

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143530.D
 Acq On : 21 Aug 2025 15:11
 Operator : RC/JU
 Sample : Q2819-10RE
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 84SB-SRE

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/22/2025
 Supervised By :mohammad ahmed 08/22/2025

Quant Time: Aug 21 15:50:19 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	128328	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	480515	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	247608	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	332938	20.000	ng	0.00
76) Chrysene-d12	14.092	240	239904	20.000	ng	-0.01
86) Perylene-d12	15.592	264	296752	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.557	112	407971	55.513	ng	0.00
7) Phenol-d6	6.557	99	501868	55.320	ng	-0.02
23) Nitrobenzene-d5	7.481	82	336782	40.900	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	109467	47.494	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	637584	42.556	ng	0.00
79) Terphenyl-d14	13.033	244	454012	33.024	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.669	202	69507	4.345	ng	99
78) Pyrene	12.898	202	64191	3.253	ng	99
81) Benzo(a)anthracene	14.086	228	34552	2.237	ng	96
83) Chrysene	14.122	228	39660	2.857	ng	96
88) Benzo(b)fluoranthene	15.151	252	59852m	3.628	ng	
90) Benzo(a)pyrene	15.527	252	38651	2.524	ng	96

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

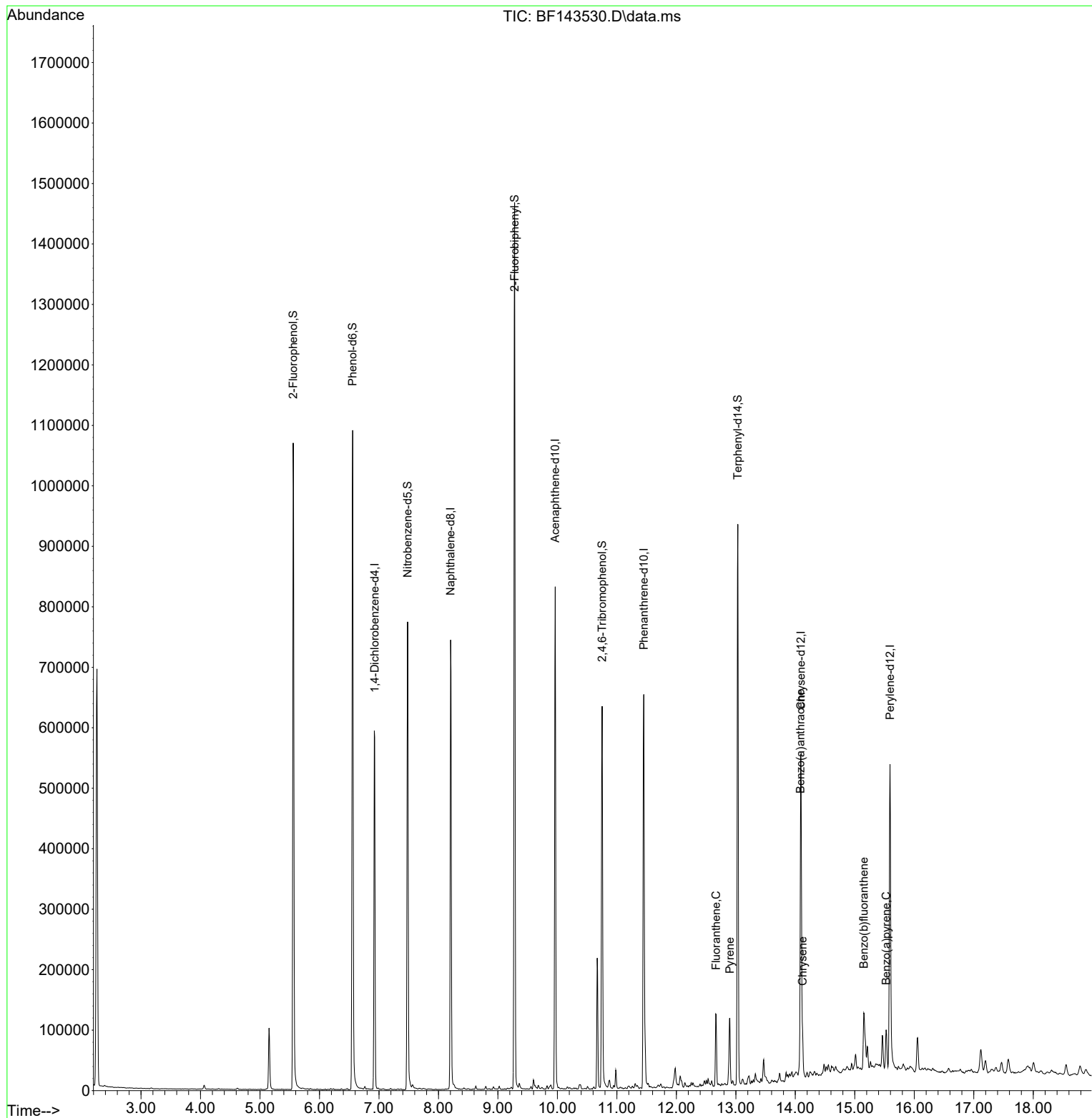
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143530.D
Acq On : 21 Aug 2025 15:11
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ALS Vial : 14 Sample Multiplier: 1

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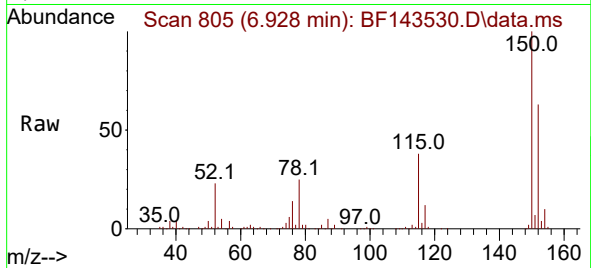
Quant Time: Aug 21 15:50:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 21 06:12:21 2025
Response via : Initial Calibration





