

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143334.D
 Acq On : 06 Aug 2025 17:13
 Operator : RC/JU
 Sample : Q2774-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3826

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/07/2025
 Supervised By :Jagrut Upadhyay 08/07/2025

Quant Time: Aug 06 17:30:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	84345	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	311702	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	126375	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	163073	20.000	ng	# 0.02
76) Chrysene-d12	14.145	240	165920	20.000	ng	0.02
86) Perylene-d12	15.651	264	138999	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	386211	72.460	ng	0.01
7) Phenol-d6	6.592	99	440857	65.714	ng	0.00
23) Nitrobenzene-d5	7.516	82	278631	44.558	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	98005	75.069	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	554238	59.979	ng	0.00
79) Terphenyl-d14	13.086	244	423420	37.976	ng	0.02
Target Compounds						Qvalue
71) Phenanthrene	11.527	178	173215	20.005	ng	# 81
75) Fluoranthene	12.727	202	319035	40.143	ng	94
78) Pyrene	12.957	202	240427m	16.979	ng	
81) Benzo(a)anthracene	14.133	228	104763	9.431	ng	95
83) Chrysene	14.168	228	95168	9.529	ng	97
87) Indeno(1,2,3-cd)pyrene	17.192	276	38349	3.913	ng	95
88) Benzo(b)fluoranthene	15.204	252	114901m	13.531	ng	
89) Benzo(k)fluoranthene	15.221	252	42560m	5.617	ng	
90) Benzo(a)pyrene	15.586	252	59925	7.659	ng	# 69
92) Benzo(g,h,i)perylene	17.662	276	35945	4.658	ng	# 89

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

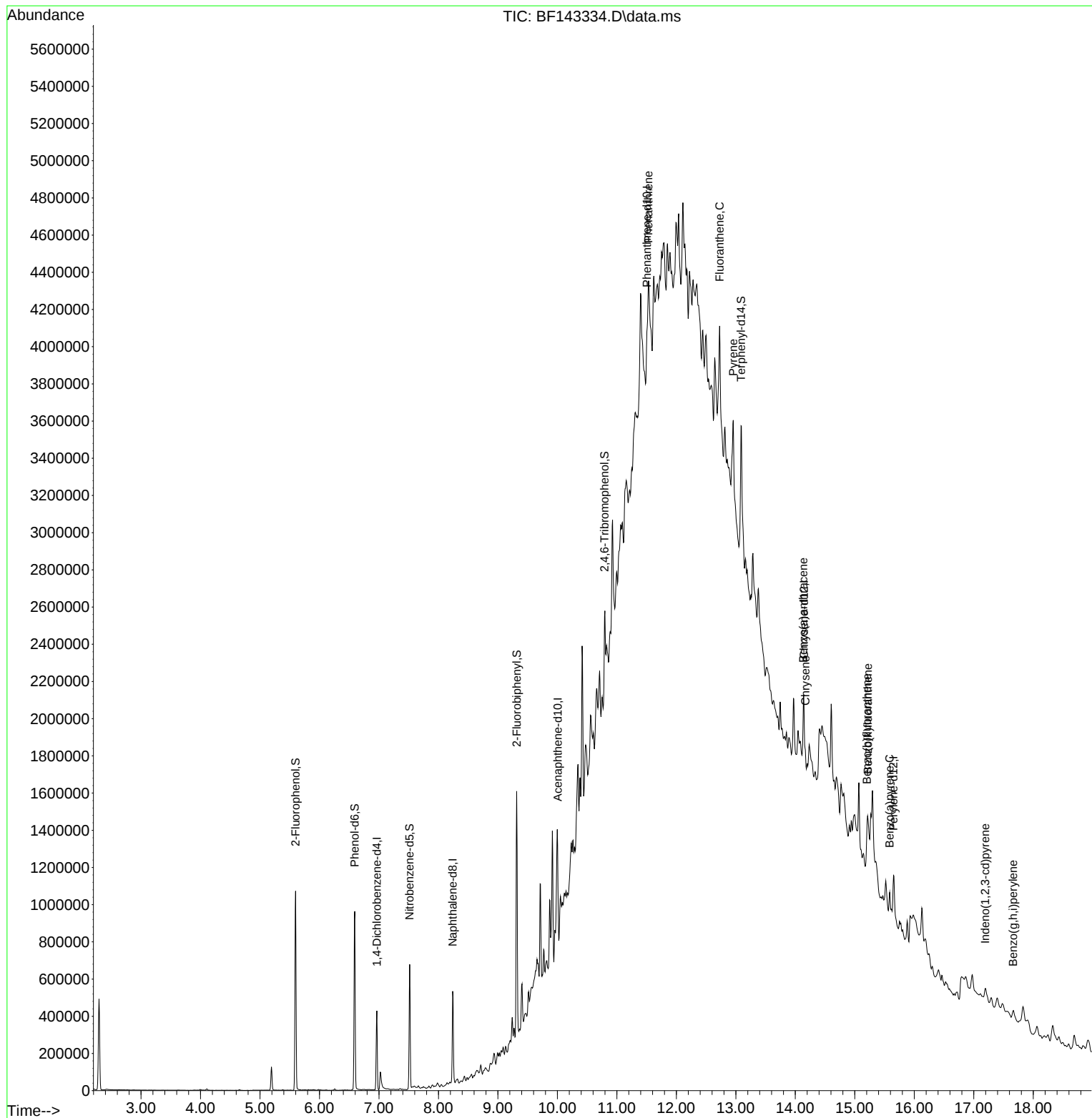
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
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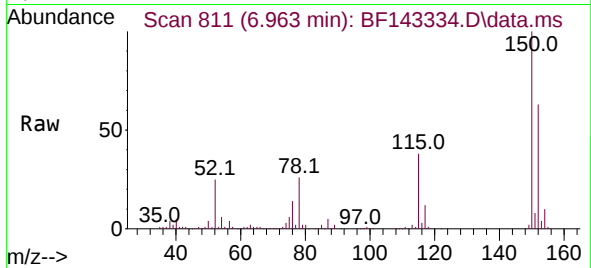
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

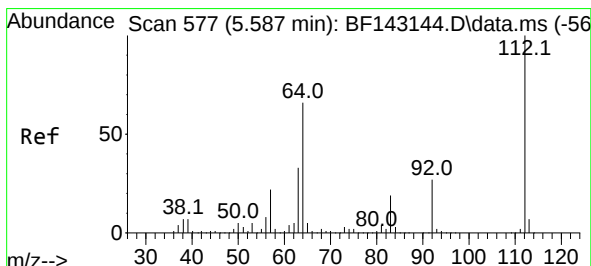
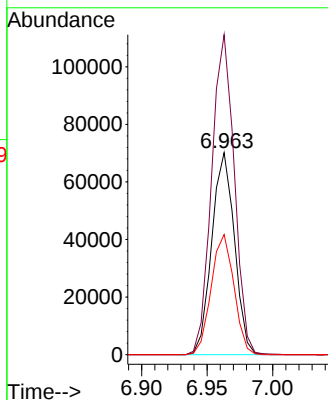
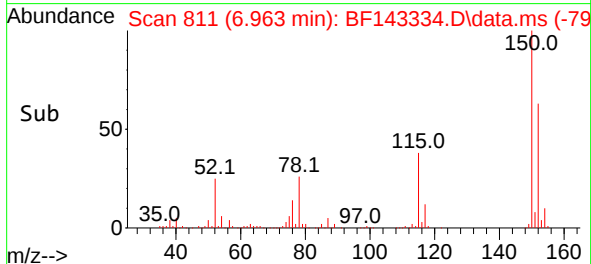
Instrument :
BNA_F
ClientSampleId :
RT3826



