

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144221.D
 Acq On : 12 Nov 2025 00:26
 Operator : RC/JU
 Sample : Q3588-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-11072025

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Jagrut Upadhyay 11/12/2025

Quant Time: Nov 12 03:48:51 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	74399	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	277551	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	146485	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	218101	20.000	ng	0.00
76) Chrysene-d12	14.051	240	173666	20.000	ng	0.00
86) Perylene-d12	15.539	264	155628	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	318362	66.963	ng	0.00
7) Phenol-d6	6.498	99	377337	70.046	ng	0.00
23) Nitrobenzene-d5	7.433	82	238905	49.713	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	108046	58.778	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	496938	50.104	ng	0.00
79) Terphenyl-d14	12.992	244	436541	39.927	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	11.427	178	24065	2.216	ng	97
75) Fluoranthene	12.621	202	43796	3.904	ng	98
78) Pyrene	12.851	202	39379	2.812	ng	98
81) Benzo(a)anthracene	14.045	228	24234m	2.013	ng	
88) Benzo(b)fluoranthene	15.104	252	24982m	2.824	ng	
90) Benzo(a)pyrene	15.474	252	16366	2.005	ng	# 91

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

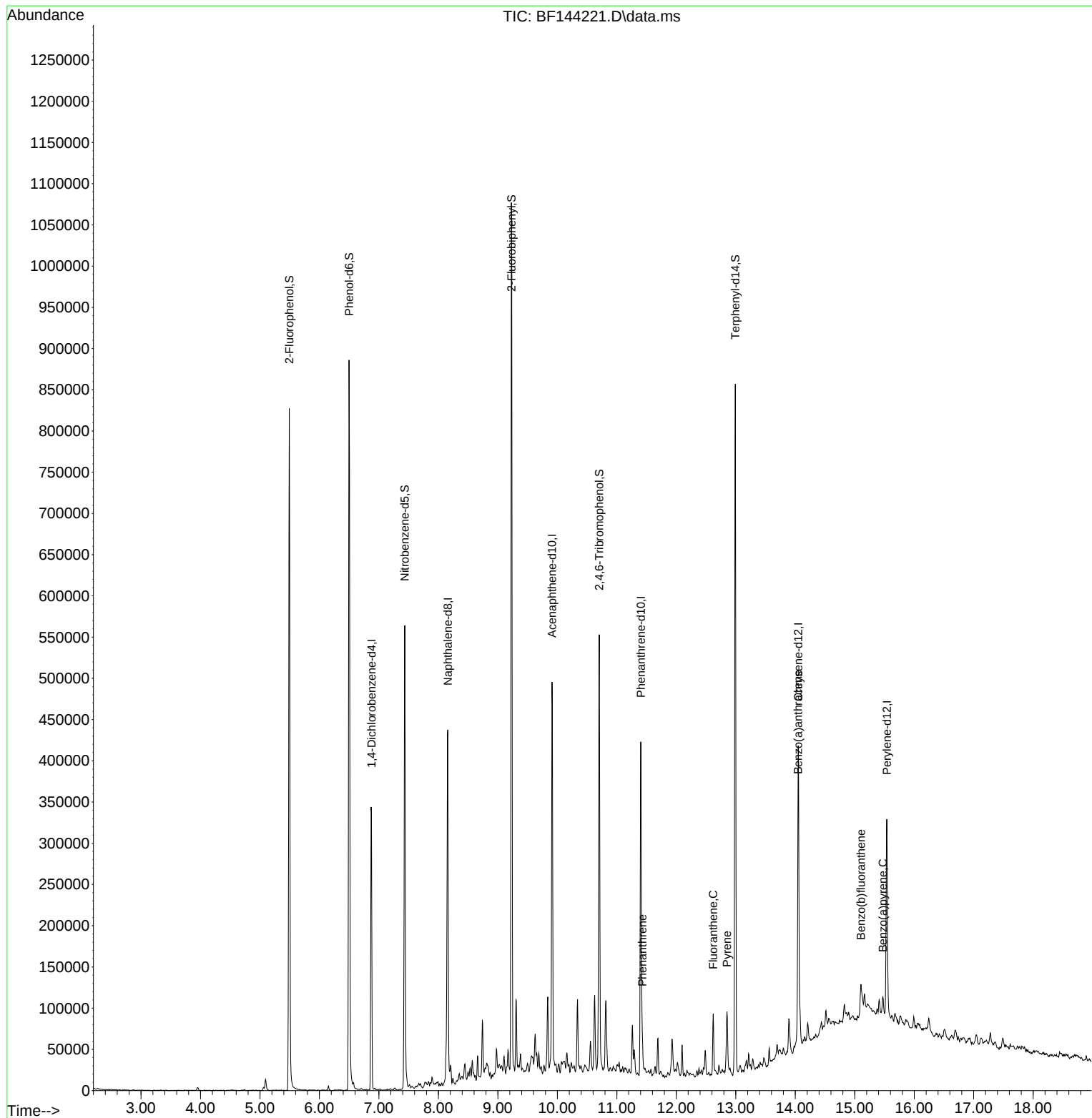
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
Data File : BF144221.D
Acq On : 12 Nov 2025 00:26
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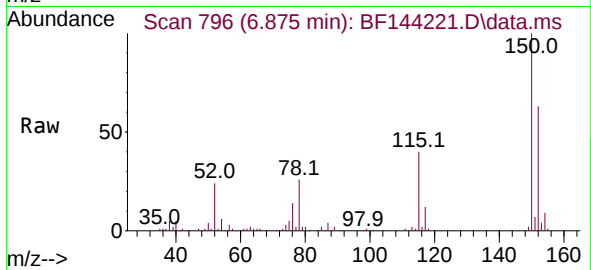
Quant Time: Nov 12 03:48:51 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 05 18:37:33 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 796
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

