

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143531.D
 Acq On : 21 Aug 2025 15:40
 Operator : RC/JU
 Sample : Q2819-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 84SB-W

Manual Integrations
 APPROVED

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

Quant Time: Aug 21 16:21:31 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	6.922	152	122249	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	463361	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	234484	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	317712	20.000	ng	0.00
76) Chrysene-d12	14.092	240	229692	20.000	ng	-0.01
86) Perylene-d12	15.592	264	283075	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	483086	69.002	ng	0.00
7) Phenol-d6	6.557	99	604566	69.954	ng	-0.02
23) Nitrobenzene-d5	7.481	82	403850	50.860	ng	-0.02
42) 2,4,6-Tribromophenol	10.751	330	136637	62.600	ng	-0.01
45) 2-Fluorobiphenyl	9.281	172	726749	51.222	ng	0.00
79) Terphenyl-d14	13.033	244	491548	37.344	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	11.475	178	65872	3.872	ng	99
75) Fluoranthene	12.669	202	79522	5.209	ng	99
78) Pyrene	12.898	202	65892	3.487	ng	98
81) Benzo(a)anthracene	14.086	228	35019	2.368	ng	99
83) Chrysene	14.121	228	29650	2.231	ng	98
88) Benzo(b)fluoranthene	15.157	252	38002m	2.415	ng	

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

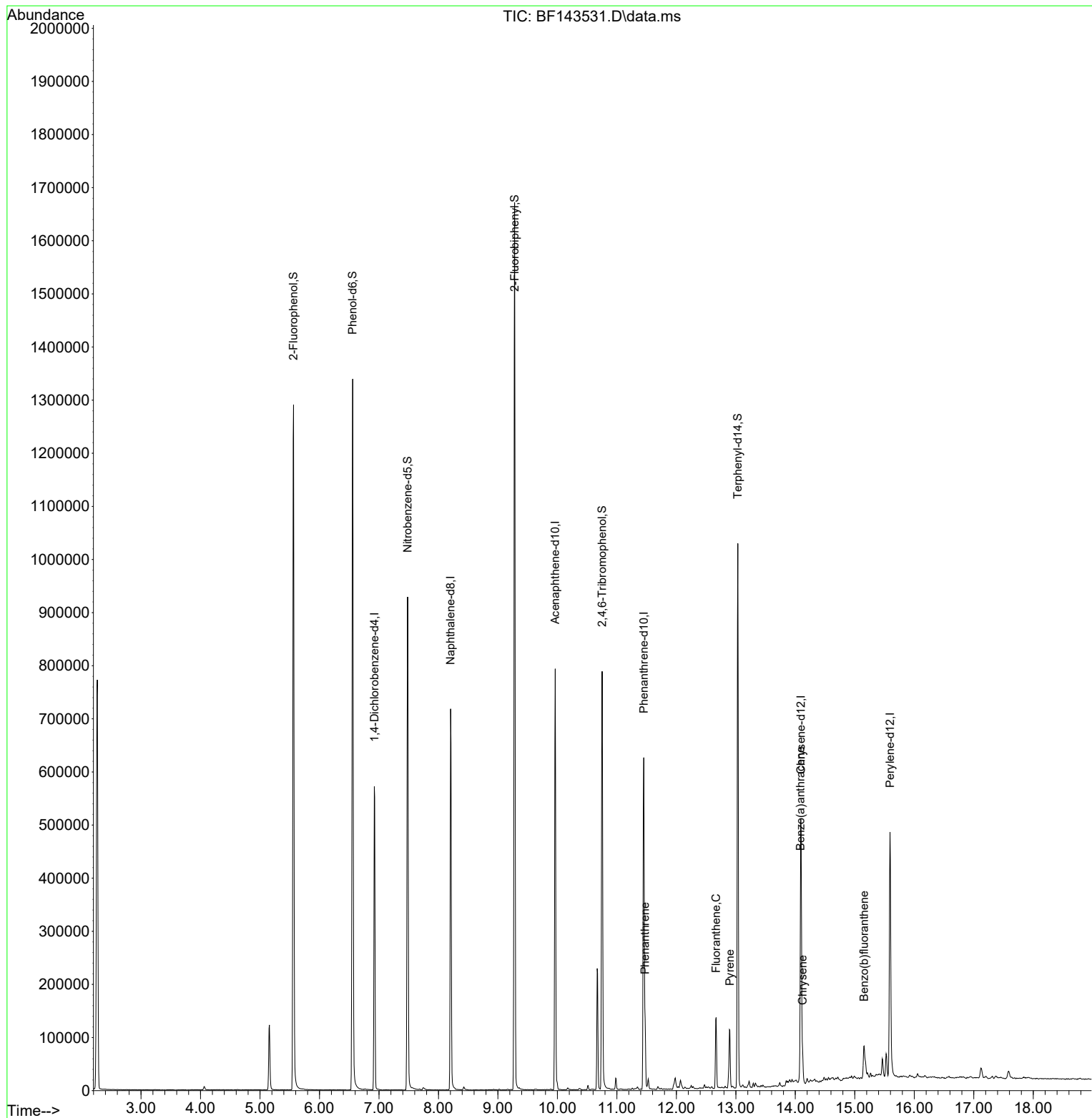
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
Data File : BF143531.D
Acq On : 21 Aug 2025 15:40
Operator : RC/JU
Sample : Q2819-11
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
84SB-W

Quant Time: Aug 21 16:21:31 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

Manual Integrations
APPROVED

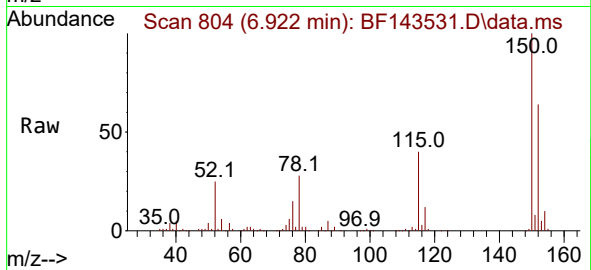
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.922 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

