

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
 Data File : BF143867.D
 Acq On : 02 Oct 2025 21:06
 Operator : RC/JU
 Sample : Q3262-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0280

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/03/2025
 Supervised By :Jagrut Upadhyay 10/03/2025

Quant Time: Oct 03 01:29:21 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	6.881	152	122370	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	449131	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	230198	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	331659	20.000	ng	0.00
76) Chrysene-d12	14.057	240	305758	20.000	ng	0.00
86) Perylene-d12	15.545	264	440001	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	447855	59.461	ng	0.00
7) Phenol-d6	6.498	99	532075	61.140	ng	-0.01
23) Nitrobenzene-d5	7.440	82	319432	43.535	ng	-0.01
42) 2,4,6-Tribromophenol	10.710	330	128153	37.599	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	640616	43.427	ng	0.00
79) Terphenyl-d14	12.998	244	567145	37.724	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	45394	2.666	ng	97
75) Fluoranthene	12.628	202	93719	5.472	ng	96
78) Pyrene	12.857	202	68409m	4.551	ng	
83) Chrysene	14.080	228	38328	2.579	ng	# 94
88) Benzo(b)fluoranthene	15.110	252	56897m	2.539	ng	

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

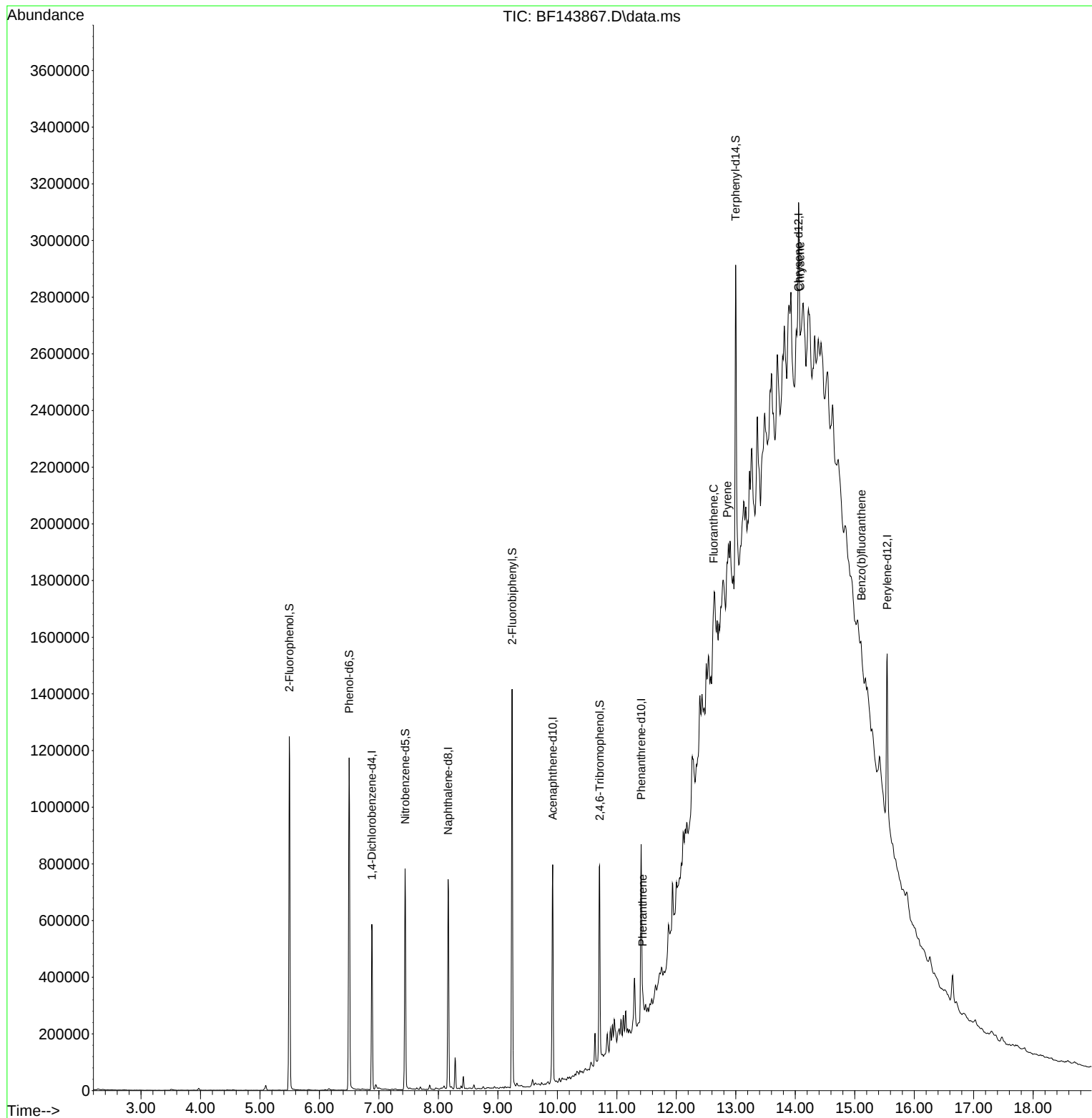
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100225\
Data File : BF143867.D
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APPROVED

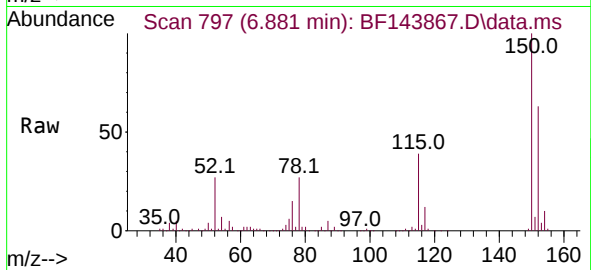
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 798
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