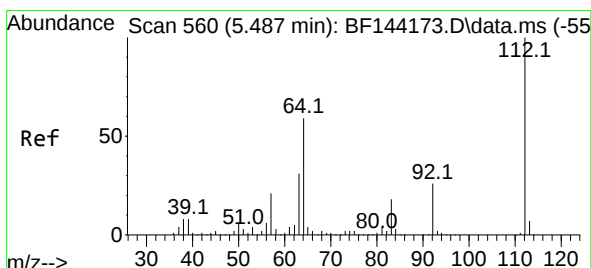
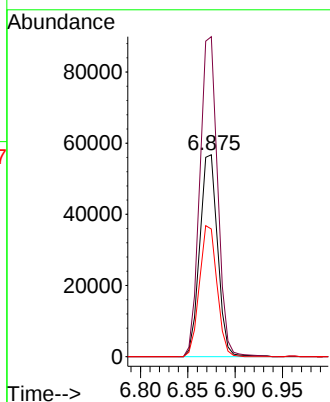
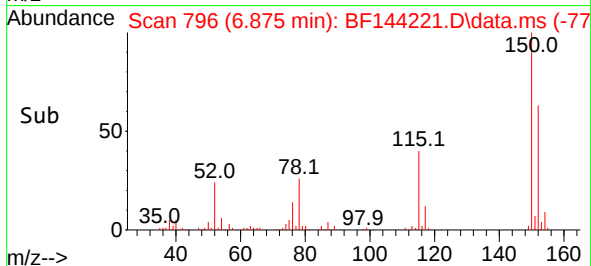
Instrument :
BNA_F
ClientSampleId :
TR-06-11072025



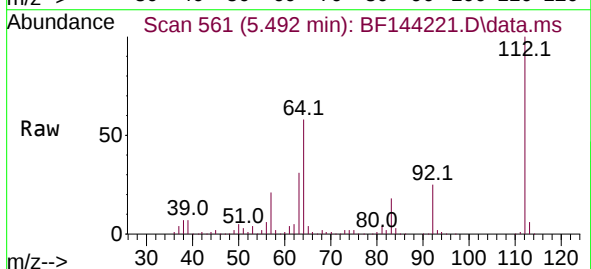
Tgt Ion:152 Resp: 74399
Ion Ratio Lower Upper
152 100
150 158.6 127.4 191.0
115 63.2 49.5 74.3

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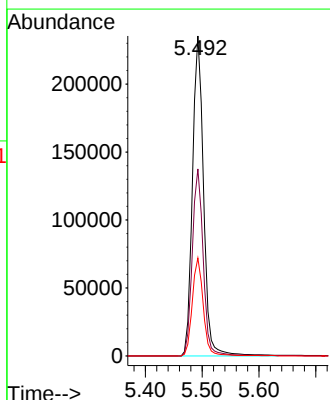
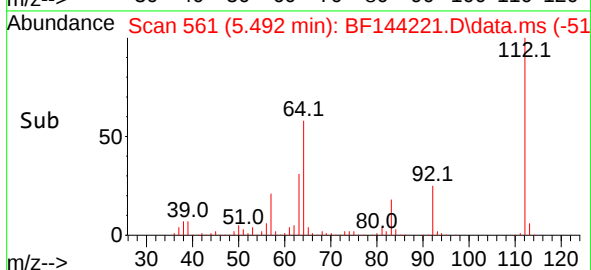
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

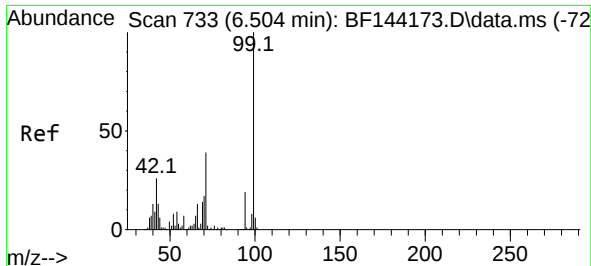


#5
2-Fluorophenol
Concen: 66.963 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26



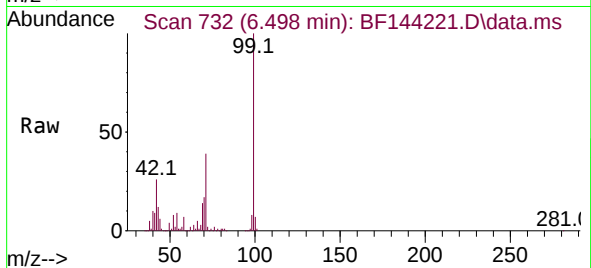
Tgt Ion:112 Resp: 318362
Ion Ratio Lower Upper
112 100
64 58.5 47.2 70.8
63 30.6 24.4 36.6





#7
Phenol-d6
Concen: 70.046 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

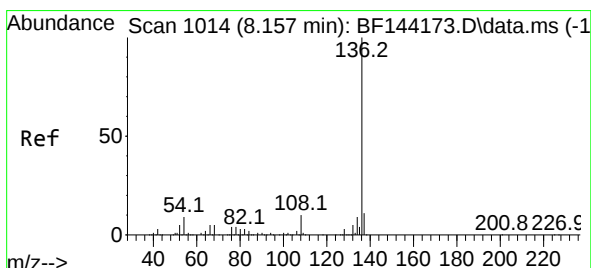
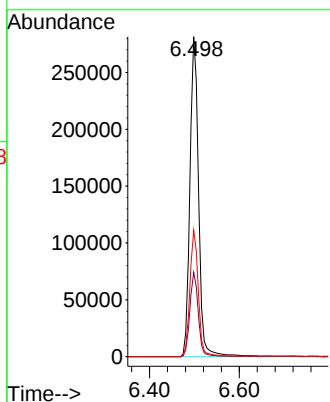
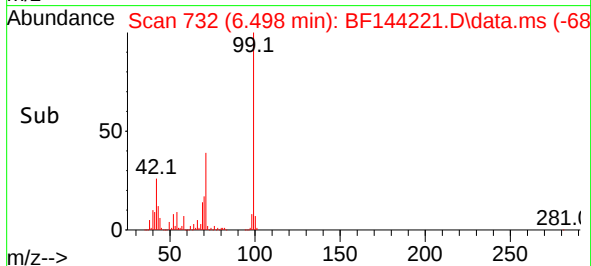
Instrument :
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ClientSampleId :
TR-06-11072025



