

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
 Data File : BF143810.D
 Acq On : 25 Sep 2025 18:21
 Operator : RC/JU
 Sample : Q3183-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/26/2025
 Supervised By :Jagrut Upadhyay 09/26/2025

Quant Time: Sep 25 23:23:38 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	123678	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	417334	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	188274	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268966	20.000	ng	0.00
76) Chrysene-d12	14.051	240	423978	20.000	ng	-0.01
86) Perylene-d12	15.533	264	615205	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	496353	65.204	ng	0.00
7) Phenol-d6	6.498	99	588621	66.922	ng	-0.01
23) Nitrobenzene-d5	7.439	82	322792	47.345	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	172659	61.936	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	491404	40.730	ng	0.00
79) Terphenyl-d14	12.998	244	685580	32.886	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	87939	6.368	ng	99
75) Fluoranthene	12.627	202	120405	8.669	ng	98
78) Pyrene	12.851	202	115562	5.544	ng	98
81) Benzo(a)anthracene	14.045	228	76482	3.358	ng	99
83) Chrysene	14.080	228	58793	2.853	ng	98
84) Bis(2-ethylhexyl)phtha...	14.033	149	28307	2.678	ng	99
88) Benzo(b)fluoranthene	15.098	252	109800m	3.505	ng	
90) Benzo(a)pyrene	15.468	252	81409	2.764	ng	99

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

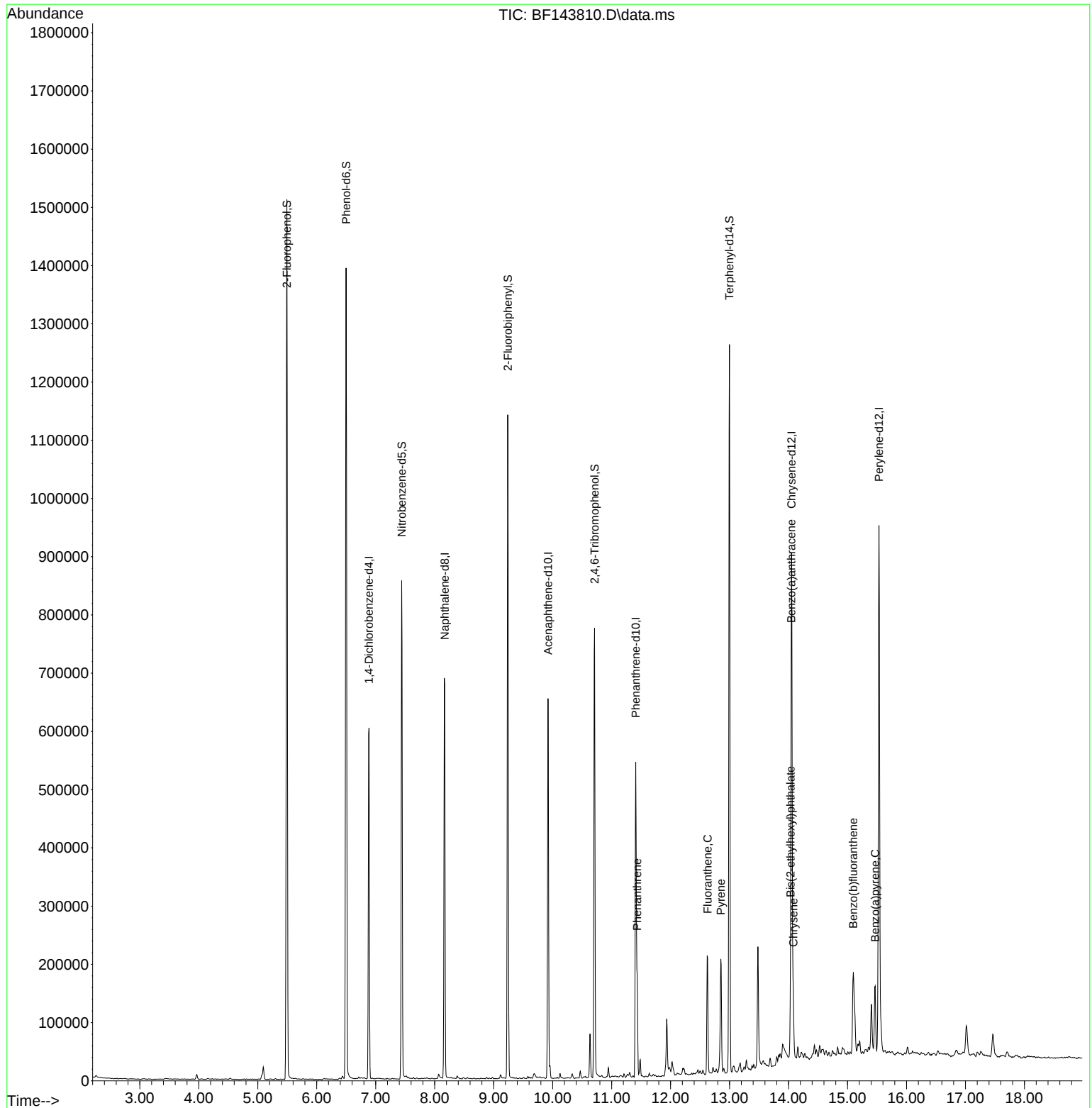
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092525\
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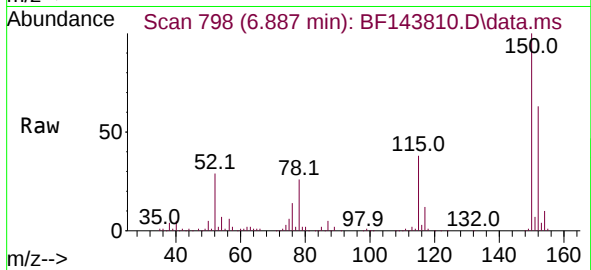
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 798
Delta R.T. -0.000 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

