

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
 Data File : BF143204.D
 Acq On : 22 Jul 2025 22:46
 Operator : RC/JU
 Sample : Q2658-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAD-072125-1

Manual Integrations
 APPROVED

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

Quant Time: Jul 23 04:54:53 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	6.969	152	103030	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	352595	20.000	ng	0.00
39) Acenaphthene-d10	10.028	164	112794	20.000	ng	# 0.03
64) Phenanthrene-d10	11.586	188	101828	20.000	ng	# 0.10
76) Chrysene-d12	14.192	240	152631	20.000	ng	# 0.07
86) Perylene-d12	15.657	264	59390	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.599	112	387338	59.492	ng	0.01
7) Phenol-d6	6.598	99	575796	70.262	ng	0.01
23) Nitrobenzene-d5	7.522	82	401452	56.754	ng	0.00
42) 2,4,6-Tribromophenol	10.857	330	57409	49.269	ng	0.07
45) 2-Fluorobiphenyl	9.328	172	657449	79.715	ng	0.00
79) Terphenyl-d14	13.169	244	370214	36.095	ng	0.10
Target Compounds						Qvalue
46) 1,1'-Biphenyl	9.434	154	31176	3.543	ng	89
83) Chrysene	14.210	228	22057	2.401	ng	# 49
84) Bis(2-ethylhexyl)phtha...	14.133	149	45256	7.496	ng	# 56
88) Benzo(b)fluoranthene	15.210	252	11786m	3.248	ng	
92) Benzo(g,h,i)perylene	17.662	276	8478	2.571	ng	# 44

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

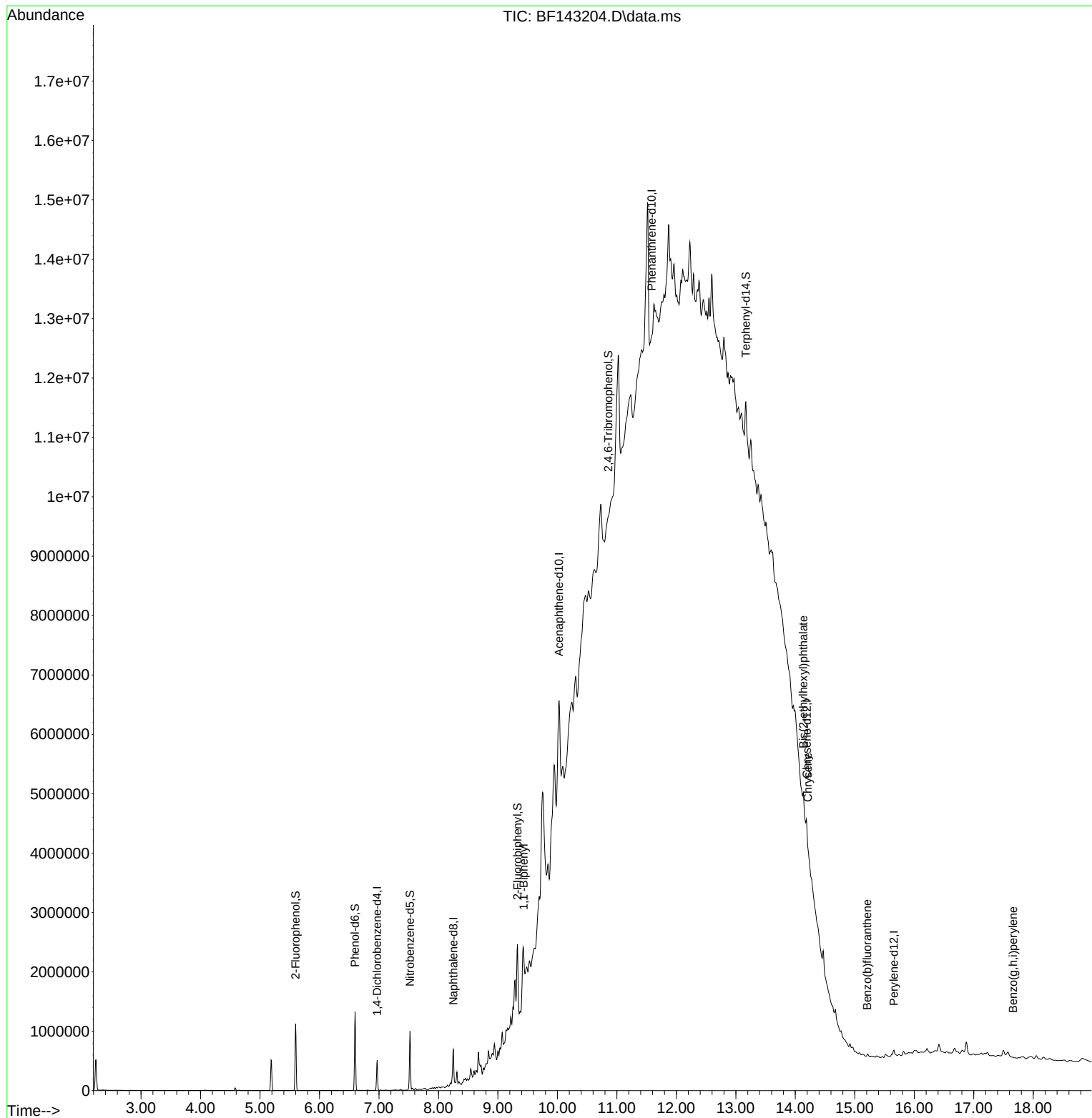
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072225\
Data File : BF143204.D
Acq On : 22 Jul 2025 22:46
Operator : RC/JU
Sample : Q2658-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