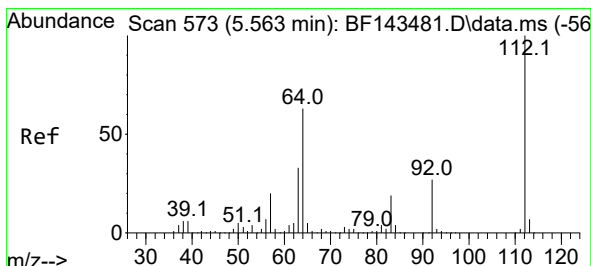
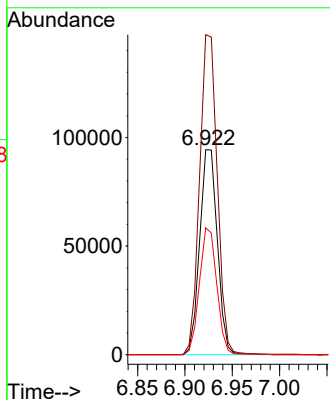
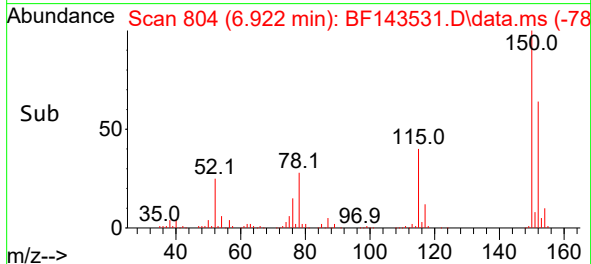
Instrument :
BNA_F
ClientSampleId :
84SB-W



Tgt Ion:152 Resp: 122249
Ion Ratio Lower Upper
152 100
150 156.1 128.9 193.3
115 61.9 49.2 73.8

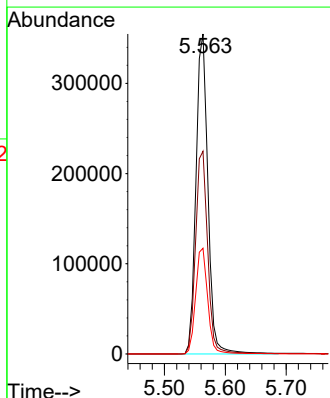
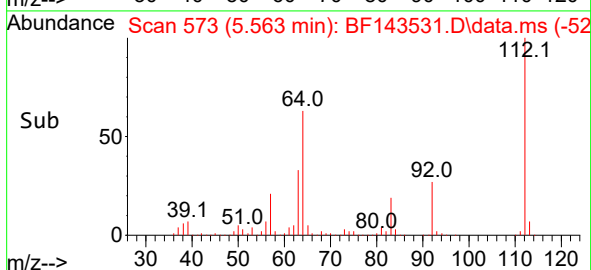
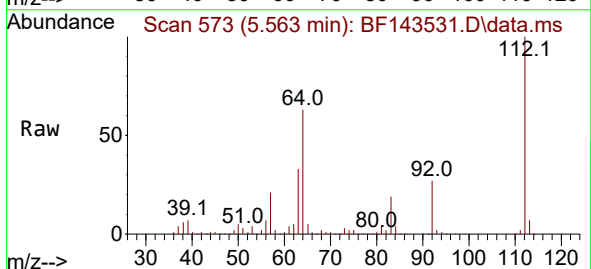
Manual Integrations
APPROVED

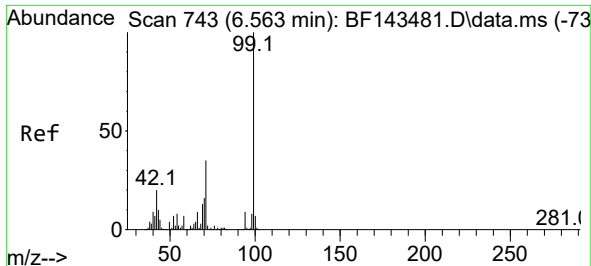
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025



#5
2-Fluorophenol
Concen: 69.002 ng
RT: 5.563 min Scan# 573
Delta R.T. 0.000 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

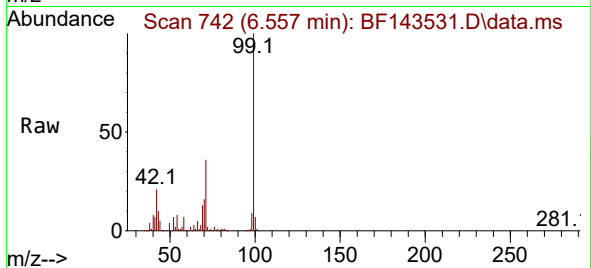
Tgt Ion:112 Resp: 483086
Ion Ratio Lower Upper
112 100
64 63.3 50.4 75.6
63 33.1 26.4 39.6





#7
Phenol-d6
Concen: 69.954 ng
RT: 6.557 min Scan# 743
Delta R.T. -0.018 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