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143530.D
 Acq: 21 Aug 2025 15:11

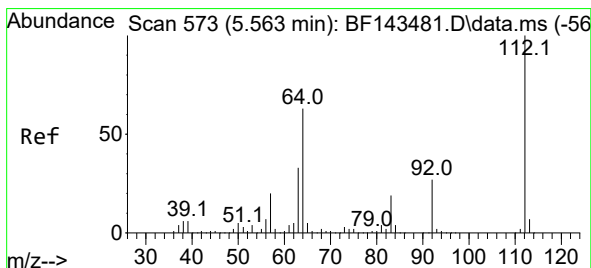
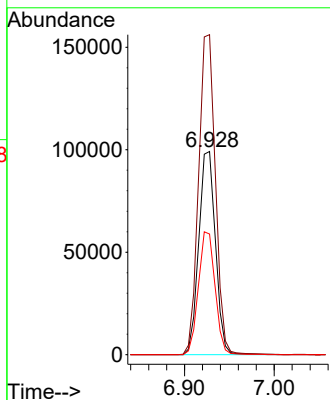
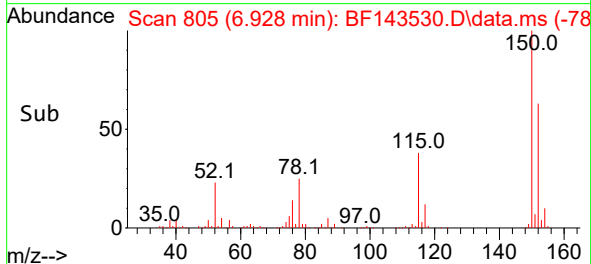
Instrument :
 BNA_F
 ClientSampleId :
 84SB-SRE



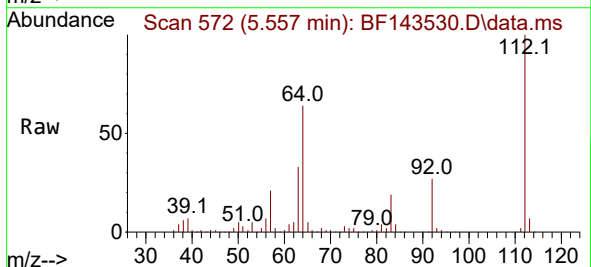
Tgt Ion:152 Resp: 128328
 Ion Ratio Lower Upper
 152 100
 150 157.5 128.9 193.3
 115 59.4 49.2 73.8

Manual Integrations
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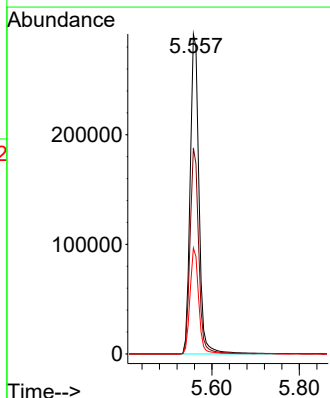
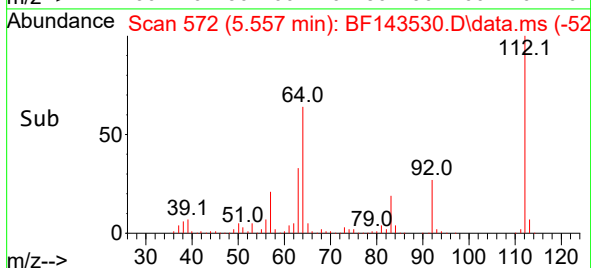
Reviewed By :Rahul Chavli 08/22/2025
 Supervised By :mohammad ahmed 08/22/2025



#5
 2-Fluorophenol
 Concen: 55.513 ng
 RT: 5.557 min Scan# 572
 Delta R.T. -0.006 min
 Lab File: BF143530.D
 Acq: 21 Aug 2025 15:11



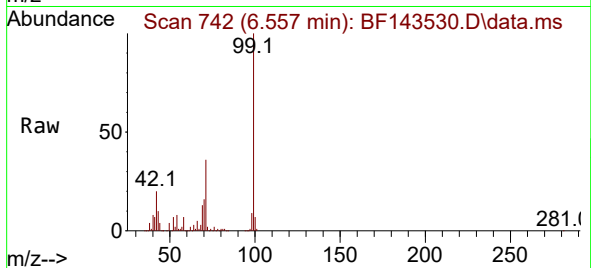
Tgt Ion:112 Resp: 407971
 Ion Ratio Lower Upper
 112 100
 64 64.4 50.4 75.6
 63 33.1 26.4 39.6





#7
Phenol-d6
Concen: 55.320 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

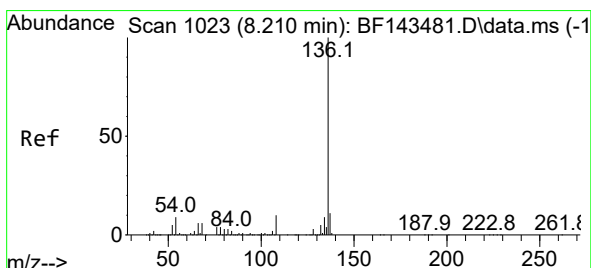
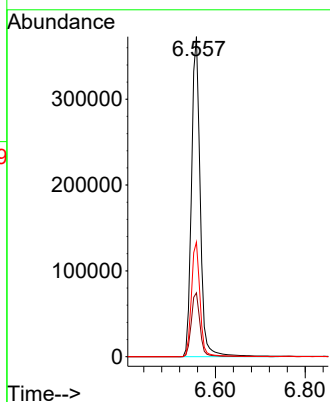
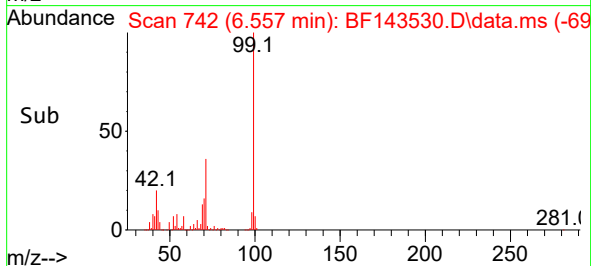
Instrument :
BNA_F
ClientSampleId :
84SB-SRE



