

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
 Data File : BF143895.D
 Acq On : 08 Oct 2025 15:11
 Operator : RC/JU
 Sample : Q3303-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HL-EAST

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/09/2025
 Supervised By :Jagrut Upadhyay 10/09/2025

Quant Time: Oct 08 15:31:59 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	100666	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	399537	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	224893	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	409675	20.000	ng	0.00
76) Chrysene-d12	14.057	240	236435	20.000	ng	-0.01
86) Perylene-d12	15.539	264	301845	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	475538	75.015	ng	-0.01
7) Phenol-d6	6.498	99	565922	74.896	ng	-0.02
23) Nitrobenzene-d5	7.439	82	328329	49.927	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	160854	71.810	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	643537	45.405	ng	-0.01
79) Terphenyl-d14	12.998	244	678847	49.071	ng	-0.01
Target Compounds						Qvalue
52) Acenaphthene	9.951	154	41148	3.598	ng	94
58) Fluorene	10.469	166	51950	4.265	ng	100
71) Phenanthrene	11.433	178	652870	32.872	ng	99
72) Anthracene	11.486	178	197737	9.855	ng	99
73) Carbazole	11.639	167	85976	4.838	ng	99
75) Fluoranthene	12.627	202	946460	46.135	ng	99
78) Pyrene	12.857	202	773693	39.251	ng	97
81) Benzo(a)anthracene	14.051	228	411325	26.584	ng	99
83) Chrysene	14.086	228	311910	21.781	ng	97
87) Indeno(1,2,3-cd)pyrene	17.027	276	202775	10.964	ng	97
88) Benzo(b)fluoranthene	15.110	252	419663m	24.204	ng	
89) Benzo(k)fluoranthene	15.121	252	182689m	11.387	ng	
90) Benzo(a)pyrene	15.474	252	330804	22.003	ng	97
91) Dibenzo(a,h)anthracene	17.039	278	46732m	3.142	ng	
92) Benzo(g,h,i)perylene	17.480	276	180915	12.162	ng	98

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

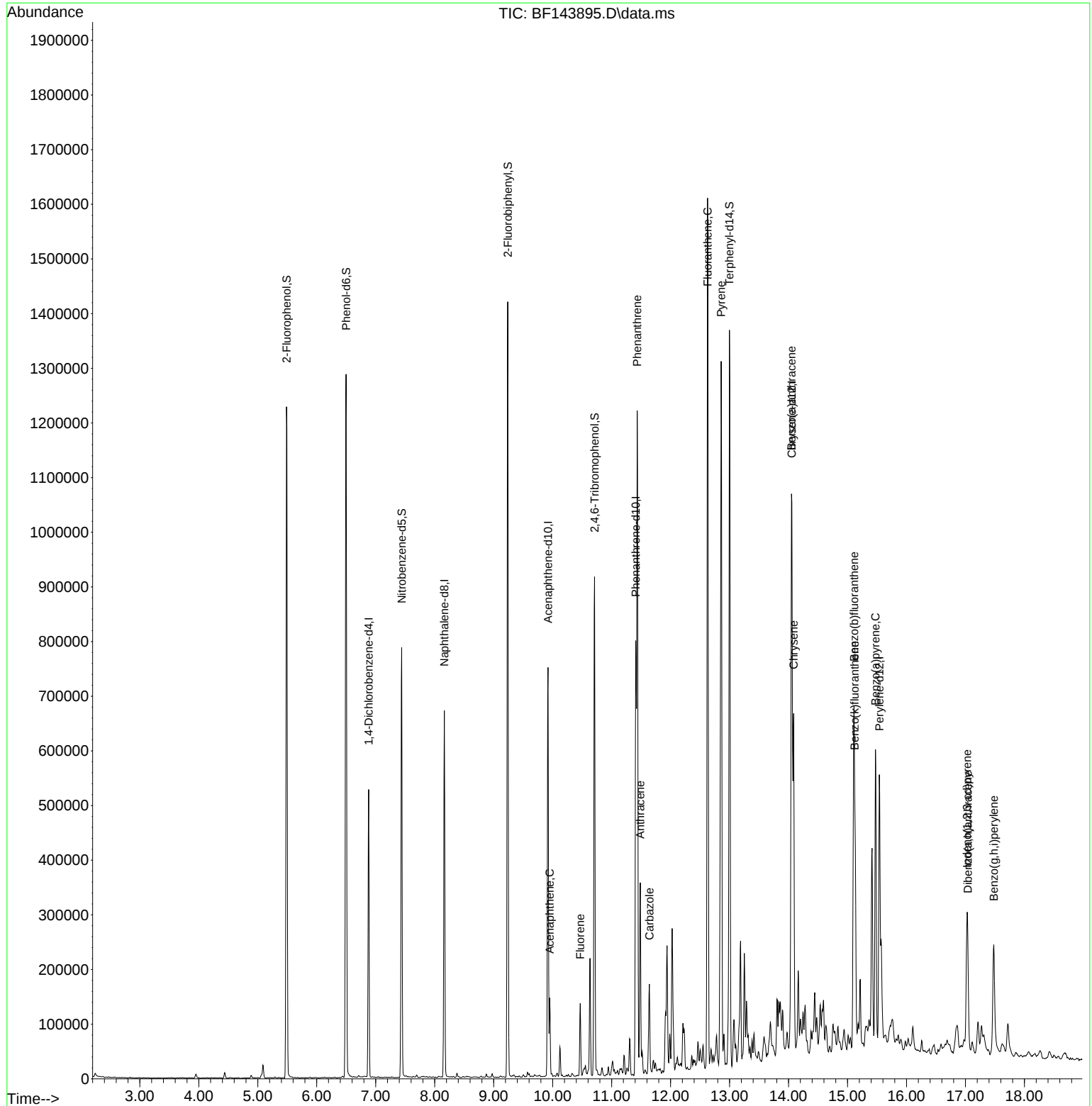
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100825\
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ALS Vial : 10 Sample Multiplier: 1

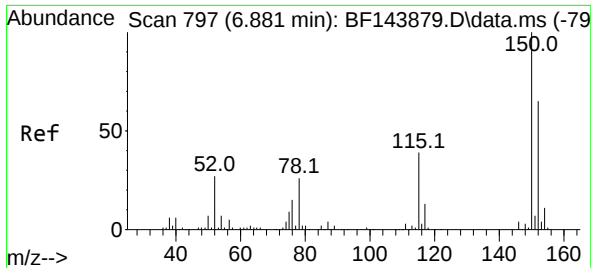
Instrument :
BNA_F
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Quant Time: Oct 08 15:31:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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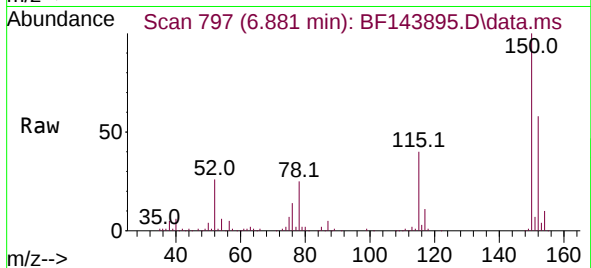
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

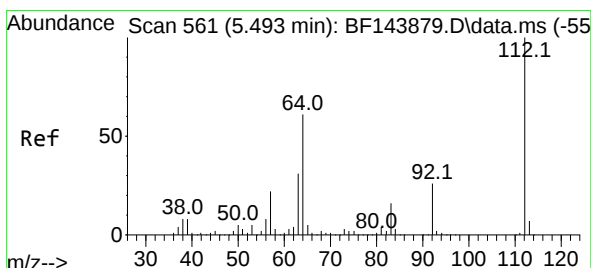
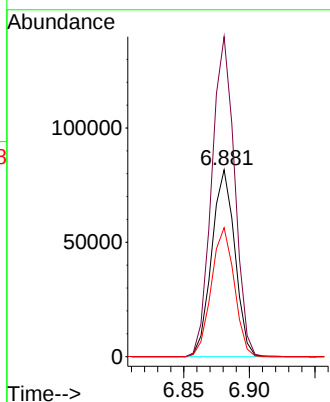
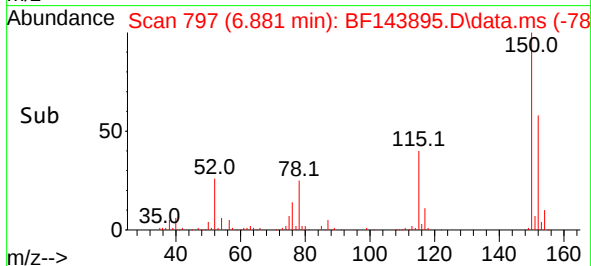
Instrument :
BNA_F
ClientSampleId :
HL-EAST



