

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143958.D
 Acq On : 15 Oct 2025 17:57
 Operator : RC/JU
 Sample : Q3341-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 C-1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025

Quant Time: Oct 16 11:10:19 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	106992	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	421767	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	230177	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	393715	20.00	ng	0.00
76) Chrysene-d12	14.057	240	214780	20.00	ng	-0.01
86) Perylene-d12	15.545	264	212779	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	586681	87.08	ng	0.00
7) Phenol-d6	6.498	99	708531	88.23	ng	-0.02
23) Nitrobenzene-d5	7.440	82	434169	62.54	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	193256	84.30	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	837918	57.76	ng	-0.01
79) Terphenyl-d14	13.004	244	812538	64.66	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	39438	2.07	ng	99
75) Fluoranthene	12.627	202	55989	2.84	ng	98
78) Pyrene	12.857	202	44998	2.51	ng	99
88) Benzo(b)fluoranthene	15.110	252	26189m	2.14	ng	

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

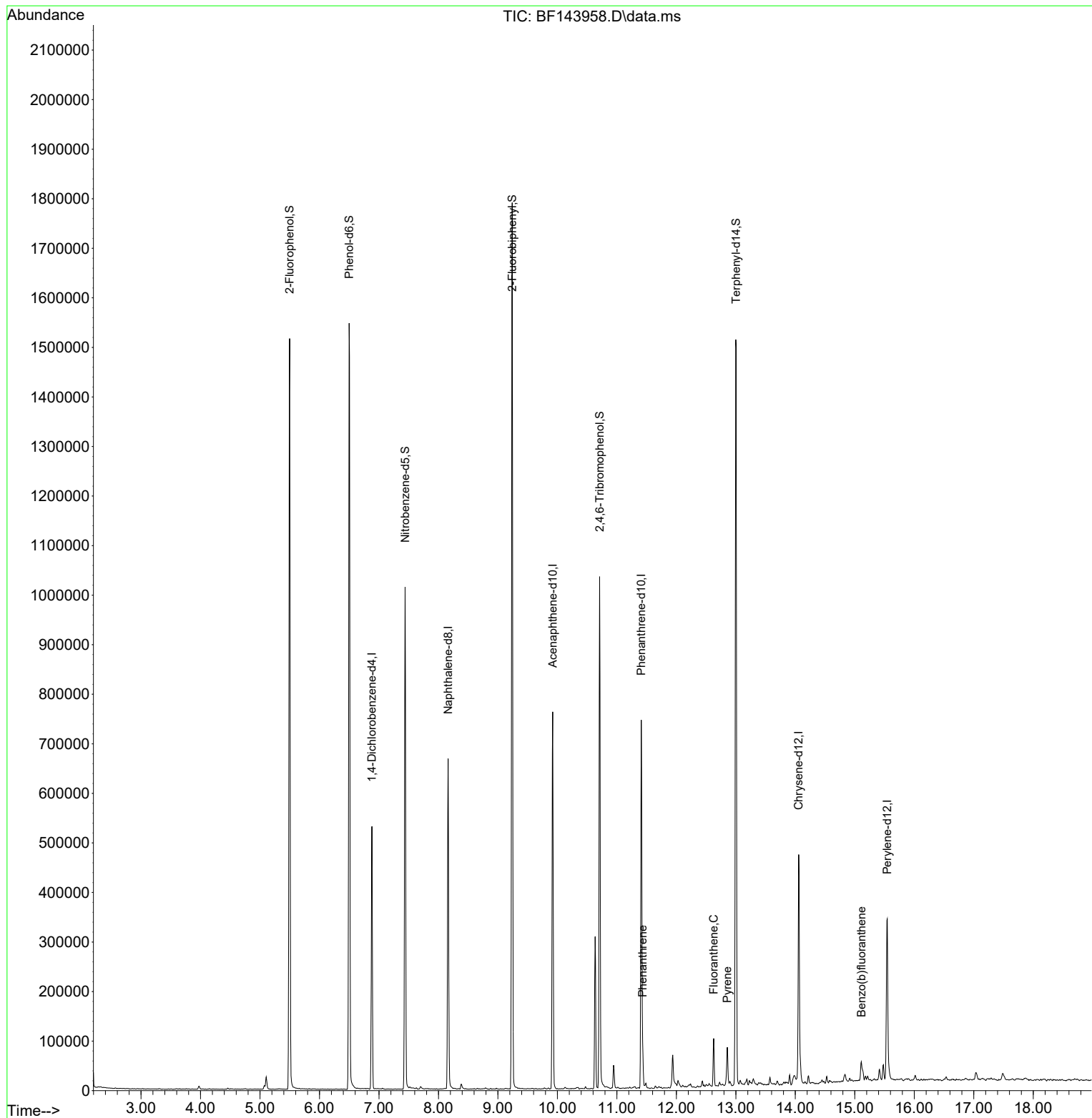
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143958.D
Acq On : 15 Oct 2025 17:57
Operator : RC/JU
Sample : Q3341-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