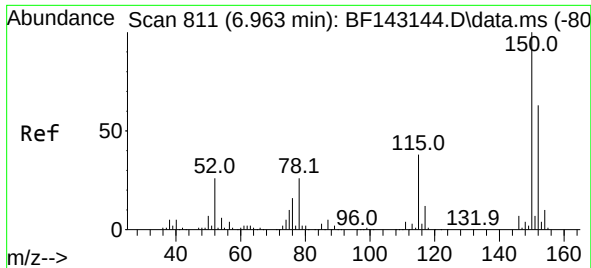
Instrument :
BNA_F
ClientSampleId :
PAD-072125-1

Quant Time: Jul 23 04:54:53 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

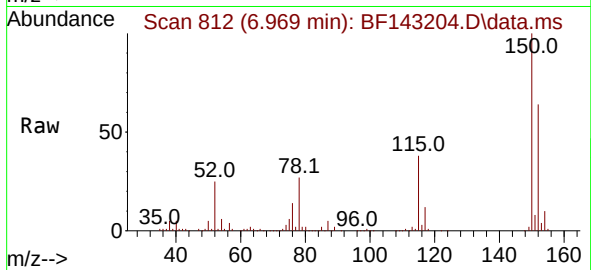
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

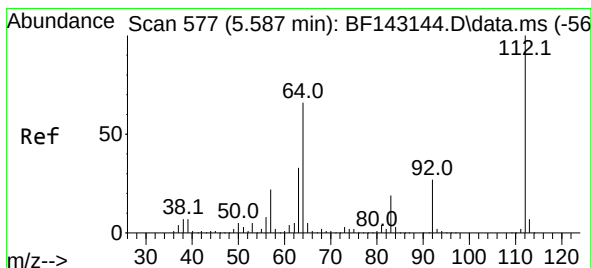
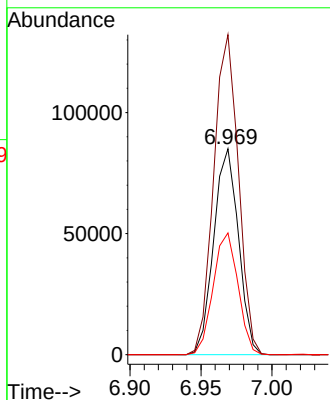
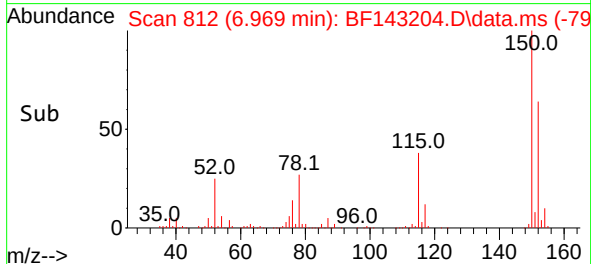
Instrument :
BNA_F
ClientSampleId :
PAD-072125-1



Tgt Ion:152 Resp: 103030
Ion Ratio Lower Upper
152 100
150 155.5 128.2 192.4
115 59.2 47.9 71.9

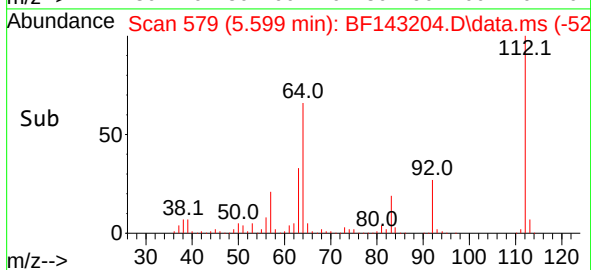
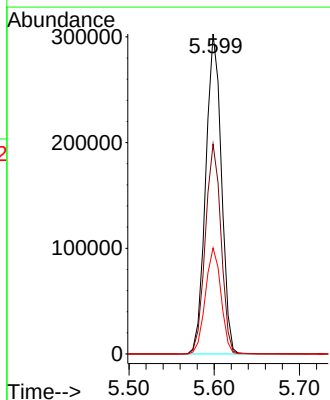
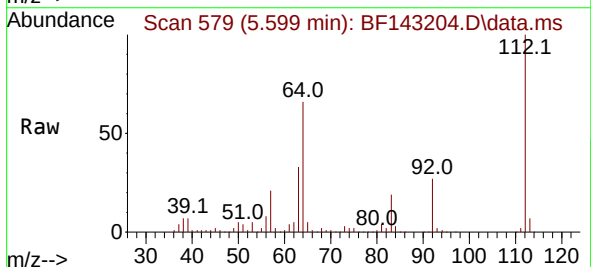
Manual Integrations
APPROVED

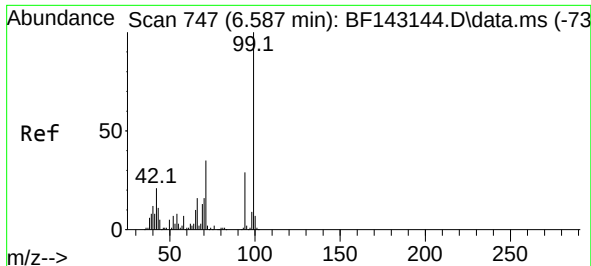
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#5
2-Fluorophenol
Concen: 59.492 ng
RT: 5.599 min Scan# 579
Delta R.T. 0.012 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

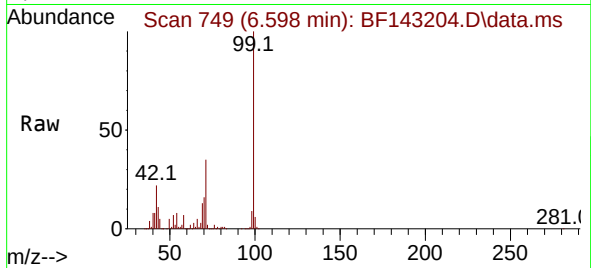
Tgt Ion:112 Resp: 387338
Ion Ratio Lower Upper
112 100
64 65.6 53.1 79.7
63 33.1 26.6 40.0





#7
Phenol-d6
Concen: 70.262 ng
RT: 6.598 min Scan# 747
Delta R.T. 0.012 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

