

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143183.D
 Acq On : 22 Jul 2025 11:54
 Operator : RC/JU
 Sample : Q2638-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-32-071725

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025

Quant Time: Jul 22 12:15:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	117582	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	450721	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	228492	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	338067	20.000	ng	0.00
76) Chrysene-d12	14.121	240	263230	20.000	ng	0.00
86) Perylene-d12	15.633	264	173480	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	532601	71.680	ng	0.00
7) Phenol-d6	6.581	99	702559	75.121	ng	0.00
23) Nitrobenzene-d5	7.516	82	453500	50.154	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	163544	69.285	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	784924	46.981	ng	0.00
79) Terphenyl-d14	13.069	244	586899	33.179	ng	0.00
Target Compounds						Qvalue
75) Fluoranthene	12.698	202	56039	3.401	ng	97
78) Pyrene	12.927	202	54452	2.424	ng	98
83) Chrysene	14.145	228	36271	2.289	ng	# 91
84) Bis(2-ethylhexyl)phtha...	14.104	149	31511	3.026	ng	# 98
88) Benzo(b)fluoranthene	15.186	252	35164m	3.318	ng	

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

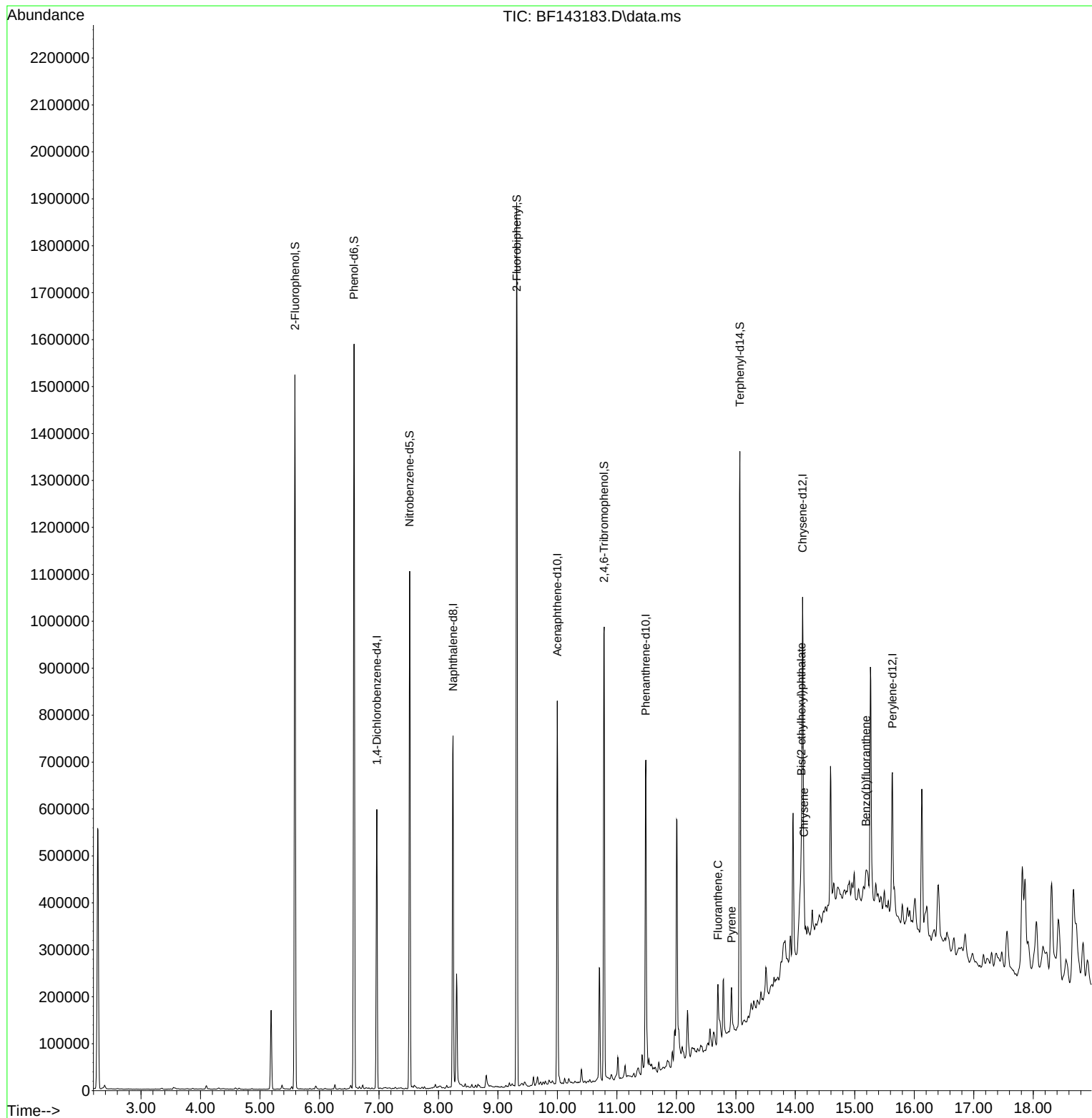
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143183.D
Acq On : 22 Jul 2025 11:54
Operator : RC/JU
Sample : Q2638-03
Misc :
ALS Vial : 8 Sample Multiplier: 1

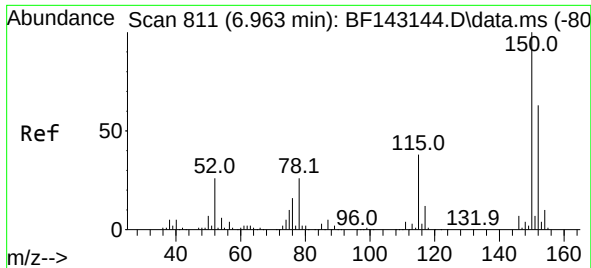
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725

