

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
 Data File : BF143533.D
 Acq On : 21 Aug 2025 16:38
 Operator : RC/JU
 Sample : Q2819-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 22BP-N

Manual Integrations
 APPROVED

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

Quant Time: Aug 21 17:25:36 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	112966	20.000	ng	0.00
21) Naphthalene-d8	8.204	136	428039	20.000	ng	0.00
39) Acenaphthene-d10	9.963	164	220061	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	314605	20.000	ng	0.00
76) Chrysene-d12	14.092	240	220570	20.000	ng	-0.01
86) Perylene-d12	15.592	264	260684	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	842597	130.244	ng	0.00
7) Phenol-d6	6.563	99	1086824	136.089	ng	-0.01
23) Nitrobenzene-d5	7.486	82	713328	97.248	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	273720	133.623	ng	0.00
45) 2-Fluorobiphenyl	9.280	172	1249277	93.822	ng	0.00
79) Terphenyl-d14	13.033	244	963544	76.231	ng	0.00
Target Compounds						
75) Fluoranthene	12.668	202	48638	3.217	ng	99
78) Pyrene	12.898	202	37910	2.089	ng	98

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

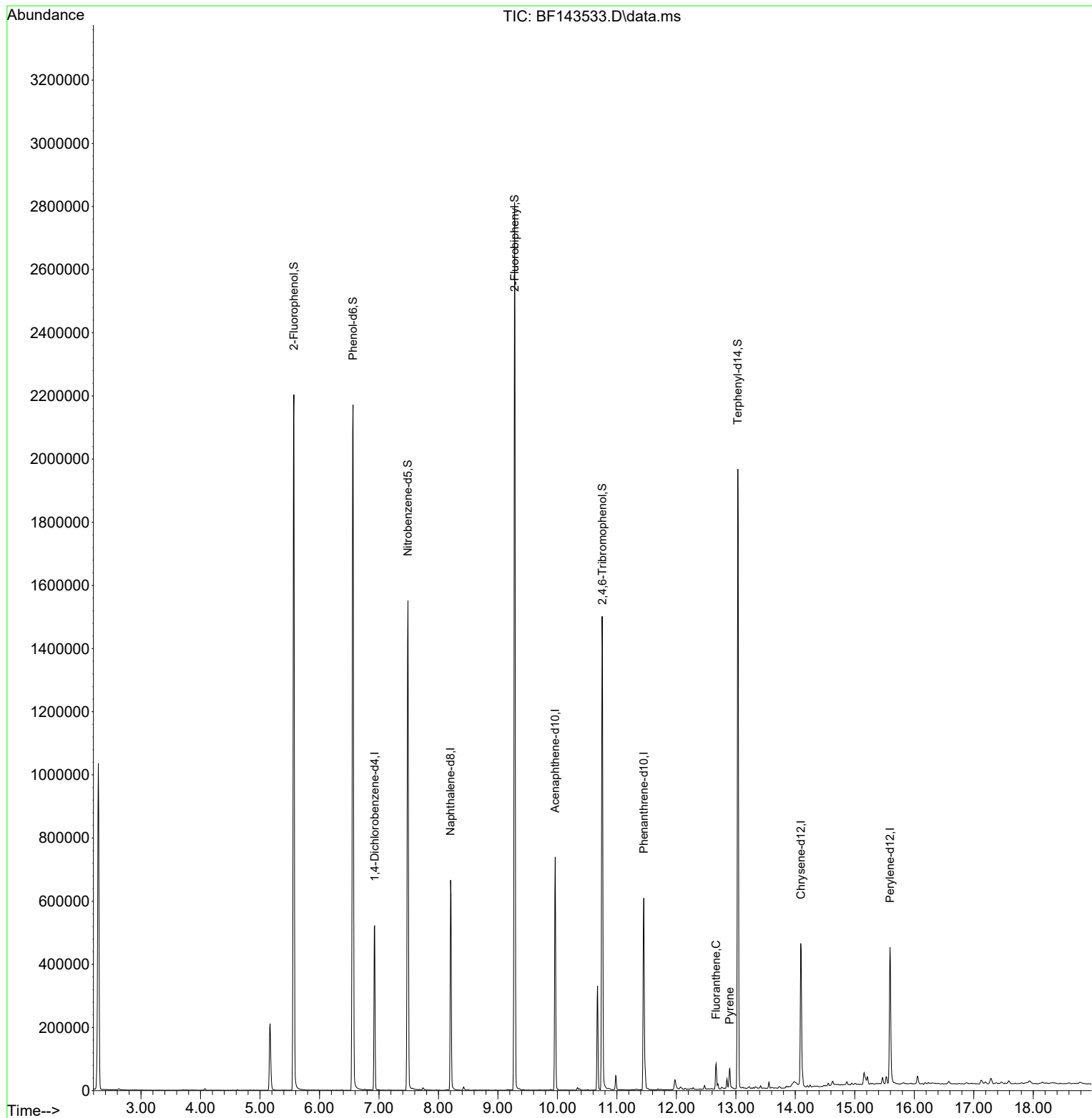
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082125\
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Operator : RC/JU
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QLast Update : Thu Aug 21 06:12:21 2025
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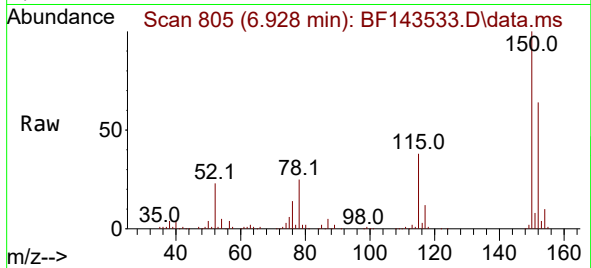
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143533.D
 Acq: 21 Aug 2025 16:38