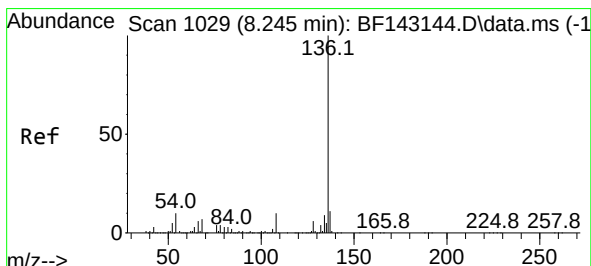
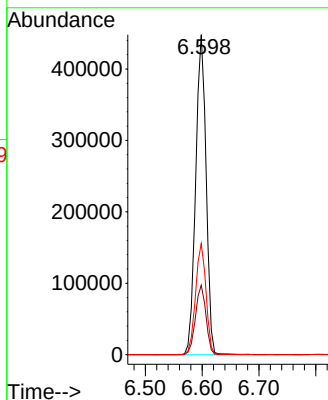
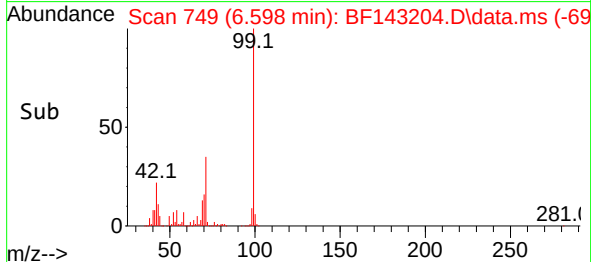
Instrument :
BNA_F
ClientSampleId :
PAD-072125-1



Tgt Ion: 99 Resp: 575790
Ion Ratio Lower Upper
99 100
42 21.7 17.0 25.6
71 34.8 27.7 41.5

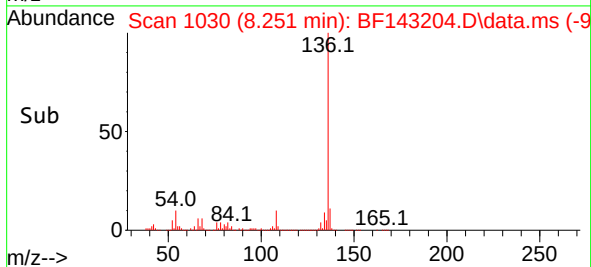
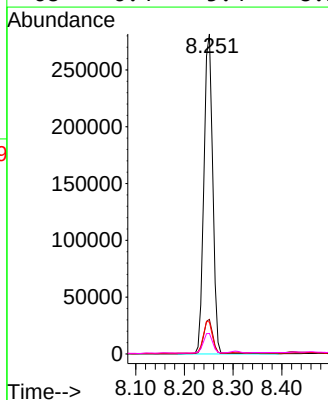
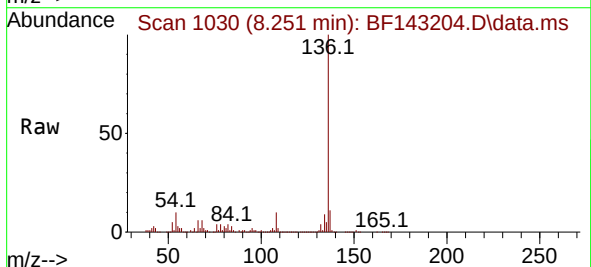
Manual Integrations
APPROVED

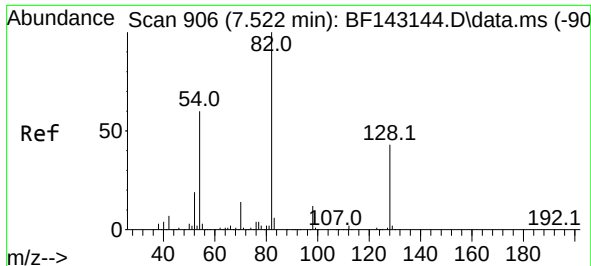
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1030
Delta R.T. 0.006 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

Tgt Ion:136 Resp: 352595
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.0 8.2 12.2
68 6.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 56.754 ng

RT: 7.522 min Scan# 906

Delta R.T. 0.000 min

Lab File: BF143204.D

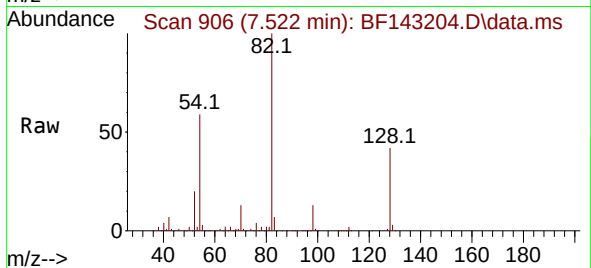
Acq: 22 Jul 2025 22:46

Instrument :

BNA_F

ClientSampleId :

PAD-072125-1



Tgt Ion: 82 Resp: 401452

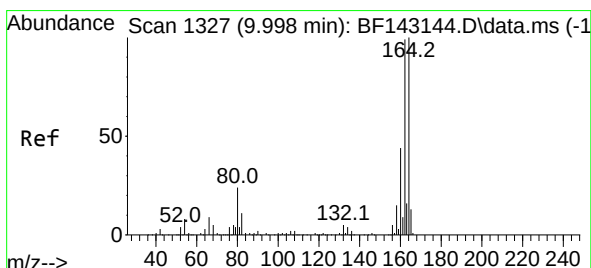
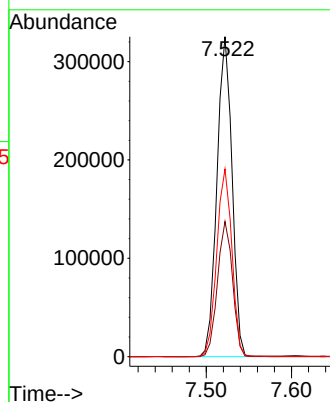
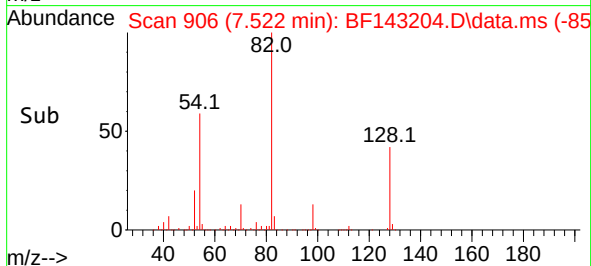
Ion	Ratio	Lower	Upper
82	100		
128	42.3	33.6	50.4
54	58.7	47.1	70.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#39

