

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
 Data File : BF143963.D
 Acq On : 15 Oct 2025 20:23
 Operator : RC/JU
 Sample : Q3342-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CONC-ROLLOFF-WC-1

Manual Integrations
 APPROVED

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

Quant Time: Oct 16 11:11:10 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	104008	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	376982	20.00	ng	0.00
39) Acenaphthene-d10	9.927	164	177396	20.00	ng	0.00
64) Phenanthrene-d10	11.416	188	270828	20.00	ng	0.00
76) Chrysene-d12	14.062	240	180827	20.00	ng	0.00
86) Perylene-d12	15.551	264	240791	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	488473	74.58	ng	0.00
7) Phenol-d6	6.498	99	605700	77.58	ng	-0.02
23) Nitrobenzene-d5	7.439	82	365547	58.91	ng	-0.02
42) 2,4,6-Tribromophenol	10.716	330	115353	65.29	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	659727	59.01	ng	-0.01
79) Terphenyl-d14	13.004	244	507314	47.95	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.186	128	139650	8.14	ng	100
37) 2-Methylnaphthalene	8.880	142	154324	13.51	ng	96
38) 1-Methylnaphthalene	8.980	142	142382	12.85	ng	94
46) 1,1'-Biphenyl	9.339	154	23560	2.01	ng	91
52) Acenaphthene	9.957	154	31118	3.45	ng	# 91
58) Fluorene	10.474	166	77267	8.04	ng	# 94
71) Phenanthrene	11.439	178	329166	25.07	ng	99
72) Anthracene	11.492	178	73398m	5.53	ng	
75) Fluoranthene	12.633	202	142276	10.49	ng	97
78) Pyrene	12.863	202	271027	17.98	ng	98
81) Benzo(a)anthracene	14.057	228	73154	6.18	ng	# 87
83) Chrysene	14.086	228	84051	7.67	ng	# 90
90) Benzo(a)pyrene	15.486	252	48546	4.05	ng	# 69

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

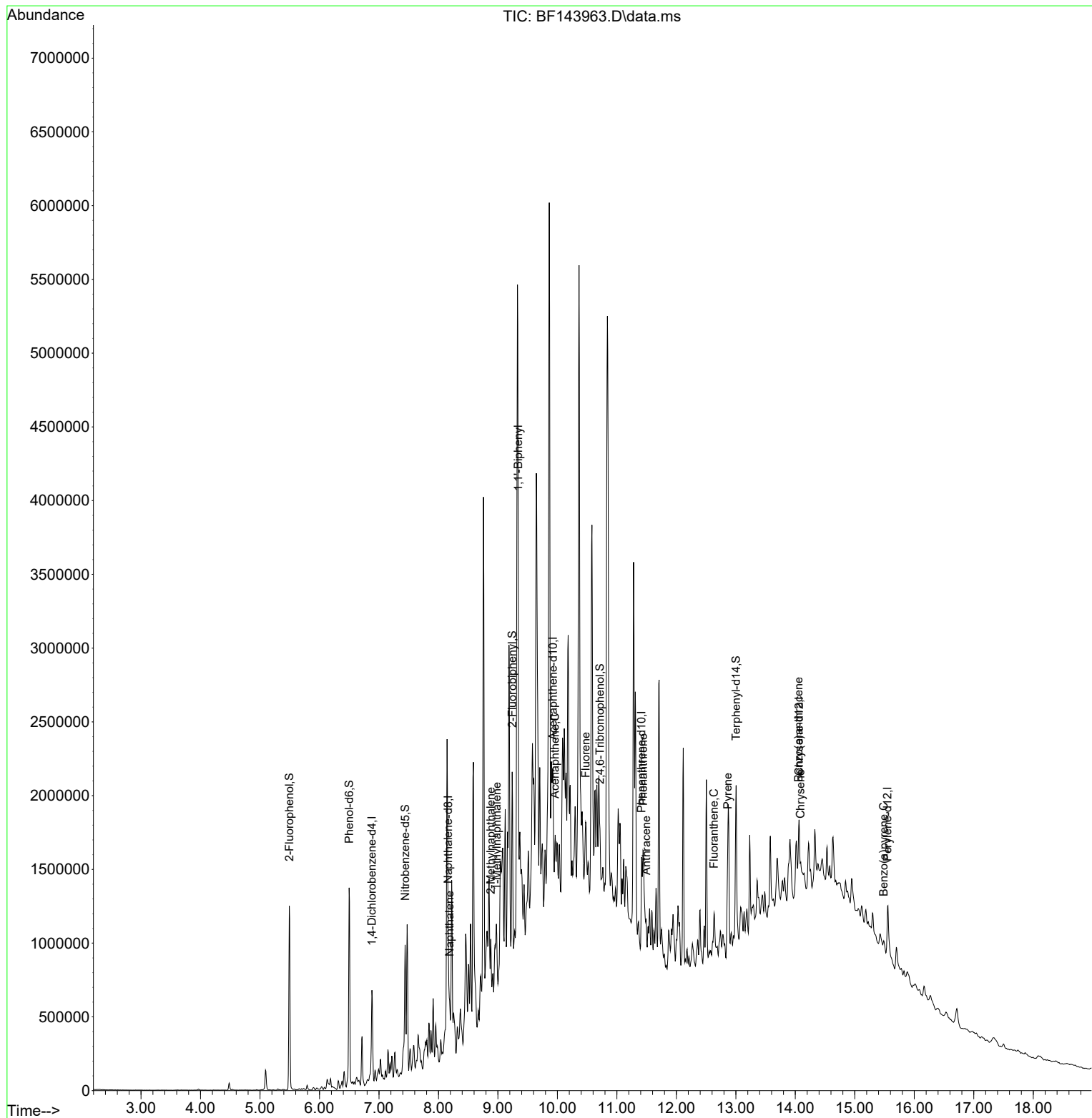
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101525\
Data File : BF143963.D
Acq On : 15 Oct 2025 20:23
Operator : RC/JU
Sample : Q3342-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

