

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
 Data File : BF143709.D
 Acq On : 11 Sep 2025 16:31
 Operator : RC/JU
 Sample : Q3066-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 354

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/12/2025
 Supervised By :Jagrut Upadhyay 09/12/2025

Quant Time: Sep 11 16:56:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	34723	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	128481	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	67664	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	93947	20.000	ng	0.00
76) Chrysene-d12	14.057	240	90028	20.000	ng	0.01
86) Perylene-d12	15.539	264	71259	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	139232	68.413	ng	0.00
7) Phenol-d6	6.504	99	169015	68.205	ng	0.00
23) Nitrobenzene-d5	7.451	82	105303	50.980	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	43189	63.336	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	227404	50.768	ng	0.00
79) Terphenyl-d14	13.004	244	200482	36.087	ng	0.01
Target Compounds						Qvalue
75) Fluoranthene	12.628	202	12399	2.609	ng	98
78) Pyrene	12.857	202	14909	2.071	ng	95
88) Benzo(b)fluoranthene	15.104	252	14925m	3.518	ng	
90) Benzo(a)pyrene	15.474	252	7731	2.075	ng	# 96

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

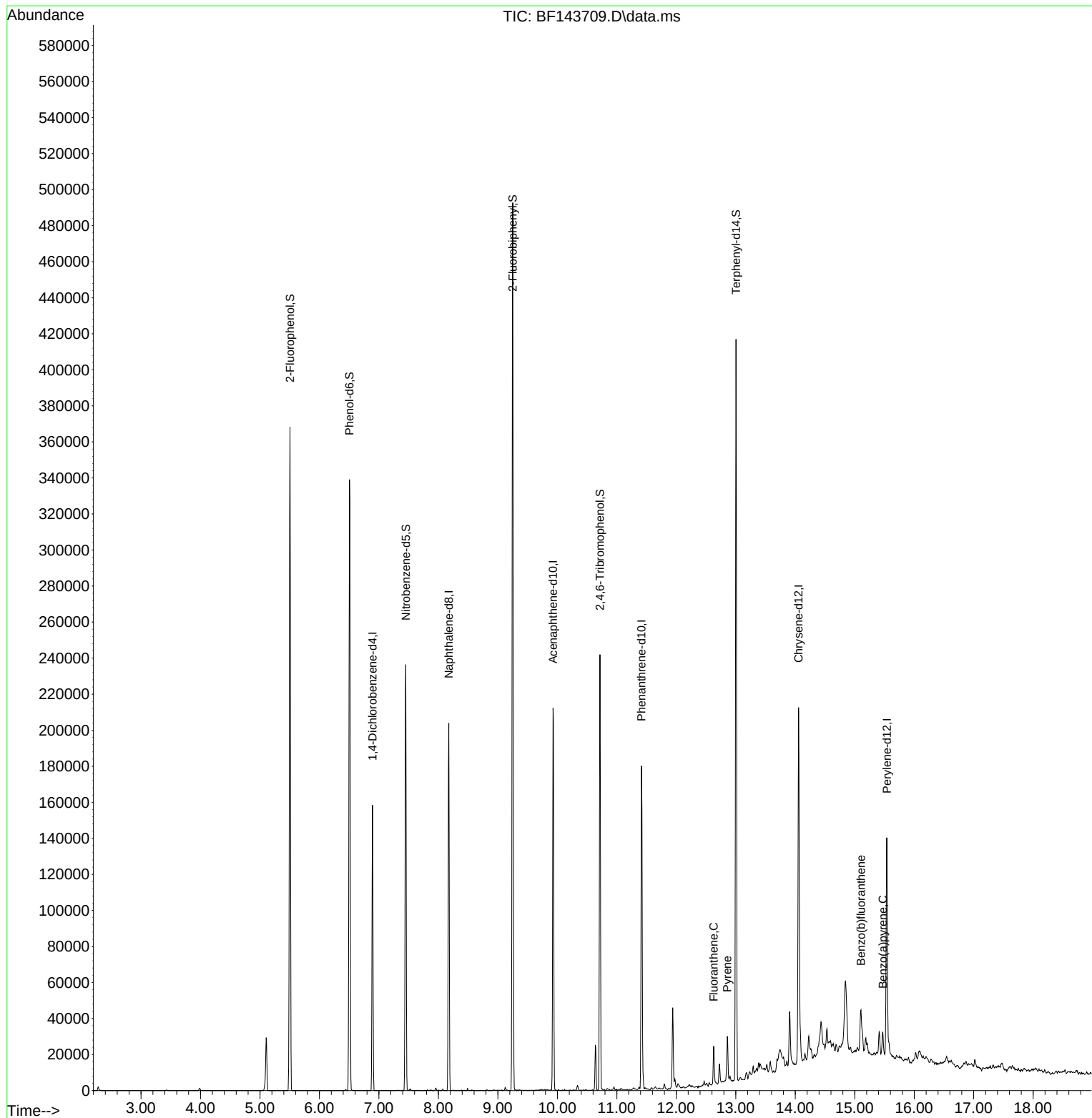
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091125\
Data File : BF143709.D
Acq On : 11 Sep 2025 16:31
Operator : RC/JU
Sample : Q3066-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

