

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143967.D
 Acq On : 15 Oct 2025 22:20
 Operator : RC/JU
 Sample : Q3337-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAYDOWN-YARD-1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025

Quant Time: Oct 16 11:11:58 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	155567	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	550009	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	256060	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	428608	20.00	ng	0.00
76) Chrysene-d12	14.063	240	369362	20.00	ng	0.00
86) Perylene-d12	15.551	264	308055	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	348415	35.57	ng	0.00
7) Phenol-d6	6.498	99	411079	35.20	ng	-0.02
23) Nitrobenzene-d5	7.439	82	231267	25.55	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	69673	27.32	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	430001	26.65	ng	-0.01
79) Terphenyl-d14	12.998	244	390571	18.07	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	81936	3.94	ng	97
75) Fluoranthene	12.627	202	133042	6.20	ng	97
78) Pyrene	12.857	202	117705	3.82	ng	99
81) Benzo(a)anthracene	14.051	228	60729	2.51	ng	# 90
83) Chrysene	14.086	228	54577	2.44	ng	# 91
84) Bis(2-ethylhexyl)phtha...	14.039	149	160094	13.28	ng	98
88) Benzo(b)fluoranthene	15.115	252	52587m	2.97	ng	
90) Benzo(a)pyrene	15.480	252	34284	2.23	ng	# 72

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

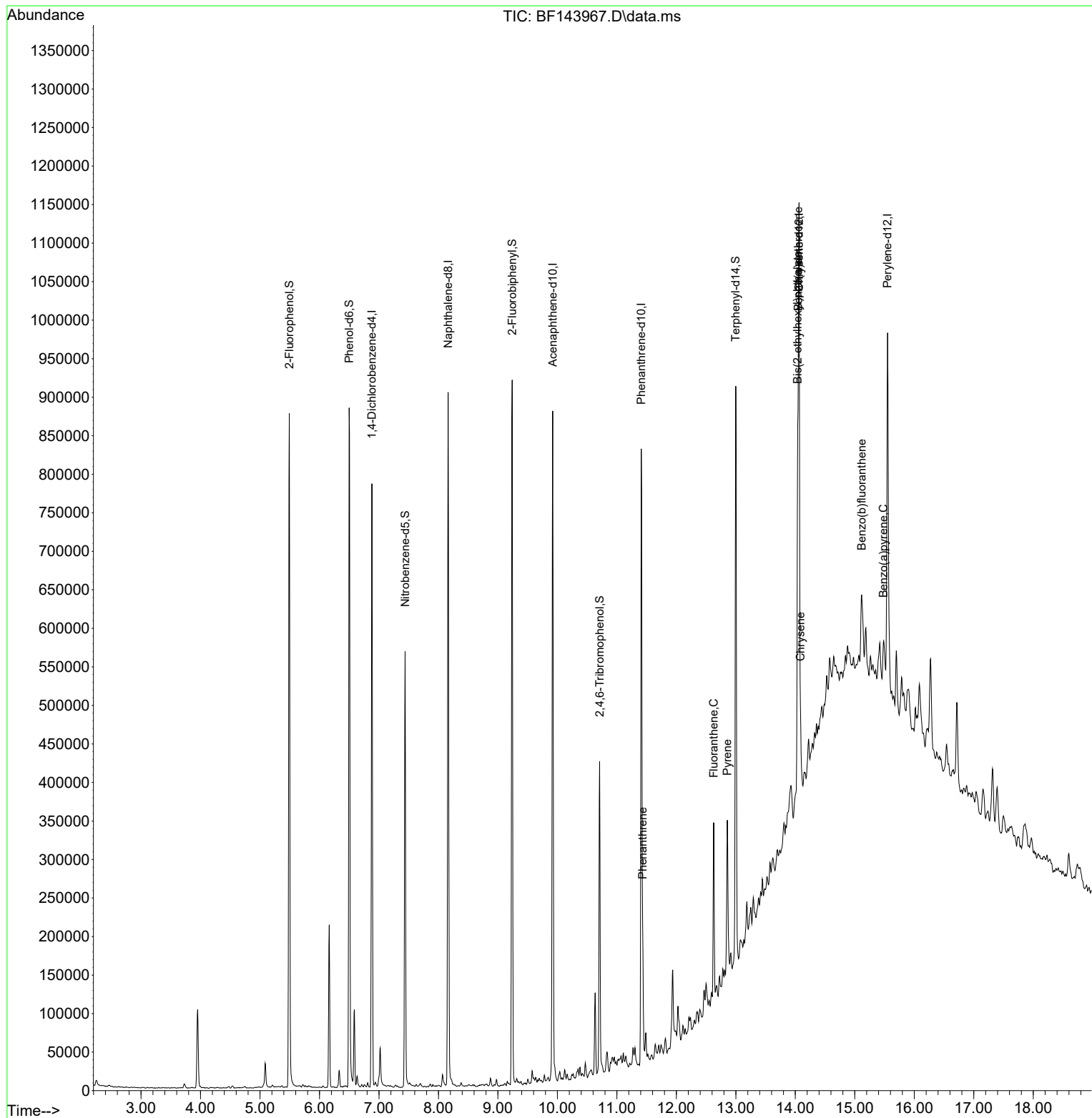
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143967.D
Acq On : 15 Oct 2025 22:20
Operator : RC/JU
Sample : Q3337-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

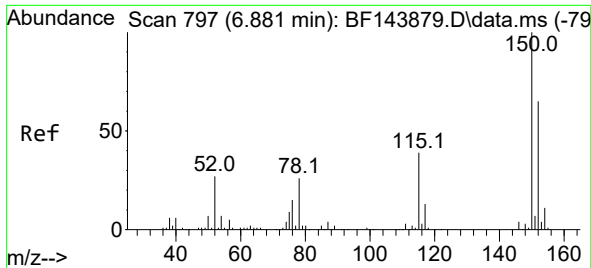
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

Quant Time: Oct 16 11:11:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration

Manual Integrations
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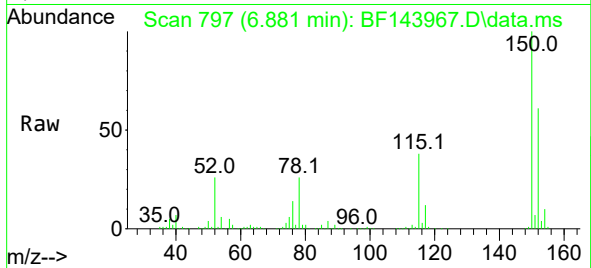
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