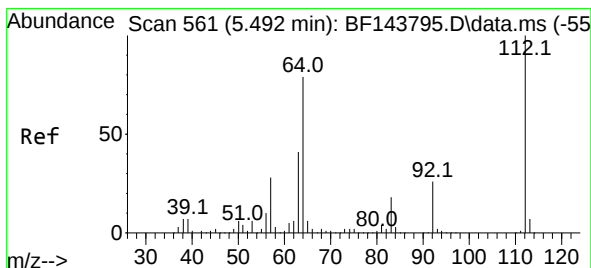
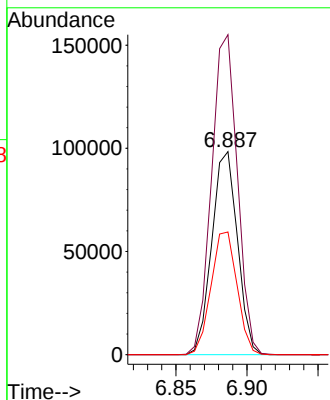
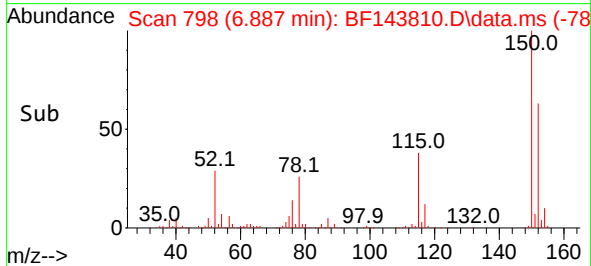
Instrument :
BNA_F
ClientSampleId :
WC-1



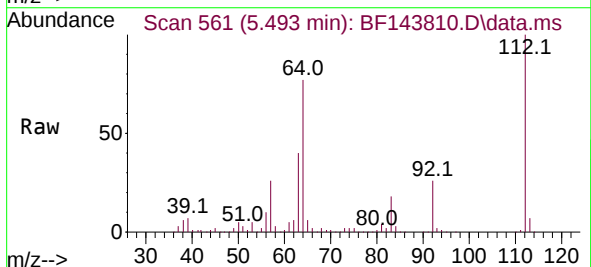
Tgt Ion:152 Resp: 123678
Ion Ratio Lower Upper
152 100
150 157.7 129.6 194.4
115 60.4 49.0 73.4

Manual Integrations
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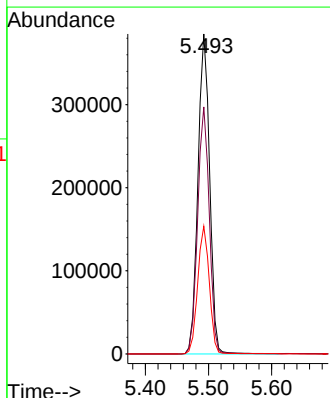
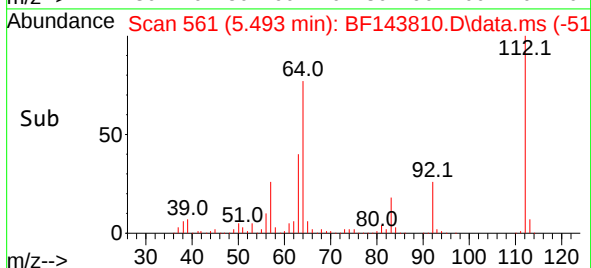
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#5
2-Fluorophenol
Concen: 65.204 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21



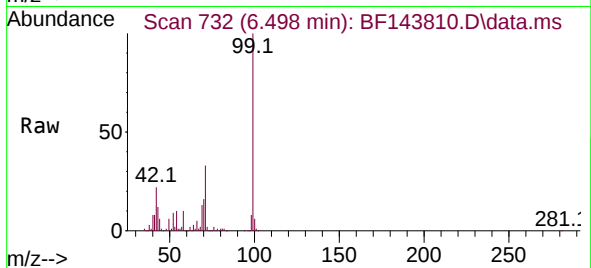
Tgt Ion:112 Resp: 496353
Ion Ratio Lower Upper
112 100
64 77.2 63.0 94.4
63 39.9 32.6 49.0





#7
Phenol-d6
Concen: 66.922 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

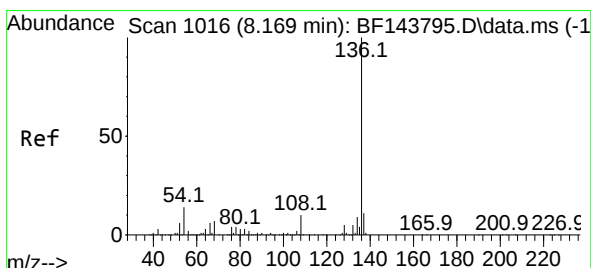
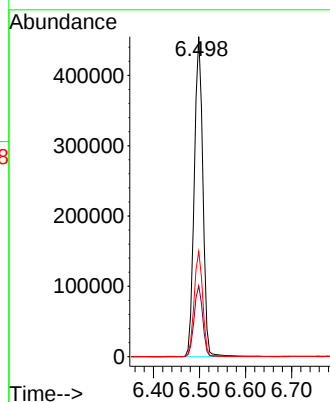
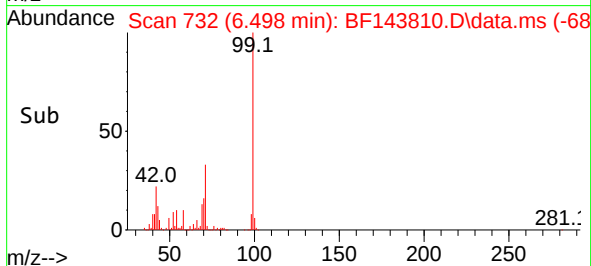
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion: 99 Resp: 588621
Ion Ratio Lower Upper
99 100
42 22.1 18.6 28.0
71 32.8 27.0 40.4

