

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
 Data File : BF143851.D
 Acq On : 30 Sep 2025 23:59
 Operator : RC/JU
 Sample : Q3240-01 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-02-092925

Quant Time: Oct 01 02:41:33 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 24 05:00:00 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/01/2025
 Supervised By :Jagrut Upadhyay 10/01/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.886	152	140617	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	498148	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	242637	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	395225	20.000	ng	0.00
76) Chrysene-d12	14.057	240	595953	20.000	ng	0.00
86) Perylene-d12	15.539	264	676128	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	169261	19.557	ng	-0.01
7) Phenol-d6	6.492	99	194728	19.472	ng	-0.02
23) Nitrobenzene-d5	7.439	82	108474	13.329	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	88719	24.695	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	238864	15.362	ng	0.00
79) Terphenyl-d14	12.998	244	410131	13.996	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.433	178	188118	9.271	ng	100
75) Fluoranthene	12.627	202	374620	18.357	ng	99
78) Pyrene	12.857	202	395135	13.486	ng	99
81) Benzo(a)anthracene	14.045	228	234505m	7.325	ng	
83) Chrysene	14.080	228	223075	7.700	ng	97
87) Indeno(1,2,3-cd)pyrene	17.021	276	122148	2.381	ng	96
88) Benzo(b)fluoranthene	15.104	252	317186m	9.212	ng	
89) Benzo(k)fluoranthene	15.115	252	128529m	3.716	ng	
90) Benzo(a)pyrene	15.468	252	228827	7.070	ng	97
92) Benzo(g,h,i)perylene	17.474	276	123089	3.043	ng	98

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

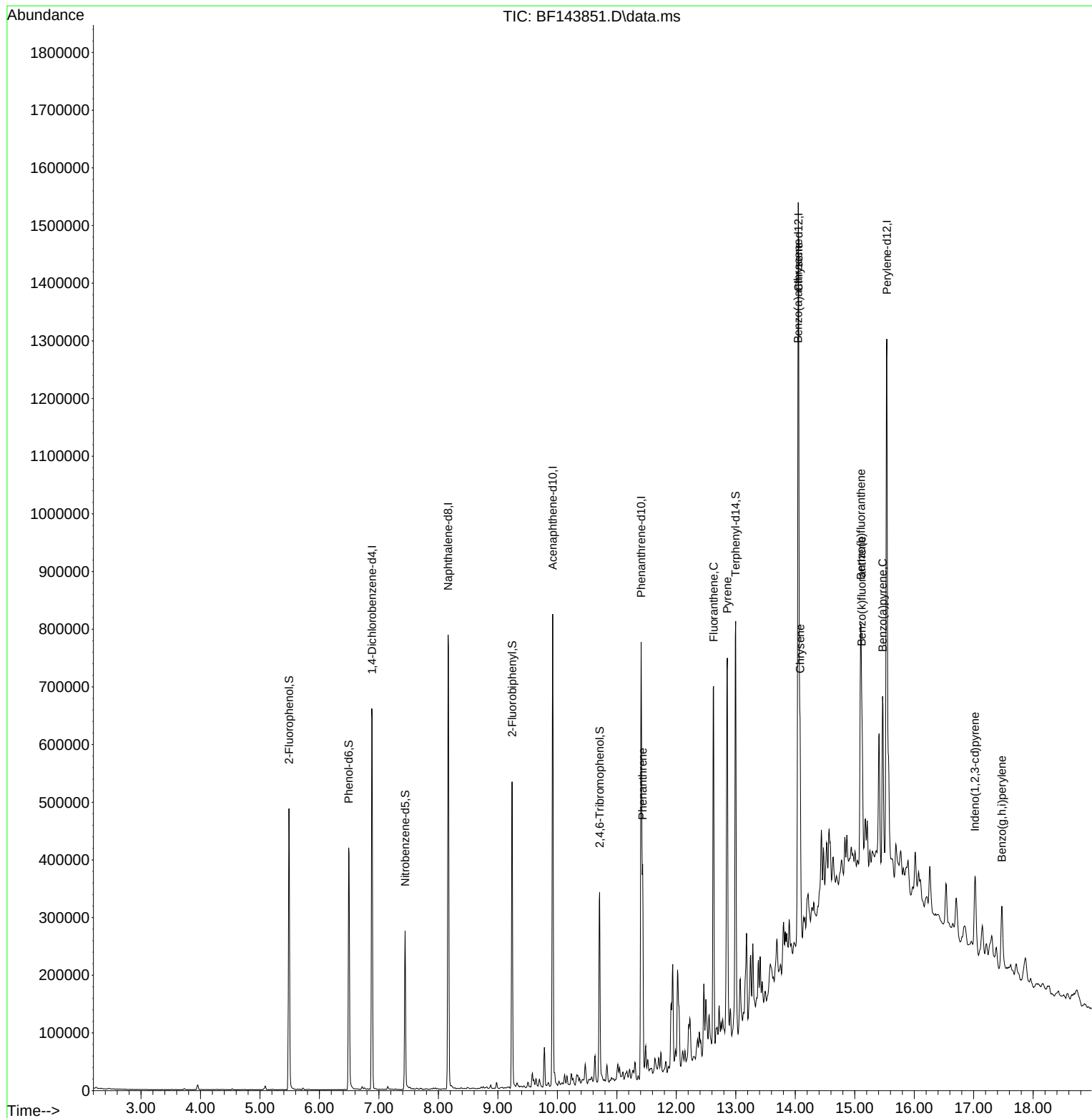
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF093025\
Data File : BF143851.D
Acq On : 30 Sep 2025 23:59
Operator : RC/JU
Sample : Q3240-01 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

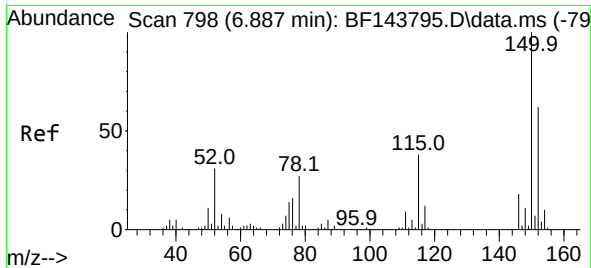
Instrument :
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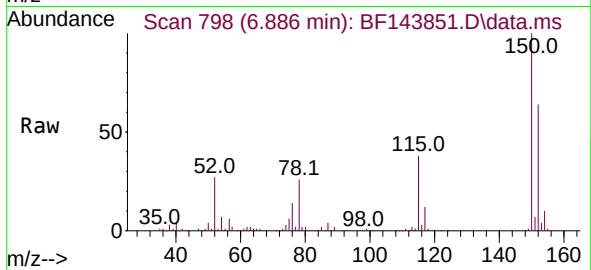
Quant Time: Oct 01 02:41:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF092325.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 24 05:00:00 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.886 min Scan# 798
Delta R.T. -0.001 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