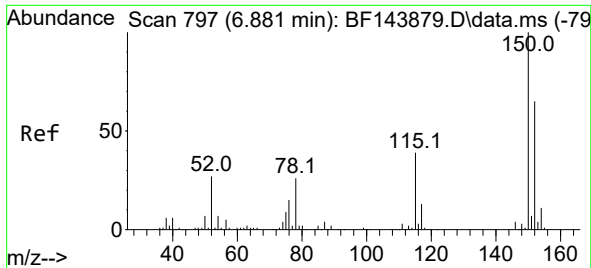
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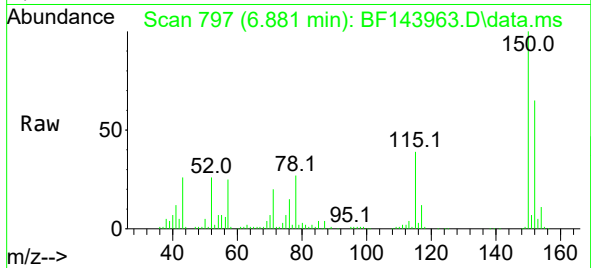
Quant Time: Oct 16 11:11:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

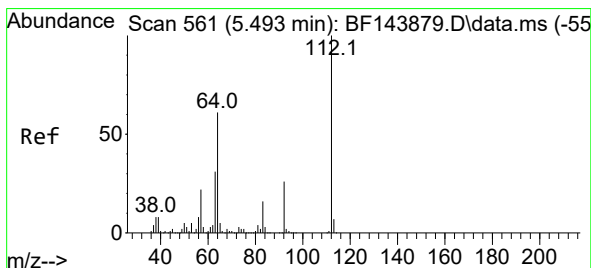
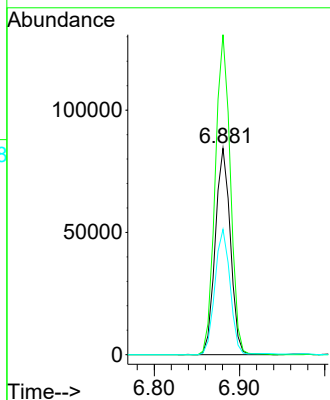
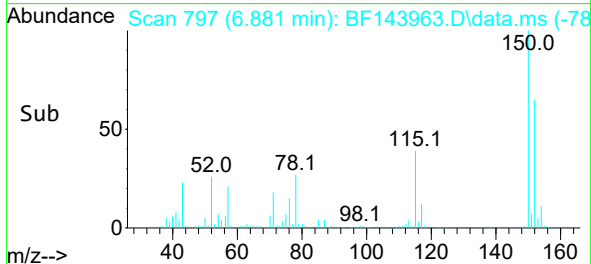
Instrument :
BNA_F
ClientSampleId :
CONC-ROLLOFF-WC-1