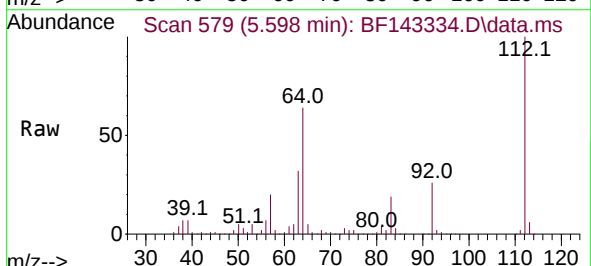
Tgt Ion:152 Resp: 84345
Ion Ratio Lower Upper
152 100
150 158.3 128.2 192.4
115 59.5 47.9 71.9

Manual Integrations
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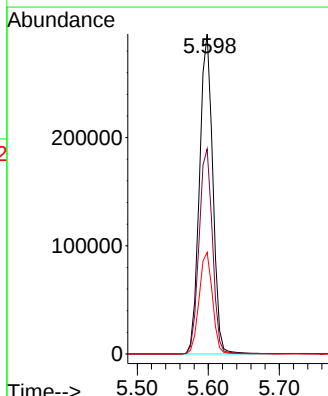
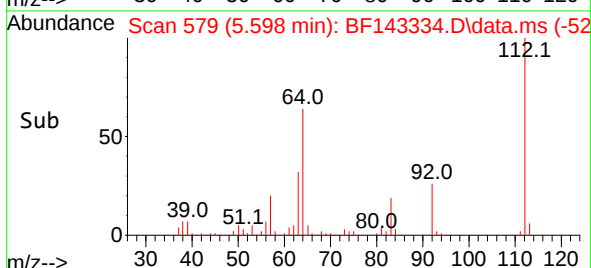
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

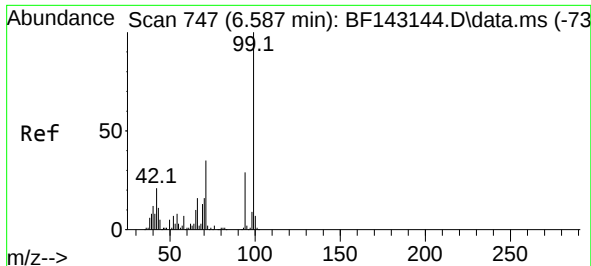


#5
2-Fluorophenol
Concen: 72.460 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13



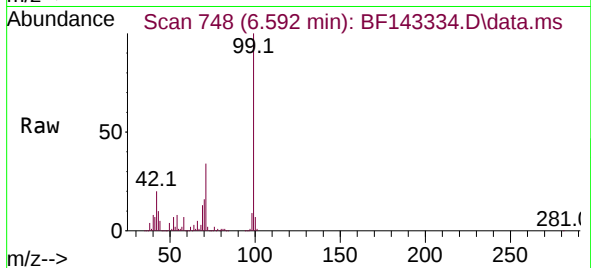
Tgt Ion:112 Resp: 386211
Ion Ratio Lower Upper
112 100
64 64.1 53.1 79.7
63 31.8 26.6 40.0





#7
Phenol-d6
Concen: 65.714 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

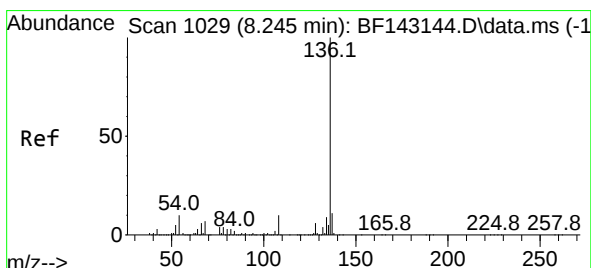
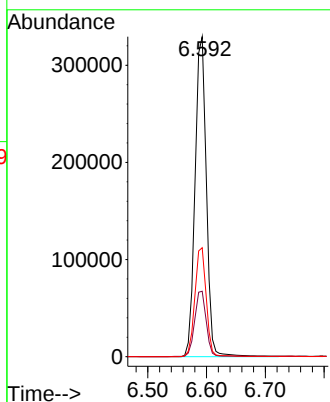
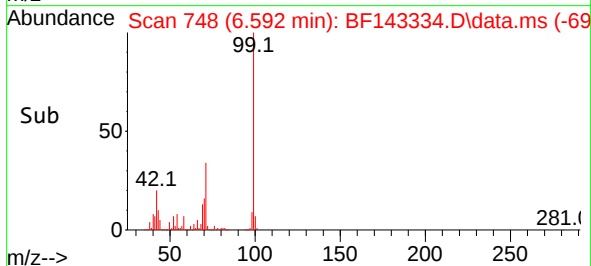
Instrument :
BNA_F
ClientSampleId :
RT3826



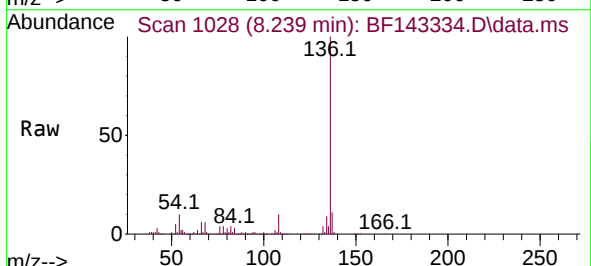
Tgt Ion: 99 Resp: 44085
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.6
71 34.1 27.7 41.5

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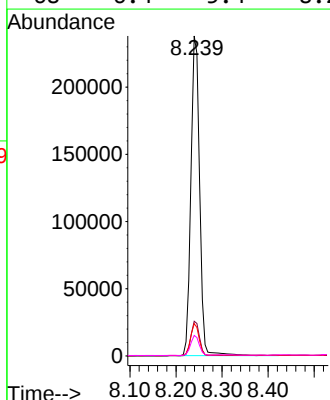
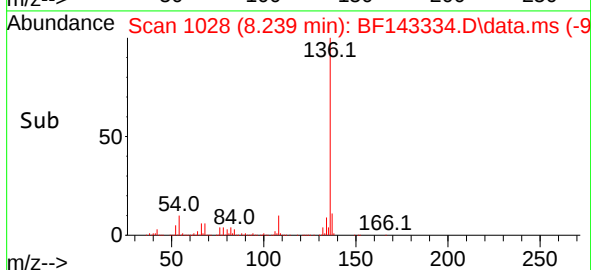
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