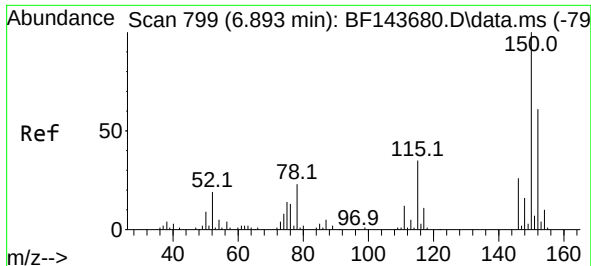
Instrument :
BNA_F
ClientSampleId :
354

Quant Time: Sep 11 16:56:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
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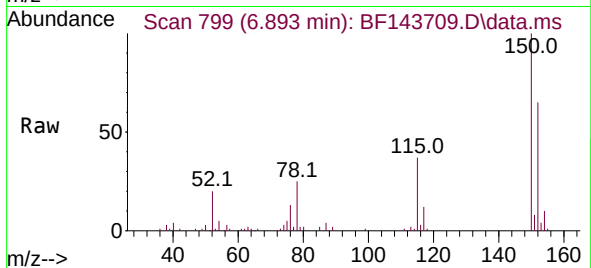
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

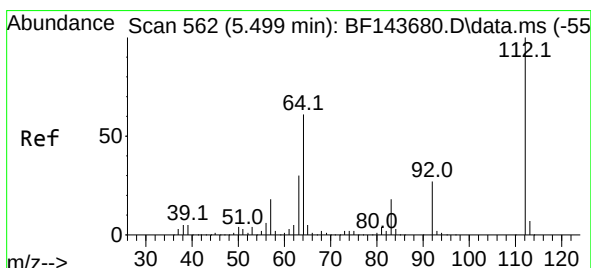
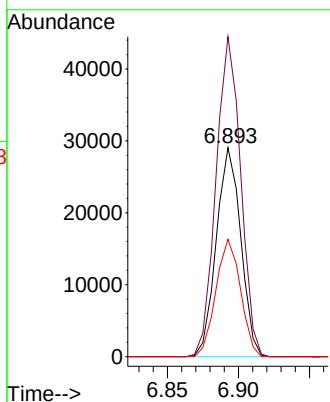
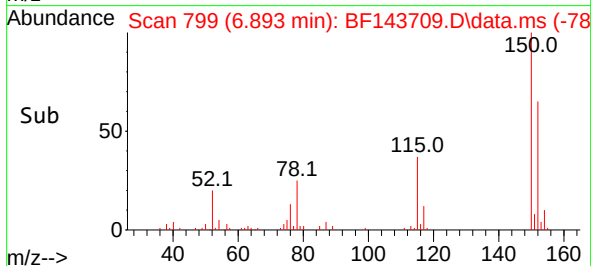
Instrument :
BNA_F
ClientSampleId :
354



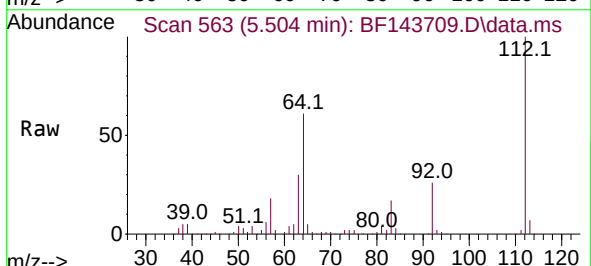
Tgt Ion:152 Resp: 34723
Ion Ratio Lower Upper
152 100
150 153.2 130.7 196.1
115 56.2 45.9 68.9

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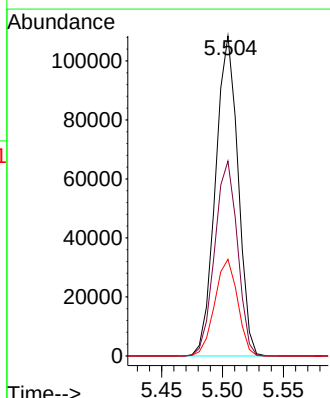
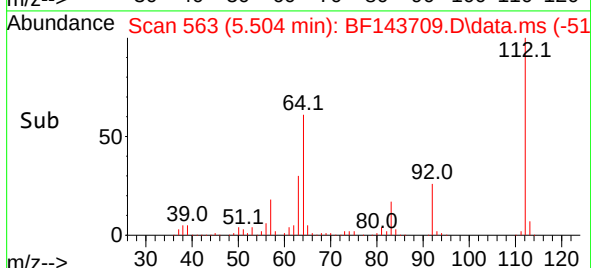
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

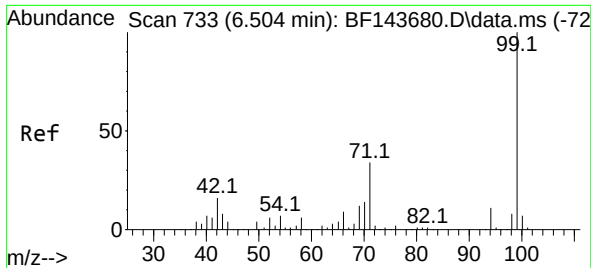


#5
2-Fluorophenol
Concen: 68.413 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31