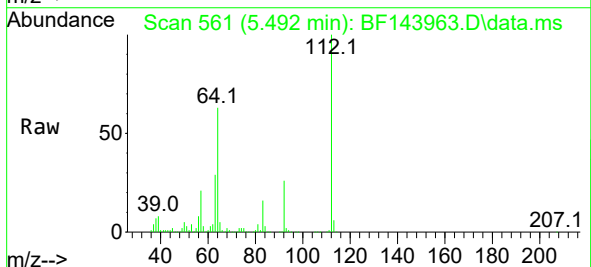
Tgt Ion:152 Resp: 104000
Ion Ratio Lower Upper
152 100
150 155.0 124.4 186.6
115 60.6 48.1 72.1

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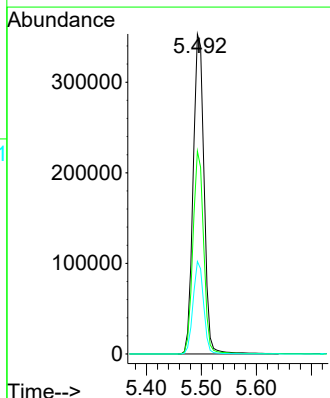
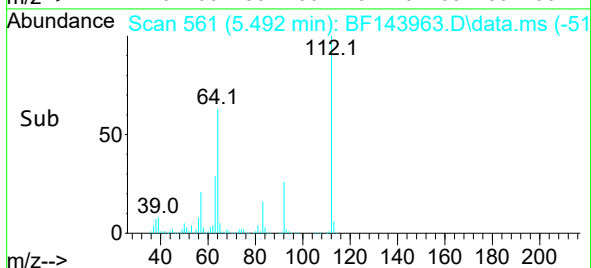
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

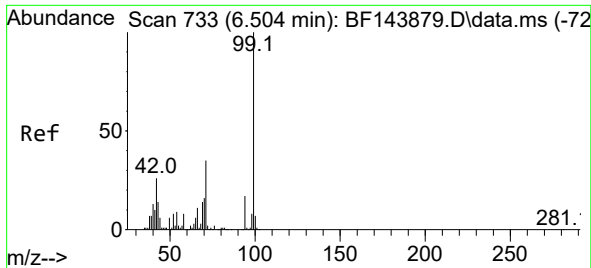


#5
2-Fluorophenol
Concen: 74.58 ng
RT: 5.492 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23



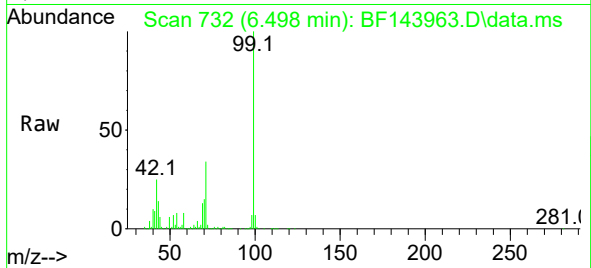
Tgt Ion:112 Resp: 488473
Ion Ratio Lower Upper
112 100
64 63.4 49.1 73.7
63 28.9 24.5 36.7





#7
Phenol-d6
Concen: 77.58 ng
RT: 6.498 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