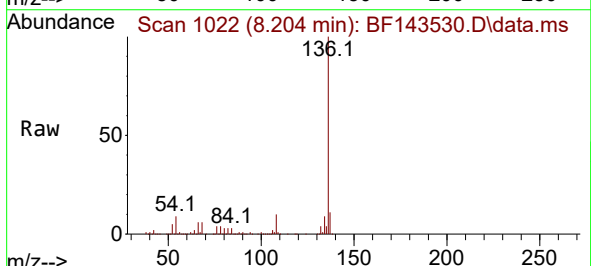
Tgt Ion: 99 Resp: 501868
Ion Ratio Lower Upper
99 100
42 19.9 16.3 24.5
71 35.8 28.2 42.2

Manual Integrations
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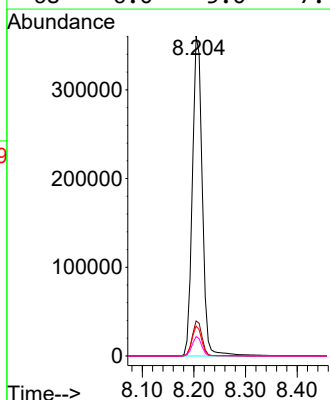
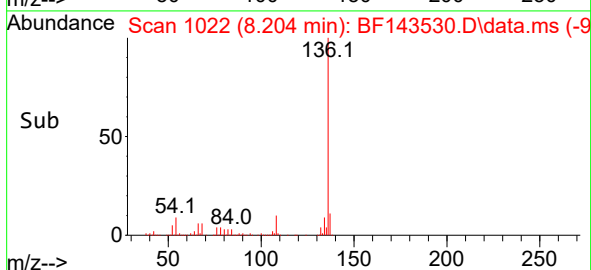
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

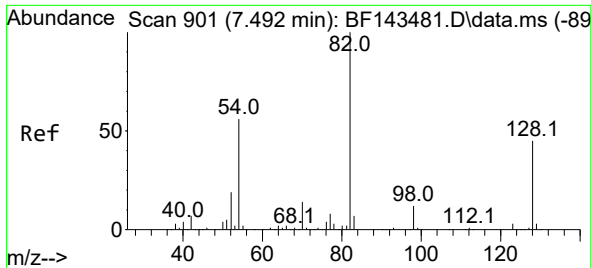


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11



Tgt Ion:136 Resp: 480515
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.3 7.4 11.2
68 6.0 5.0 7.4





#23

Nitrobenzene-d5

Concen: 40.900 ng

RT: 7.481 min Scan# 899

Delta R.T. -0.018 min

Lab File: BF143530.D

Acq: 21 Aug 2025 15:11

Instrument :

BNA_F

ClientSampleId :

84SB-SRE

Tgt Ion: 82 Resp: 33678

Ion Ratio Lower Upper

82 100

128 42.5 35.5 53.3

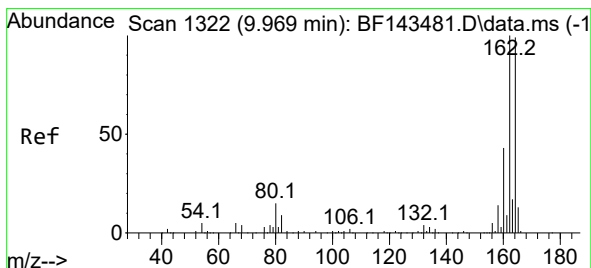
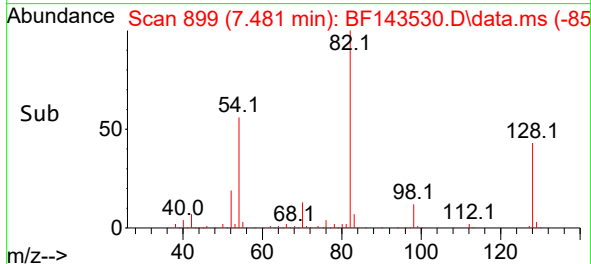
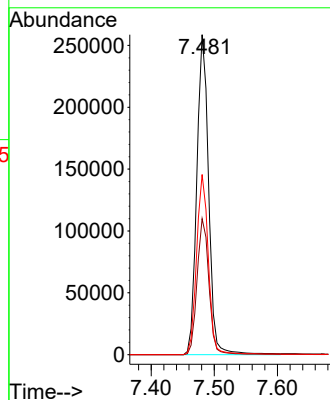
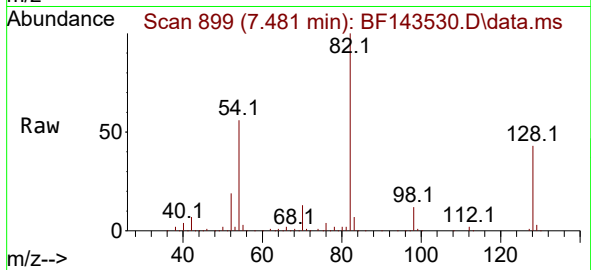
54 56.3 44.3 66.5