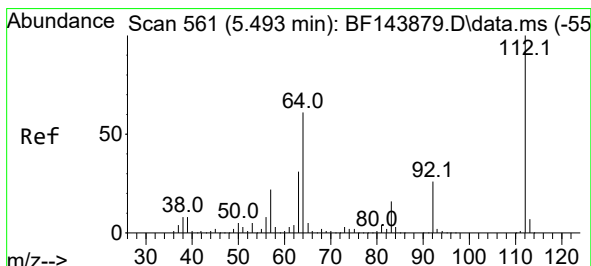
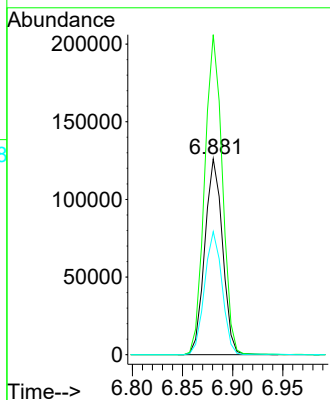
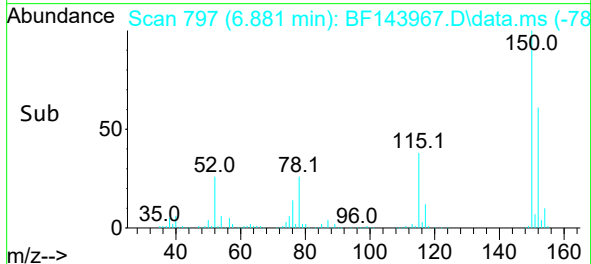
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1



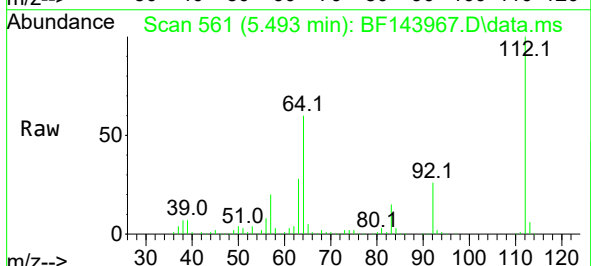
Tgt Ion:152 Resp: 15556
Ion Ratio Lower Upper
152 100
150 163.3 124.4 186.6
115 62.8 48.1 72.1

Manual Integrations
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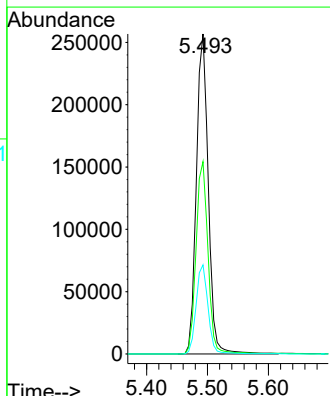
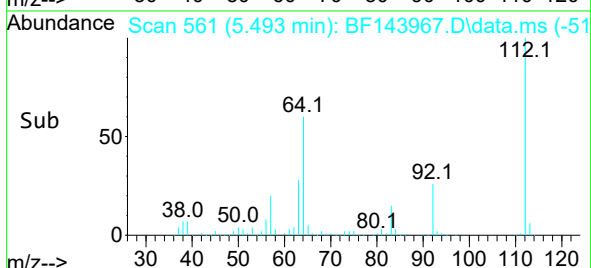
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

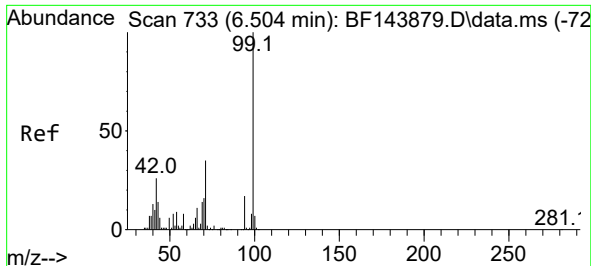


#5
2-Fluorophenol
Concen: 35.57 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20



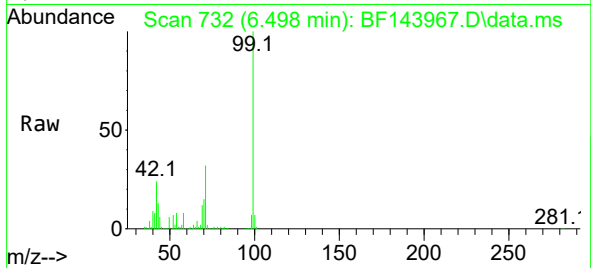
Tgt Ion:112 Resp: 348415
Ion Ratio Lower Upper
112 100
64 60.1 49.1 73.7
63 27.9 24.5 36.7





#7
Phenol-d6
Concen: 35.20 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

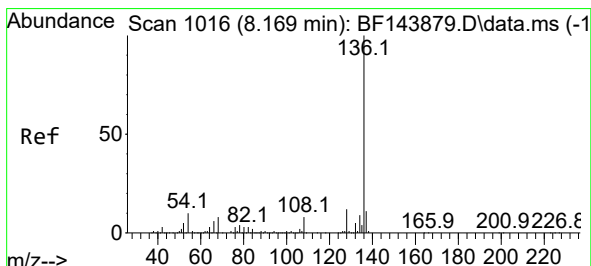
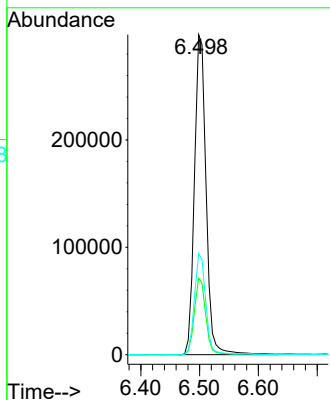
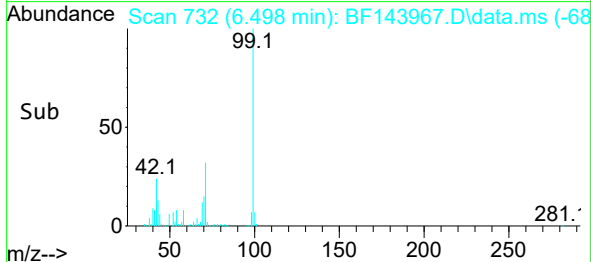
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1