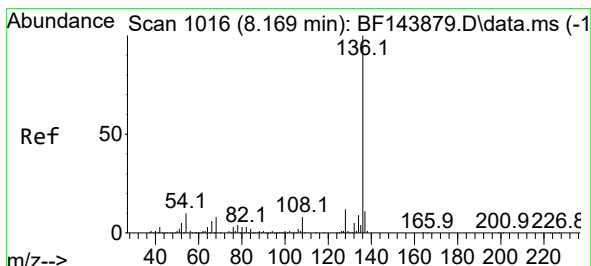
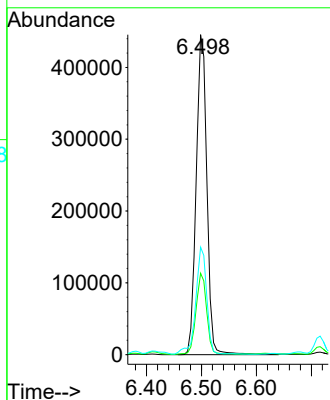
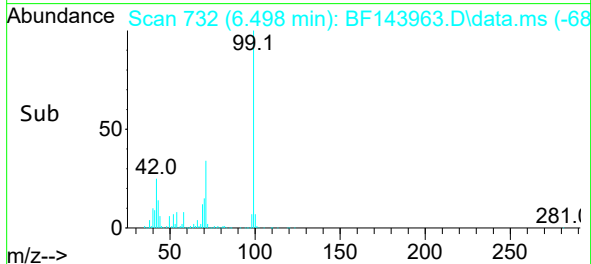
Instrument :
BNA_F
ClientSampleId :
CONC-ROLLOFF-WC-1



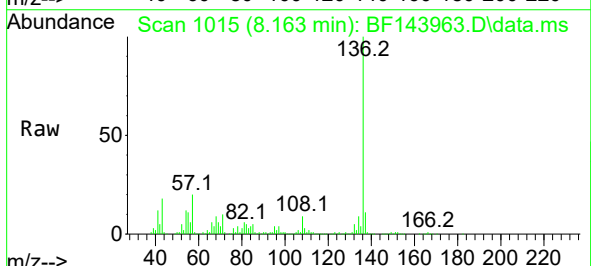
Tgt Ion: 99 Resp: 605700
Ion Ratio Lower Upper
99 100
42 25.4 21.0 31.4
71 33.6 27.8 41.8

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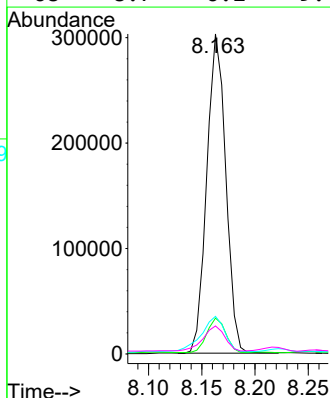
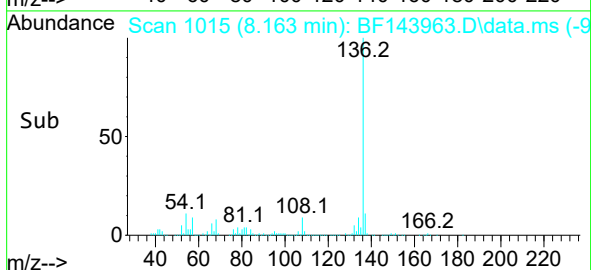
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

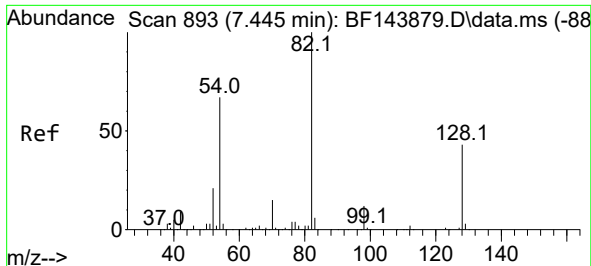


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23



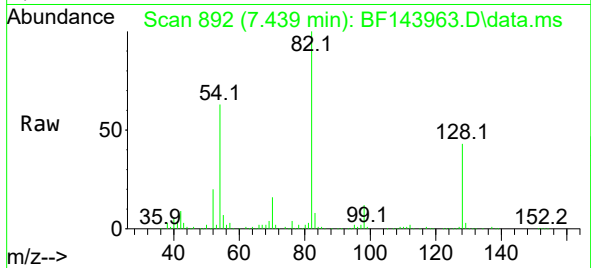
Tgt Ion:136 Resp: 376982
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 11.7 8.2 12.4
68 8.7 6.2 9.4





#23
Nitrobenzene-d5
Concen: 58.91 ng
RT: 7.439 min Scan# 893
Delta R.T. -0.018 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