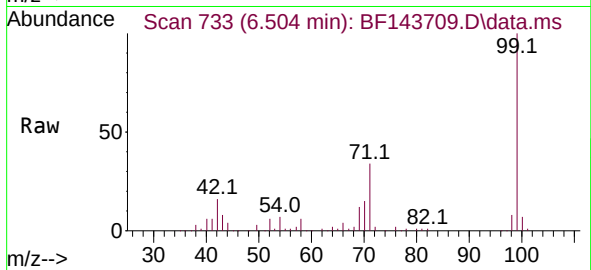
Tgt Ion:112 Resp: 139232
Ion Ratio Lower Upper
112 100
64 60.9 49.0 73.4
63 30.2 24.3 36.5





#7
Phenol-d6
Concen: 68.205 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

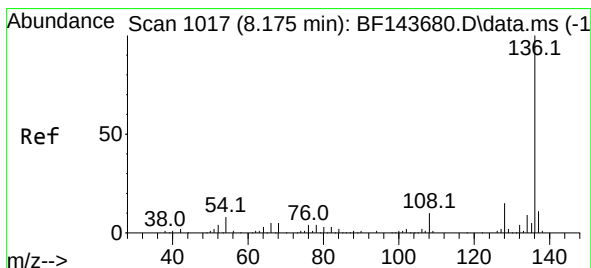
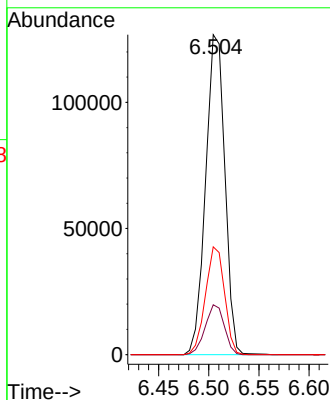
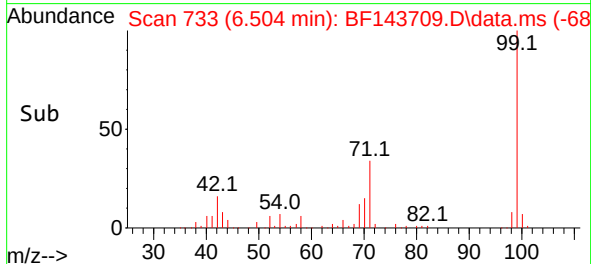
Instrument :
BNA_F
ClientSampleId :
354



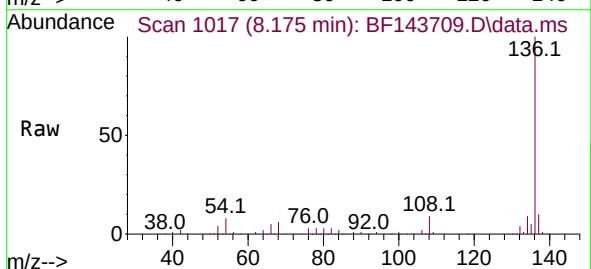
Tgt Ion: 99 Resp: 169015
Ion Ratio Lower Upper
99 100
42 15.6 13.0 19.4
71 33.7 27.4 41.2

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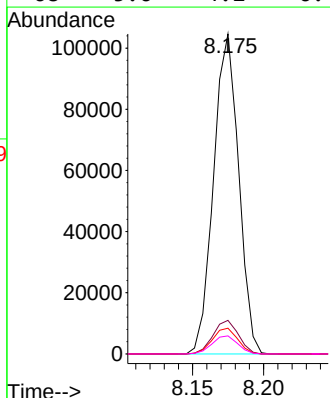
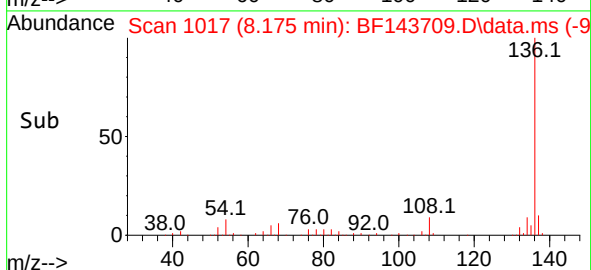
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

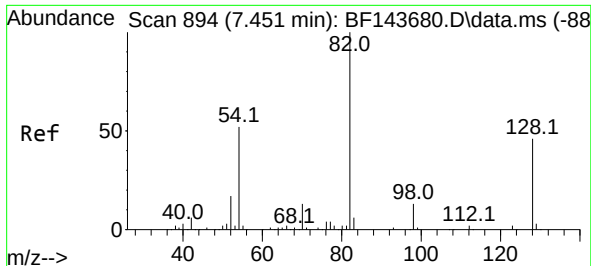


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31



Tgt Ion:136 Resp: 128481
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 8.0 6.2 9.2
68 5.6 4.2 6.4





#23

Nitrobenzene-d5

Concen: 50.980 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.000 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

Instrument :

BNA_F

ClientSampleId :