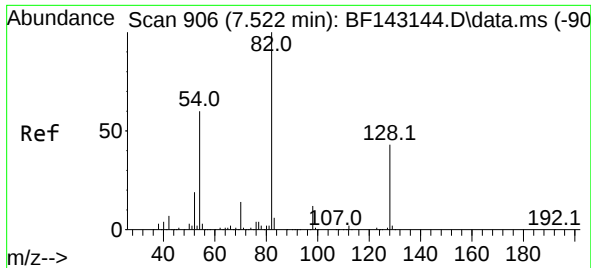


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13



Tgt Ion:136 Resp: 311702
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 10.1 8.2 12.2
68 6.4 5.4 8.2





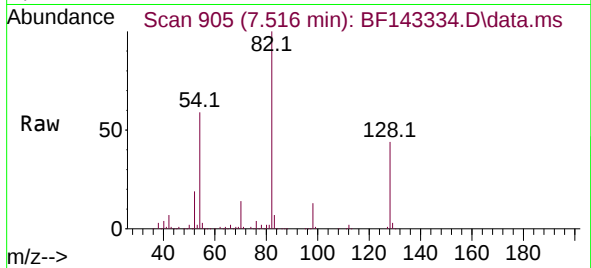
#23
Nitrobenzene-d5
Concen: 44.558 ng
RT: 7.516 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Instrument :

BNA_F

ClientSampleId :

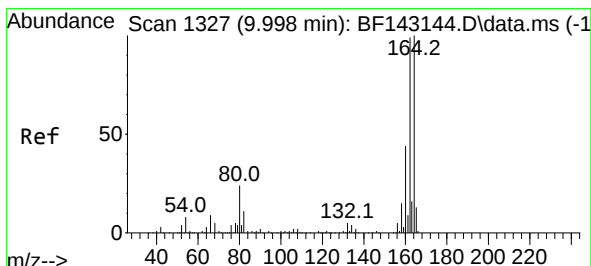
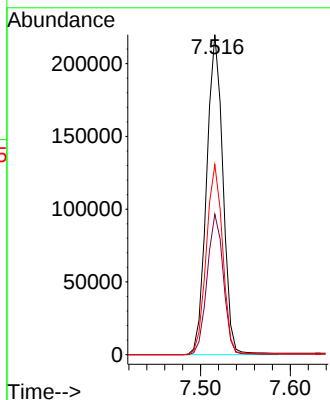
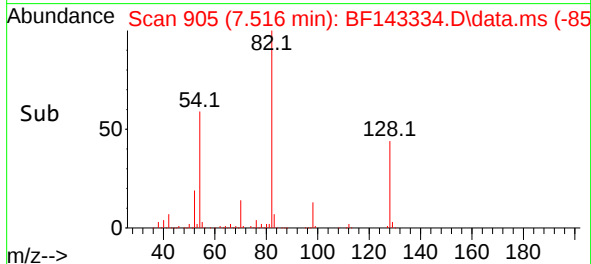
RT3826



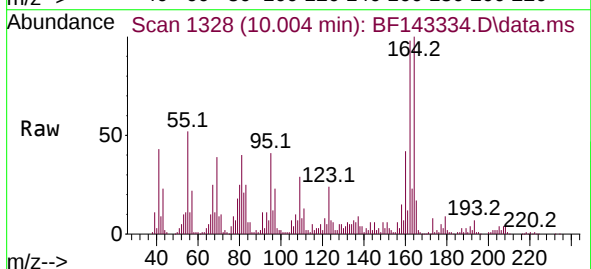
Tgt Ion: 82 Resp: 27863
Ion Ratio Lower Upper
82 100
128 43.9 33.6 50.4
54 59.4 47.1 70.7

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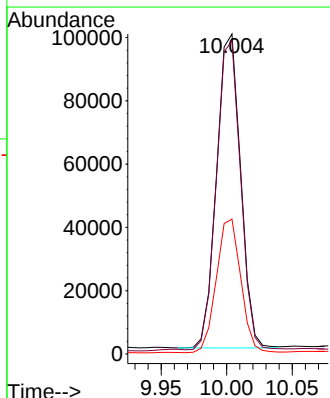
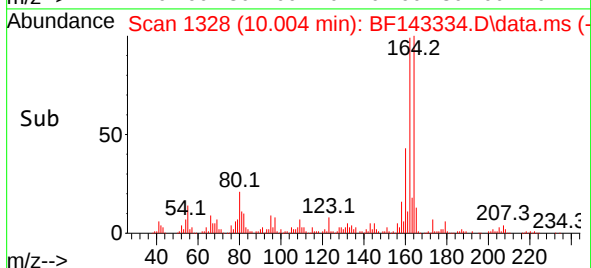
Reviewed By :Rahul Chavli 08/07/2025
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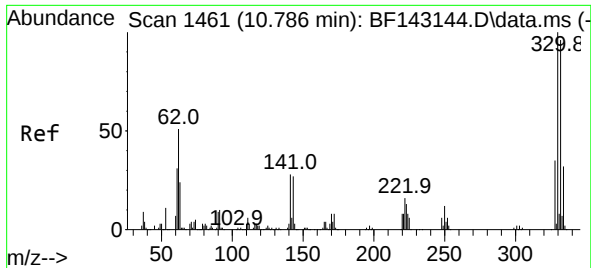


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13



Tgt Ion:164 Resp: 126375
Ion Ratio Lower Upper
164 100
162 97.8 79.0 118.6
160 42.1 35.1 52.7





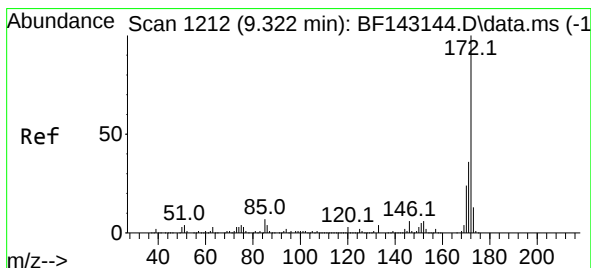
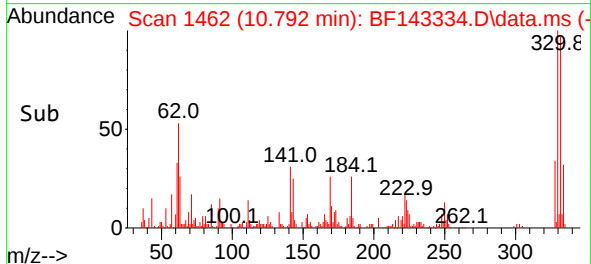
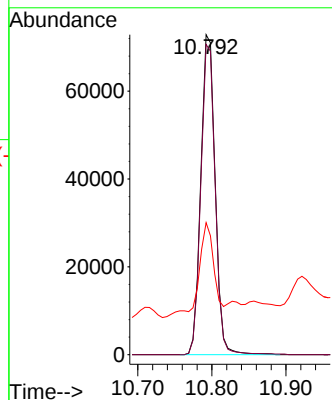
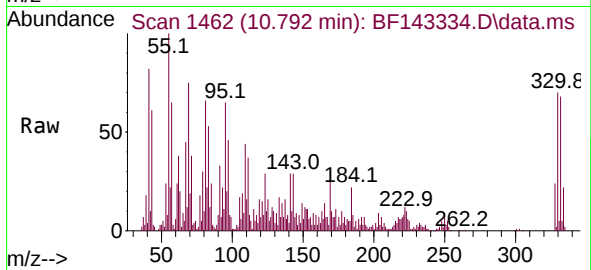
#42
2,4,6-Tribromophenol
Concen: 75.069 ng
RT: 10.792 min Scan# 1461
Delta R.T. 0.006 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Instrument :
BNA_F
ClientSampleId :
RT3826