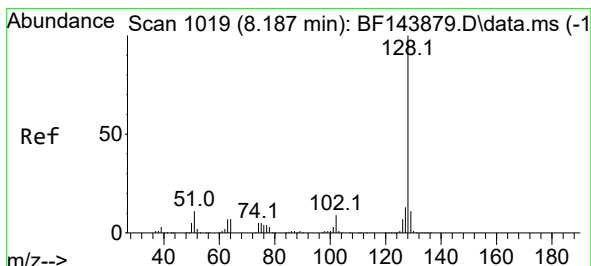
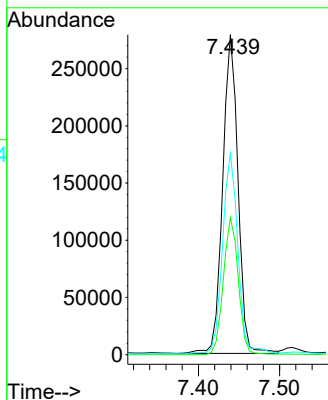
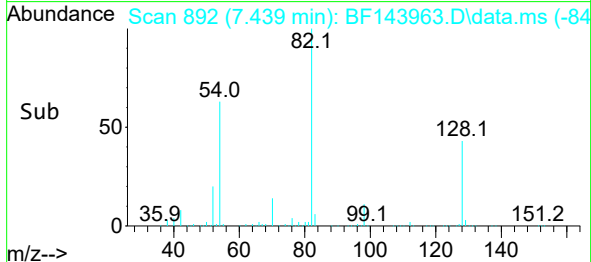
Instrument :
BNA_F
ClientSampleId :
CONC-ROLLOFF-WC-1



Tgt Ion: 82 Resp: 36554
Ion Ratio Lower Upper
82 100
128 42.9 34.0 51.0
54 62.9 53.2 79.8

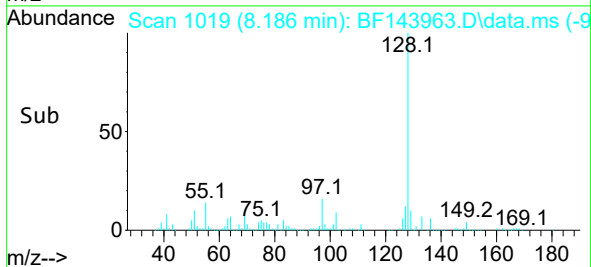
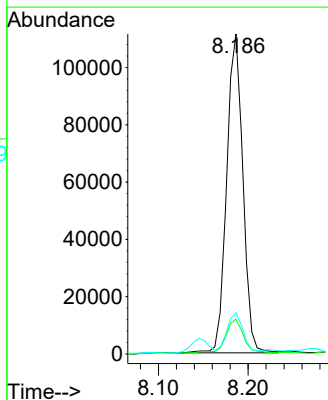
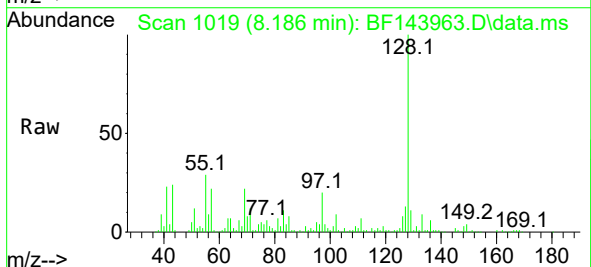
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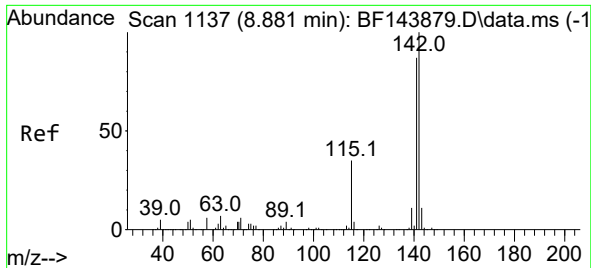
Reviewed By :Rahul Chavli 10/16/2025
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#31
Naphthalene
Concen: 8.14 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