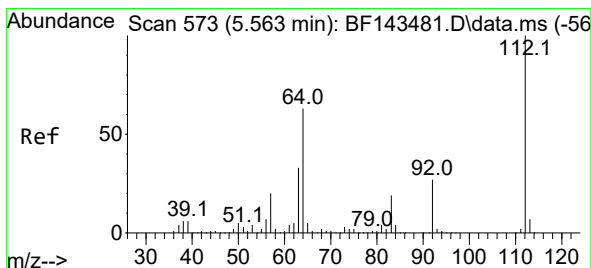
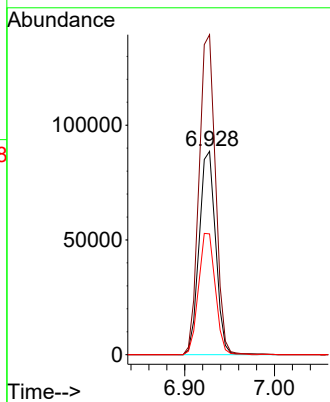
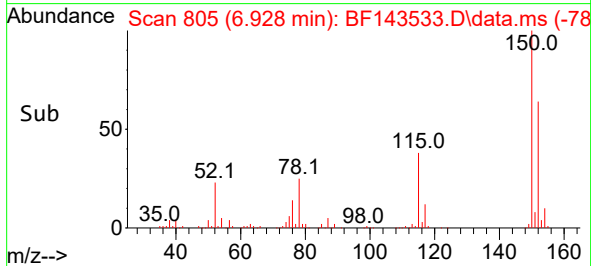
Instrument :
 BNA_F
 ClientSampleId :
 22BP-N



Tgt Ion:152 Resp: 112960
 Ion Ratio Lower Upper
 152 100
 150 157.3 128.9 193.3
 115 59.4 49.2 73.8

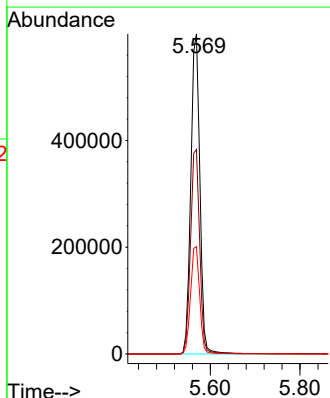
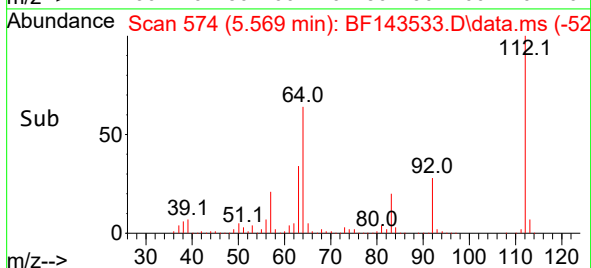
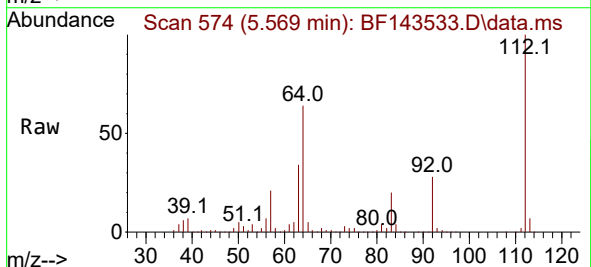
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#5
 2-Fluorophenol
 Concen: 130.244 ng
 RT: 5.569 min Scan# 574
 Delta R.T. 0.006 min
 Lab File: BF143533.D
 Acq: 21 Aug 2025 16:38