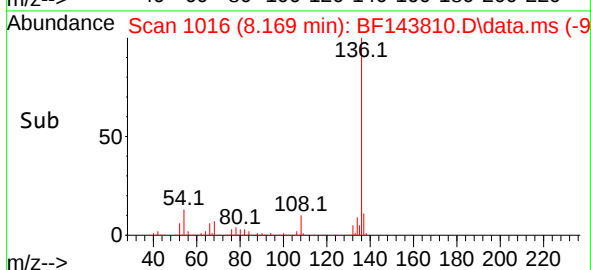
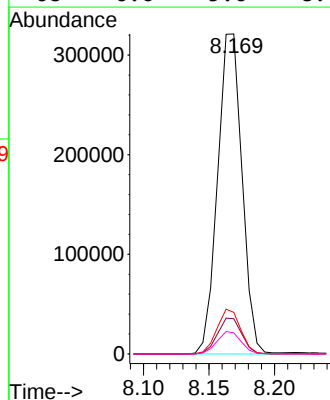
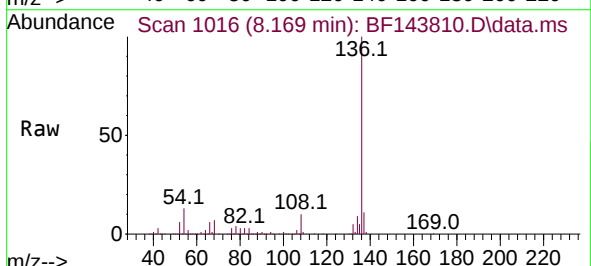
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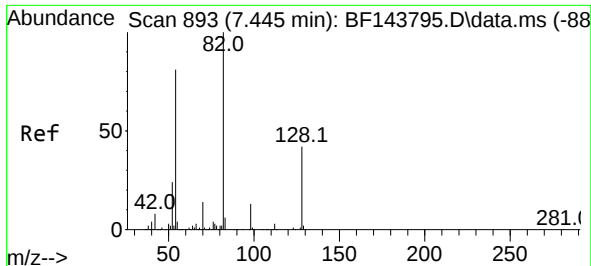
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.000 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion:136 Resp: 417334
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 13.0 11.2 16.8
68 6.6 5.6 8.4





#23

Nitrobenzene-d5

Concen: 47.345 ng

RT: 7.439 min Scan# 893

Delta R.T. -0.011 min

Lab File: BF143810.D

Acq: 25 Sep 2025 18:21

Instrument :

BNA_F

ClientSampleId :

WC-1

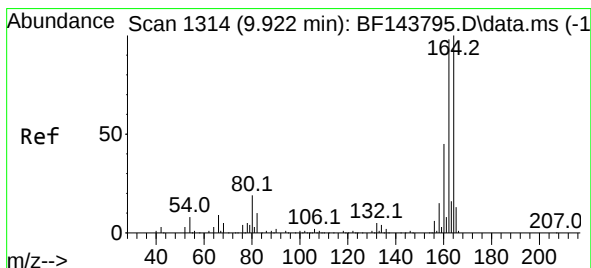
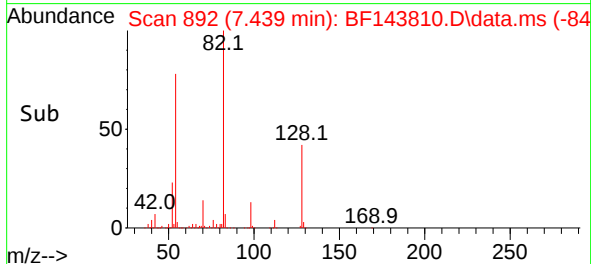
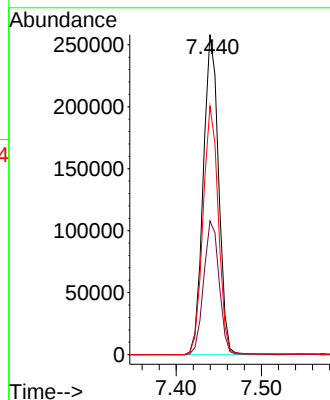
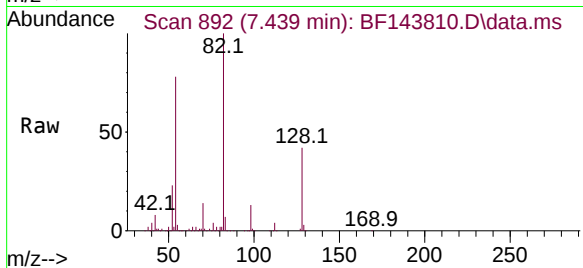
Tgt Ion: 82 Resp: 322792
 Ion Ratio Lower Upper
 82 100
 128 41.7 33.3 49.9
 54 77.6 64.2 96.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/26/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

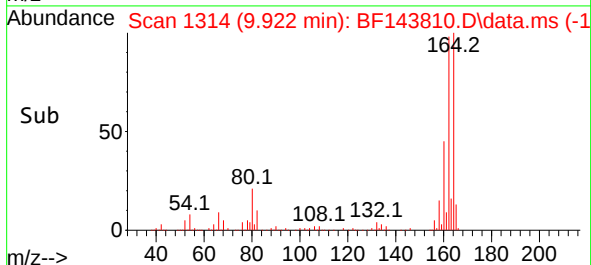
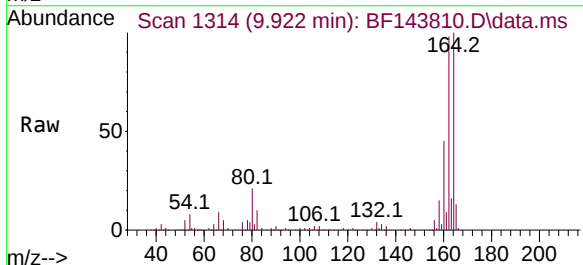
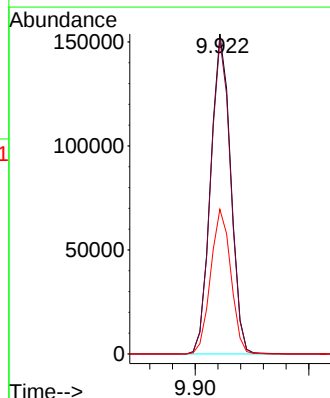
RT: 9.922 min Scan# 1314

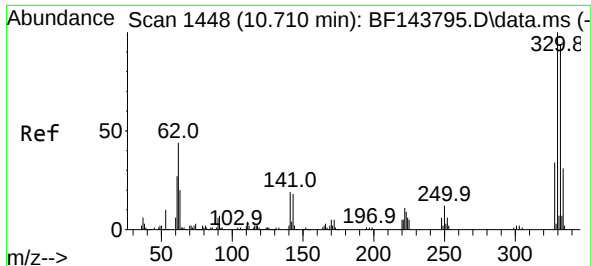
Delta R.T. -0.006 min

Lab File: BF143810.D

Acq: 25 Sep 2025 18:21

Tgt Ion:164 Resp: 188274
 Ion Ratio Lower Upper
 164 100
 162 98.2 78.8 118.2
 160 45.2 35.8 53.6