Tgt Ion:330 Resp: 9800
Ion Ratio Lower Upper
330 100
332 96.9 76.7 115.1
141 31.5 23.3 34.9

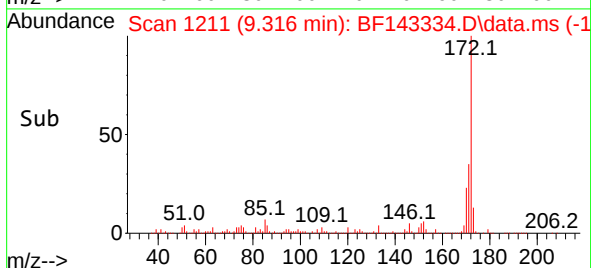
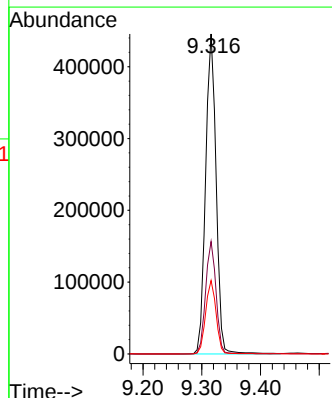
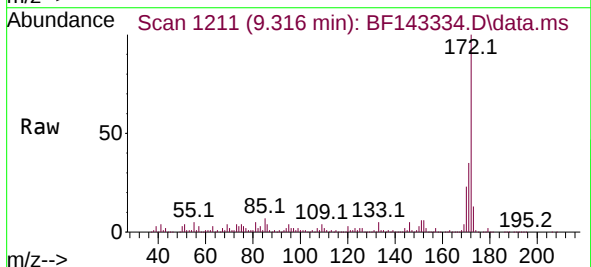
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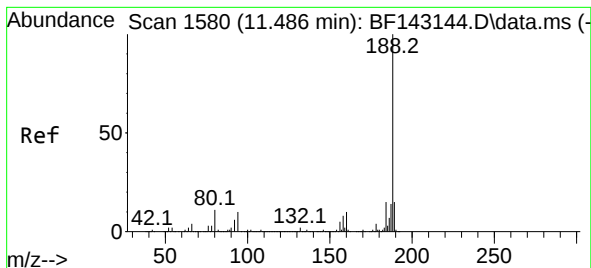
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#45
2-Fluorobiphenyl
Concen: 59.979 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Tgt Ion:172 Resp: 554238
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 22.9 18.8 28.2





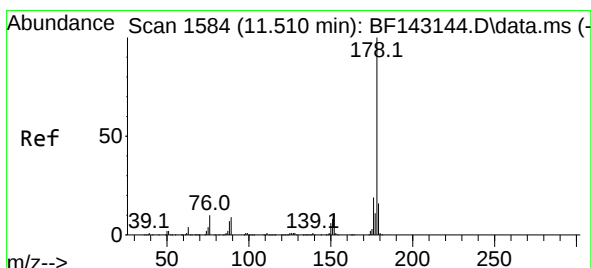
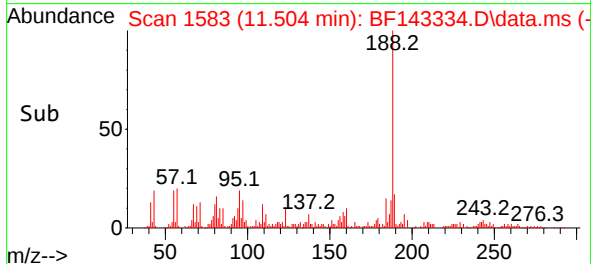
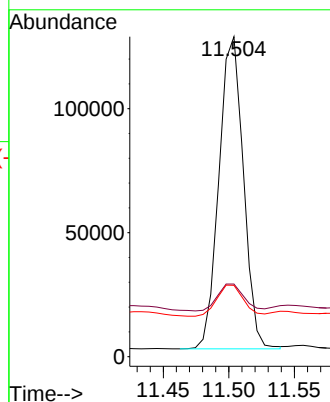
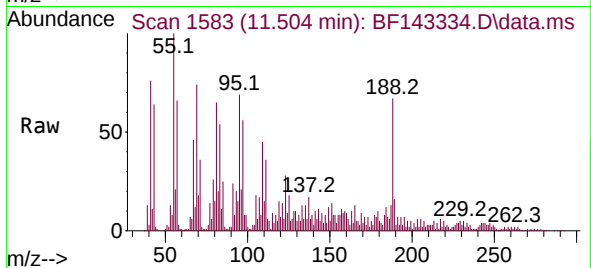
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 11
Delta R.T. 0.018 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Instrument :
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Tgt Ion:188 Resp: 16307
Ion Ratio Lower Upper
188 100
94 22.7 8.3 12.5
80 22.3 9.0 13.6

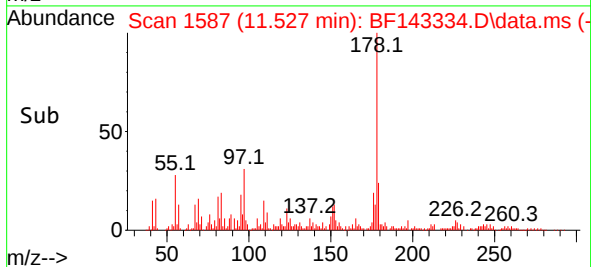
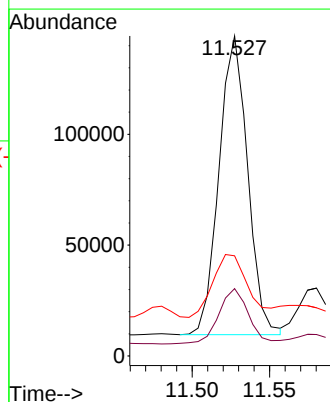
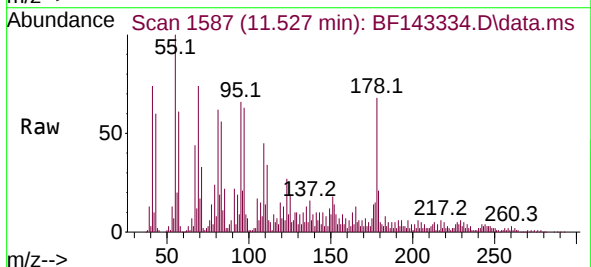
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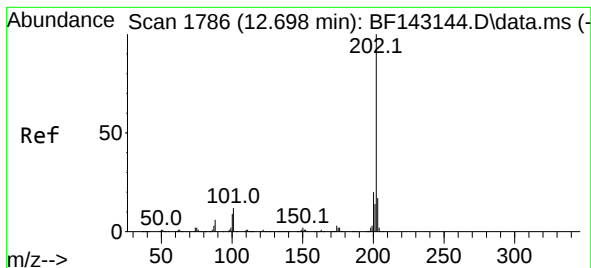
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#71
Phenanthrene
Concen: 20.005 ng
RT: 11.527 min Scan# 1587
Delta R.T. 0.018 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

