

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
 Data File : BF143924.D
 Acq On : 10 Oct 2025 14:54
 Operator : RC/JU
 Sample : Q3310-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-01-2-3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
 Supervised By :mohammad ahmed 10/15/2025

Quant Time: Oct 10 15:32:02 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	113732	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	428776	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	223841	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	349222	20.000	ng	0.00
76) Chrysene-d12	14.057	240	243012	20.000	ng	-0.01
86) Perylene-d12	15.545	264	304396	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	558429	77.971	ng	0.00
7) Phenol-d6	6.504	99	637384	74.663	ng	-0.01
23) Nitrobenzene-d5	7.439	82	388896	55.104	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	144914	64.998	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	710914	50.395	ng	-0.01
79) Terphenyl-d14	12.998	244	552949	38.888	ng	-0.01
Target Compounds						
75) Fluoranthene	12.627	202	60839	3.479	ng	Qvalue 95
78) Pyrene	12.857	202	55834	2.756	ng	99
83) Chrysene	14.080	228	32635	2.217	ng	# 92
88) Benzo(b)fluoranthene	15.109	252	36981m	2.115	ng	

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

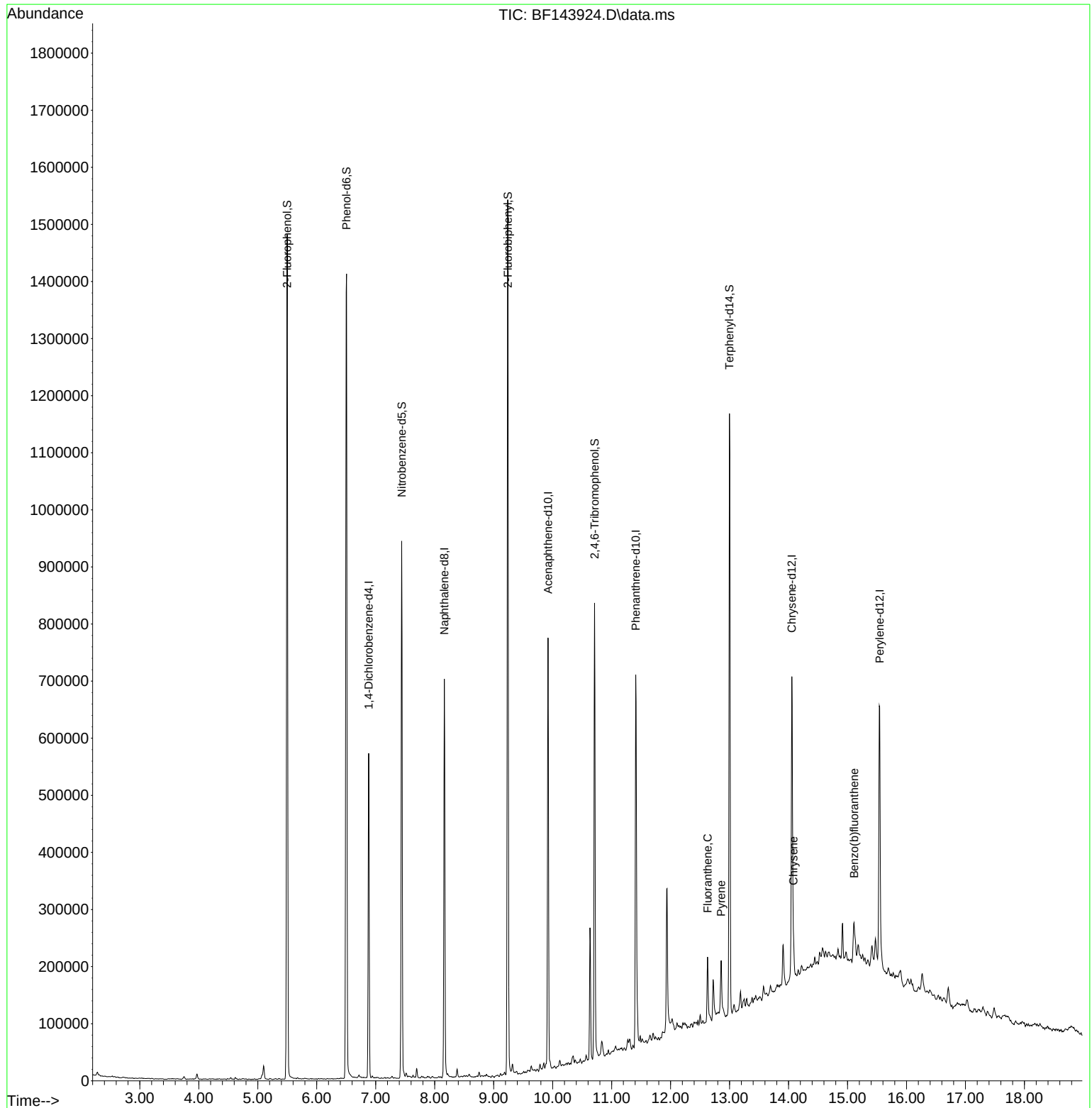
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101025\
Data File : BF143924.D
Acq On : 10 Oct 2025 14:54
Operator : RC/JU
Sample : Q3310-03
Misc :
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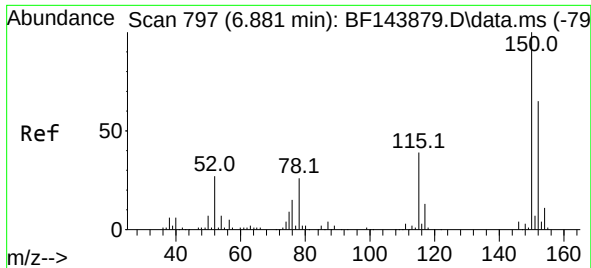
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3