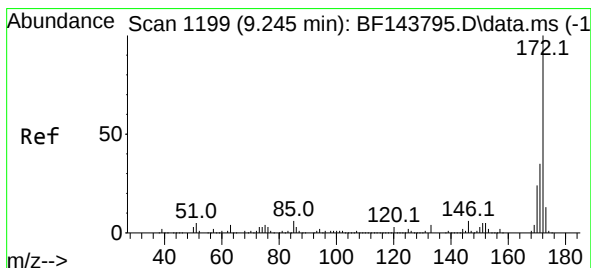
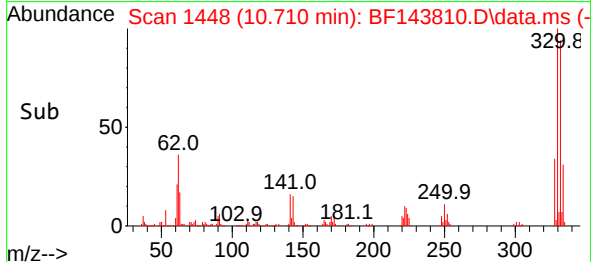
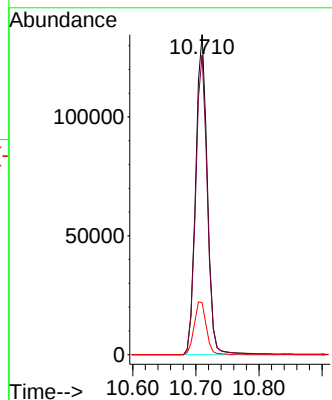
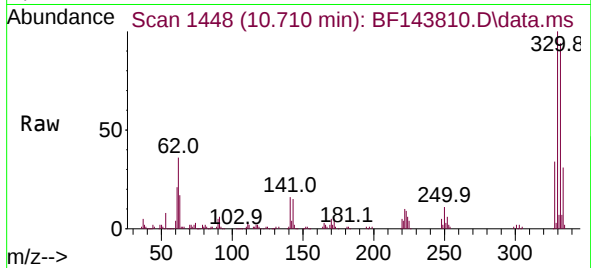
#42
2,4,6-Tribromophenol
Concen: 61.936 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Instrument :
BNA_F
ClientSampleId :
WC-1

Tgt Ion: 330 Resp: 172659
Ion Ratio Lower Upper
330 100
332 94.0 74.7 112.1
141 17.0 14.3 21.5

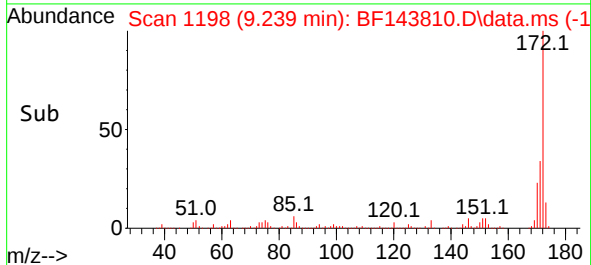
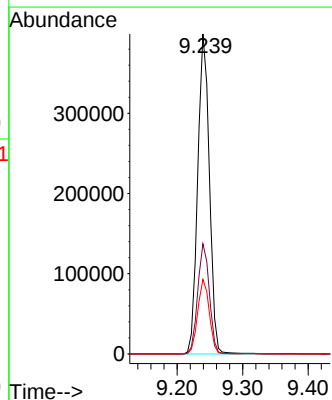
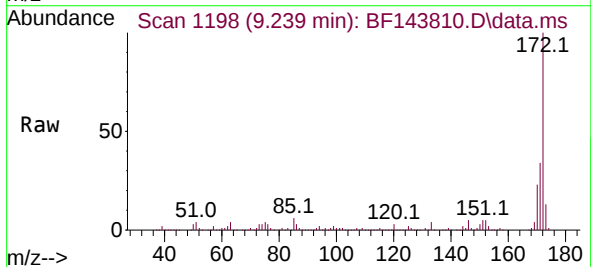
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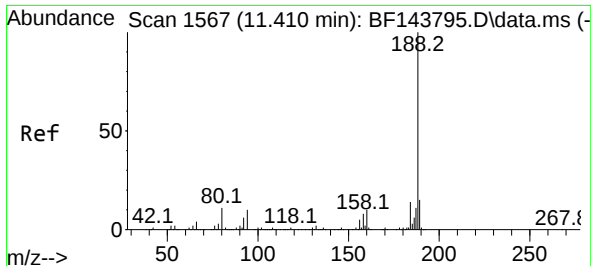
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#45
2-Fluorobiphenyl
Concen: 40.730 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

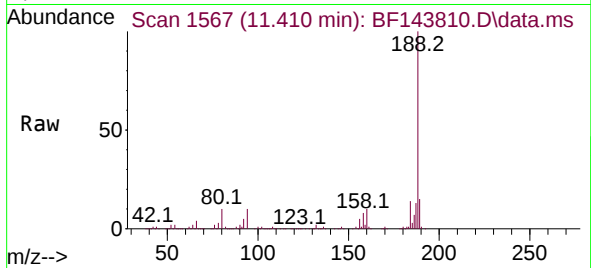
Tgt Ion: 172 Resp: 491404
Ion Ratio Lower Upper
172 100
171 34.4 27.9 41.9
170 23.3 19.1 28.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