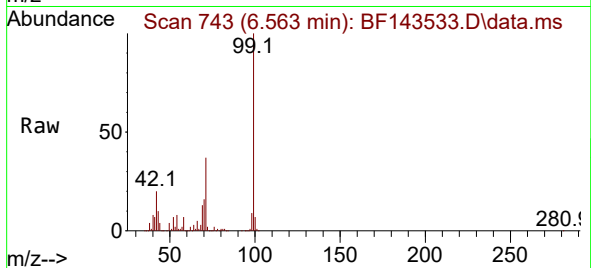
Tgt Ion:112 Resp: 842597
 Ion Ratio Lower Upper
 112 100
 64 63.9 50.4 75.6
 63 33.5 26.4 39.6





#7
Phenol-d6
Concen: 136.089 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

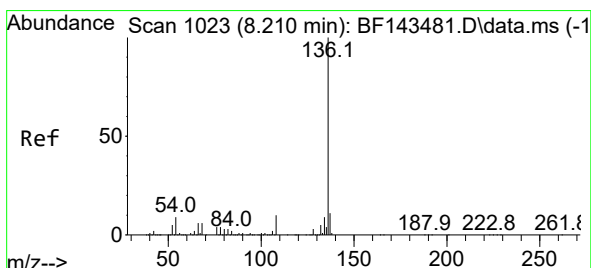
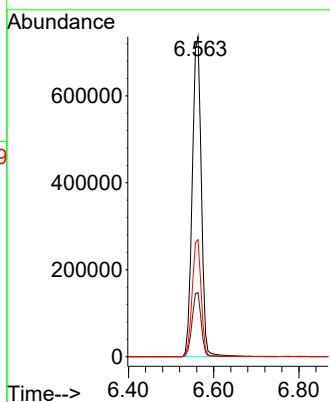
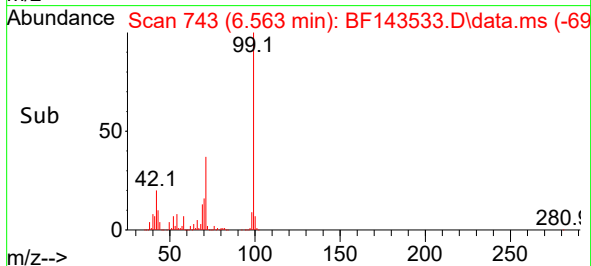
Instrument :
BNA_F
ClientSampleId :
22BP-N



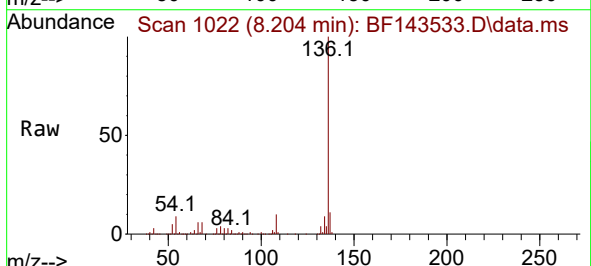
Tgt Ion: 99 Resp: 1086824
Ion Ratio Lower Upper
99 100
42 20.0 16.3 24.5
71 36.5 28.2 42.2

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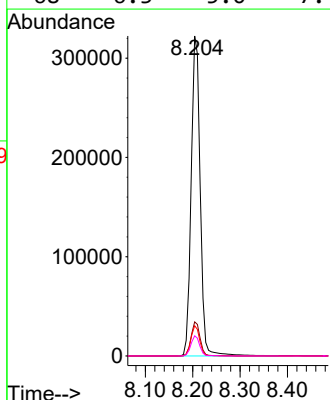
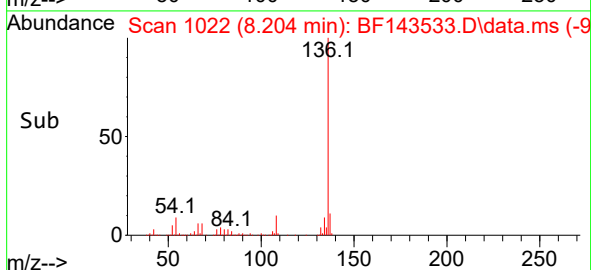
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