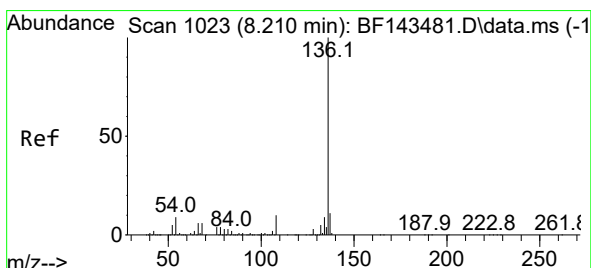
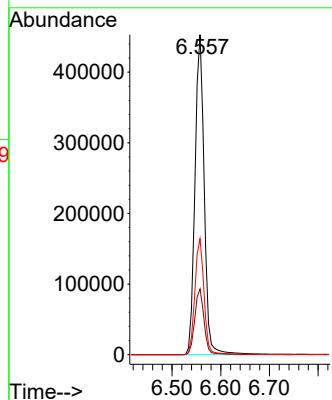
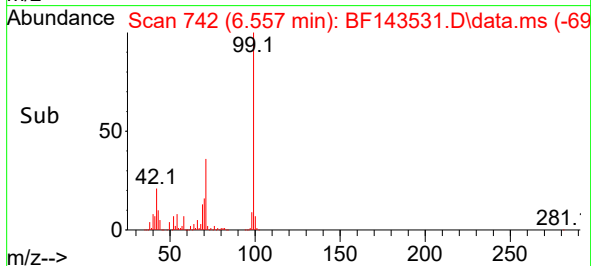
Instrument :
BNA_F
ClientSampleId :
84SB-W



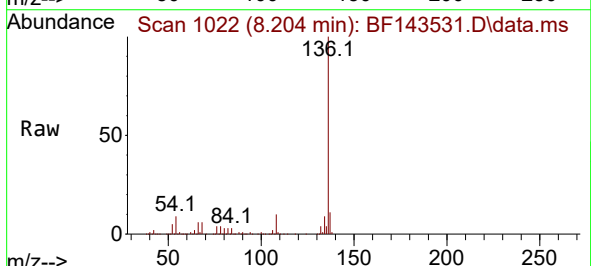
Tgt Ion: 99 Resp: 604560
Ion Ratio Lower Upper
99 100
42 20.5 16.3 24.5
71 36.3 28.2 42.2

Manual Integrations
APPROVED

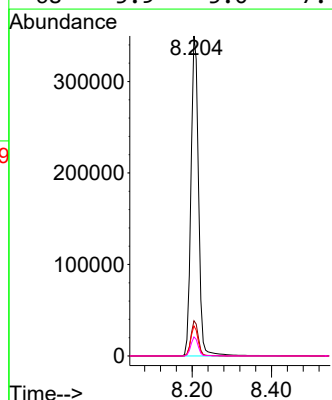
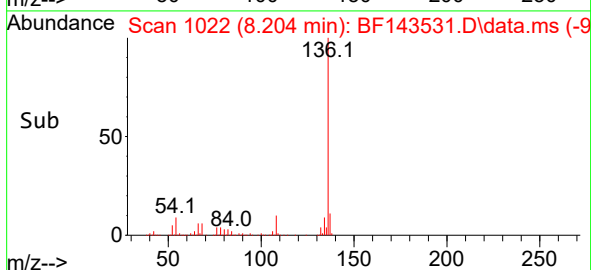
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

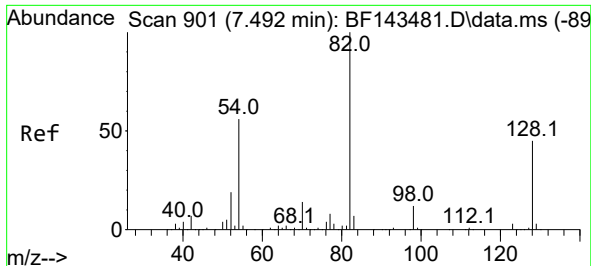


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40



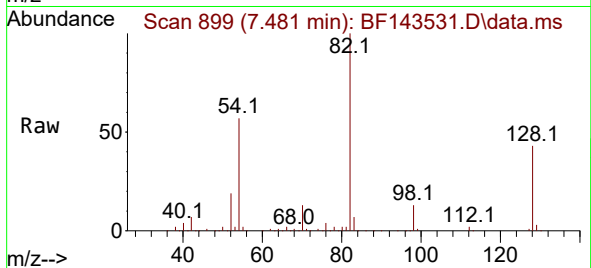
Tgt Ion:136 Resp: 463361
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 9.4 7.4 11.2
68 5.9 5.0 7.4





#23
Nitrobenzene-d5
Concen: 50.860 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

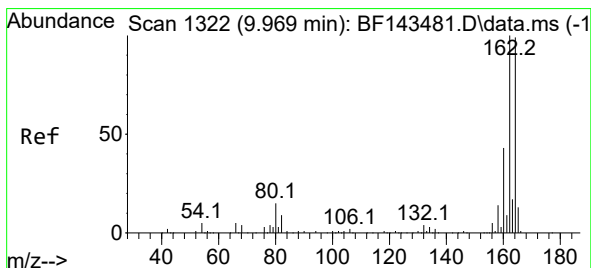
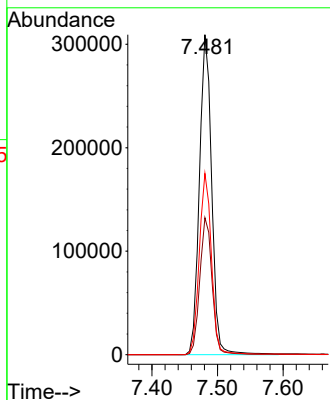
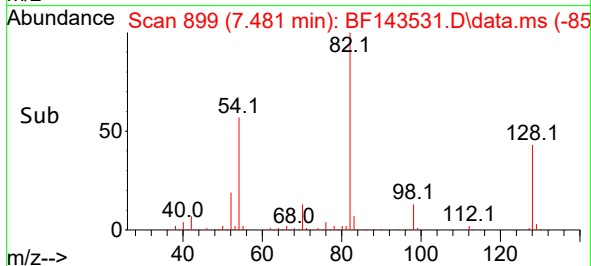
Instrument :
BNA_F
ClientSampleId :
84SB-W