Quant Time: Jul 22 12:15:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

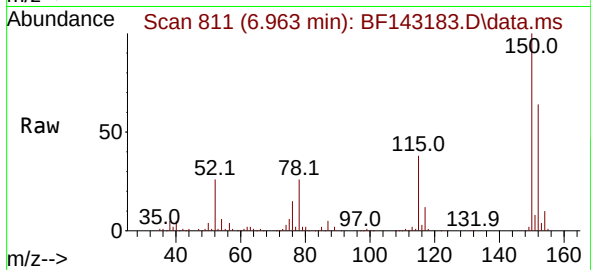
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

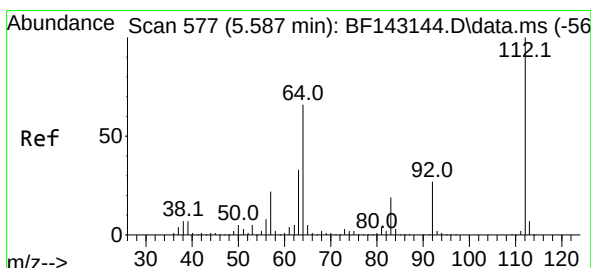
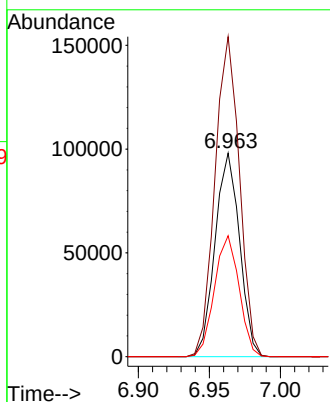
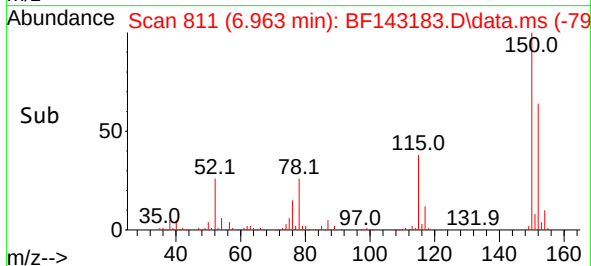
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725



Tgt Ion:152 Resp: 117582
Ion Ratio Lower Upper
152 100
150 157.3 128.2 192.4
115 59.5 47.9 71.9

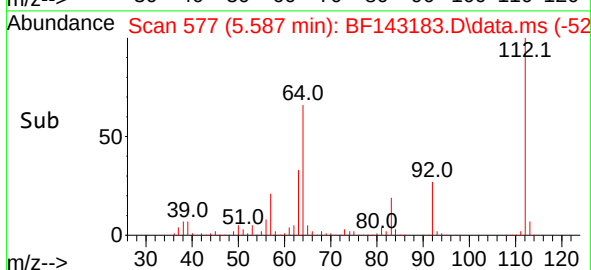
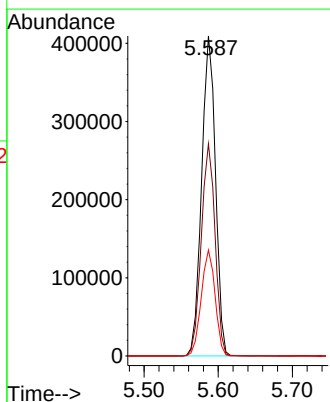
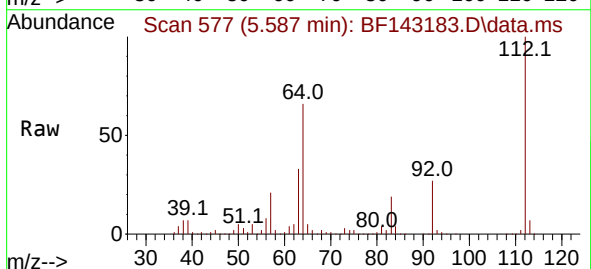
Manual Integrations
APPROVED

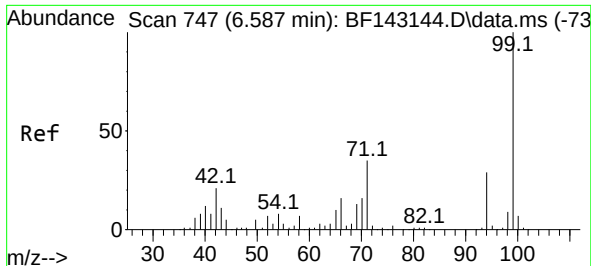
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#5
2-Fluorophenol
Concen: 71.680 ng
RT: 5.587 min Scan# 577
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

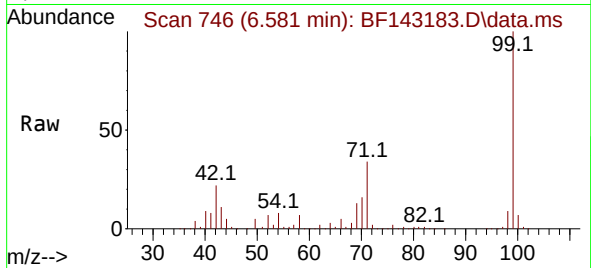
Tgt Ion:112 Resp: 532601
Ion Ratio Lower Upper
112 100
64 66.3 53.1 79.7
63 33.1 26.6 40.0





#7
Phenol-d6
Concen: 75.121 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