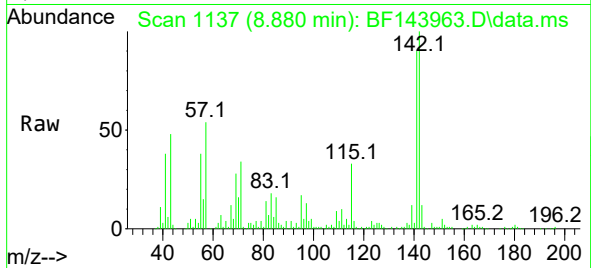
Tgt Ion:128 Resp: 139650
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 12.8 10.0 15.0





#37
2-Methylnaphthalene
Concen: 13.51 ng
RT: 8.880 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

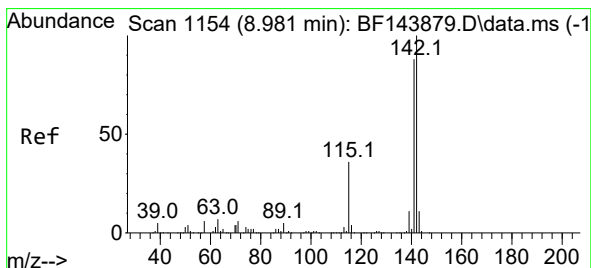
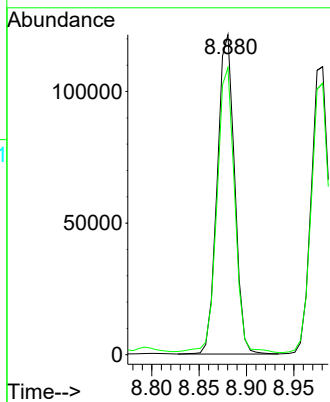
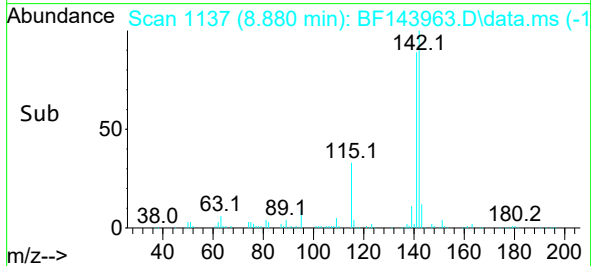
Instrument :
BNA_F
ClientSampleId :
CONC-ROLLOFF-WC-1



Tgt Ion:142 Resp: 154324
Ion Ratio Lower Upper
142 100
141 89.8 69.2 103.8

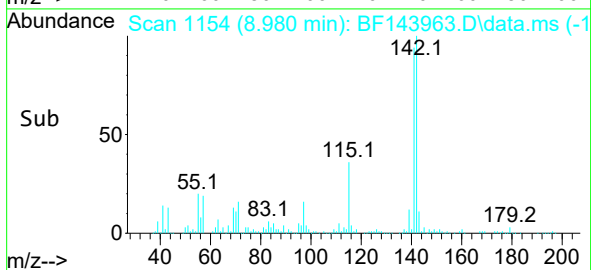
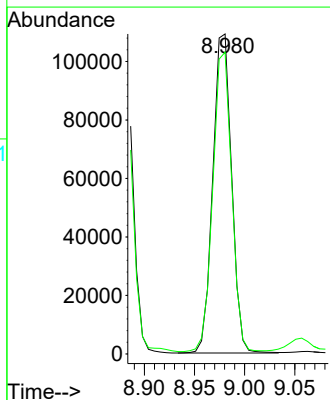
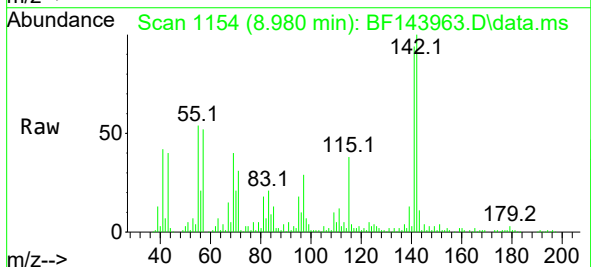
Manual Integrations
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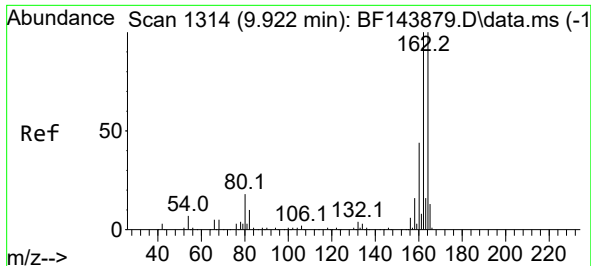
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025