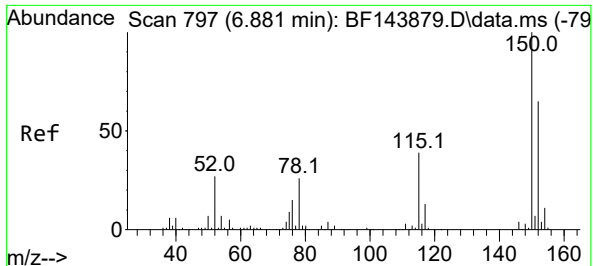
Instrument :
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ClientSampleId :
C-1

Quant Time: Oct 16 11:10:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
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APPROVED

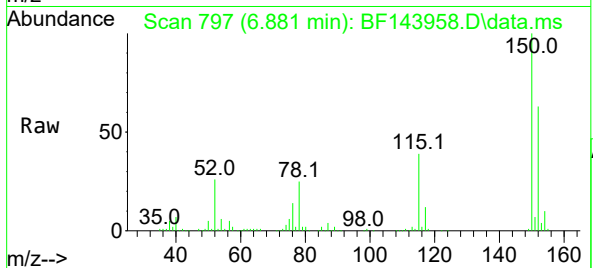
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

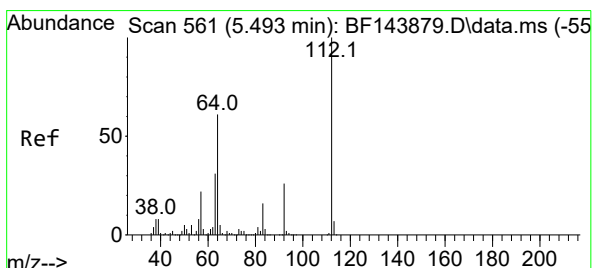
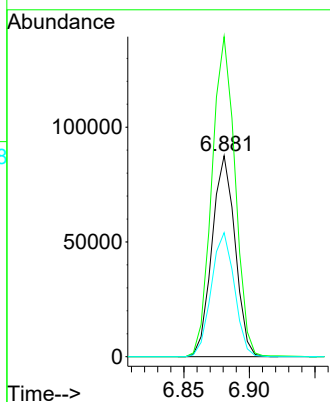
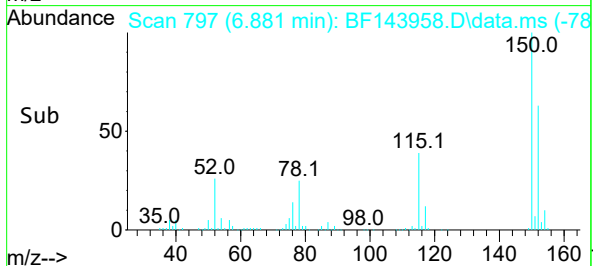
Instrument :
BNA_F
ClientSampleId :
C-1



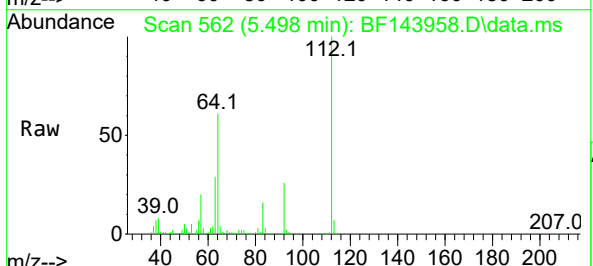
Tgt Ion:152 Resp: 106992
Ion Ratio Lower Upper
152 100
150 159.3 124.4 186.6
115 61.7 48.1 72.1

Manual Integrations
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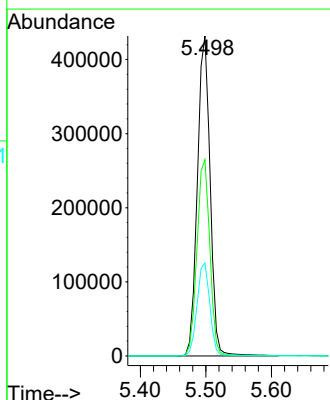
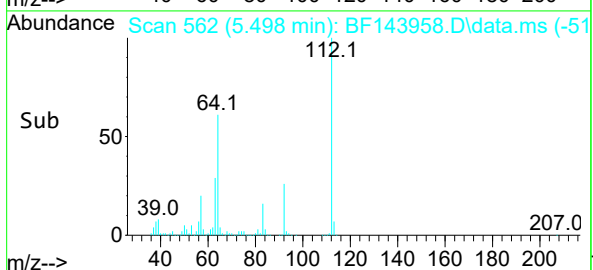
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

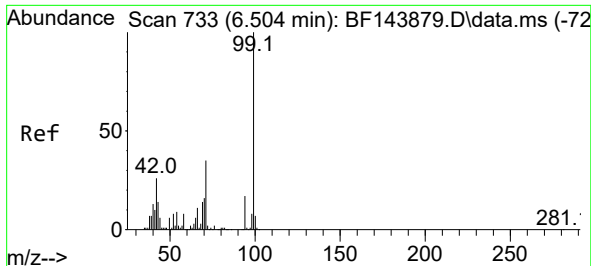


#5
2-Fluorophenol
Concen: 87.08 ng
RT: 5.498 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57