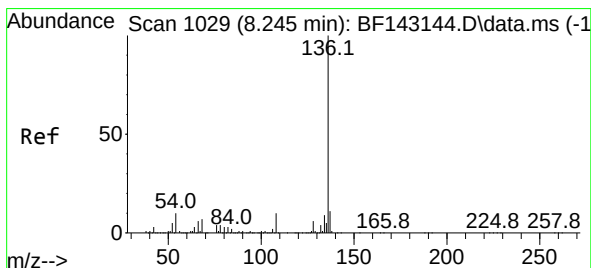
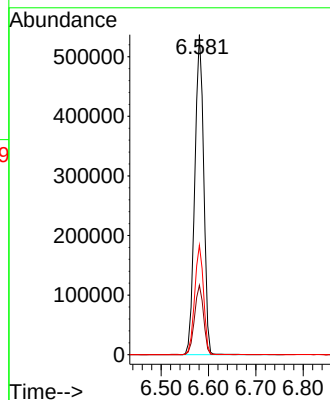
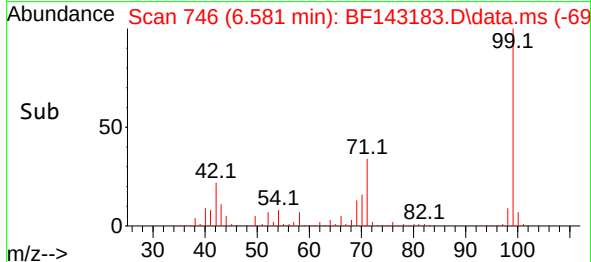
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725



Tgt Ion: 99 Resp: 70255
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 34.2 27.7 41.5

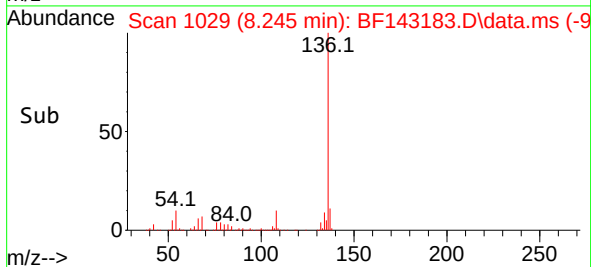
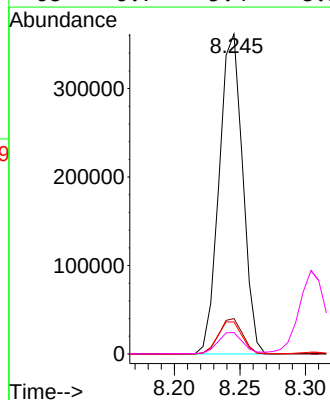
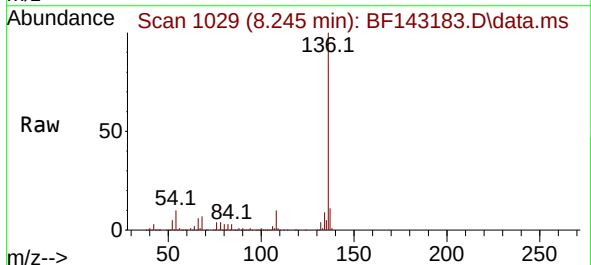
Manual Integrations
APPROVED

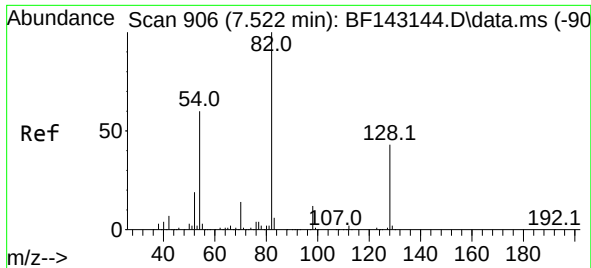
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Tgt Ion:136 Resp: 450721
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.0 8.2 12.2
68 6.7 5.4 8.2





#23

Nitrobenzene-d5

Concen: 50.154 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

OU4-TS-32-071725

Tgt Ion: 82 Resp: 453500

Ion Ratio Lower Upper

82 100

128 42.4 33.6 50.4

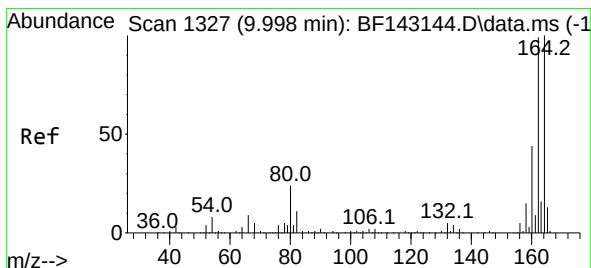
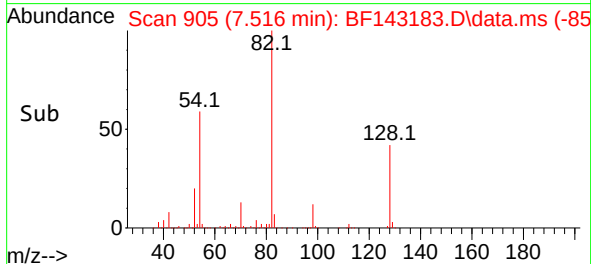
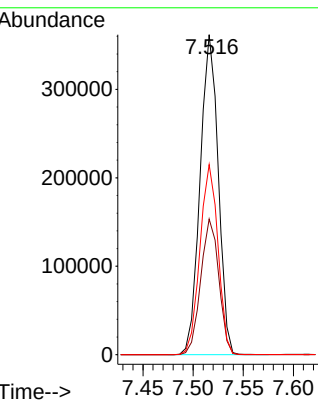
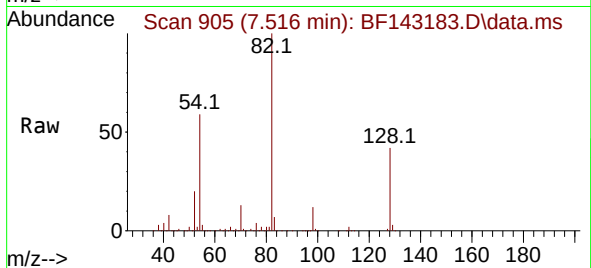
54 59.4 47.1 70.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.000 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