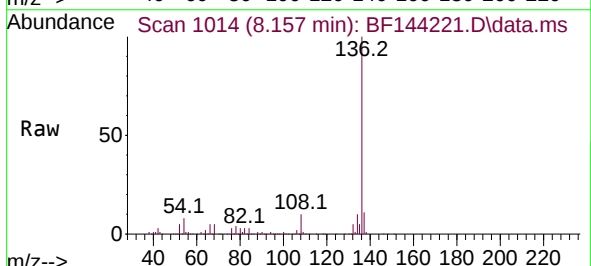
Tgt Ion: 99 Resp: 37733
Ion Ratio Lower Upper
99 100
42 26.3 20.9 31.3
71 39.5 31.4 47.2

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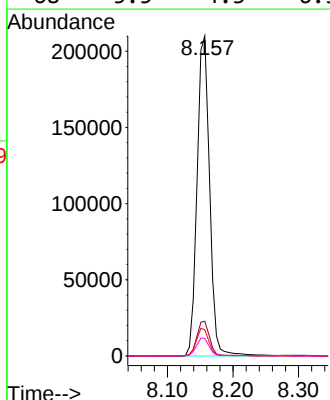
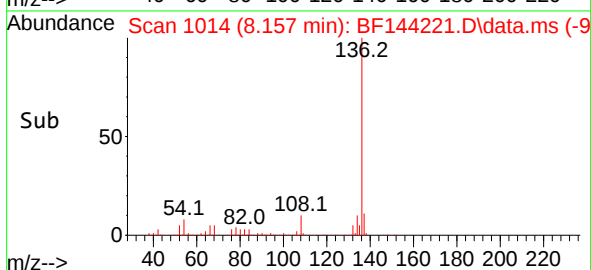
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

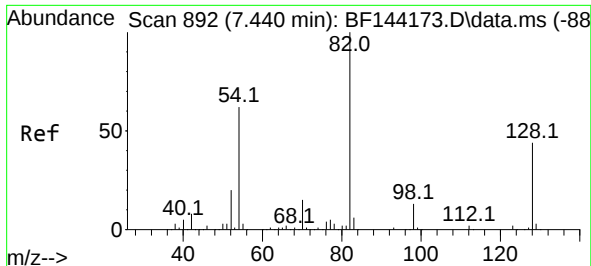


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26



Tgt Ion:136 Resp: 277551
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.2 7.0 10.6
68 5.5 4.3 6.5





#23

Nitrobenzene-d5

Concen: 49.713 ng

RT: 7.433 min Scan# 89

Delta R.T. -0.000 min

Lab File: BF144221.D

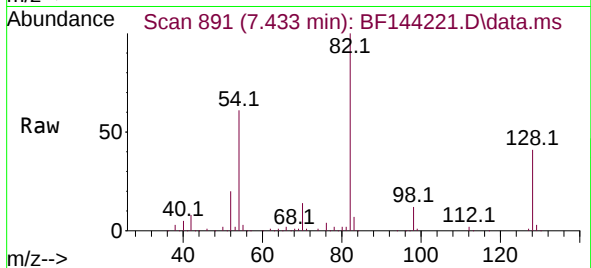
Acq: 12 Nov 2025 00:26

Instrument :

BNA_F

ClientSampleId :

TR-06-11072025



Tgt Ion: 82 Resp: 238905

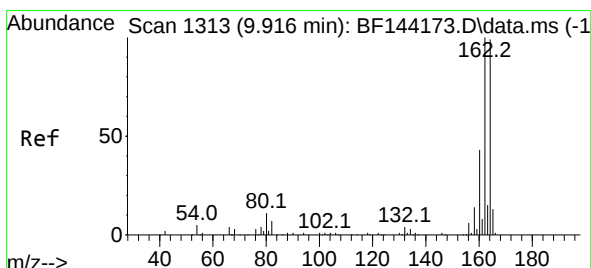
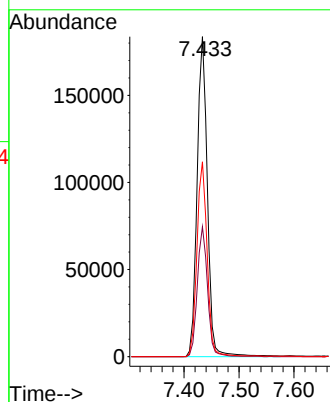
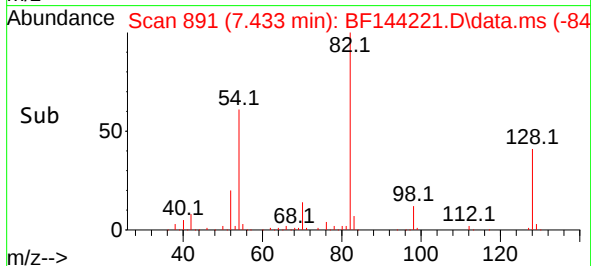
Ion	Ratio	Lower	Upper
82	100		
128	40.6	34.7	52.1
54	60.9	49.5	74.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1312