Manual Integrations

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143530.D

Acq: 21 Aug 2025 15:11

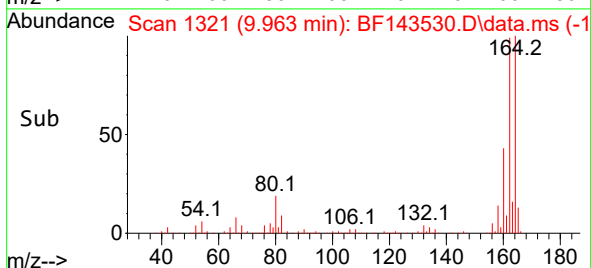
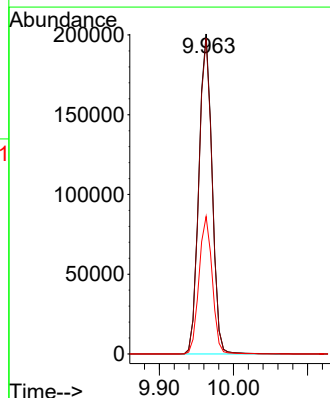
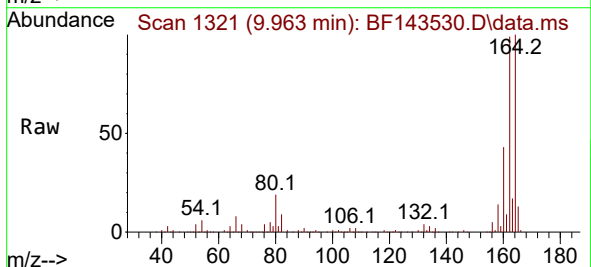
Tgt Ion:164 Resp: 247608

Ion Ratio Lower Upper

164 100

162 98.7 80.5 120.7

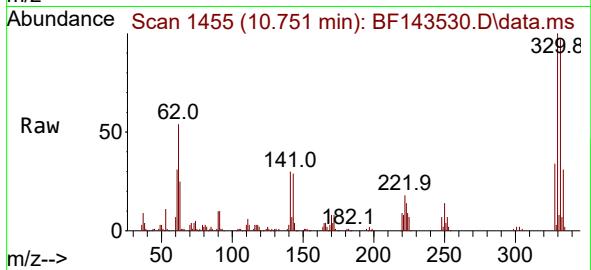
160 43.0 34.3 51.5





#42
2,4,6-Tribromophenol
Concen: 47.494 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

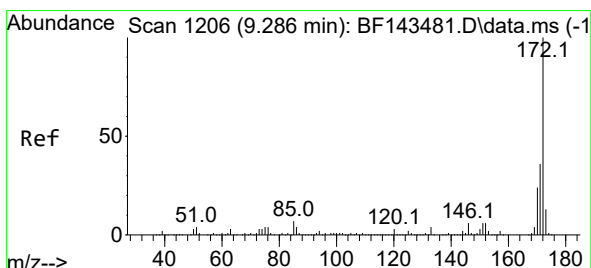
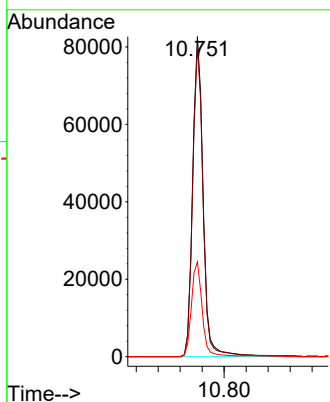
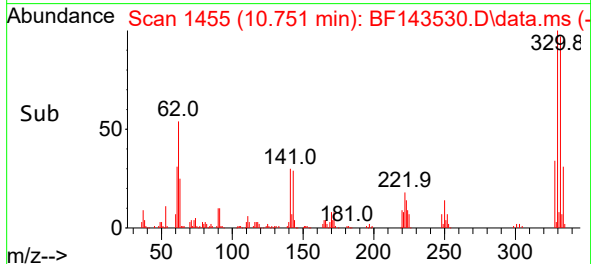
Instrument :
BNA_F
ClientSampleId :
84SB-SRE



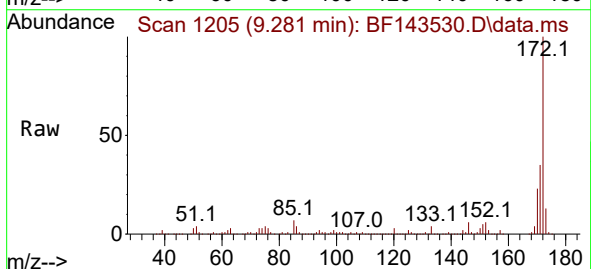
Tgt Ion: 330 Resp: 10946
Ion Ratio Lower Upper
330 100
332 96.5 78.0 117.0
141 30.2 23.7 35.5

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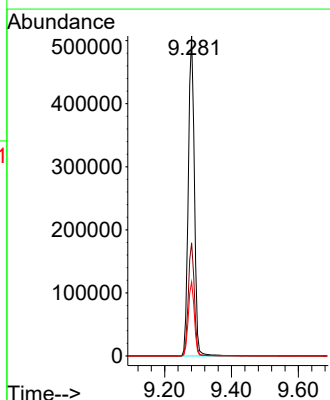
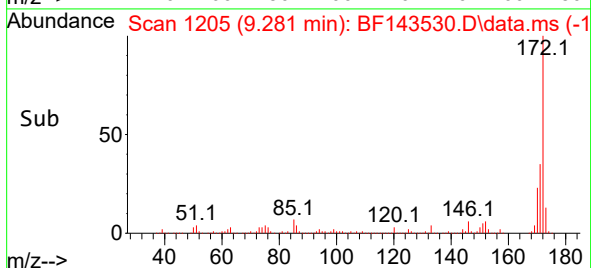
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