354

Tgt Ion: 82 Resp: 105303

Ion Ratio Lower Upper

82 100

128 45.8 37.0 55.4

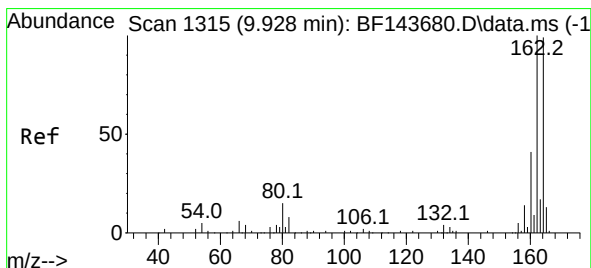
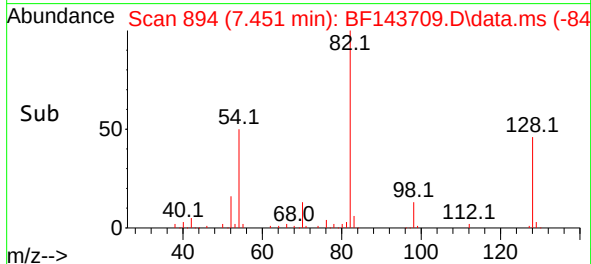
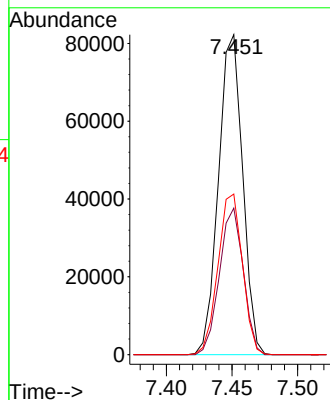
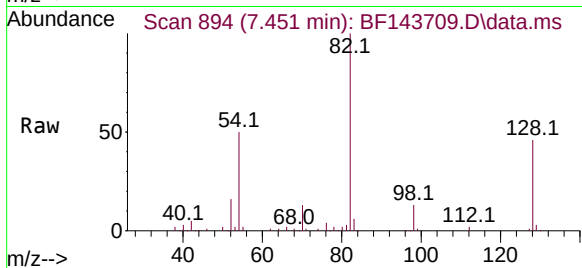
54 50.2 41.8 62.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1315

Delta R.T. 0.000 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

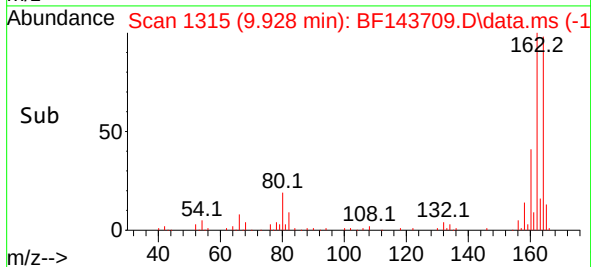
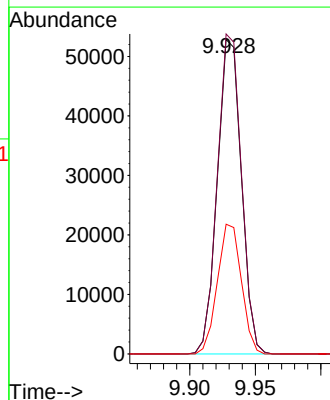
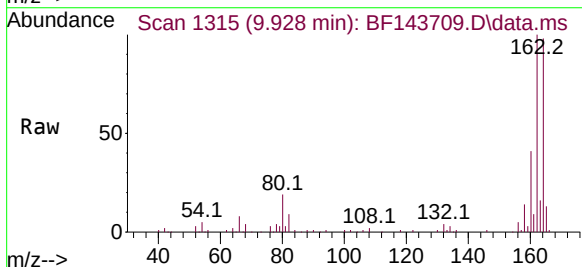
Tgt Ion:164 Resp: 67664

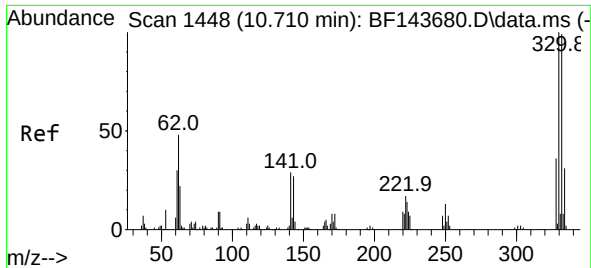
Ion Ratio Lower Upper

164 100

162 101.8 80.6 121.0

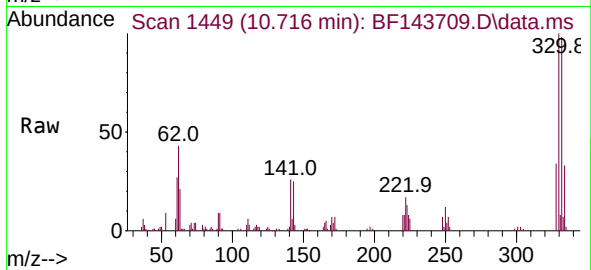
160 41.3 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 63.336 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