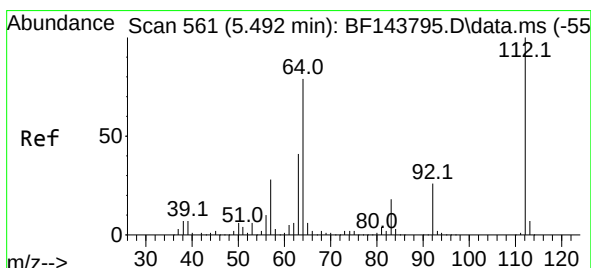
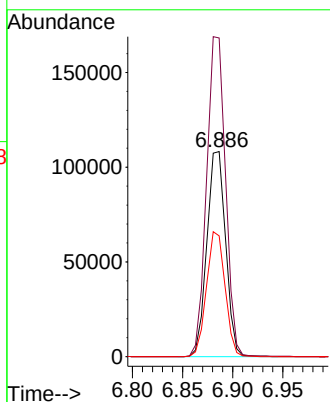
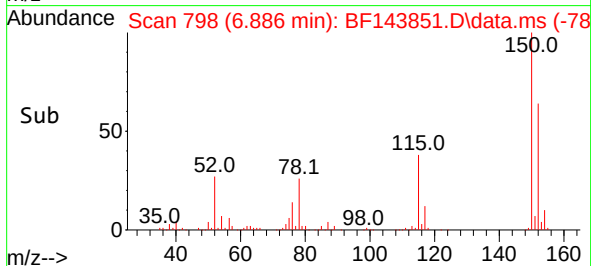
Instrument :
BNA_F
ClientSampleId :
OK-02-092925



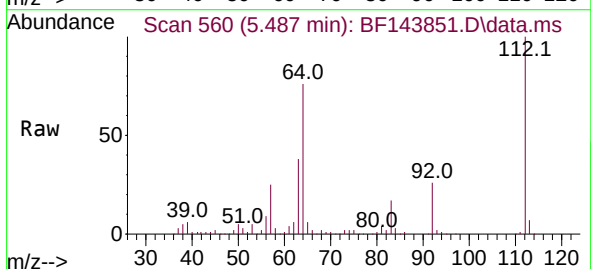
Tgt Ion:152 Resp: 140617
Ion Ratio Lower Upper
152 100
150 155.4 129.6 194.4
115 58.9 49.0 73.4

Manual Integrations
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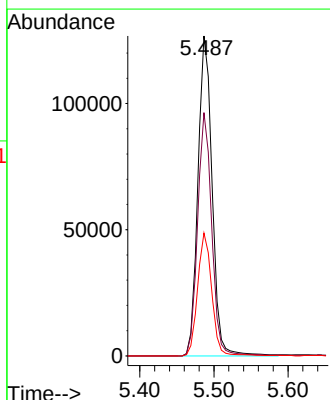
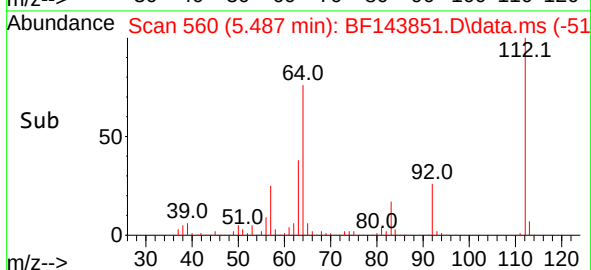
Reviewed By :Rahul Chavli 10/01/2025
Supervised By :Jagrut Upadhyay 10/01/2025

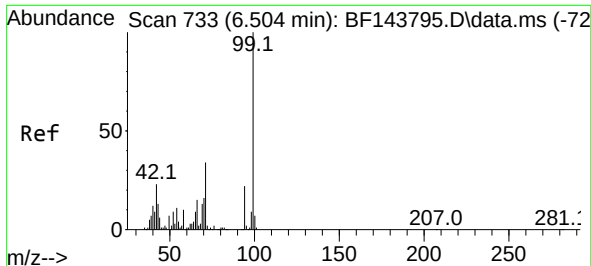


#5
2-Fluorophenol
Concen: 19.557 ng
RT: 5.487 min Scan# 560
Delta R.T. -0.011 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59



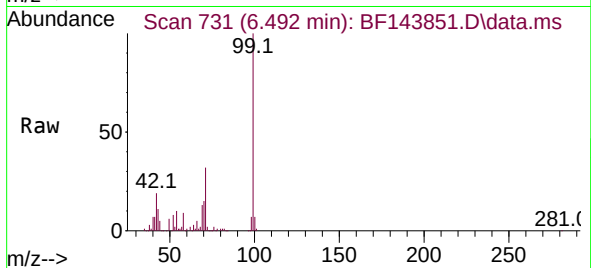
Tgt Ion:112 Resp: 169261
Ion Ratio Lower Upper
112 100
64 76.0 63.0 94.4
63 38.4 32.6 49.0





#7
Phenol-d6
Concen: 19.472 ng
RT: 6.492 min Scan# 731
Delta R.T. -0.018 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

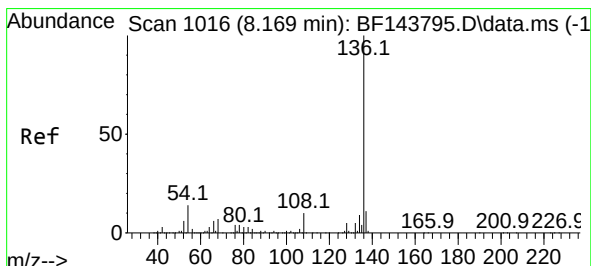
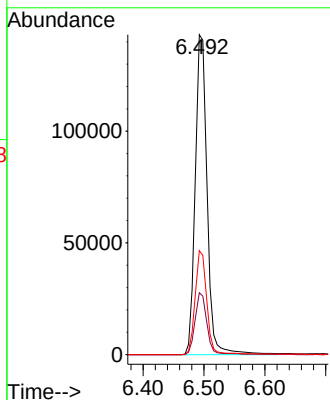
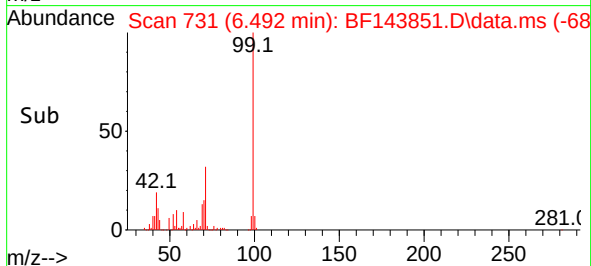
Instrument :
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Tgt Ion: 99 Resp: 194728
Ion Ratio Lower Upper
99 100
42 19.3 18.6 28.0
71 32.5 27.0 40.4