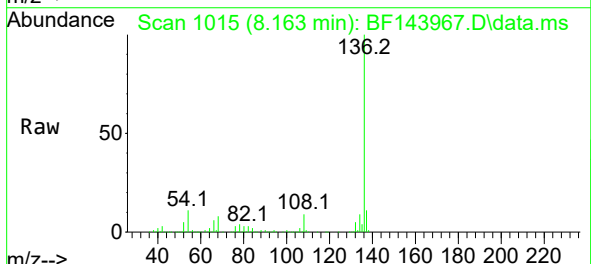
Tgt Ion: 99 Resp: 411079
Ion Ratio Lower Upper
99 100
42 23.9 21.0 31.4
71 31.6 27.8 41.8

Manual Integrations
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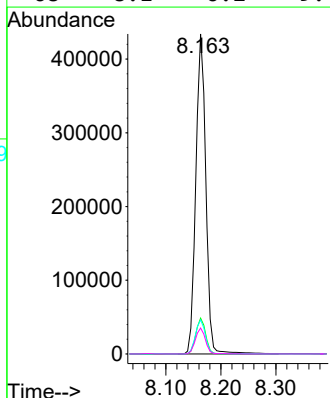
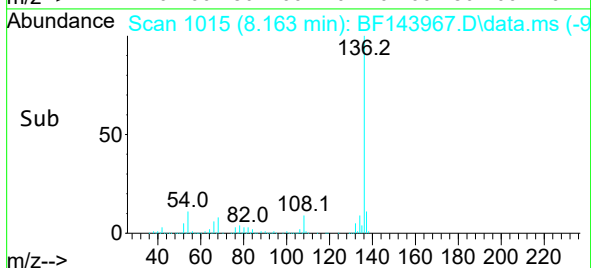
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

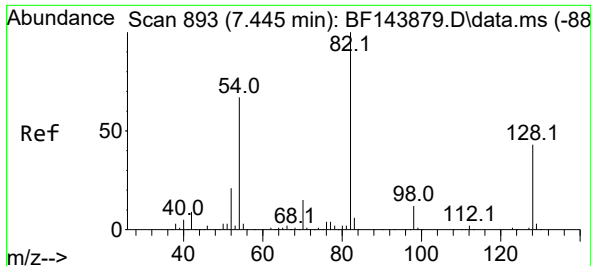


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20



Tgt Ion:136 Resp: 550009
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 10.7 8.2 12.4
68 8.1 6.2 9.4





#23

Nitrobenzene-d5

Concen: 25.55 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1

Tgt Ion: 82 Resp: 23126

Ion Ratio Lower Upper

82 100

128 43.0 34.0 51.0

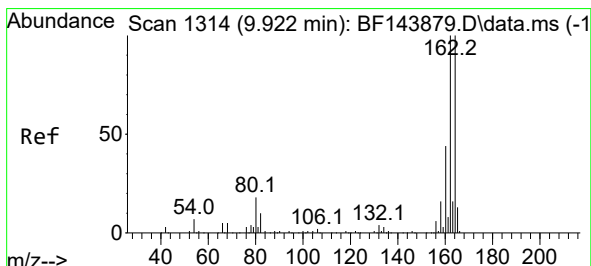
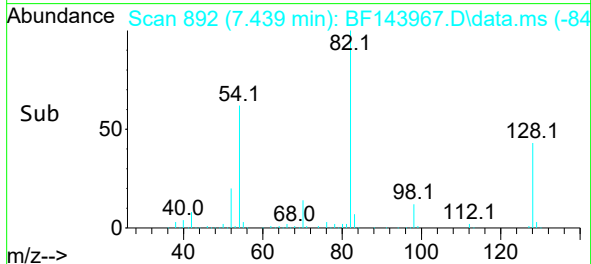
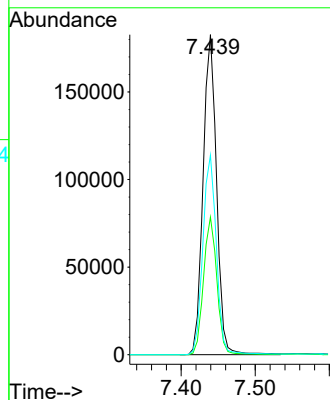
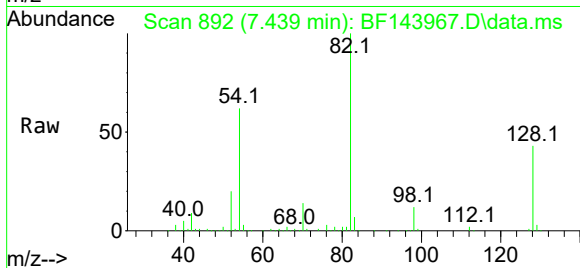
54 62.3 53.2 79.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#39

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.922 min Scan# 1314

Delta R.T. -0.005 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

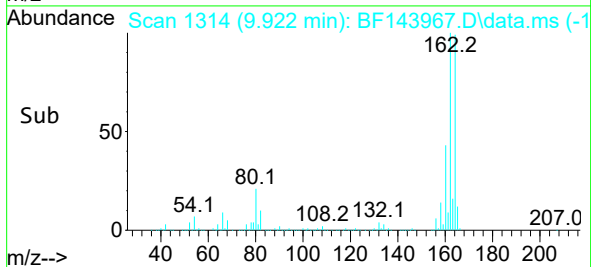
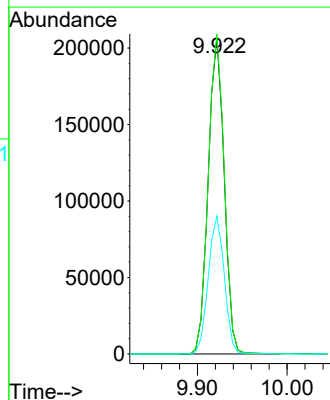
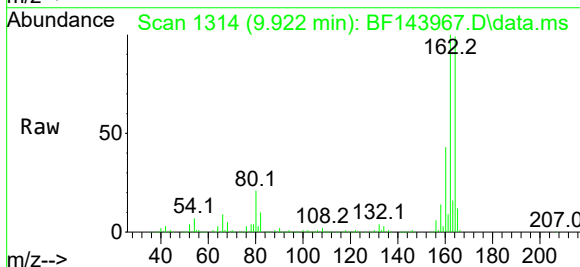
Tgt Ion:164 Resp: 256060