#38
1-Methylnaphthalene
Concen: 12.85 ng
RT: 8.980 min Scan# 1154
Delta R.T. -0.006 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

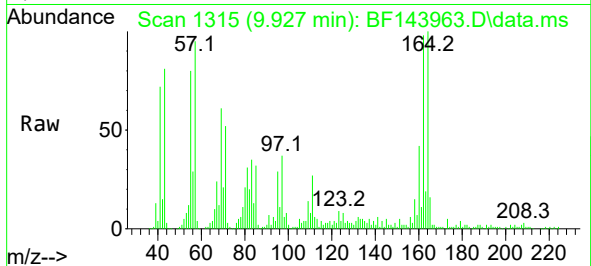
Tgt Ion:142 Resp: 142382
Ion Ratio Lower Upper
142 100
141 94.3 70.8 106.2





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.927 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

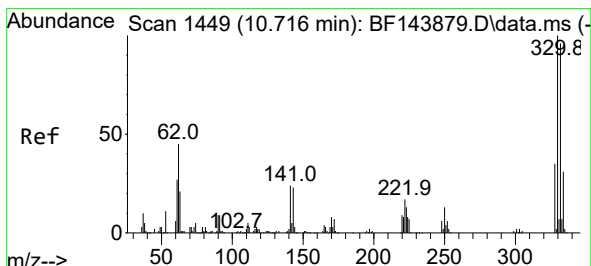
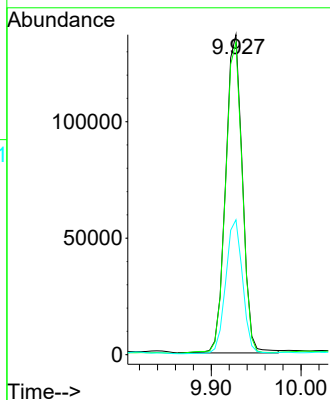
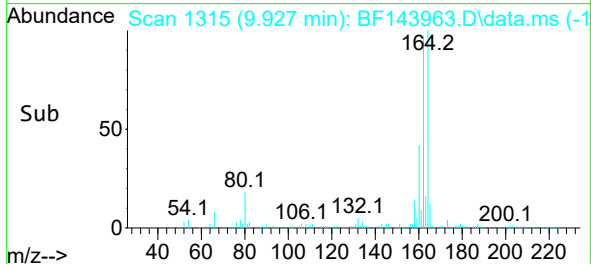
Instrument :
BNA_F
ClientSampleId :
CONC-ROLLOFF-WC-1



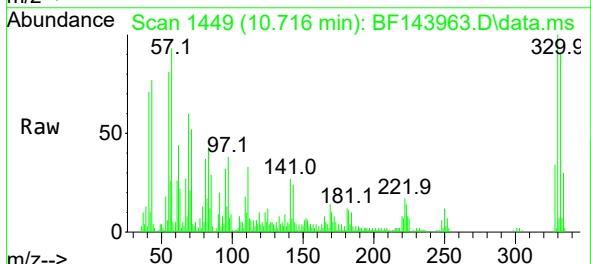
Tgt Ion:164 Resp: 177390
Ion Ratio Lower Upper
164 100
162 97.5 80.2 120.2
160 42.2 35.4 53.0

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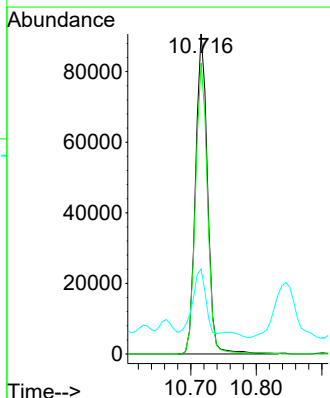
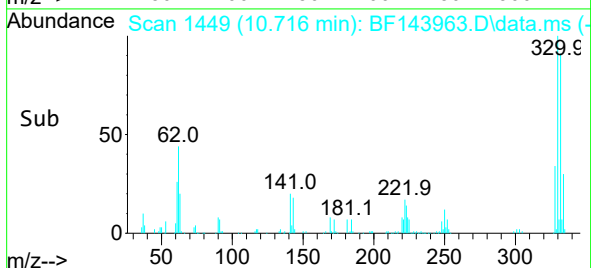
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