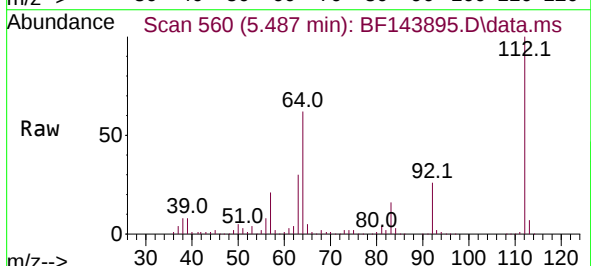
Tgt Ion:152 Resp: 100660
Ion Ratio Lower Upper
152 100
150 171.2 124.4 186.6
115 69.0 48.1 72.1

Manual Integrations
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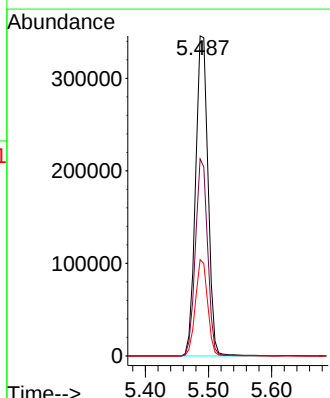
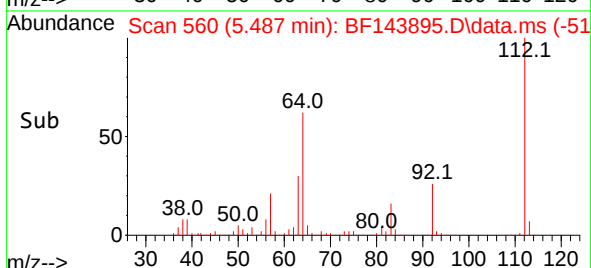
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025



#5
2-Fluorophenol
Concen: 75.015 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11



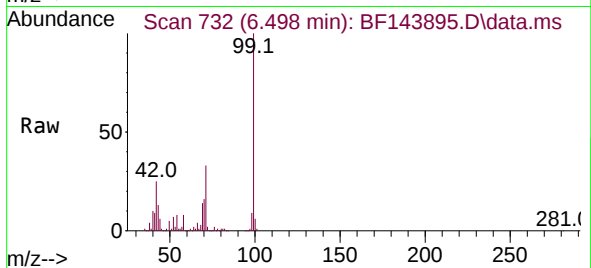
Tgt Ion:112 Resp: 475538
Ion Ratio Lower Upper
112 100
64 61.6 49.1 73.7
63 30.1 24.5 36.7





#7
Phenol-d6
Concen: 74.896 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.018 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

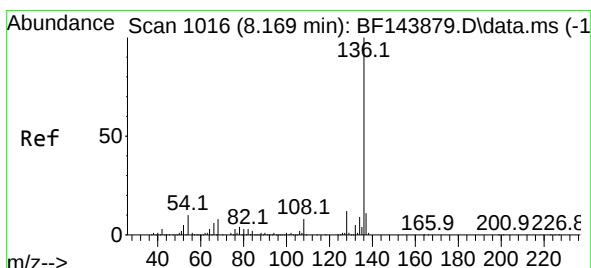
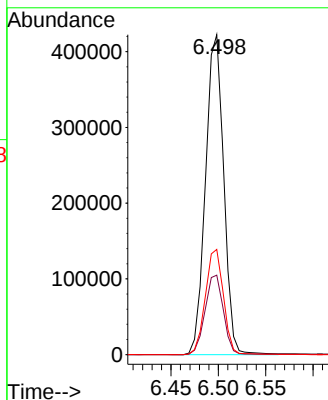
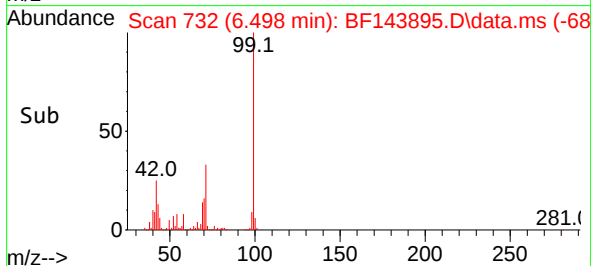
Instrument :
BNA_F
ClientSampleId :
HL-EAST



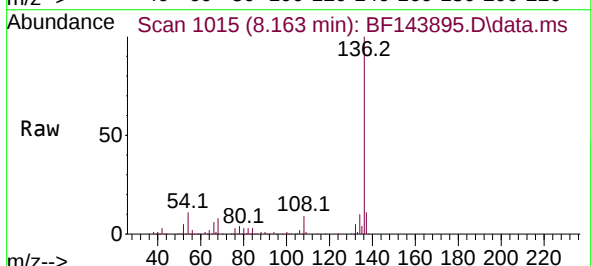
Tgt Ion: 99 Resp: 565922
Ion Ratio Lower Upper
99 100
42 24.8 21.0 31.4
71 32.9 27.8 41.8

Manual Integrations
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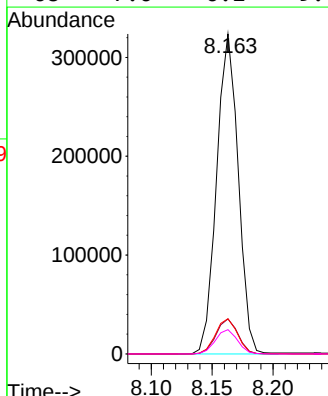
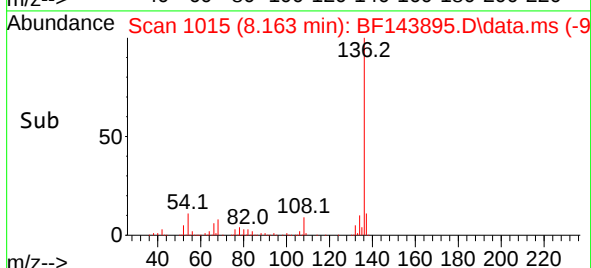
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11



Tgt Ion:136 Resp: 399537
Ion Ratio Lower Upper
136 100
137 10.9 8.5 12.7
54 11.0 8.2 12.4
68 7.6 6.2 9.4





#23

Nitrobenzene-d5

Concen: 49.927 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF143895.D

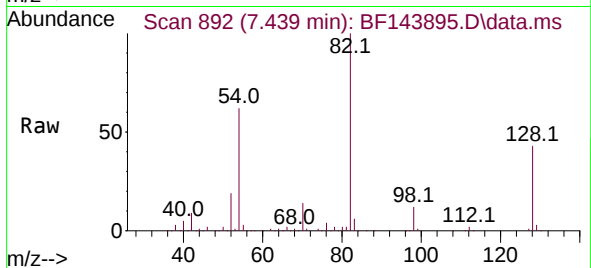
Acq: 08 Oct 2025 15:11

Instrument :

BNA_F

ClientSampleId :

HL-EAST



Tgt Ion: 82 Resp: 328329

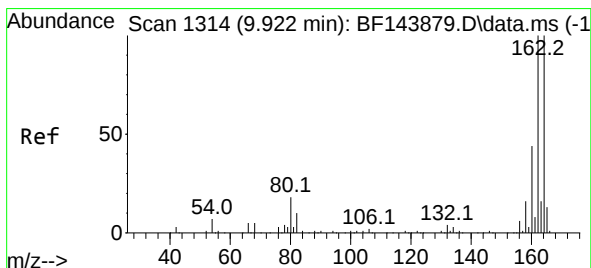
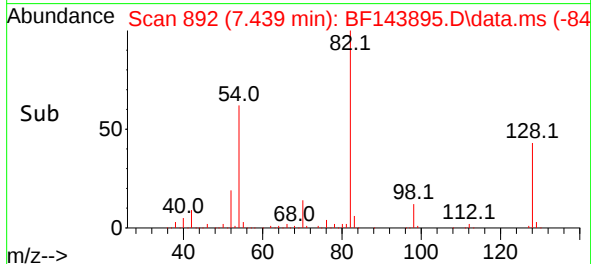
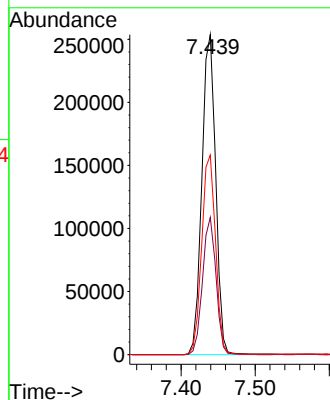
Ion	Ratio	Lower	Upper
82	100		
128	42.9	34.0	51.0
54	62.4	53.2	79.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

