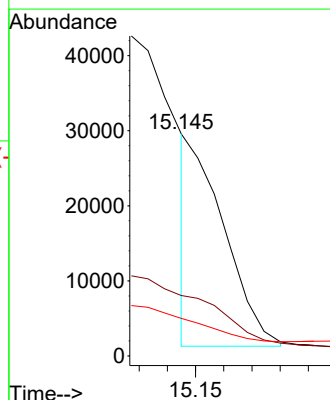
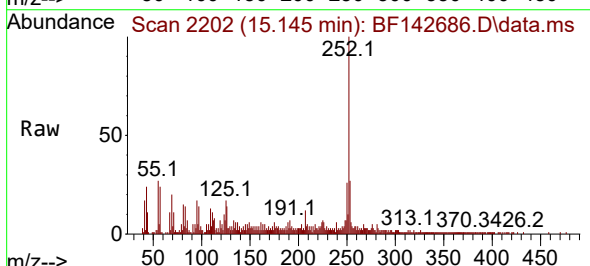
RT: 15.145 min Scan# 2202

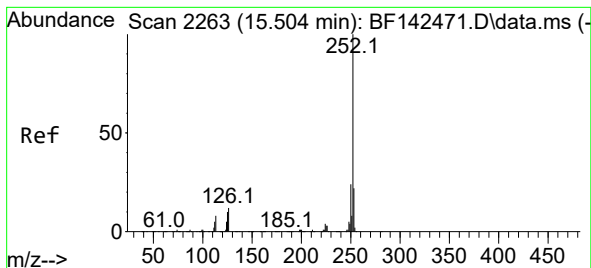
Delta R.T. -0.018 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Tgt Ion:252 Resp: 23556
 Ion Ratio Lower Upper
 252 100
 253 27.2 17.0 25.4#
 125 16.9 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 7.594 ng

RT: 15.504 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Instrument :

BNA_F

ClientSampleId :

OK-01-060325

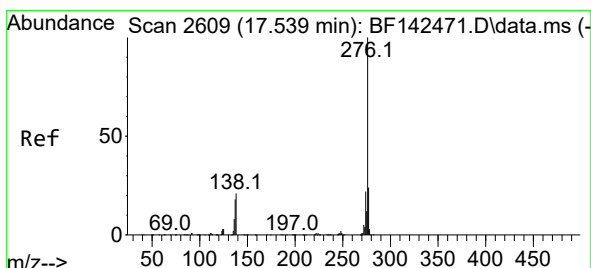
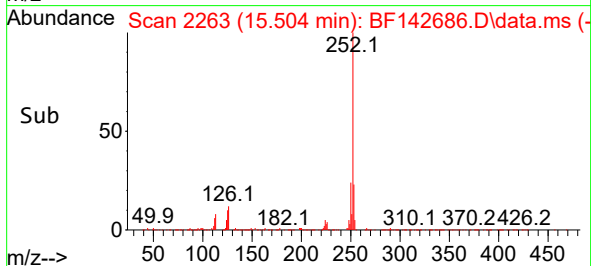
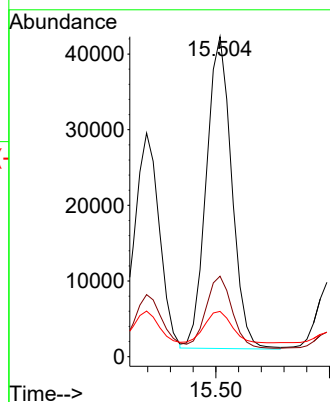
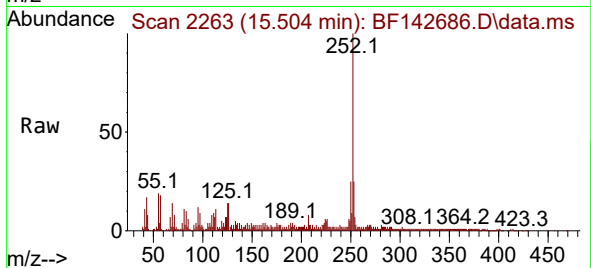
Tgt Ion:	252	Resp:	6386
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.4	26.0
125	14.2	7.9	11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/09/2025

Supervised By :Jagrut Upadhyay 06/09/2025



#92

Benzo(g,h,i)perylene

Concen: 3.709 ng

RT: 17.539 min Scan# 2609

Delta R.T. -0.018 min

Lab File: BF142686.D

Acq: 07 Jun 2025 12:23

Tgt Ion:	276	Resp:	34050
Ion Ratio	Lower	Upper	
276	100		
277	27.9	19.2	28.8
138	25.8	16.8	25.2