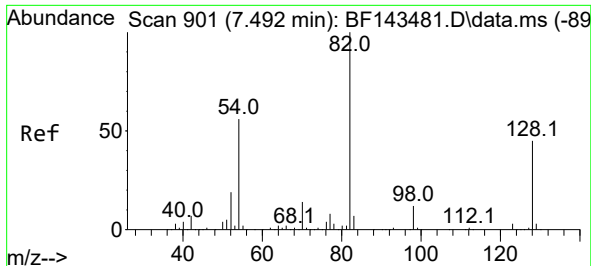


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38



Tgt Ion:136 Resp: 428039
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 9.5 7.4 11.2
68 6.3 5.0 7.4





#23

Nitrobenzene-d5

Concen: 97.248 ng

RT: 7.486 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

Instrument :

BNA_F

ClientSampleId :

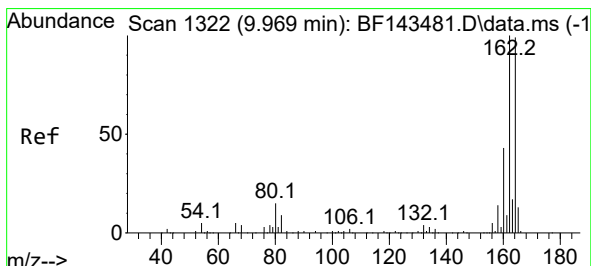
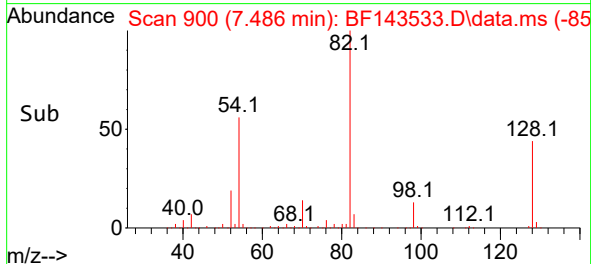
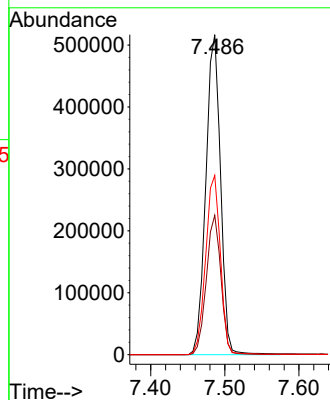
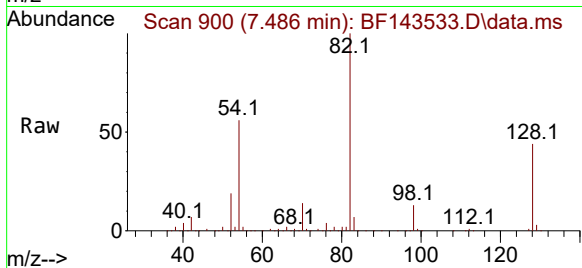
22BP-N

Tgt Ion: 82 Resp: 713328
 Ion Ratio Lower Upper
 82 100
 128 43.6 35.5 53.3
 54 56.0 44.3 66.5

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#39

Acenaphthene-d10

Concen: 20.000 ng

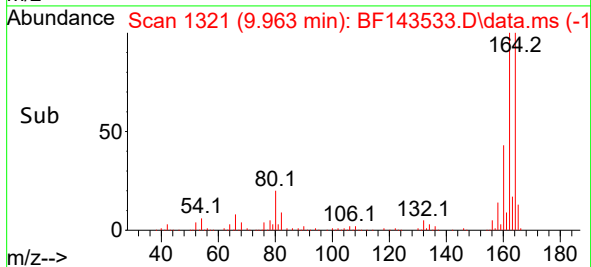
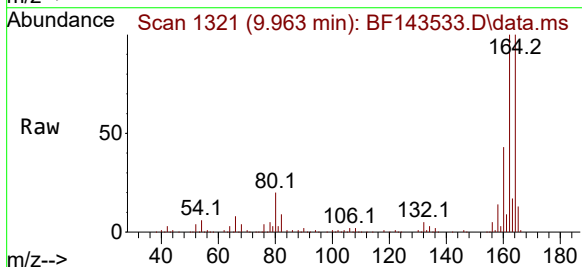
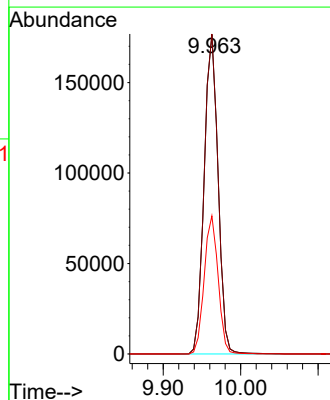
RT: 9.963 min Scan# 1321