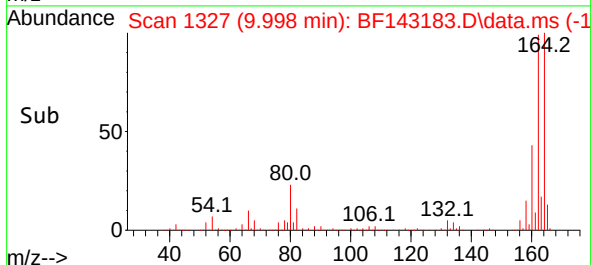
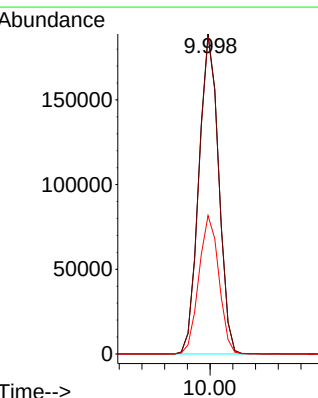
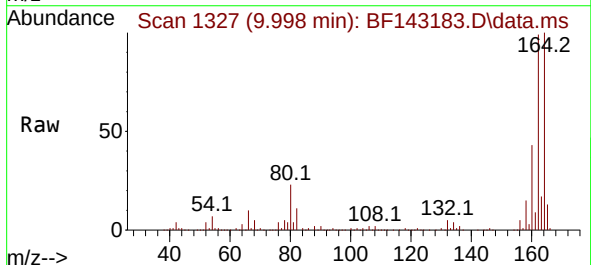
Tgt Ion:164 Resp: 228492

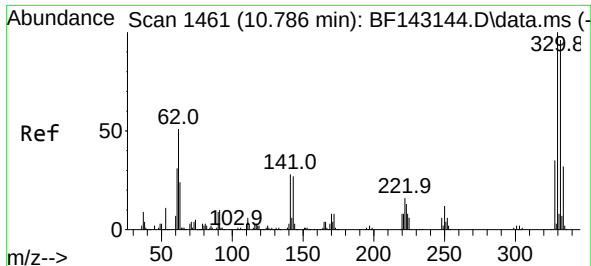
Ion Ratio Lower Upper

164 100

162 99.3 79.0 118.6

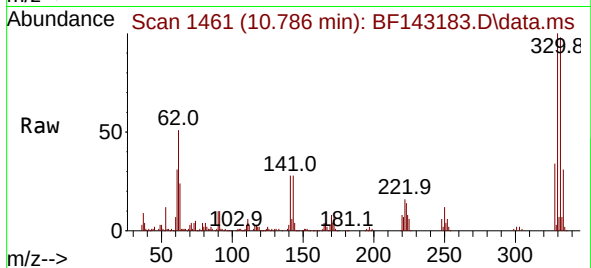
160 43.3 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 69.285 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

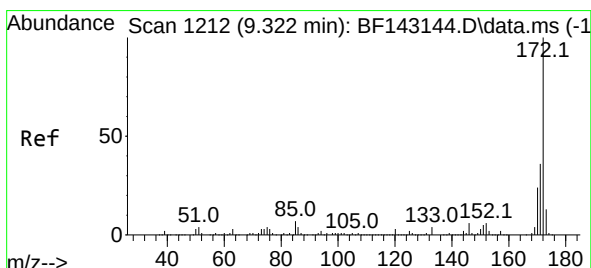
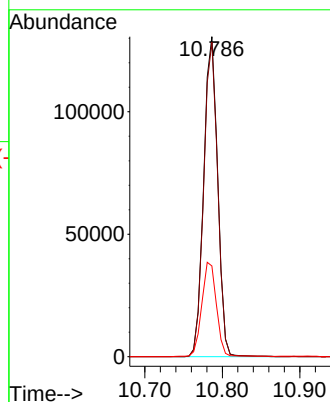
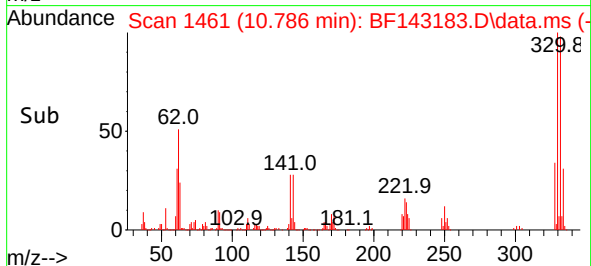
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725



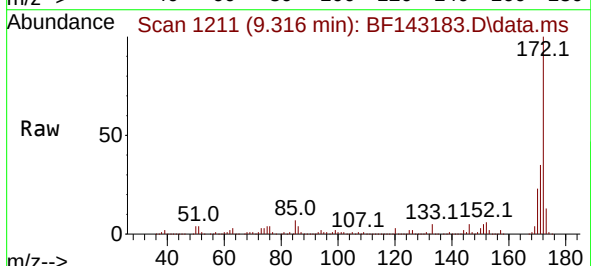
Tgt Ion: 330 Resp: 163544
Ion Ratio Lower Upper
330 100
332 97.9 76.7 115.1
141 31.2 23.3 34.9