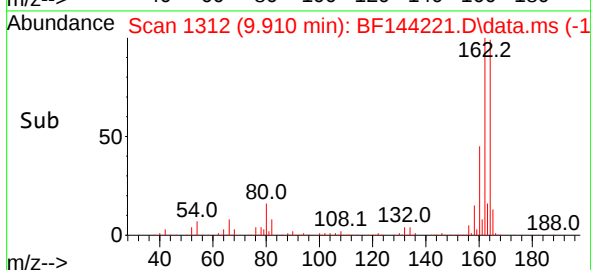
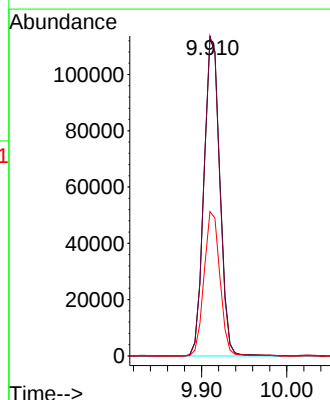
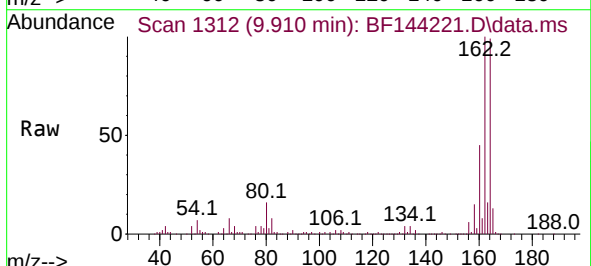
Delta R.T. -0.006 min

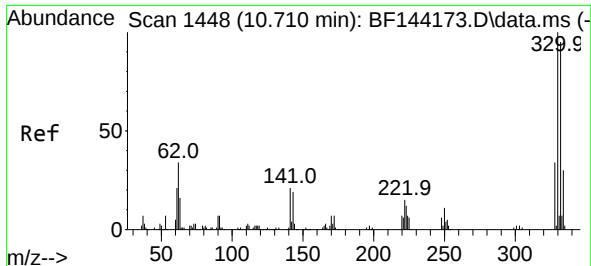
Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

Tgt Ion:164 Resp: 146485

Ion	Ratio	Lower	Upper
164	100		
162	100.9	81.1	121.7
160	45.5	34.5	51.7





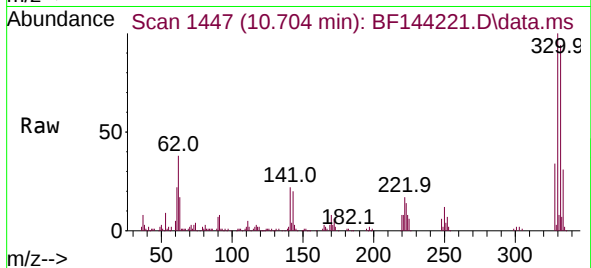
#42
2,4,6-Tribromophenol
Concen: 58.778 ng
RT: 10.704 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

Instrument :

BNA_F

ClientSampleId :

TR-06-11072025



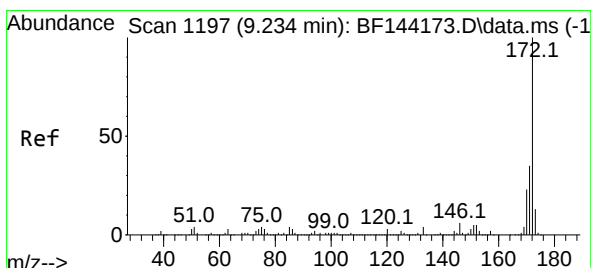
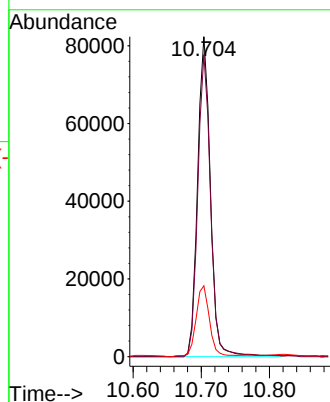
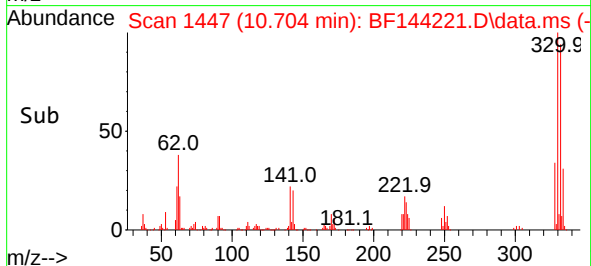
Tgt Ion:330 Resp: 108046
Ion Ratio Lower Upper
330 100
332 93.5 76.7 115.1
141 23.2 17.8 26.8

Manual Integrations

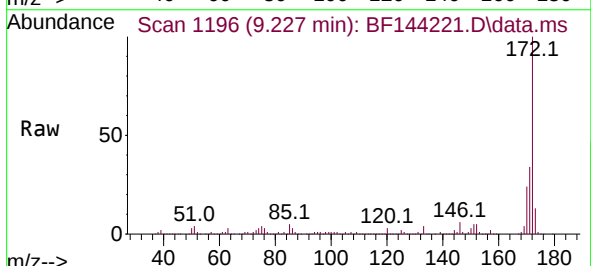
APPROVED

Reviewed By :Rahul Chavli 11/12/2025

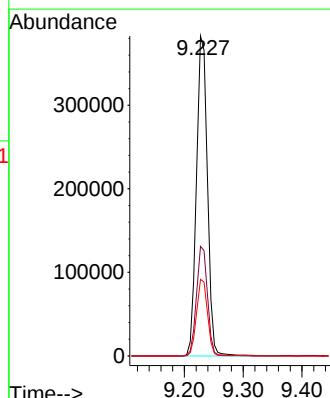
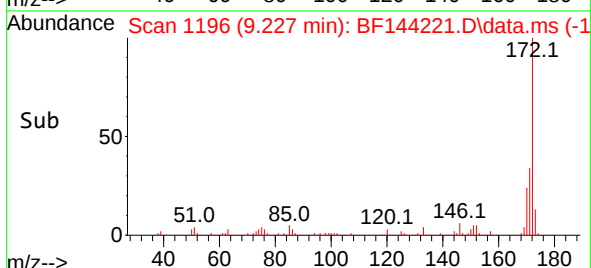
Supervised By :Jagrut Upadhyay 11/12/2025