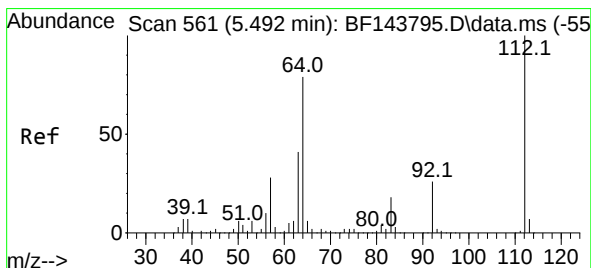
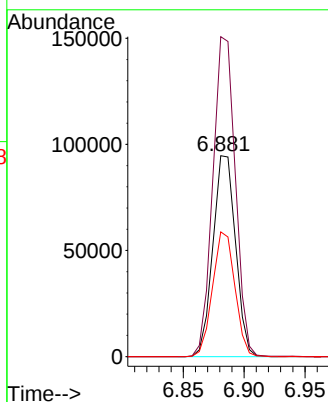
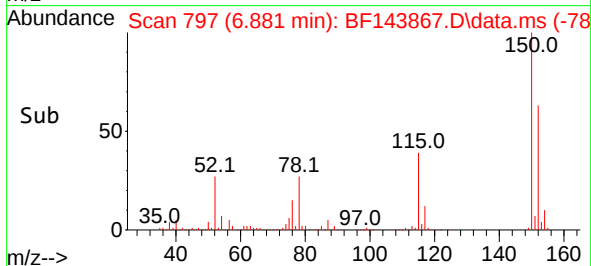
Instrument :
BNA_F
ClientSampleId :
MOO-25-0280



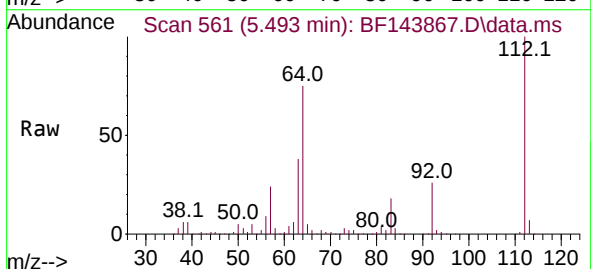
Tgt Ion:152 Resp: 122376
Ion Ratio Lower Upper
152 100
150 159.3 129.6 194.4
115 62.1 49.0 73.4

Manual Integrations
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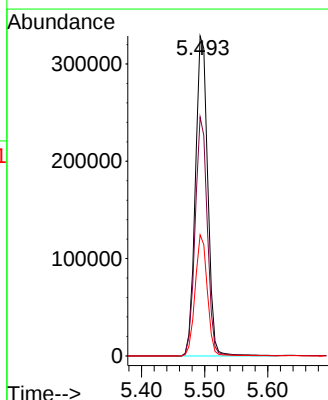
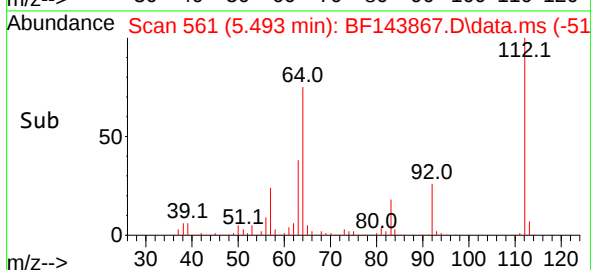
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#5
2-Fluorophenol
Concen: 59.461 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.005 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06



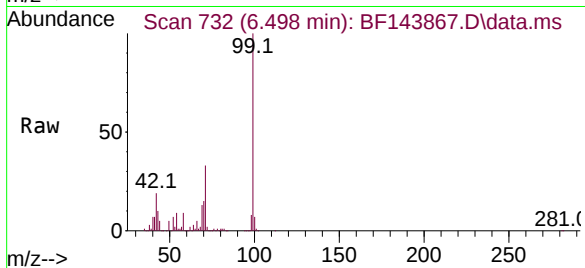
Tgt Ion:112 Resp: 447855
Ion Ratio Lower Upper
112 100
64 74.7 63.0 94.4
63 37.8 32.6 49.0





#7
Phenol-d6
Concen: 61.140 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.011 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

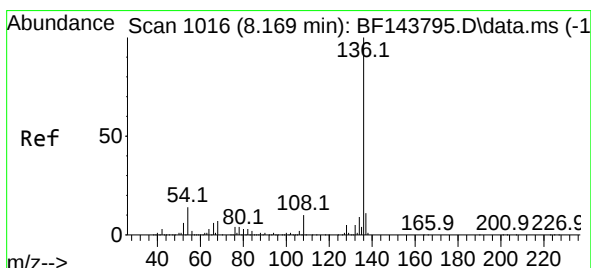
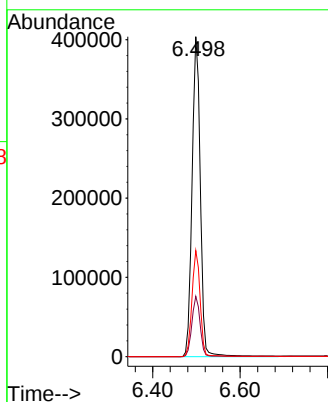
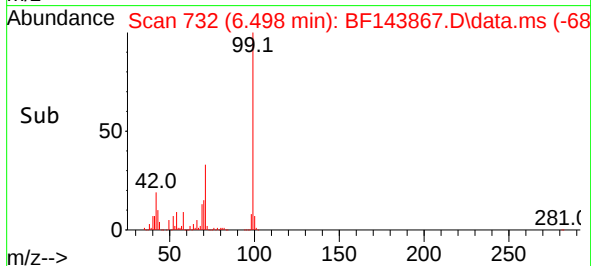
Instrument :
BNA_F
ClientSampleId :
MOO-25-0280