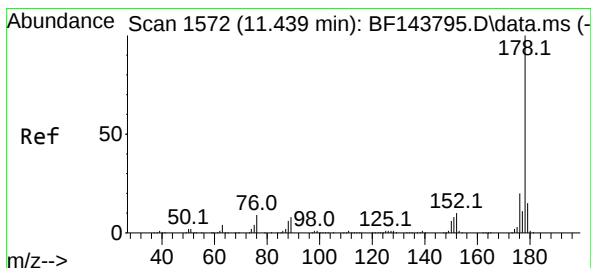
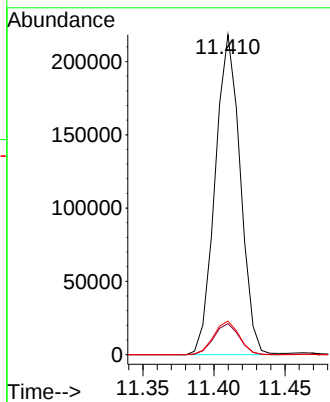
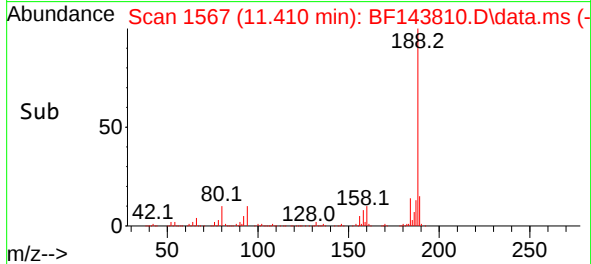
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:188 Resp: 268966
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.2
80 10.5 8.6 12.8

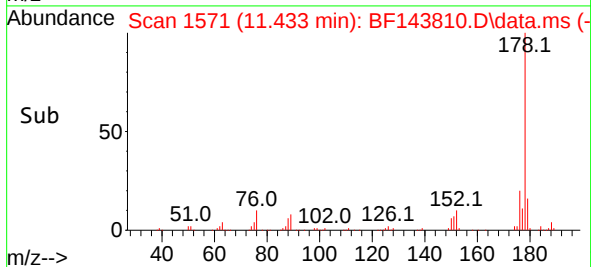
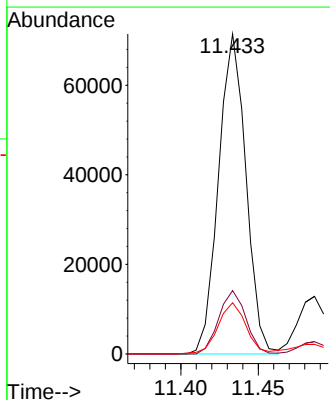
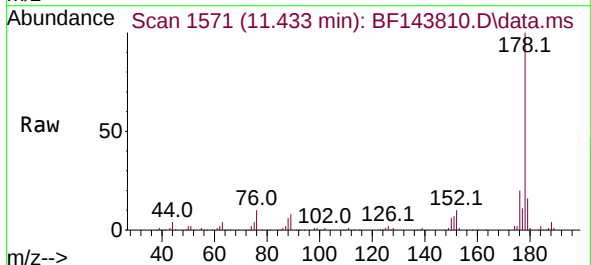
Manual Integrations
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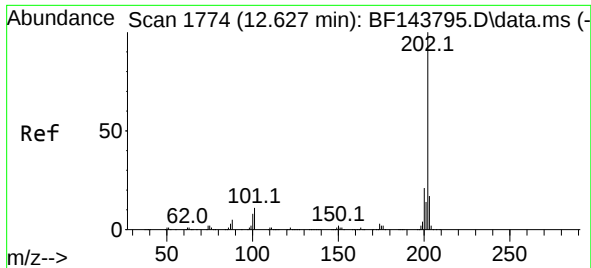
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#71
Phenanthrene
Concen: 6.368 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

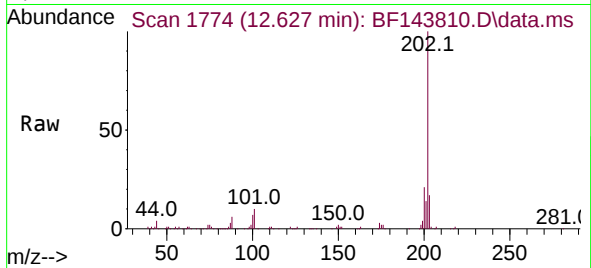
Tgt Ion:178 Resp: 87939
Ion Ratio Lower Upper
178 100
176 19.8 15.6 23.4
179 16.0 12.2 18.4





#75
Fluoranthene
Concen: 8.669 ng
RT: 12.627 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

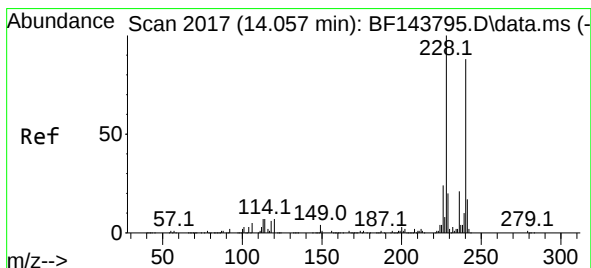
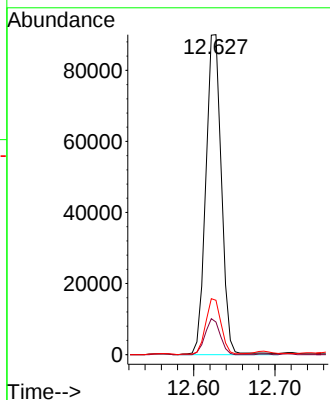
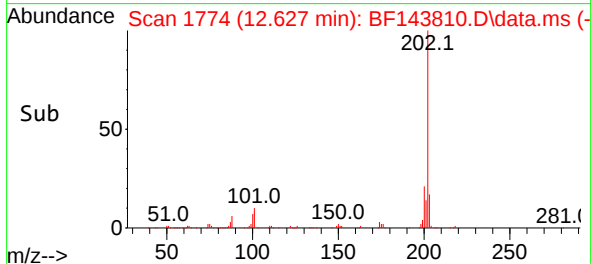
Instrument :
BNA_F
ClientSampleId :
WC-1



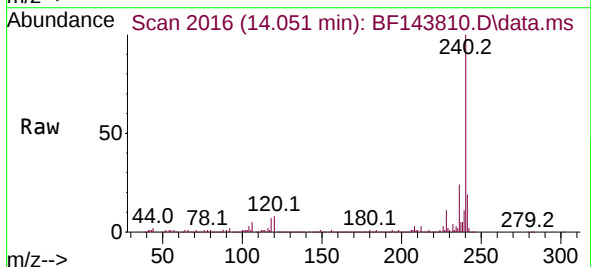
Tgt Ion:202 Resp: 120405
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.1
203 17.0 0.0 37.4