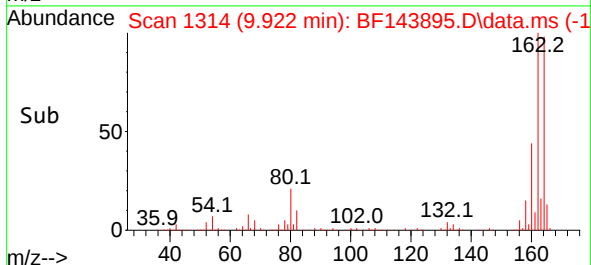
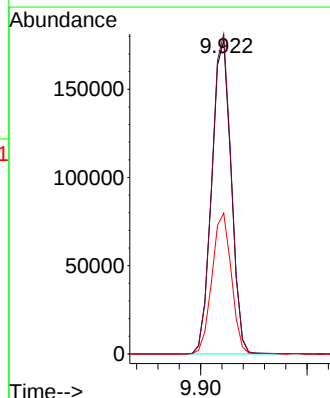
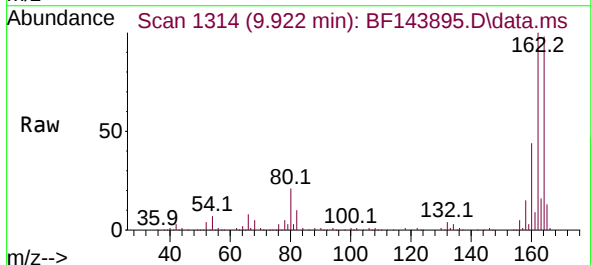
Delta R.T. -0.005 min

Lab File: BF143895.D

Acq: 08 Oct 2025 15:11

Tgt Ion:164 Resp: 224893

Ion	Ratio	Lower	Upper
164	100		
162	102.1	80.2	120.2
160	44.9	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 71.810 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

Instrument :

BNA_F

ClientSampleId :

HL-EAST

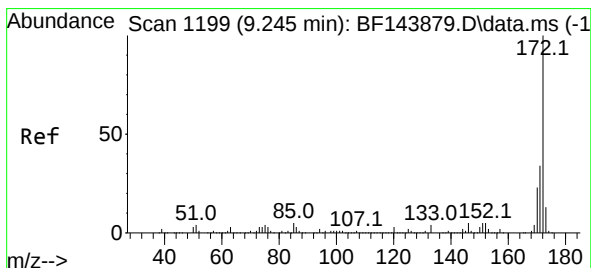
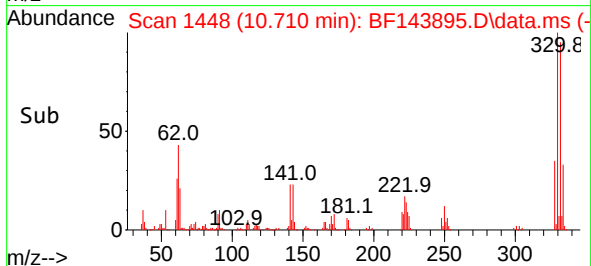
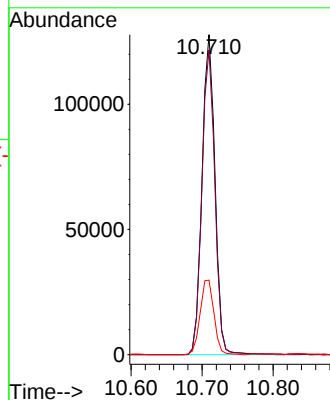
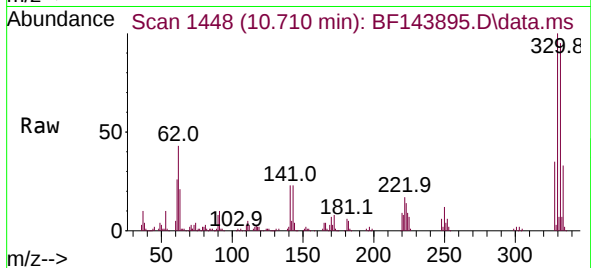
Tgt Ion:330 Resp: 160854
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 24.9 20.2 30.4

Manual Integrations

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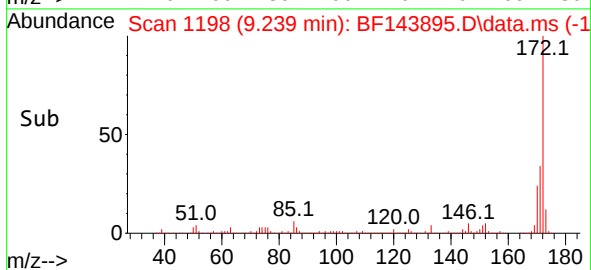
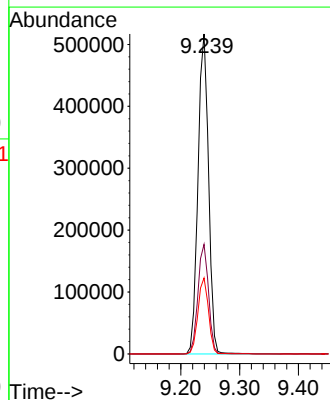
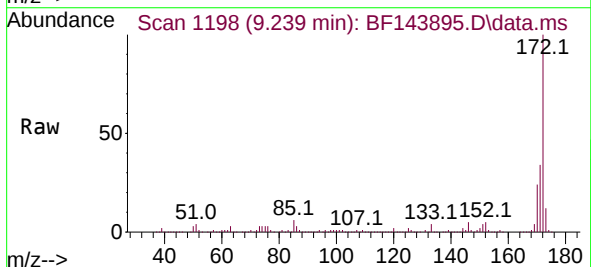
Reviewed By :Rahul Chavli 10/09/2025

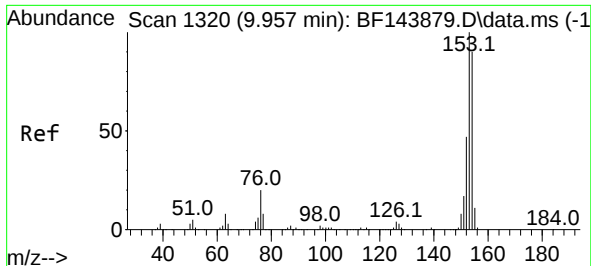
Supervised By :Jagrut Upadhyay 10/09/2025



#45
2-Fluorobiphenyl
Concen: 45.405 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

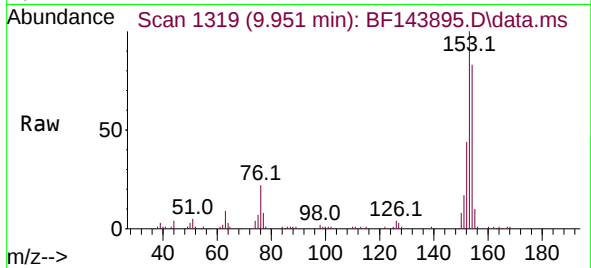
Tgt Ion:172 Resp: 643537
Ion Ratio Lower Upper
172 100
171 34.2 27.4 41.0
170 23.7 18.6 28.0





#52
Acenaphthene
Concen: 3.598 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