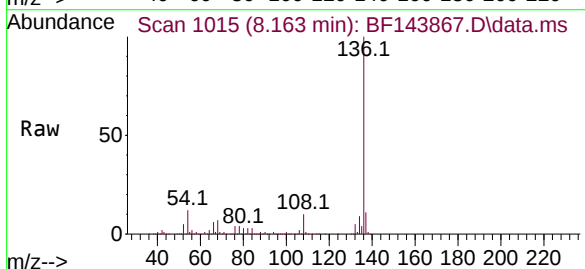
Tgt Ion: 99 Resp: 532075
Ion Ratio Lower Upper
99 100
42 18.8 18.6 28.0
71 33.1 27.0 40.4

Manual Integrations
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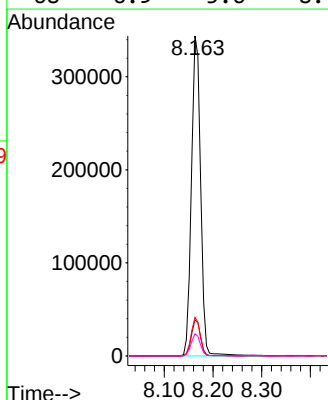
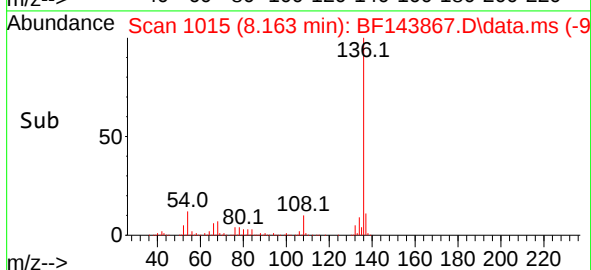
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025

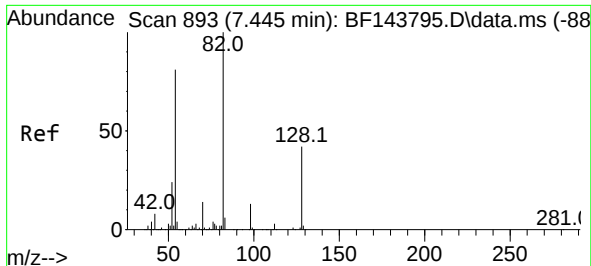


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06



Tgt Ion:136 Resp: 449131
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 12.0 11.2 16.8
68 6.9 5.6 8.4





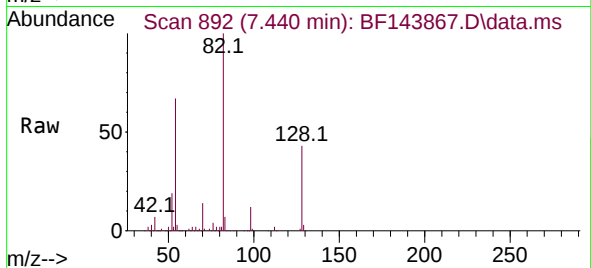
#23
Nitrobenzene-d5
Concen: 43.535 ng
RT: 7.440 min Scan# 893
Delta R.T. -0.011 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0280

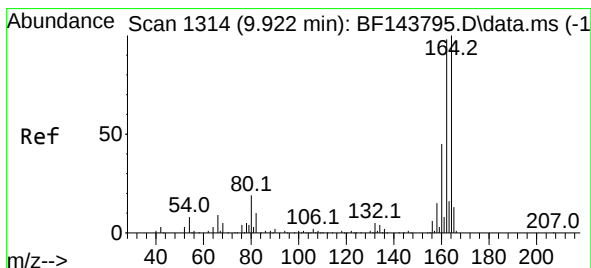
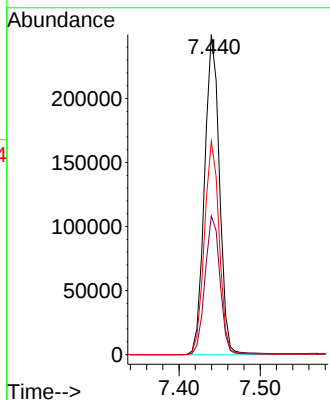
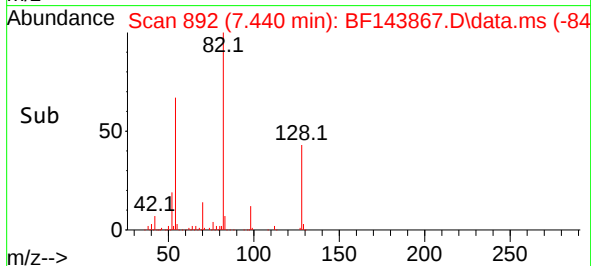


Tgt Ion: 82 Resp: 319432
Ion Ratio Lower Upper
82 100
128 43.3 33.3 49.9
54 66.7 64.2 96.4

