

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143326.D
 Acq On : 06 Aug 2025 13:20
 Operator : RC/JU
 Sample : Q2763-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-2

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 13:39:36 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	57668	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	200253	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	103152	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	209618	20.000	ng	0.00
76) Chrysene-d12	14.127	240	223126	20.000	ng	0.00
86) Perylene-d12	15.645	264	194160	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	366635	100.608	ng	0.01
7) Phenol-d6	6.592	99	448901	97.866	ng	0.00
23) Nitrobenzene-d5	7.516	82	312992	77.910	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	125218	117.507	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	481278	63.809	ng	0.00
79) Terphenyl-d14	13.069	244	571898	38.142	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.028	154	15878	2.692	ng	94
58) Fluorene	10.545	166	18448	2.807	ng	# 97
71) Phenanthrene	11.510	178	168343	15.125	ng	99
72) Anthracene	11.557	178	47243	4.162	ng	98
75) Fluoranthene	12.704	202	403896	39.536	ng	100
78) Pyrene	12.933	202	323682	16.998	ng	99
81) Benzo(a)anthracene	14.121	228	246172	16.479	ng	97
83) Chrysene	14.157	228	189497m	14.109	ng	
84) Bis(2-ethylhexyl)phtha...	14.104	149	254575	28.844	ng	98
87) Indeno(1,2,3-cd)pyrene	17.180	276	78356	5.723	ng	95
88) Benzo(b)fluoranthene	15.198	252	240141m	20.246	ng	
89) Benzo(k)fluoranthene	15.210	252	99843m	9.433	ng	
90) Benzo(a)pyrene	15.574	252	159822	14.624	ng	95
92) Benzo(g,h,i)perylene	17.651	276	84136	7.805	ng	98

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

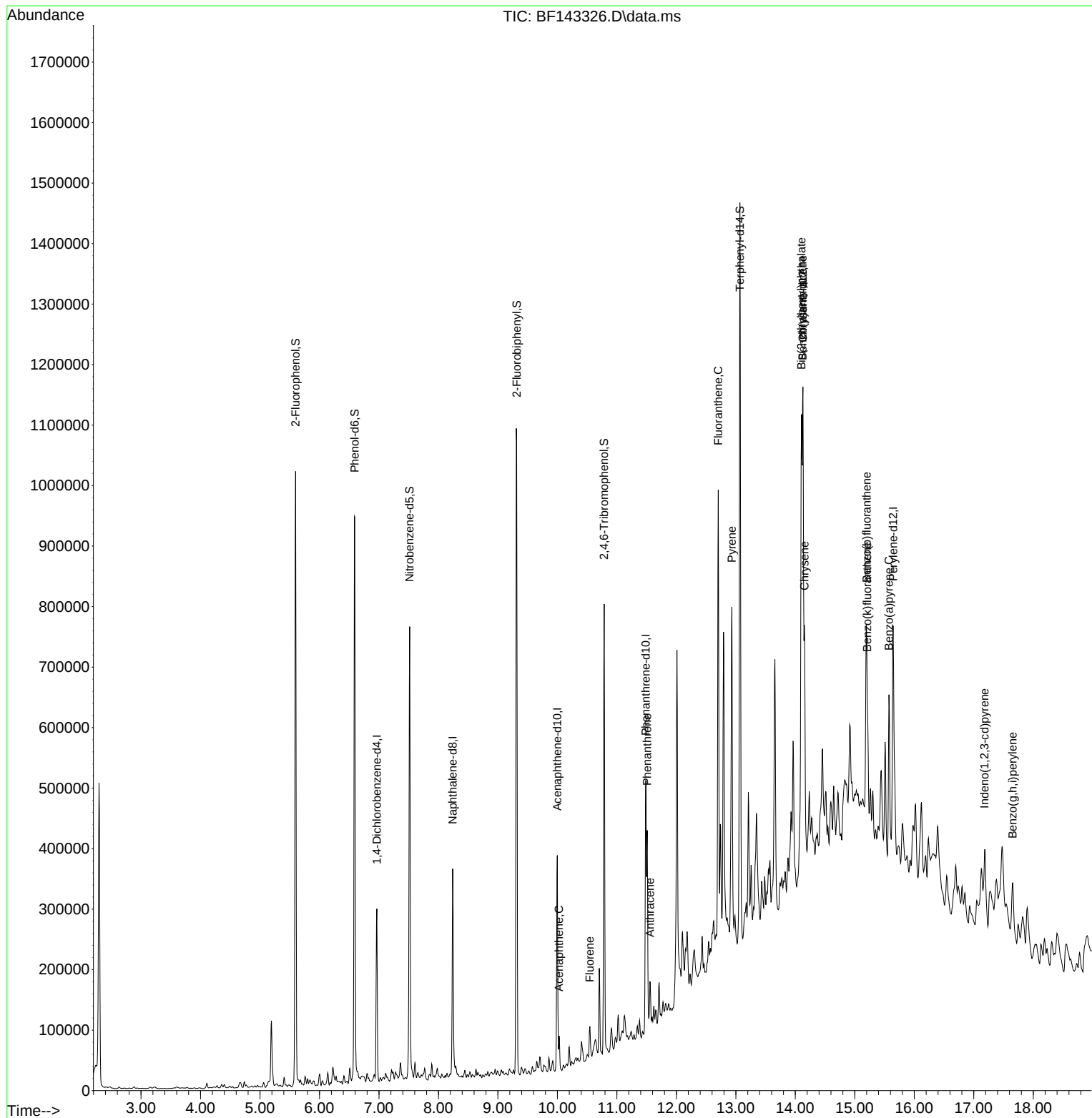
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
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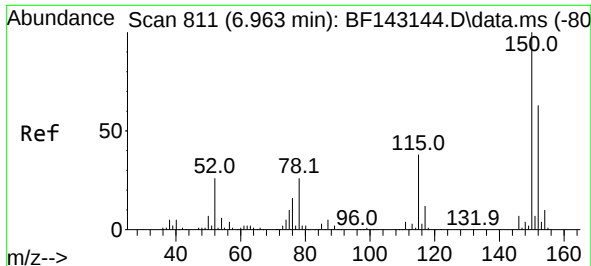
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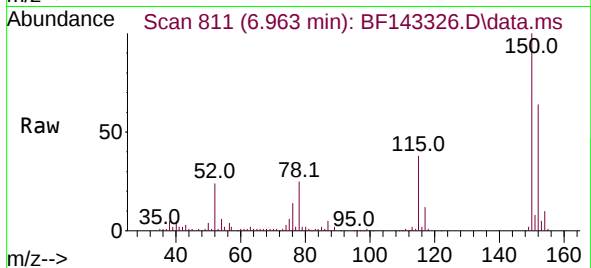
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

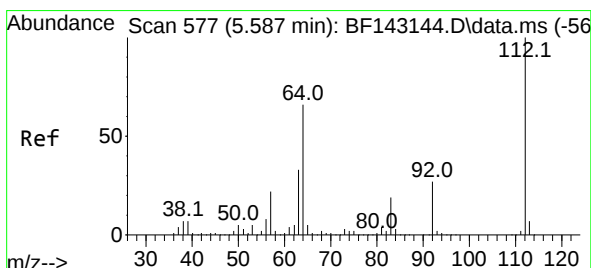
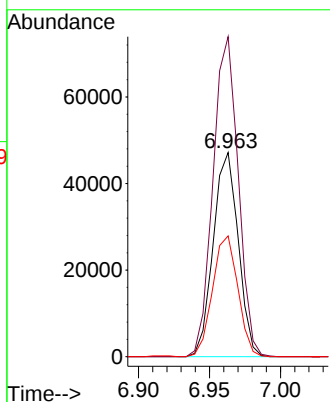
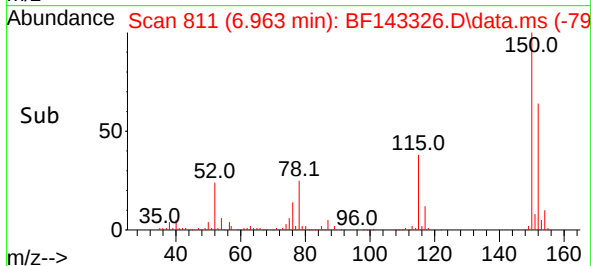
Instrument :
BNA_F
ClientSampleId :
TP-2