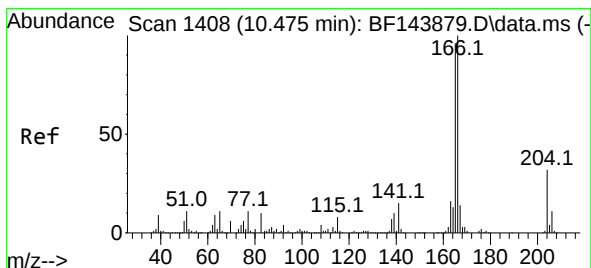
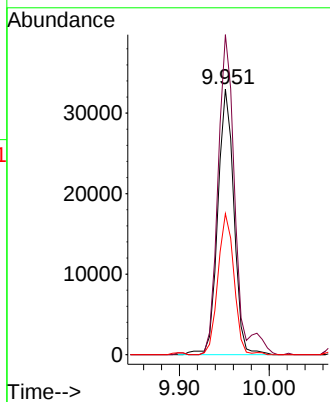
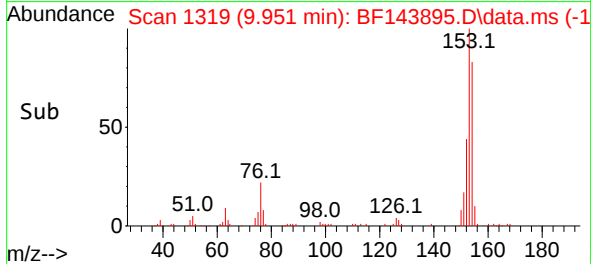
Instrument :
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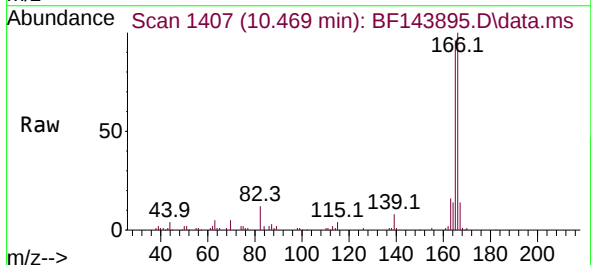
Tgt Ion:154 Resp: 41148
Ion Ratio Lower Upper
154 100
153 120.5 89.3 133.9
152 53.0 42.2 63.2

Manual Integrations
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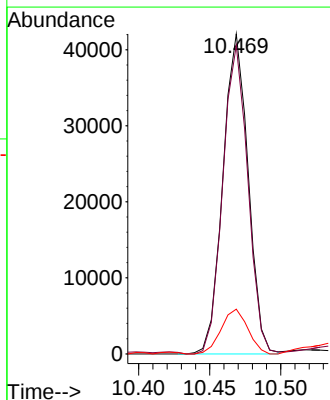
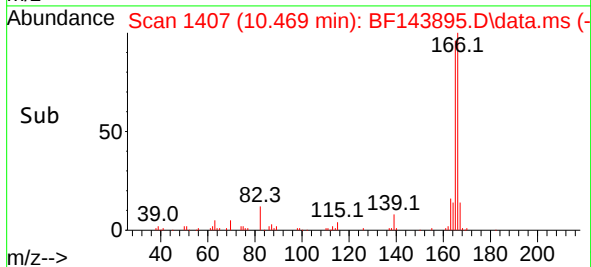
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025

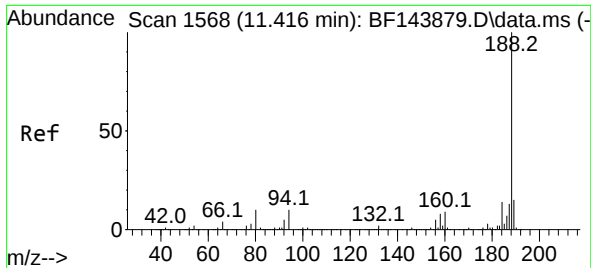


#58
Fluorene
Concen: 4.265 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11



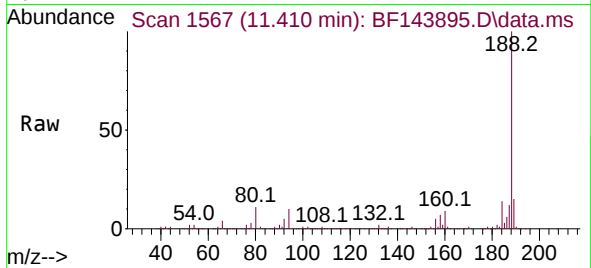
Tgt Ion:166 Resp: 51950
Ion Ratio Lower Upper
166 100
165 96.4 77.0 115.6
167 14.0 11.1 16.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

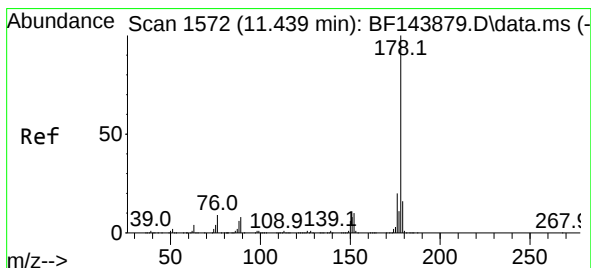
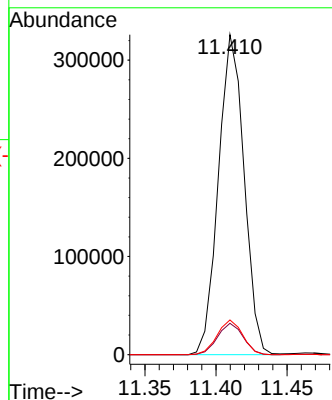
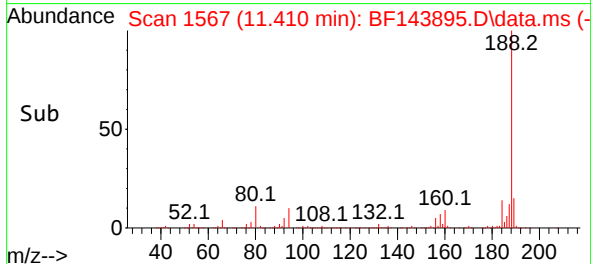
Instrument :
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Tgt Ion:188 Resp: 409675
Ion Ratio Lower Upper
188 100
94 9.8 7.8 11.6
80 10.8 7.9 11.9

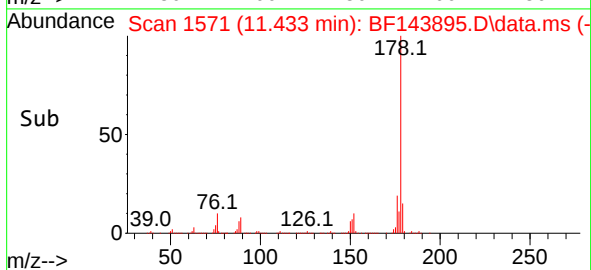
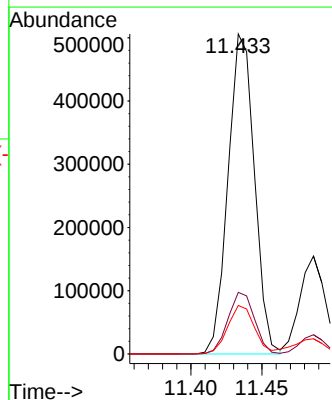
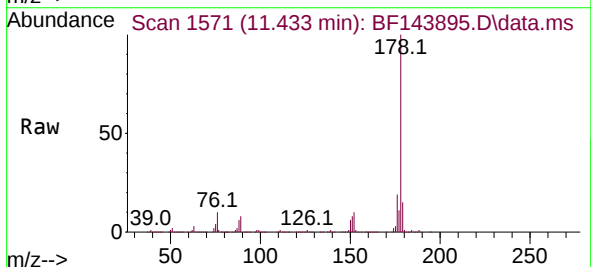
Manual Integrations
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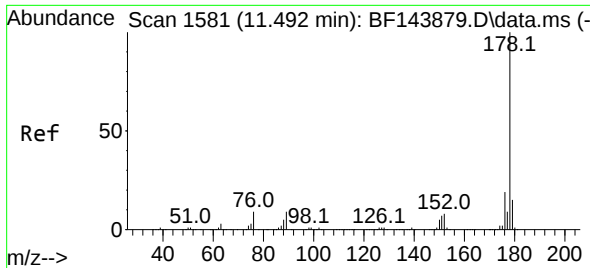
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025



#71
Phenanthrene
Concen: 32.872 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

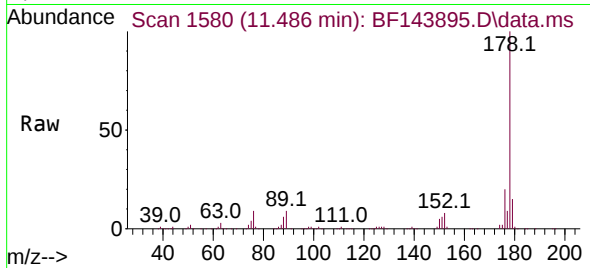
Tgt Ion:178 Resp: 652870
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.1 12.4 18.6





#72
 Anthracene
 Concen: 9.855 ng
 RT: 11.486 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF143895.D
 Acq: 08 Oct 2025 15:11

