

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143707.D
 Acq On : 11 Sep 2025 15:32
 Operator : RC/JU
 Sample : Q3055-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-090925

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 11 15:53:46 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	38487	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	141505	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	74782	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	106237	20.000	ng	0.00
76) Chrysene-d12	14.057	240	99143	20.000	ng	0.01
86) Perylene-d12	15.539	264	80377	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	153182	67.906	ng	0.00
7) Phenol-d6	6.504	99	183003	66.628	ng	0.00
23) Nitrobenzene-d5	7.451	82	112060	49.258	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	47382	62.871	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	214428	43.315	ng	0.00
79) Terphenyl-d14	13.004	244	182307	29.799	ng	0.01
Target Compounds						Qvalue
52) Acenaphthene	9.963	154	9334	2.240	ng	100
58) Fluorene	10.475	166	14002	2.986	ng	97
71) Phenanthrene	11.439	178	125919	21.512	ng	100
72) Anthracene	11.492	178	24821	4.217	ng	99
73) Carbazole	11.645	167	9920	2.058	ng	99
75) Fluoranthene	12.633	202	183380	34.126	ng	99
78) Pyrene	12.863	202	173252	21.856	ng	99
81) Benzo(a)anthracene	14.051	228	88794	13.921	ng	95
83) Chrysene	14.086	228	67350	11.529	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	27463	5.006	ng	97
88) Benzo(b)fluoranthene	15.104	252	86346m	18.046	ng	
89) Benzo(k)fluoranthene	15.121	252	31017m	7.183	ng	
90) Benzo(a)pyrene	15.474	252	56417	13.421	ng	95
92) Benzo(g,h,i)perylene	17.480	276	28803	6.766	ng	98

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

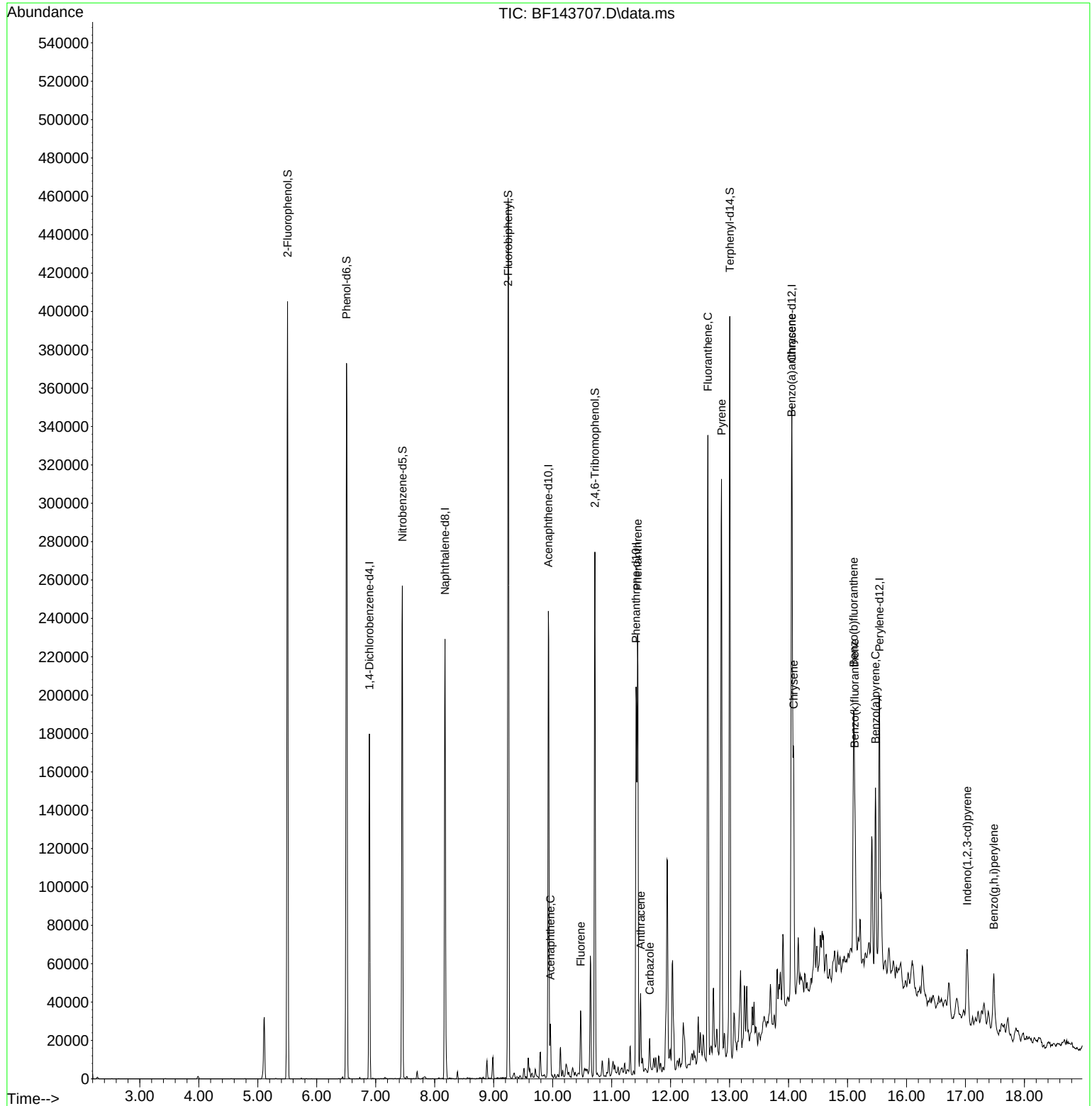
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143707.D
Acq On : 11 Sep 2025 15:32
Operator : RC/JU
Sample : Q3055-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

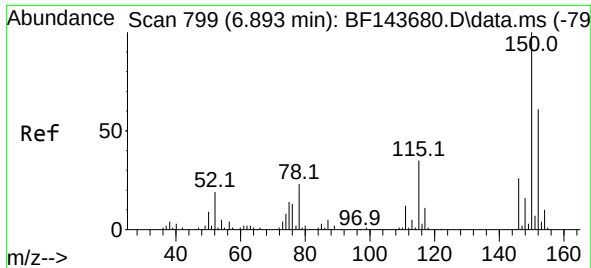
Instrument :
BNA_F
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OR-03-090925

Quant Time: Sep 11 15:53:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
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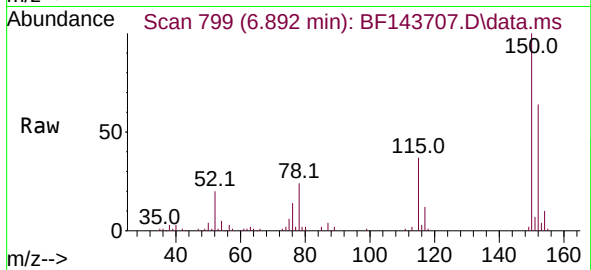
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

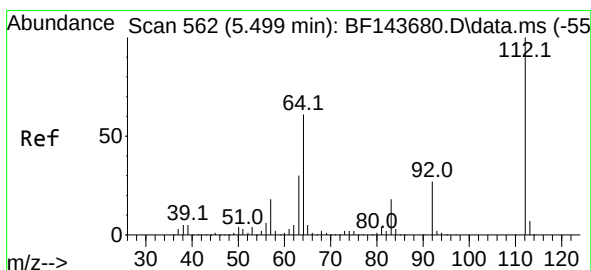
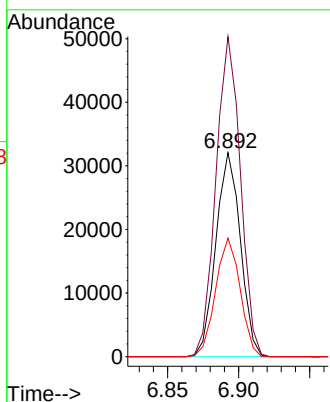
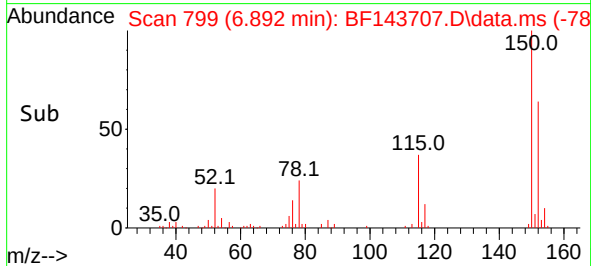
Instrument :
BNA_F
ClientSampleId :
OR-03-090925