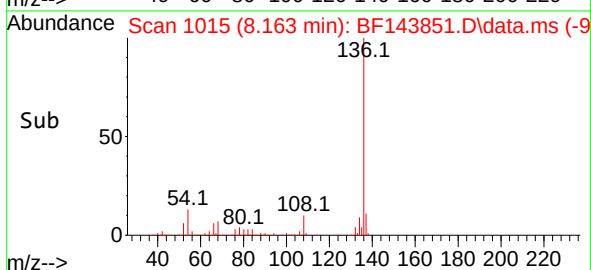
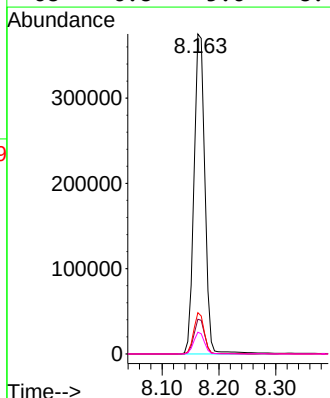
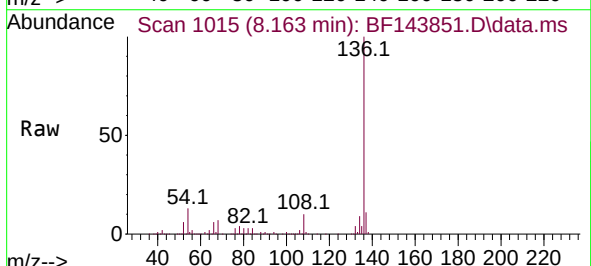
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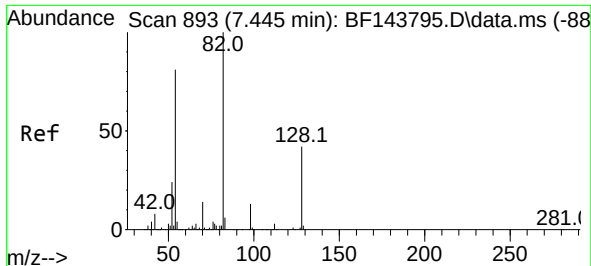
Reviewed By :Rahul Chavli 10/01/2025
Supervised By :Jagrut Upadhyay 10/01/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

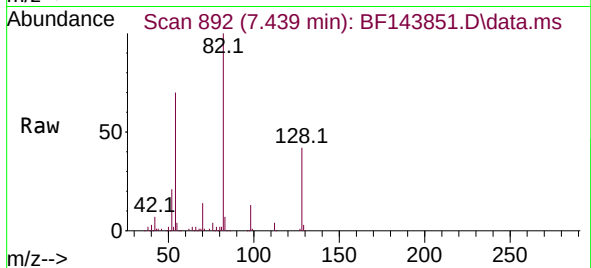
Tgt Ion:136 Resp: 498148
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.4
54 12.9 11.2 16.8
68 6.8 5.6 8.4





#23
Nitrobenzene-d5
Concen: 13.329 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.012 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

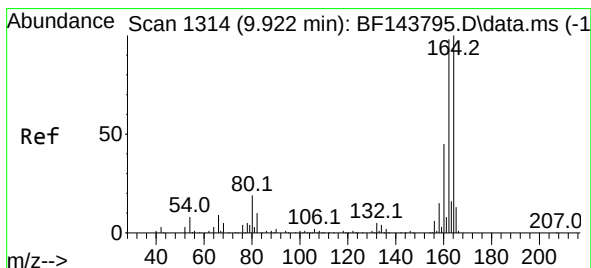
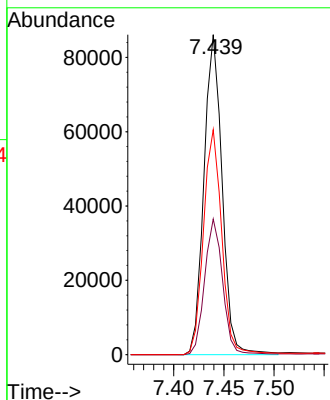
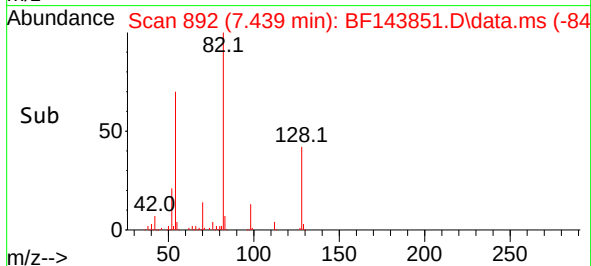
Instrument :
BNA_F
ClientSampleId :
OK-02-092925



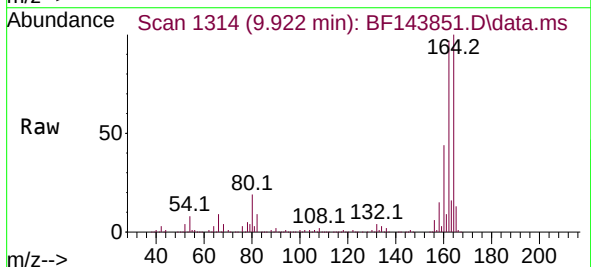
Tgt Ion: 82 Resp: 108474
Ion Ratio Lower Upper
82 100
128 42.4 33.3 49.9
54 70.3 64.2 96.4

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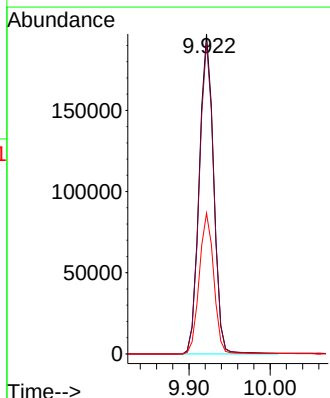
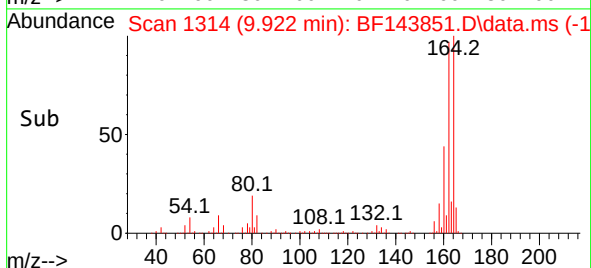
Reviewed By :Rahul Chavli 10/01/2025
Supervised By :Jagrut Upadhyay 10/01/2025

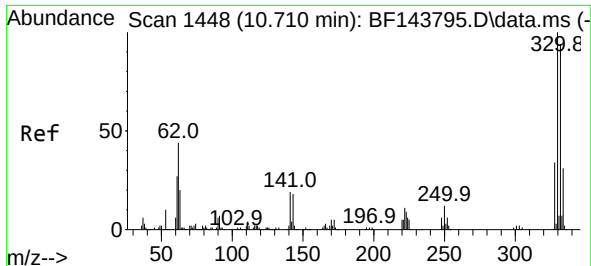


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59



Tgt Ion:164 Resp: 242637
Ion Ratio Lower Upper
164 100
162 97.5 78.8 118.2
160 44.0 35.8 53.6





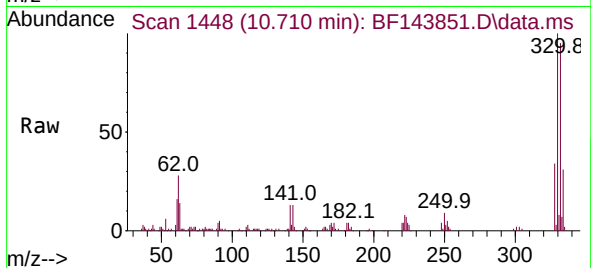
#42
2,4,6-Tribromophenol
Concen: 24.695 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Instrument :

BNA_F

ClientSampleId :