Manual Integrations
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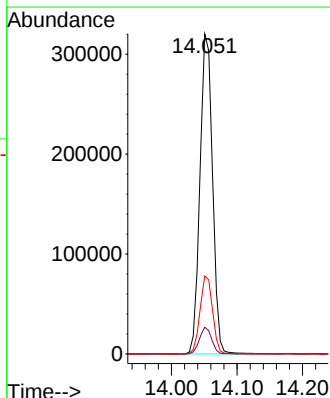
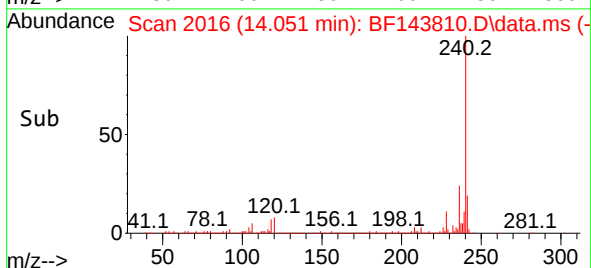
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

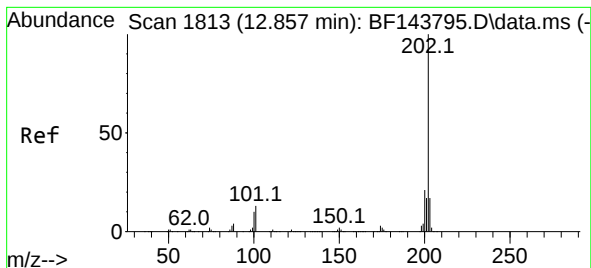


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21



Tgt Ion:240 Resp: 423978
Ion Ratio Lower Upper
240 100
120 8.3 6.2 9.4
236 24.3 19.4 29.2





#78

Pyrene

Concen: 5.544 ng

RT: 12.851 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143810.D

Acq: 25 Sep 2025 18:21

Instrument :

BNA_F

ClientSampleId :

WC-1

Tgt Ion:202 Resp: 115562

Ion Ratio Lower Upper

202 100

200 20.8 17.0 25.4

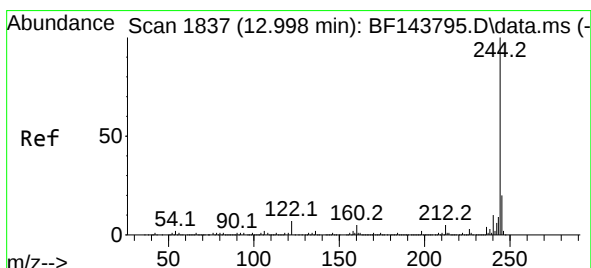
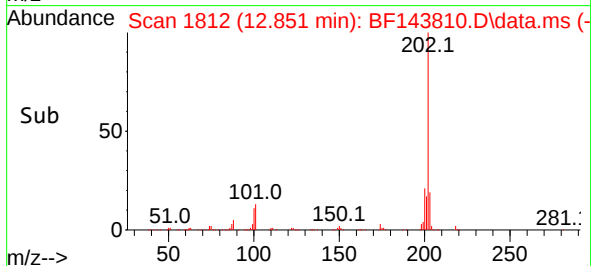
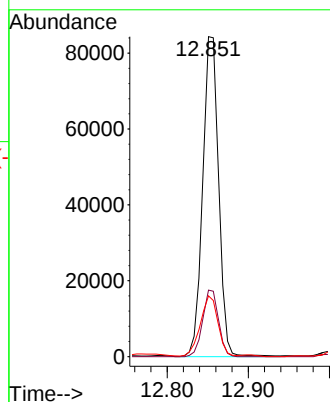
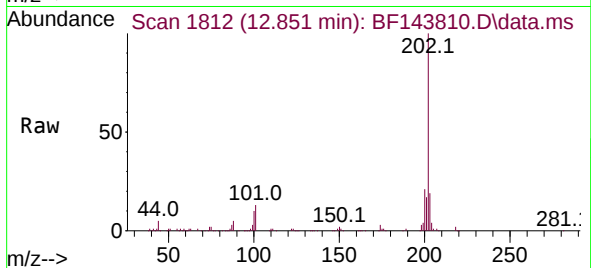
203 19.0 13.9 20.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/26/2025

Supervised By :Jagrut Upadhyay 09/26/2025



#79

Terphenyl-d14

Concen: 32.886 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.006 min

Lab File: BF143810.D

Acq: 25 Sep 2025 18:21

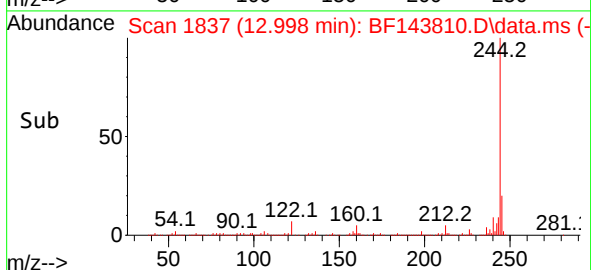
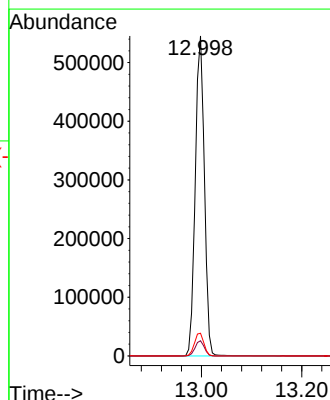
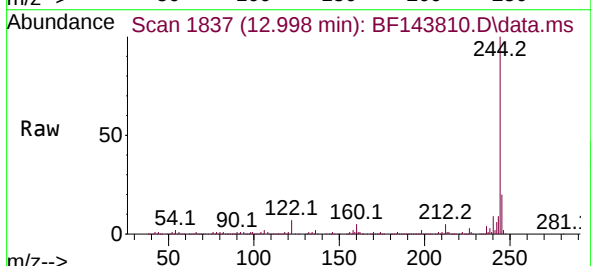
Tgt Ion:244 Resp: 685580