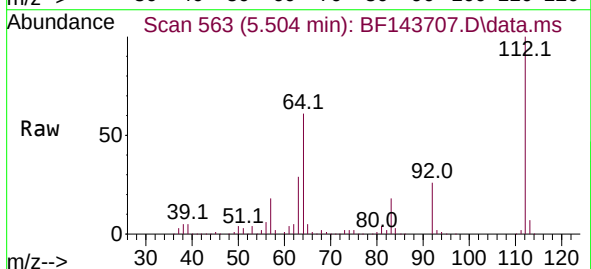
Tgt Ion:152 Resp: 3848
Ion Ratio Lower Upper
152 100
150 157.0 130.7 196.1
115 58.1 45.9 68.9

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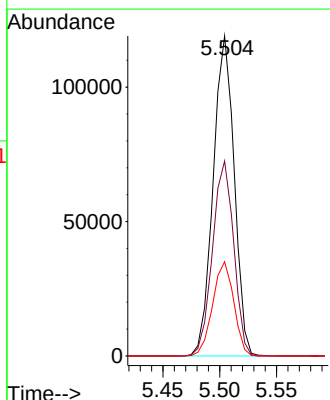
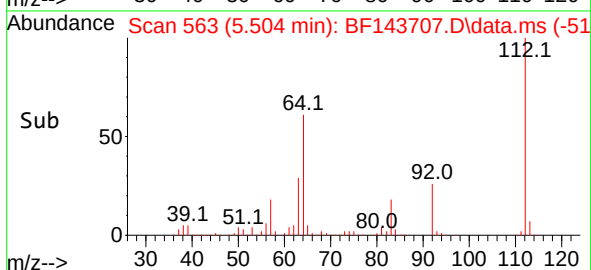
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

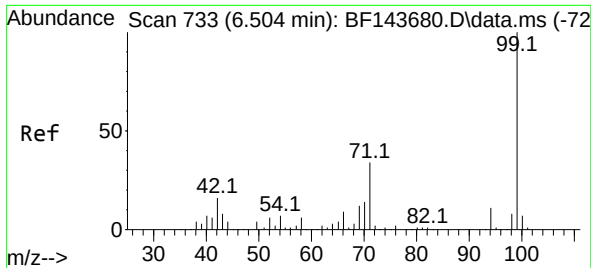


#5
2-Fluorophenol
Concen: 67.906 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32



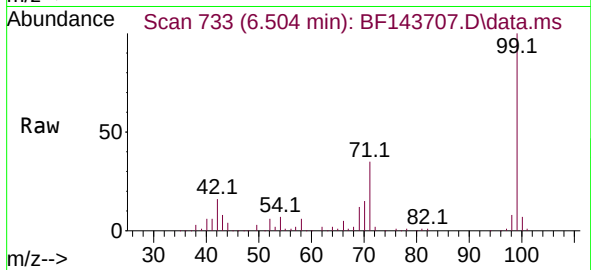
Tgt Ion:112 Resp: 153182
Ion Ratio Lower Upper
112 100
64 60.9 49.0 73.4
63 29.4 24.3 36.5





#7
Phenol-d6
Concen: 66.628 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

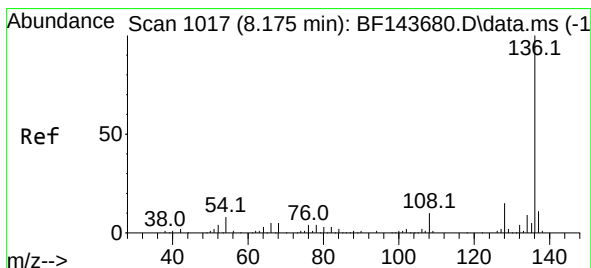
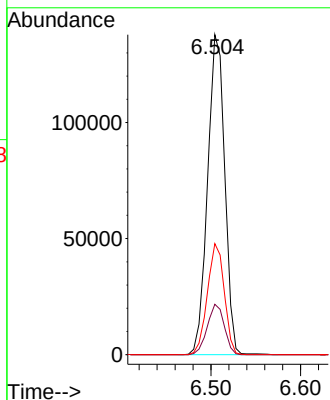
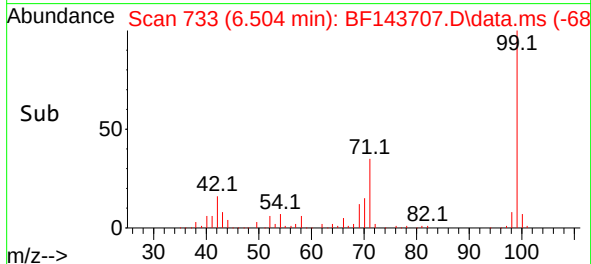
Instrument :
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ClientSampleId :
OR-03-090925



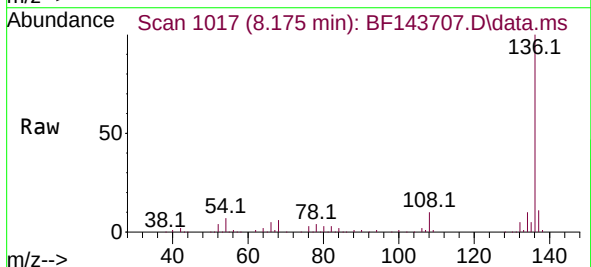
Tgt Ion: 99 Resp: 183003
Ion Ratio Lower Upper
99 100
42 15.7 13.0 19.4
71 34.7 27.4 41.2

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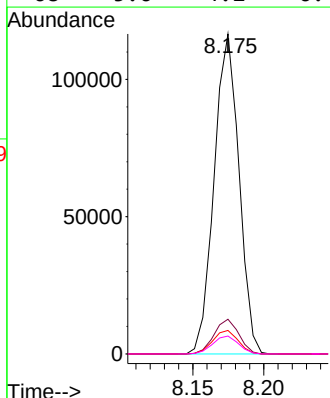
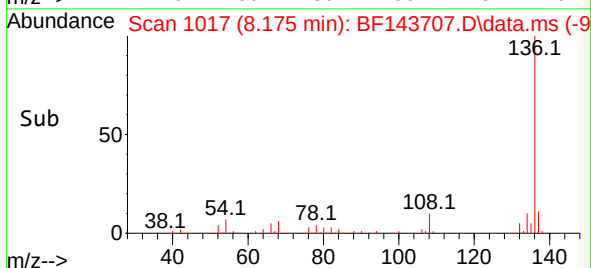
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

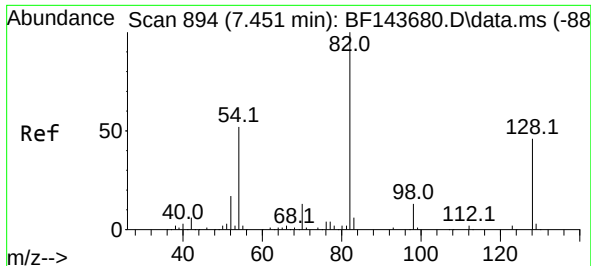


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32



Tgt Ion:136 Resp: 141505
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.3 6.2 9.2
68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 49.258 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143707.D

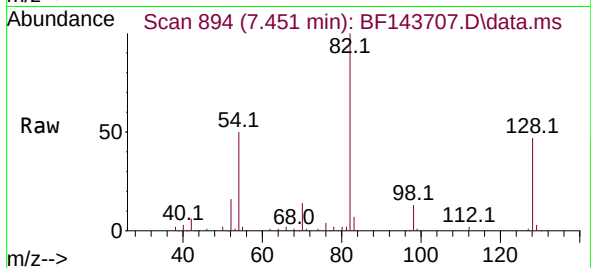
Acq: 11 Sep 2025 15:32

Instrument :

BNA_F

ClientSampleId :