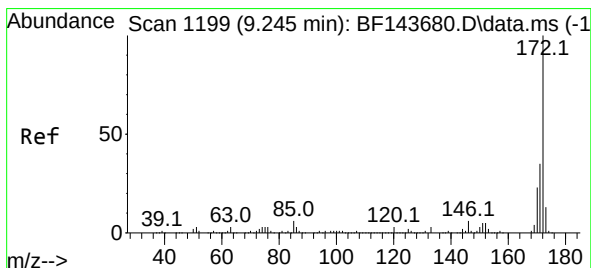
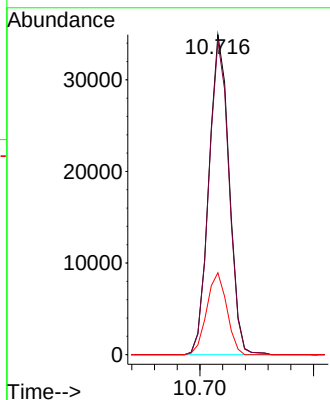
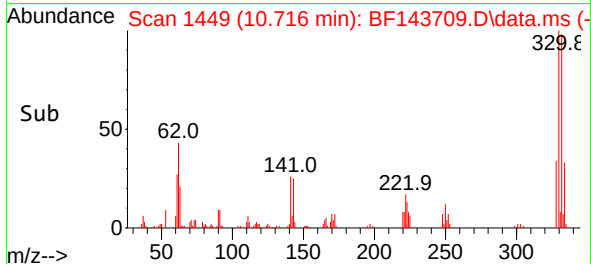
Instrument :
BNA_F
ClientSampleId :
354



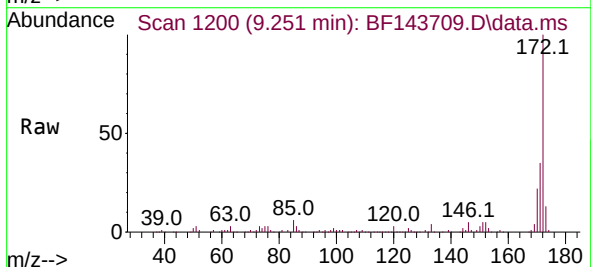
Tgt Ion:330 Resp: 43189
Ion Ratio Lower Upper
330 100
332 97.7 79.2 118.8
141 25.3 22.2 33.4

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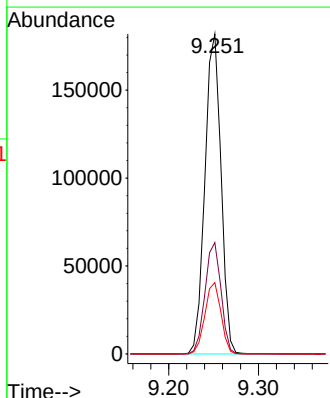
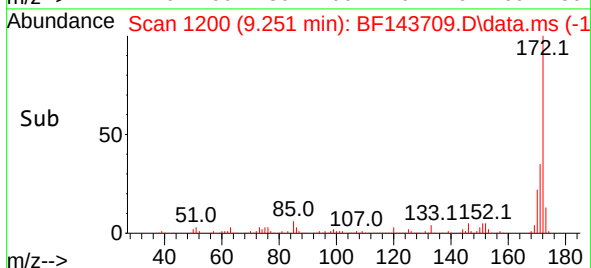
Reviewed By :Rahul Chavli 09/12/2025
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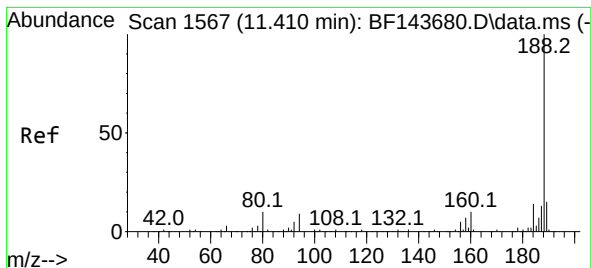


#45
2-Fluorobiphenyl
Concen: 50.768 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31



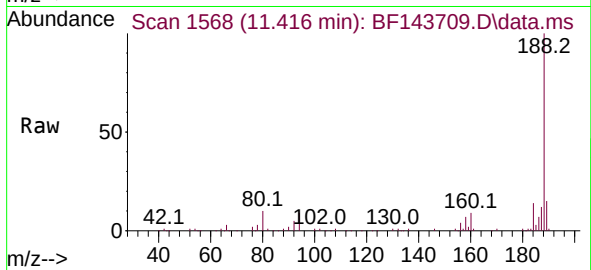
Tgt Ion:172 Resp: 227404
Ion Ratio Lower Upper
172 100
171 34.8 27.9 41.9
170 22.3 18.6 27.8





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1567
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31

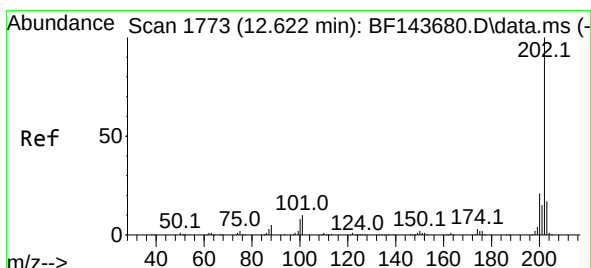
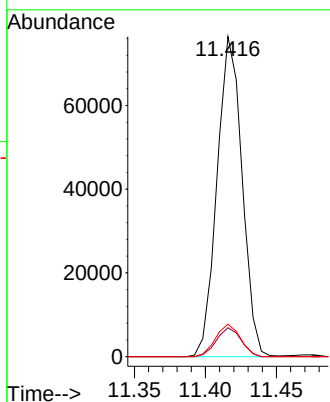
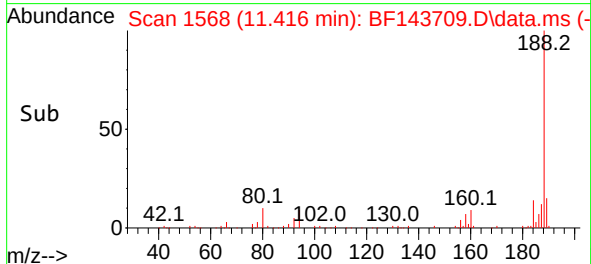
Instrument :
BNA_F
ClientSampleId :
354