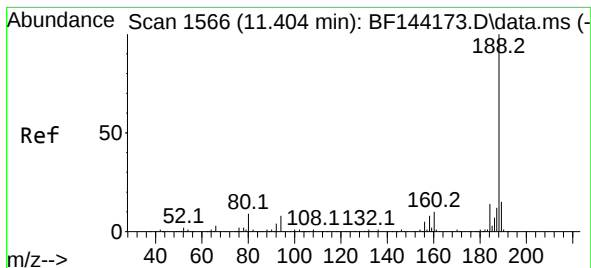


#45
2-Fluorobiphenyl
Concen: 50.104 ng
RT: 9.227 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26



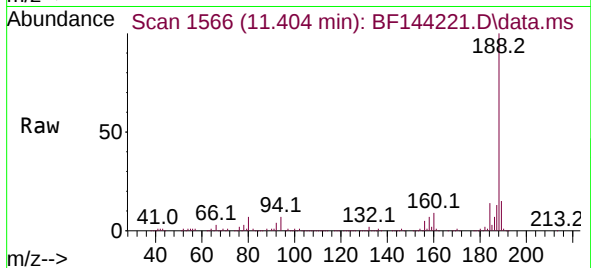
Tgt Ion:172 Resp: 496938
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 23.9 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

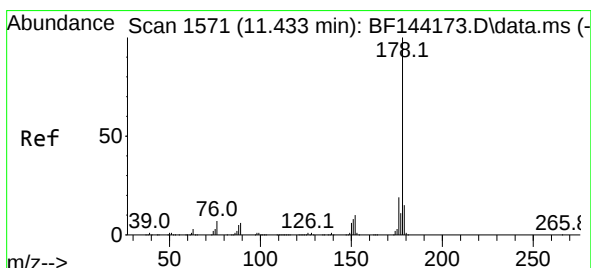
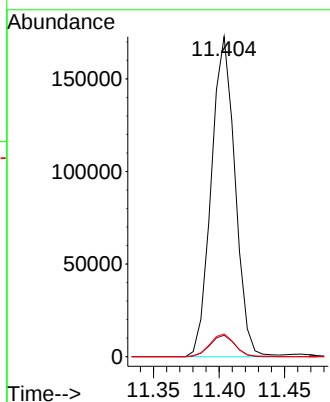
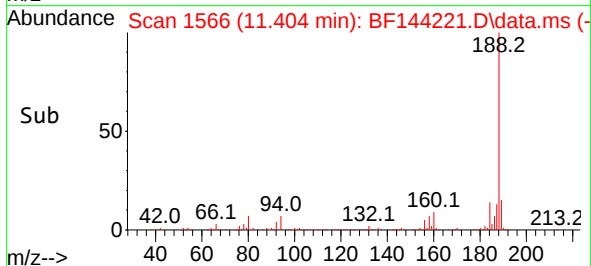
Instrument :
BNA_F
ClientSampleId :
TR-06-11072025



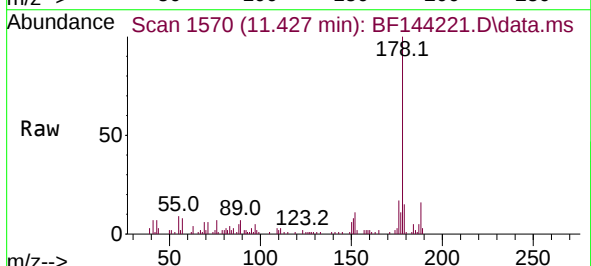
Tgt Ion:188 Resp: 21810
Ion Ratio Lower Upper
188 100
94 6.7 6.2 9.2
80 7.1 6.9 10.3

Manual Integrations
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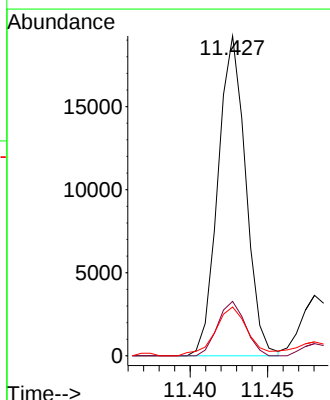
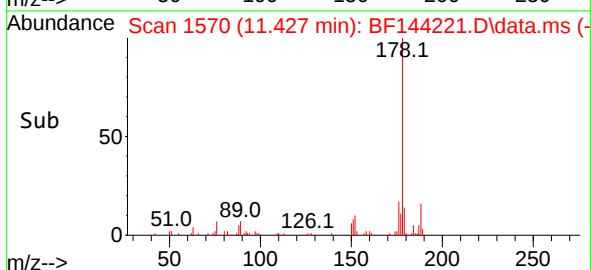
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

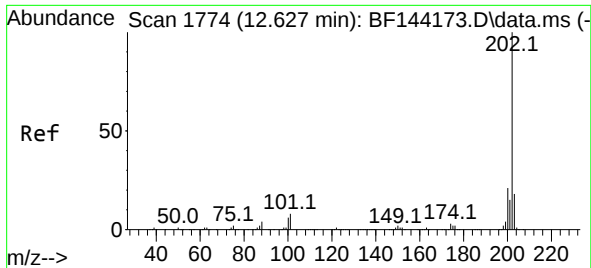


#71
Phenanthrene
Concen: 2.216 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26