OR-03-090925



Tgt Ion: 82 Resp: 112060

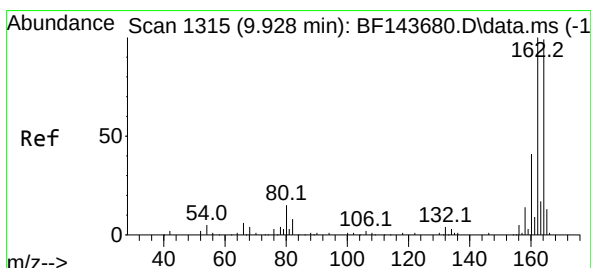
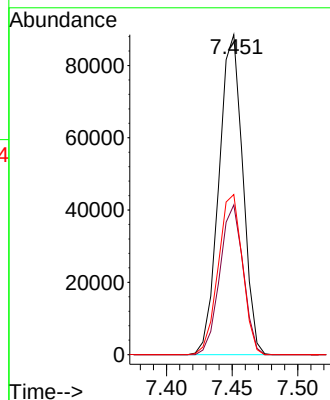
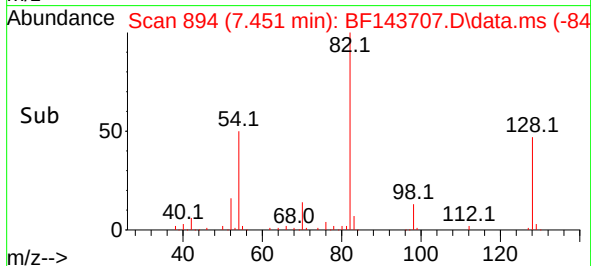
Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.0	55.4
54	50.0	41.8	62.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

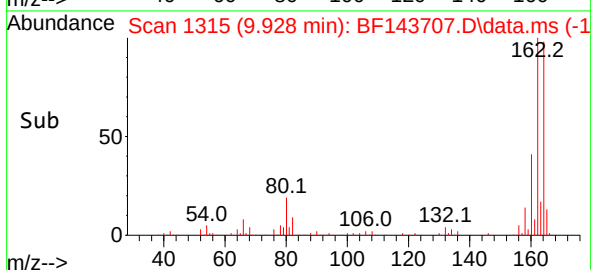
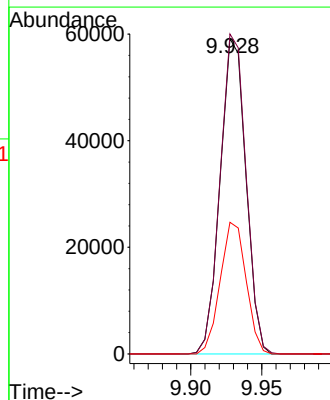
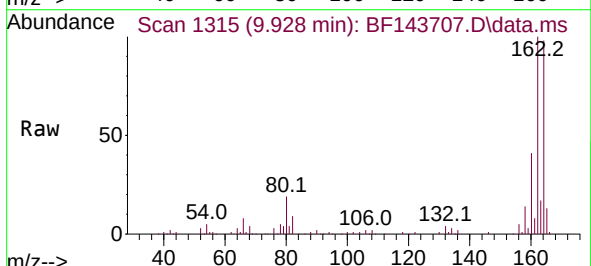
Delta R.T. -0.000 min

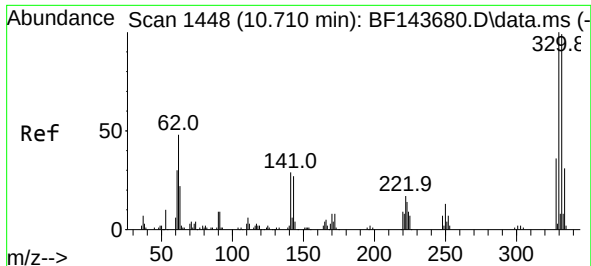
Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Tgt Ion:164 Resp: 74782

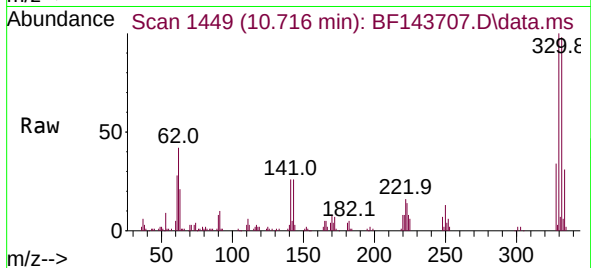
Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.6	121.0
160	41.8	33.0	49.4





#42
2,4,6-Tribromophenol
Concen: 62.871 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

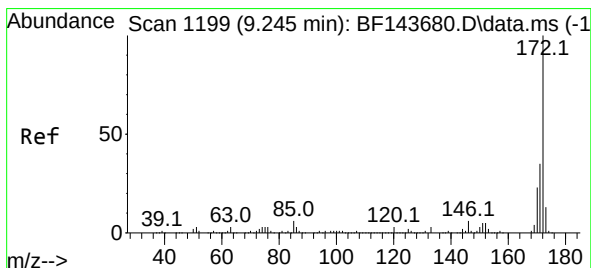
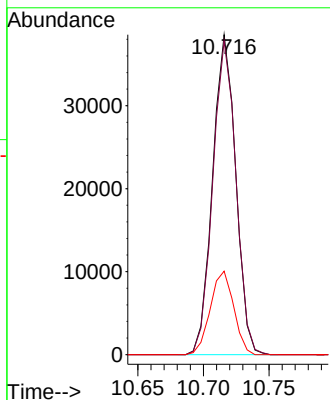
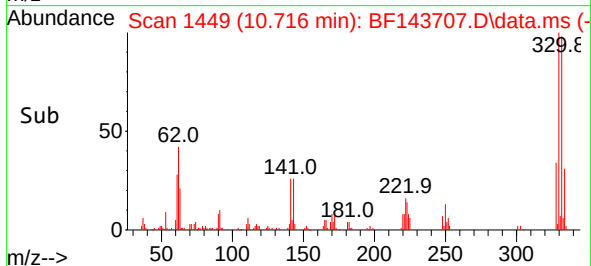
Instrument :
BNA_F
ClientSampleId :
OR-03-090925



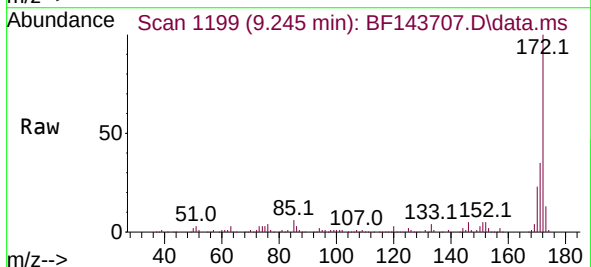
Tgt Ion: 330 Resp: 47382
Ion Ratio Lower Upper
330 100
332 98.1 79.2 118.8
141 26.4 22.2 33.4

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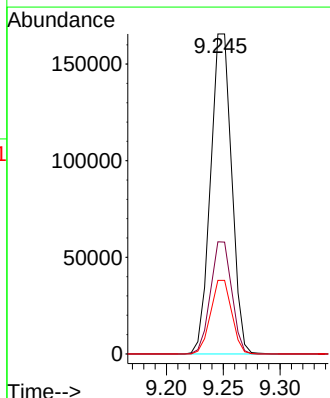
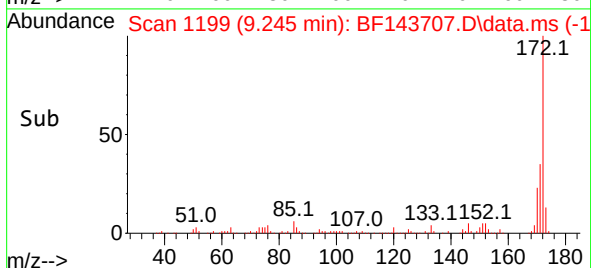
Reviewed By :Rahul Chavli 09/12/2025
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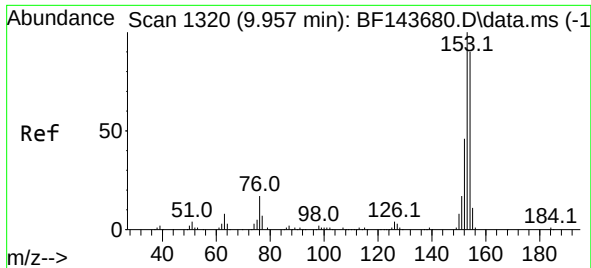