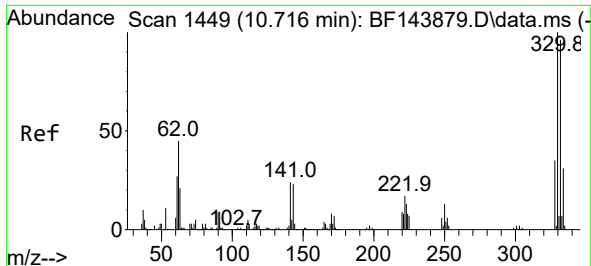
Ion Ratio Lower Upper

164 100

162 101.1 80.2 120.2

160 43.6 35.4 53.0





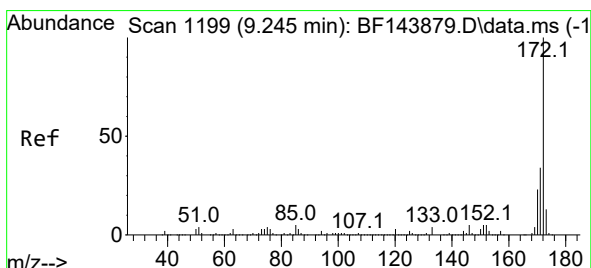
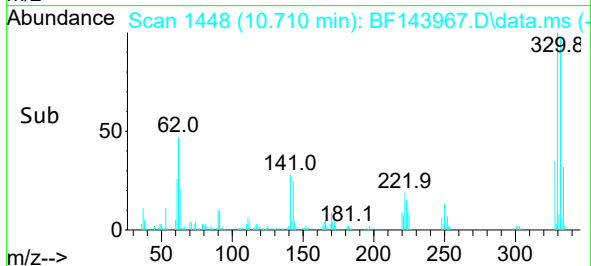
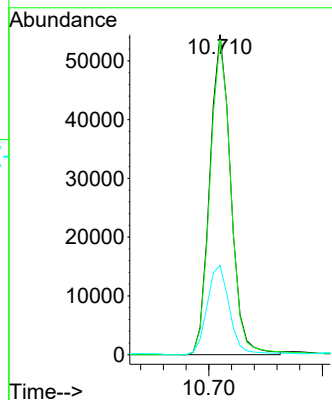
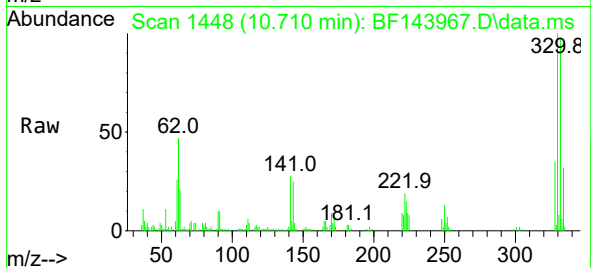
#42
2,4,6-Tribromophenol
Concen: 27.32 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

Tgt Ion:330 Resp: 6967
Ion Ratio Lower Upper
330 100
332 99.7 76.9 115.3
141 30.3 20.2 30.4

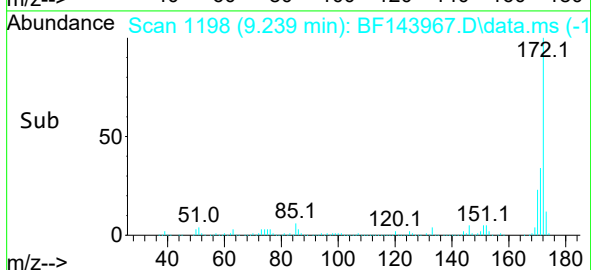
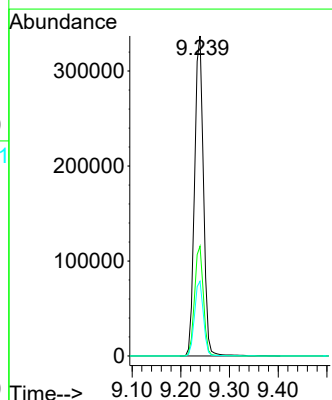
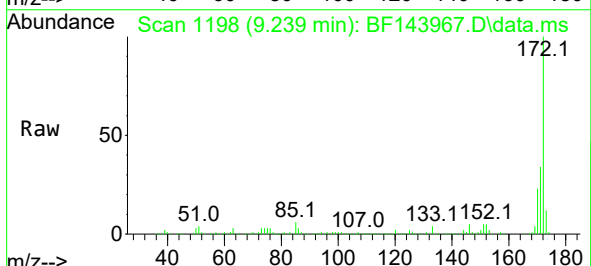
Manual Integrations
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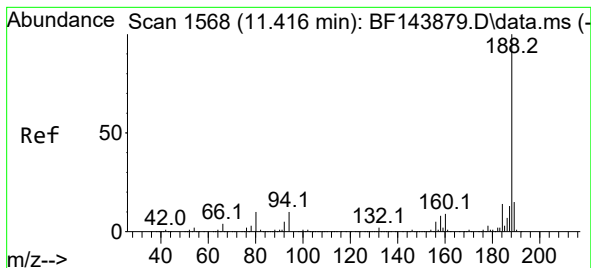
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#45
2-Fluorobiphenyl
Concen: 26.65 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:172 Resp: 430001
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.0
170 23.3 18.6 28.0





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.410 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1