Acenaphthene-d10

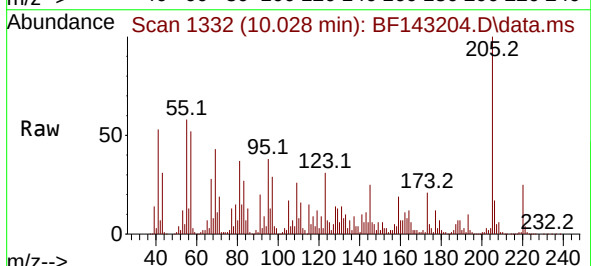
Concen: 20.000 ng

RT: 10.028 min Scan# 1332

Delta R.T. 0.030 min

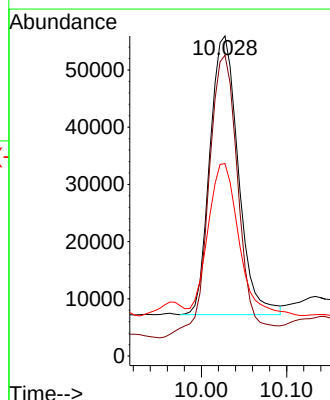
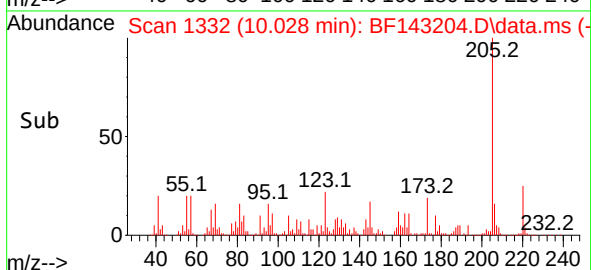
Lab File: BF143204.D

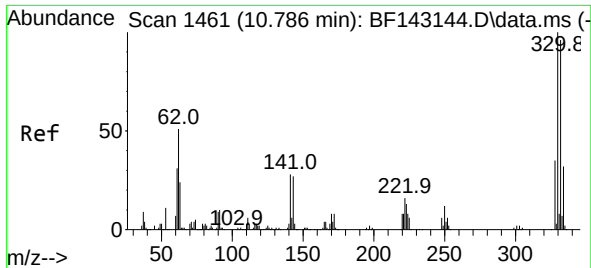
Acq: 22 Jul 2025 22:46



Tgt Ion:164 Resp: 112794

Ion	Ratio	Lower	Upper
164	100		
162	94.0	79.0	118.6
160	60.1	35.1	52.7





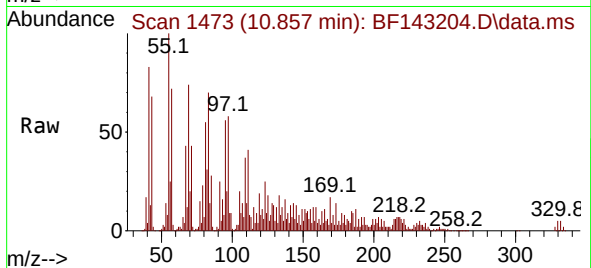
#42
2,4,6-Tribromophenol
Concen: 49.269 ng
RT: 10.857 min Scan# 1461
Delta R.T. 0.071 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

Instrument :

BNA_F

ClientSampleId :

PAD-072125-1



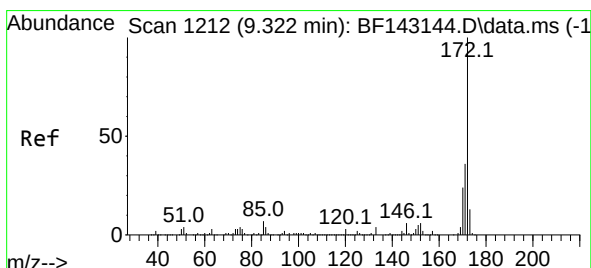
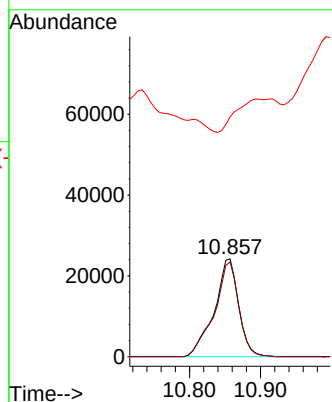
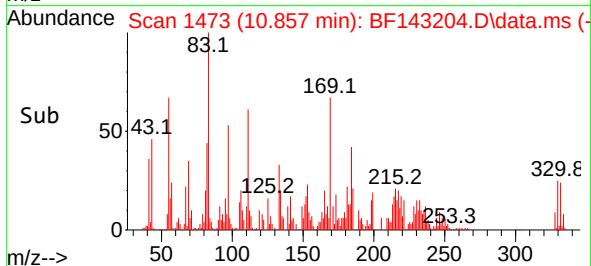
Tgt Ion:330 Resp: 57409
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 0.0 23.3 34.9