#45
2-Fluorobiphenyl
Concen: 43.315 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32



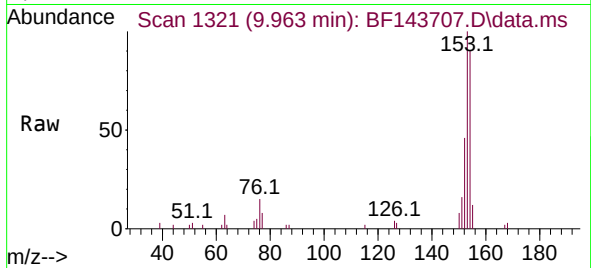
Tgt Ion: 172 Resp: 214428
Ion Ratio Lower Upper
172 100
171 35.0 27.9 41.9
170 23.0 18.6 27.8





#52
Acenaphthene
Concen: 2.240 ng
RT: 9.963 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

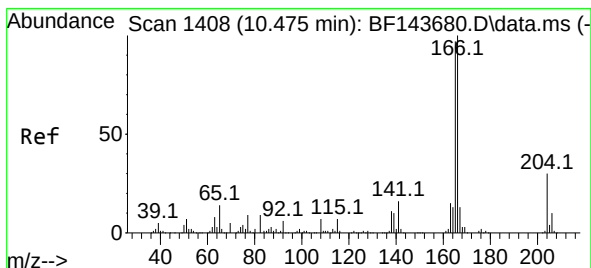
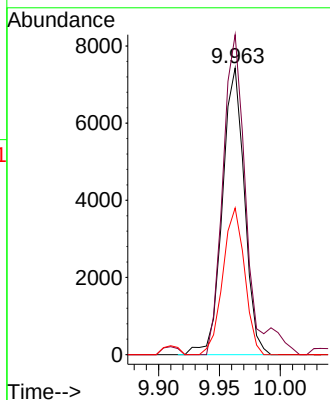
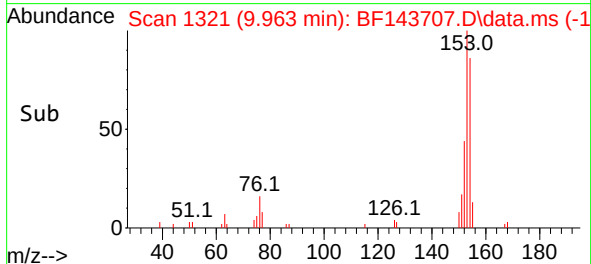
Instrument :
BNA_F
ClientSampleId :
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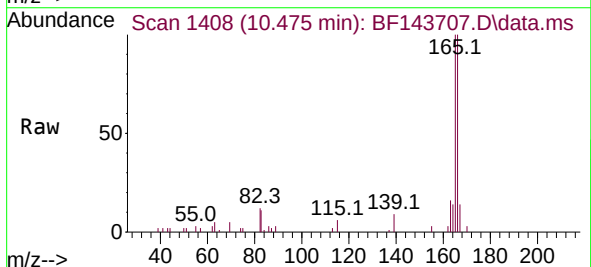
Tgt Ion:154 Resp: 9334
Ion Ratio Lower Upper
154 100
153 111.6 89.4 134.0
152 51.2 41.2 61.8

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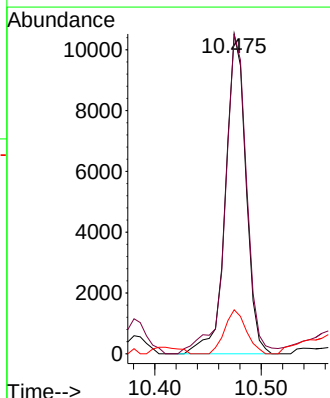
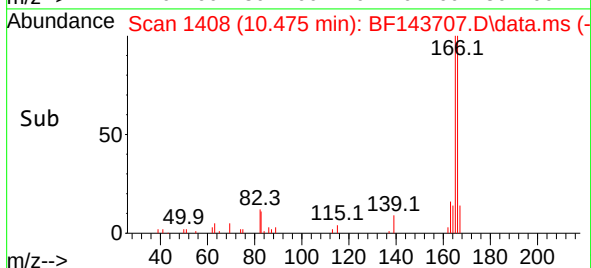
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

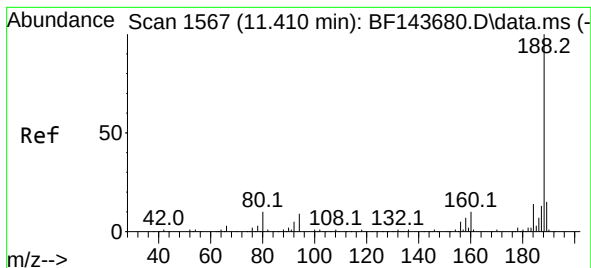


#58
Fluorene
Concen: 2.986 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32



Tgt Ion:166 Resp: 14002
Ion Ratio Lower Upper
166 100
165 99.8 77.5 116.3
167 13.8 10.2 15.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1567

Delta R.T. 0.006 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Instrument :

BNA_F

ClientSampleId :

OR-03-090925

Tgt Ion:188 Resp: 10623

Ion Ratio Lower Upper

188 100

94 9.0 7.4 11.0

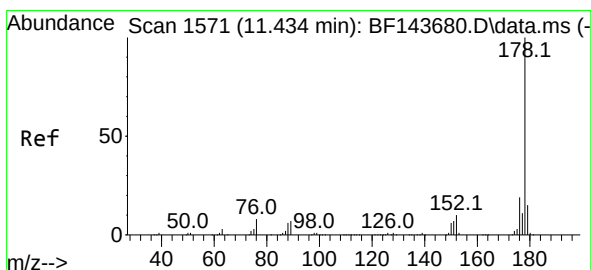
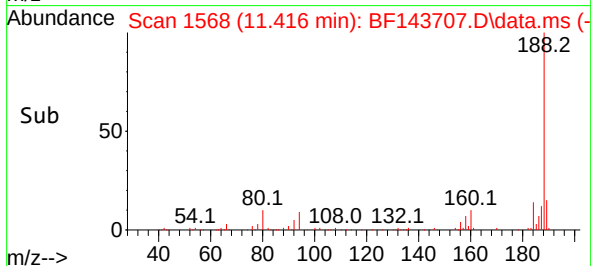
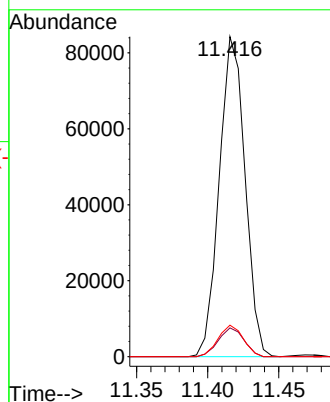
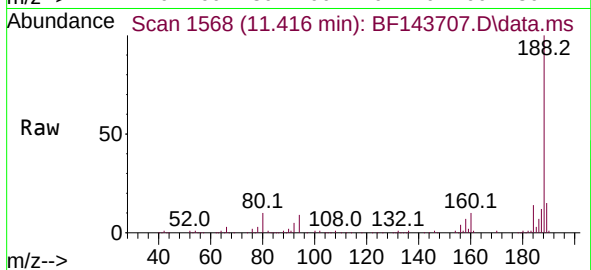
80 9.8 7.7 11.5

Manual Integrations

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#71

Phenanthrene

Concen: 21.512 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.006 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