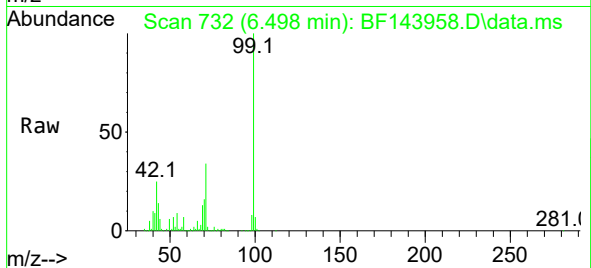
Tgt Ion:112 Resp: 586681
Ion Ratio Lower Upper
112 100
64 61.4 49.1 73.7
63 29.1 24.5 36.7





#7
Phenol-d6
Concen: 88.23 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

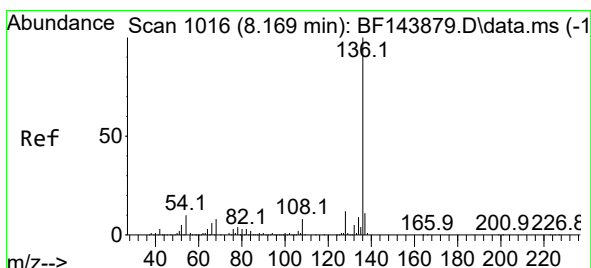
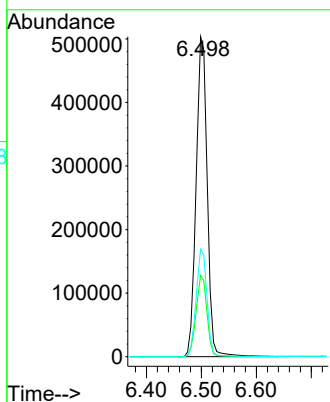
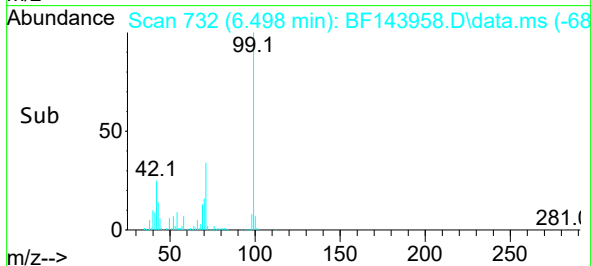
Instrument :
BNA_F
ClientSampleId :
C-1



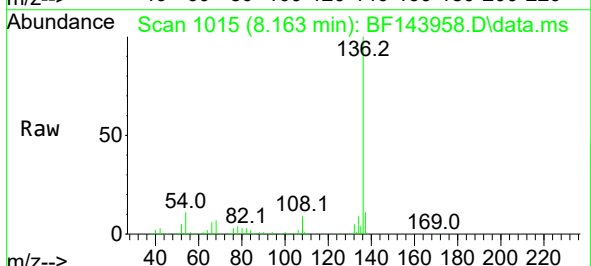
Tgt Ion: 99 Resp: 70853
Ion Ratio Lower Upper
99 100
42 25.4 21.0 31.4
71 33.7 27.8 41.8

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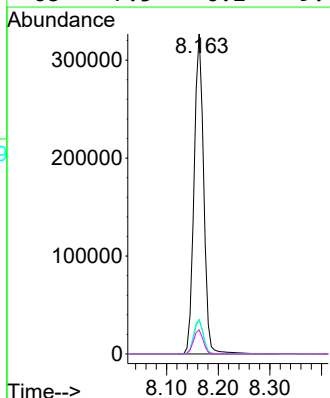
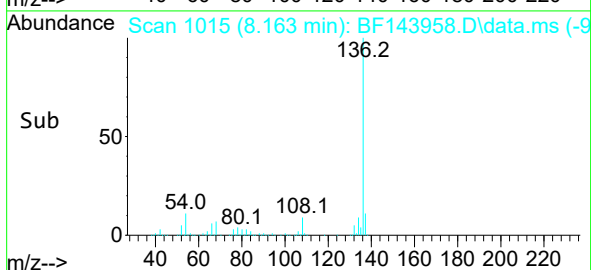
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

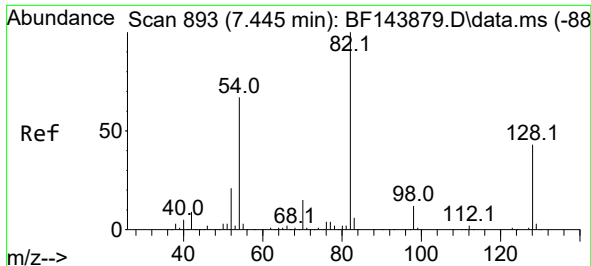


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57



Tgt Ion:136 Resp: 421767
Ion Ratio Lower Upper
136 100
137 10.7 8.5 12.7
54 10.8 8.2 12.4
68 7.5 6.2 9.4





#23

Nitrobenzene-d5

Concen: 62.54 ng

RT: 7.440 min Scan# 893

Delta R.T. -0.018 min

Lab File: BF143958.D

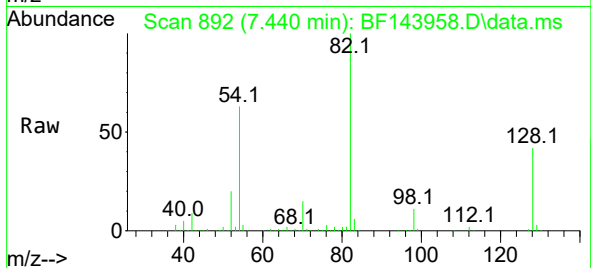
Acq: 15 Oct 2025 17:57

Instrument :