OK-02-092925



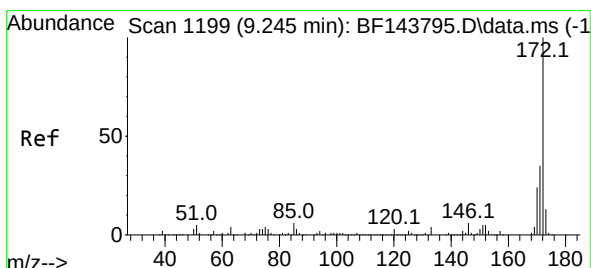
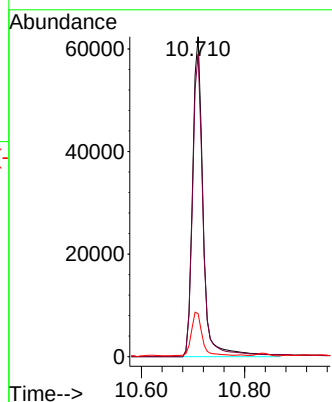
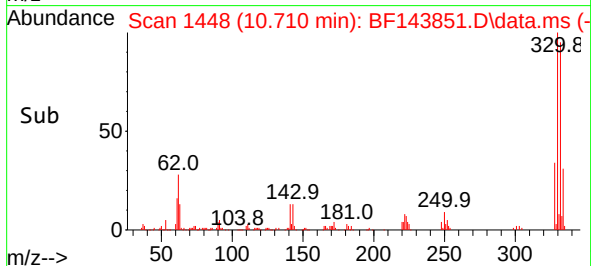
Tgt Ion: 330 Resp: 88719
Ion Ratio Lower Upper
330 100
332 94.2 74.7 112.1
141 13.8 14.3 21.5

Manual Integrations

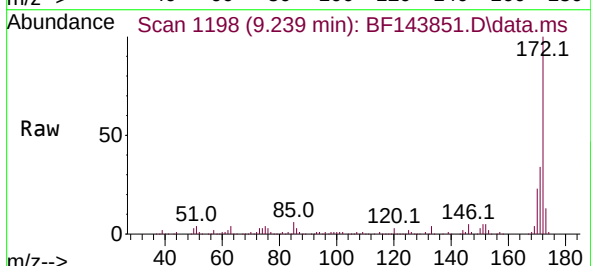
APPROVED

Reviewed By :Rahul Chavli 10/01/2025

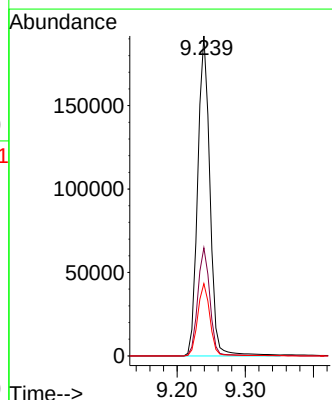
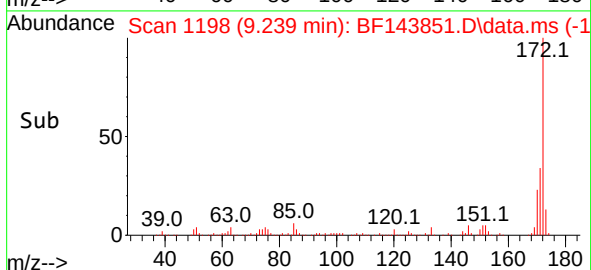
Supervised By :Jagrut Upadhyay 10/01/2025

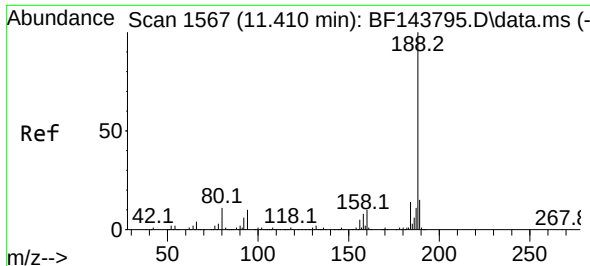


#45
2-Fluorobiphenyl
Concen: 15.362 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59



Tgt Ion: 172 Resp: 238864
Ion Ratio Lower Upper
172 100
171 33.8 27.9 41.9
170 22.6 19.1 28.7





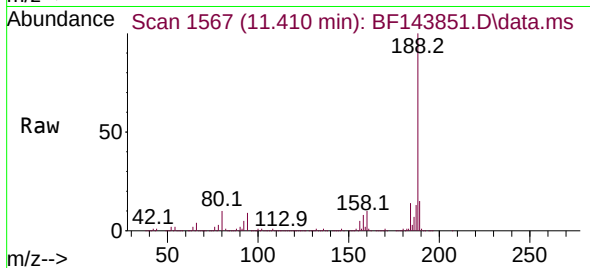
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Instrument :

BNA_F

ClientSampleId :

OK-02-092925



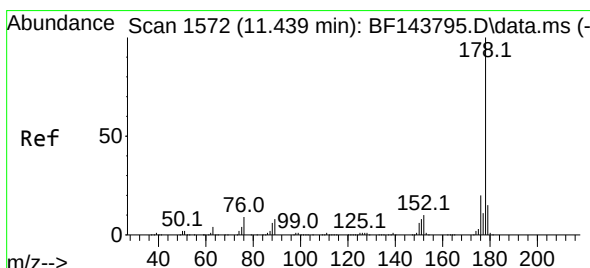
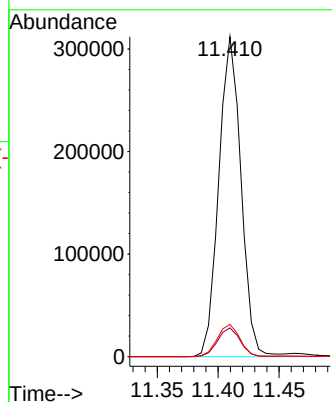
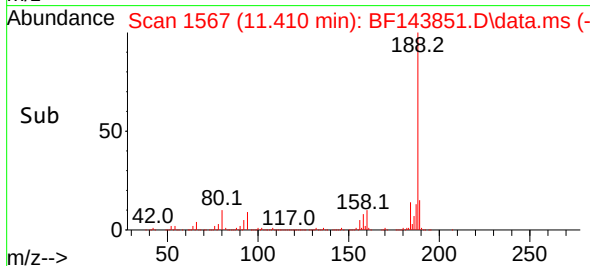
Tgt Ion:188 Resp: 395225
Ion Ratio Lower Upper
188 100
94 9.0 8.2 12.2
80 10.1 8.6 12.8