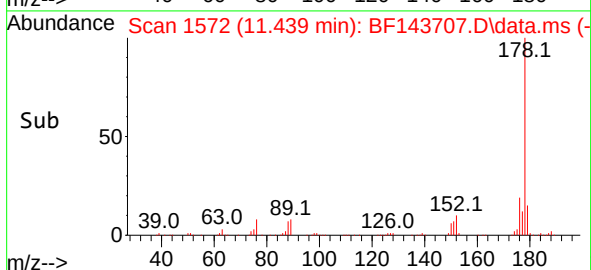
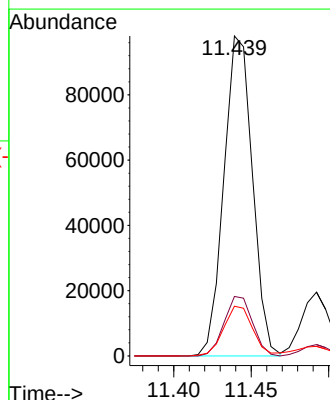
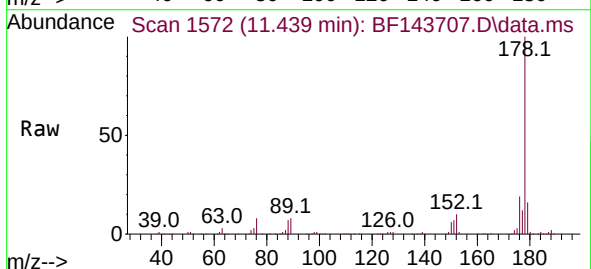
Tgt Ion:178 Resp: 125919

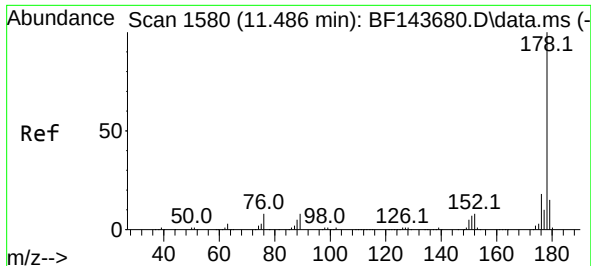
Ion Ratio Lower Upper

178 100

176 18.6 14.8 22.2

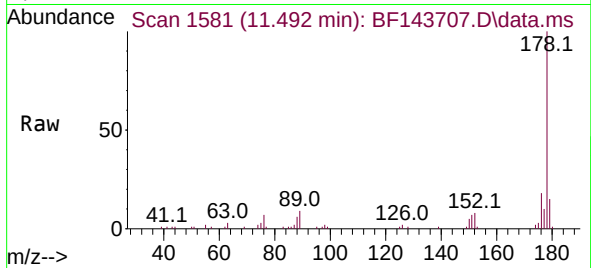
179 15.5 12.2 18.2





#72
 Anthracene
 Concen: 4.217 ng
 RT: 11.492 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF143707.D
 Acq: 11 Sep 2025 15:32

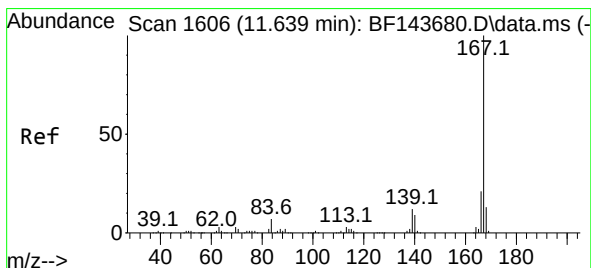
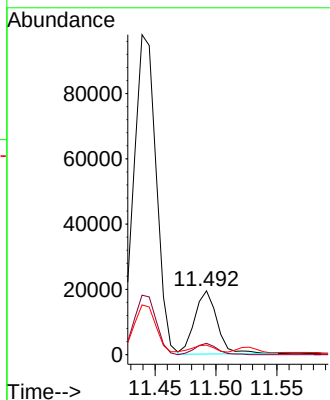
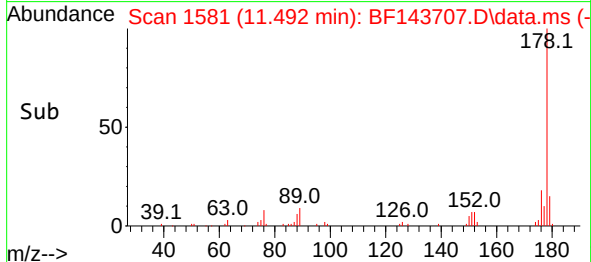
Instrument :
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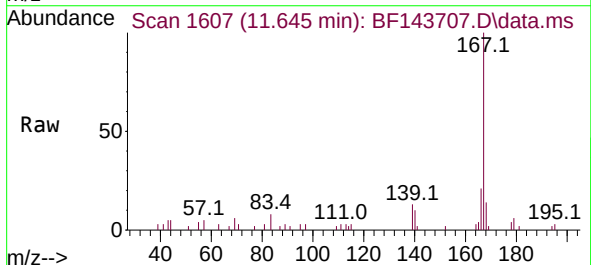
Tgt Ion:178 Resp: 2482
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.5 21.7
 179 15.0 12.2 18.2

Manual Integrations
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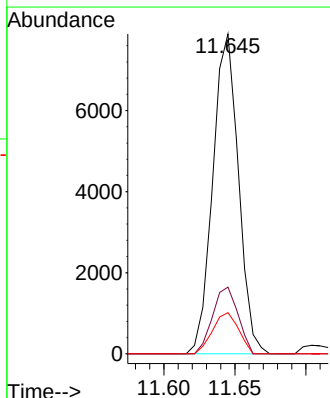
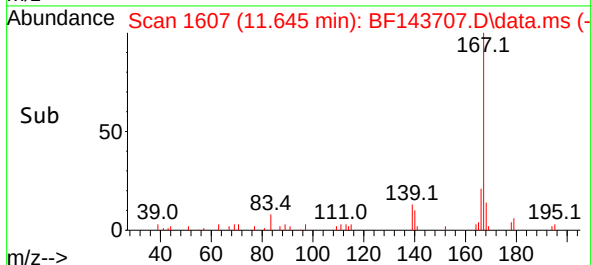
Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

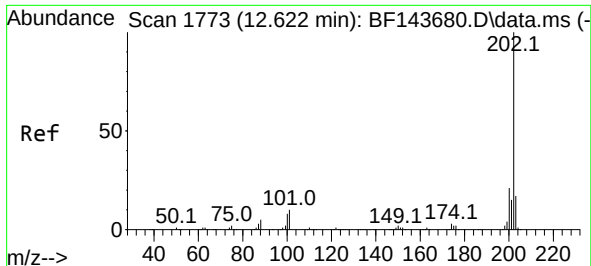


#73
 Carbazole
 Concen: 2.058 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. 0.006 min
 Lab File: BF143707.D
 Acq: 11 Sep 2025 15:32



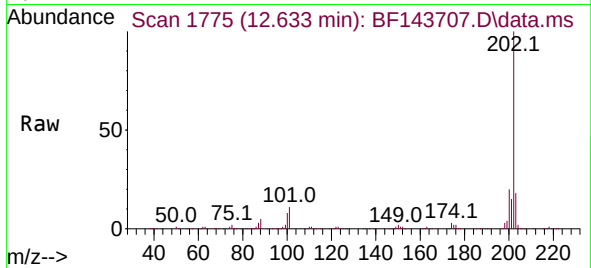
Tgt Ion:167 Resp: 9920
 Ion Ratio Lower Upper
 167 100
 166 20.9 17.0 25.4
 139 12.9 9.7 14.5





#75
Fluoranthene
Concen: 34.126 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.012 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

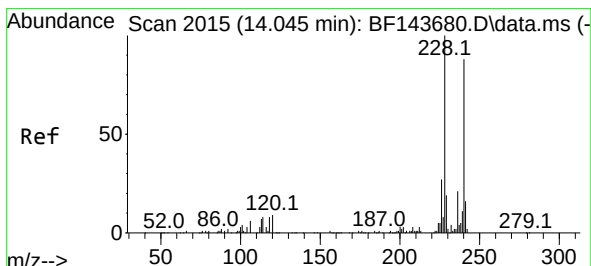
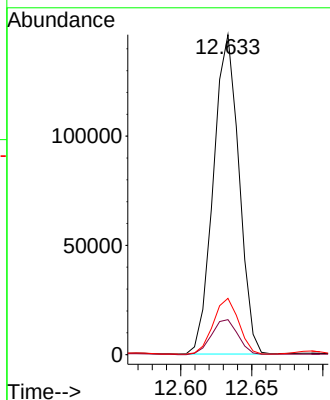
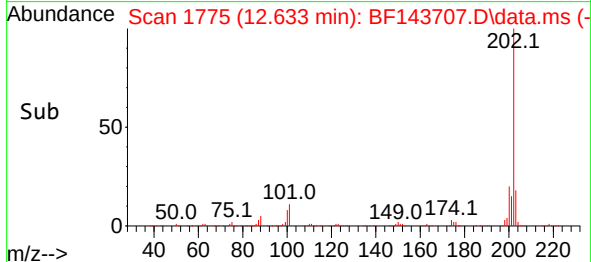
Instrument :
BNA_F
ClientSampleId :
OR-03-090925