Manual Integrations

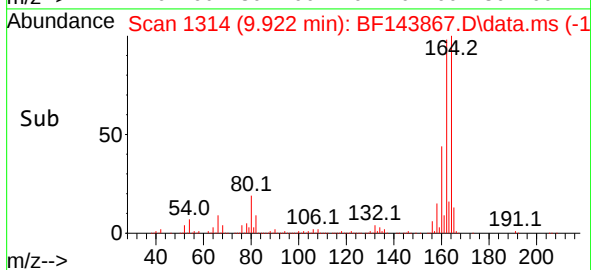
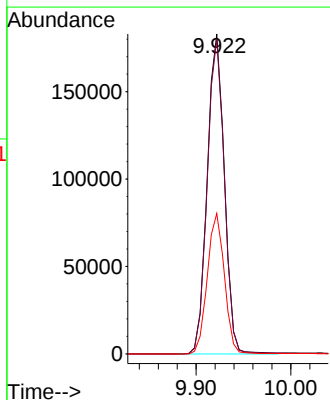
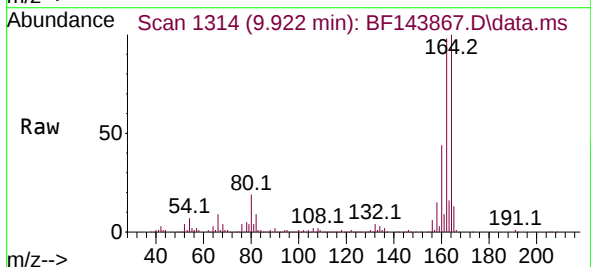
APPROVED

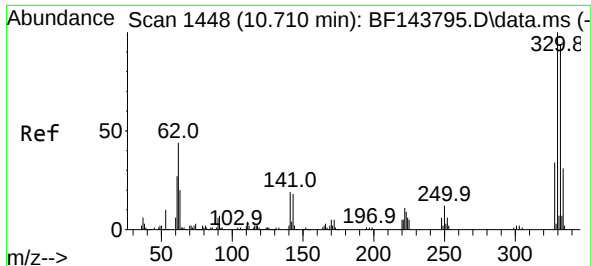
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion:164 Resp: 230198
Ion Ratio Lower Upper
164 100
162 98.4 78.8 118.2
160 43.9 35.8 53.6





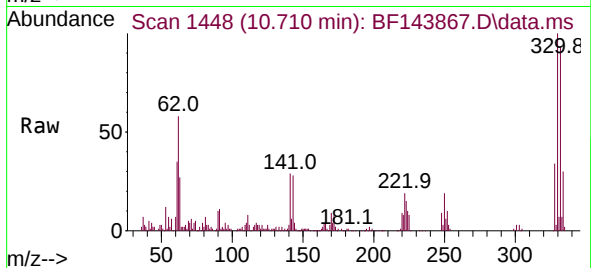
#42
 2,4,6-Tribromophenol
 Concen: 37.599 ng
 RT: 10.710 min Scan# 1448
 Delta R.T. -0.006 min
 Lab File: BF143867.D
 Acq: 02 Oct 2025 21:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0280



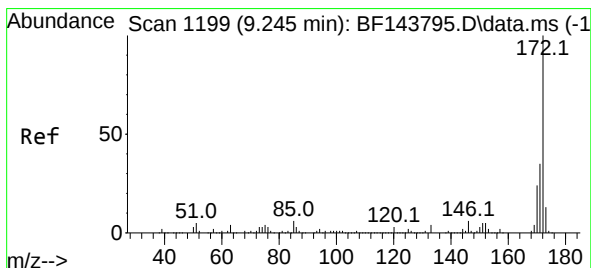
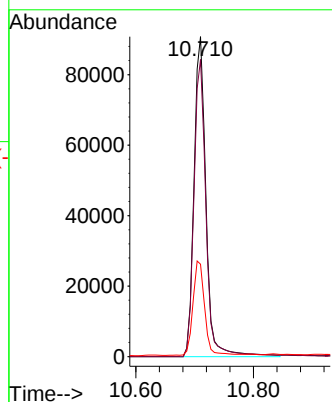
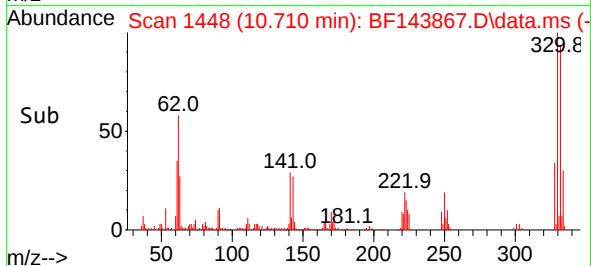
Tgt Ion: 330 Resp: 12815
 Ion Ratio Lower Upper
 330 100
 332 93.4 74.7 112.1
 141 28.7 14.3 21.5