Manual Integrations

APPROVED

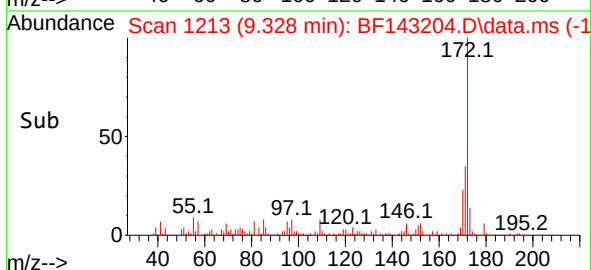
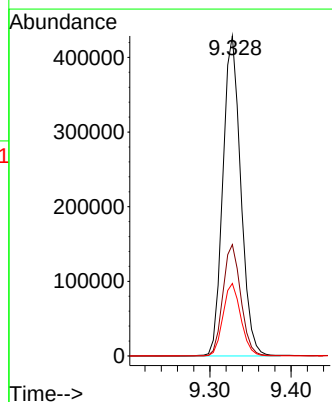
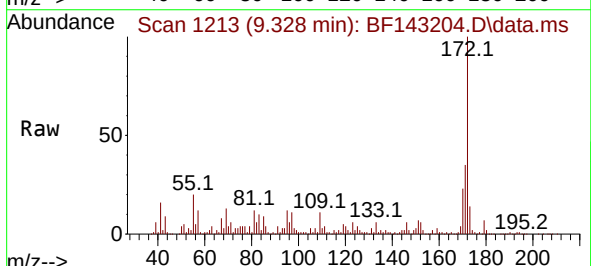
Reviewed By :Rahul Chavli 07/23/2025

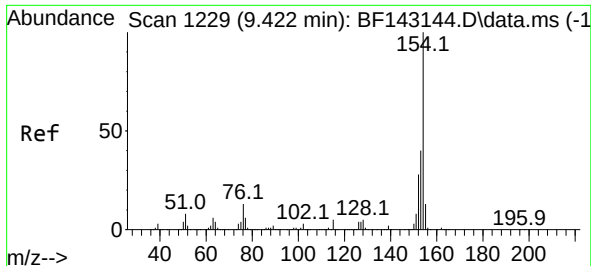
Supervised By :Jagrut Upadhyay 07/23/2025



#45
2-Fluorobiphenyl
Concen: 79.715 ng
RT: 9.328 min Scan# 1213
Delta R.T. 0.006 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

Tgt Ion:172 Resp: 657449
Ion Ratio Lower Upper
172 100
171 34.8 28.6 42.8
170 22.6 18.8 28.2





#46
1,1'-Biphenyl
Concen: 3.543 ng
RT: 9.434 min Scan# 1597
Delta R.T. 0.012 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

Instrument :

BNA_F

ClientSampleId :

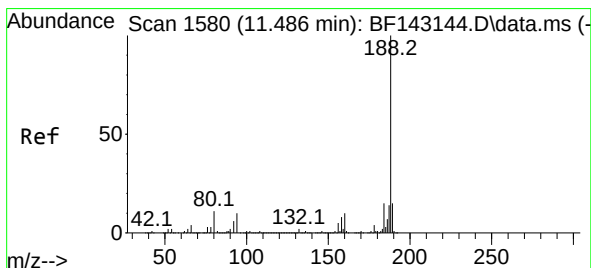
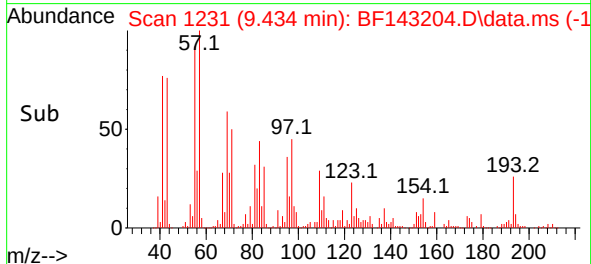
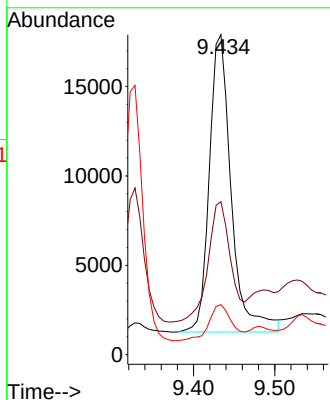
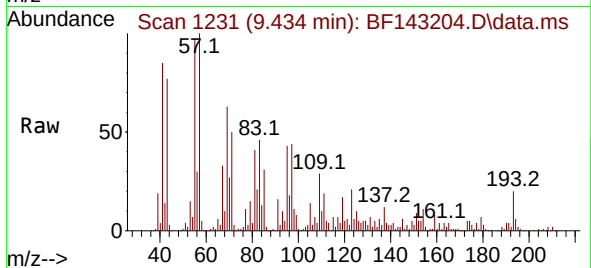
PAD-072125-1

Tgt Ion:154 Resp: 31170
Ion Ratio Lower Upper
154 100
153 47.8 20.3 60.3
76 15.7 0.0 33.3

Manual Integrations

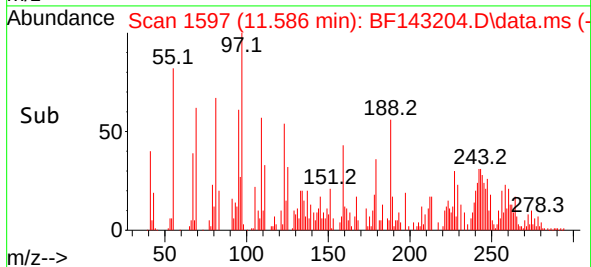
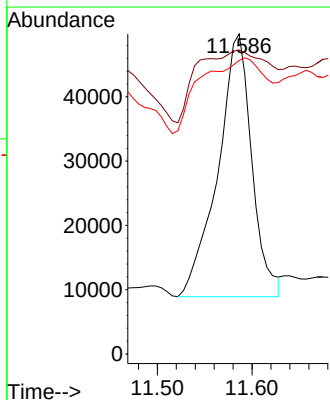
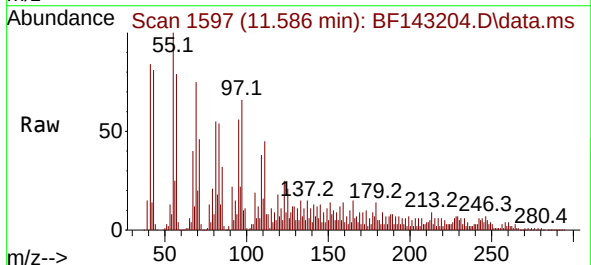
APPROVED