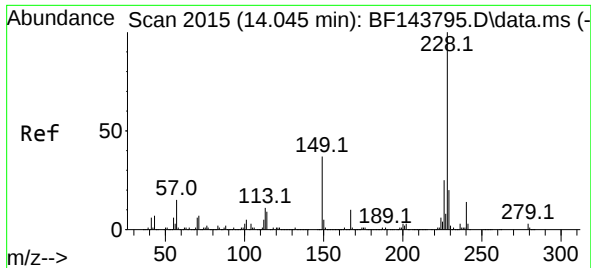
Ion Ratio Lower Upper

244 100

212 4.7 3.9 5.9

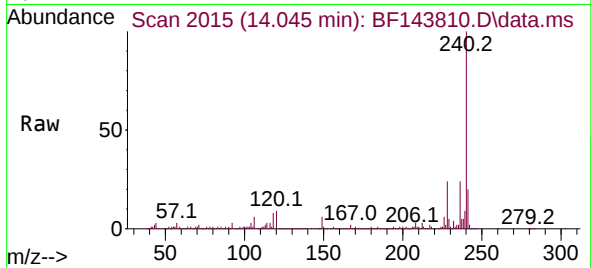
122 7.1 5.6 8.4





#81
Benzo(a)anthracene
Concen: 3.358 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

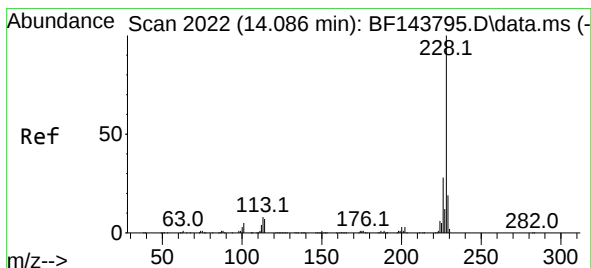
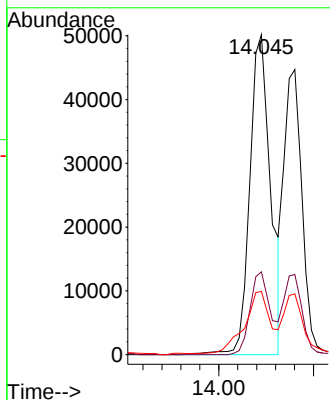
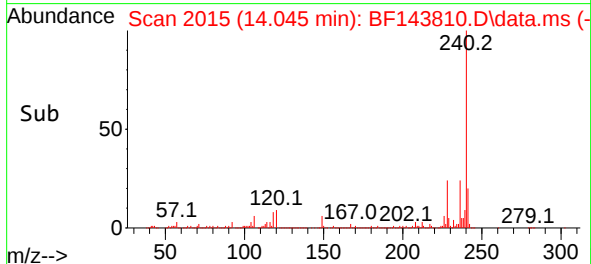
Instrument :
BNA_F
ClientSampleId :
WC-1



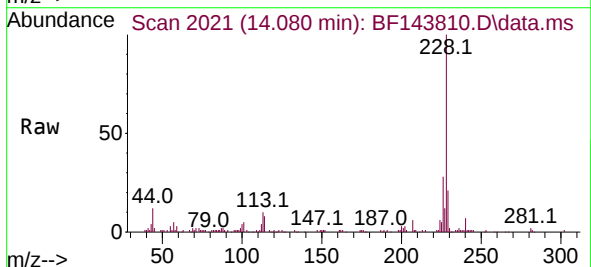
Tgt Ion:228 Resp: 76482
Ion Ratio Lower Upper
228 100
226 25.9 20.2 30.2
229 19.7 16.1 24.1

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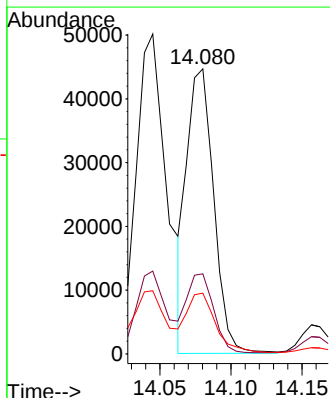
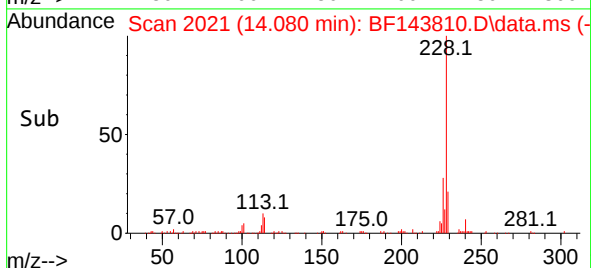
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025

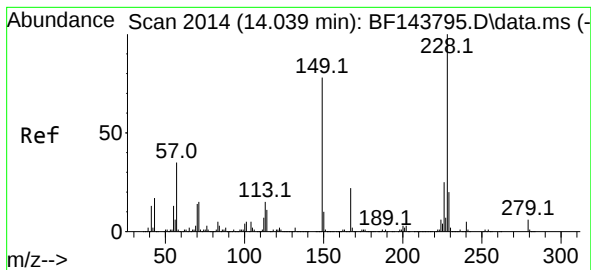


#83
Chrysene
Concen: 2.853 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21



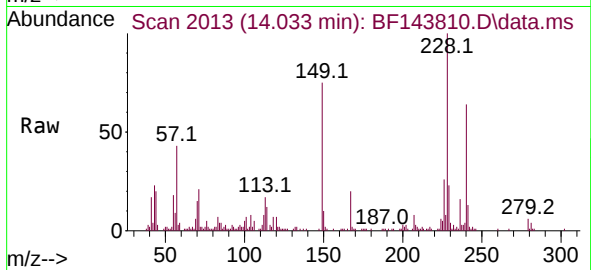
Tgt Ion:228 Resp: 58793
Ion Ratio Lower Upper
228 100
226 28.1 22.6 33.8
229 21.3 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.678 ng
RT: 14.033 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