Manual Integrations
APPROVED

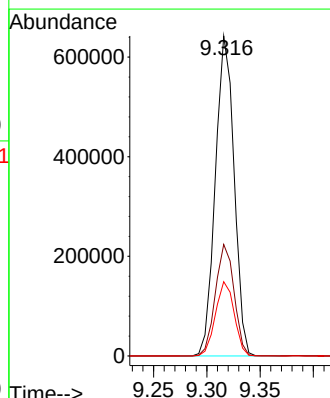
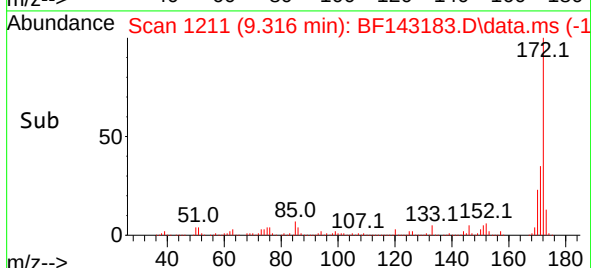
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

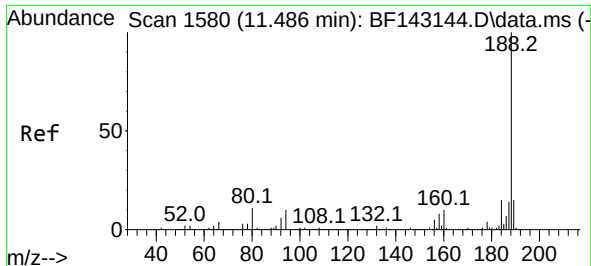


#45
2-Fluorobiphenyl
Concen: 46.981 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54



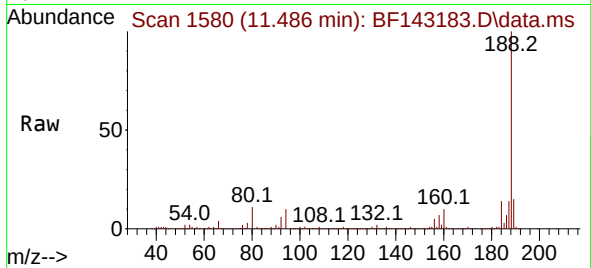
Tgt Ion: 172 Resp: 784924
Ion Ratio Lower Upper
172 100
171 34.9 28.6 42.8
170 23.2 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 11486
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

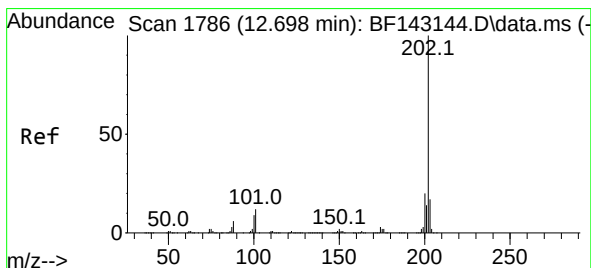
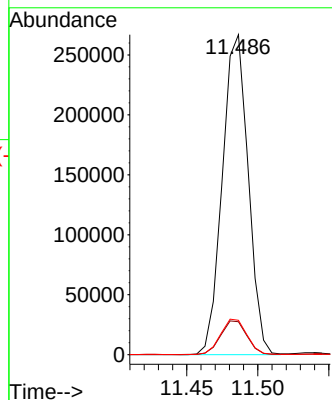
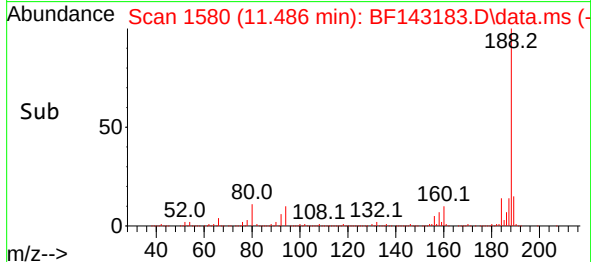
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725



Tgt Ion:188 Resp: 33806
Ion Ratio Lower Upper
188 100
94 10.3 8.3 12.5
80 10.8 9.0 13.6

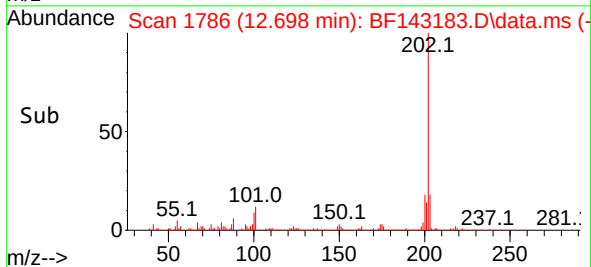
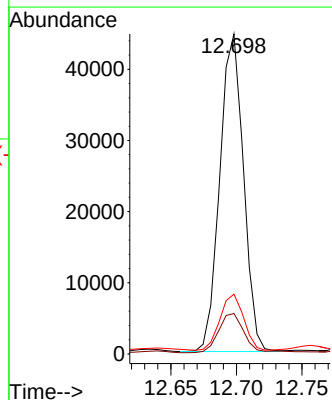
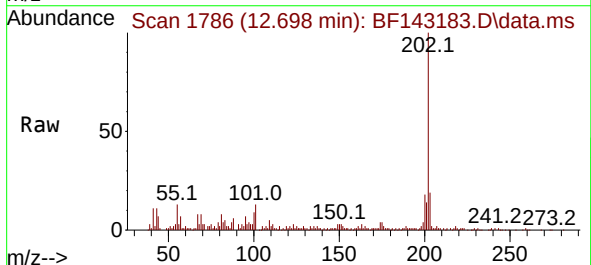
Manual Integrations
APPROVED