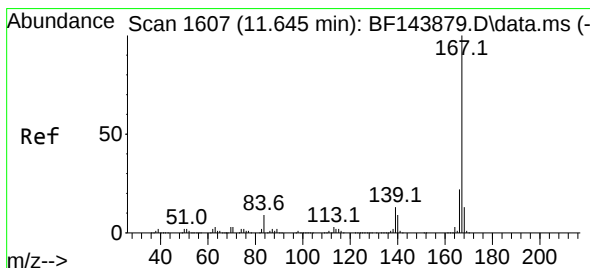
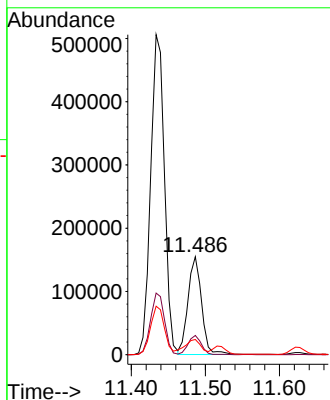
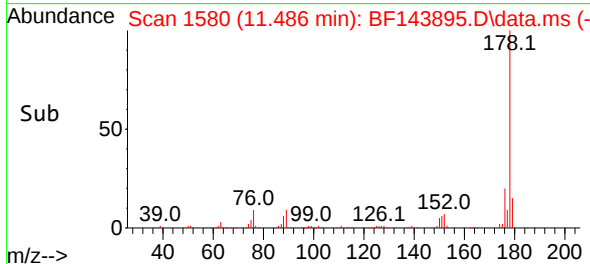
Instrument :
 BNA_F
 ClientSampleId :
 HL-EAST



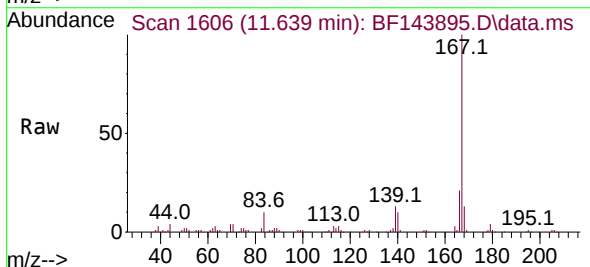
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 178 100
 176 19.5 14.9 22.3
 179 15.5 12.2 18.2

Manual Integrations
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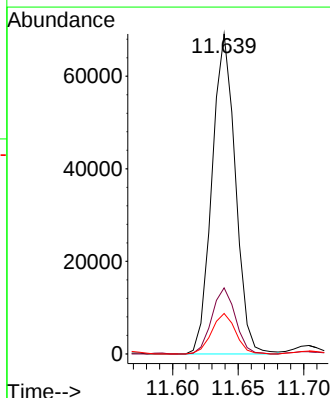
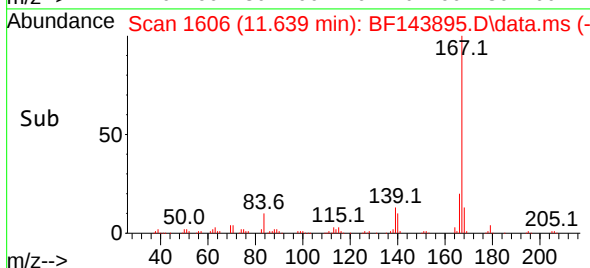
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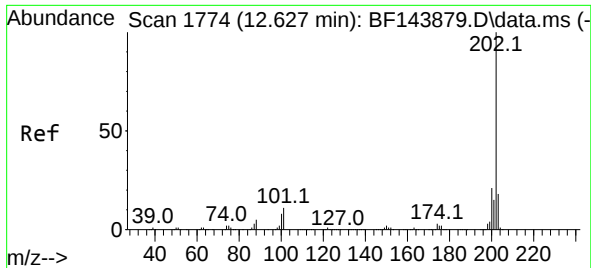


#73
 Carbazole
 Concen: 4.838 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.012 min
 Lab File: BF143895.D
 Acq: 08 Oct 2025 15:11



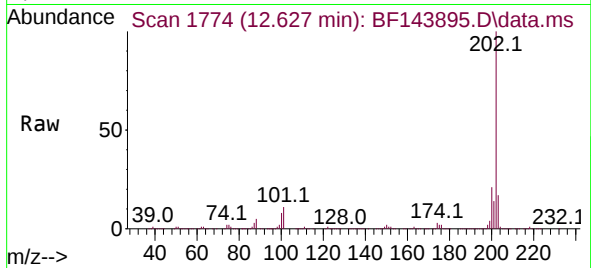
Tgt Ion:167 Resp: 85976
 Ion Ratio Lower Upper
 167 100
 166 20.6 17.2 25.8
 139 12.6 10.1 15.1





#75
Fluoranthene
Concen: 46.135 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

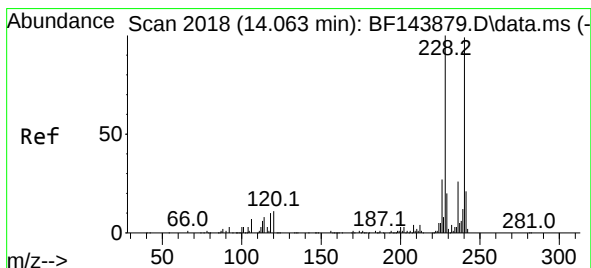
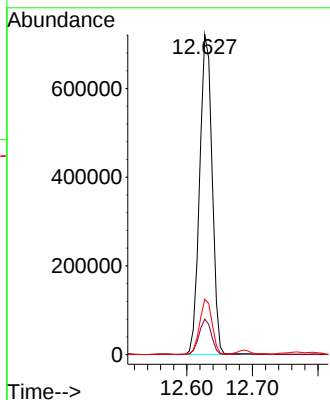
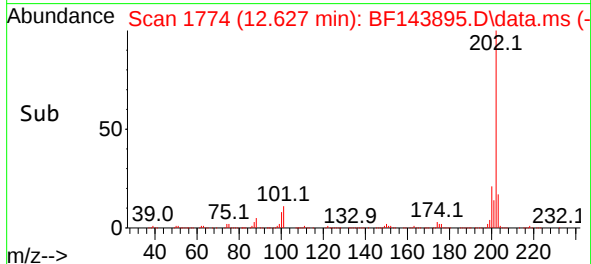
Instrument :
BNA_F
ClientSampleId :
HL-EAST



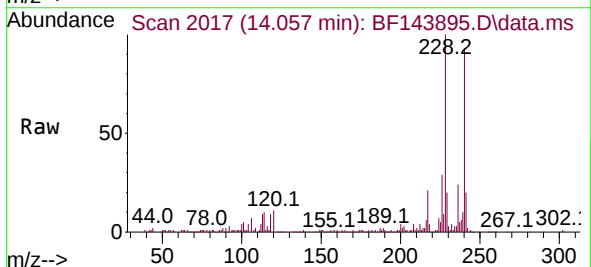
Tgt Ion:202 Resp: 946460
Ion Ratio Lower Upper
202 100
101 11.1 0.0 30.7
203 17.3 0.0 37.8

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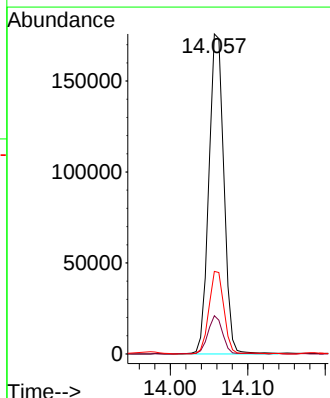
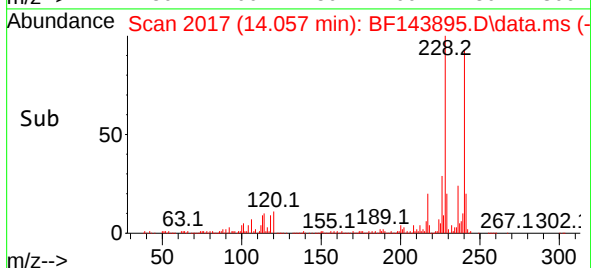
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025

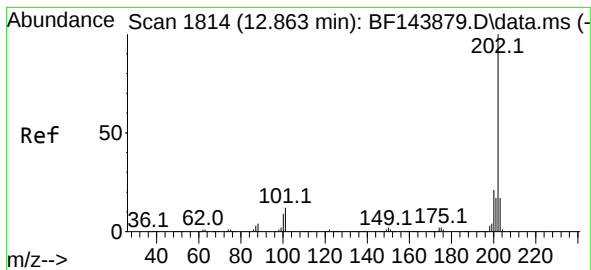


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11



Tgt Ion:240 Resp: 236435
Ion Ratio Lower Upper
240 100
120 11.9 8.6 13.0
236 25.8 21.1 31.7