Tgt Ion: 82 Resp: 403850
Ion Ratio Lower Upper
82 100
128 42.8 35.5 53.3
54 56.7 44.3 66.5

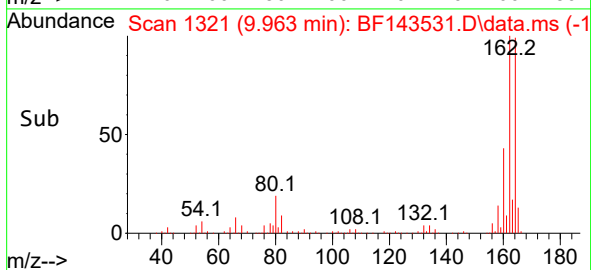
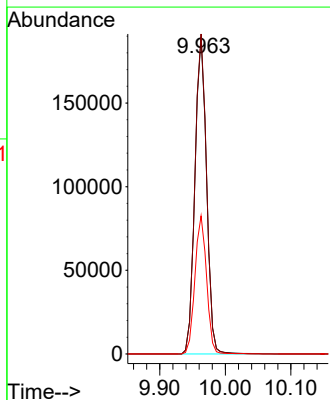
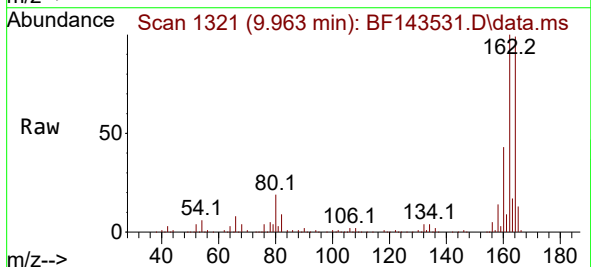
Manual Integrations
APPROVED

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



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

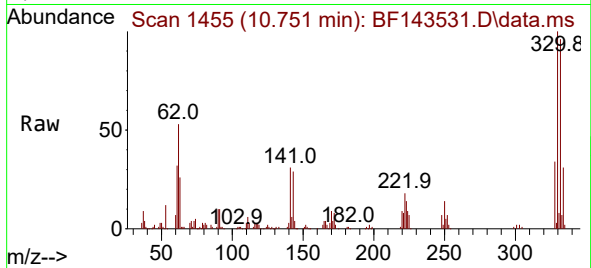
Tgt Ion:164 Resp: 234484
Ion Ratio Lower Upper
164 100
162 101.1 80.5 120.7
160 43.6 34.3 51.5





#42
2,4,6-Tribromophenol
Concen: 62.600 ng
RT: 10.751 min Scan# 1456
Delta R.T. -0.012 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

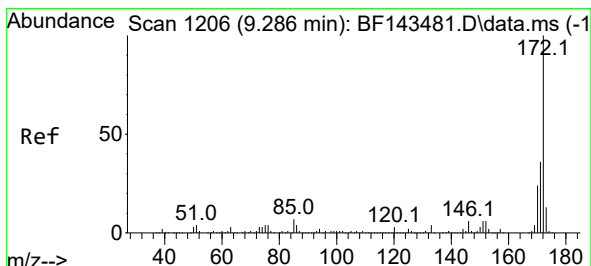
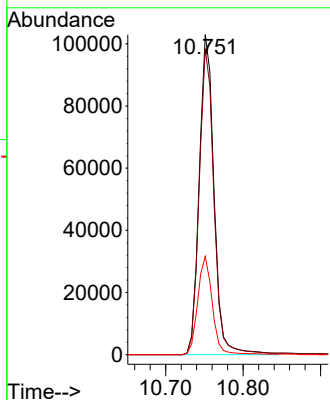
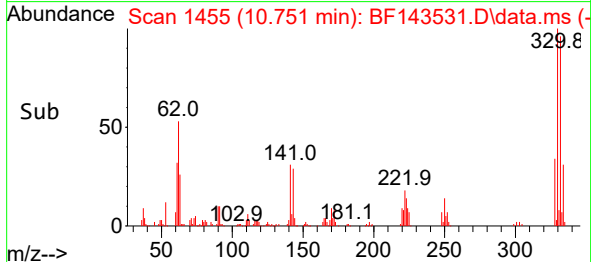
Instrument :
BNA_F
ClientSampleId :
84SB-W



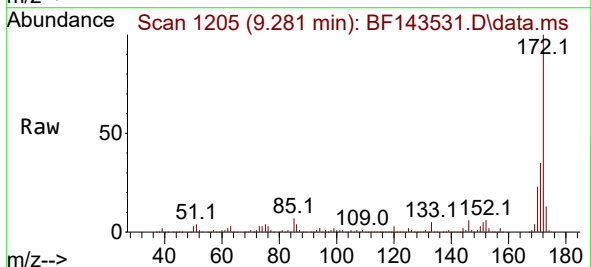
Tgt Ion: 330 Resp: 13663
Ion Ratio Lower Upper
330 100
332 96.0 78.0 117.0
141 30.4 23.7 35.5

Manual Integrations
APPROVED

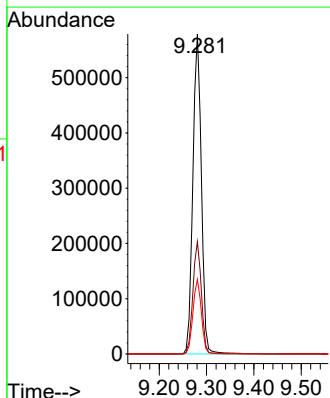
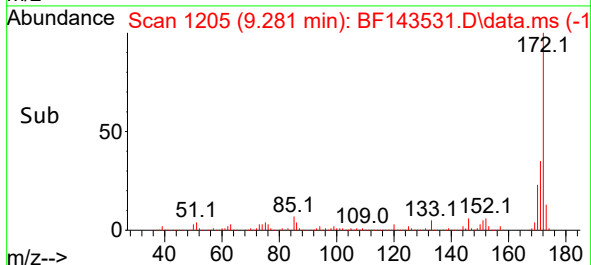
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