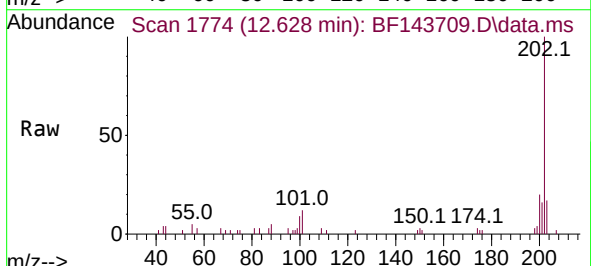
Tgt Ion:188 Resp: 9394
Ion Ratio Lower Upper
188 100
94 9.0 7.4 11.0
80 10.1 7.7 11.5

Manual Integrations
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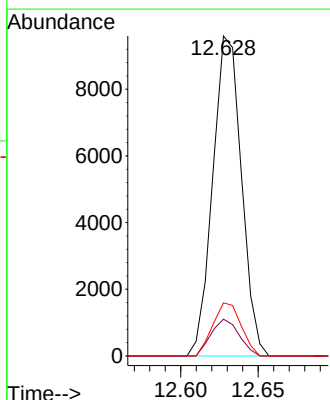
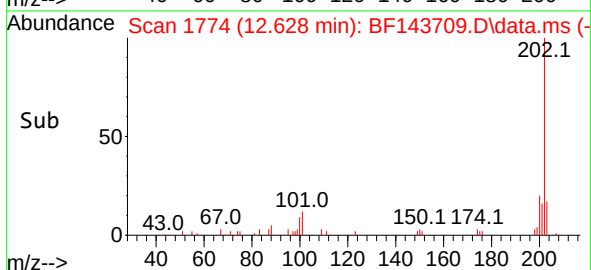
Reviewed By :Rahul Chavli 09/12/2025
Supervised By :Jagrut Upadhyay 09/12/2025

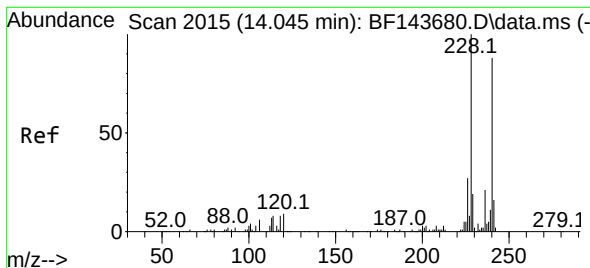


#75
Fluoranthene
Concen: 2.609 ng
RT: 12.628 min Scan# 1774
Delta R.T. 0.006 min
Lab File: BF143709.D
Acq: 11 Sep 2025 16:31



Tgt Ion:202 Resp: 12399
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.5
203 16.6 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143709.D

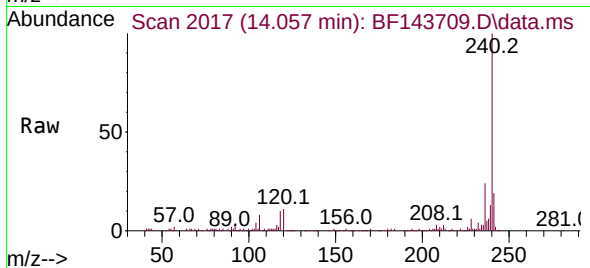
Acq: 11 Sep 2025 16:31

Instrument :

BNA_F

ClientSampleId :

354



Tgt Ion:240 Resp: 90028

Ion Ratio Lower Upper

240 100

120 11.1 8.4 12.6

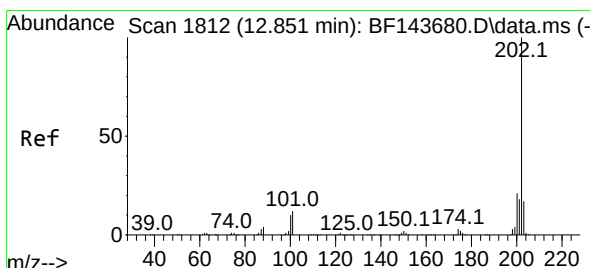
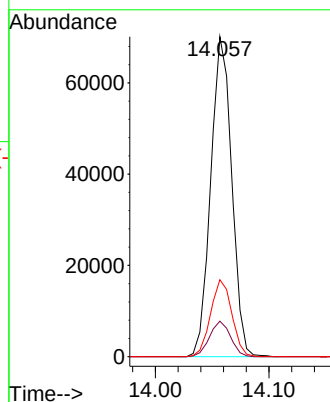
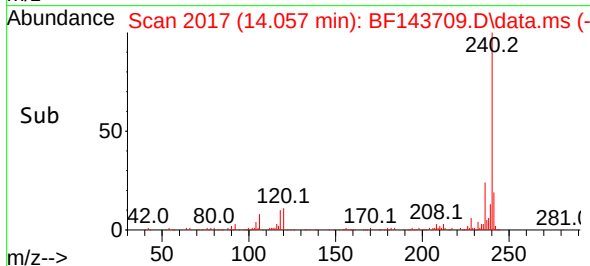
236 24.0 18.6 28.0