#78

Pyrene

Concen: 39.251 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143895.D

Acq: 08 Oct 2025 15:11

Instrument :

BNA_F

ClientSampleId :

HL-EAST

Tgt Ion:202 Resp: 773693

Ion Ratio Lower Upper

202 100

200 21.2 17.0 25.6

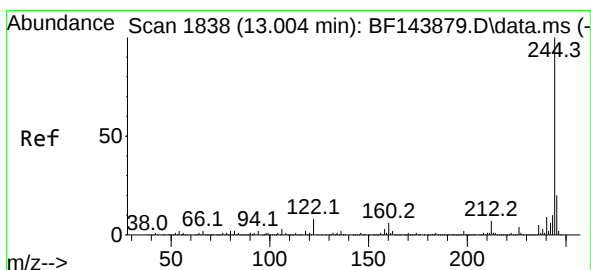
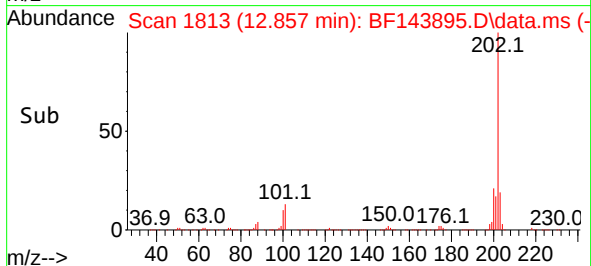
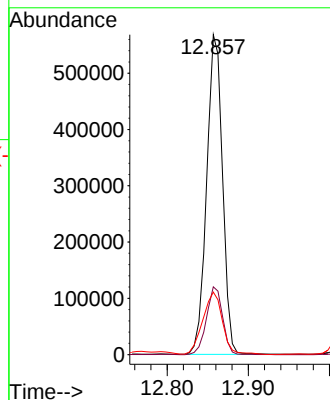
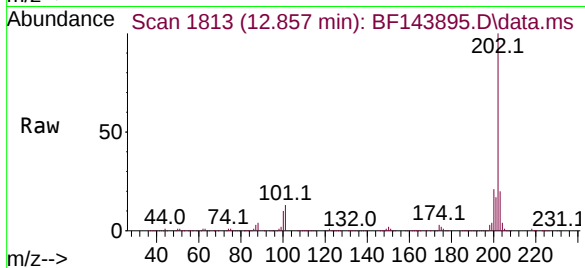
203 19.5 13.8 20.6

Manual Integrations

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Reviewed By :Rahul Chavli 10/09/2025

Supervised By :Jagrut Upadhyay 10/09/2025



#79

Terphenyl-d14

Concen: 49.071 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF143895.D

Acq: 08 Oct 2025 15:11

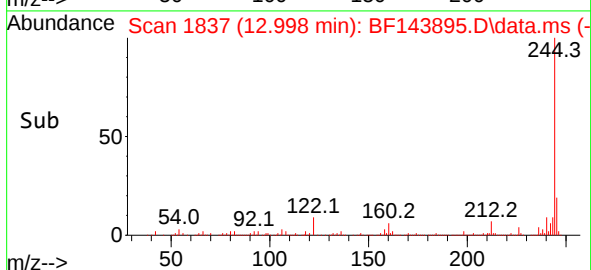
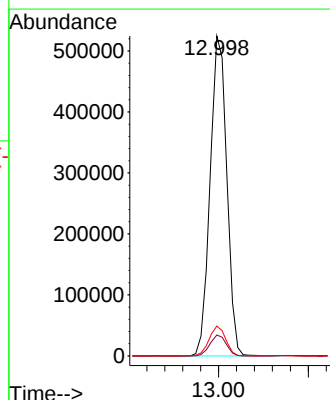
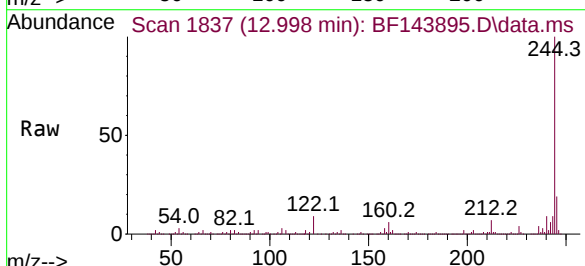
Tgt Ion:244 Resp: 678847

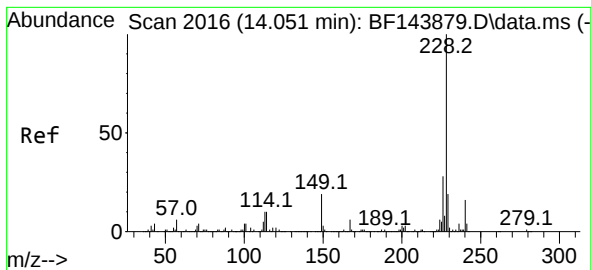
Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

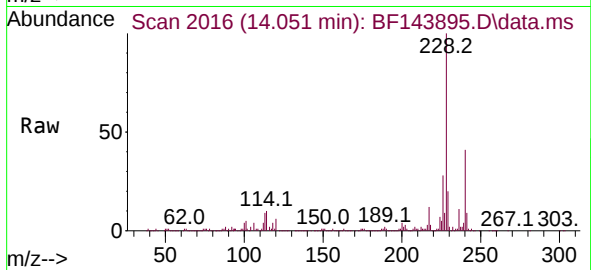
122 9.3 6.4 9.6





#81
Benzo(a)anthracene
Concen: 26.584 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

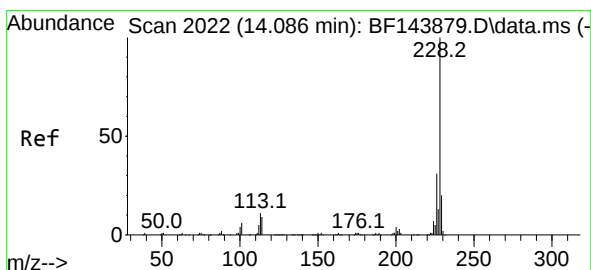
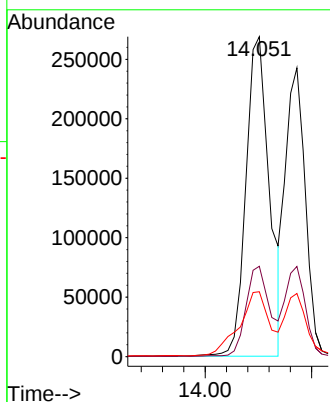
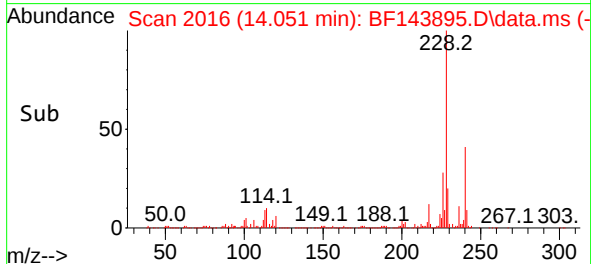
Instrument :
BNA_F
ClientSampleId :
HL-EAST



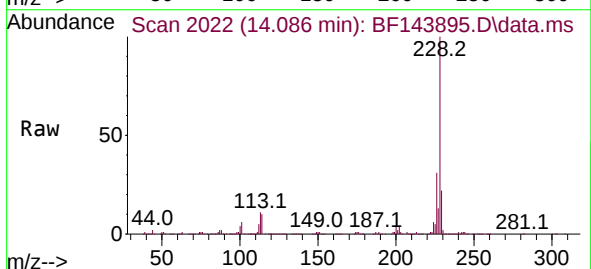
Tgt Ion:228 Resp: 411325
Ion Ratio Lower Upper
228 100
226 28.2 22.2 33.2
229 20.3 15.6 23.4