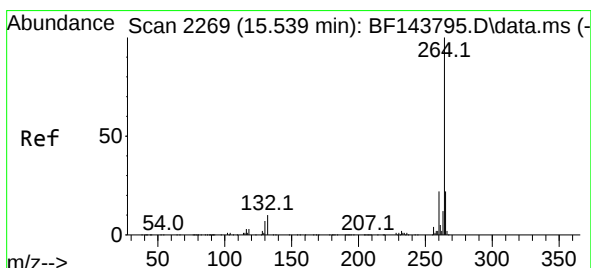
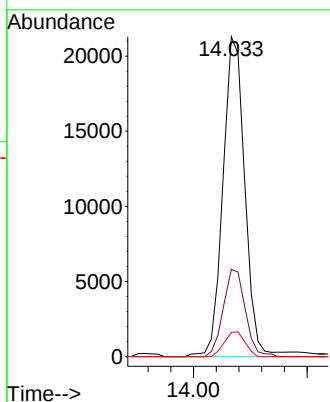
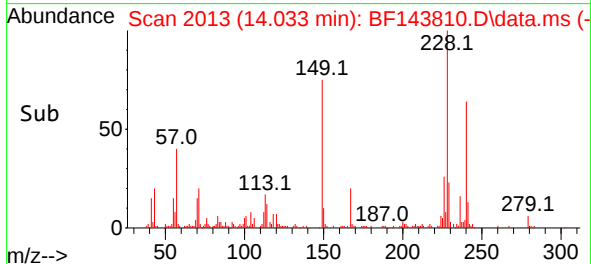
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:149 Resp: 28307
Ion Ratio Lower Upper
149 100
167 27.2 22.2 33.2
279 7.6 6.0 9.0

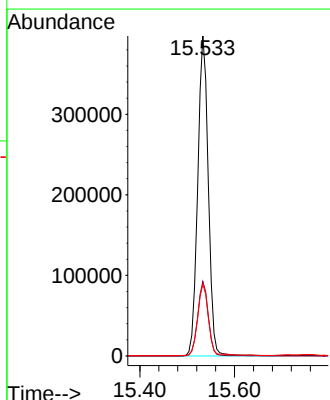
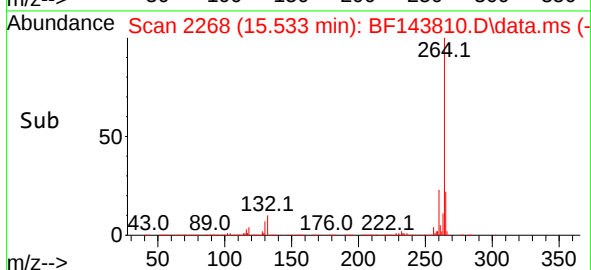
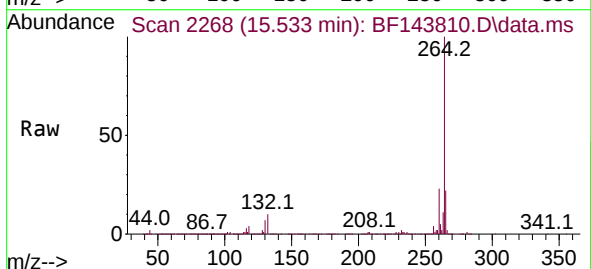
Manual Integrations
APPROVED

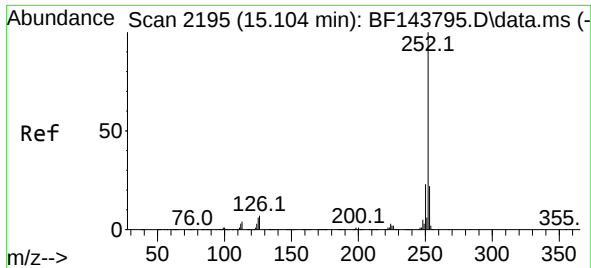
Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

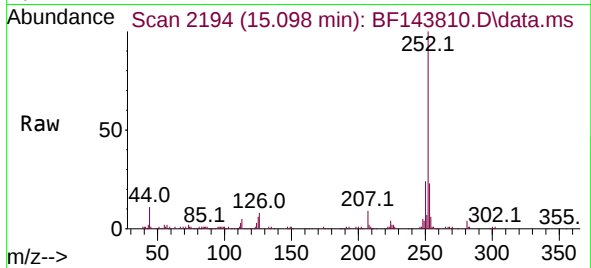
Tgt Ion:264 Resp: 615205
Ion Ratio Lower Upper
264 100
260 23.3 17.9 26.9
265 22.4 17.7 26.5





#88
Benzo(b)fluoranthene
Concen: 3.505 ng m
RT: 15.098 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

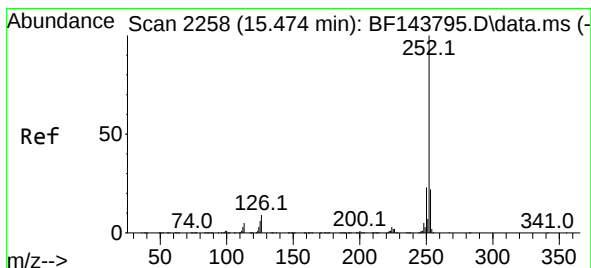
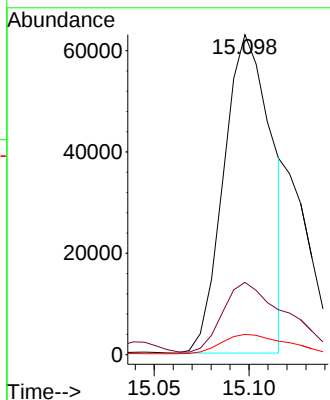
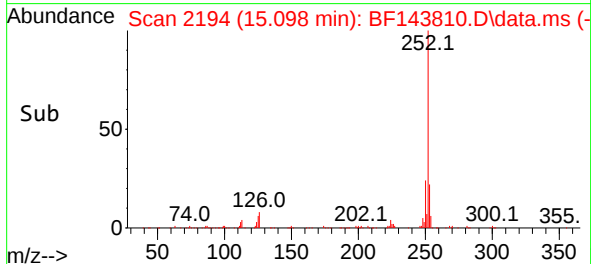
Instrument :
BNA_F
ClientSampleId :
WC-1



Tgt Ion:252 Resp: 109800
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 6.3 4.4 6.6

Manual Integrations
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Reviewed By :Rahul Chavli 09/26/2025
Supervised By :Jagrut Upadhyay 09/26/2025



#90
Benzo(a)pyrene
Concen: 2.764 ng
RT: 15.468 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF143810.D
Acq: 25 Sep 2025 18:21

Tgt Ion:252 Resp: 81409
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 6.4 5.0 7.4