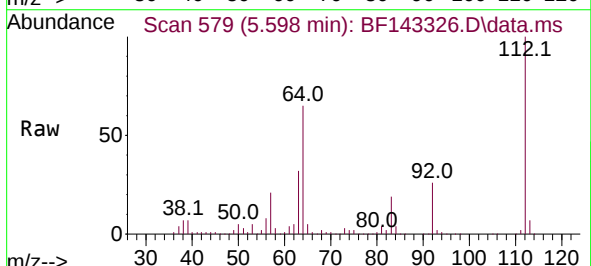
Tgt Ion:152 Resp: 57668
Ion Ratio Lower Upper
152 100
150 156.7 128.2 192.4
115 59.1 47.9 71.9

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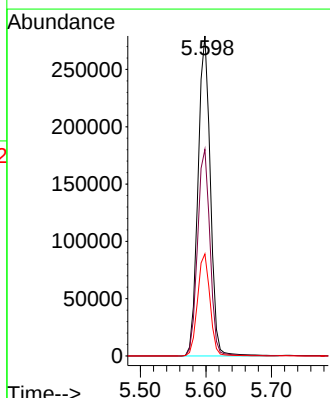
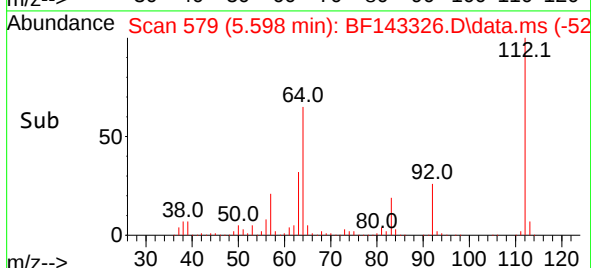
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Supervised By :Jagrut Upadhyay 08/07/2025

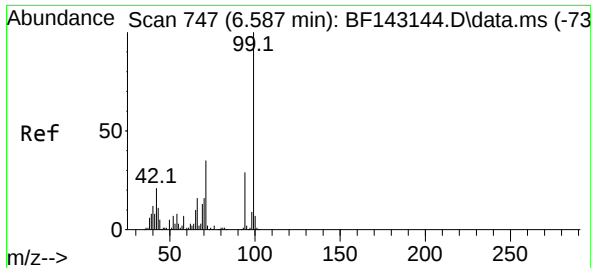


#5
2-Fluorophenol
Concen: 100.608 ng
RT: 5.598 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20



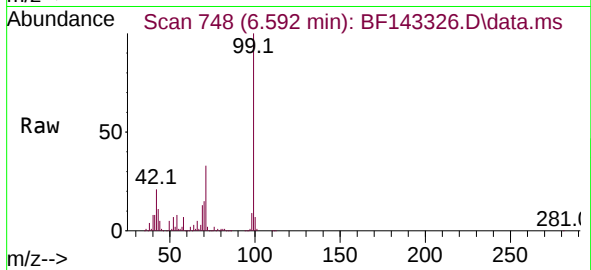
Tgt Ion:112 Resp: 366635
Ion Ratio Lower Upper
112 100
64 64.6 53.1 79.7
63 31.9 26.6 40.0





#7
Phenol-d6
Concen: 97.866 ng
RT: 6.592 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

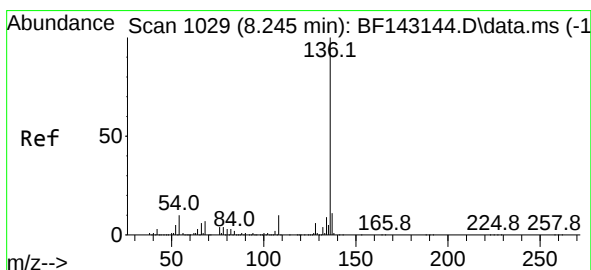
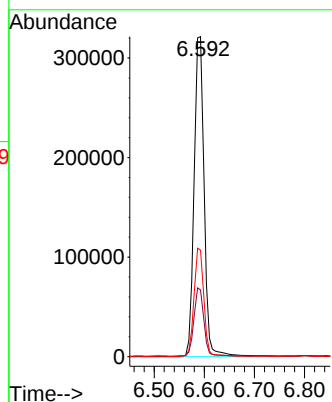
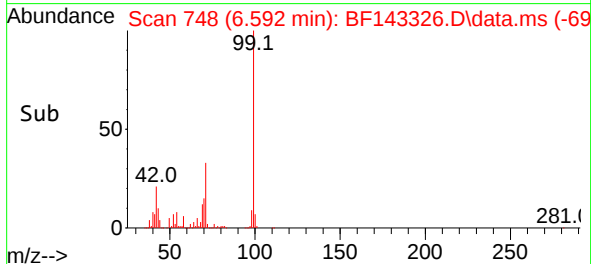
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Tgt Ion: 99 Resp: 44890
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.6
71 33.3 27.7 41.5

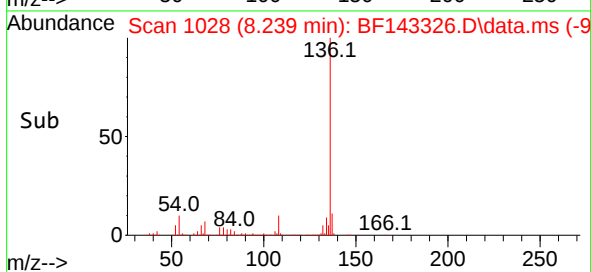
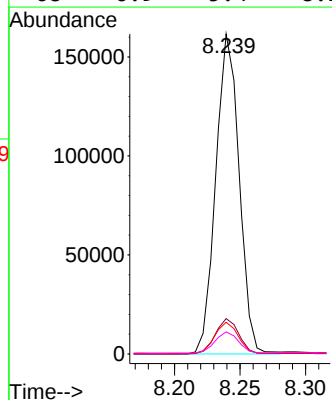
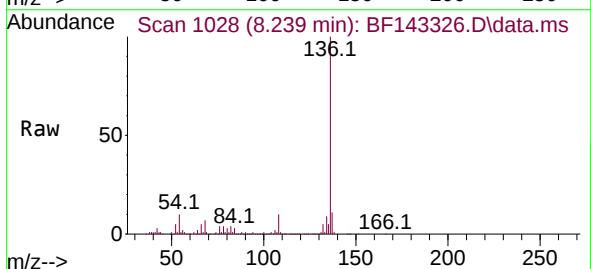
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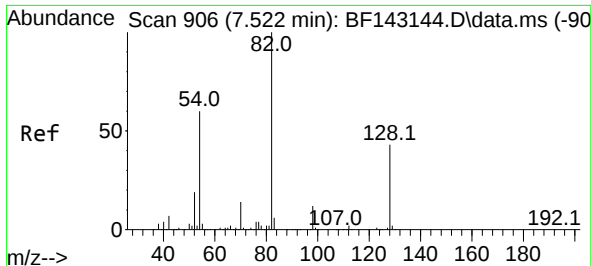
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

Tgt Ion:136 Resp: 200253
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.9 8.2 12.2
68 6.9 5.4 8.2





#23

Nitrobenzene-d5

Concen: 77.910 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143326.D

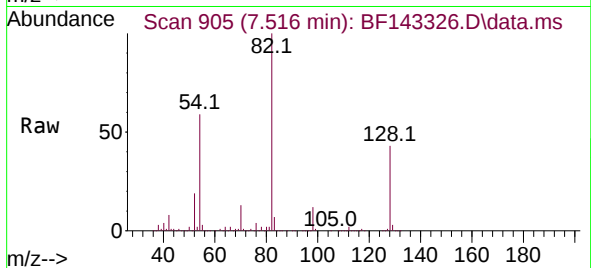
Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2