Manual Integrations

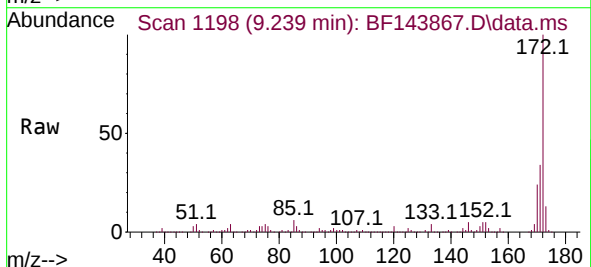
APPROVED

Reviewed By :Rahul Chavli 10/03/2025

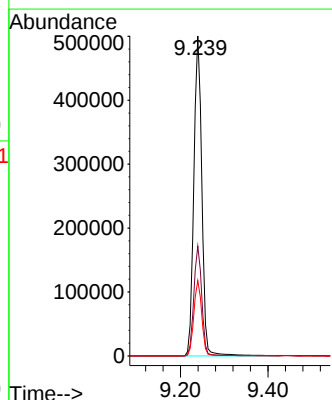
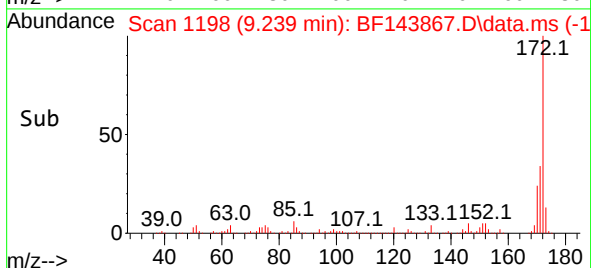
Supervised By :Jagrut Upadhyay 10/03/2025

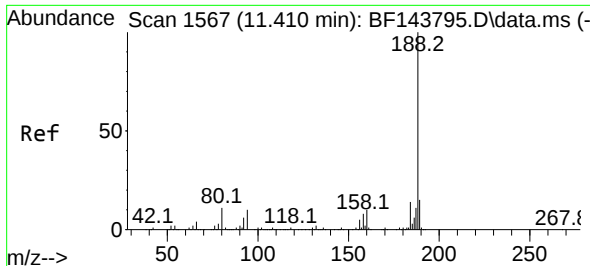


#45
 2-Fluorobiphenyl
 Concen: 43.427 ng
 RT: 9.239 min Scan# 1198
 Delta R.T. -0.005 min
 Lab File: BF143867.D
 Acq: 02 Oct 2025 21:06



Tgt Ion: 172 Resp: 640616
 Ion Ratio Lower Upper
 172 100
 171 34.3 27.9 41.9
 170 23.5 19.1 28.7





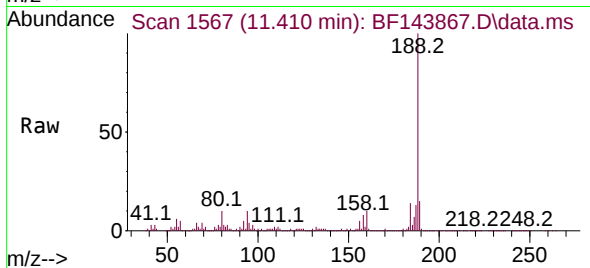
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0280



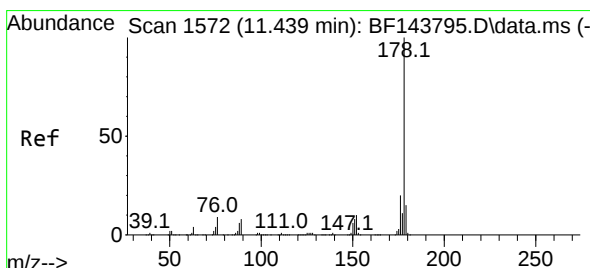
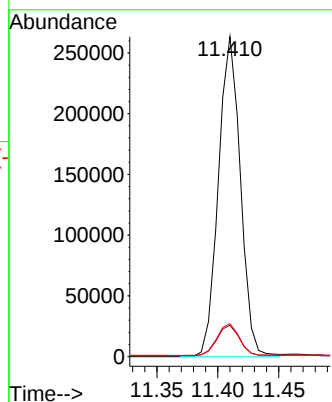
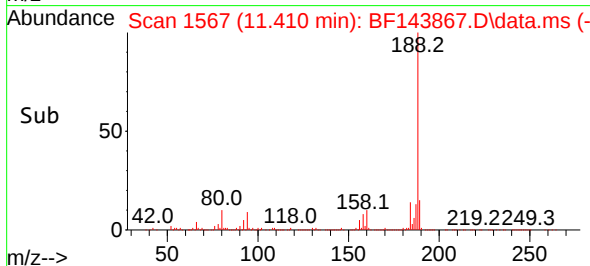
Tgt Ion:188 Resp: 331659
Ion Ratio Lower Upper
188 100
94 9.8 8.2 12.2
80 10.3 8.6 12.8

Manual Integrations

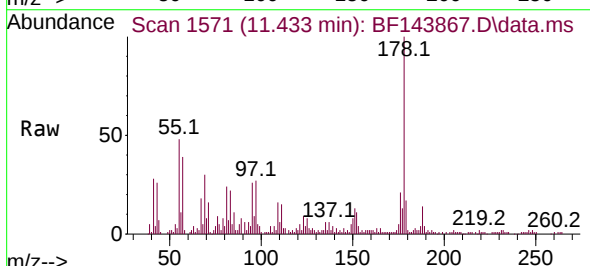
APPROVED

Reviewed By :Rahul Chavli 10/03/2025

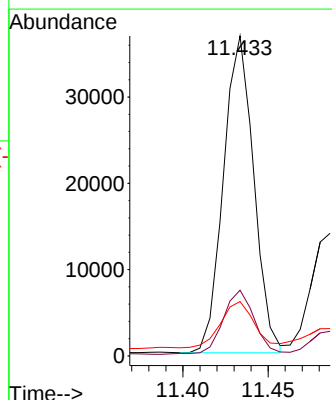
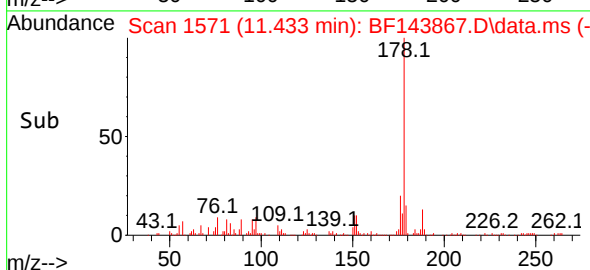
Supervised By :Jagrut Upadhyay 10/03/2025