Manual Integrations

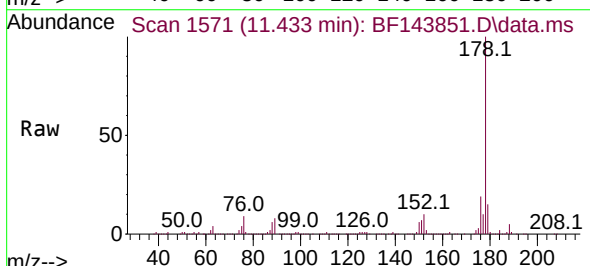
APPROVED

Reviewed By :Rahul Chavli 10/01/2025

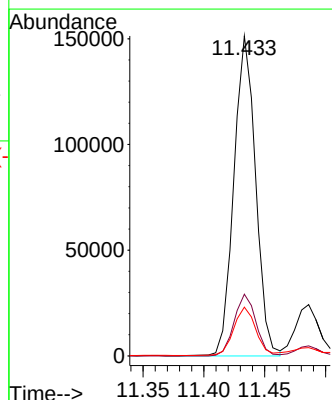
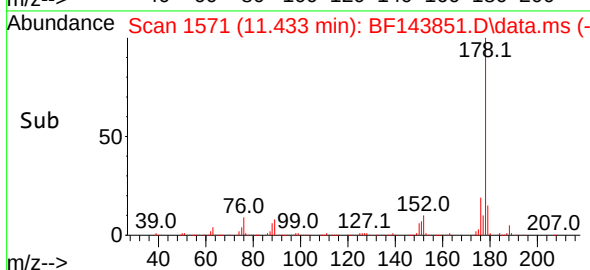
Supervised By :Jagrut Upadhyay 10/01/2025

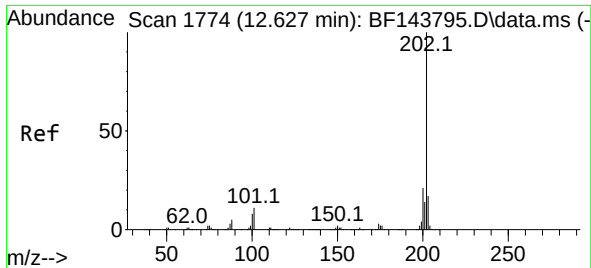


#71
Phenanthrene
Concen: 9.271 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59



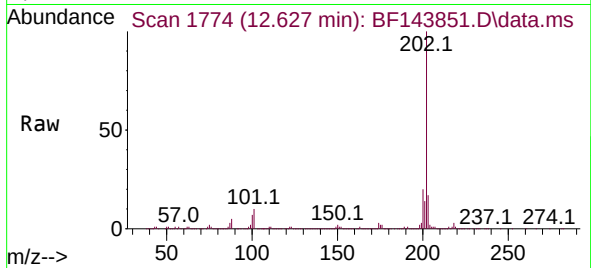
Tgt Ion:178 Resp: 188118
Ion Ratio Lower Upper
178 100
176 19.3 15.6 23.4
179 15.2 12.2 18.4





#75
Fluoranthene
Concen: 18.357 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

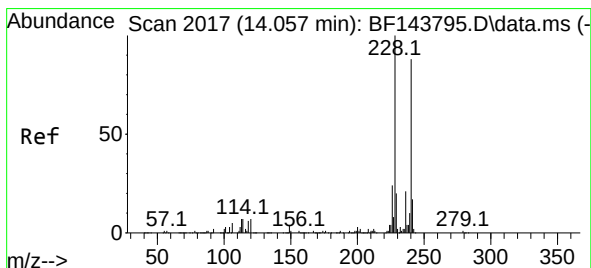
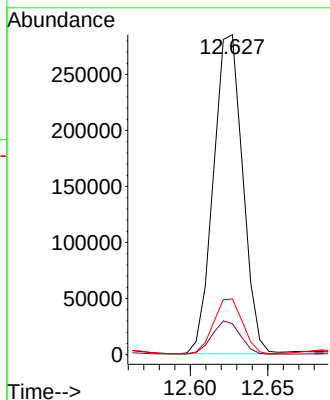
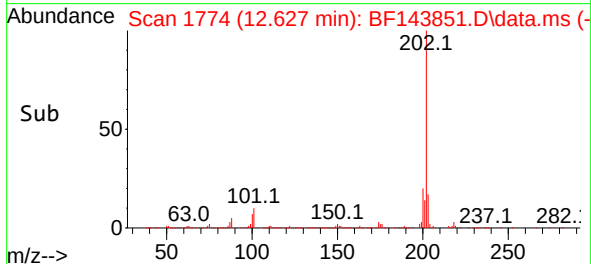
Instrument :
BNA_F
ClientSampleId :
OK-02-092925



Tgt Ion:202 Resp: 374620
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.1
203 17.4 0.0 37.4

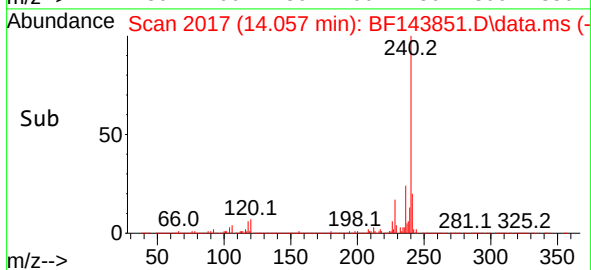
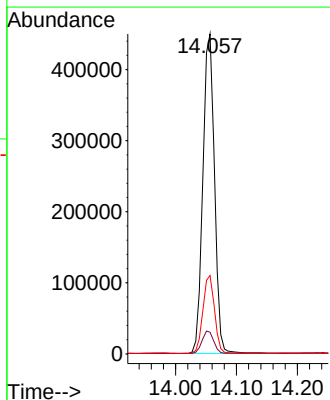
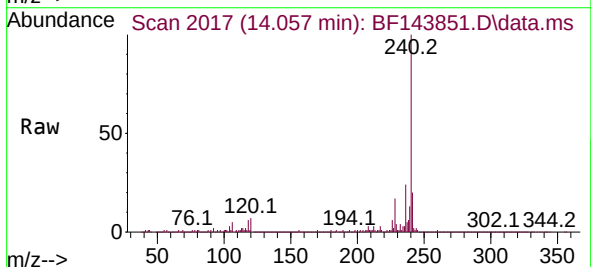
Manual Integrations
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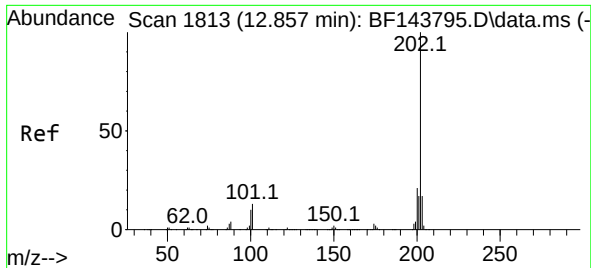
Reviewed By :Rahul Chavli 10/01/2025
Supervised By :Jagrut Upadhyay 10/01/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

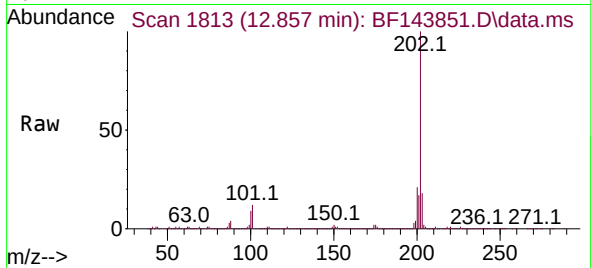
Tgt Ion:240 Resp: 595953
Ion Ratio Lower Upper
240 100
120 6.8 6.2 9.4
236 24.5 19.4 29.2