BNA_F

ClientSampleId :

C-1



Tgt Ion: 82 Resp: 434169

Ion Ratio Lower Upper

82 100

128 41.5 34.0 51.0

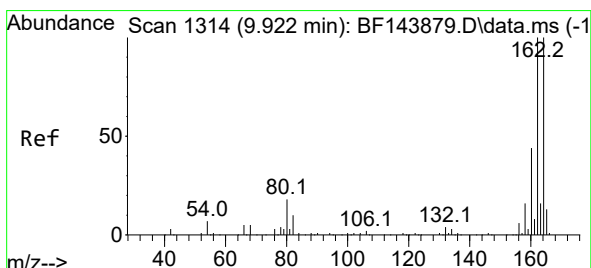
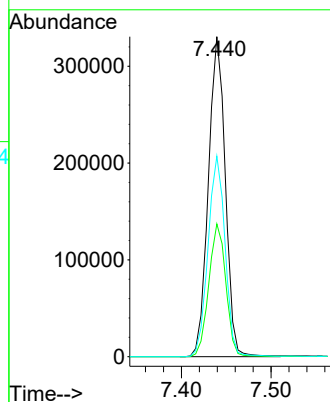
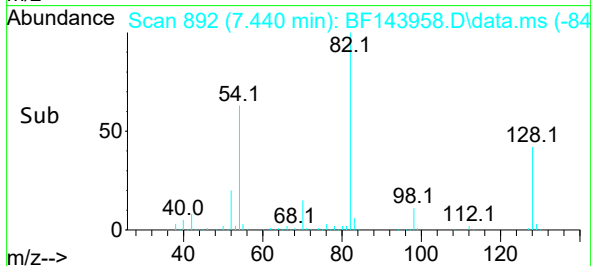
54 62.7 53.2 79.8

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143958.D

Acq: 15 Oct 2025 17:57

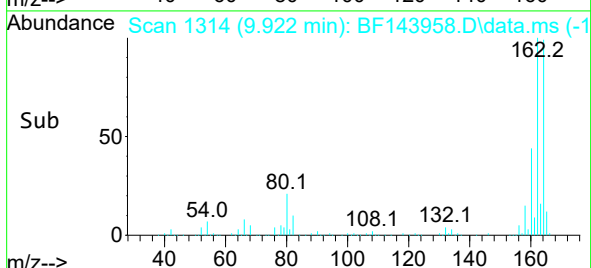
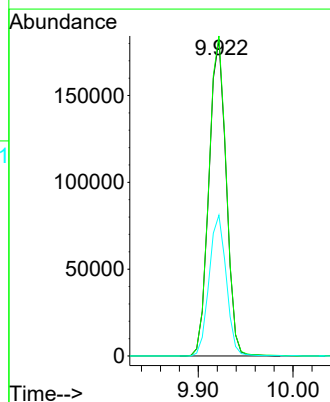
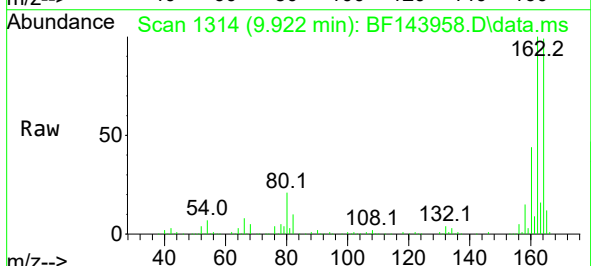
Tgt Ion:164 Resp: 230177

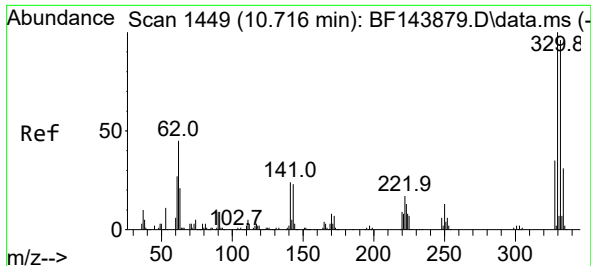
Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

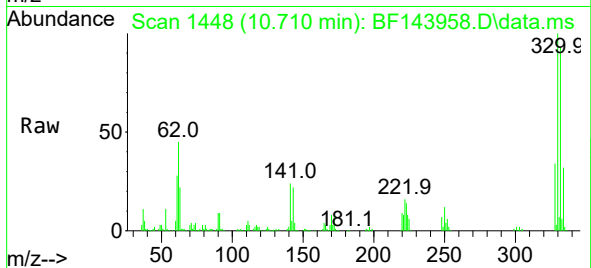
160 44.5 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 84.30 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