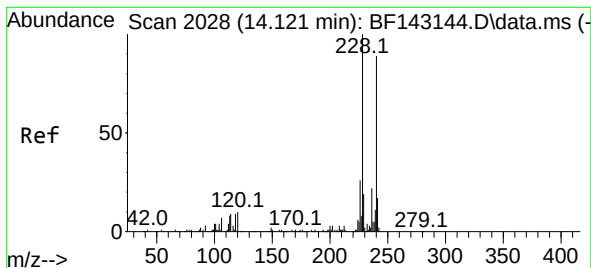
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.586 min Scan# 1597
Delta R.T. 0.100 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

Tgt Ion:188 Resp: 101828
Ion Ratio Lower Upper
188 100
94 95.0 8.3 12.5#
80 91.7 9.0 13.6#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.192 min Scan# 2028

Delta R.T. 0.071 min

Lab File: BF143204.D

Acq: 22 Jul 2025 22:46

Instrument :

BNA_F

ClientSampleId :

PAD-072125-1

Tgt Ion:240 Resp: 15263

Ion Ratio Lower Upper

240 100

120 21.0 9.4 14.2

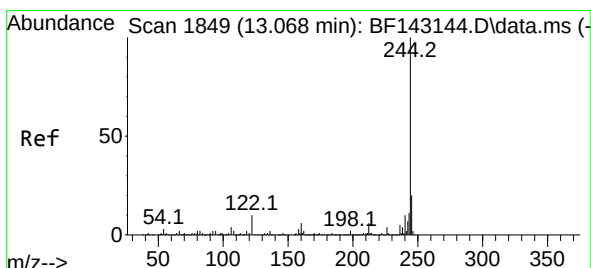
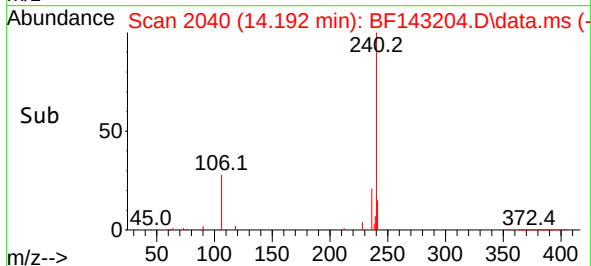
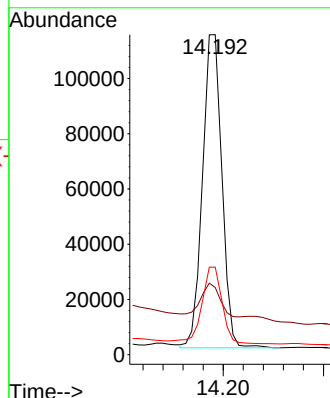
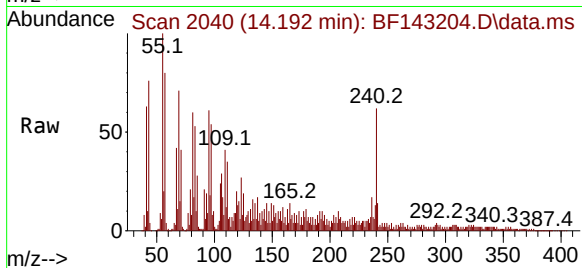
236 27.3 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#79

Terphenyl-d14

Concen: 36.095 ng

RT: 13.169 min Scan# 1866

Delta R.T. 0.100 min

Lab File: BF143204.D

Acq: 22 Jul 2025 22:46

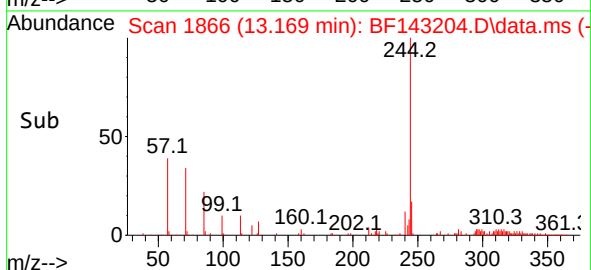
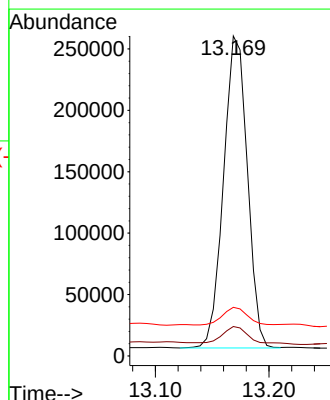
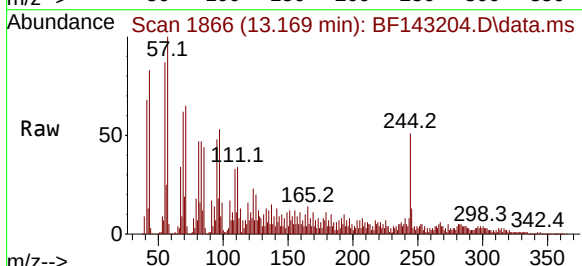
Tgt Ion:244 Resp: 370214