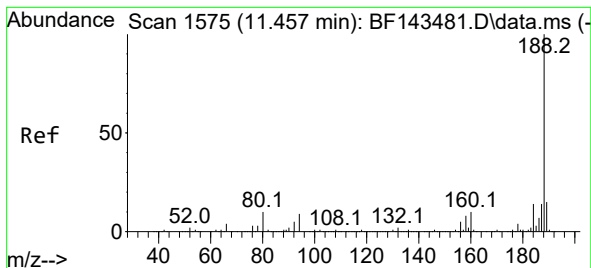


#45
2-Fluorobiphenyl
Concen: 51.222 ng
RT: 9.281 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40



Tgt Ion: 172 Resp: 726749
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.3 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.451 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

Instrument :

BNA_F

ClientSampleId :

84SB-W

Tgt Ion:188 Resp: 31771

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

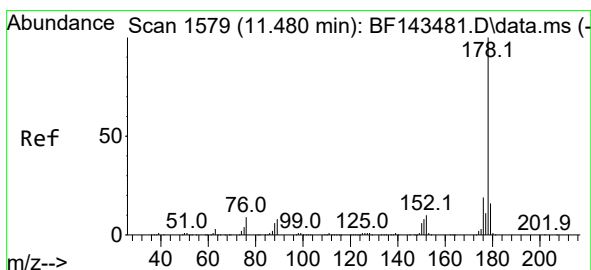
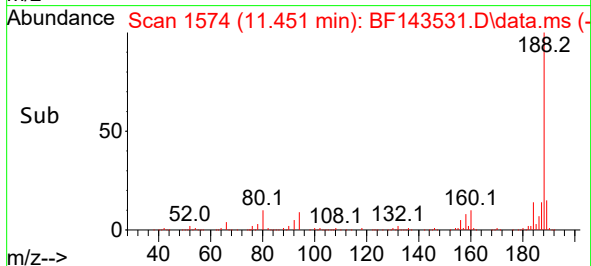
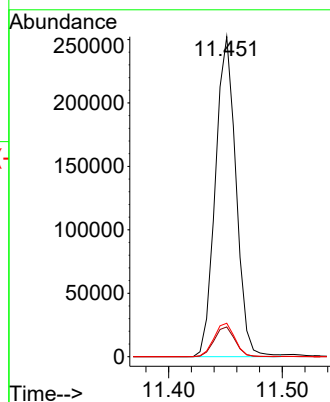
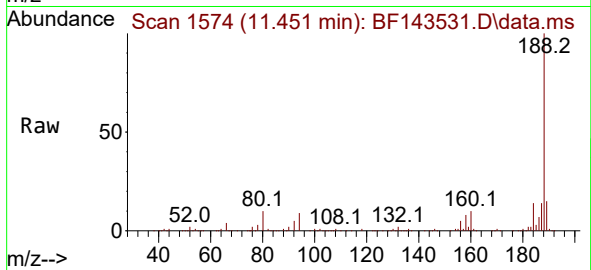
80 10.5 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/22/2025

Supervised By :mohammad ahmed 08/22/2025



#71

Phenanthrene

Concen: 3.872 ng

RT: 11.475 min Scan# 1578

Delta R.T. -0.006 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

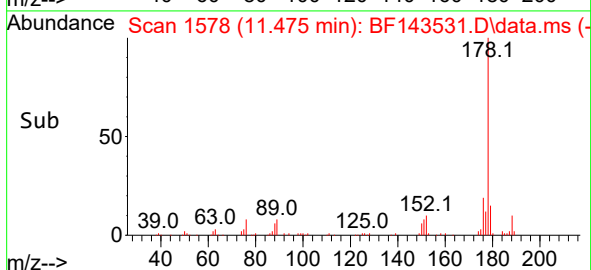
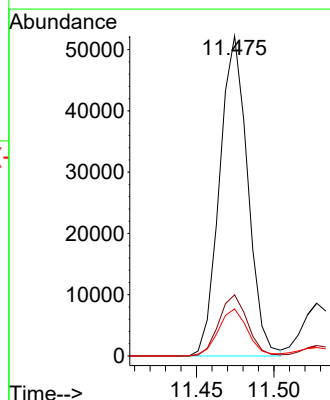
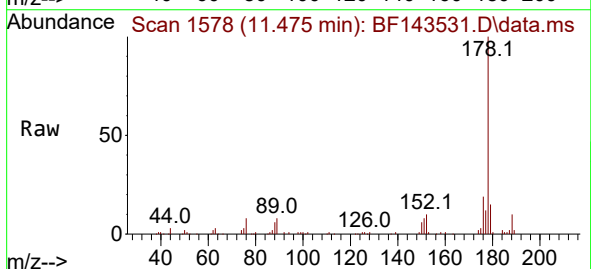
Tgt Ion:178 Resp: 65872