Tgt Ion: 82 Resp: 312992

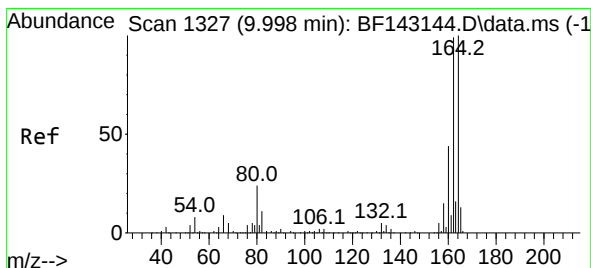
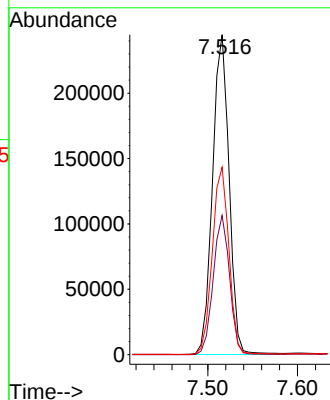
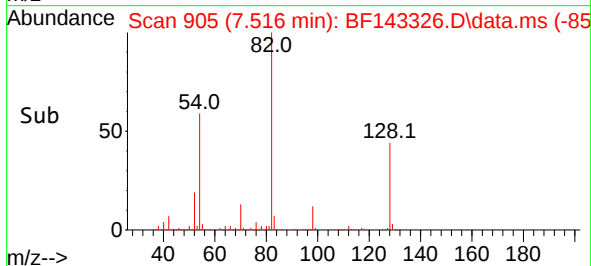
Ion	Ratio	Lower	Upper
82	100		
128	43.5	33.6	50.4
54	58.6	47.1	70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

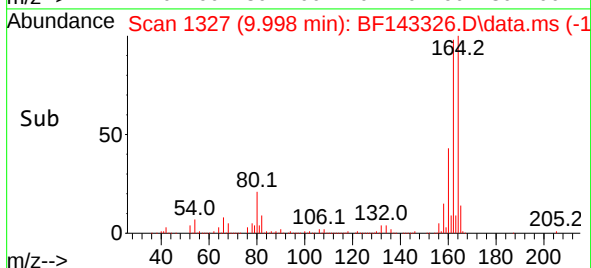
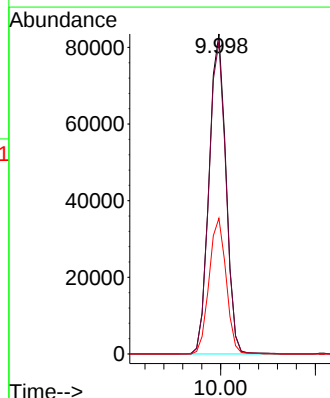
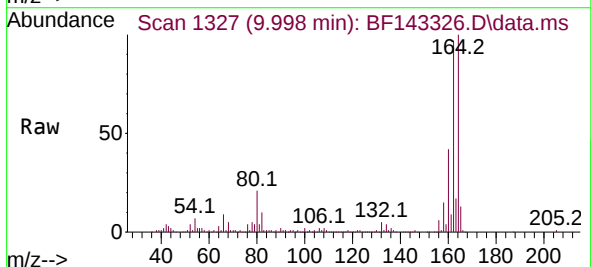
Delta R.T. 0.000 min

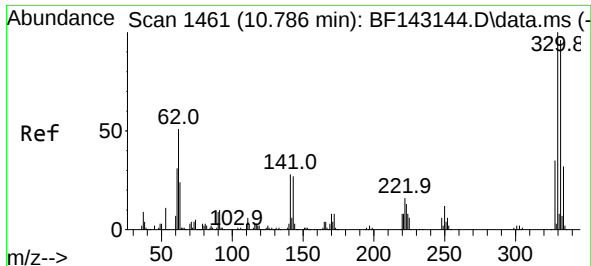
Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Tgt Ion:164 Resp: 103152

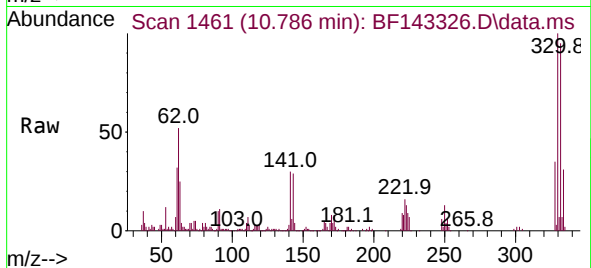
Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.0	118.6
160	42.4	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 117.507 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

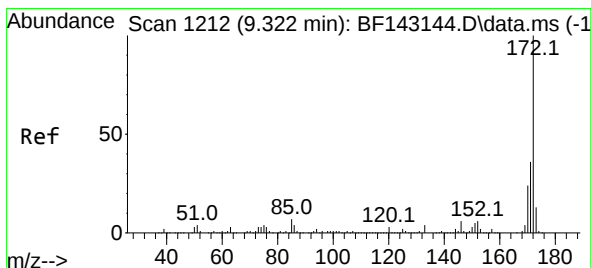
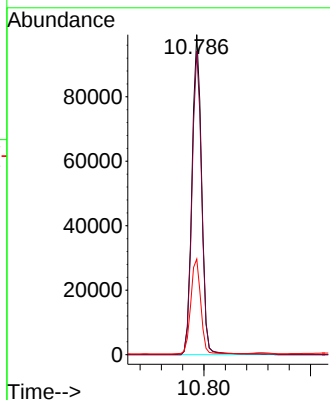
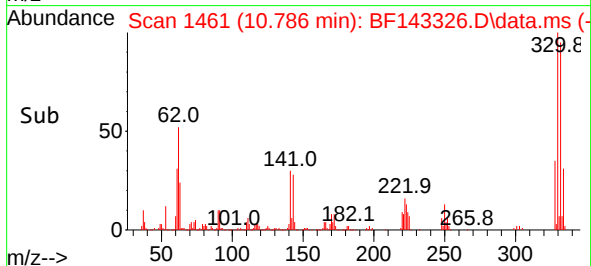
Instrument :
BNA_F
ClientSampleId :
TP-2



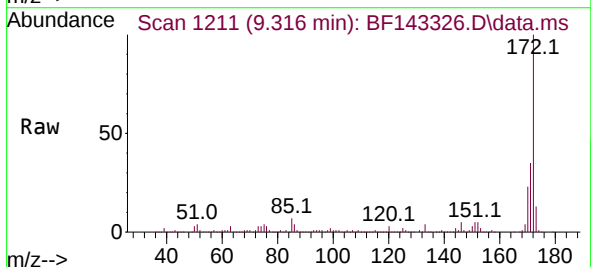
Tgt Ion:330 Resp: 125218
Ion Ratio Lower Upper
330 100
332 95.1 76.7 115.1
141 30.5 23.3 34.9

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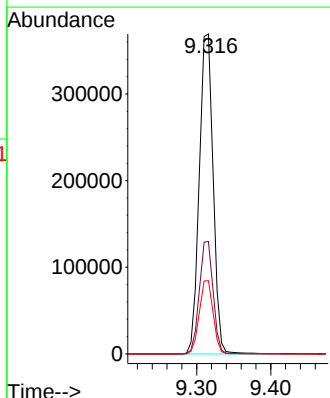
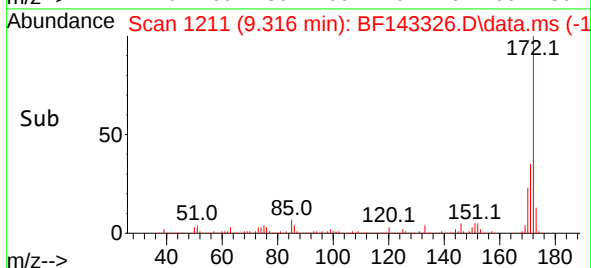
Reviewed By :Rahul Chavli 08/07/2025
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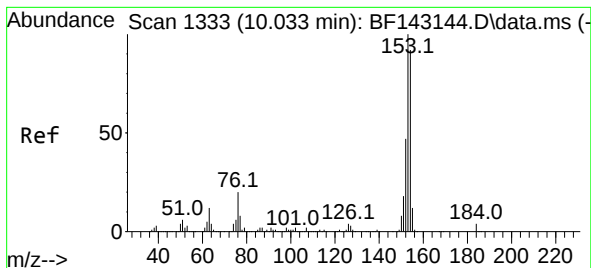