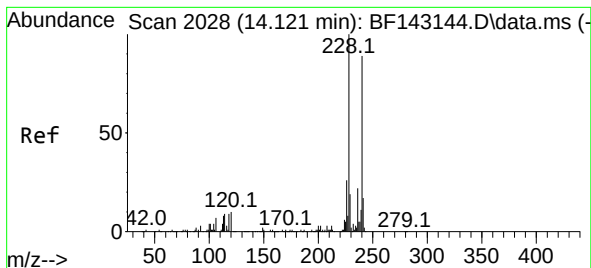
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#75
Fluoranthene
Concen: 3.401 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Tgt Ion:202 Resp: 56039
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.7
203 18.7 0.0 37.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.121 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

Instrument :

BNA_F

ClientSampleId :

OU4-TS-32-071725

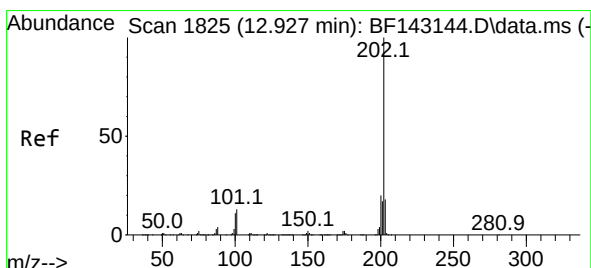
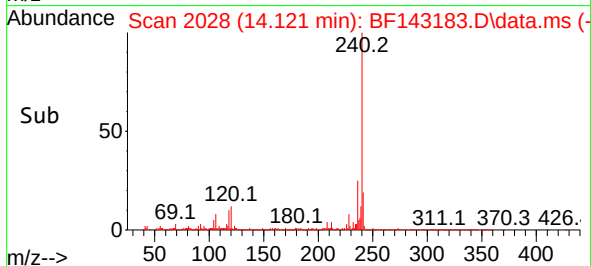
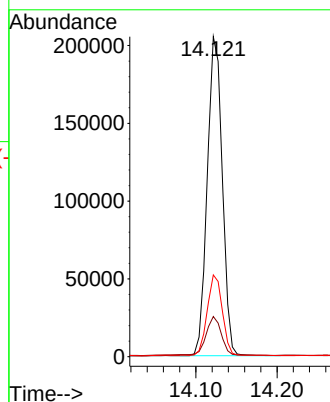
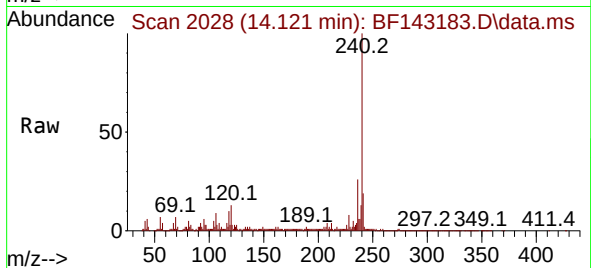
Tgt Ion:240 Resp: 263230
 Ion Ratio Lower Upper
 240 100
 120 12.6 9.4 14.2
 236 25.5 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#78

Pyrene

Concen: 2.424 ng

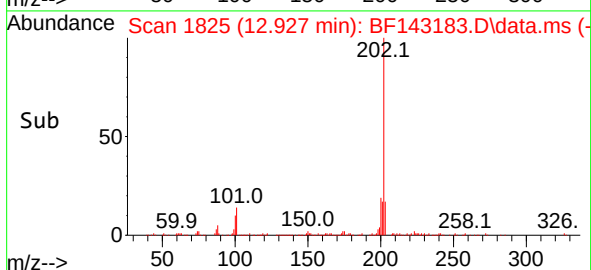
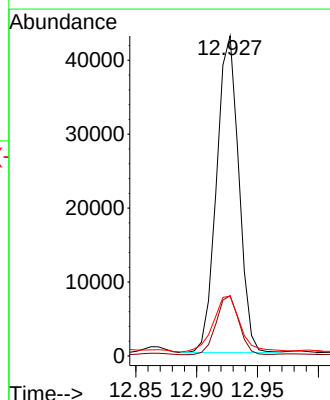
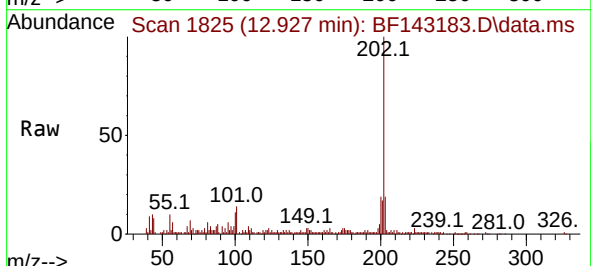
RT: 12.927 min Scan# 1825