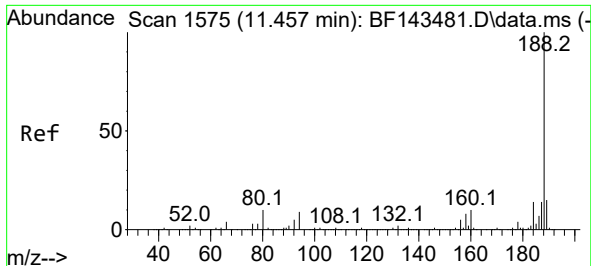


#45
2-Fluorobiphenyl
Concen: 42.556 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11



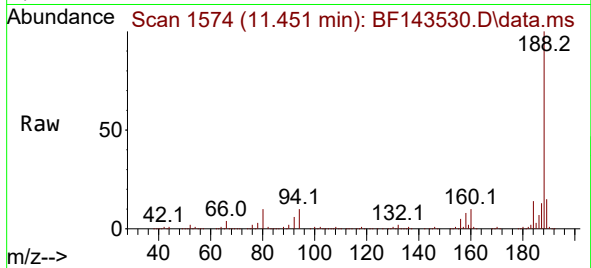
Tgt Ion: 172 Resp: 637584
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 23.1 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

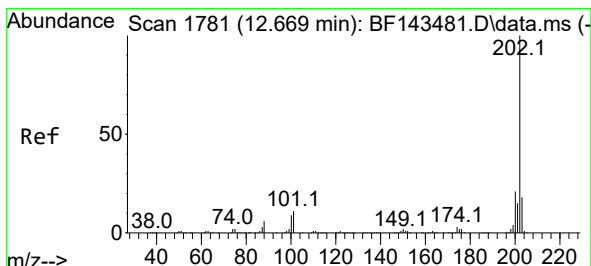
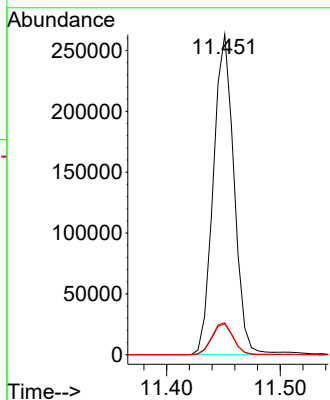
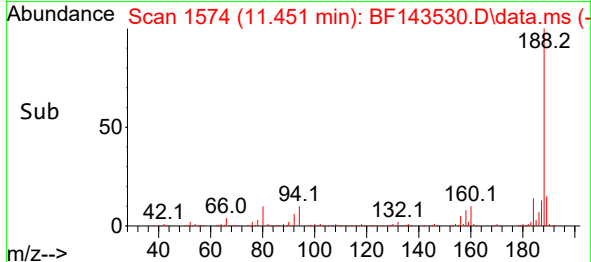
Instrument :
BNA_F
ClientSampleId :
84SB-SRE



Tgt Ion:188 Resp: 332938
Ion Ratio Lower Upper
188 100
94 9.7 7.4 11.2
80 10.0 8.2 12.4

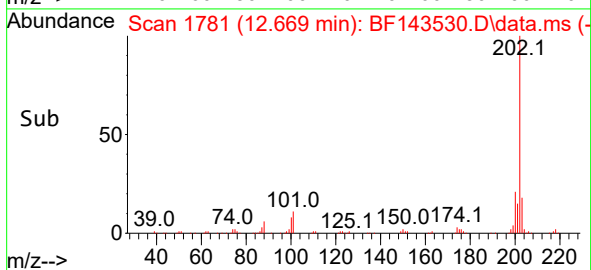
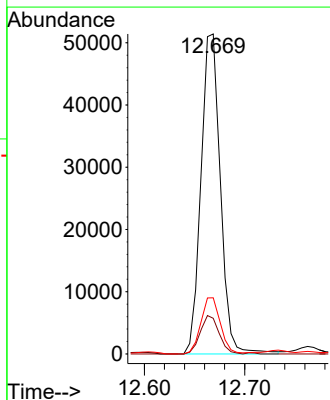
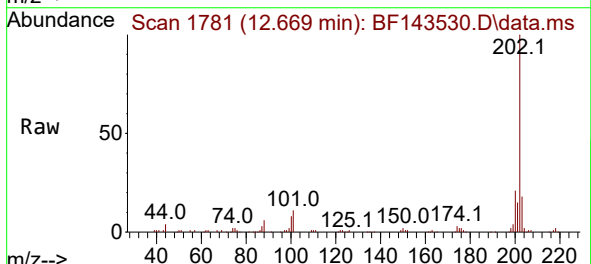
Manual Integrations
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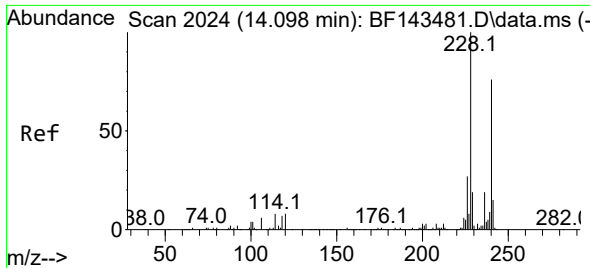
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025



#75
Fluoranthene
Concen: 4.345 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