Quant Time: Oct 10 15:32:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

Manual Integrations
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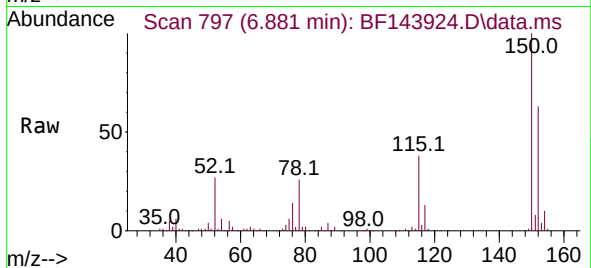
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

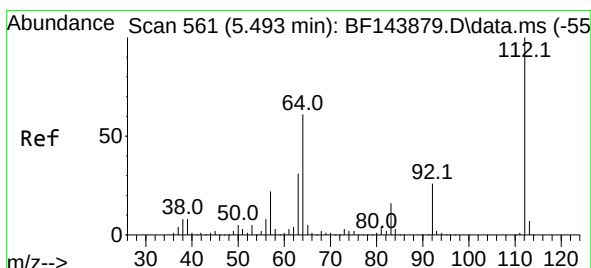
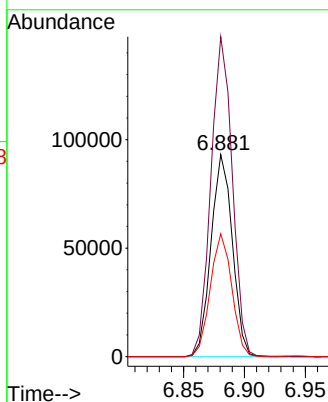
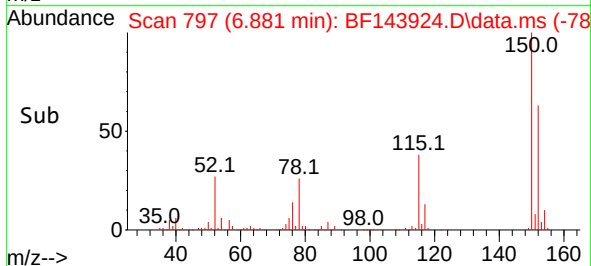
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



Tgt Ion:152 Resp: 113732
Ion Ratio Lower Upper
152 100
150 158.4 124.4 186.6
115 60.8 48.1 72.1

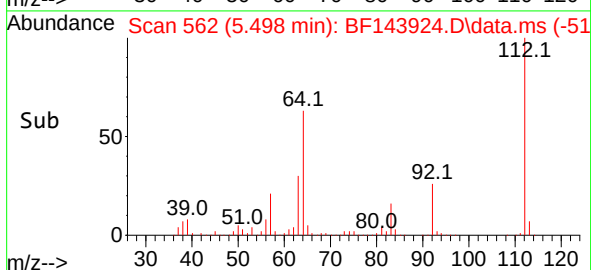
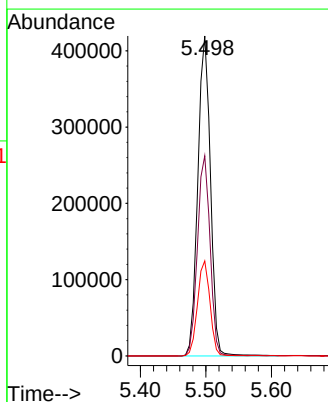
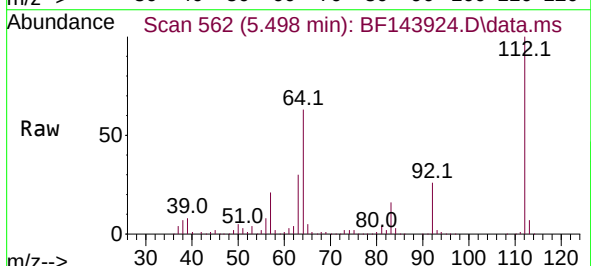
Manual Integrations
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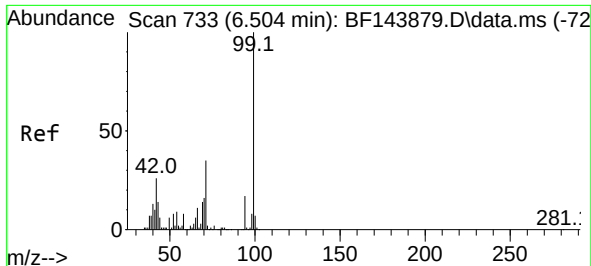
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#5
2-Fluorophenol
Concen: 77.971 ng
RT: 5.498 min Scan# 562
Delta R.T. -0.000 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