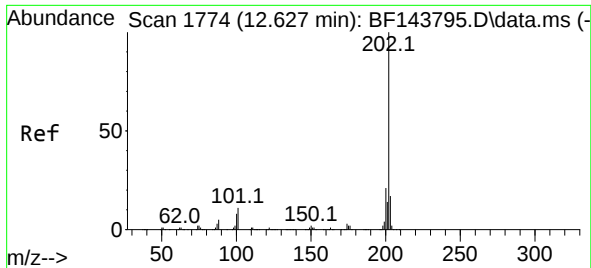


#71
Phenanthrene
Concen: 2.666 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06



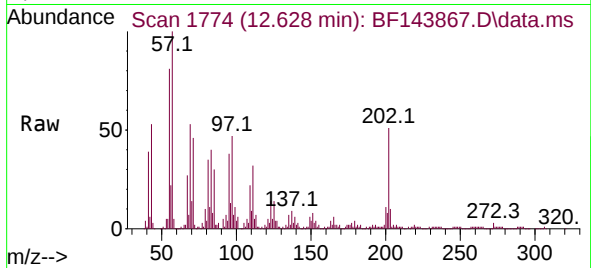
Tgt Ion:178 Resp: 45394
Ion Ratio Lower Upper
178 100
176 20.5 15.6 23.4
179 17.0 12.2 18.4





#75
Fluoranthene
Concen: 5.472 ng
RT: 12.628 min Scan# 1774
Delta R.T. 0.000 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

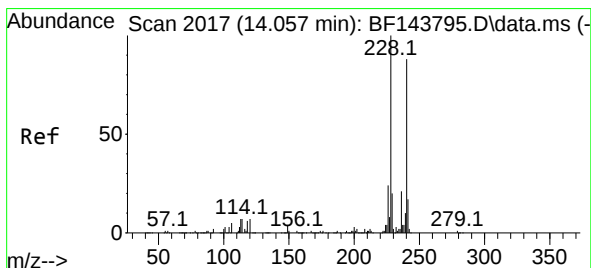
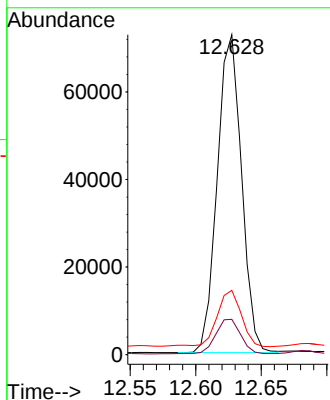
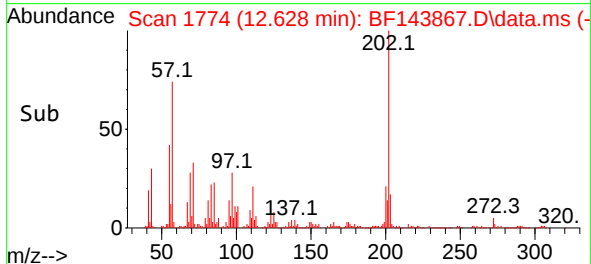
Instrument :
BNA_F
ClientSampleId :
MOO-25-0280



Tgt Ion:202 Resp: 93719
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.1
203 20.1 0.0 37.4

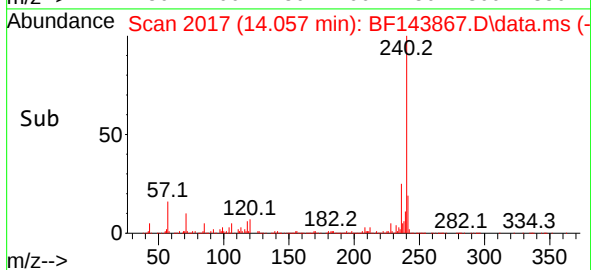
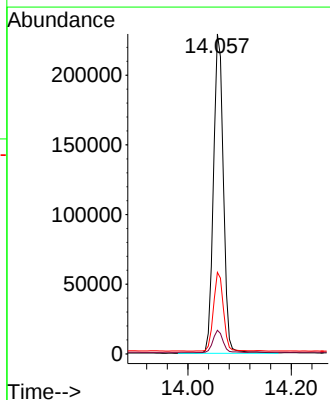
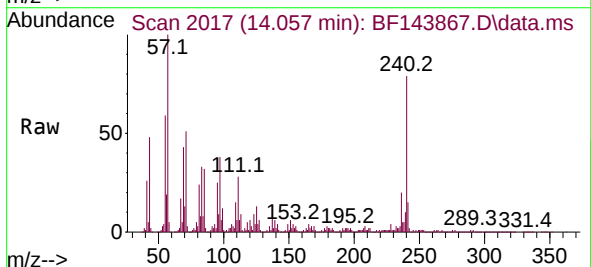
Manual Integrations
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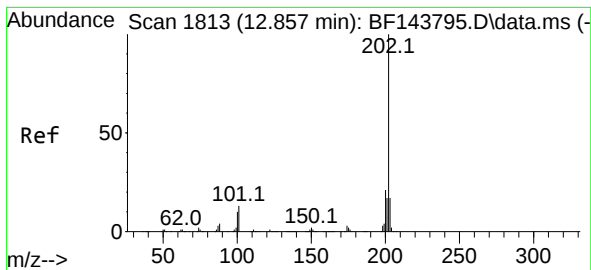
Reviewed By :Rahul Chavli 10/03/2025
Supervised By :Jagrut Upadhyay 10/03/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion:240 Resp: 305758
Ion Ratio Lower Upper
240 100
120 7.4 6.2 9.4
236 25.5 19.4 29.2