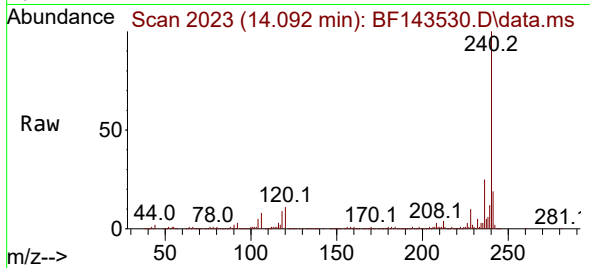
Tgt Ion:202 Resp: 69507
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.3
203 17.6 0.0 37.9





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

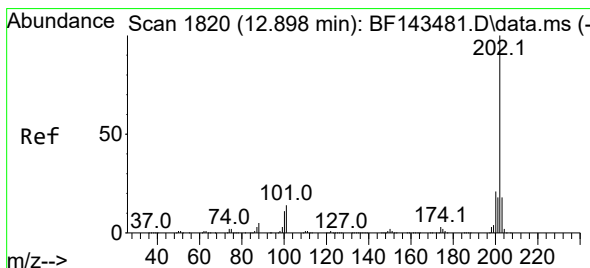
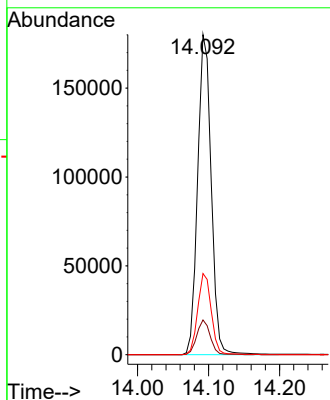
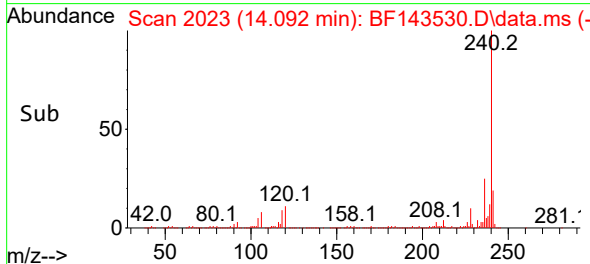
Instrument :
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ClientSampleId :
84SB-SRE



Tgt Ion:240 Resp: 239904
Ion Ratio Lower Upper
240 100
120 10.9 8.6 12.8
236 25.4 20.4 30.6

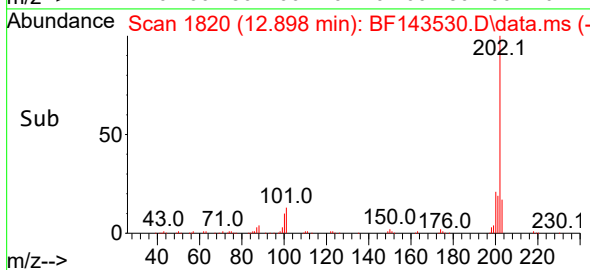
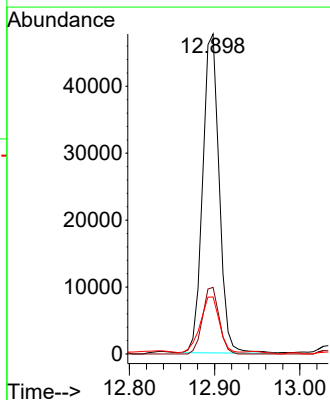
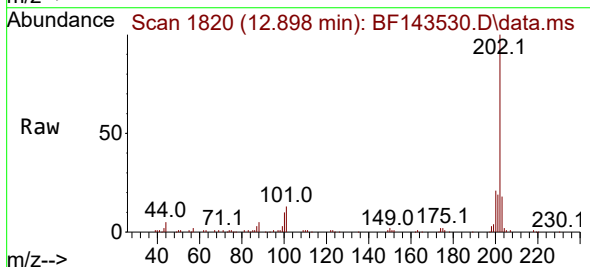
Manual Integrations
APPROVED

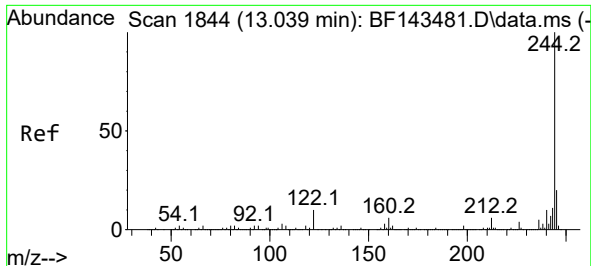
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025



#78
Pyrene
Concen: 3.253 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

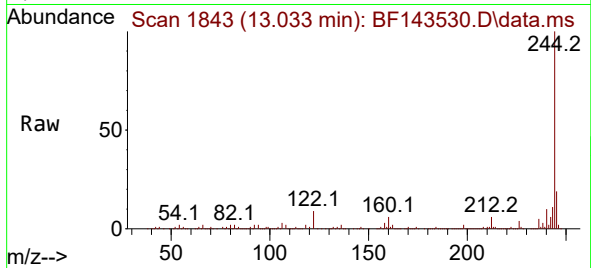
Tgt Ion:202 Resp: 64191
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 17.8 14.3 21.5





#79
 Terphenyl-d14
 Concen: 33.024 ng
 RT: 13.033 min Scan# 1844
 Delta R.T. -0.006 min
 Lab File: BF143530.D
 Acq: 21 Aug 2025 15:11