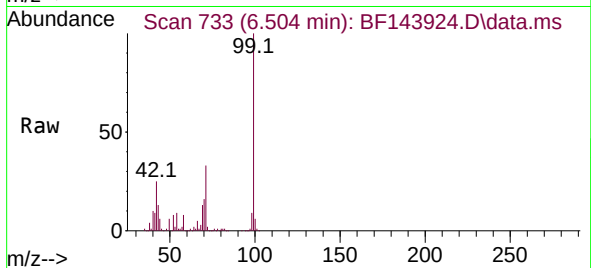
Tgt Ion:112 Resp: 558429
Ion Ratio Lower Upper
112 100
64 62.5 49.1 73.7
63 29.7 24.5 36.7





#7
Phenol-d6
Concen: 74.663 ng
RT: 6.504 min Scan# 733
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

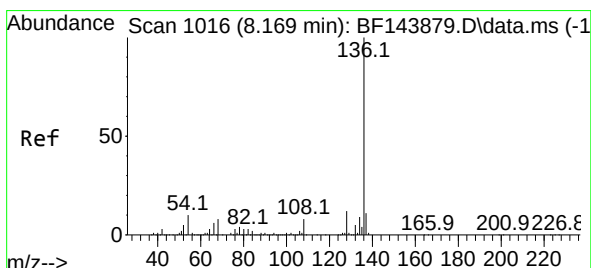
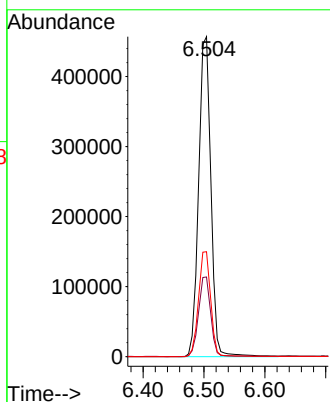
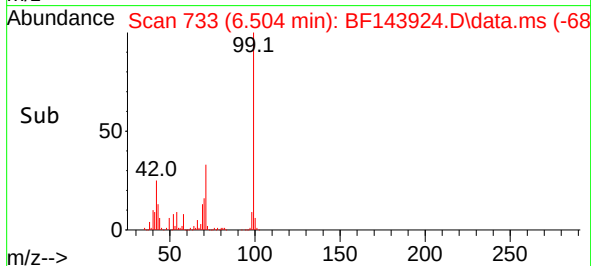
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



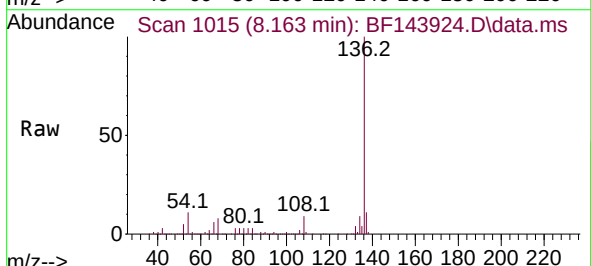
Tgt Ion: 99 Resp: 637384
Ion Ratio Lower Upper
99 100
42 24.9 21.0 31.4
71 32.8 27.8 41.8

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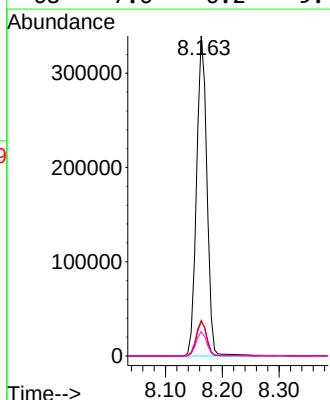
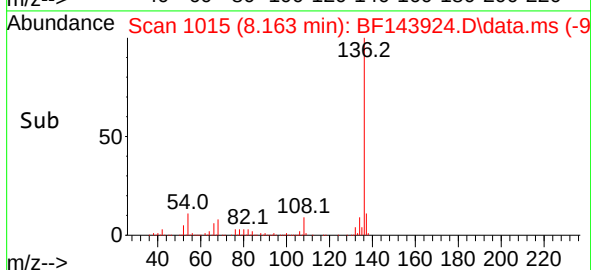
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025

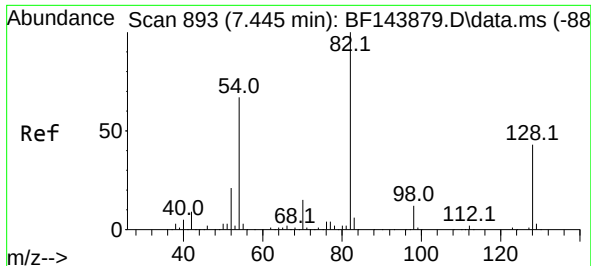


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54



Tgt Ion:136 Resp: 428776
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 11.1 8.2 12.4
68 7.6 6.2 9.4





#23

Nitrobenzene-d5

Concen: 55.104 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143924.D

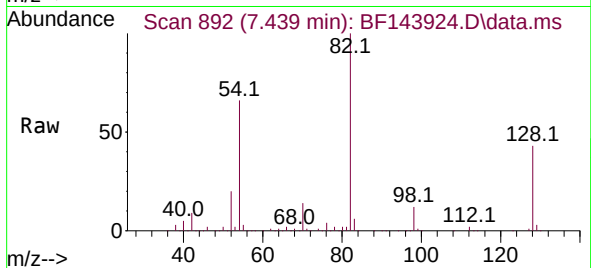
Acq: 10 Oct 2025 14:54

Instrument :