#45
2-Fluorobiphenyl
Concen: 63.809 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20



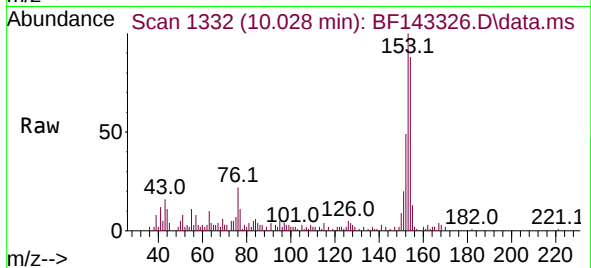
Tgt Ion:172 Resp: 481278
Ion Ratio Lower Upper
172 100
171 35.2 28.6 42.8
170 22.9 18.8 28.2





#52
Acenaphthene
Concen: 2.692 ng
RT: 10.028 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

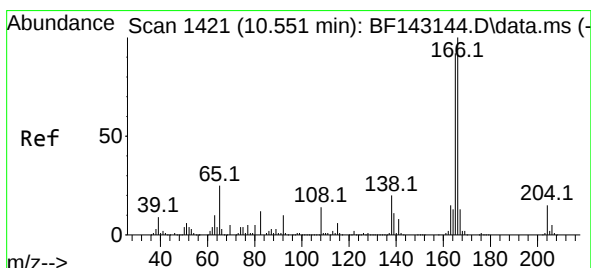
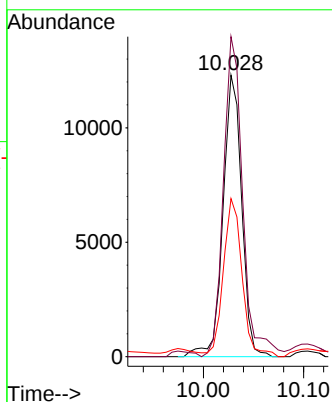
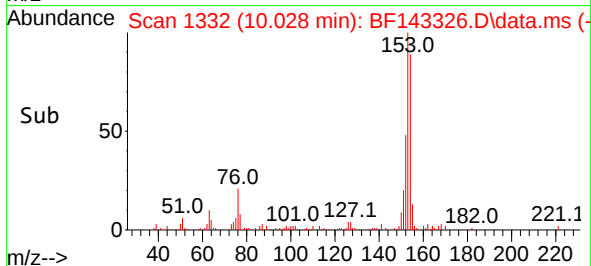
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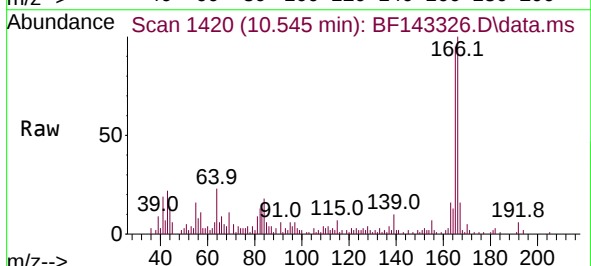
Tgt Ion:154 Resp: 15878
Ion Ratio Lower Upper
154 100
153 113.7 86.6 129.8
152 56.1 40.4 60.6

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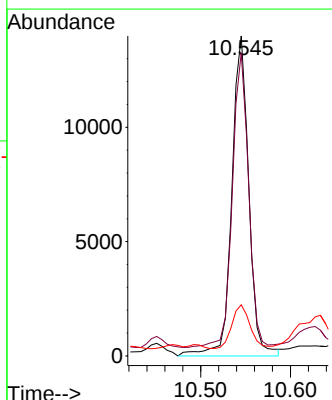
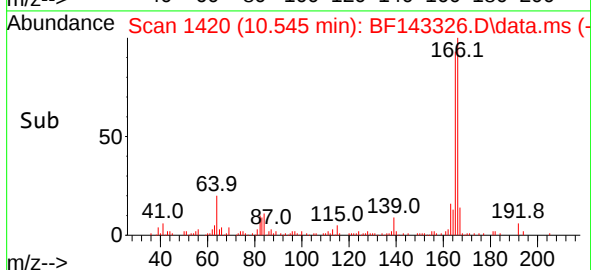
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

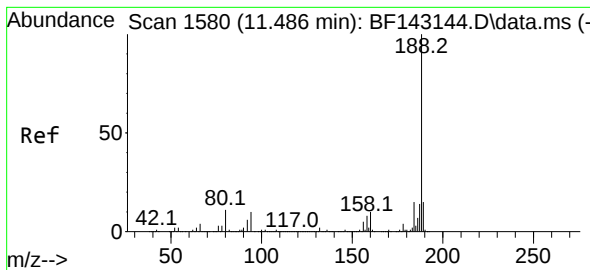


#58
Fluorene
Concen: 2.807 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20



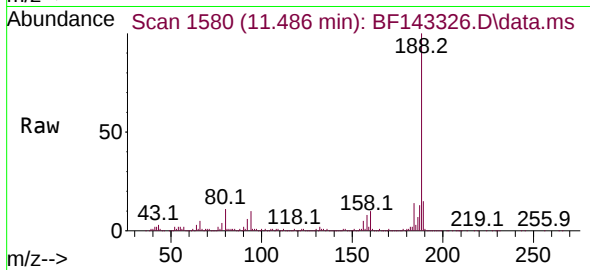
Tgt Ion:166 Resp: 18448
Ion Ratio Lower Upper
166 100
165 94.7 73.7 110.5
167 16.0 10.6 16.0#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20

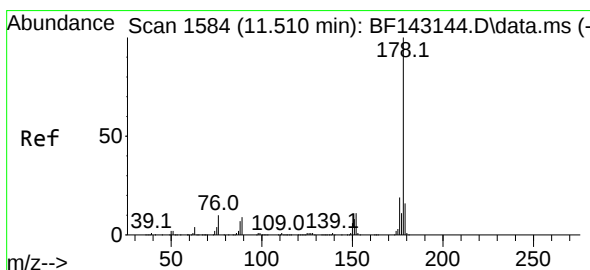
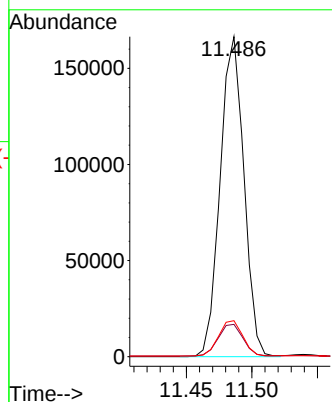
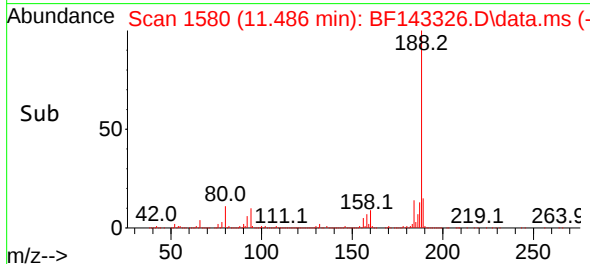
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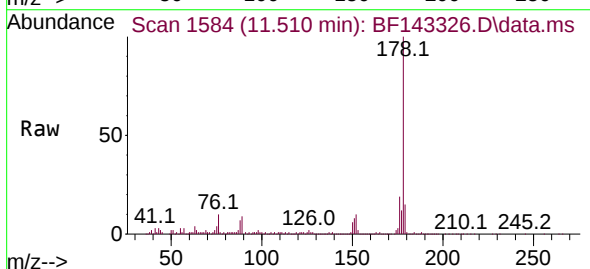
Tgt Ion:188 Resp: 209618
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 11.2 9.0 13.6