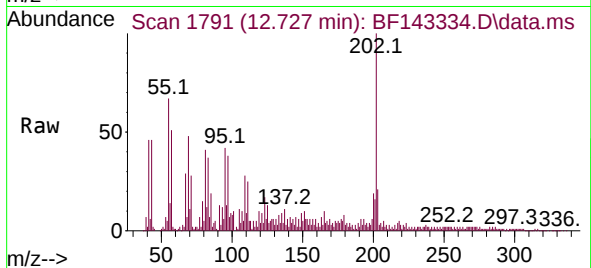
Tgt Ion:178 Resp: 173215
Ion Ratio Lower Upper
178 100
176 21.0 15.3 22.9
179 31.3 12.5 18.7#





#75
Fluoranthene
Concen: 40.143 ng
RT: 12.727 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

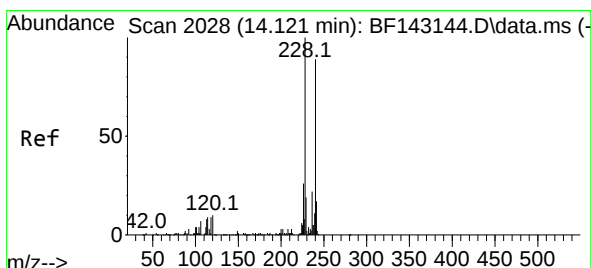
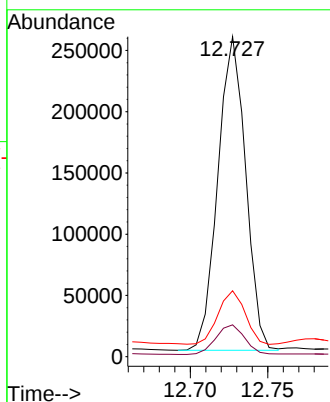
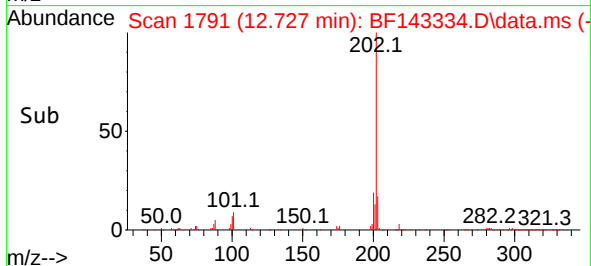
Instrument :
BNA_F
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RT3826



Tgt Ion:202 Resp: 31903
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.7
203 20.6 0.0 37.4

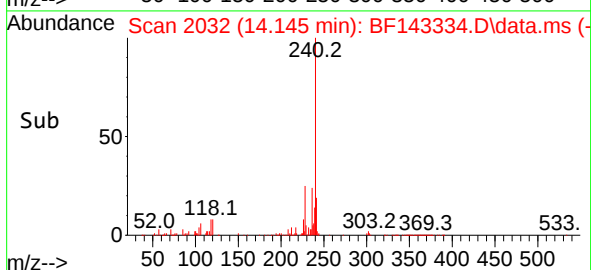
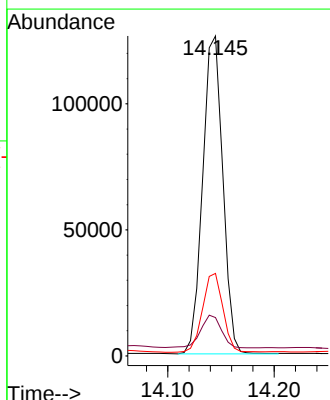
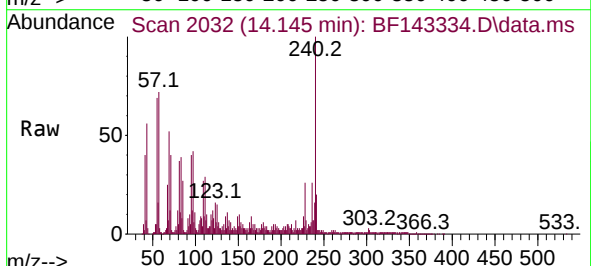
Manual Integrations
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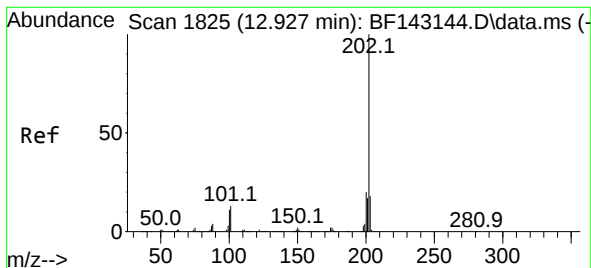
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2032
Delta R.T. 0.023 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Tgt Ion:240 Resp: 165920
Ion Ratio Lower Upper
240 100
120 12.0 9.4 14.2
236 25.8 20.2 30.4





#78

Pyrene

Concen: 16.979 ng m

RT: 12.957 min Scan# 1830

Delta R.T. 0.029 min

Lab File: BF143334.D

Acq: 06 Aug 2025 17:13

Instrument :

BNA_F

ClientSampleId :