BNA_F

ClientSampleId :

SS-01-2-3



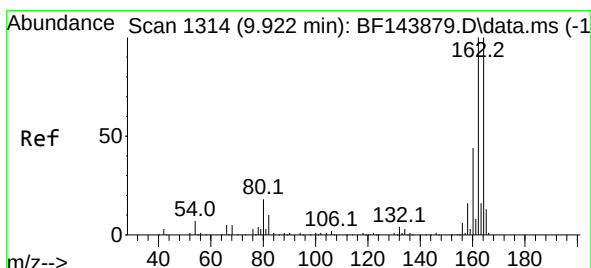
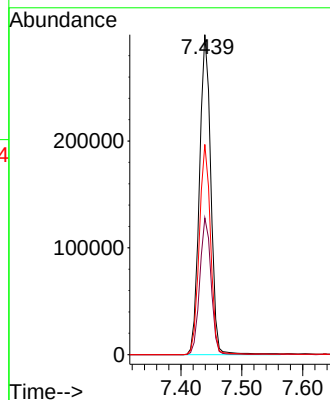
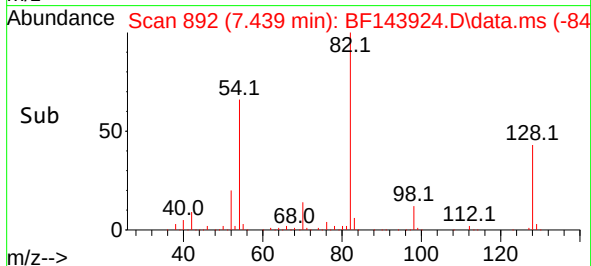
Tgt Ion: 82 Resp: 388896

Ion	Ratio	Lower	Upper
82	100		
128	42.8	34.0	51.0
54	65.7	53.2	79.8

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1314

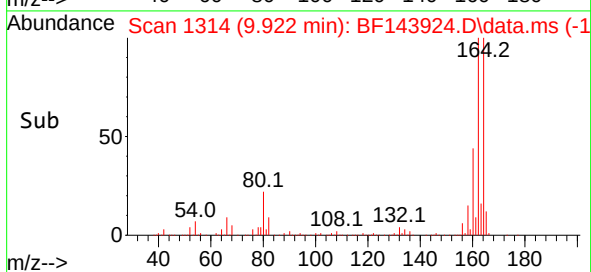
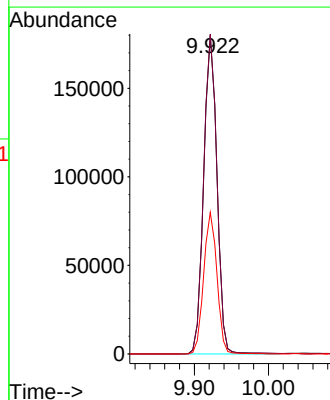
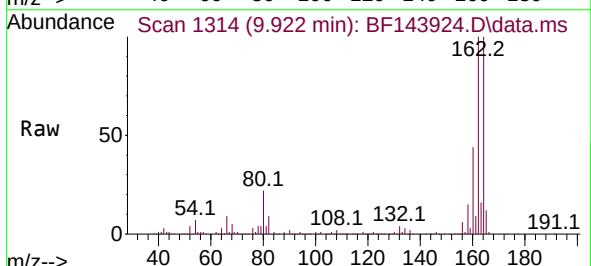
Delta R.T. -0.005 min

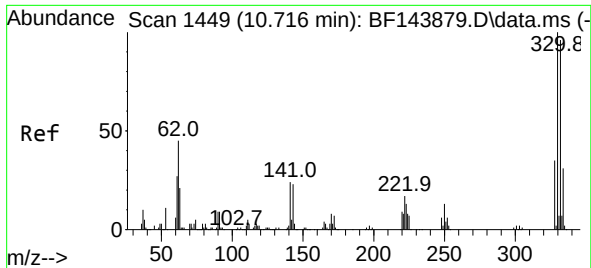
Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

Tgt Ion:164 Resp: 223841

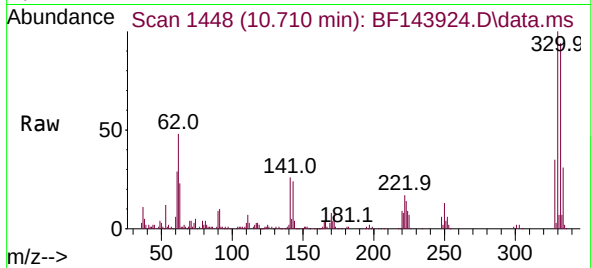
Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.2	120.2
160	44.4	35.4	53.0





#42
2,4,6-Tribromophenol
Concen: 64.998 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