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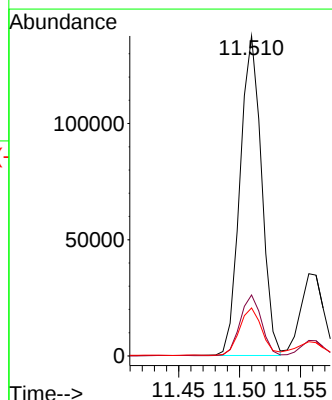
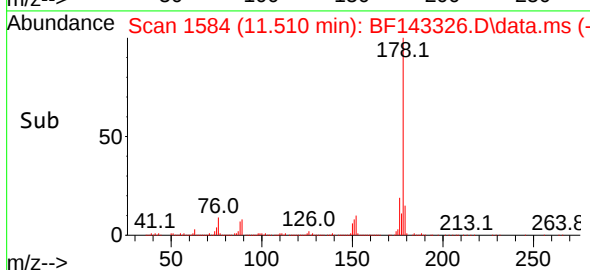
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

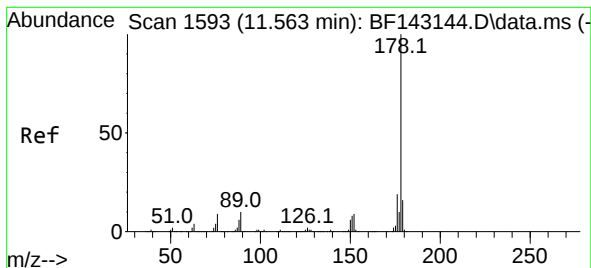


#71
Phenanthrene
Concen: 15.125 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143326.D
Acq: 06 Aug 2025 13:20



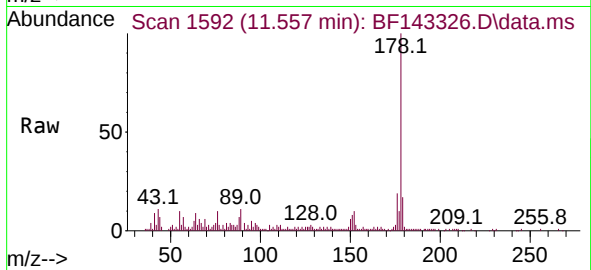
Tgt Ion:178 Resp: 168343
Ion Ratio Lower Upper
178 100
176 19.0 15.3 22.9
179 15.0 12.5 18.7





#72
 Anthracene
 Concen: 4.162 ng
 RT: 11.557 min Scan# 1159
 Delta R.T. -0.006 min
 Lab File: BF143326.D
 Acq: 06 Aug 2025 13:20

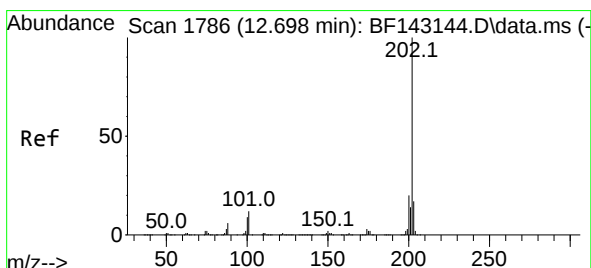
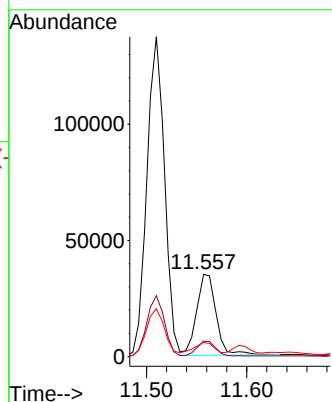
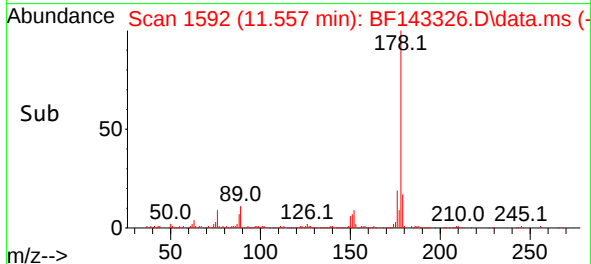
Instrument :
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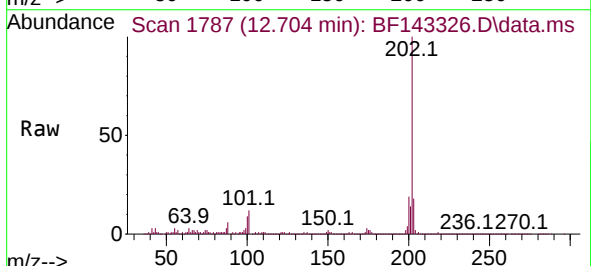
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 Ion Ratio Lower Upper
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 176 19.0 15.0 22.4
 179 17.3 12.5 18.7

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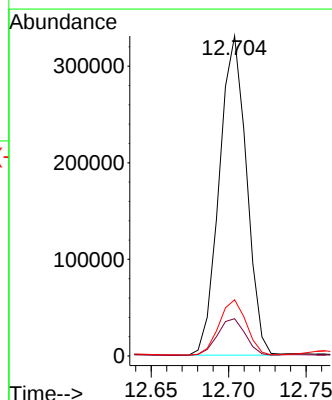
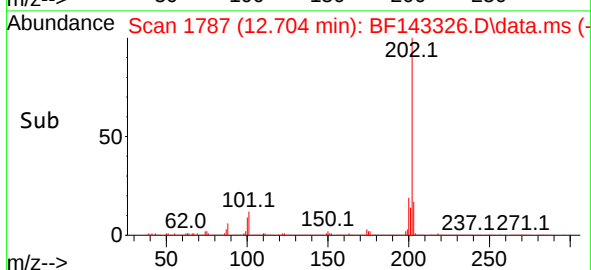
Reviewed By :Rahul Chavli 08/07/2025
 Supervised By :Jagrut Upadhyay 08/07/2025

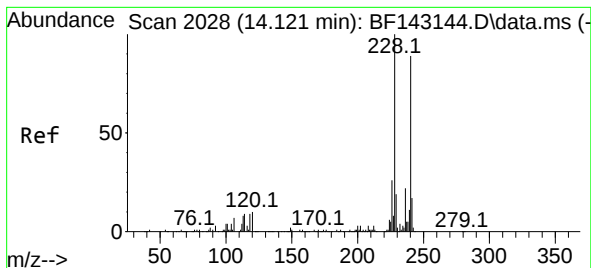


#75
 Fluoranthene
 Concen: 39.536 ng
 RT: 12.704 min Scan# 1787
 Delta R.T. 0.006 min
 Lab File: BF143326.D
 Acq: 06 Aug 2025 13:20



Tgt Ion:202 Resp: 403896
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 31.7
 203 17.5 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.127 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

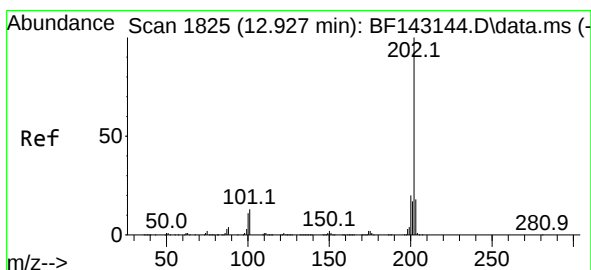
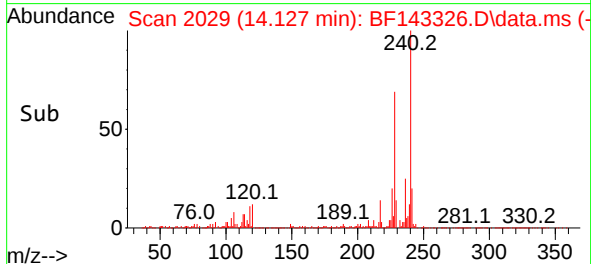
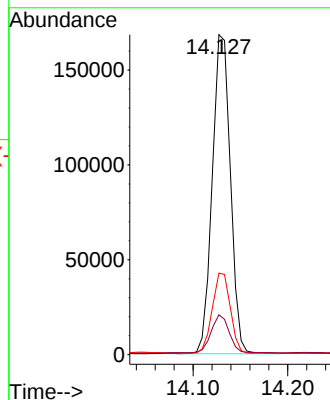
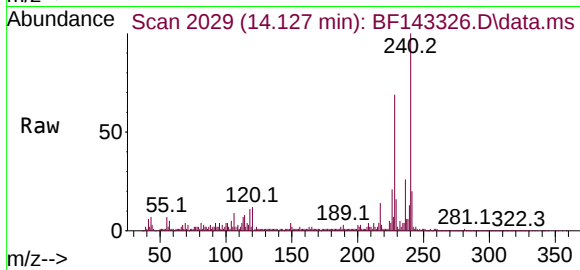
Tgt Ion:240 Resp: 223120
 Ion Ratio Lower Upper
 240 100
 120 12.5 9.4 14.2
 236 25.5 20.2 30.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/07/2025