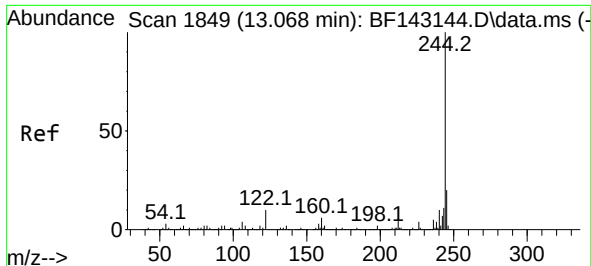
Delta R.T. 0.000 min

Lab File: BF143183.D

Acq: 22 Jul 2025 11:54

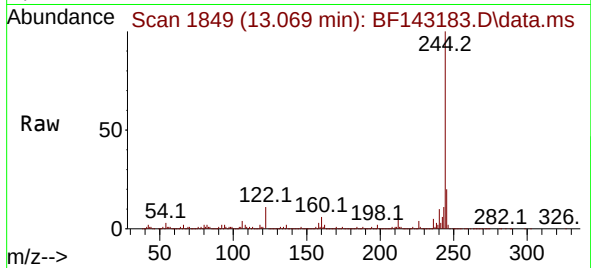
Tgt Ion:202 Resp: 54452
 Ion Ratio Lower Upper
 202 100
 200 18.9 15.7 23.5
 203 18.7 14.2 21.2





#79
 Terphenyl-d14
 Concen: 33.179 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143183.D
 Acq: 22 Jul 2025 11:54

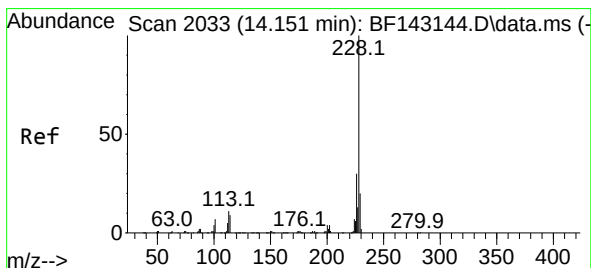
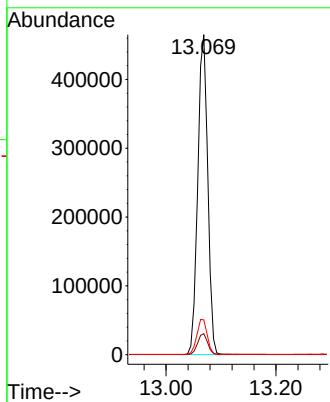
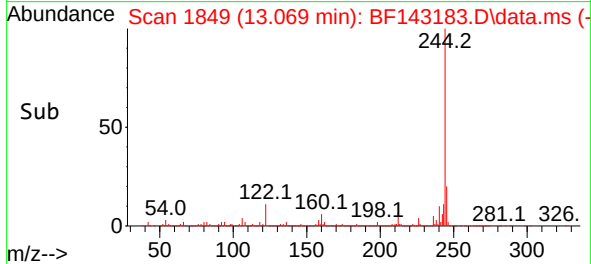
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-32-071725



Tgt Ion:244 Resp: 58689
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 10.9 8.2 12.2

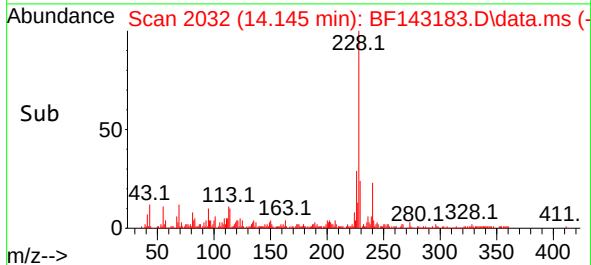
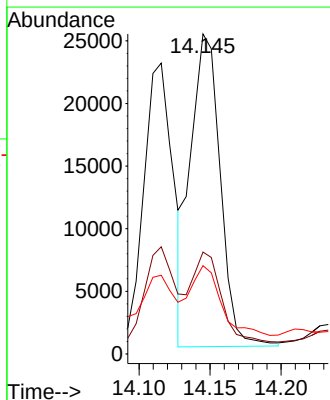
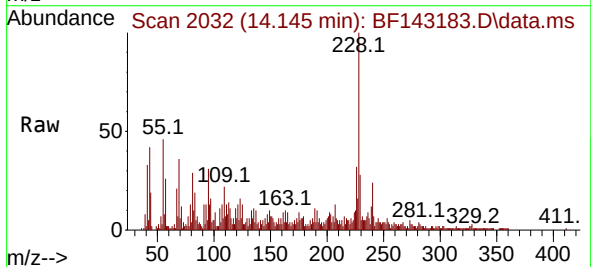
Manual Integrations
 APPROVED

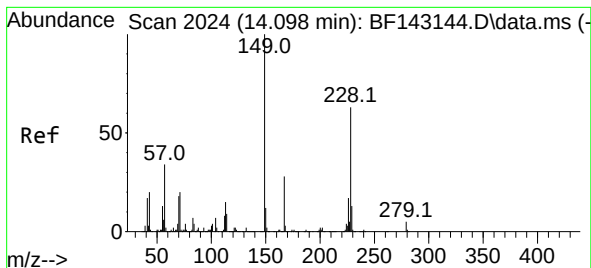
Reviewed By :Rahul Chavli 07/23/2025
 Supervised By :Jagrut Upadhyay 07/23/2025



#83
 Chrysene
 Concen: 2.289 ng
 RT: 14.145 min Scan# 2032
 Delta R.T. -0.006 min
 Lab File: BF143183.D
 Acq: 22 Jul 2025 11:54