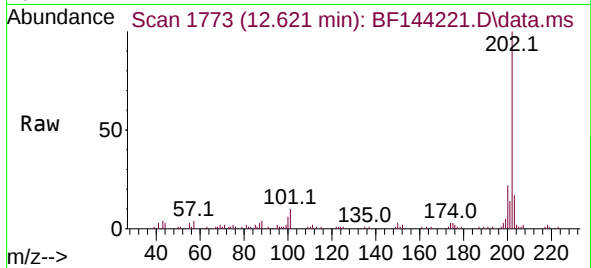
Tgt Ion:178 Resp: 24065
Ion Ratio Lower Upper
178 100
176 17.0 15.5 23.3
179 15.3 12.2 18.4





#75
Fluoranthene
Concen: 3.904 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

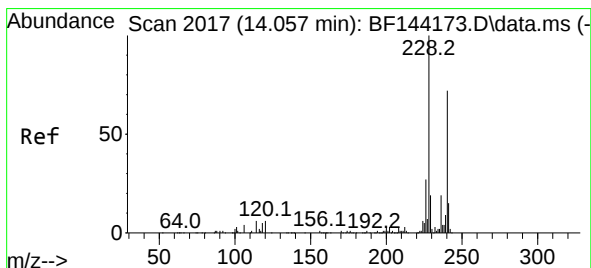
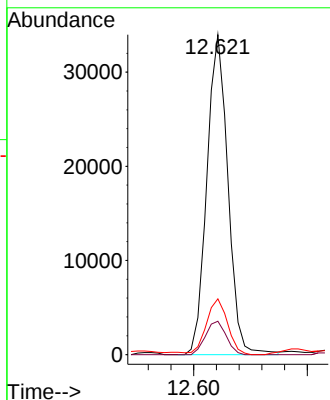
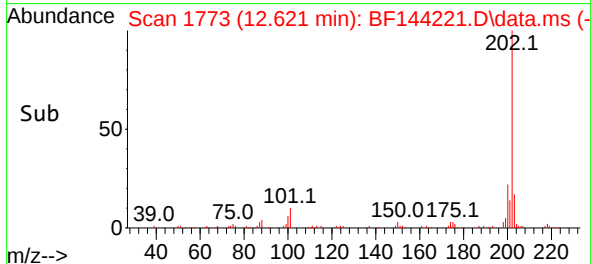
Instrument :
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Tgt Ion:202 Resp: 43796
Ion Ratio Lower Upper
202 100
101 10.4 0.0 27.9
203 17.4 0.0 37.5

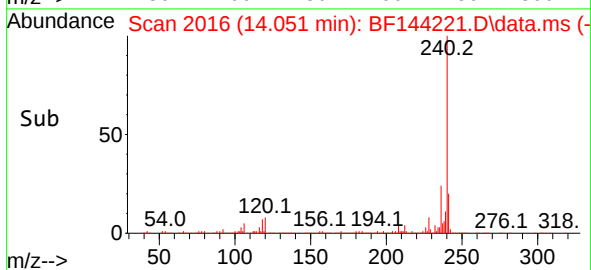
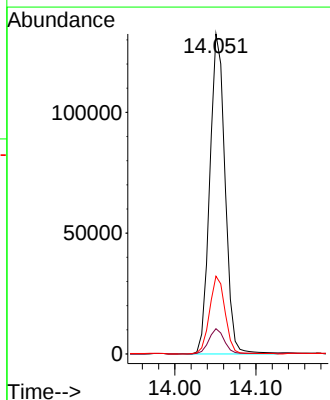
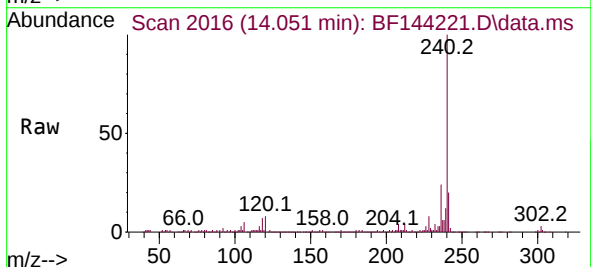
Manual Integrations
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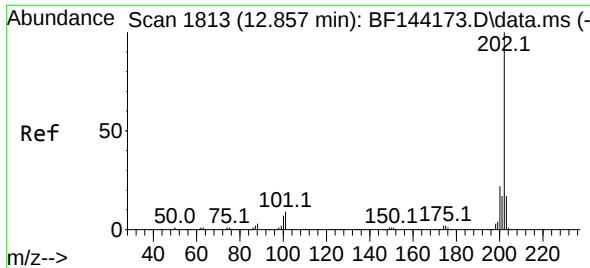
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

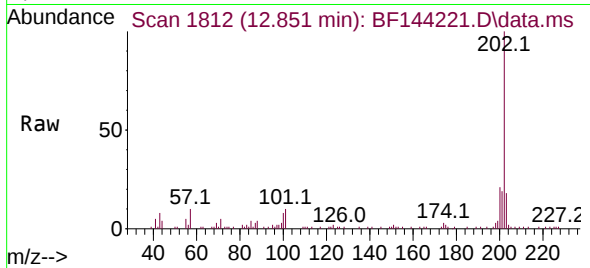
Tgt Ion:240 Resp: 173666
Ion Ratio Lower Upper
240 100
120 7.9 6.6 10.0
236 24.3 21.4 32.2