#78

Pyrene

Concen: 16.998 ng

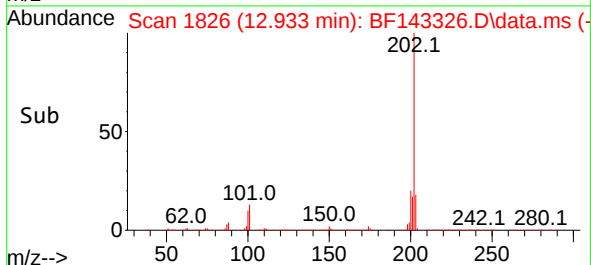
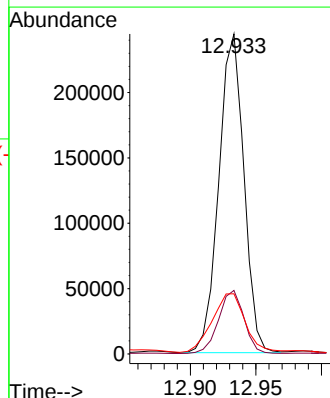
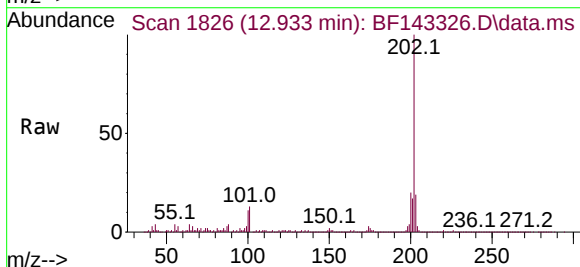
RT: 12.933 min Scan# 1826

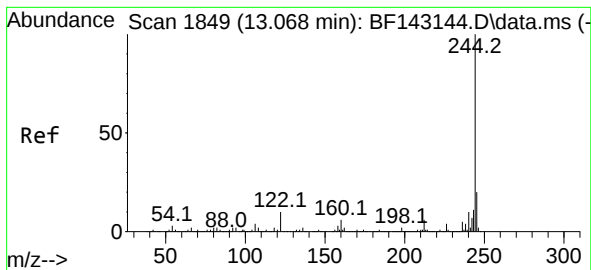
Delta R.T. 0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

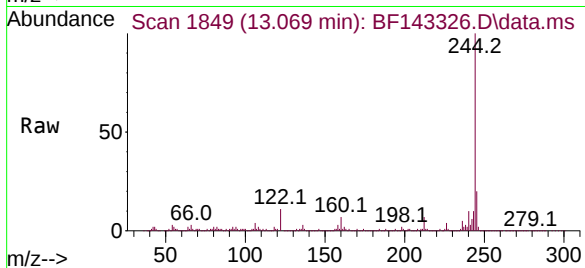
Tgt Ion:202 Resp: 323682
 Ion Ratio Lower Upper
 202 100
 200 19.9 15.7 23.5
 203 18.8 14.2 21.2





#79
 Terphenyl-d14
 Concen: 38.142 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143326.D
 Acq: 06 Aug 2025 13:20

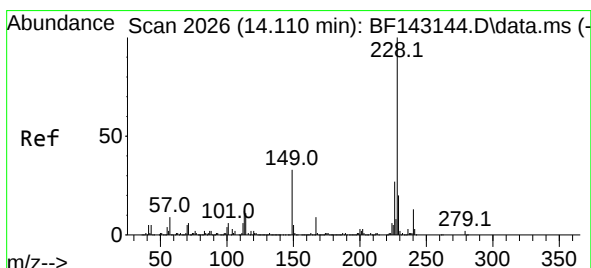
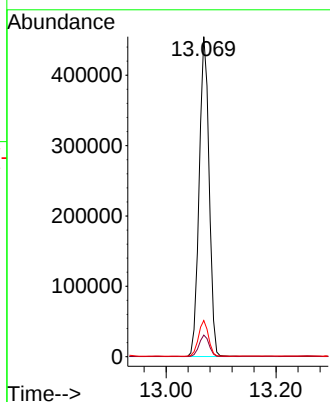
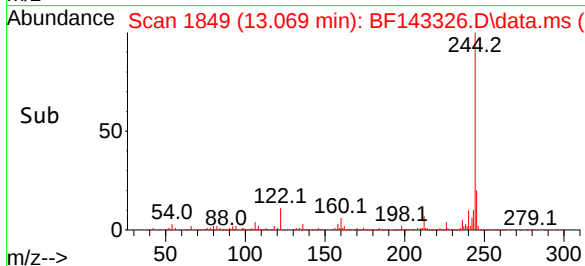
Instrument :
 BNA_F
 ClientSampleId :
 TP-2



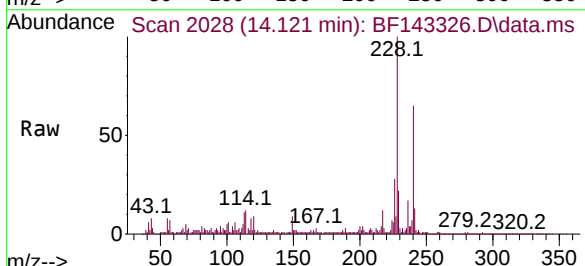
Tgt Ion:244 Resp: 571898
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.2 7.8
 122 11.3 8.2 12.2

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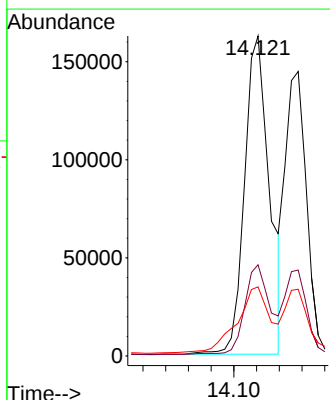
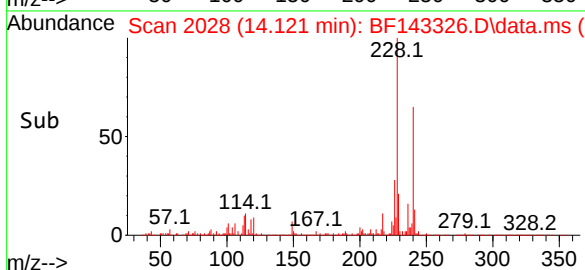
Reviewed By :Rahul Chavli 08/07/2025
 Supervised By :Jagrut Upadhyay 08/07/2025

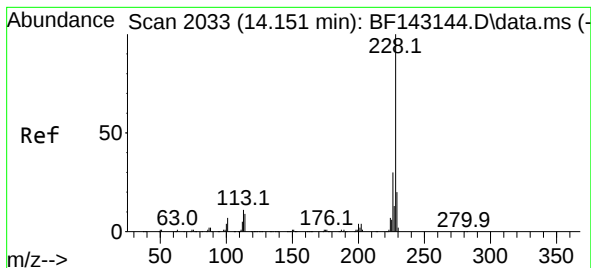


#81
 Benzo(a)anthracene
 Concen: 16.479 ng
 RT: 14.121 min Scan# 2028
 Delta R.T. 0.012 min
 Lab File: BF143326.D
 Acq: 06 Aug 2025 13:20



Tgt Ion:228 Resp: 246172
 Ion Ratio Lower Upper
 228 100
 226 28.5 21.7 32.5
 229 21.6 15.8 23.6