Delta R.T. -0.006 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

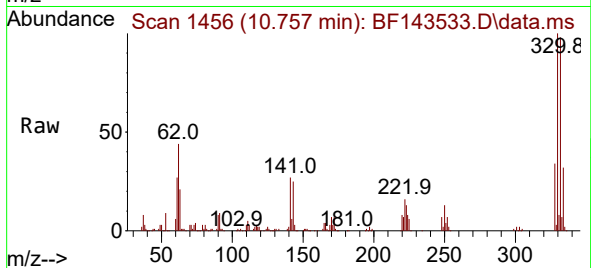
Tgt Ion:164 Resp: 220061
 Ion Ratio Lower Upper
 164 100
 162 100.2 80.5 120.7
 160 43.2 34.3 51.5





#42
2,4,6-Tribromophenol
Concen: 133.623 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

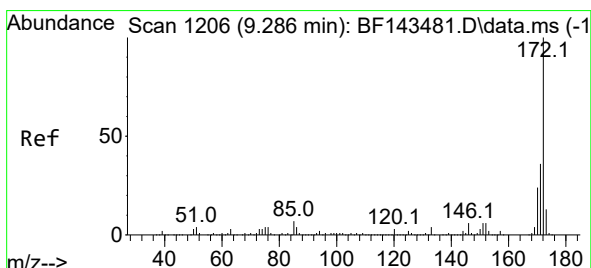
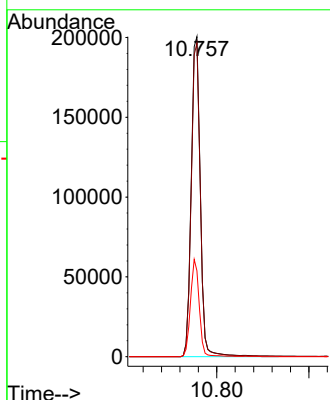
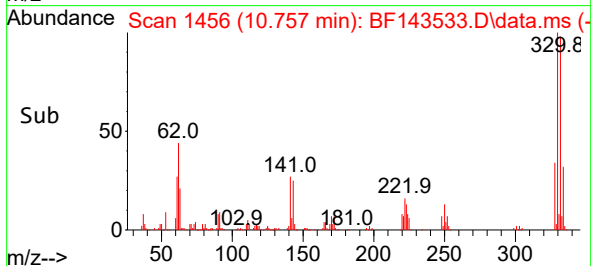
Instrument :
BNA_F
ClientSampleId :
22BP-N



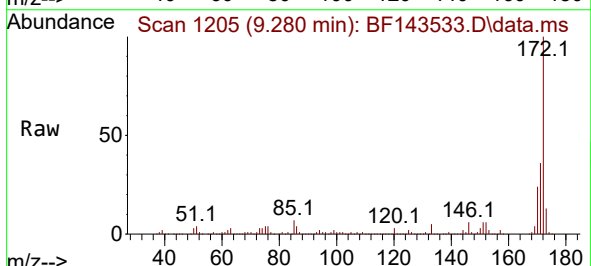
Tgt Ion:330 Resp: 273720
Ion Ratio Lower Upper
330 100
332 97.7 78.0 117.0
141 29.4 23.7 35.5

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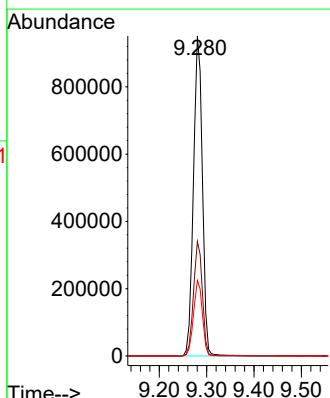
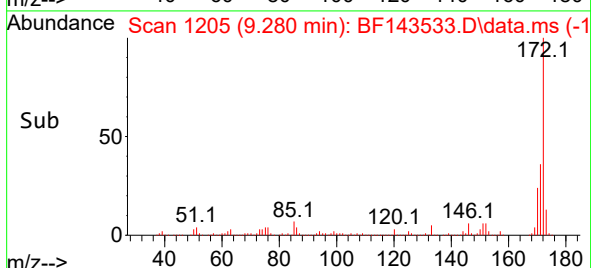
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025