#78
Pyrene
Concen: 2.812 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

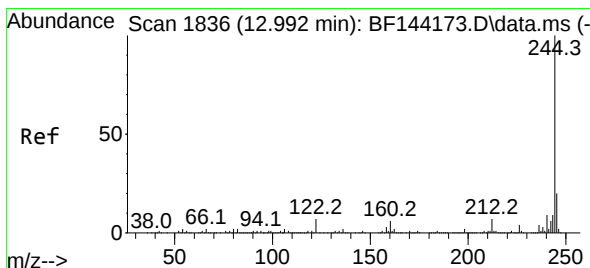
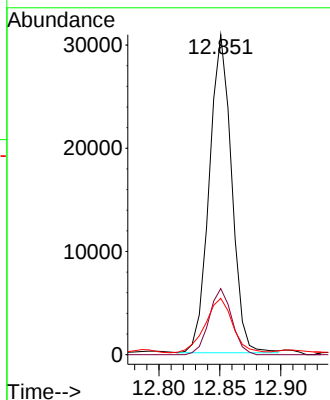
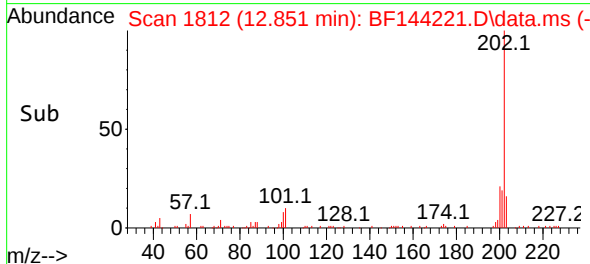
Instrument :
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TR-06-11072025



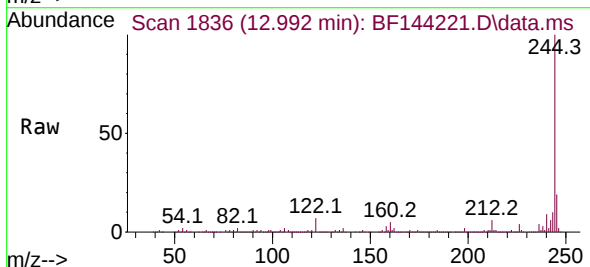
Tgt Ion:202 Resp: 39379
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 17.6 13.7 20.5

Manual Integrations
APPROVED

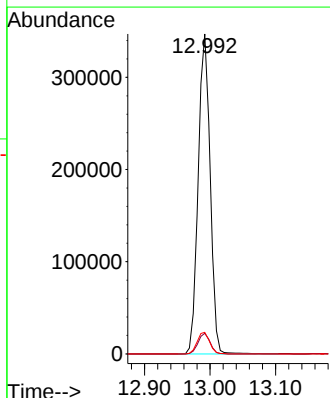
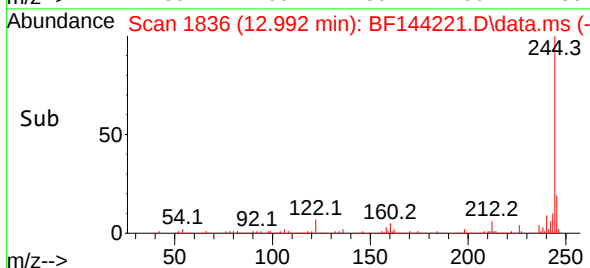
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025

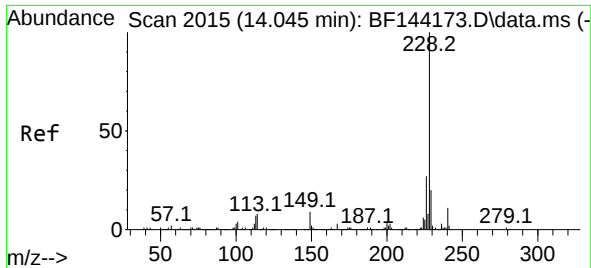


#79
Terphenyl-d14
Concen: 39.927 ng
RT: 12.992 min Scan# 1836
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26



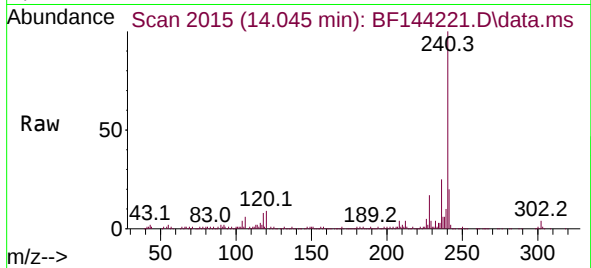
Tgt Ion:244 Resp: 436541
Ion Ratio Lower Upper
244 100
212 6.4 5.3 7.9
122 6.7 5.6 8.4





#81
Benzo(a)anthracene
Concen: 2.013 ng m
RT: 14.045 min Scan# 2015
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

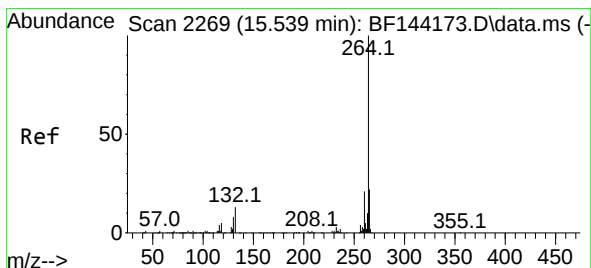
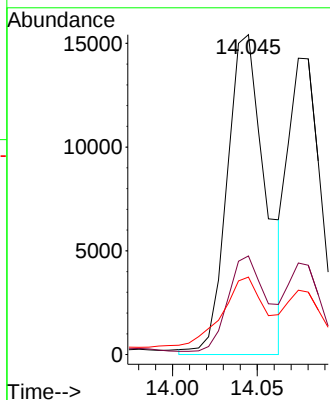
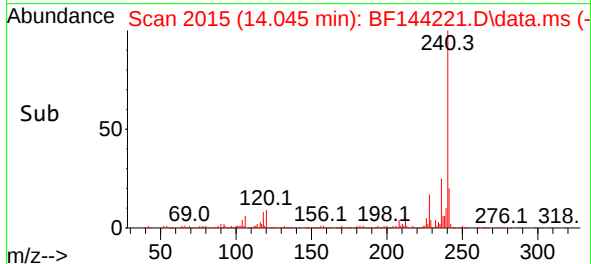
Instrument :
BNA_F
ClientSampleId :
TR-06-11072025