#83

Chrysene

Concen: 14.109 ng m

RT: 14.157 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

Tgt Ion:228 Resp: 18949

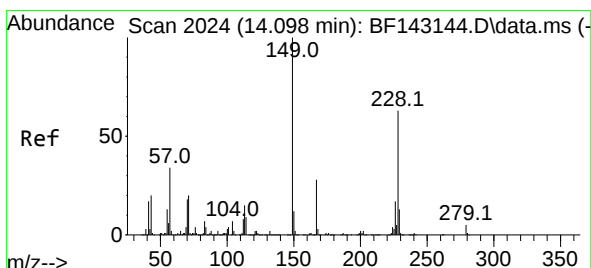
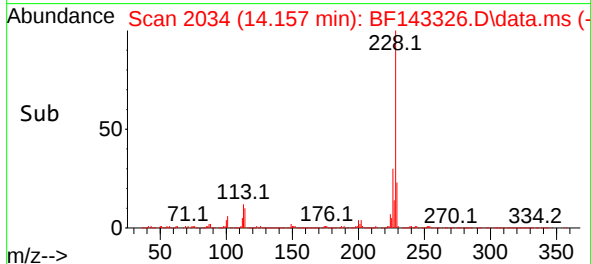
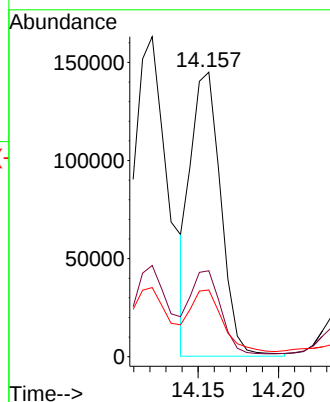
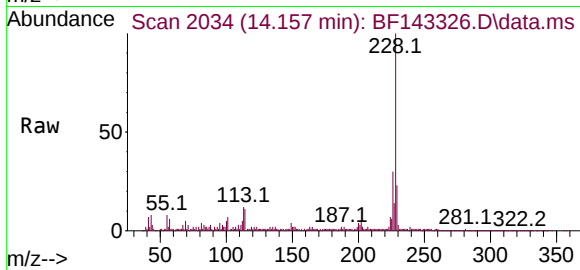
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	23.4	15.6	23.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/07/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 28.844 ng

RT: 14.104 min Scan# 2025

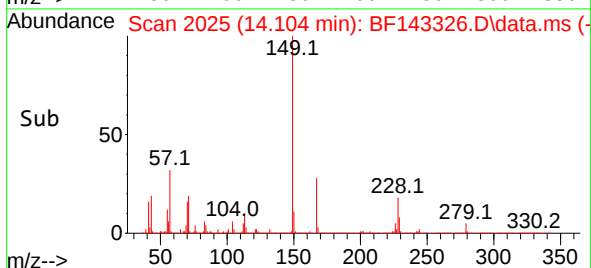
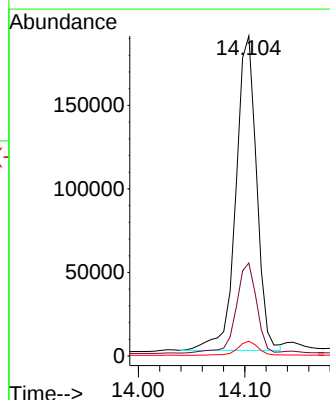
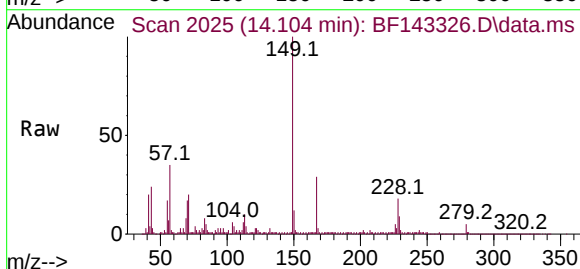
Delta R.T. 0.006 min

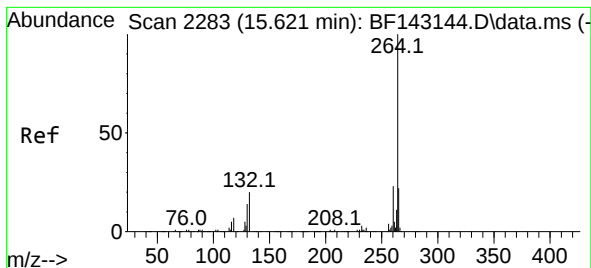
Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Tgt Ion:149 Resp: 254575

Ion	Ratio	Lower	Upper
149	100		
167	29.1	22.3	33.5
279	4.6	3.6	5.4





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.645 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

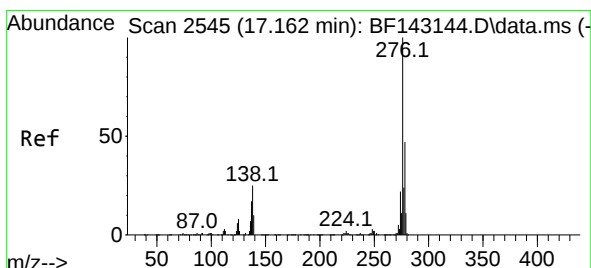
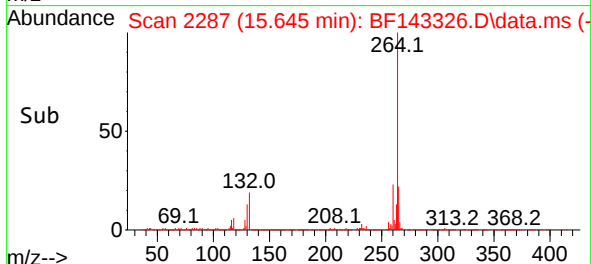
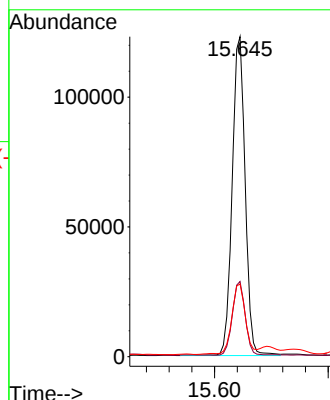
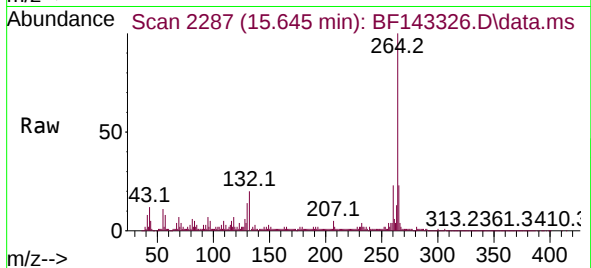
Tgt Ion:	264	Resp:	194160
Ion Ratio	Lower	Upper	
264	100		
260	23.5	18.5	27.7
265	22.8	17.4	26.2

Manual Integrations

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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: 5.723 ng

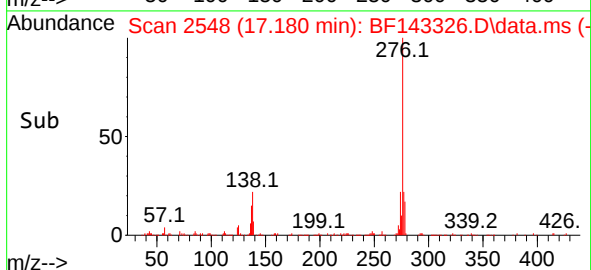
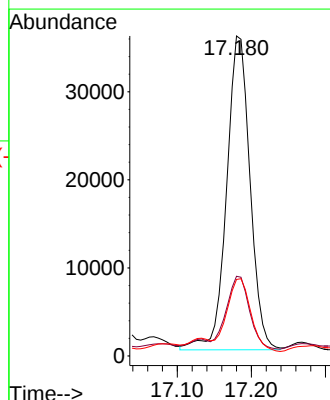
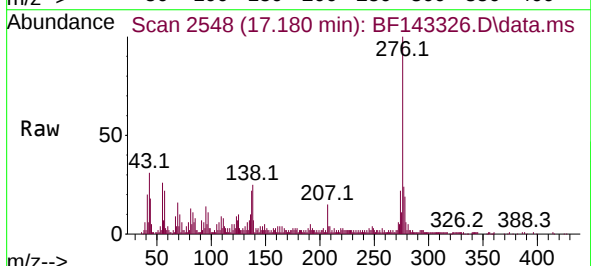
RT: 17.180 min Scan# 2548