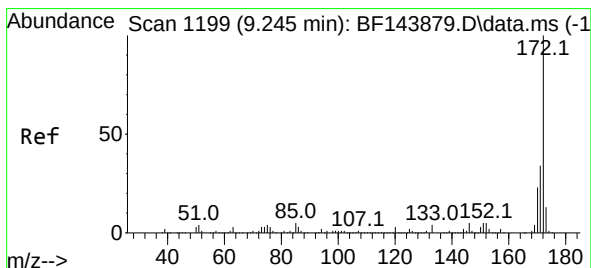
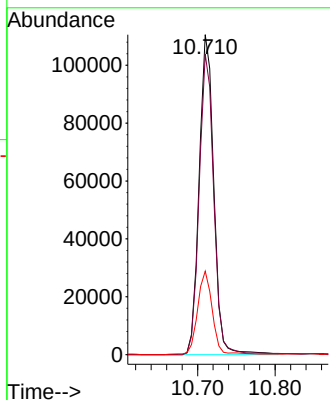
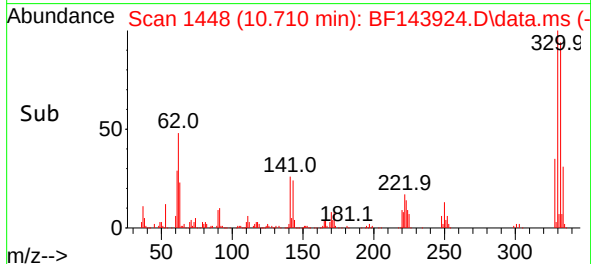
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



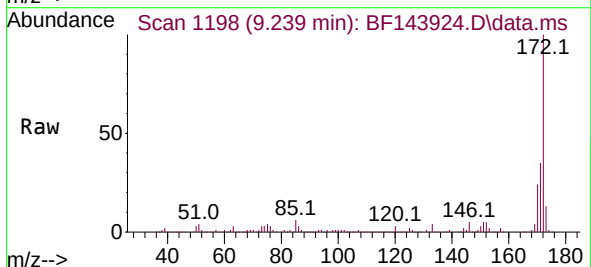
Tgt Ion: 330 Resp: 144914
Ion Ratio Lower Upper
330 100
332 94.0 76.9 115.3
141 26.5 20.2 30.4

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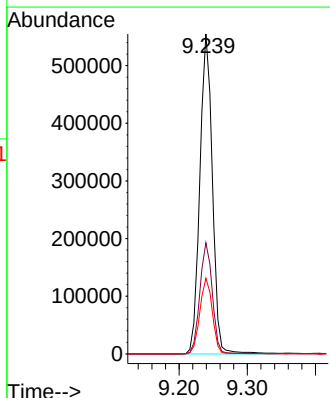
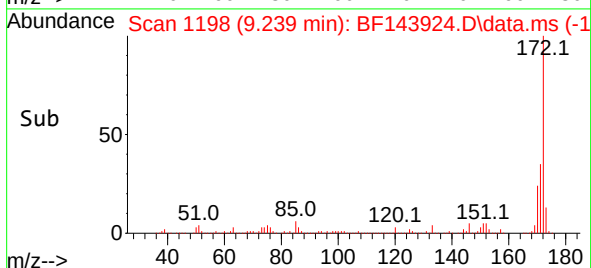
Reviewed By : Jagrut Upadhyay 10/13/2025
Supervised By : mohammad ahmed 10/15/2025

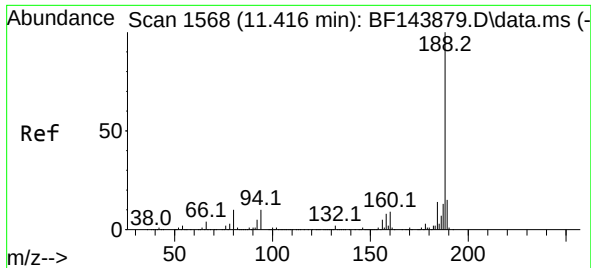


#45
2-Fluorobiphenyl
Concen: 50.395 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54



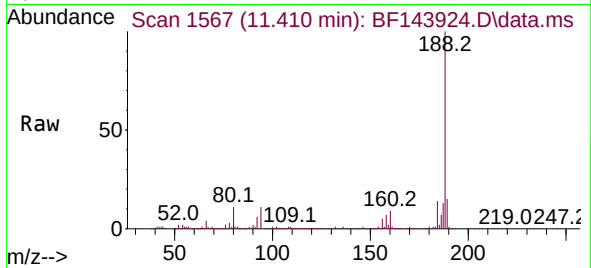
Tgt Ion: 172 Resp: 710914
Ion Ratio Lower Upper
172 100
171 34.7 27.4 41.0
170 23.6 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