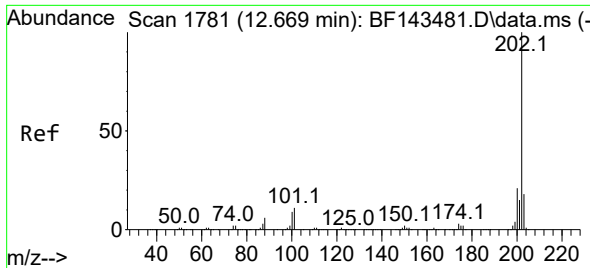
Ion Ratio Lower Upper

178 100

176 19.1 15.5 23.3

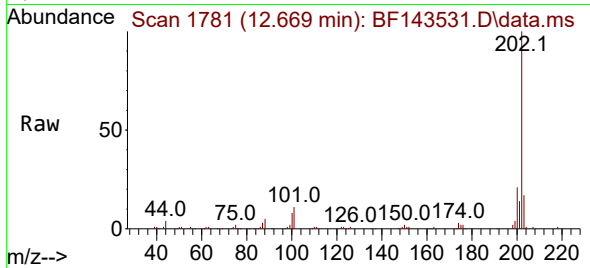
179 14.7 12.5 18.7





#75
Fluoranthene
Concen: 5.209 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

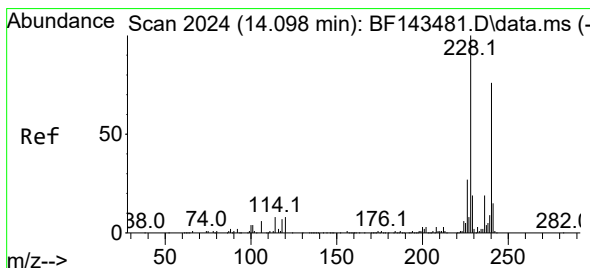
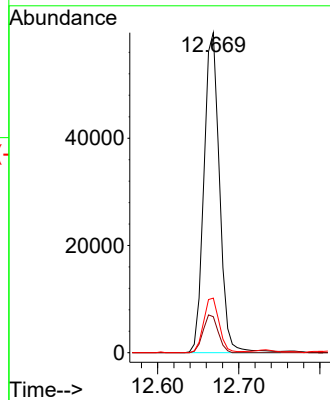
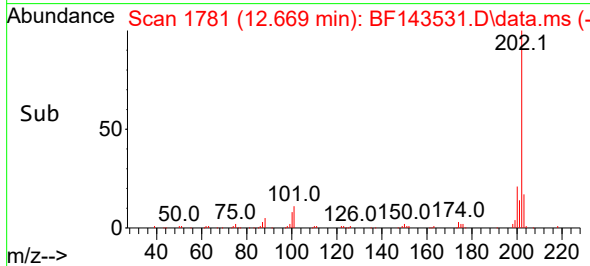
Instrument :
BNA_F
ClientSampleId :
84SB-W



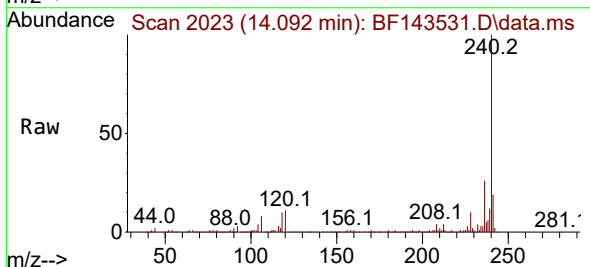
Tgt Ion:202 Resp: 7952
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.3
203 17.1 0.0 37.9

Manual Integrations
APPROVED

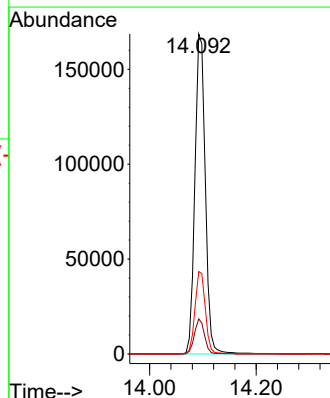
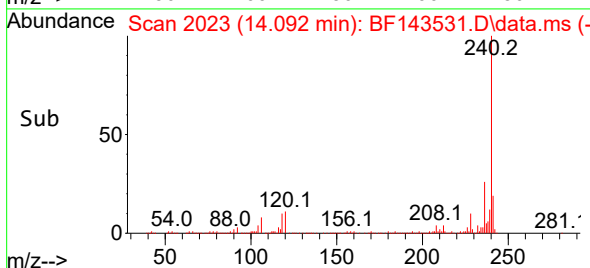
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

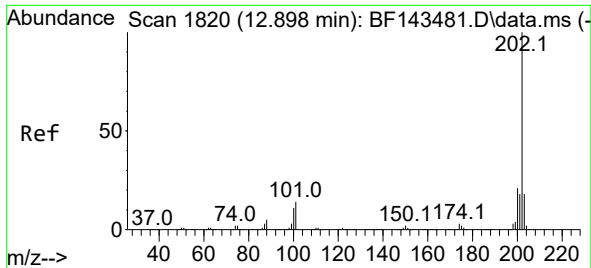


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.012 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40



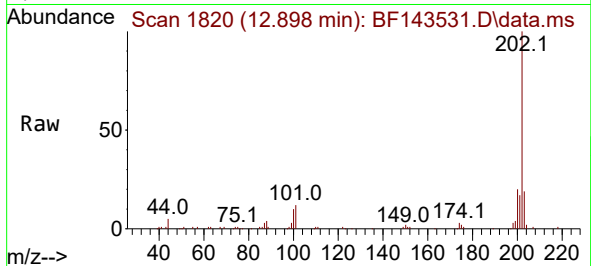
Tgt Ion:240 Resp: 229692
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 25.8 20.4 30.6





#78
Pyrene
Concen: 3.487 ng
RT: 12.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