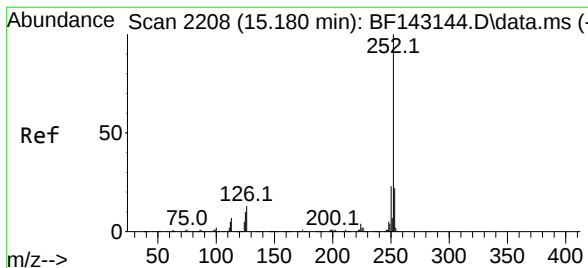
Delta R.T. 0.018 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Tgt Ion:	276	Resp:	78356
Ion Ratio	Lower	Upper	
276	100		
138	22.9	21.8	32.6
277	24.0	20.0	30.0





#88

Benzo(b)fluoranthene

Concen: 20.246 ng m

RT: 15.198 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

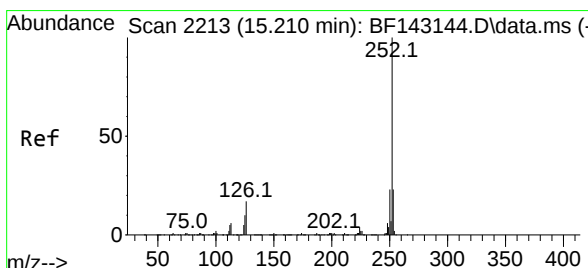
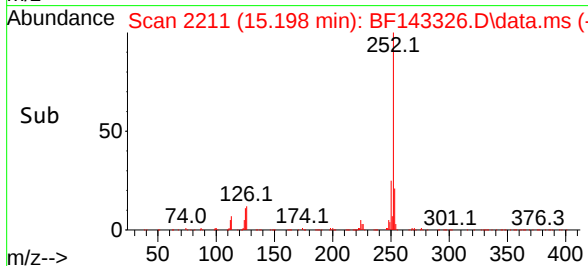
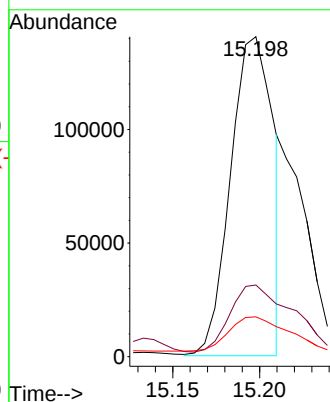
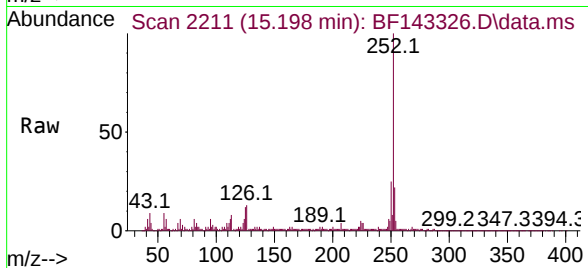
Tgt Ion:252 Resp: 24014
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.5 26.3
 125 12.5 8.0 12.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/07/2025



#89

Benzo(k)fluoranthene

Concen: 9.433 ng m

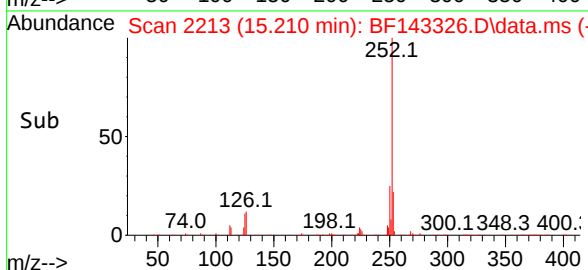
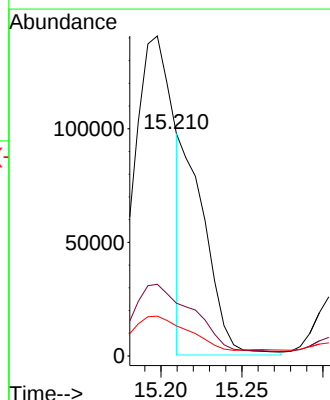
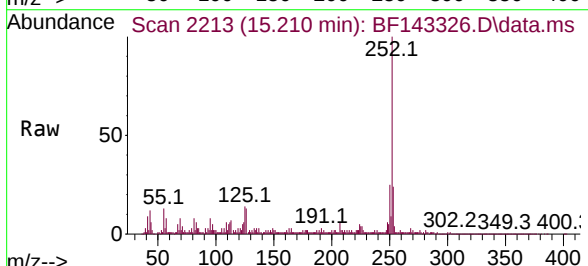
RT: 15.210 min Scan# 2213

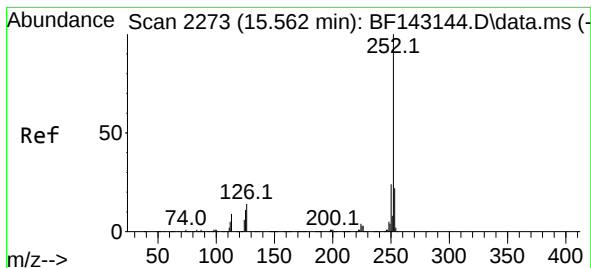
Delta R.T. 0.000 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Tgt Ion:252 Resp: 99843
 Ion Ratio Lower Upper
 252 100
 253 23.8 17.8 26.6
 125 13.5 8.1 12.1





#90

Benzo(a)pyrene

Concen: 14.624 ng

RT: 15.574 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Instrument :

BNA_F

ClientSampleId :

TP-2

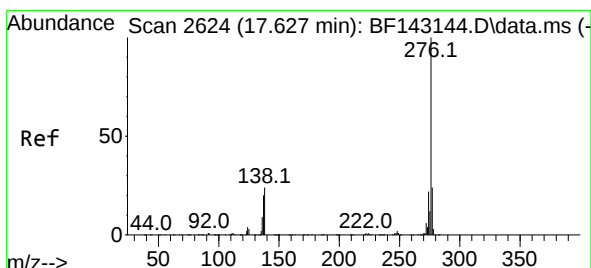
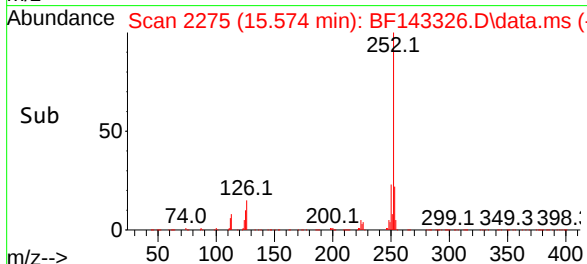
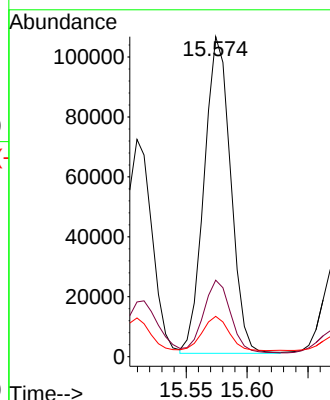
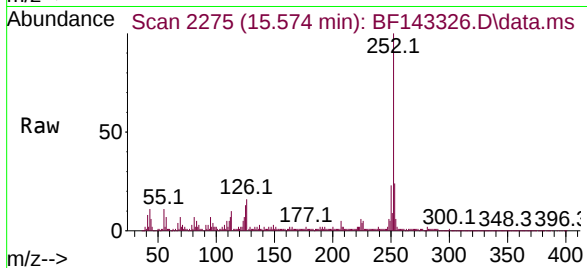
Tgt Ion:252 Resp: 15982
 Ion Ratio Lower Upper
 252 100
 253 23.9 17.3 25.9
 125 12.6 8.6 13.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/07/2025



#92

Benzo(g,h,i)perylene

Concen: 7.805 ng

RT: 17.651 min Scan# 2628

Delta R.T. 0.024 min

Lab File: BF143326.D

Acq: 06 Aug 2025 13:20

Tgt Ion:276 Resp: 84136
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.1 28.7
 138 24.6 18.9 28.3