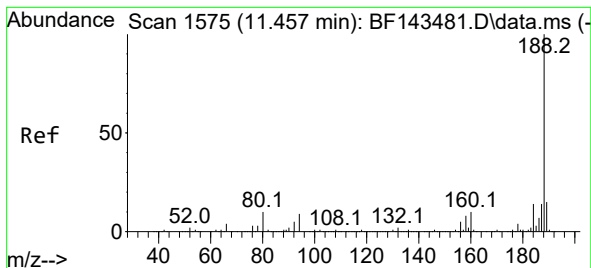


#45
2-Fluorobiphenyl
Concen: 93.822 ng
RT: 9.280 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38



Tgt Ion:172 Resp: 1249277
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.5 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: BF143533.D

Acq: 21 Aug 2025 16:38

Instrument :

BNA_F

ClientSampleId :

22BP-N

Tgt Ion:188 Resp: 31460

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.2

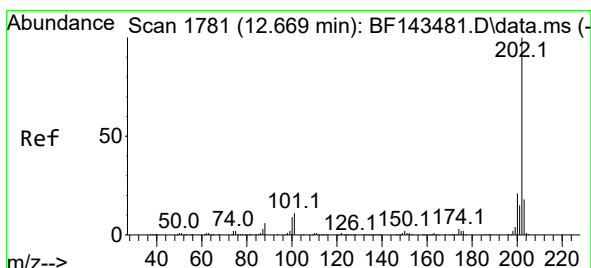
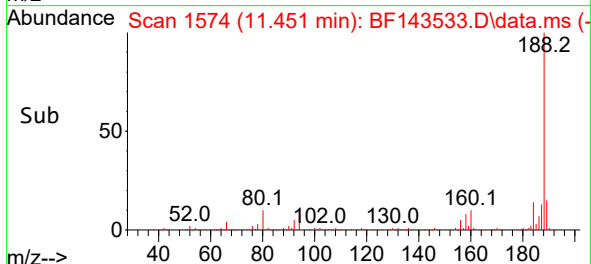
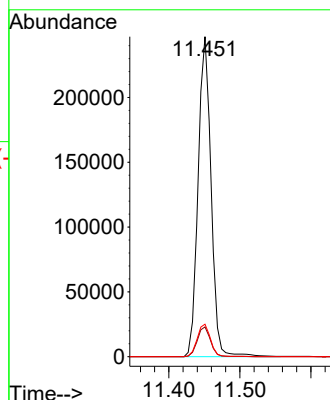
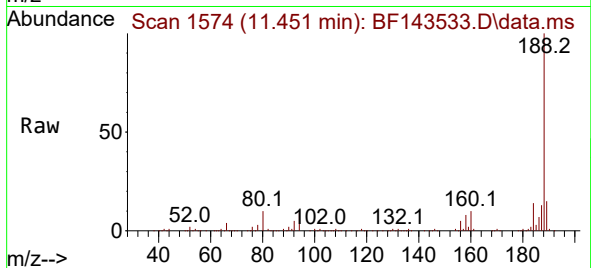
80 10.2 8.2 12.4

Manual Integrations

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Supervised By :mohammad ahmed 08/22/2025