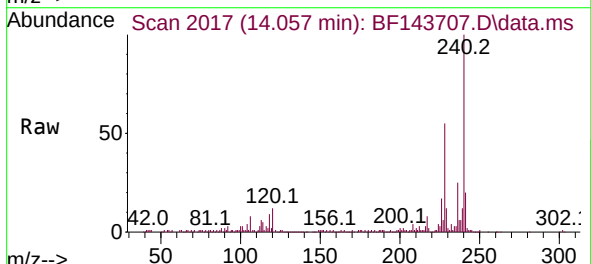
Tgt Ion:202 Resp: 183380
Ion Ratio Lower Upper
202 100
101 10.9 0.0 30.5
203 17.6 0.0 37.1

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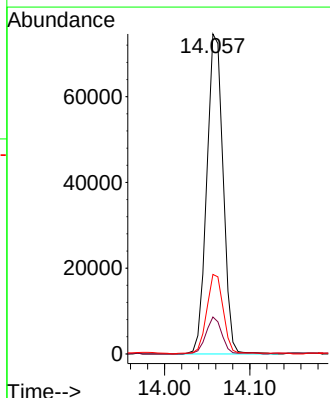
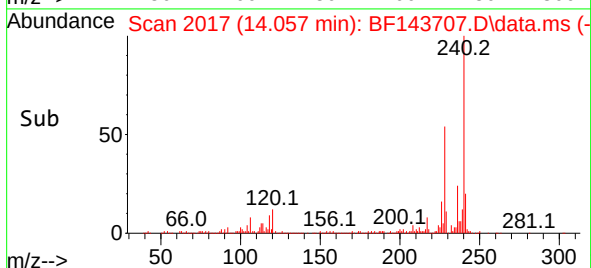
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

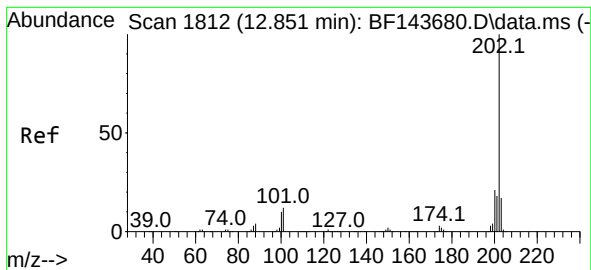


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32



Tgt Ion:240 Resp: 99143
Ion Ratio Lower Upper
240 100
120 11.5 8.4 12.6
236 24.8 18.6 28.0





#78

Pyrene

Concen: 21.856 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.012 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Instrument :

BNA_F

ClientSampleId :

OR-03-090925

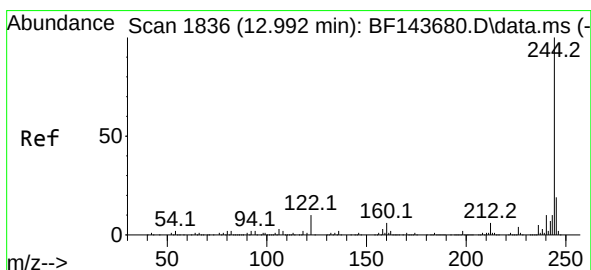
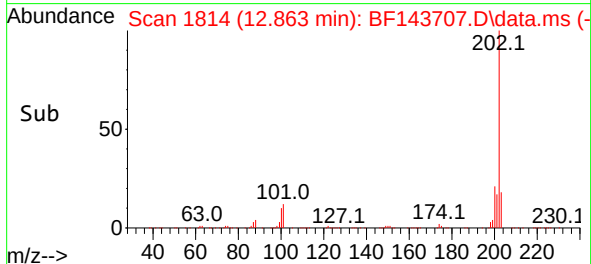
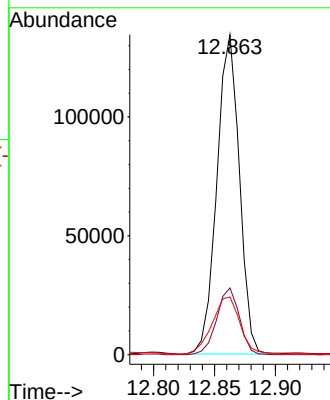
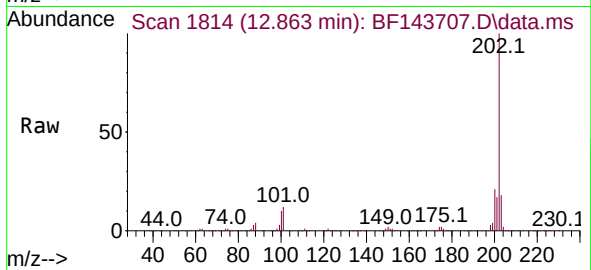
Tgt Ion:	202	Resp:	173252
Ion Ratio	Lower	Upper	
202	100		
200	20.8	16.6	24.8
203	18.0	13.5	20.3

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#79

Terphenyl-d14

Concen: 29.799 ng

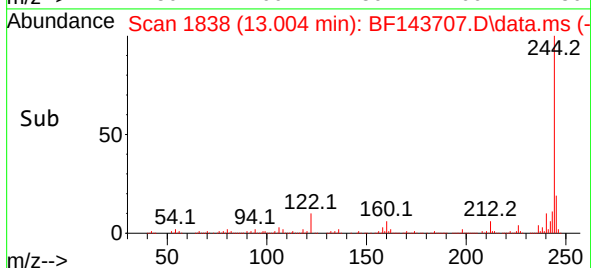
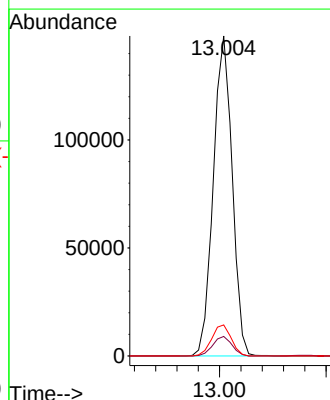
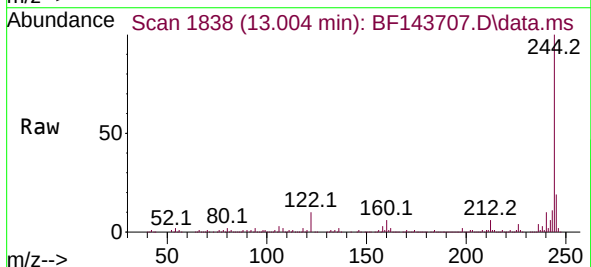
RT: 13.004 min Scan# 1838

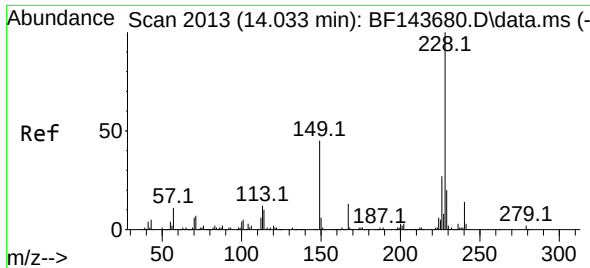
Delta R.T. 0.012 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

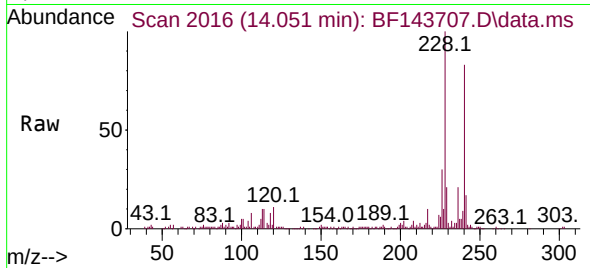
Tgt Ion:	244	Resp:	182307
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.0	7.6
122	9.7	7.9	11.9





#81
Benzo(a)anthracene
Concen: 13.921 ng
RT: 14.051 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