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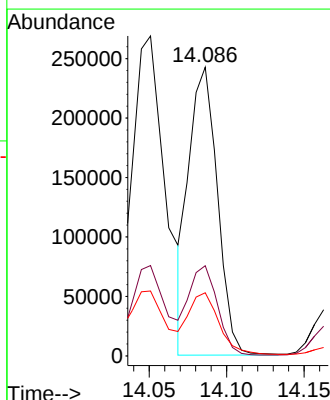
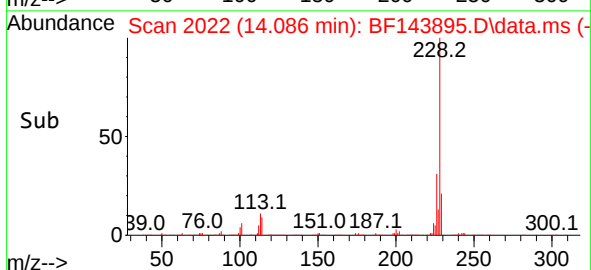
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025

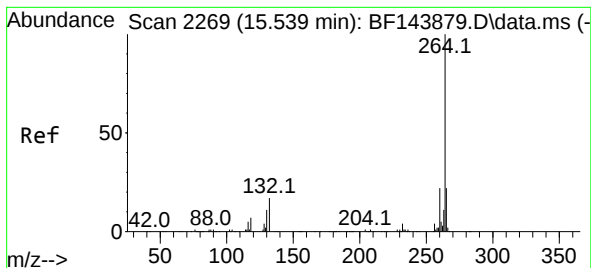


#83
Chrysene
Concen: 21.781 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11



Tgt Ion:228 Resp: 311910
Ion Ratio Lower Upper
228 100
226 31.3 24.4 36.6
229 21.9 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143895.D

Acq: 08 Oct 2025 15:11

Instrument :

BNA_F

ClientSampleId :

HL-EAST

Tgt Ion:264 Resp: 301845

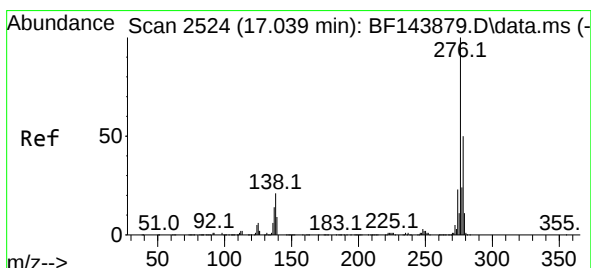
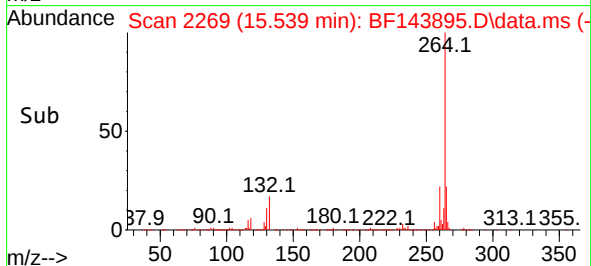
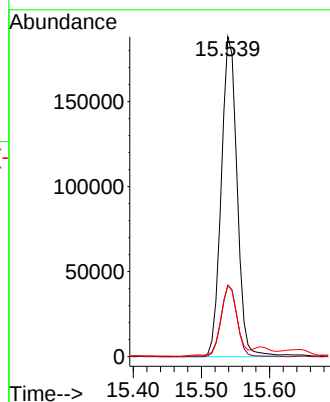
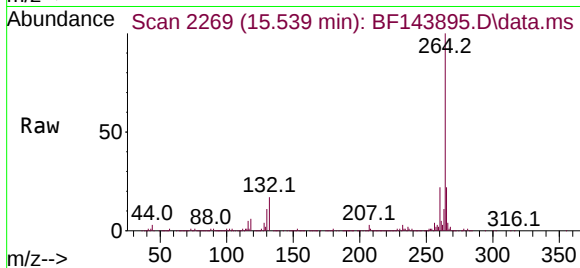
Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.8	26.8
265	22.3	17.5	26.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/09/2025

Supervised By :Jagrut Upadhyay 10/09/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 10.964 ng

RT: 17.027 min Scan# 2522

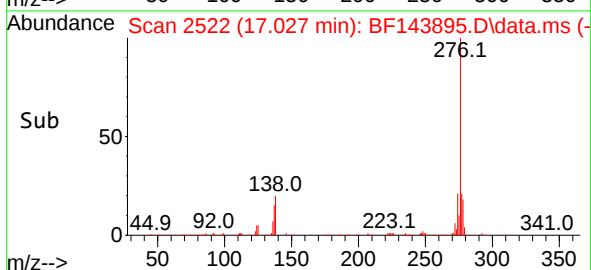
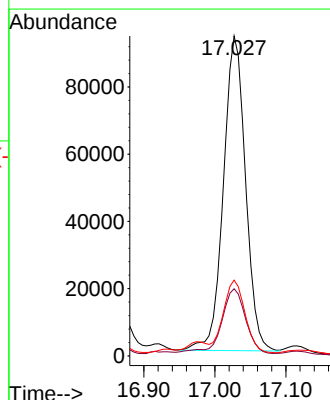
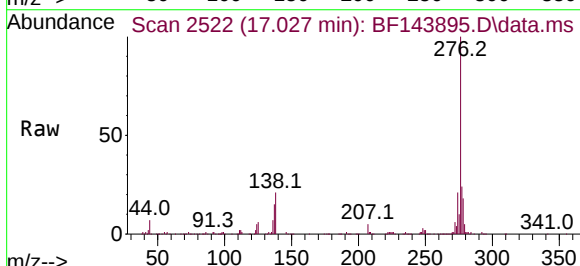
Delta R.T. -0.029 min

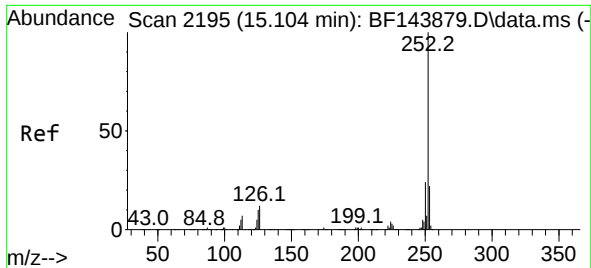
Lab File: BF143895.D

Acq: 08 Oct 2025 15:11

Tgt Ion:276 Resp: 202775

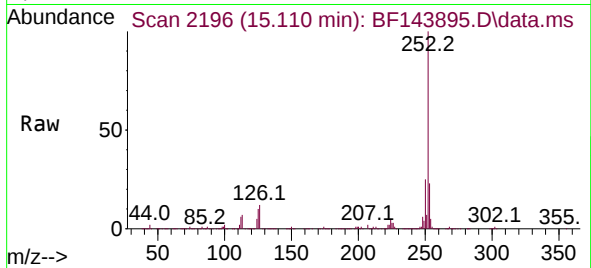
Ion	Ratio	Lower	Upper
276	100		
138	24.1	18.2	27.2
277	23.2	19.8	29.6





#88
Benzo(b)fluoranthene
Concen: 24.204 ng m
RT: 15.110 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

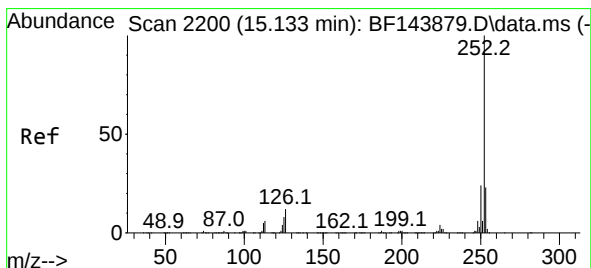
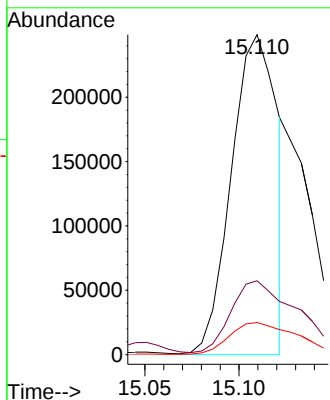
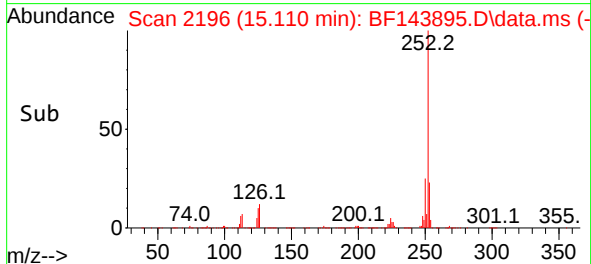
Instrument :
BNA_F
ClientSampleId :
HL-EAST



Tgt Ion:252 Resp: 419663
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.2
125 10.0 7.8 11.6