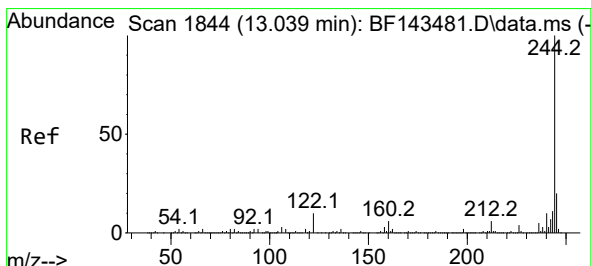
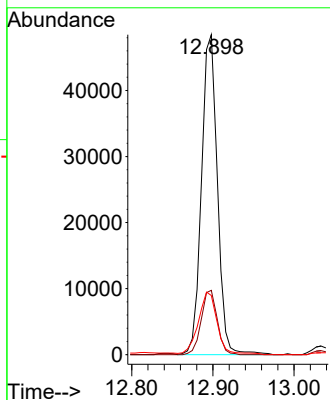
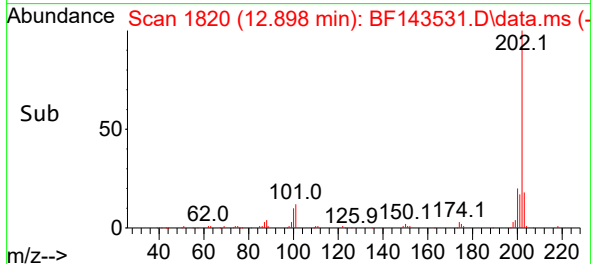
Instrument :
BNA_F
ClientSampleId :
84SB-W



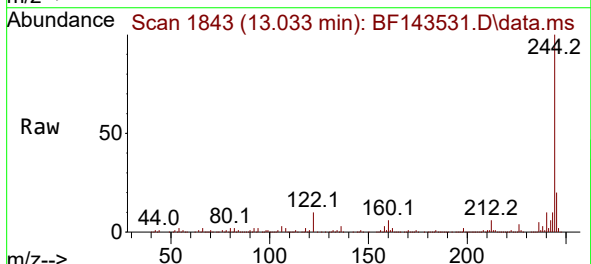
Tgt Ion:202 Resp: 65892
Ion Ratio Lower Upper
202 100
200 20.1 17.0 25.4
203 18.5 14.3 21.5

Manual Integrations
APPROVED

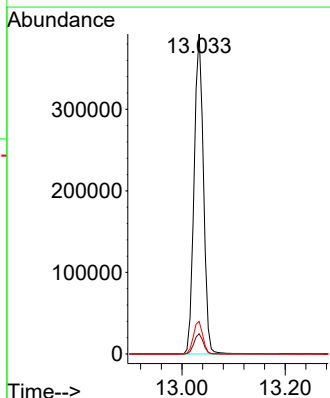
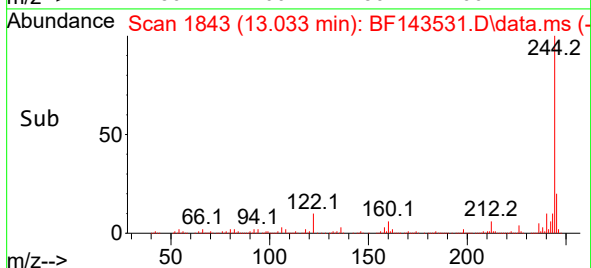
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

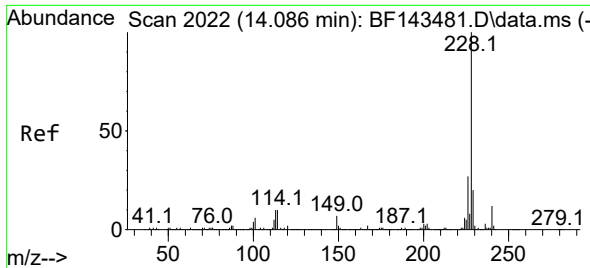


#79
Terphenyl-d14
Concen: 37.344 ng
RT: 13.033 min Scan# 1843
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40



Tgt Ion:244 Resp: 491548
Ion Ratio Lower Upper
244 100
212 6.3 5.2 7.8
122 10.2 7.9 11.9





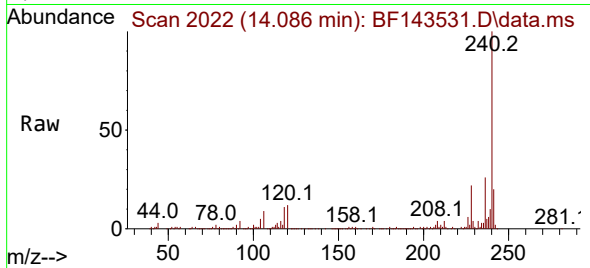
#81
Benzo(a)anthracene
Concen: 2.368 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40

Instrument :

BNA_F

ClientSampleId :

84SB-W

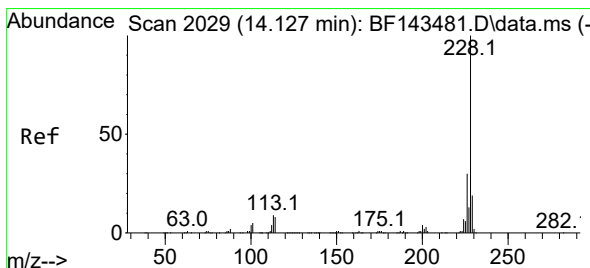
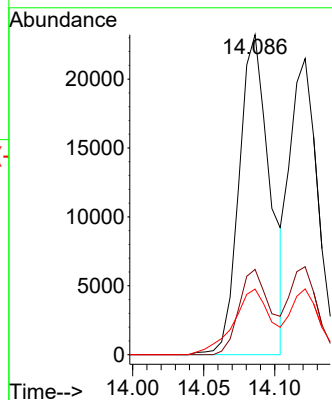
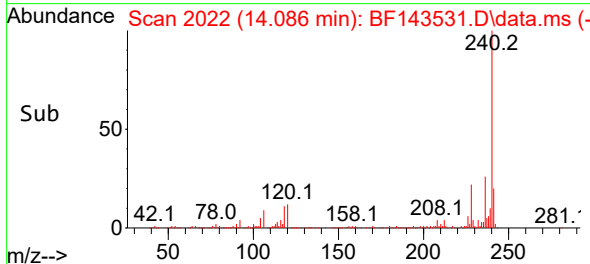