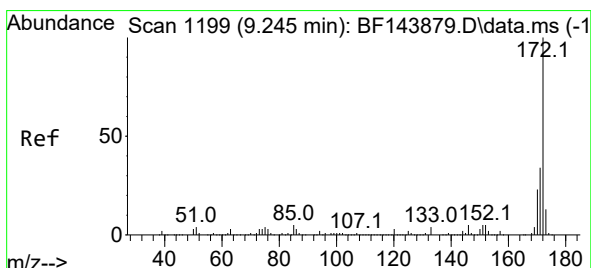
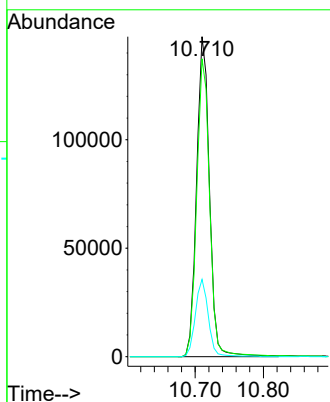
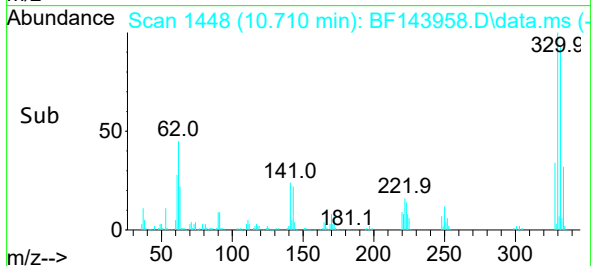
Instrument :
BNA_F
ClientSampleId :
C-1



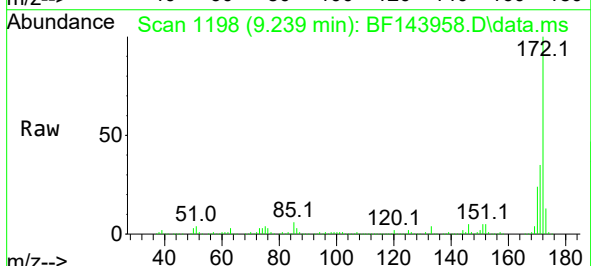
Tgt Ion: 330 Resp: 193250
Ion Ratio Lower Upper
330 100
332 93.8 76.9 115.3
141 24.4 20.2 30.4

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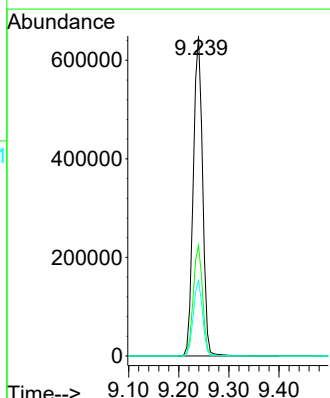
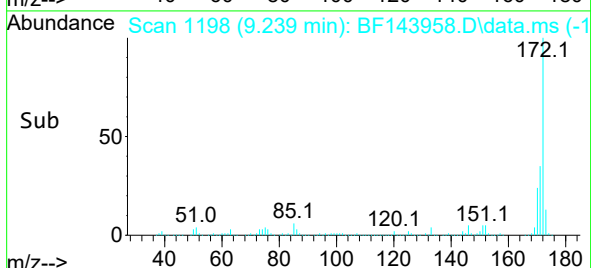
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

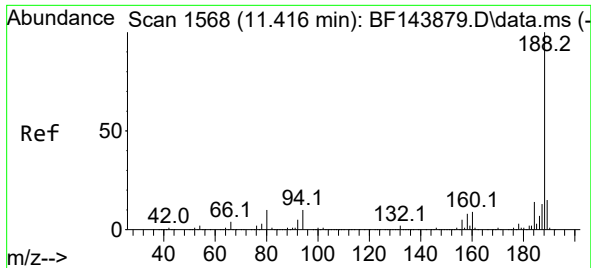


#45
2-Fluorobiphenyl
Concen: 57.76 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57



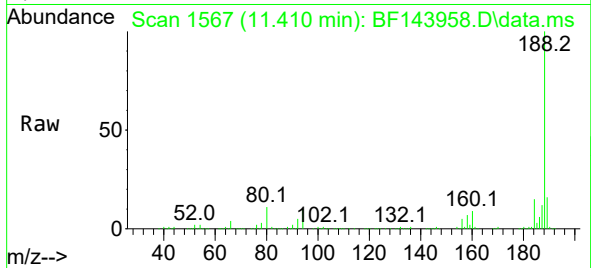
Tgt Ion: 172 Resp: 837918
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.0
170 23.5 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.410 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

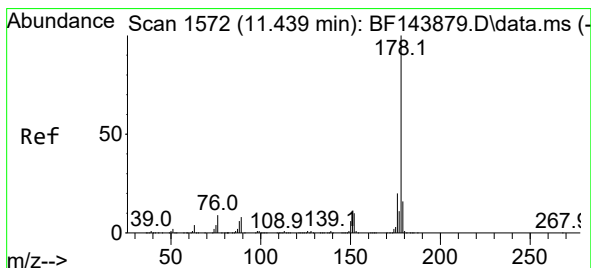
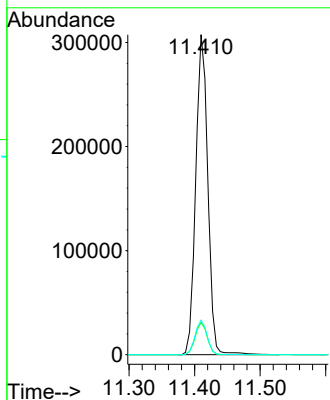
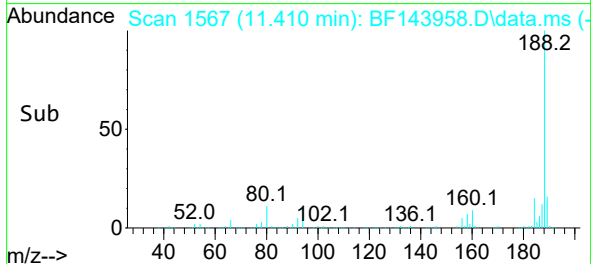
Instrument :
BNA_F
ClientSampleId :
C-1