#75

Fluoranthene

Concen: 3.217 ng

RT: 12.668 min Scan# 1781

Delta R.T. -0.006 min

Lab File: BF143533.D

Acq: 21 Aug 2025 16:38

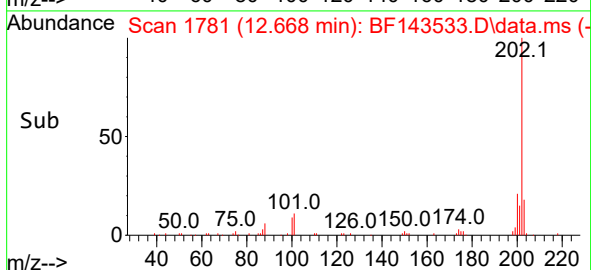
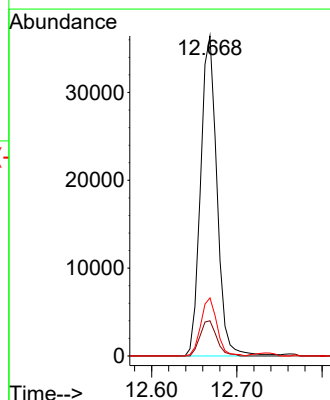
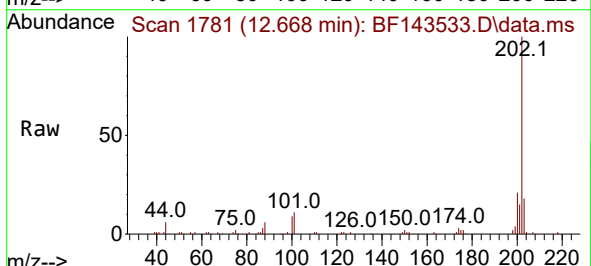
Tgt Ion:202 Resp: 48638

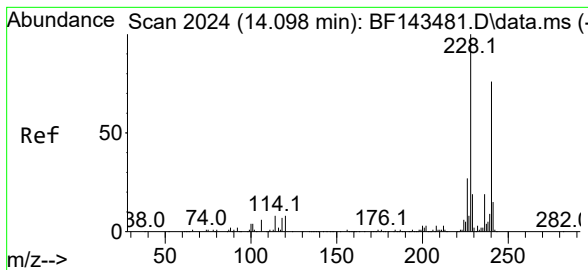
Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.3

203 18.2 0.0 37.9





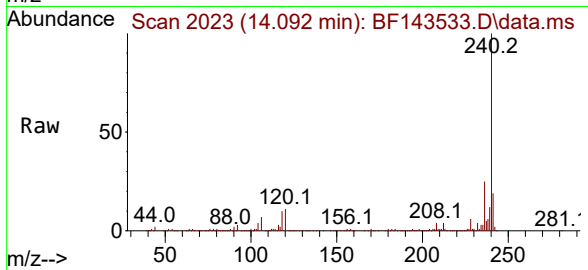
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.092 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

Instrument :

BNA_F

ClientSampleId :

22BP-N

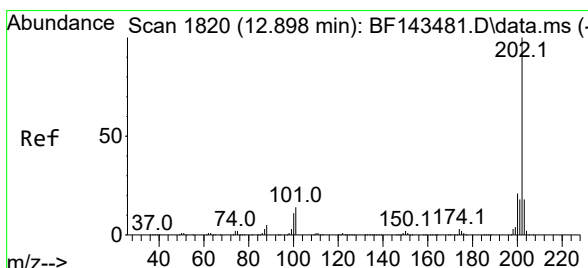
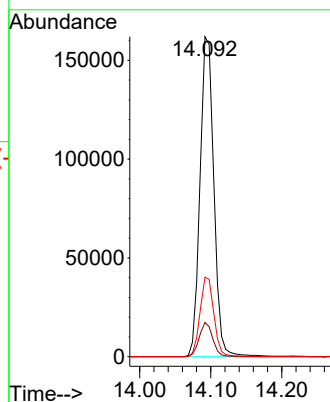
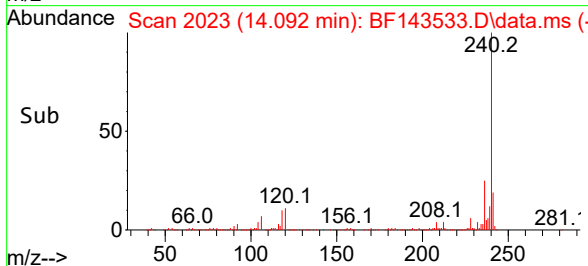


Tgt Ion:240 Resp: 220570
Ion Ratio Lower Upper
240 100
120 10.7 8.6 12.8
236 24.9 20.4 30.6