Manual Integrations

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#78

Pyrene

Concen: 2.071 ng

RT: 12.857 min Scan# 1813

Delta R.T. 0.006 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

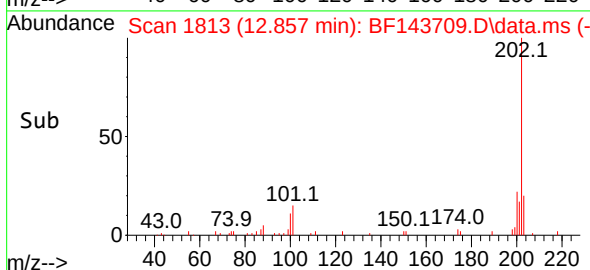
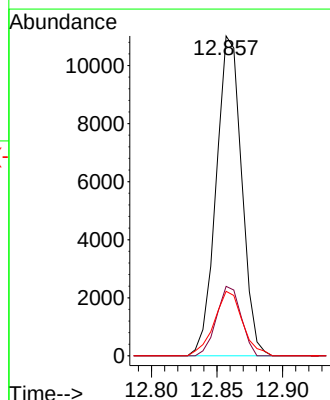
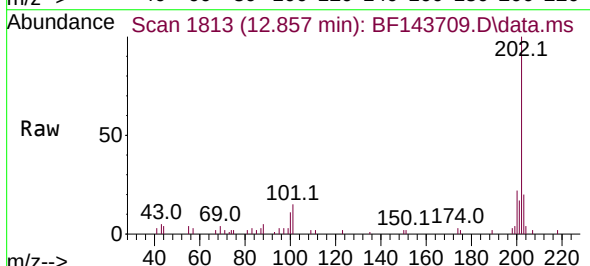
Tgt Ion:202 Resp: 14909

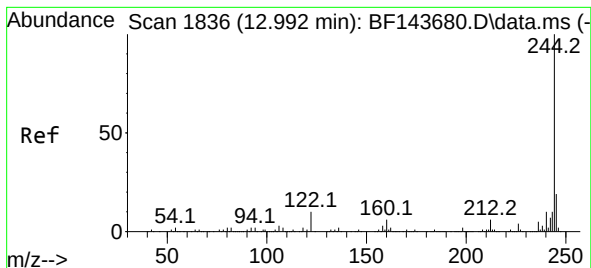
Ion Ratio Lower Upper

202 100

200 21.7 16.6 24.8

203 20.2 13.5 20.3





#79

Terphenyl-d14

Concen: 36.087 ng

RT: 13.004 min Scan# 1836

Delta R.T. 0.012 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

Instrument :

BNA_F

ClientSampleId :

354

Tgt Ion:244 Resp: 200482

Ion Ratio Lower Upper

244 100

212 6.0 5.0 7.6

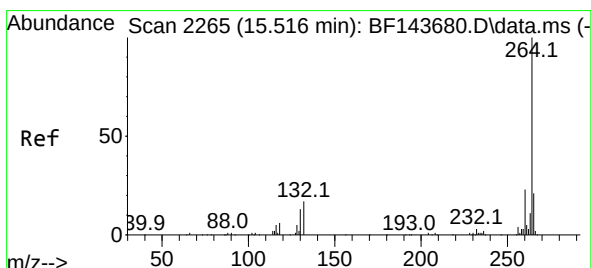
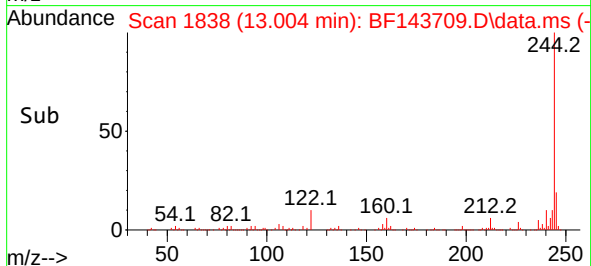
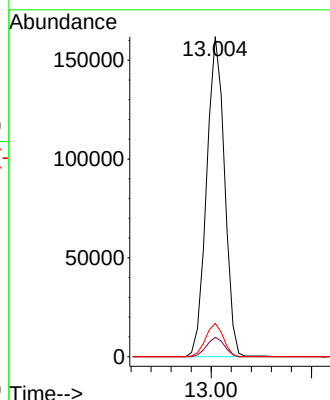
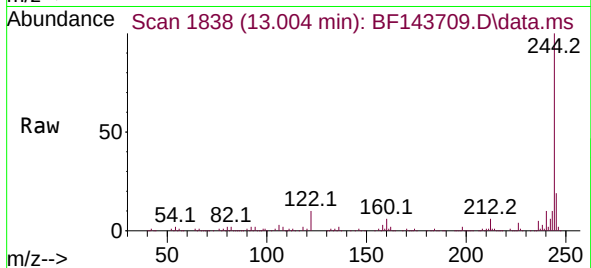
122 10.4 7.9 11.9