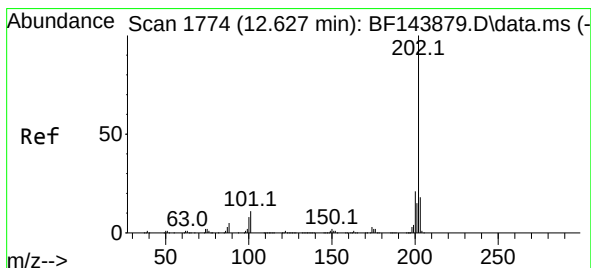
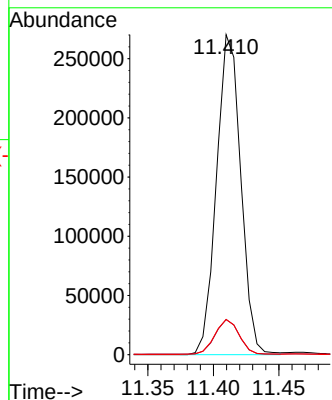
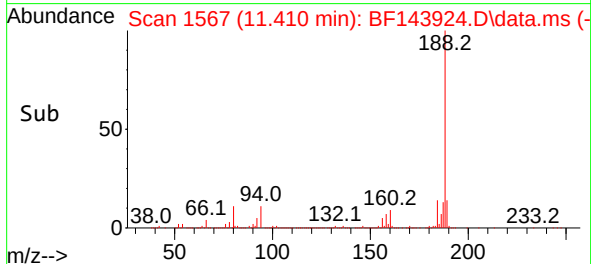
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



Tgt Ion:188 Resp: 349222
Ion Ratio Lower Upper
188 100
94 11.0 7.8 11.6
80 11.0 7.9 11.9

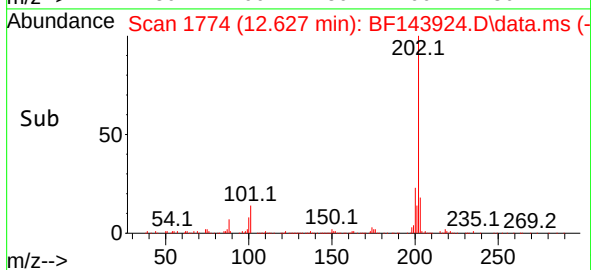
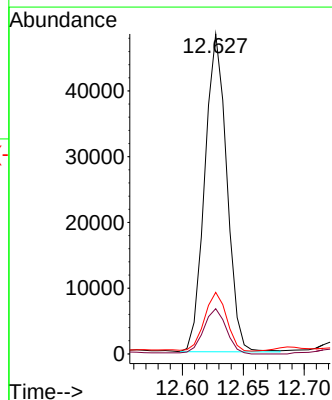
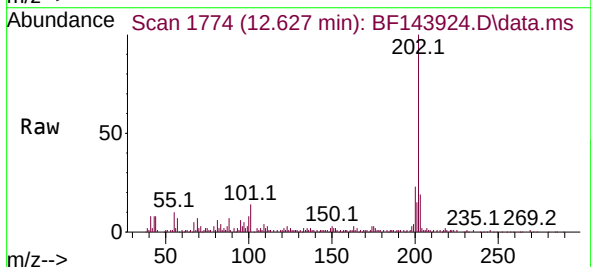
Manual Integrations
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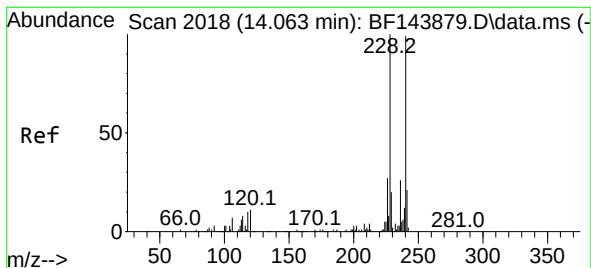
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#75
Fluoranthene
Concen: 3.479 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion:202 Resp: 60839
Ion Ratio Lower Upper
202 100
101 14.1 0.0 30.7
203 19.2 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

Instrument :

BNA_F

ClientSampleId :

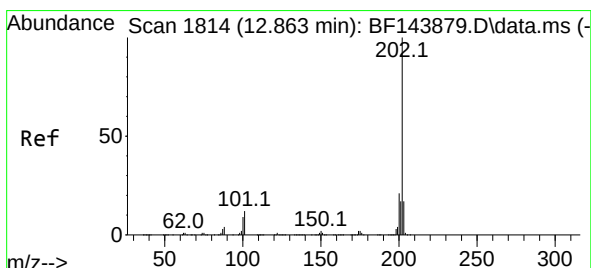
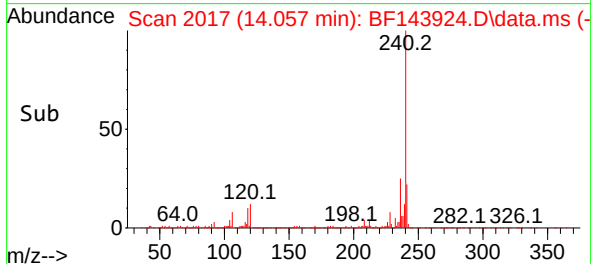
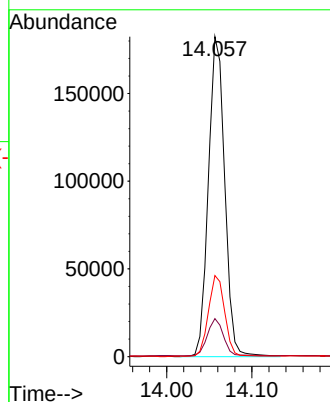
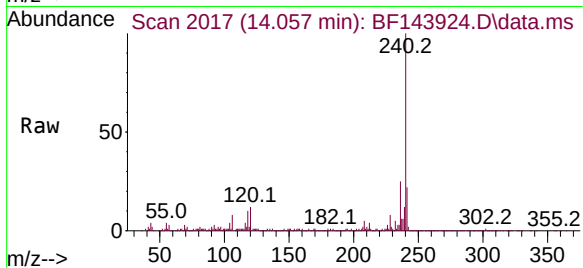
SS-01-2-3