#78
Pyrene
Concen: 13.486 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.000 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

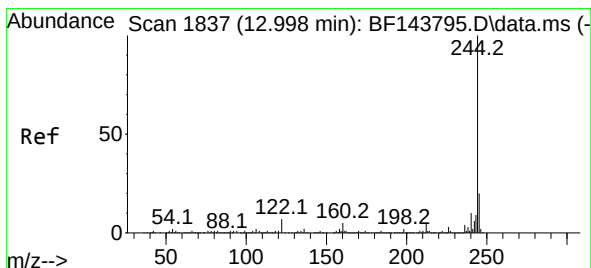
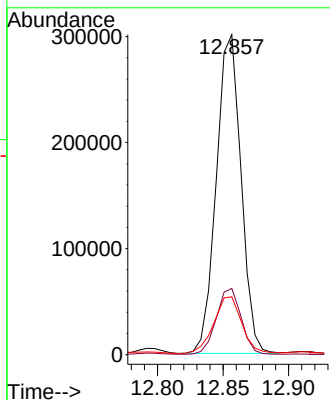
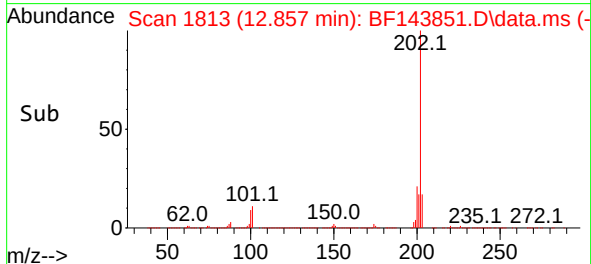
Instrument :
BNA_F
ClientSampleId :
OK-02-092925



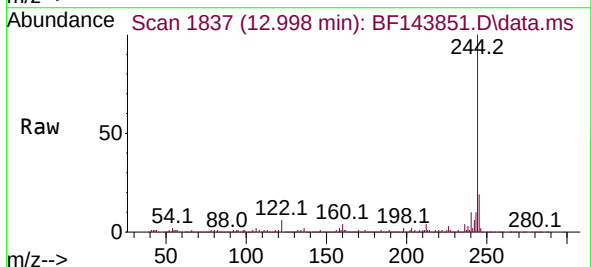
Tgt Ion:202 Resp: 395135
Ion Ratio Lower Upper
202 100
200 20.7 17.0 25.4
203 18.1 13.9 20.9

Manual Integrations
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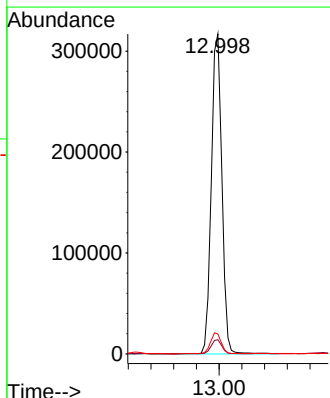
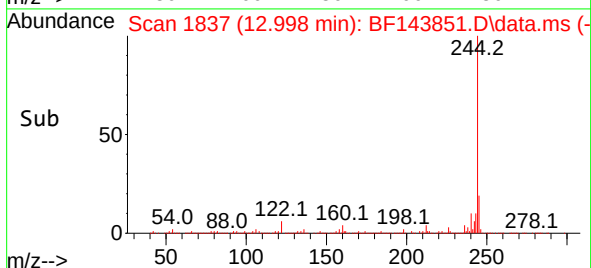
Reviewed By :Rahul Chavli 10/01/2025
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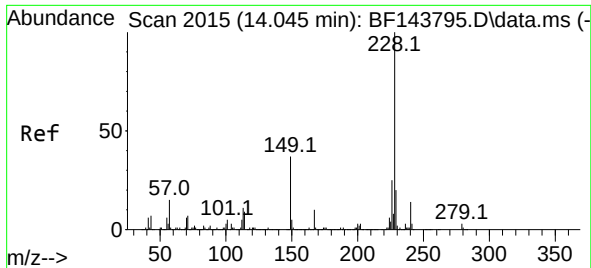


#79
Terphenyl-d14
Concen: 13.996 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59



Tgt Ion:244 Resp: 410131
Ion Ratio Lower Upper
244 100
212 4.4 3.9 5.9
122 6.2 5.6 8.4





#81
Benzo(a)anthracene
Concen: 7.325 ng m
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Instrument :

BNA_F

ClientSampleId :

OK-02-092925

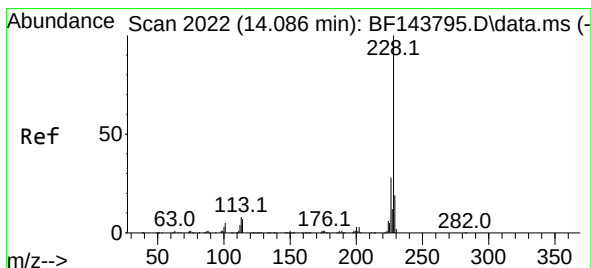
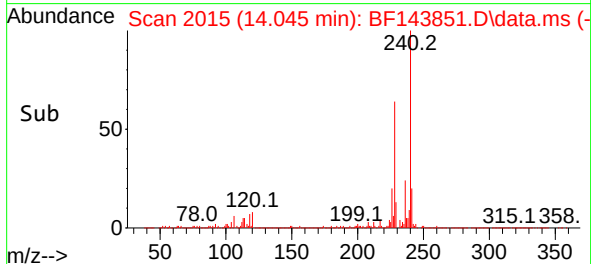
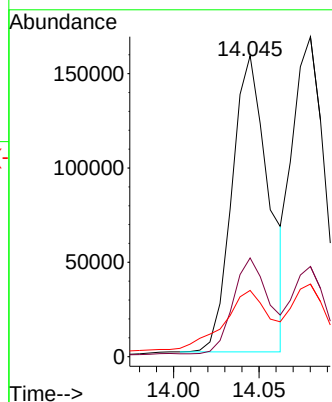
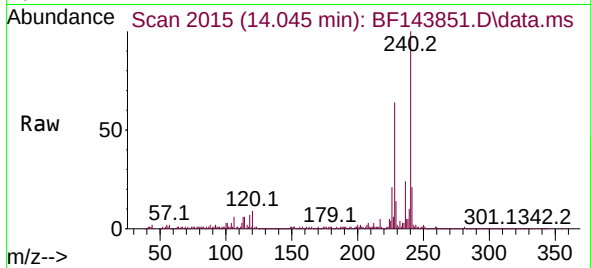
Tgt Ion:228 Resp: 234505
Ion Ratio Lower Upper
228 100
226 32.8 20.2 30.2
229 22.0 16.1 24.1