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#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2269

Delta R.T. 0.024 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

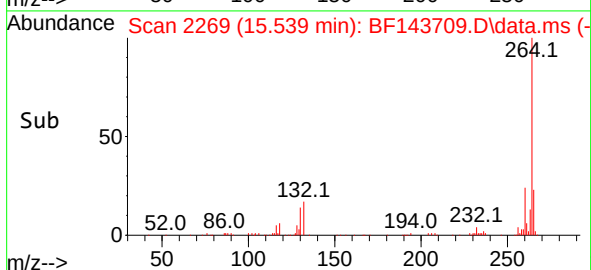
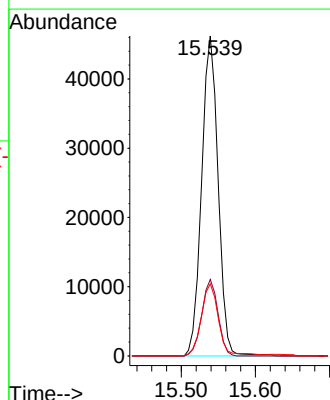
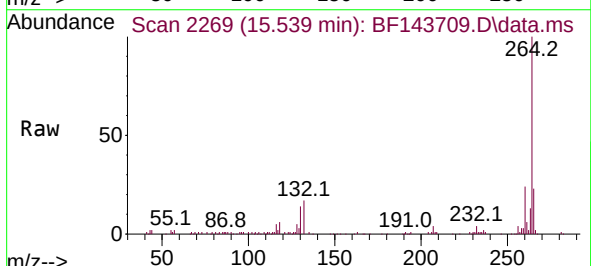
Tgt Ion:264 Resp: 71259

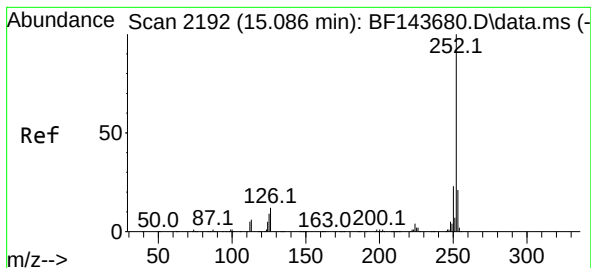
Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 22.5 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 3.518 ng m

RT: 15.104 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

Instrument :

BNA_F

ClientSampleId :

354

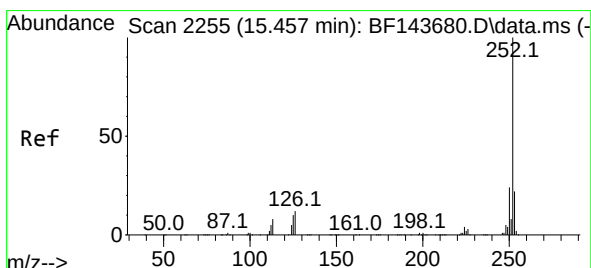
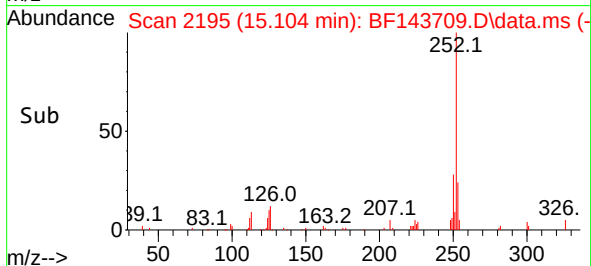
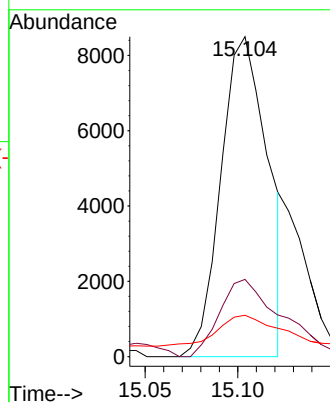
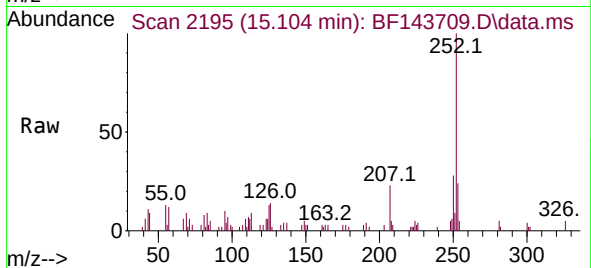
Tgt Ion:252	Resp:	14925
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.0 25.4
125	12.9	7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/12/2025

Supervised By :Jagrut Upadhyay 09/12/2025



#90

Benzo(a)pyrene

Concen: 2.075 ng

RT: 15.474 min Scan# 2258

Delta R.T. 0.018 min

Lab File: BF143709.D

Acq: 11 Sep 2025 16:31

Tgt Ion:252	Resp:	7731
Ion Ratio	Lower	Upper
252	100	
253	21.4	17.4 26.0
125	14.6	8.2 12.4