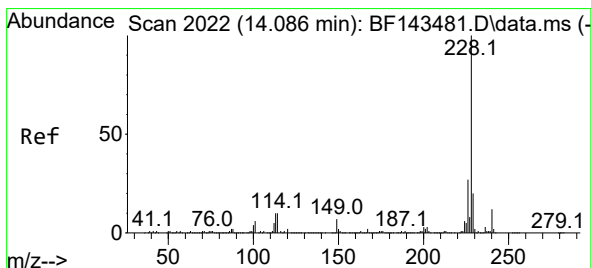
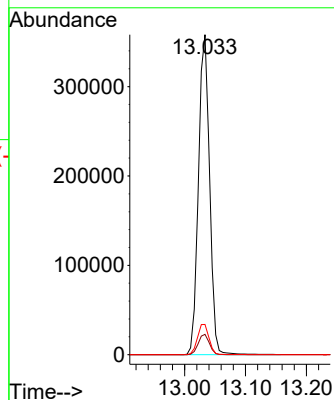
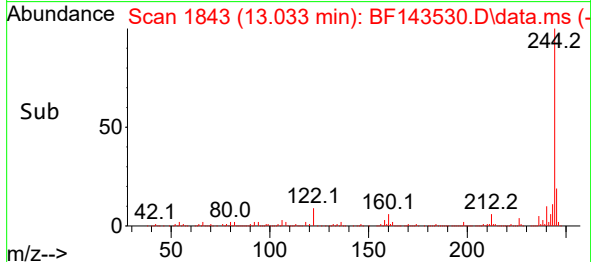
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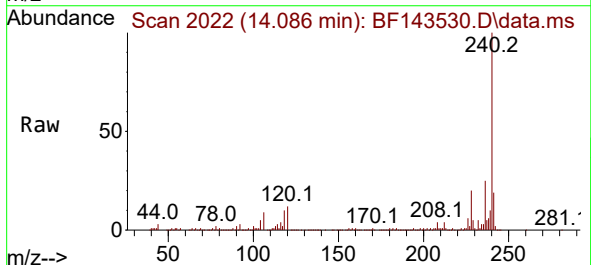
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 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 9.5 7.9 11.9

Manual Integrations
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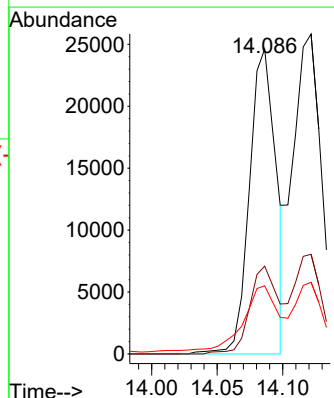
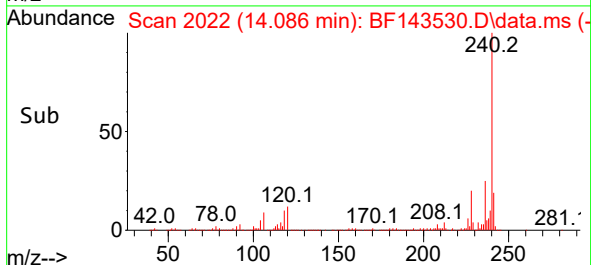
Reviewed By :Rahul Chavli 08/22/2025
 Supervised By :mohammad ahmed 08/22/2025

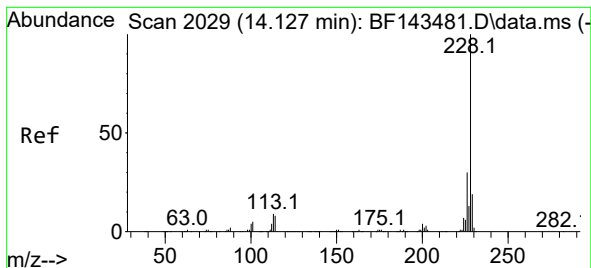


#81
 Benzo(a)anthracene
 Concen: 2.237 ng
 RT: 14.086 min Scan# 2022
 Delta R.T. -0.006 min
 Lab File: BF143530.D
 Acq: 21 Aug 2025 15:11



Tgt Ion:228 Resp: 34552
 Ion Ratio Lower Upper
 228 100
 226 28.8 21.7 32.5
 229 22.3 15.7 23.5





#83

Chrysene

Concen: 2.857 ng

RT: 14.122 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF143530.D

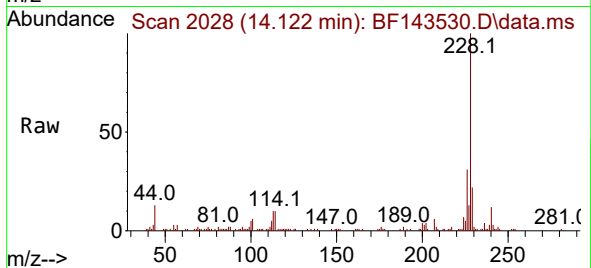
Acq: 21 Aug 2025 15:11

Instrument :

BNA_F

ClientSampleId :

84SB-SRE



Tgt Ion:228 Resp: 39660

Ion Ratio Lower Upper

228 100

226 31.2 23.7 35.5

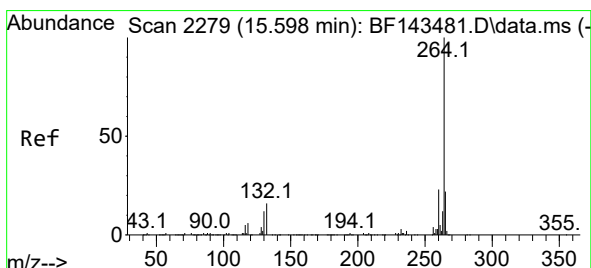
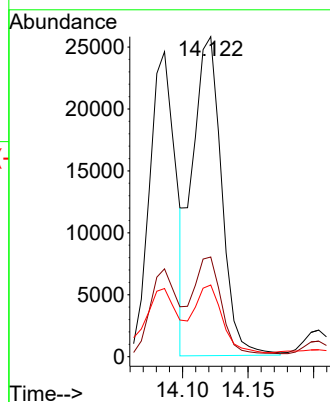
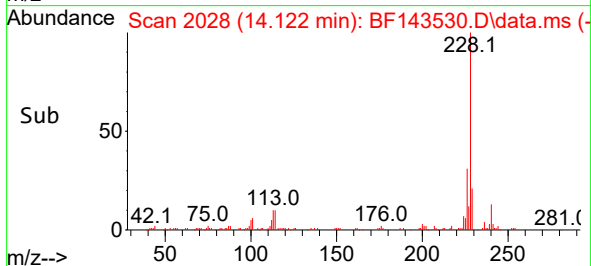
229 22.4 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/22/2025