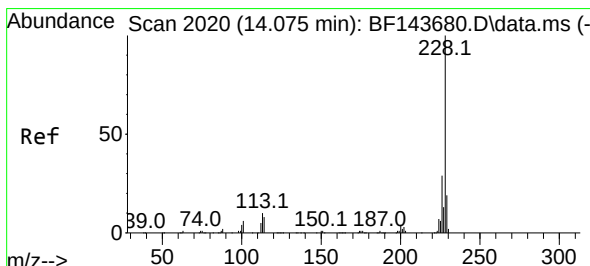
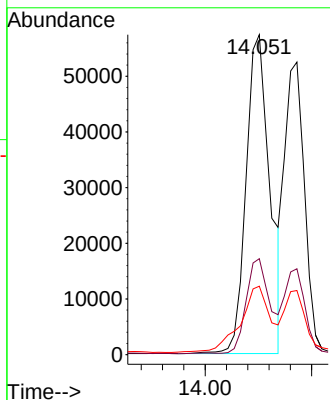
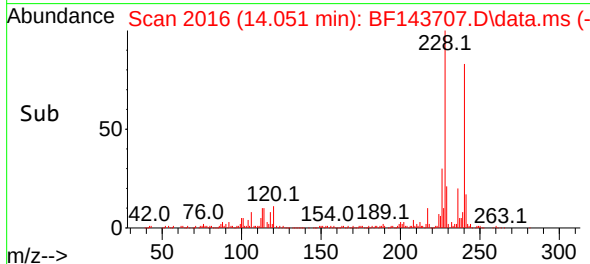
Instrument :
BNA_F
ClientSampleId :
OR-03-090925



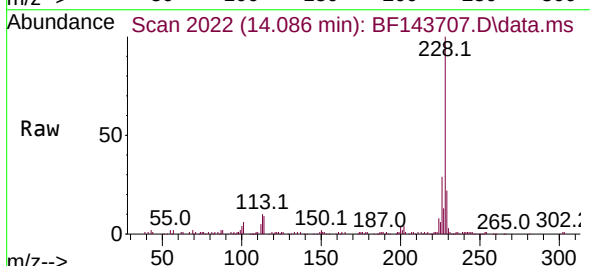
Tgt Ion:228 Resp: 88794
Ion Ratio Lower Upper
228 100
226 30.0 21.6 32.4
229 21.4 15.7 23.5

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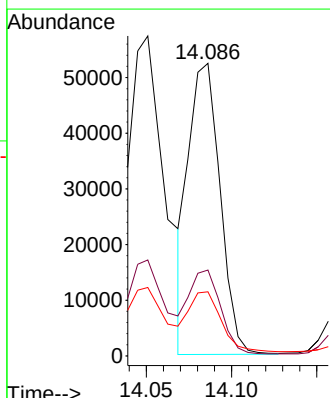
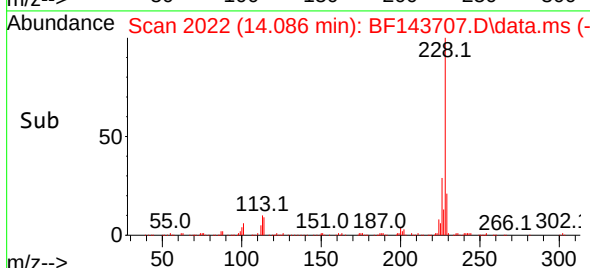
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

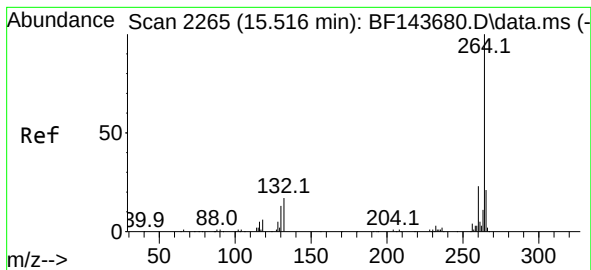


#83
Chrysene
Concen: 11.529 ng
RT: 14.086 min Scan# 2022
Delta R.T. 0.012 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32



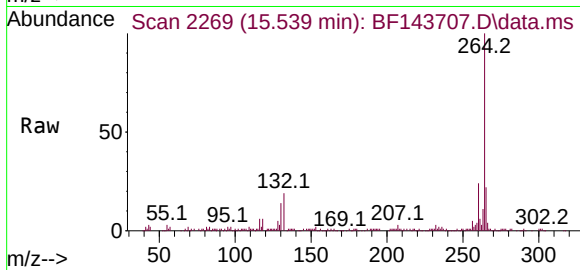
Tgt Ion:228 Resp: 67350
Ion Ratio Lower Upper
228 100
226 29.4 22.7 34.1
229 21.9 15.1 22.7





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

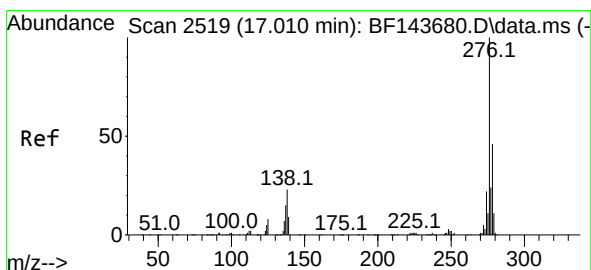
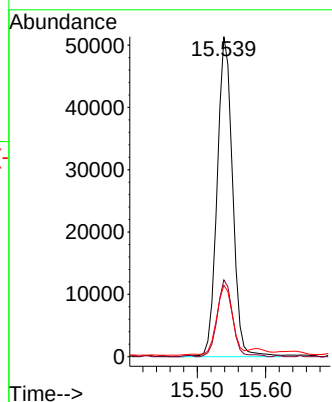
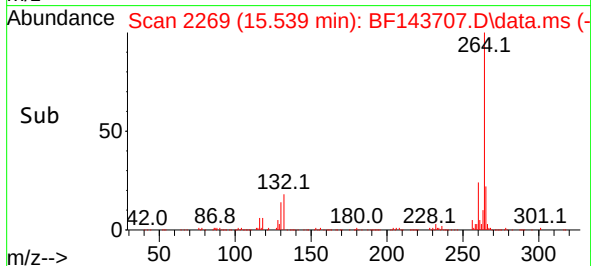
Instrument :
BNA_F
ClientSampleId :
OR-03-090925



Tgt Ion:264 Resp: 80372
Ion Ratio Lower Upper
264 100
260 24.0 18.4 27.6
265 22.3 17.1 25.7

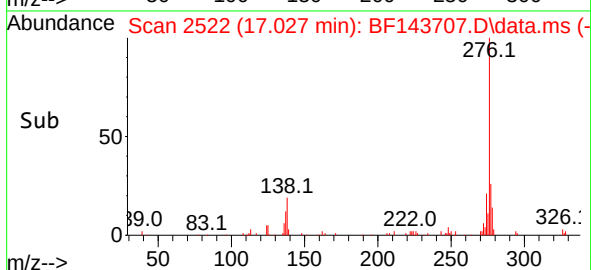
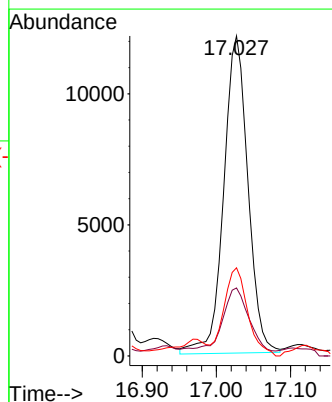
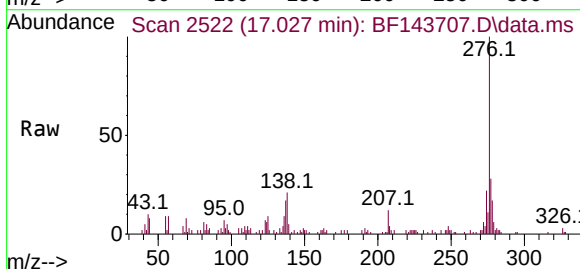
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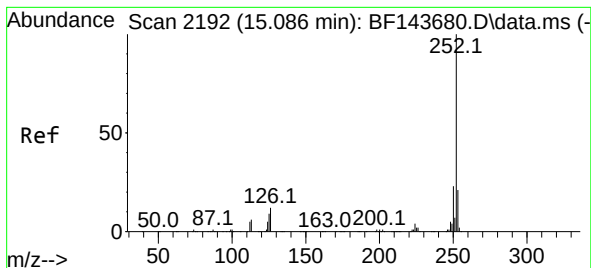
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.006 ng
RT: 17.027 min Scan# 2522
Delta R.T. 0.018 min
Lab File: BF143707.D
Acq: 11 Sep 2025 15:32