Tgt Ion:	240	Resp:	243012
Ion Ratio	Lower	Upper	
240	100		
120	11.9	8.6	13.0
236	25.3	21.1	31.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#78

Pyrene

Concen: 2.756 ng

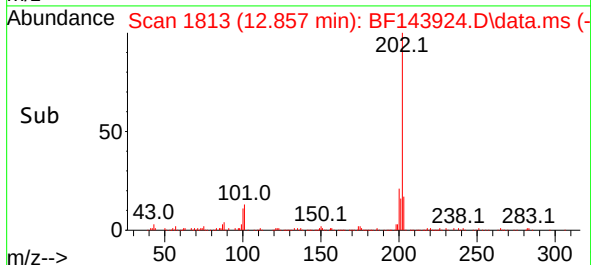
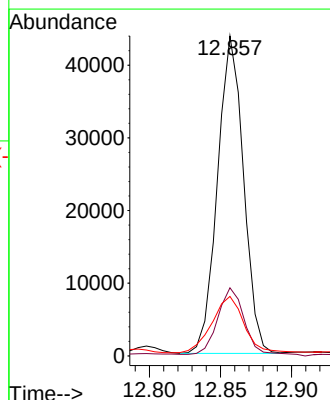
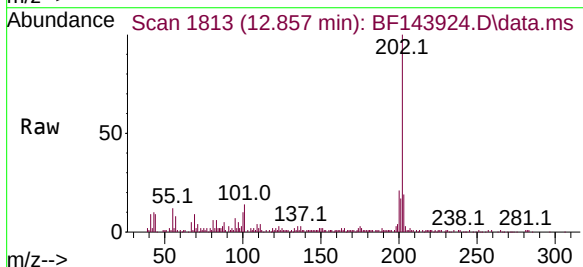
RT: 12.857 min Scan# 1813

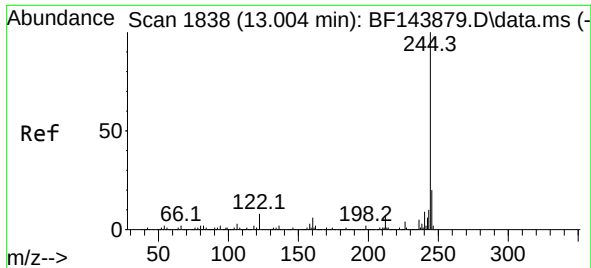
Delta R.T. -0.006 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

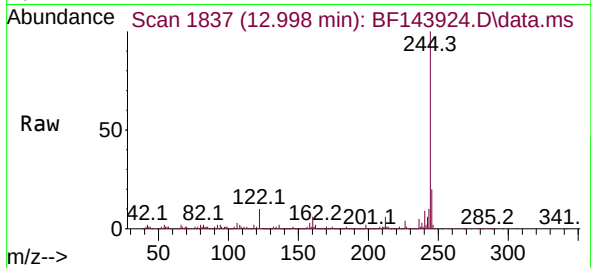
Tgt Ion:	202	Resp:	55834
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.0	25.6
203	18.6	13.8	20.6





#79
Terphenyl-d14
Concen: 38.888 ng
RT: 12.998 min Scan# 1838
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

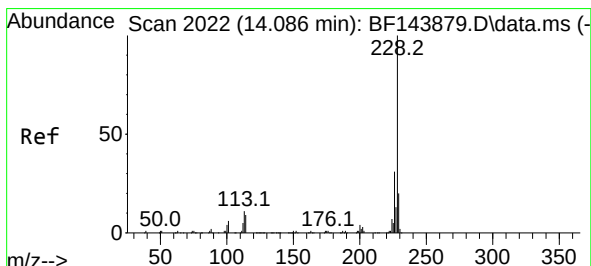
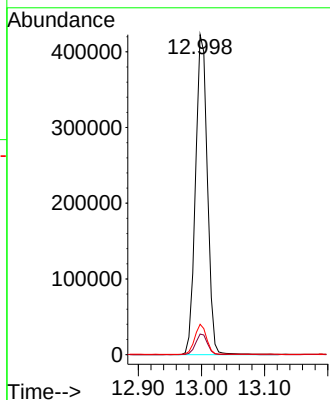
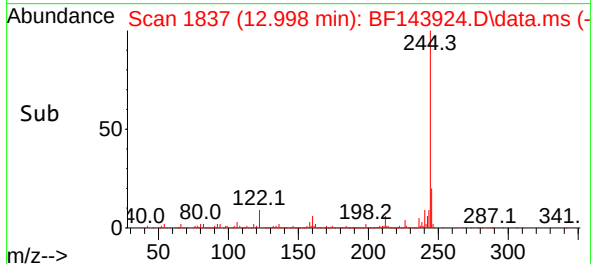
Instrument :
BNA_F
ClientSampleId :
SS-01-2-3