Tgt Ion:188 Resp: 428608

Ion Ratio Lower Upper

188 100

94 10.2 7.8 11.6

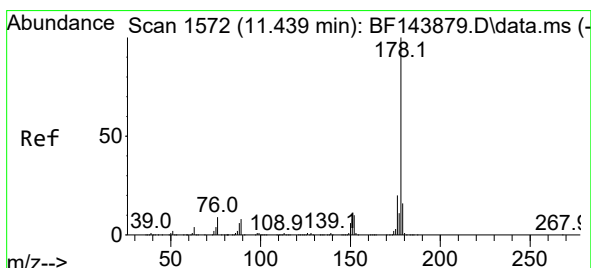
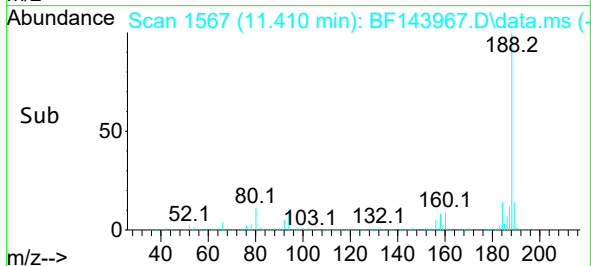
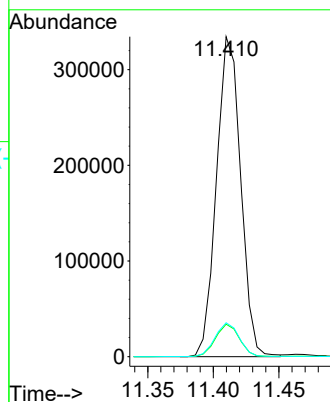
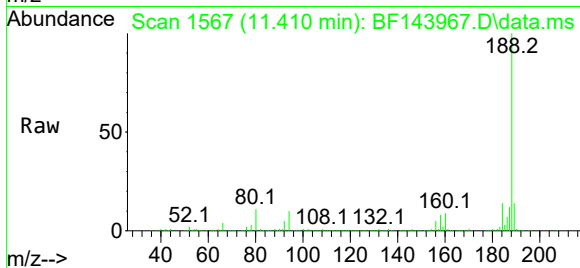
80 10.6 7.9 11.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#71

Phenanthrene

Concen: 3.94 ng

RT: 11.433 min Scan# 1571

Delta R.T. -0.012 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

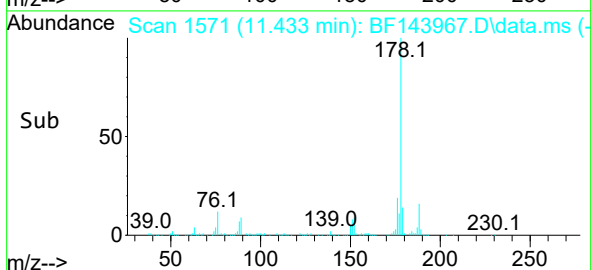
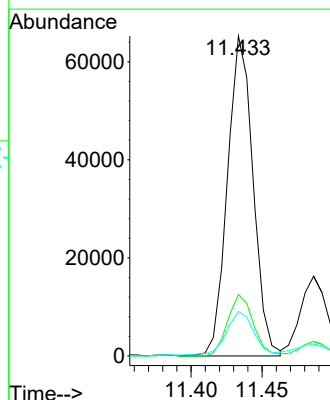
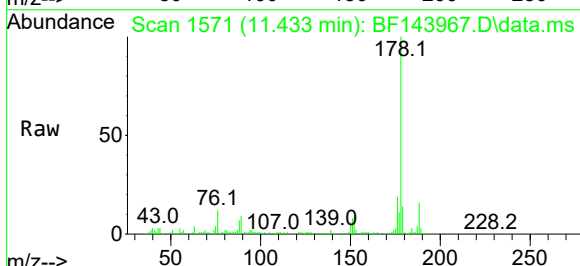
Tgt Ion:178 Resp: 81936

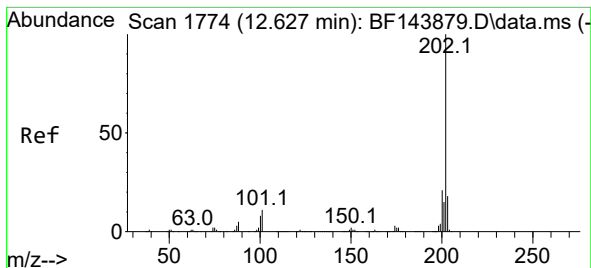
Ion Ratio Lower Upper

178 100

176 19.1 15.9 23.9

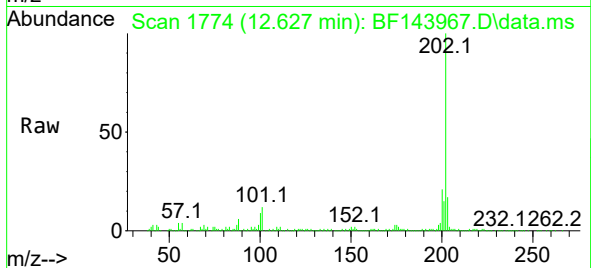
179 13.9 12.4 18.6





#75
Fluoranthene
Concen: 6.20 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

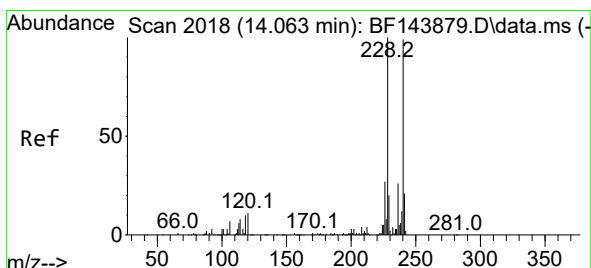
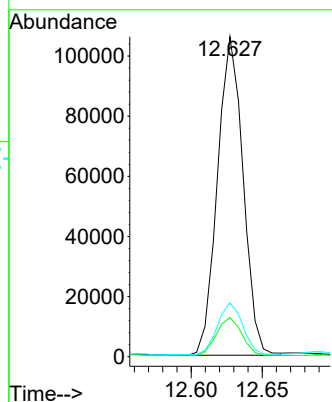
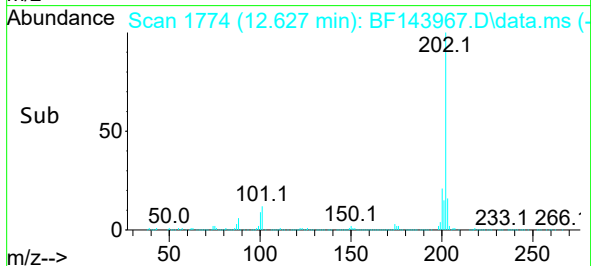
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1



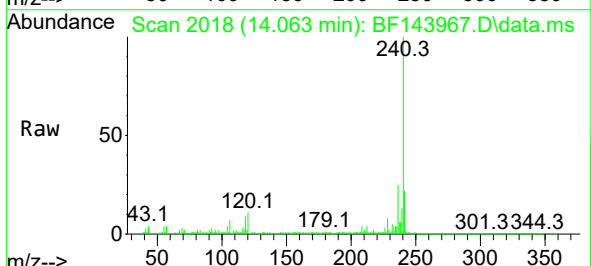
Tgt Ion:202 Resp: 13304
Ion Ratio Lower Upper
202 100
101 12.3 0.0 30.7
203 16.8 0.0 37.8