Tgt Ion:228 Resp: 35019
Ion Ratio Lower Upper
228 100
226 26.6 21.7 32.5
229 20.5 15.7 23.5

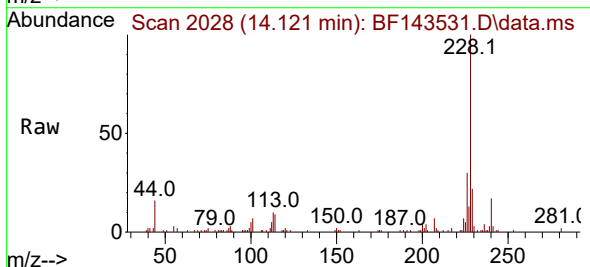
Manual Integrations

APPROVED

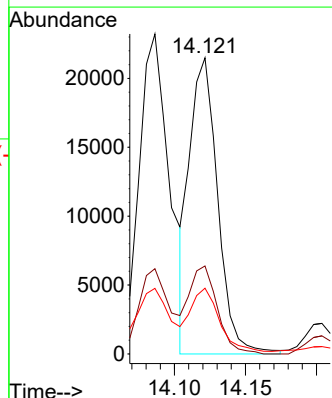
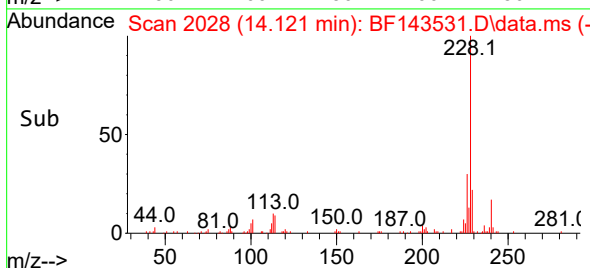
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

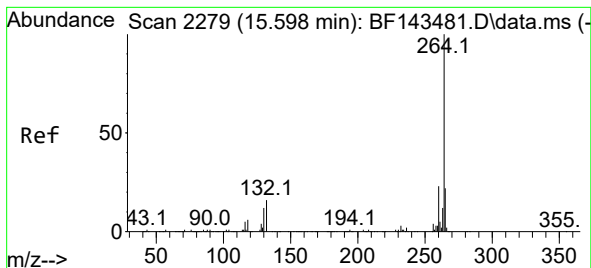


#83
Chrysene
Concen: 2.231 ng
RT: 14.121 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF143531.D
Acq: 21 Aug 2025 15:40



Tgt Ion:228 Resp: 29650
Ion Ratio Lower Upper
228 100
226 29.7 23.7 35.5
229 22.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.592 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

Instrument :

BNA_F

ClientSampleId :

84SB-W

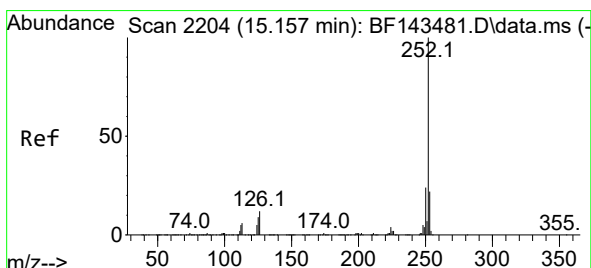
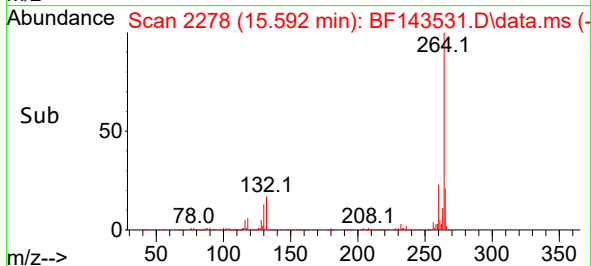
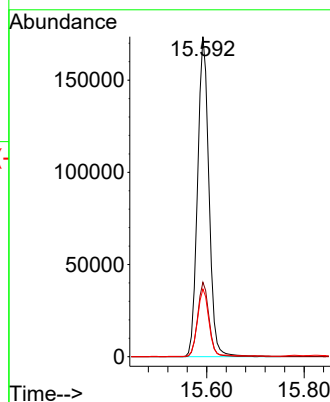
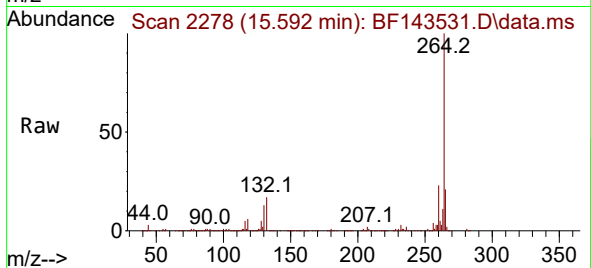
Tgt Ion:264 Resp: 283075
 Ion Ratio Lower Upper
 264 100
 260 23.2 18.7 28.1
 265 21.2 17.6 26.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/22/2025

Supervised By :mohammad ahmed 08/22/2025



#88

Benzo(b)fluoranthene

Concen: 2.415 ng m

RT: 15.157 min Scan# 2204

Delta R.T. 0.000 min

Lab File: BF143531.D

Acq: 21 Aug 2025 15:40

Tgt Ion:252 Resp: 38002
 Ion Ratio Lower Upper
 252 100
 253 23.7 17.5 26.3
 125 10.6 7.4 11.0