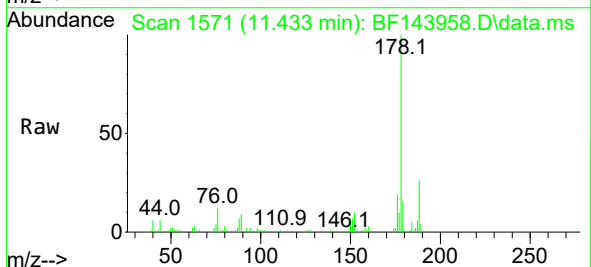
Tgt Ion:188 Resp: 393715
Ion Ratio Lower Upper
188 100
94 10.1 7.8 11.6
80 10.8 7.9 11.9

Manual Integrations
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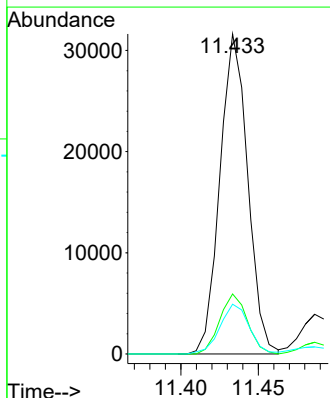
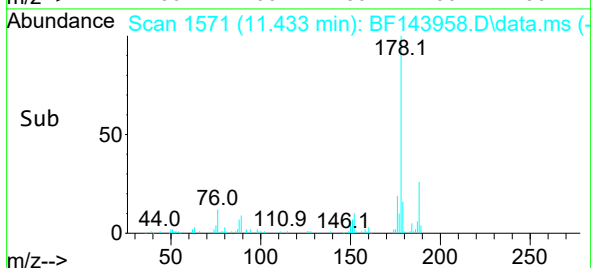
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

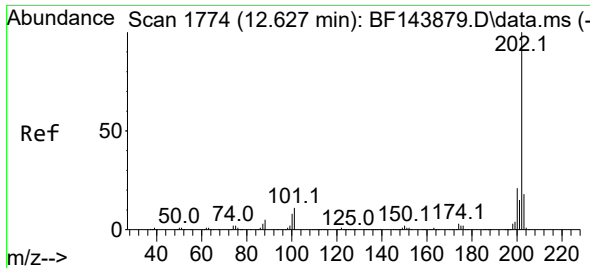


#71
Phenanthrene
Concen: 2.07 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57



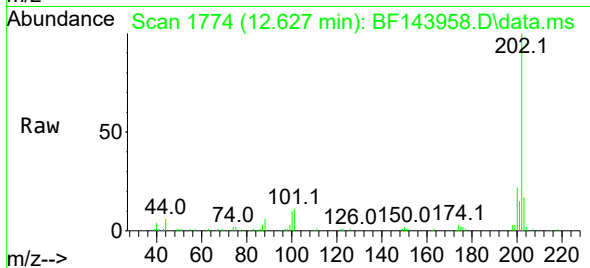
Tgt Ion:178 Resp: 39438
Ion Ratio Lower Upper
178 100
176 18.8 15.9 23.9
179 15.5 12.4 18.6





#75
Fluoranthene
Concen: 2.84 ng
RT: 12.627 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

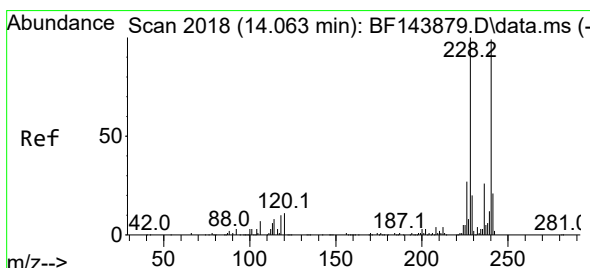
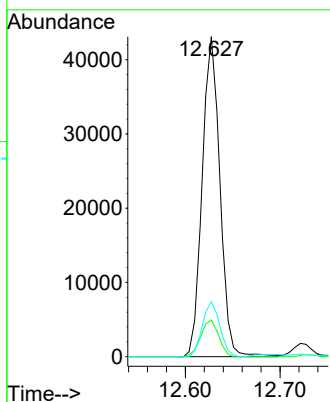
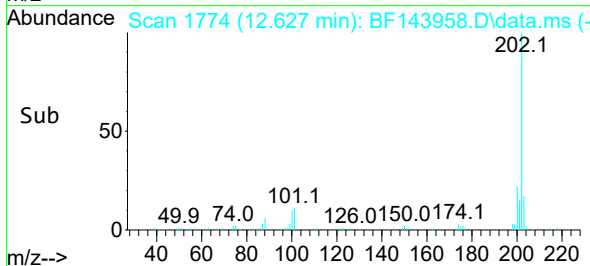
Instrument :
BNA_F
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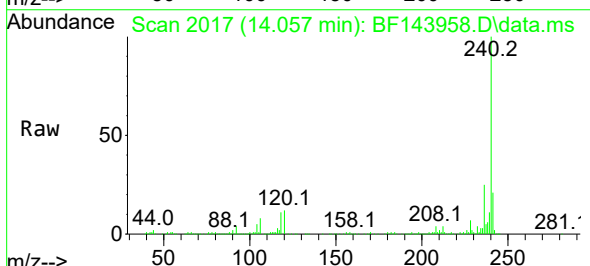
Tgt Ion:202 Resp: 55989
Ion Ratio Lower Upper
202 100
101 11.5 0.0 30.7
203 17.2 0.0 37.8