Manual Integrations
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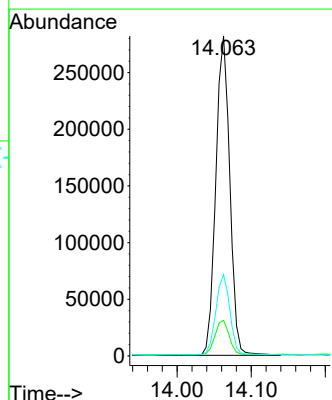
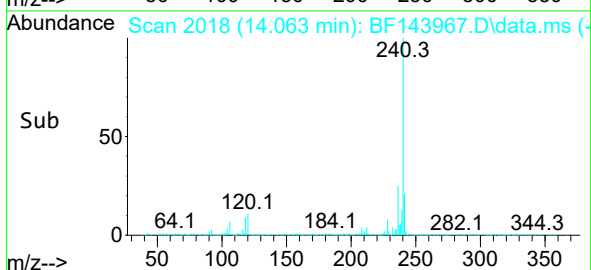
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

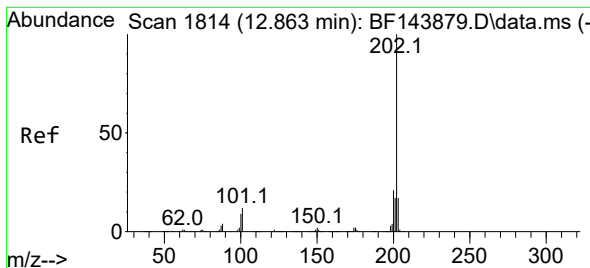


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.063 min Scan# 1818
Delta R.T. -0.005 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20



Tgt Ion:240 Resp: 369362
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 25.4 21.1 31.7





#78

Pyrene

Concen: 3.82 ng

RT: 12.857 min Scan# 1813

Delta R.T. -0.006 min

Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

Instrument :

BNA_F

ClientSampleId :

LAYDOWN-YARD-1

Tgt Ion:202 Resp: 11770

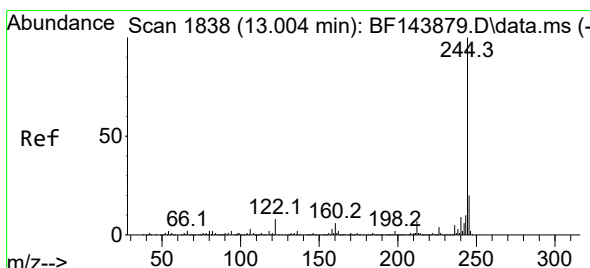
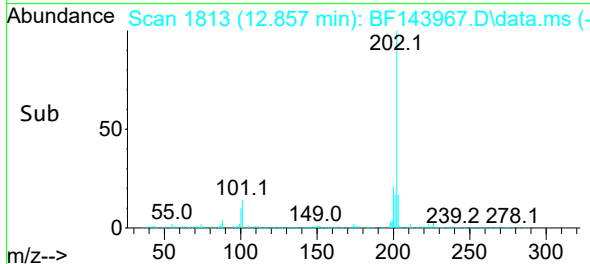
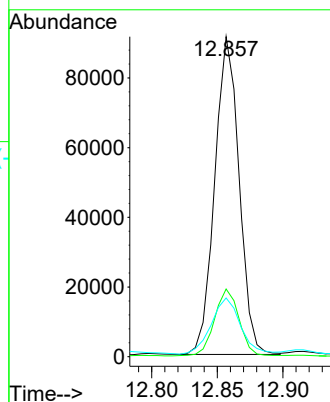
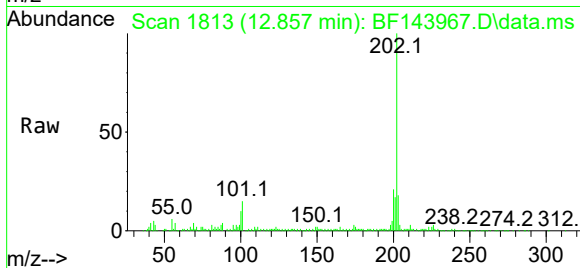
Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.6
203	18.4	13.8	20.6

Manual Integrations

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#79

Terphenyl-d14

Concen: 18.07 ng

RT: 12.998 min Scan# 1837

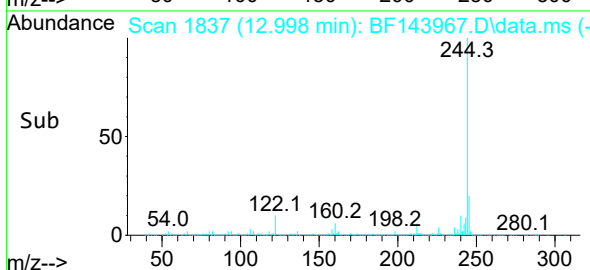
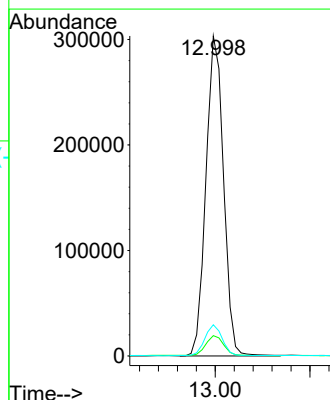
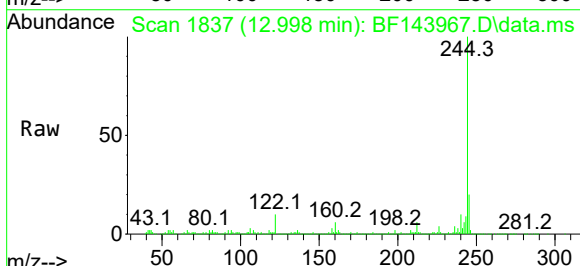
Delta R.T. -0.012 min