Manual Integrations

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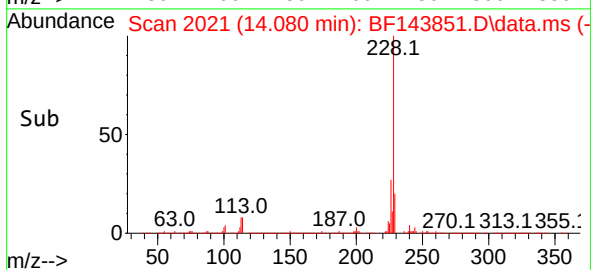
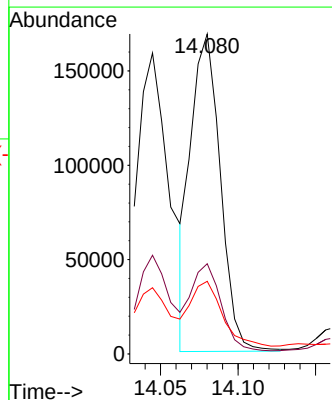
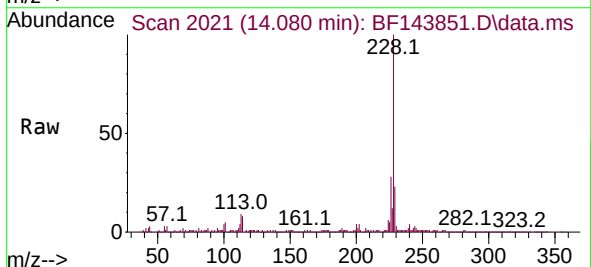
Reviewed By :Rahul Chavli 10/01/2025

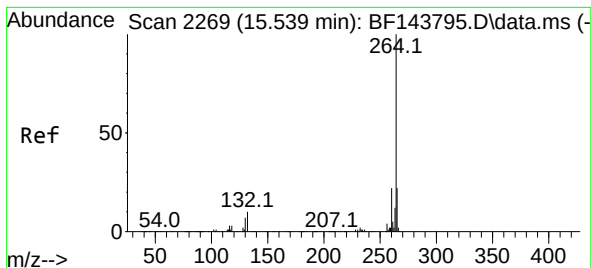
Supervised By :Jagrut Upadhyay 10/01/2025



#83
Chrysene
Concen: 7.700 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

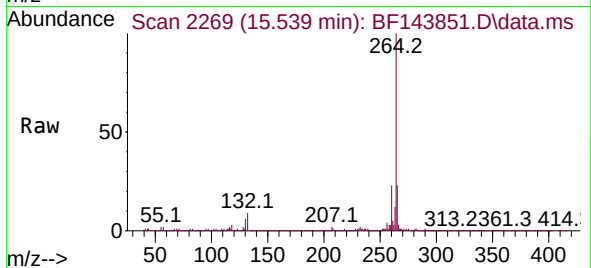
Tgt Ion:228 Resp: 223075
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 22.7 15.6 23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

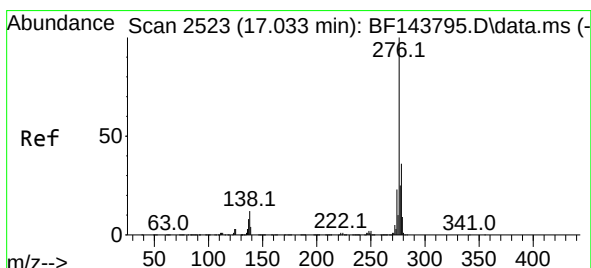
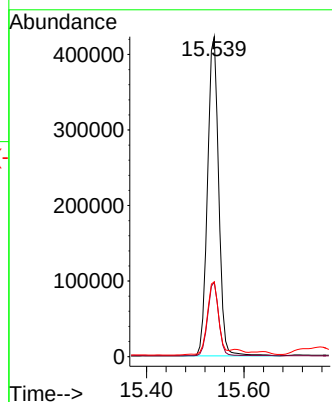
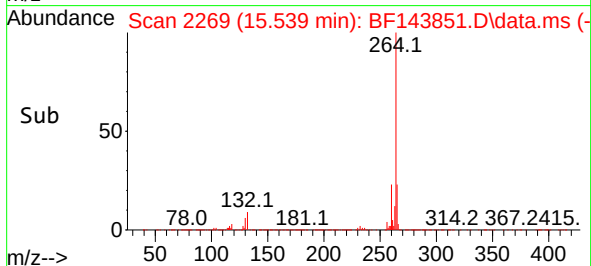
Instrument :
BNA_F
ClientSampleId :
OK-02-092925



Tgt Ion:264 Resp: 676128
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 23.4 17.7 26.5

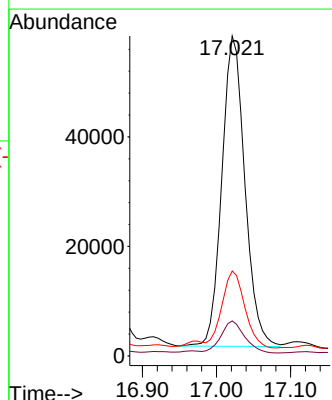
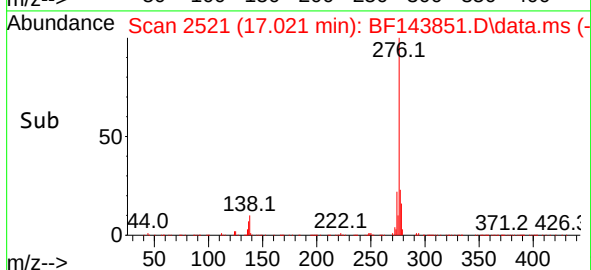
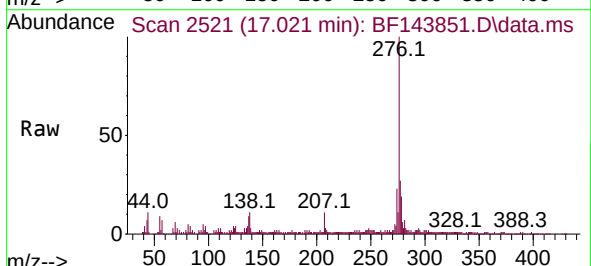
Manual Integrations
APPROVED

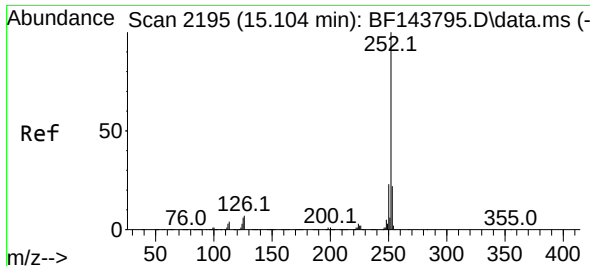
Reviewed By :Rahul Chavli 10/01/2025
Supervised By :Jagrut Upadhyay 10/01/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.381 ng
RT: 17.021 min Scan# 2521
Delta R.T. -0.024 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

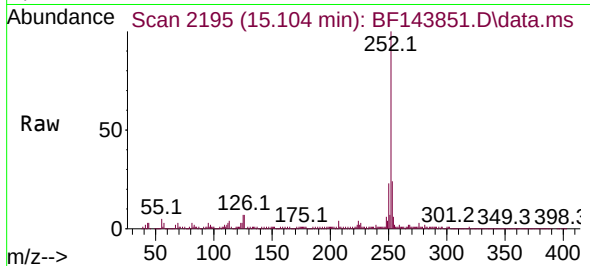
Tgt Ion:276 Resp: 122148
Ion Ratio Lower Upper
276 100
138 10.6 10.6 15.8
277 24.6 20.7 31.1