Manual Integrations
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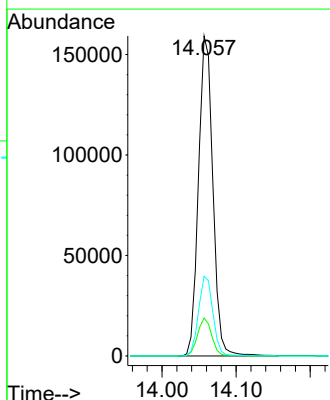
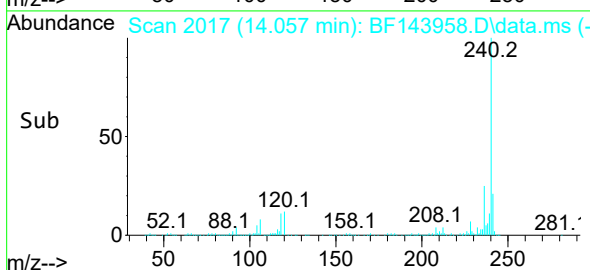
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Supervised By :Jagrut Upadhyay 10/16/2025

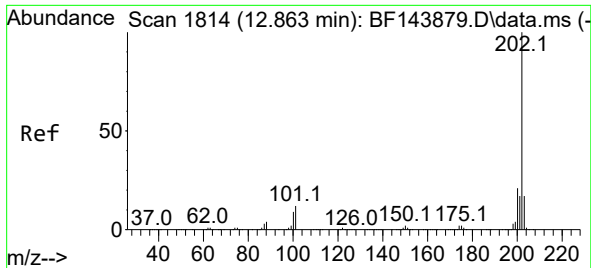


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.011 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57



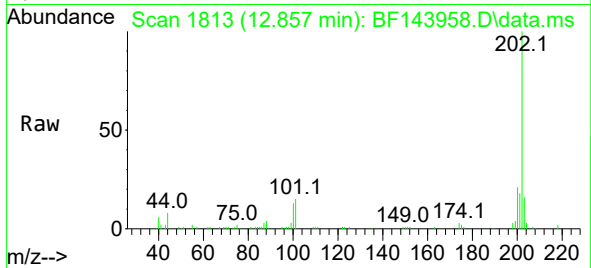
Tgt Ion:240 Resp: 214780
Ion Ratio Lower Upper
240 100
120 11.9 8.6 13.0
236 24.9 21.1 31.7





#78
Pyrene
Concen: 2.51 ng
RT: 12.857 min Scan# 1813
Delta R.T. -0.006 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

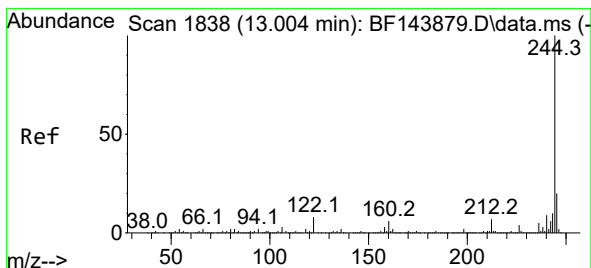
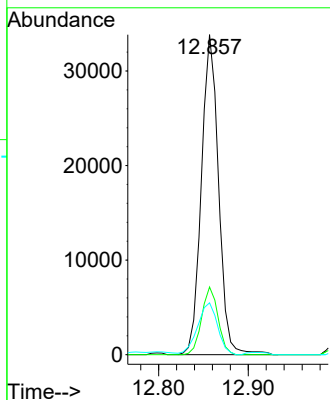
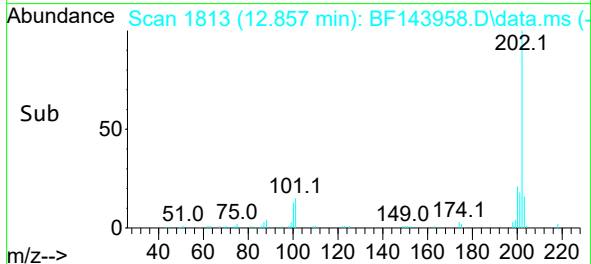
Instrument :
BNA_F
ClientSampleId :
C-1