Supervised By :mohammad ahmed 08/22/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 2278

Delta R.T. -0.006 min

Lab File: BF143530.D

Acq: 21 Aug 2025 15:11

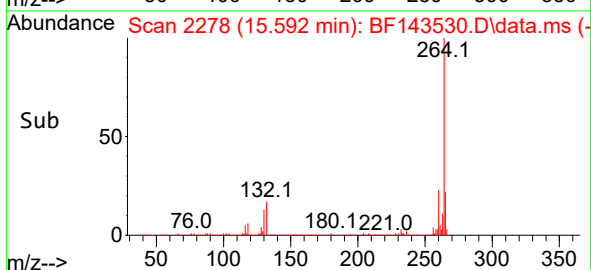
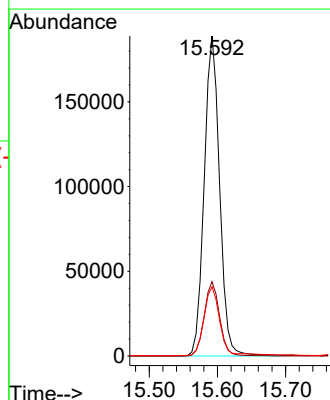
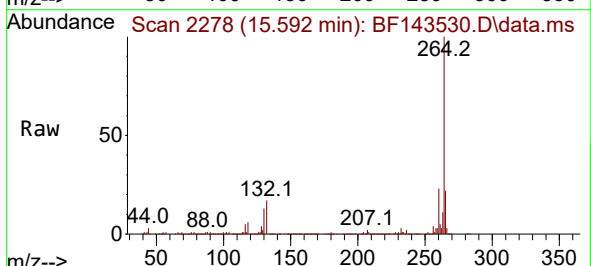
Tgt Ion:264 Resp: 296752

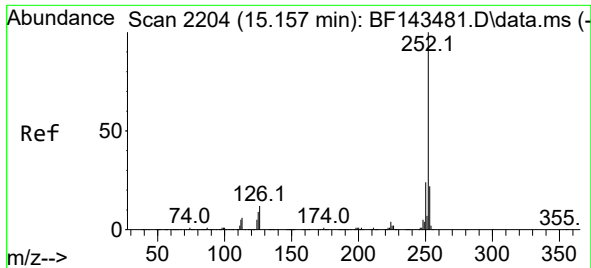
Ion Ratio Lower Upper

264 100

260 23.2 18.7 28.1

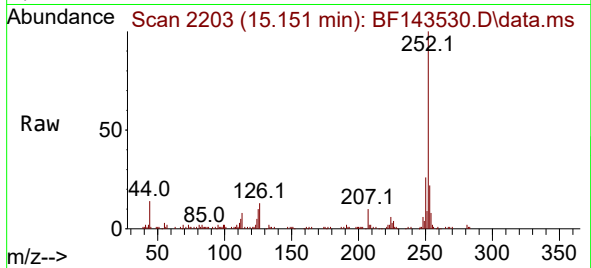
265 21.6 17.6 26.4





#88
Benzo(b)fluoranthene
Concen: 3.628 ng m
RT: 15.151 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

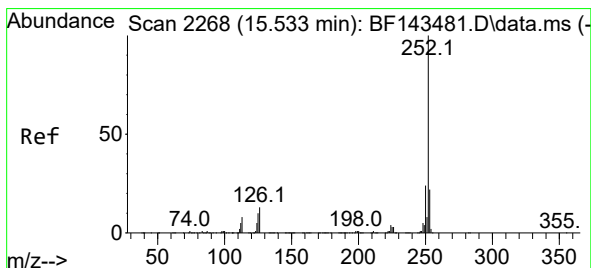
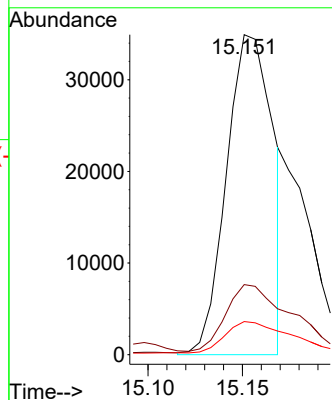
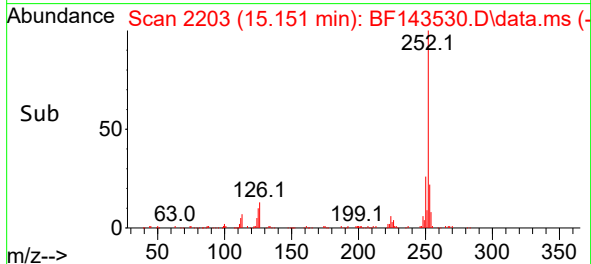
Instrument :
BNA_F
ClientSampleId :
84SB-SRE



Tgt Ion:252 Resp: 5985
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 10.4 7.4 11.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025



#90
Benzo(a)pyrene
Concen: 2.524 ng
RT: 15.527 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF143530.D
Acq: 21 Aug 2025 15:11

Tgt Ion:252 Resp: 38651
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.0
125 11.4 8.2 12.2