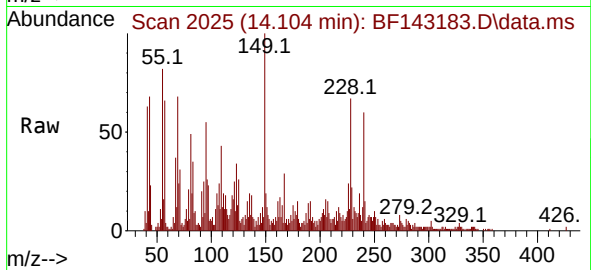
Tgt Ion:228 Resp: 36271
 Ion Ratio Lower Upper
 228 100
 226 31.8 23.8 35.8
 229 27.6 15.6 23.4#





#84
Bis(2-ethylhexyl)phthalate
Concen: 3.026 ng
RT: 14.104 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

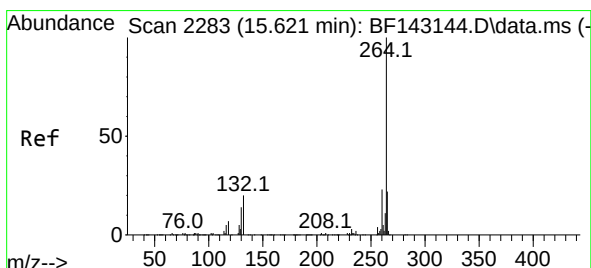
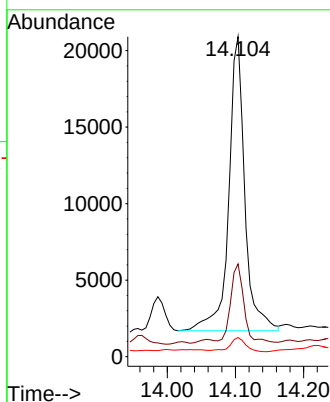
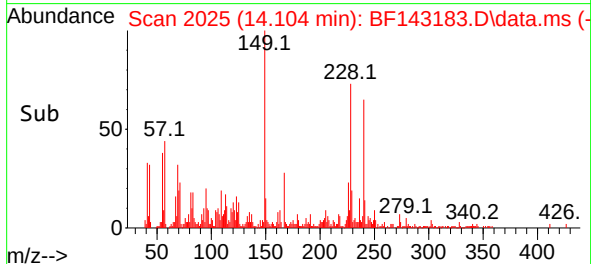
Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725



Tgt Ion:149 Resp: 3151
Ion Ratio Lower Upper
149 100
167 29.0 22.3 33.5
279 6.0 3.6 5.4

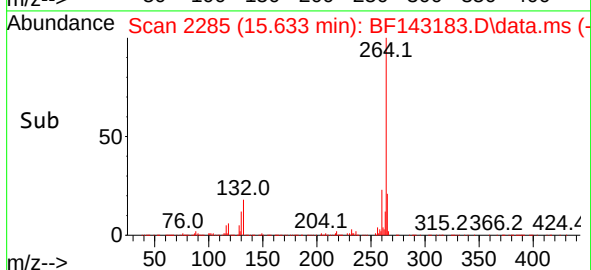
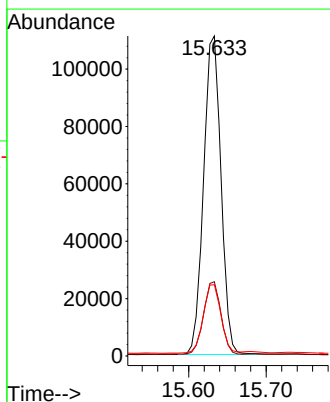
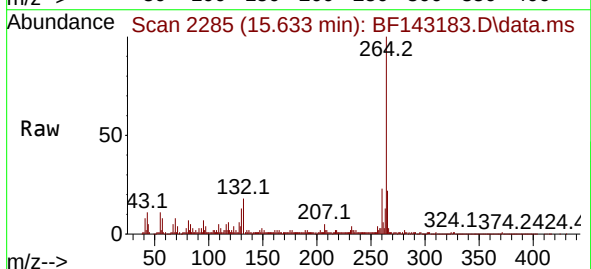
Manual Integrations
APPROVED

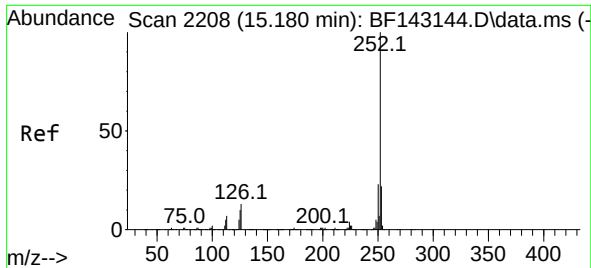
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 2285
Delta R.T. 0.012 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

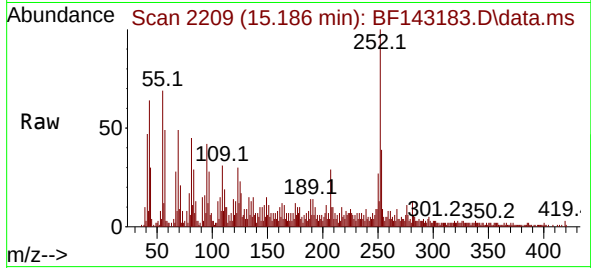
Tgt Ion:264 Resp: 173480
Ion Ratio Lower Upper
264 100
260 23.2 18.5 27.7
265 22.3 17.4 26.2





#88
Benzo(b)fluoranthene
Concen: 3.318 ng m
RT: 15.186 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF143183.D
Acq: 22 Jul 2025 11:54

Instrument :
BNA_F
ClientSampleId :
OU4-TS-32-071725



Tgt Ion:252 Resp: 35164
Ion Ratio Lower Upper
252 100
253 38.5 17.5 26.3
125 23.0 8.0 12.0

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