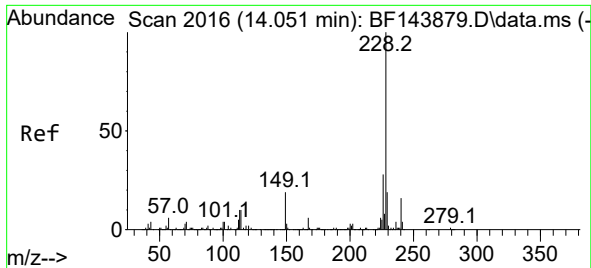
Lab File: BF143967.D

Acq: 15 Oct 2025 22:20

Tgt Ion:244 Resp: 390571

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.7	6.4	9.6





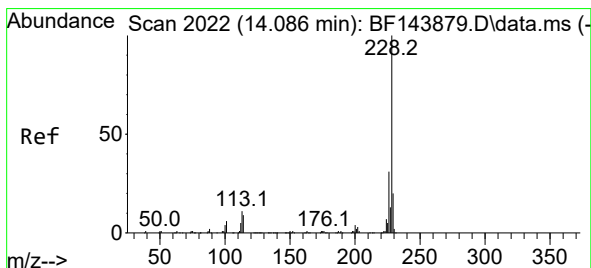
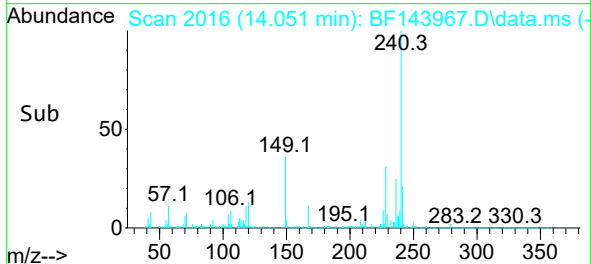
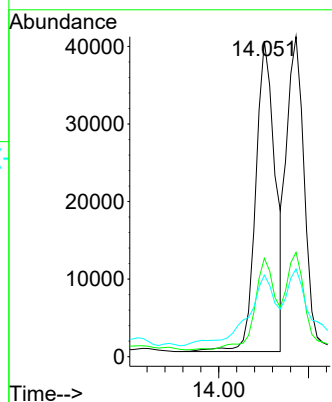
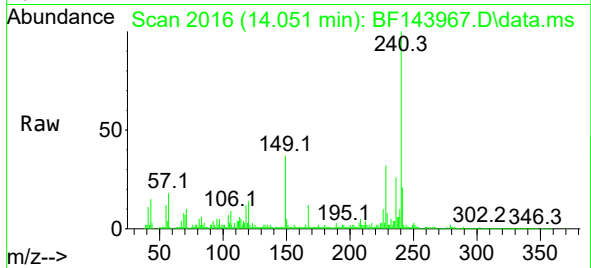
#81
Benzo(a)anthracene
Concen: 2.51 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1

Tgt Ion:228 Resp: 60729
Ion Ratio Lower Upper
228 100
226 31.2 22.2 33.2
229 25.9 15.6 23.4

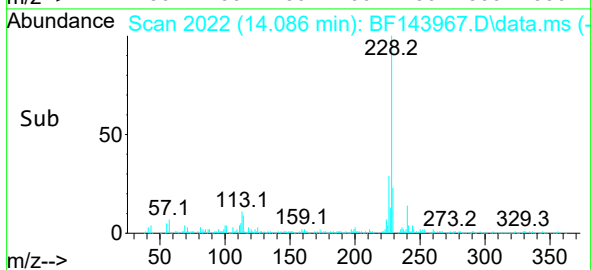
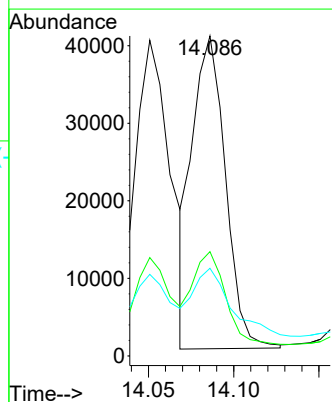
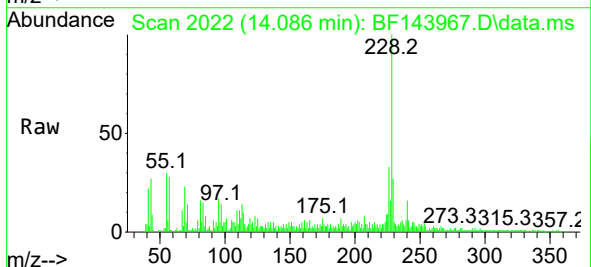
Manual Integrations
APPROVED

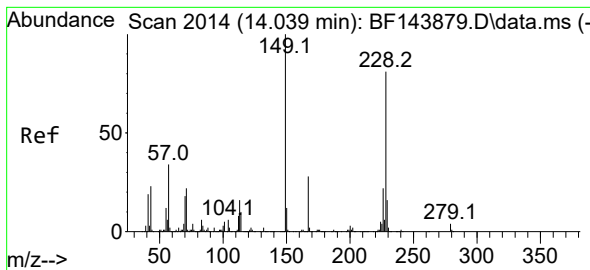
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#83
Chrysene
Concen: 2.44 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

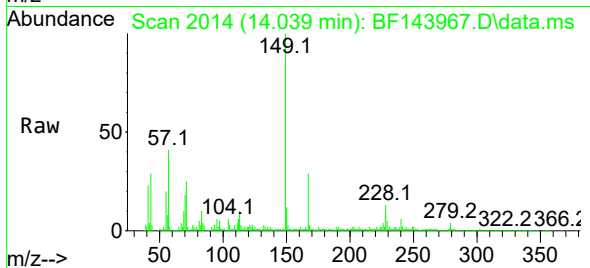
Tgt Ion:228 Resp: 54577
Ion Ratio Lower Upper
228 100
226 32.6 24.4 36.6
229 27.4 15.9 23.9





#84
Bis(2-ethylhexyl)phthalate
Concen: 13.28 ng
RT: 14.039 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