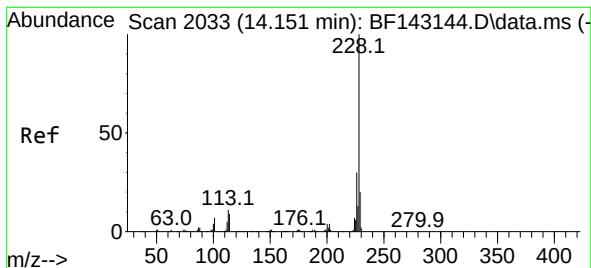
Ion Ratio Lower Upper

244 100

212 9.2 5.2 7.8#

122 15.2 8.2 12.2#





#83

Chrysene

Concen: 2.401 ng

RT: 14.210 min Scan# 2033

Delta R.T. 0.059 min

Lab File: BF143204.D

Acq: 22 Jul 2025 22:46

Instrument :

BNA_F

ClientSampleId :

PAD-072125-1

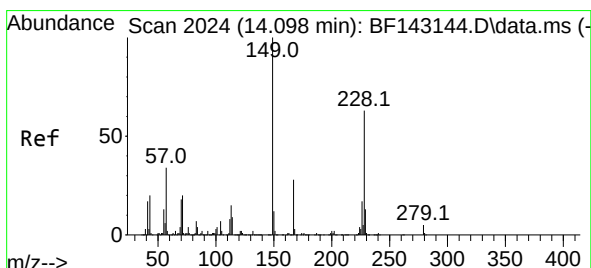
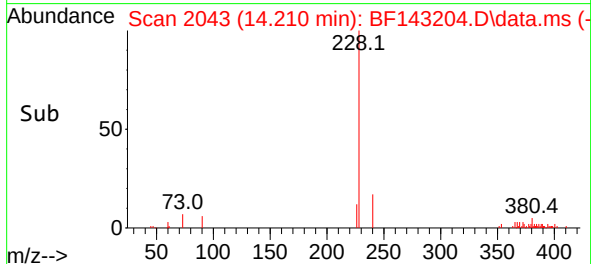
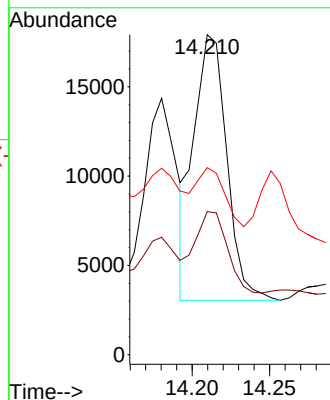
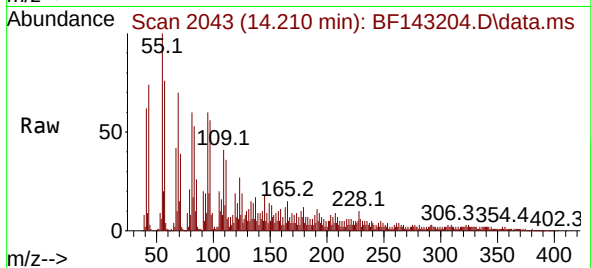
Tgt Ion:	228	Resp:	2205
Ion Ratio	Lower	Upper	
228	100		
226	44.7	23.8	35.8
229	58.4	15.6	23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/23/2025

Supervised By :Jagrut Upadhyay 07/23/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.496 ng

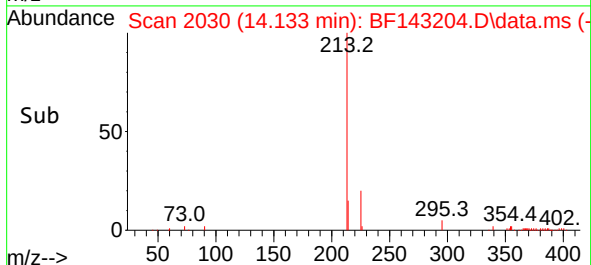
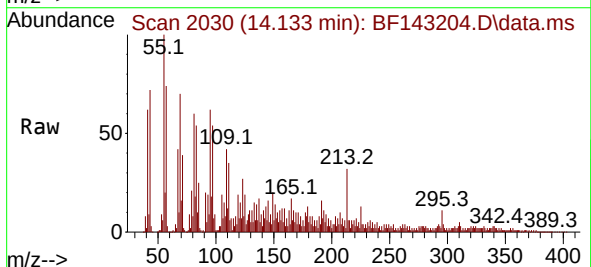
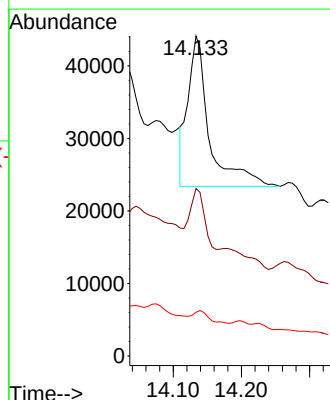
RT: 14.133 min Scan# 2030

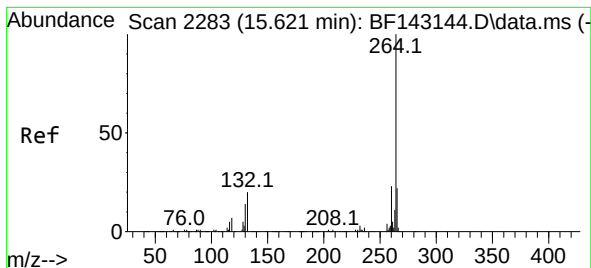
Delta R.T. 0.035 min

Lab File: BF143204.D

Acq: 22 Jul 2025 22:46

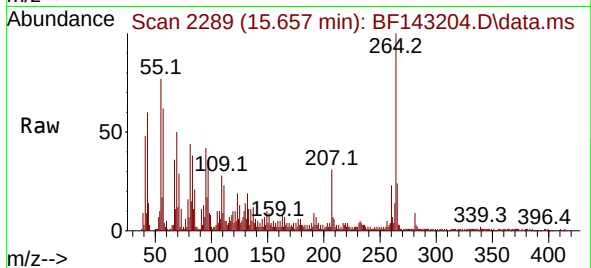
Tgt Ion:	149	Resp:	45256
Ion Ratio	Lower	Upper	
149	100		
167	52.3	22.3	33.5
279	13.7	3.6	5.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.657 min Scan# 2113
Delta R.T. 0.035 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46