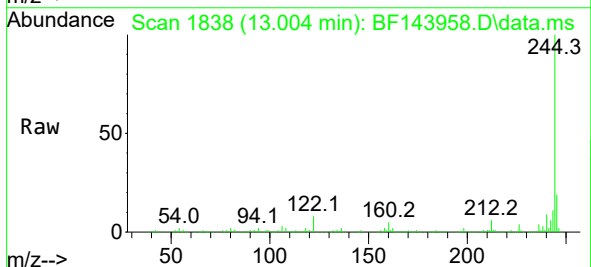
Tgt Ion:202 Resp: 44998
Ion Ratio Lower Upper
202 100
200 21.1 17.0 25.6
203 16.2 13.8 20.6

Manual Integrations
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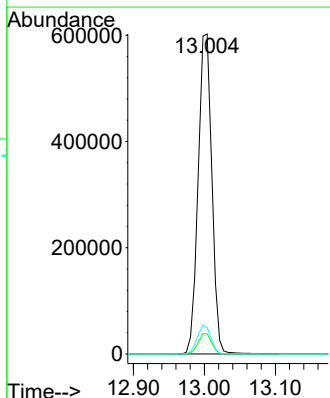
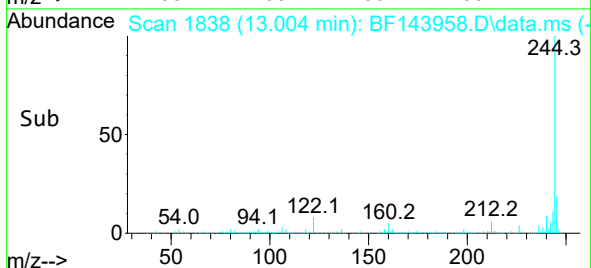
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

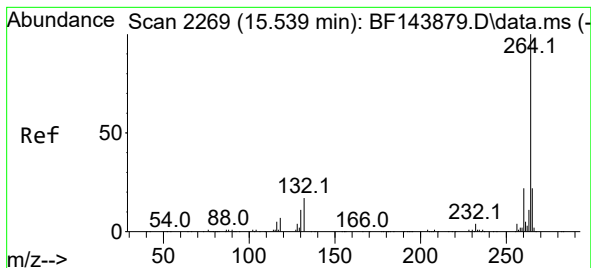


#79
Terphenyl-d14
Concen: 64.66 ng
RT: 13.004 min Scan# 1838
Delta R.T. -0.006 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57



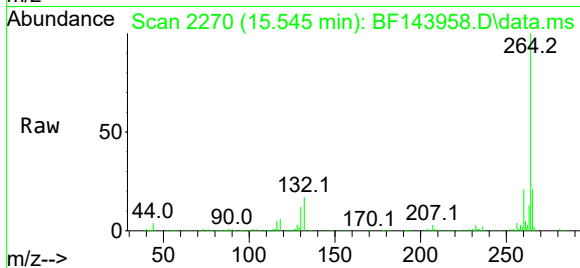
Tgt Ion:244 Resp: 812538
Ion Ratio Lower Upper
244 100
212 6.3 5.4 8.0
122 8.1 6.4 9.6





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 212779
Delta R.T. 0.000 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

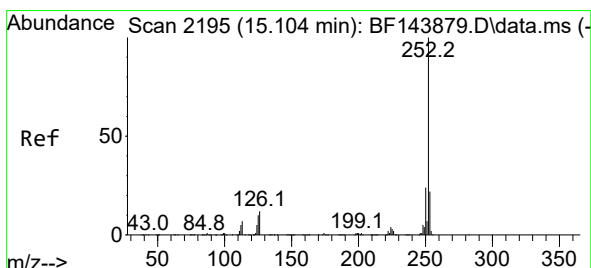
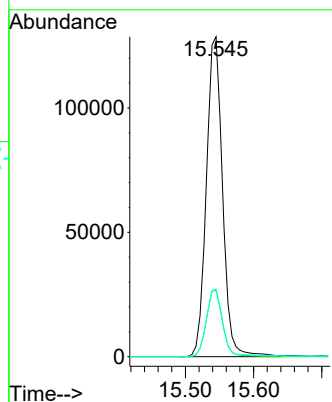
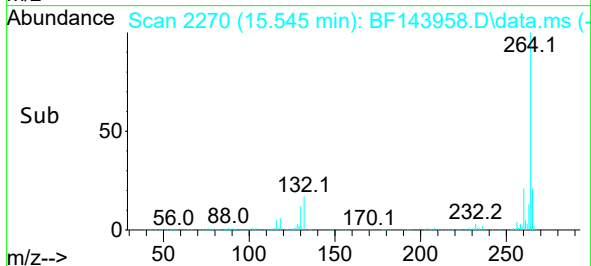
Instrument :
BNA_F
ClientSampleId :
C-1



Tgt Ion:264 Resp: 212779
Ion Ratio Lower Upper
264 100
260 20.7 17.8 26.8
265 21.2 17.5 26.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#88
Benzo(b)fluoranthene
Concen: 2.14 ng m
RT: 15.110 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BF143958.D
Acq: 15 Oct 2025 17:57

Tgt Ion:252 Resp: 26189
Ion Ratio Lower Upper
252 100
253 25.0 17.4 26.2
125 11.4 7.8 11.6