RT3826

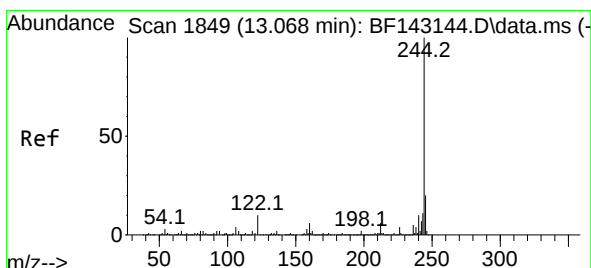
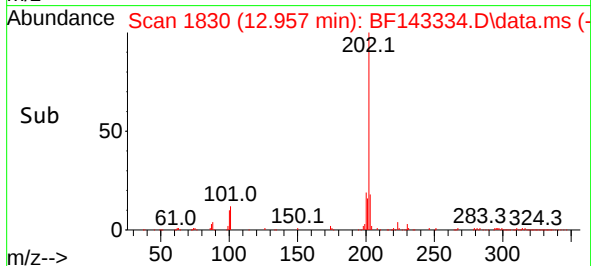
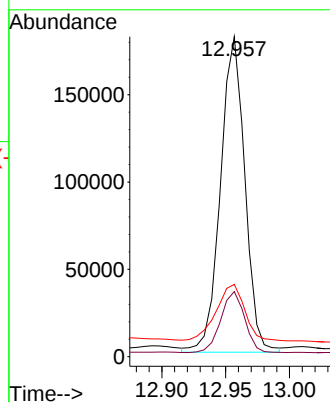
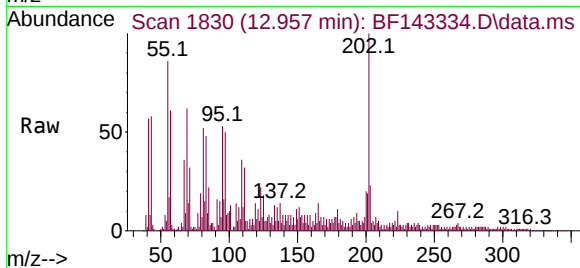
Tgt Ion:	202	Resp:	240420
Ion Ratio	Lower	Upper	
202	100		
200	20.4	15.7	23.5
203	22.6	14.2	21.2

Manual Integrations

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Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#79

Terphenyl-d14

Concen: 37.976 ng

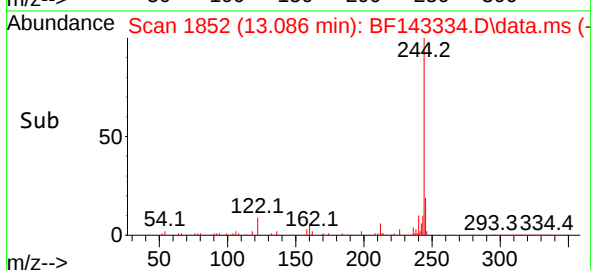
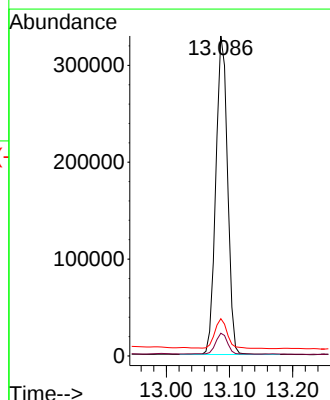
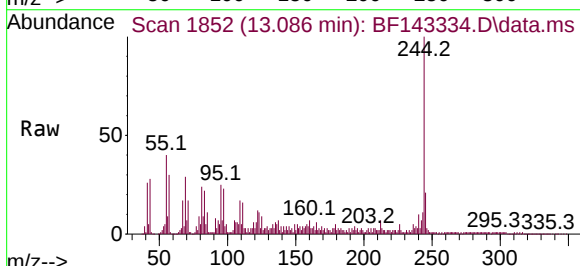
RT: 13.086 min Scan# 1852

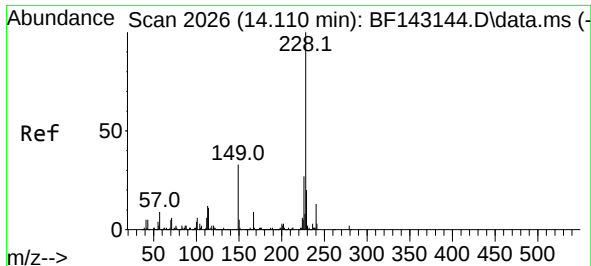
Delta R.T. 0.018 min

Lab File: BF143334.D

Acq: 06 Aug 2025 17:13

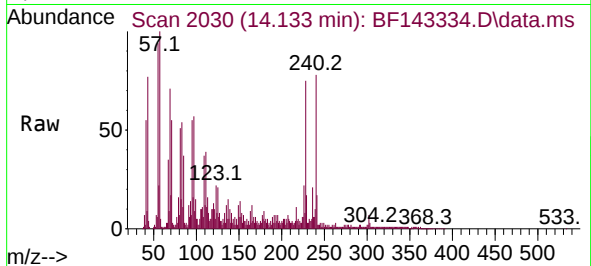
Tgt Ion:	244	Resp:	423420
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.2	7.8
122	11.7	8.2	12.2





#81
Benzo(a)anthracene
Concen: 9.431 ng
RT: 14.133 min Scan# 2026
Delta R.T. 0.023 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

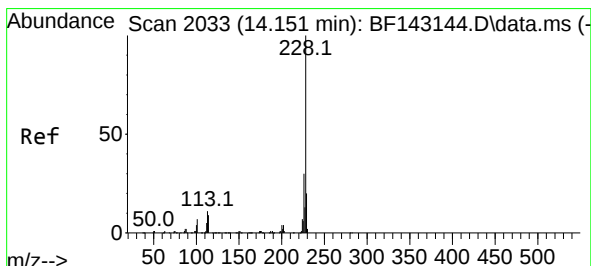
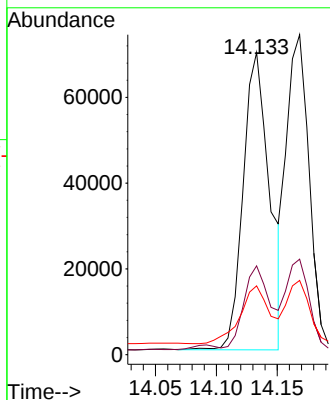
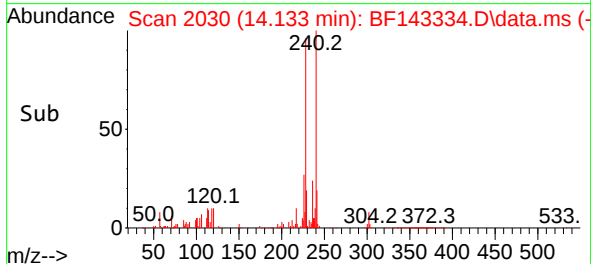
Instrument :
BNA_F
ClientSampleId :
RT3826



Tgt Ion:228 Resp: 10476
Ion Ratio Lower Upper
228 100
226 29.4 21.7 32.5
229 22.8 15.8 23.6