Tgt Ion:228 Resp: 24234
Ion Ratio Lower Upper
228 100
226 30.8 21.8 32.8
229 24.2 15.8 23.6

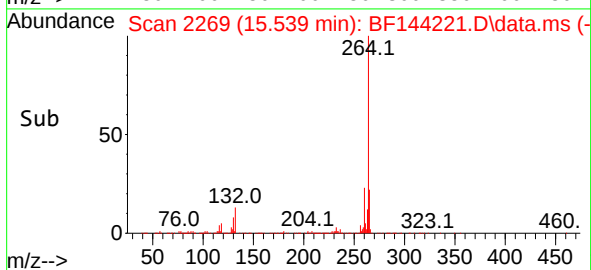
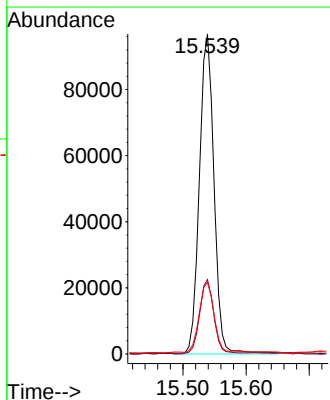
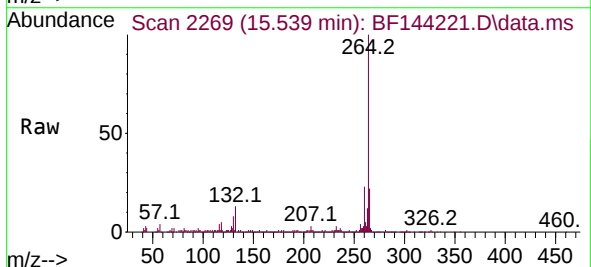
Manual Integrations
APPROVED

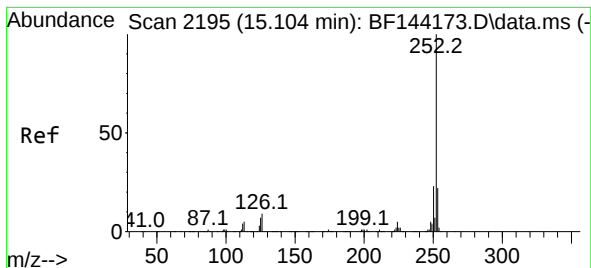
Reviewed By :Rahul Chavli 11/12/2025
Supervised By :Jagrut Upadhyay 11/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.539 min Scan# 2269
Delta R.T. -0.000 min
Lab File: BF144221.D
Acq: 12 Nov 2025 00:26

Tgt Ion:264 Resp: 155628
Ion Ratio Lower Upper
264 100
260 23.2 17.1 25.7
265 22.4 17.4 26.0





#88

Benzo(b)fluoranthene

Concen: 2.824 ng m

RT: 15.104 min Scan# 2195

Delta R.T. 0.006 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

Instrument :

BNA_F

ClientSampleId :

TR-06-11072025

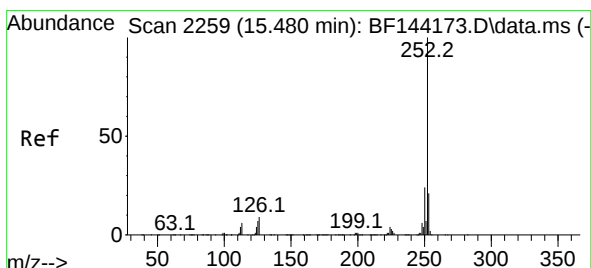
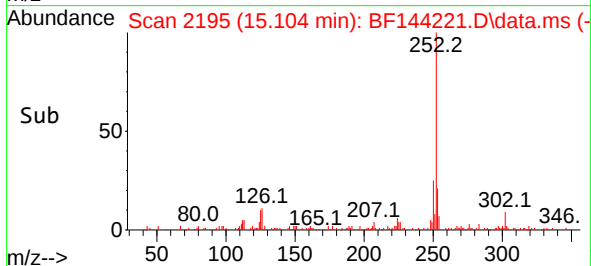
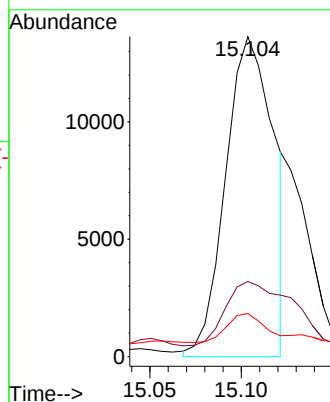
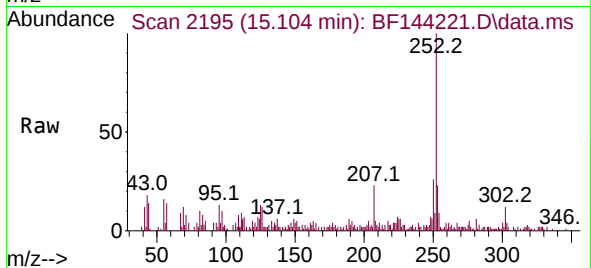
Tgt Ion:	252	Resp:	2498
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.4	26.2
125	13.5	5.3	7.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 11/12/2025

Supervised By :Jagrut Upadhyay 11/12/2025



#90

Benzo(a)pyrene

Concen: 2.005 ng

RT: 15.474 min Scan# 2258

Delta R.T. -0.000 min

Lab File: BF144221.D

Acq: 12 Nov 2025 00:26

Tgt Ion:	252	Resp:	16366
Ion Ratio	Lower	Upper	
252	100		
253	24.9	16.7	25.1
125	10.9	5.7	8.5