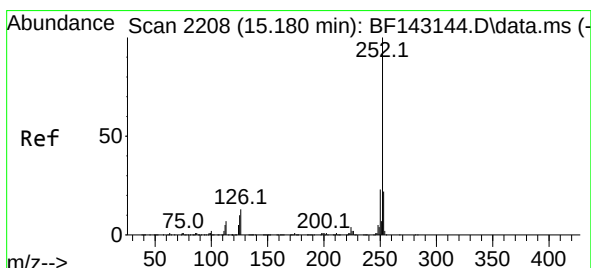
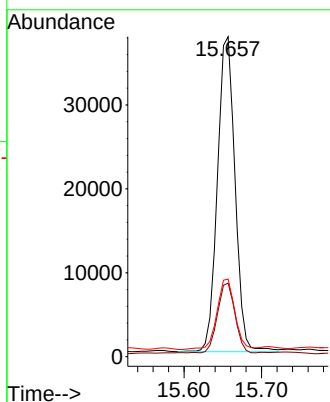
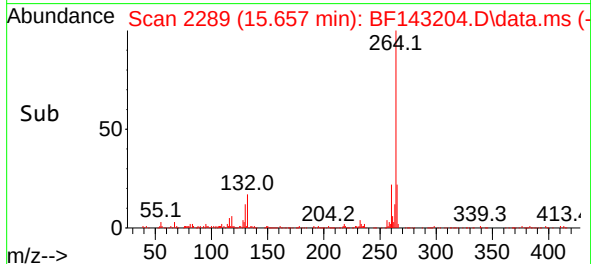
Instrument :
BNA_F
ClientSampleId :
PAD-072125-1



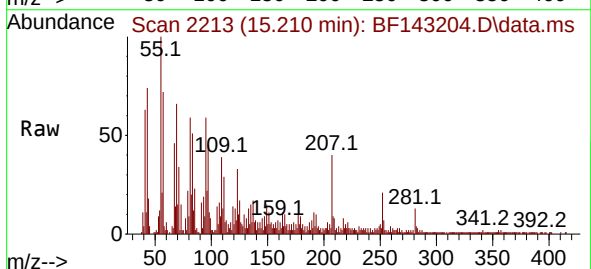
Tgt Ion:264 Resp: 59390
Ion Ratio Lower Upper
264 100
260 23.0 18.5 27.7
265 24.2 17.4 26.2

Manual Integrations
APPROVED

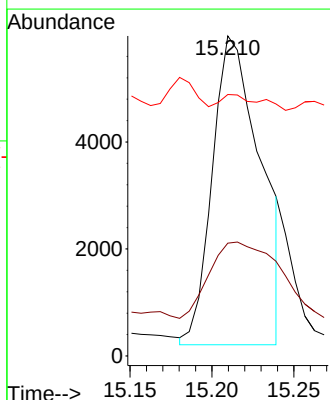
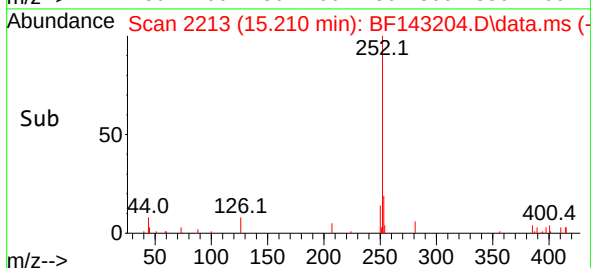
Reviewed By :Rahul Chavli 07/23/2025
Supervised By :Jagrut Upadhyay 07/23/2025

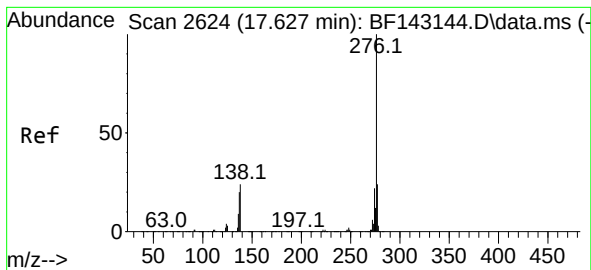


#88
Benzo(b)fluoranthene
Concen: 3.248 ng m
RT: 15.210 min Scan# 2213
Delta R.T. 0.030 min
Lab File: BF143204.D
Acq: 22 Jul 2025 22:46



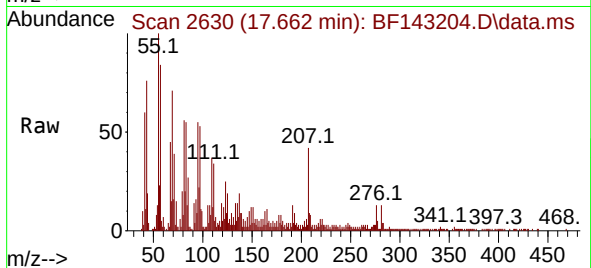
Tgt Ion:252 Resp: 11786
Ion Ratio Lower Upper
252 100
253 35.3 17.5 26.3#
125 81.7 8.0 12.0#





#92
 Benzo(g,h,i)perylene
 Concen: 2.571 ng
 RT: 17.662 min Scan# 20
 Delta R.T. 0.035 min
 Lab File: BF143204.D
 Acq: 22 Jul 2025 22:46

Instrument :
 BNA_F
 ClientSampleId :
 PAD-072125-1



Tgt Ion:	276	Resp:	8478
Ion Ratio	Lower	Upper	
276	100		
277	35.6	19.1	28.75
138	66.7	18.9	28.35

Manual Integrations
 APPROVED

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