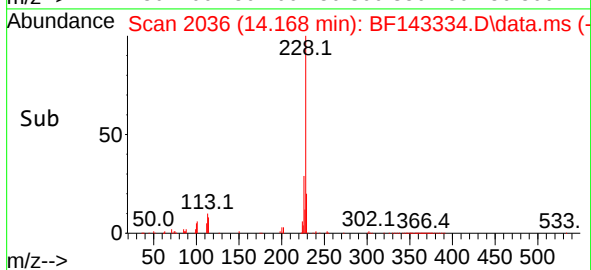
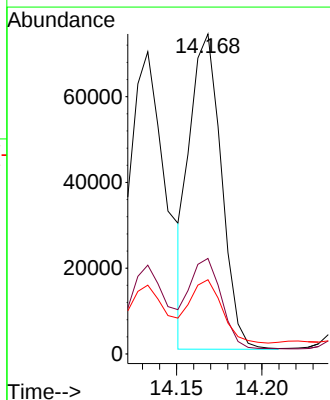
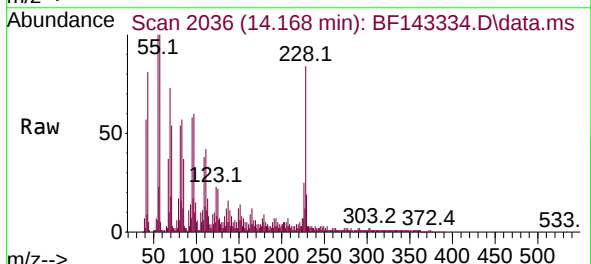
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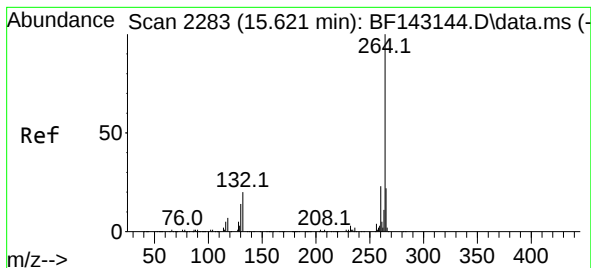
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#83
Chrysene
Concen: 9.529 ng
RT: 14.168 min Scan# 2036
Delta R.T. 0.018 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Tgt Ion:228 Resp: 95168
Ion Ratio Lower Upper
228 100
226 29.9 23.8 35.8
229 23.2 15.6 23.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF143334.D

Acq: 06 Aug 2025 17:13

Instrument :

BNA_F

ClientSampleId :

RT3826

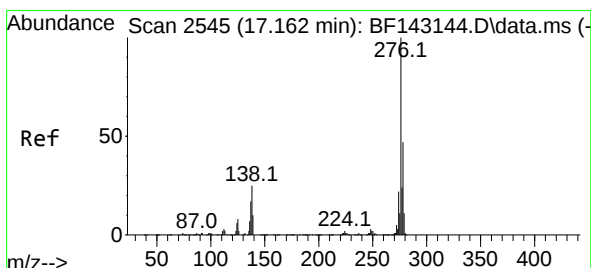
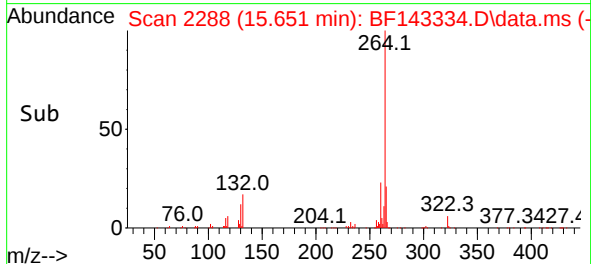
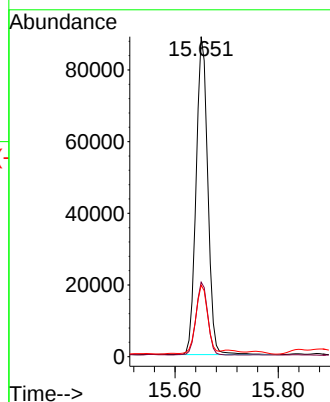
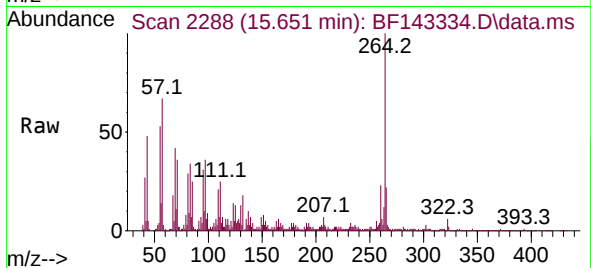
Tgt Ion:264 Resp: 138999
 Ion Ratio Lower Upper
 264 100
 260 23.3 18.5 27.7
 265 22.3 17.4 26.2

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Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.913 ng

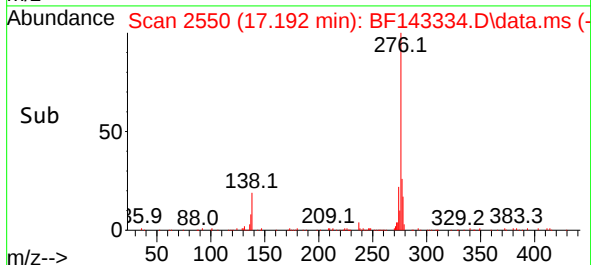
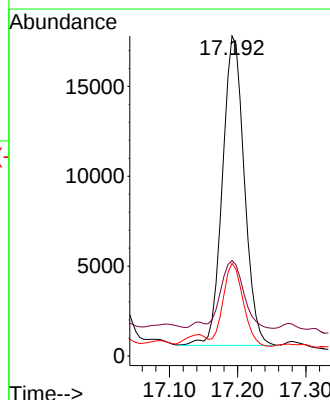
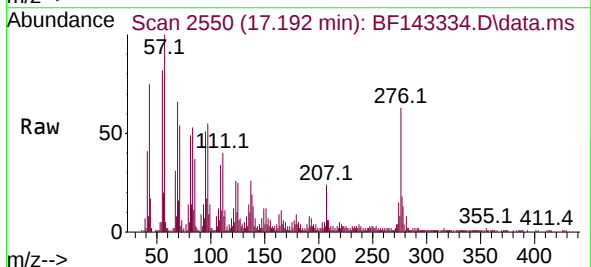
RT: 17.192 min Scan# 2550

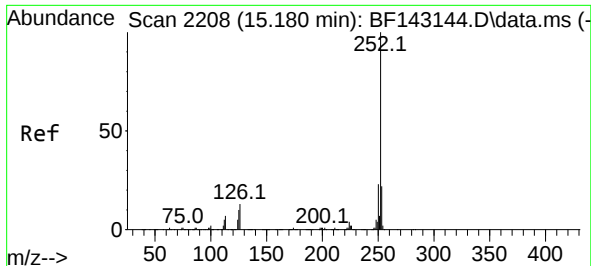
Delta R.T. 0.029 min

Lab File: BF143334.D

Acq: 06 Aug 2025 17:13

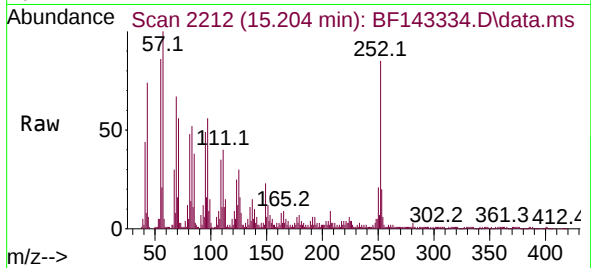
Tgt Ion:276 Resp: 38349
 Ion Ratio Lower Upper
 276 100
 138 22.7 21.8 32.6
 277 25.1 20.0 30.0





#88
Benzo(b)fluoranthene
Concen: 13.531 ng m
RT: 15.204 min Scan# 2115
Delta R.T. 0.023 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