Manual Integrations

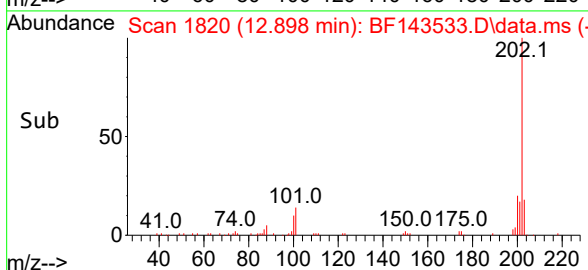
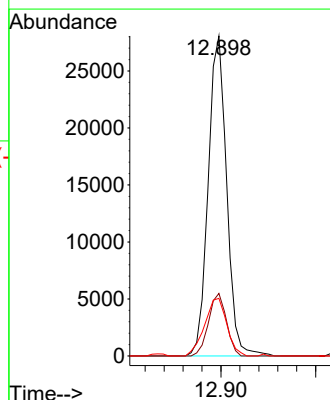
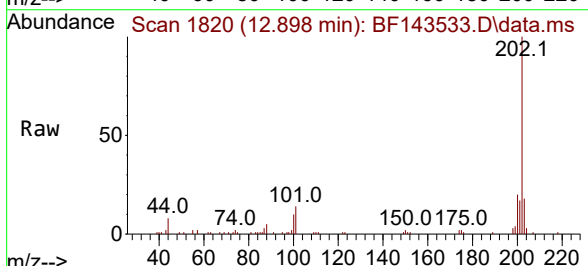
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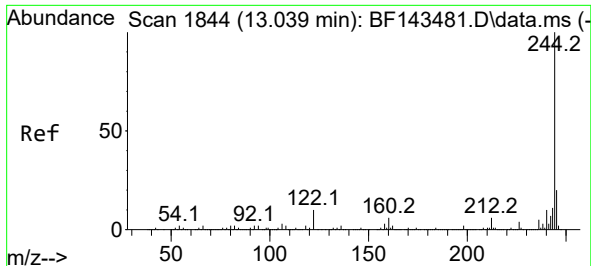
Reviewed By :Rahul Chavli 08/22/2025
Supervised By :mohammad ahmed 08/22/2025



#78
Pyrene
Concen: 2.089 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143533.D
Acq: 21 Aug 2025 16:38

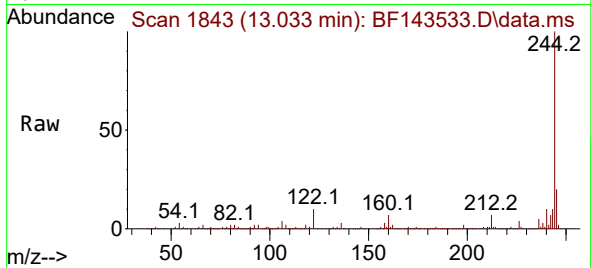
Tgt Ion:202 Resp: 37910
Ion Ratio Lower Upper
202 100
200 19.6 17.0 25.4
203 18.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 76.231 ng
 RT: 13.033 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143533.D
 Acq: 21 Aug 2025 16:38

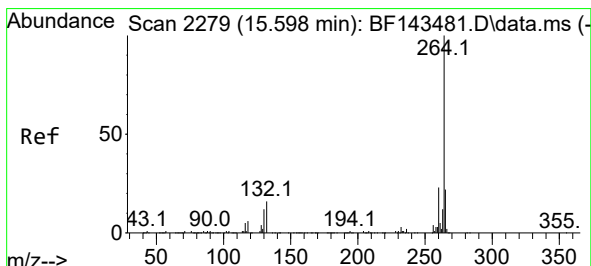
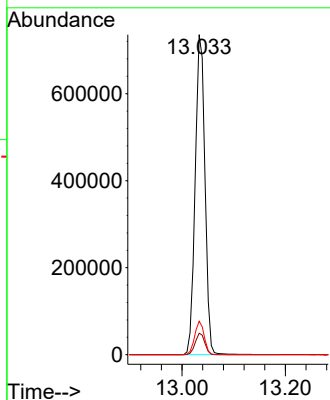
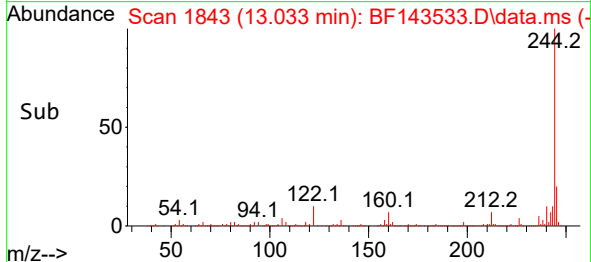
Instrument :
 BNA_F
 ClientSampleId :
 22BP-N



Tgt Ion:244 Resp: 963544
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.2 7.8
 122 10.4 7.9 11.9

Manual Integrations
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 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: BF143533.D
 Acq: 21 Aug 2025 16:38

Tgt Ion:264 Resp: 260684
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.7 28.1
 265 21.5 17.6 26.4