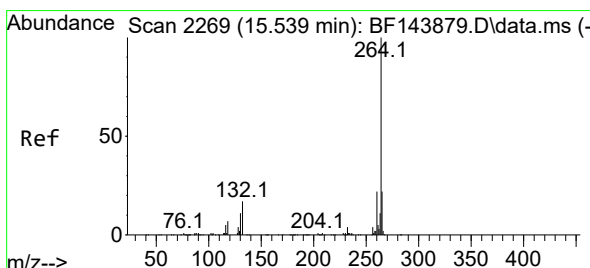
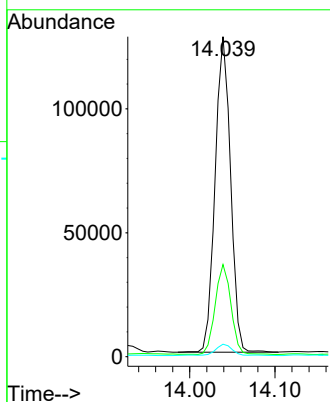
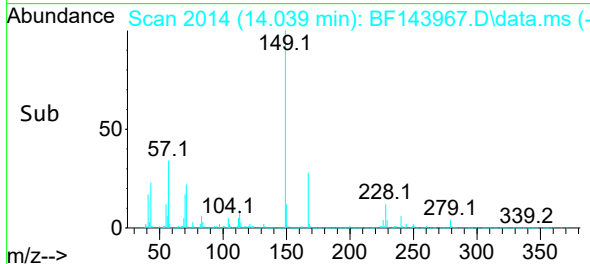
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1



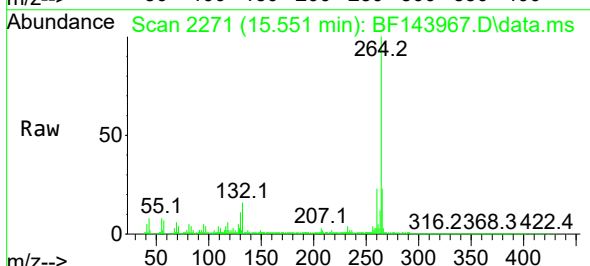
Tgt Ion:149 Resp: 160094
Ion Ratio Lower Upper
149 100
167 28.8 22.2 33.4
279 3.9 3.1 4.7

Manual Integrations
APPROVED

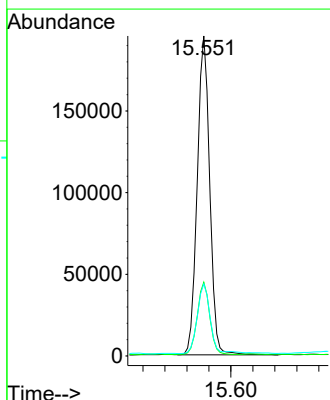
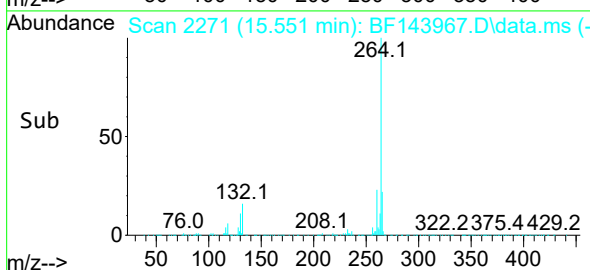
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

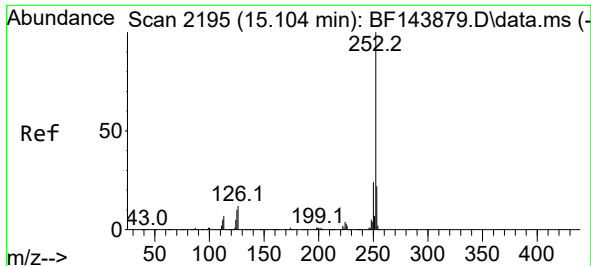


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.551 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20



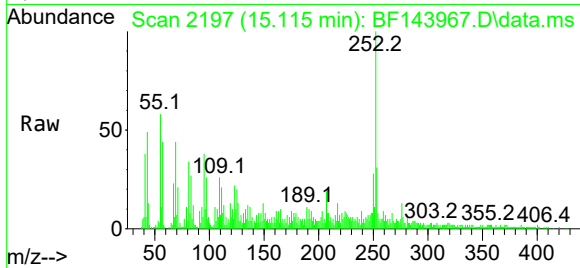
Tgt Ion:264 Resp: 308055
Ion Ratio Lower Upper
264 100
260 23.1 17.8 26.8
265 22.5 17.5 26.3





#88
Benzo(b)fluoranthene
Concen: 2.97 ng m
RT: 15.115 min Scan# 2195
Delta R.T. 0.000 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

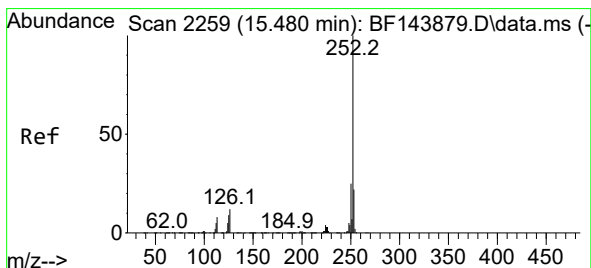
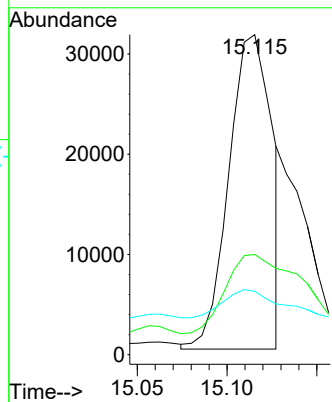
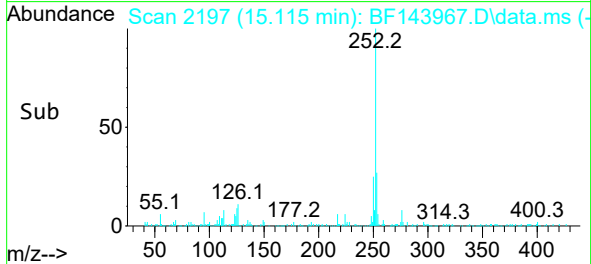
Instrument :
BNA_F
ClientSampleId :
LAYDOWN-YARD-1



Tgt Ion:252 Resp: 5258
Ion Ratio Lower Upper
252 100
253 31.3 17.4 26.2
125 19.8 7.8 11.6

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#90
Benzo(a)pyrene
Concen: 2.23 ng
RT: 15.480 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF143967.D
Acq: 15 Oct 2025 22:20

Tgt Ion:252 Resp: 34284
Ion Ratio Lower Upper
252 100
253 31.2 17.3 25.9#
125 26.0 7.0 10.4#