#78

Pyrene

Concen: 4.551 ng m

RT: 12.857 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF143867.D

Acq: 02 Oct 2025 21:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0280

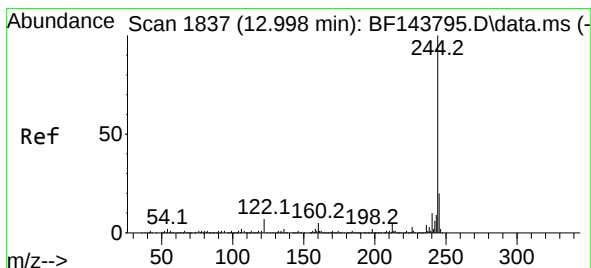
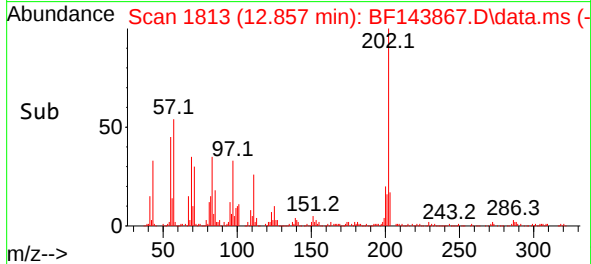
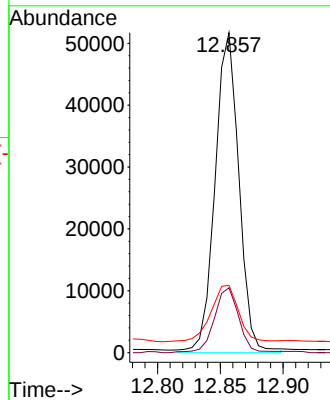
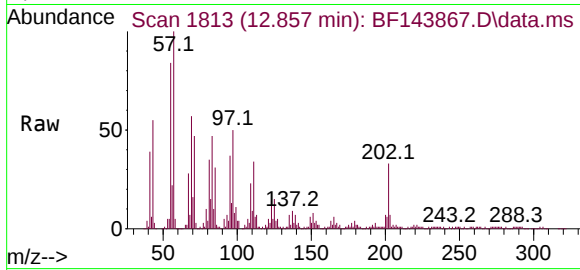
Tgt Ion:	202	Resp:	68409
Ion Ratio	Lower	Upper	
202	100		
200	20.3	17.0	25.4
203	21.0	13.9	20.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025



#79

Terphenyl-d14

Concen: 37.724 ng

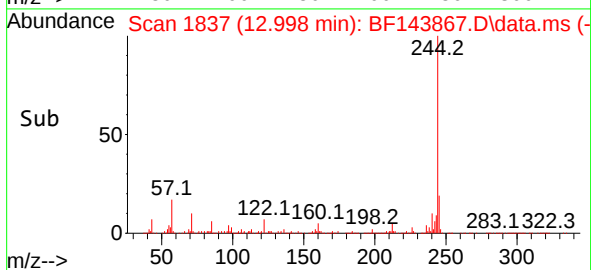
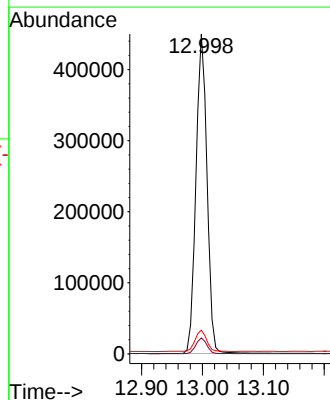
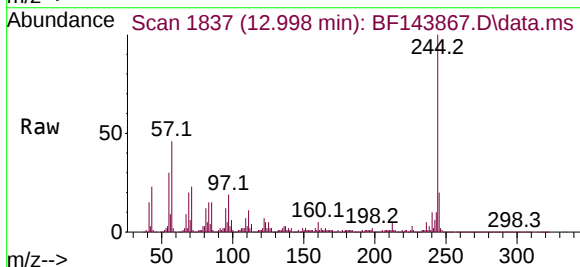
RT: 12.998 min Scan# 1837

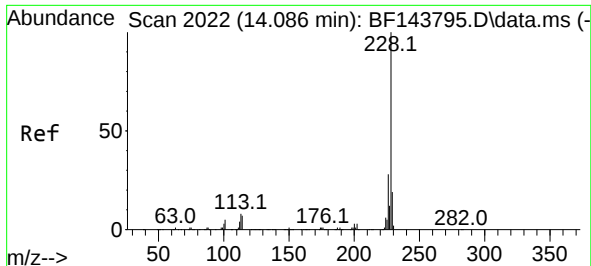
Delta R.T. -0.006 min

Lab File: BF143867.D

Acq: 02 Oct 2025 21:06

Tgt Ion:	244	Resp:	567145
Ion Ratio	Lower	Upper	
244	100		
212	5.0	3.9	5.9
122	7.4	5.6	8.4





#83
Chrysene
Concen: 2.579 ng
RT: 14.080 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0280