Tgt Ion:276 Resp: 27463
Ion Ratio Lower Upper
276 100
138 23.5 19.7 29.5
277 26.9 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 18.046 ng m

RT: 15.104 min Scan# 2195

Delta R.T. 0.017 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Instrument :

BNA_F

ClientSampleId :

OR-03-090925

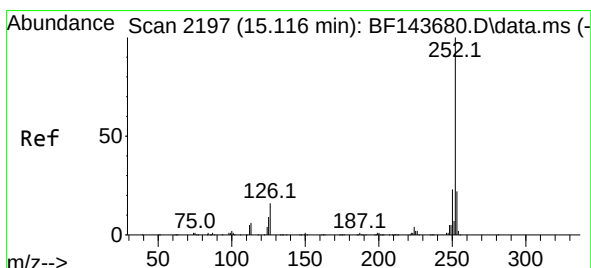
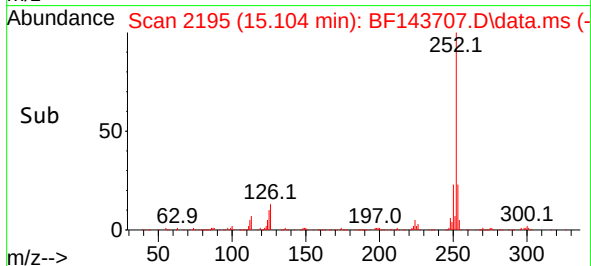
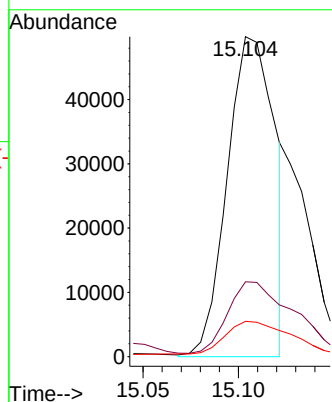
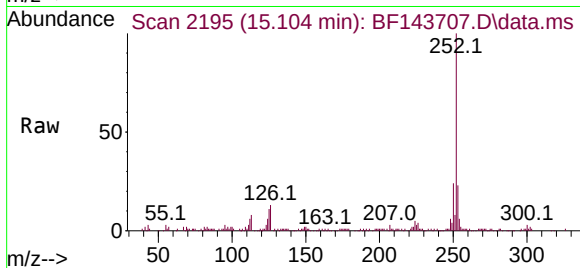
Tgt Ion:252 Resp: 86346
 Ion Ratio Lower Upper
 252 100
 253 23.4 17.0 25.4
 125 11.0 7.4 11.0

Manual Integrations

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Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#89

Benzo(k)fluoranthene

Concen: 7.183 ng m

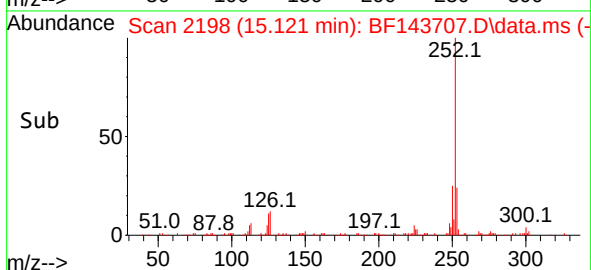
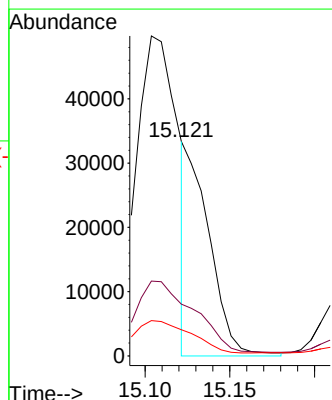
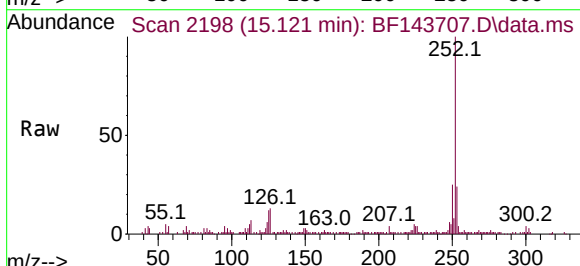
RT: 15.121 min Scan# 2198

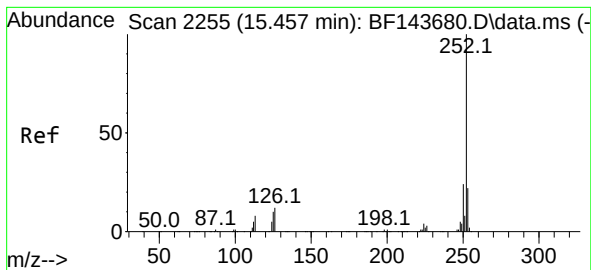
Delta R.T. 0.006 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Tgt Ion:252 Resp: 31017
 Ion Ratio Lower Upper
 252 100
 253 24.1 17.3 25.9
 125 12.2 7.3 10.9





#90

Benzo(a)pyrene

Concen: 13.421 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Instrument :

BNA_F

ClientSampleId :

OR-03-090925

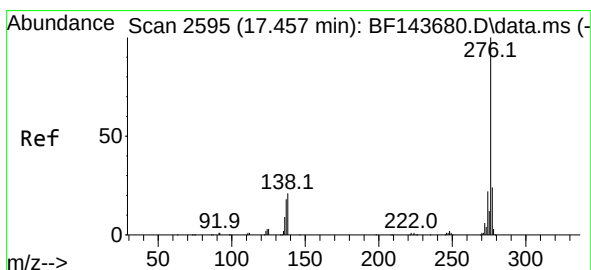
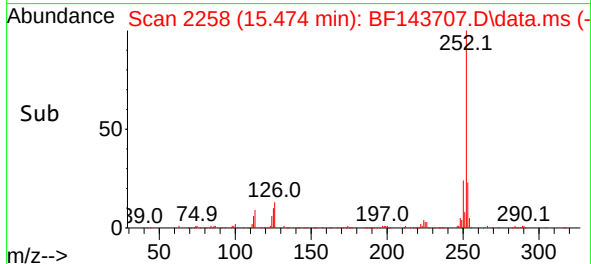
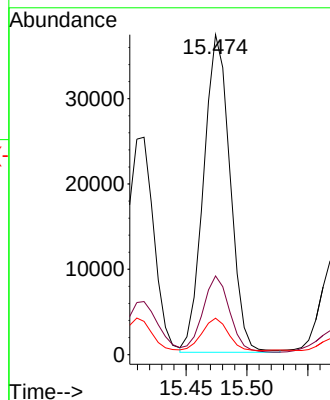
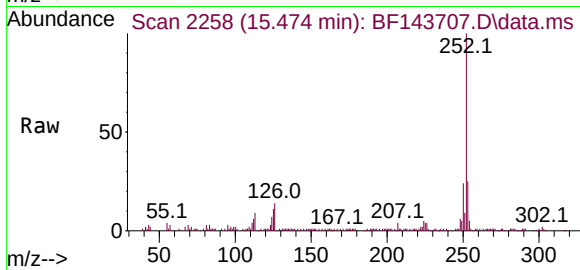
Tgt Ion:	252	Resp:	5641
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.4	26.0
125	11.4	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#92

Benzo(g,h,i)perylene

Concen: 6.766 ng

RT: 17.480 min Scan# 2599

Delta R.T. 0.023 min

Lab File: BF143707.D

Acq: 11 Sep 2025 15:32

Tgt Ion:	276	Resp:	28803
Ion Ratio	Lower	Upper	
276	100		
277	23.7	19.2	28.8
138	22.6	17.0	25.4