Tgt Ion:244 Resp: 552949
Ion Ratio Lower Upper
244 100
212 6.4 5.4 8.0
122 9.5 6.4 9.6

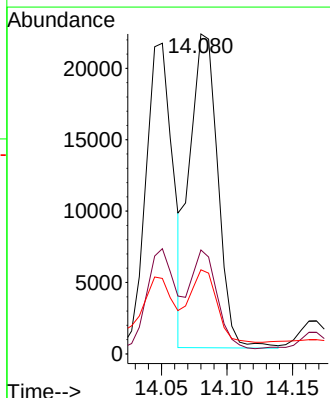
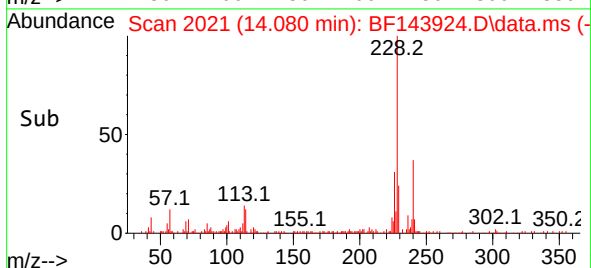
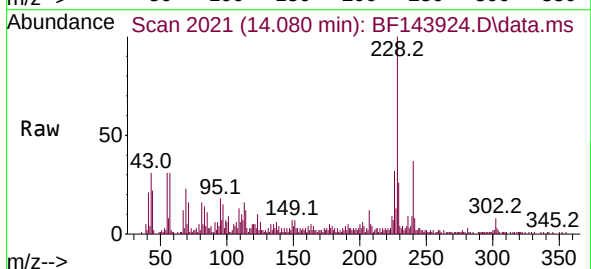
Manual Integrations
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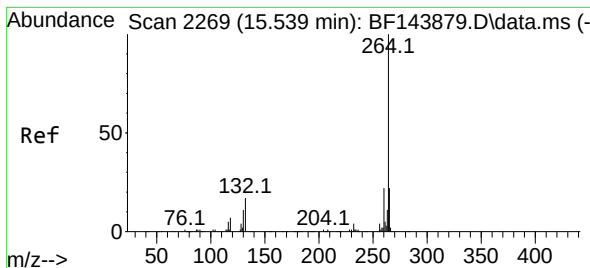
Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#83
Chrysene
Concen: 2.217 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF143924.D
Acq: 10 Oct 2025 14:54

Tgt Ion:228 Resp: 32635
Ion Ratio Lower Upper
228 100
226 32.5 24.4 36.6
229 26.3 15.9 23.9#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2196

Delta R.T. -0.000 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

Instrument :

BNA_F

ClientSampleId :

SS-01-2-3

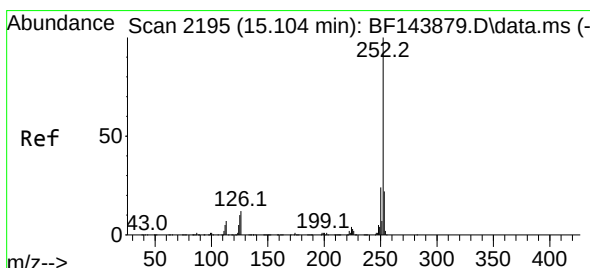
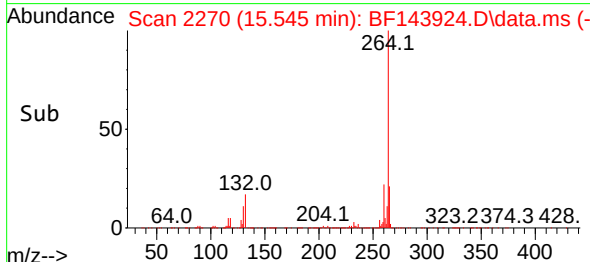
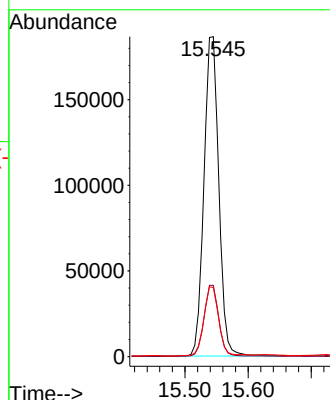
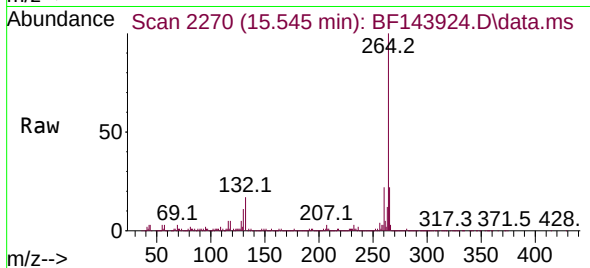
Tgt Ion:264 Resp: 304396

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.8	26.8
265	21.6	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/13/2025
Supervised By :mohammad ahmed 10/15/2025



#88

Benzo(b)fluoranthene

Concen: 2.115 ng m

RT: 15.109 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143924.D

Acq: 10 Oct 2025 14:54

Tgt Ion:252 Resp: 36981

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.4	26.2
125	16.5	7.8	11.6