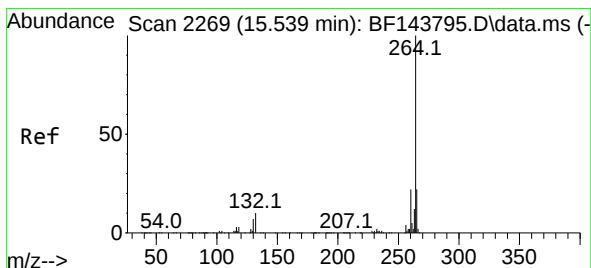
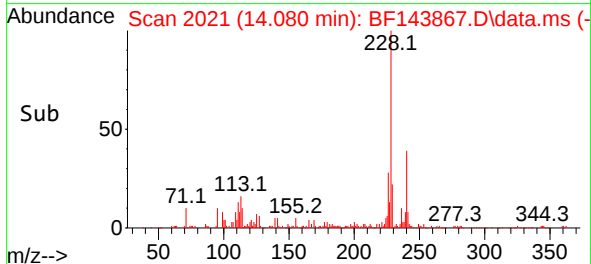
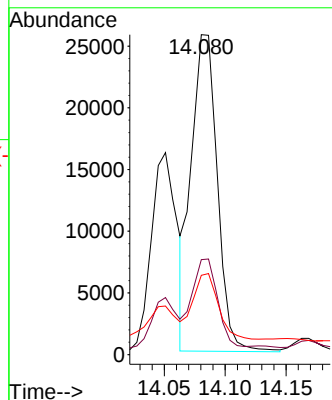
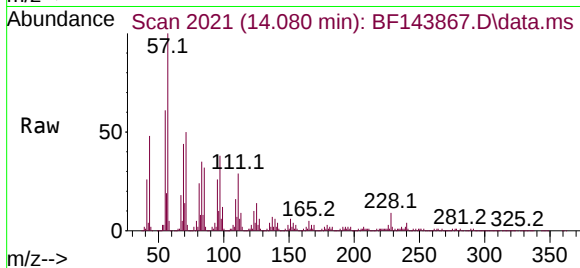
Tgt Ion:228 Resp: 38328
Ion Ratio Lower Upper
228 100
226 29.7 22.6 33.8
229 24.8 15.6 23.4

Manual Integrations

APPROVED

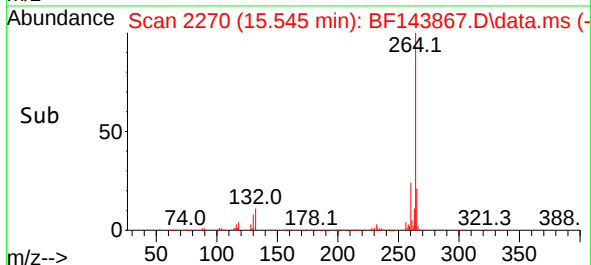
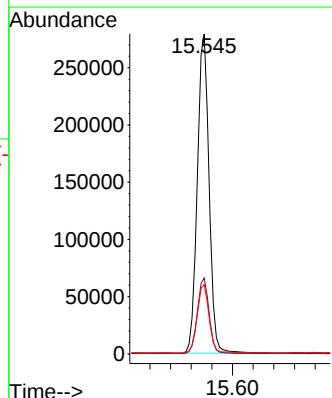
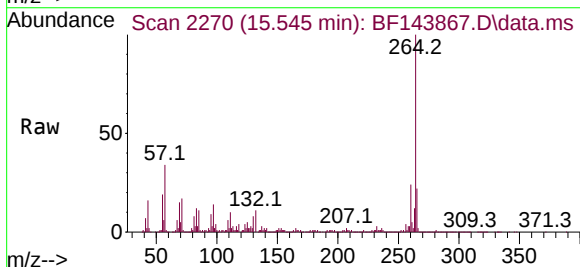
Reviewed By :Rahul Chavli 10/03/2025

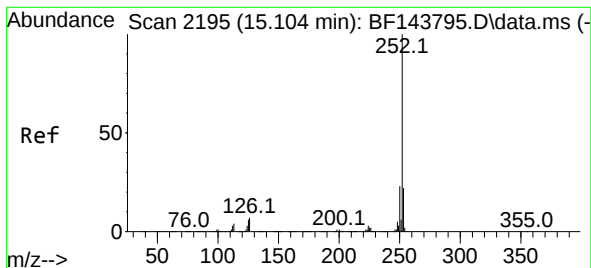
Supervised By :Jagrut Upadhyay 10/03/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF143867.D
Acq: 02 Oct 2025 21:06

Tgt Ion:264 Resp: 440001
Ion Ratio Lower Upper
264 100
260 23.7 17.9 26.9
265 21.6 17.7 26.5





#88

Benzo(b)fluoranthene

Concen: 2.539 ng m

RT: 15.110 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143867.D

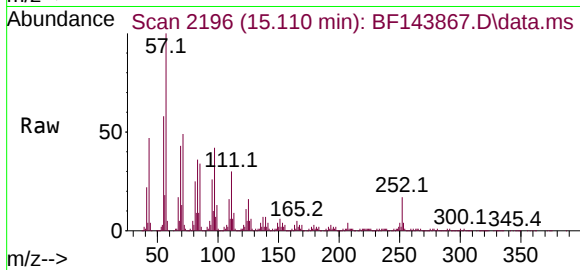
Acq: 02 Oct 2025 21:06

Instrument :

BNA_F

ClientSampleId :

MOO-25-0280



Tgt Ion:252 Resp: 5689

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.8

125 95.0 4.4 6.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/03/2025

Supervised By :Jagrut Upadhyay 10/03/2025