#88
Benzo(b)fluoranthene
Concen: 9.212 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.000 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

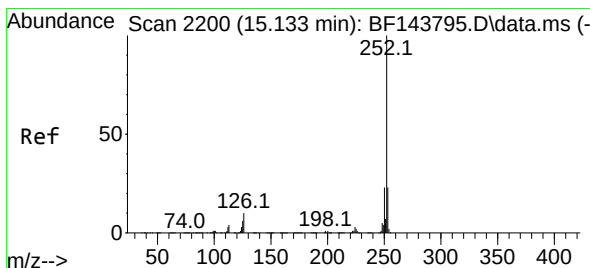
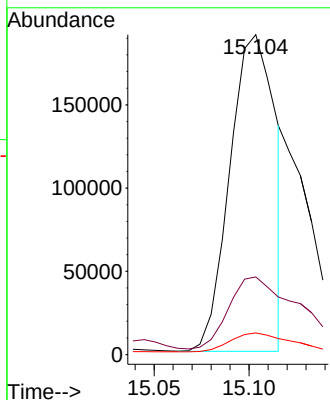
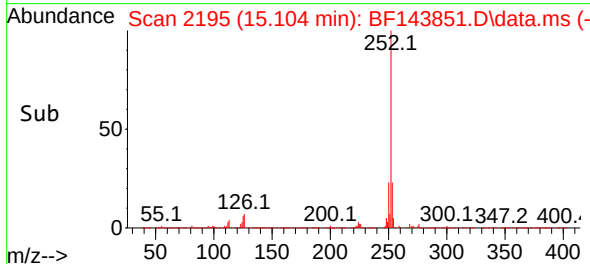
Instrument :
BNA_F
ClientSampleId :
OK-02-092925



Tgt Ion:252 Resp: 317186
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 6.8 4.4 6.6

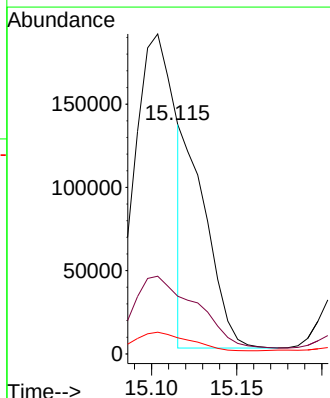
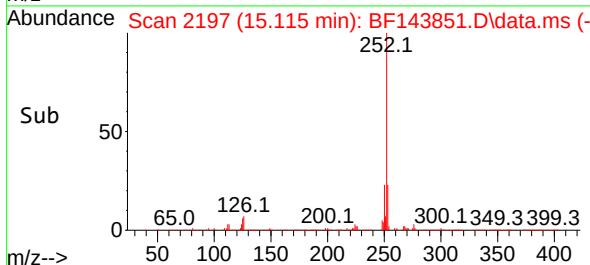
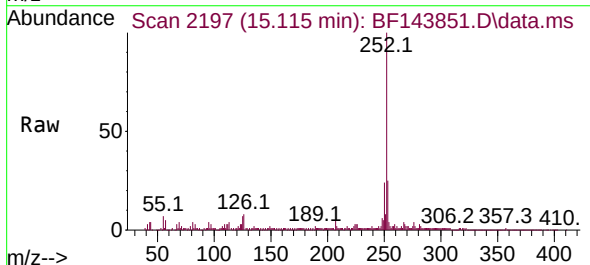
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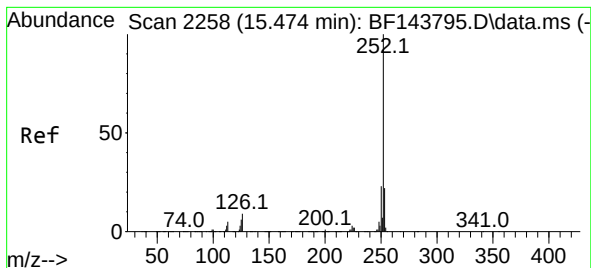
Reviewed By :Rahul Chavli 10/01/2025
Supervised By :Jagrut Upadhyay 10/01/2025



#89
Benzo(k)fluoranthene
Concen: 3.716 ng m
RT: 15.115 min Scan# 2197
Delta R.T. -0.024 min
Lab File: BF143851.D
Acq: 30 Sep 2025 23:59

Tgt Ion:252 Resp: 128529
Ion Ratio Lower Upper
252 100
253 25.2 17.9 26.9
125 7.0 4.6 6.8





#90

Benzo(a)pyrene

Concen: 7.070 ng

RT: 15.468 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

Instrument :

BNA_F

ClientSampleId :

OK-02-092925

Tgt Ion: 252 Resp: 22882

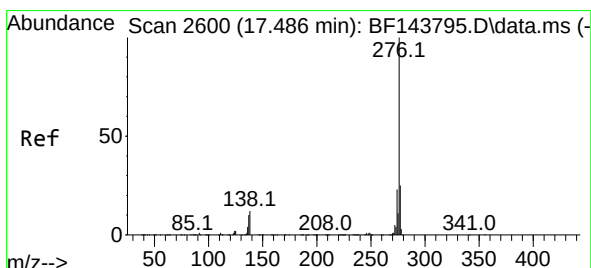
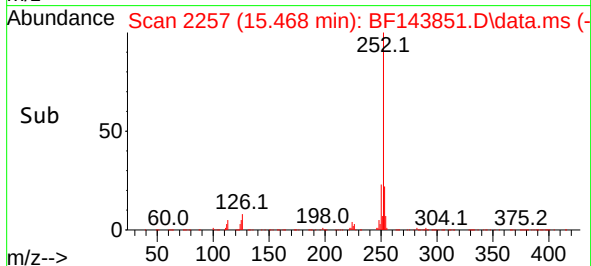
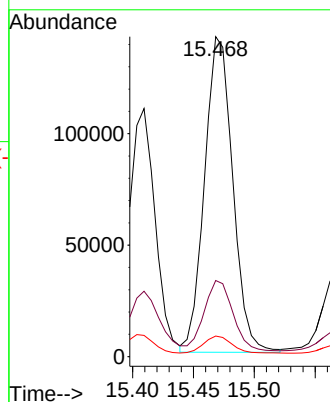
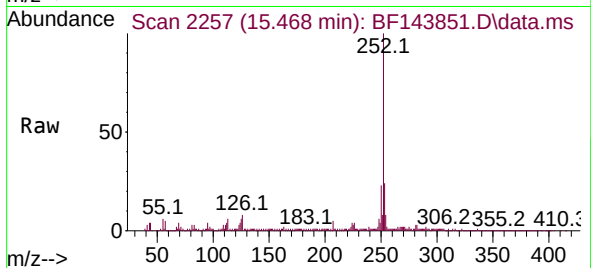
Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	6.4	5.0	7.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/01/2025

Supervised By :Jagrut Upadhyay 10/01/2025



#92

Benzo(g,h,i)perylene

Concen: 3.043 ng

RT: 17.474 min Scan# 2598

Delta R.T. -0.029 min

Lab File: BF143851.D

Acq: 30 Sep 2025 23:59

Tgt Ion: 276 Resp: 123089

Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.6	29.4
138	11.5	9.2	13.8