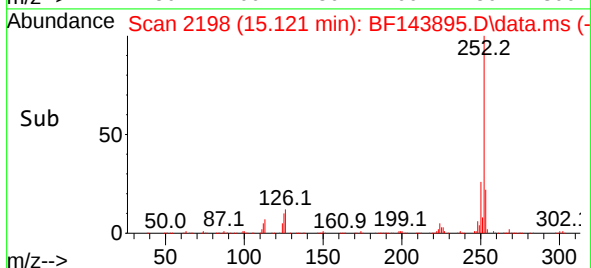
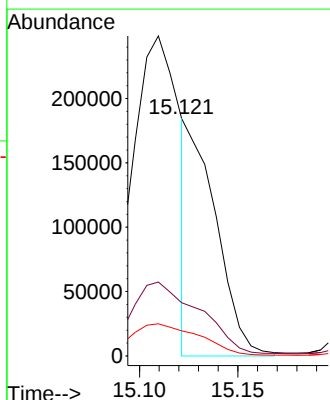
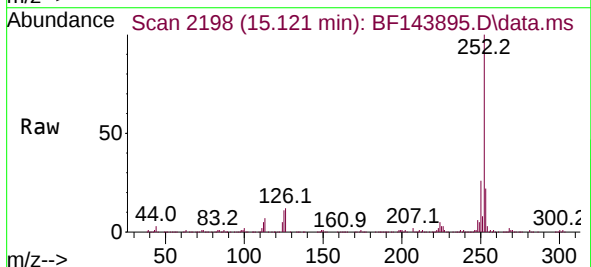
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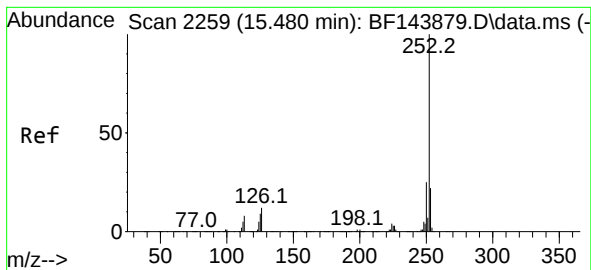
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025



#89
Benzo(k)fluoranthene
Concen: 11.387 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

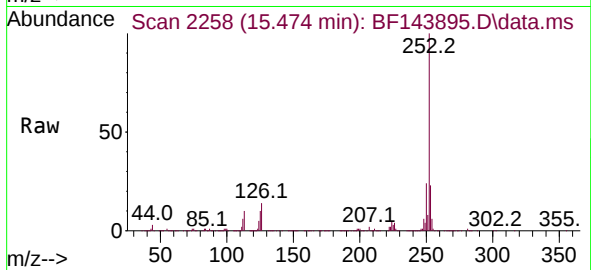
Tgt Ion:252 Resp: 182689
Ion Ratio Lower Upper
252 100
253 22.4 17.8 26.8
125 10.5 7.4 11.2





#90
Benzo(a)pyrene
Concen: 22.003 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

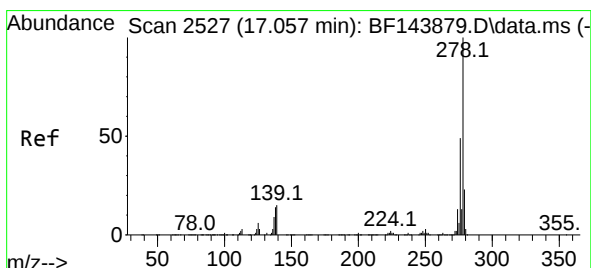
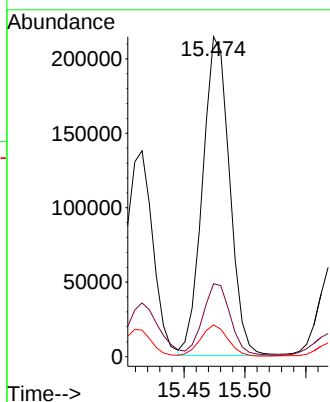
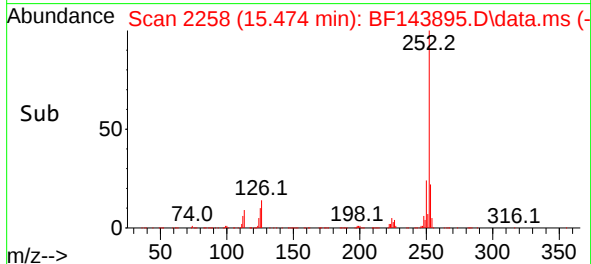
Instrument :
BNA_F
ClientSampleId :
HL-EAST



Tgt Ion:252 Resp: 330804
Ion Ratio Lower Upper
252 100
253 22.8 17.3 25.9
125 9.9 7.0 10.4

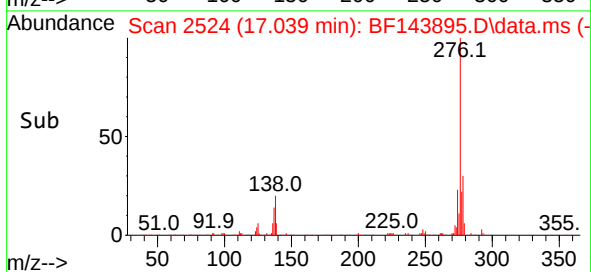
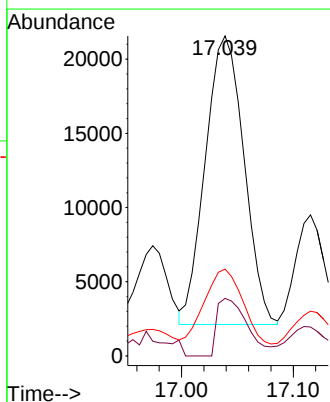
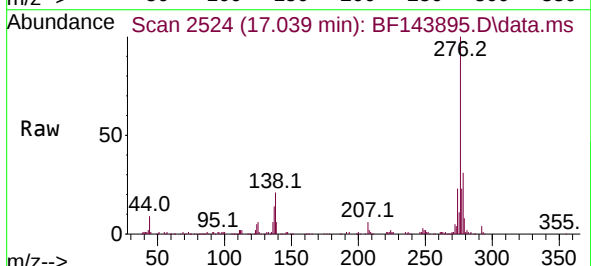
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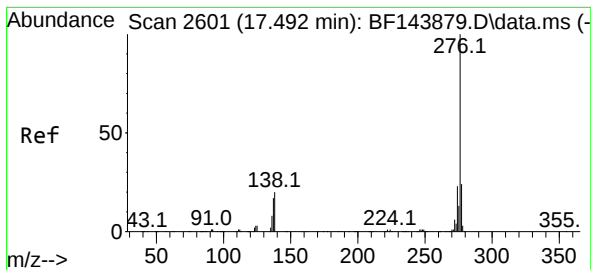
Reviewed By :Rahul Chavli 10/09/2025
Supervised By :Jagrut Upadhyay 10/09/2025



#91
Dibenzo(a,h)anthracene
Concen: 3.142 ng m
RT: 17.039 min Scan# 2524
Delta R.T. -0.041 min
Lab File: BF143895.D
Acq: 08 Oct 2025 15:11

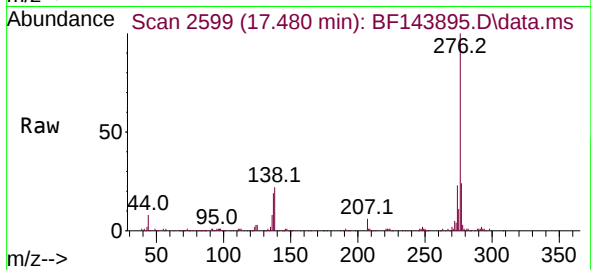
Tgt Ion:278 Resp: 46732
Ion Ratio Lower Upper
278 100
139 18.0 11.7 17.5#
279 27.1 18.4 27.6





#92
 Benzo(g,h,i)perylene
 Concen: 12.162 ng
 RT: 17.480 min Scan# 2599
 Delta R.T. -0.035 min
 Lab File: BF143895.D
 Acq: 08 Oct 2025 15:11

Instrument :
 BNA_F
 ClientSampleId :
 HL-EAST



Tgt Ion:276 Resp: 180915
 Ion Ratio Lower Upper
 276 100
 277 23.7 19.0 28.6
 138 21.7 16.1 24.1

Manual Integrations
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Reviewed By :Rahul Chavli 10/09/2025
 Supervised By :Jagrut Upadhyay 10/09/2025