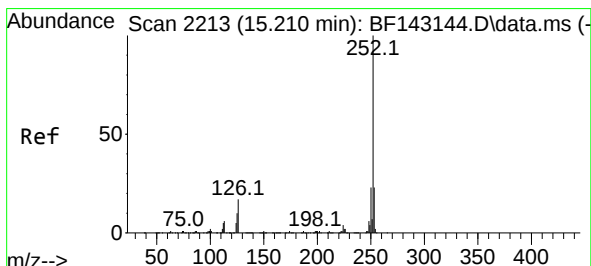
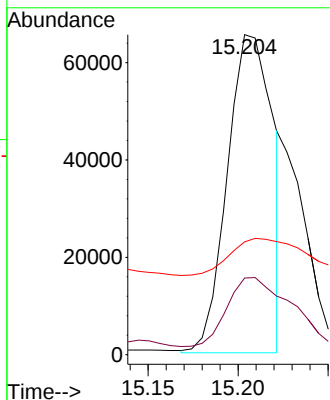
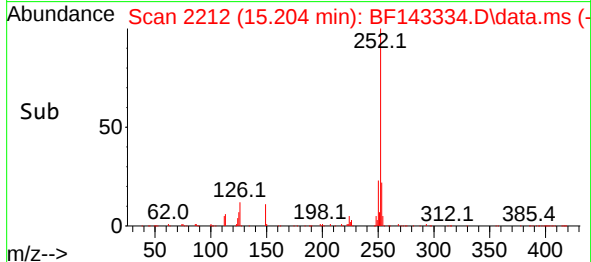
Instrument :
BNA_F
ClientSampleId :
RT3826



Tgt Ion:252 Resp: 11490
Ion Ratio Lower Upper
252 100
253 24.0 17.5 26.3
125 35.2 8.0 12.0

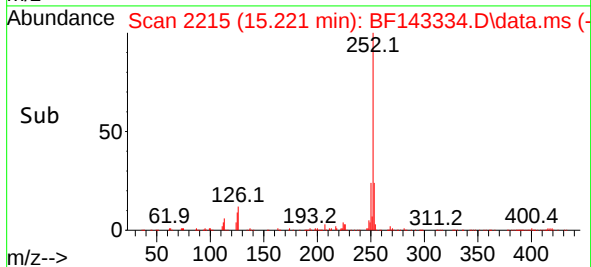
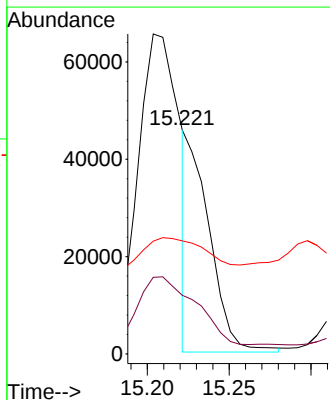
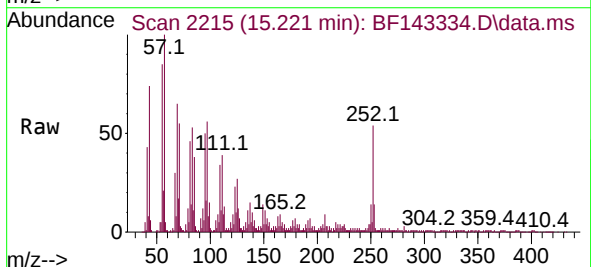
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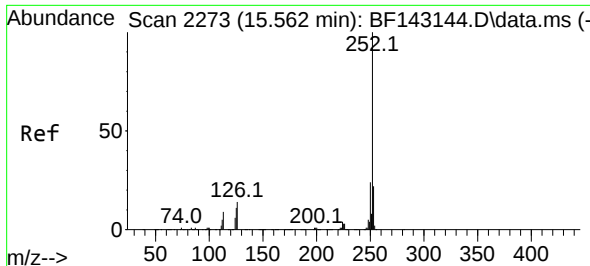
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#89
Benzo(k)fluoranthene
Concen: 5.617 ng m
RT: 15.221 min Scan# 2215
Delta R.T. 0.012 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Tgt Ion:252 Resp: 42560
Ion Ratio Lower Upper
252 100
253 26.2 17.8 26.6
125 50.5 8.1 12.1





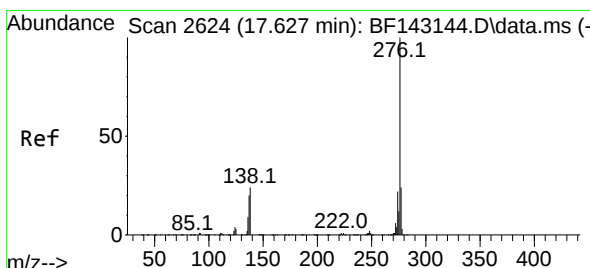
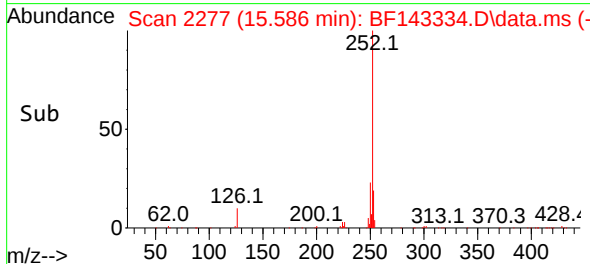
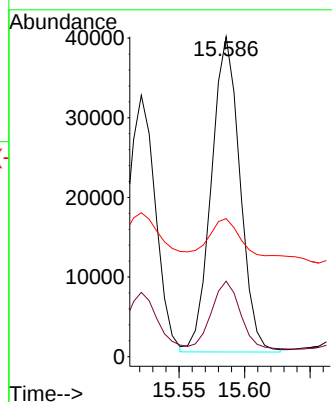
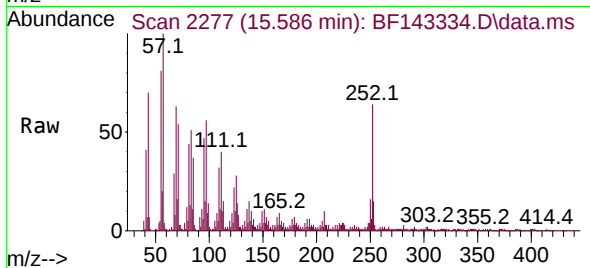
#90
Benzo(a)pyrene
Concen: 7.659 ng
RT: 15.586 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Instrument :
BNA_F
ClientSampleId :
RT3826

Tgt Ion:252 Resp: 59925
Ion Ratio Lower Upper
252 100
253 23.6 17.3 25.9
125 43.2 8.6 13.0

Manual Integrations
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Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#92
Benzo(g,h,i)perylene
Concen: 4.658 ng
RT: 17.662 min Scan# 2630
Delta R.T. 0.035 min
Lab File: BF143334.D
Acq: 06 Aug 2025 17:13

Tgt Ion:276 Resp: 35945
Ion Ratio Lower Upper
276 100
277 26.5 19.1 28.7
138 32.2 18.9 28.3