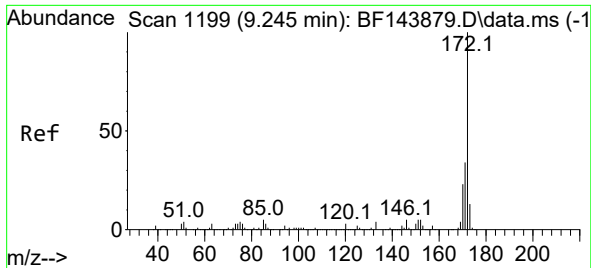


#42
2,4,6-Tribromophenol
Concen: 65.29 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23



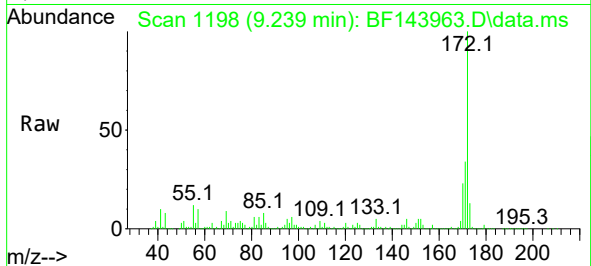
Tgt Ion:330 Resp: 115353
Ion Ratio Lower Upper
330 100
332 90.9 76.9 115.3
141 22.6 20.2 30.4





#45
2-Fluorobiphenyl
Concen: 59.01 ng
RT: 9.239 min Scan# 1199
Delta R.T. -0.012 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

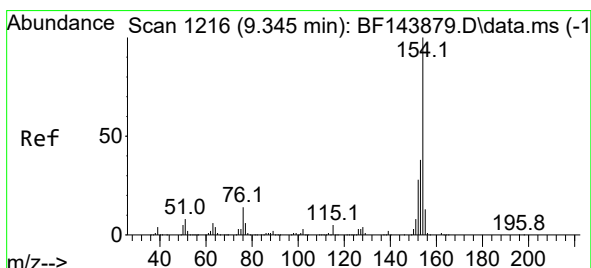
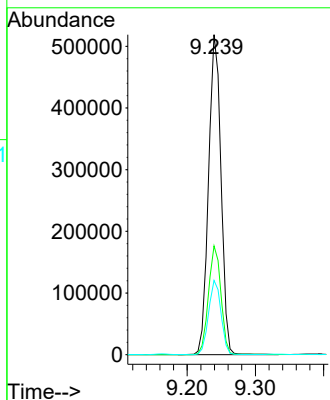
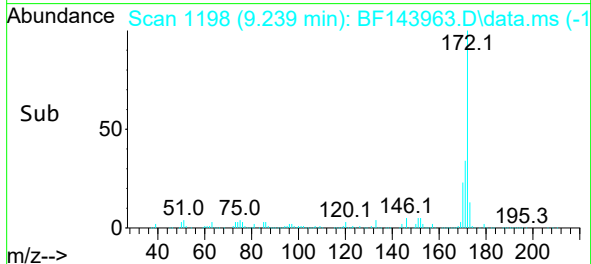
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CONC-ROLLOFF-WC-1



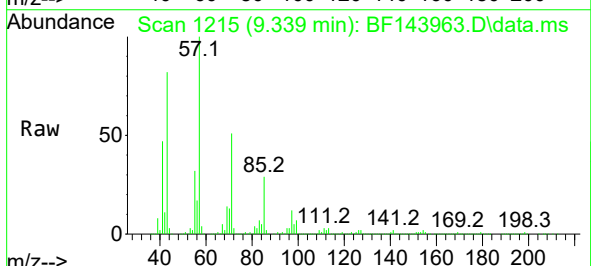
Tgt Ion:172 Resp: 65972
Ion Ratio Lower Upper
172 100
171 34.0 27.4 41.0
170 23.2 18.6 28.0

Manual Integrations
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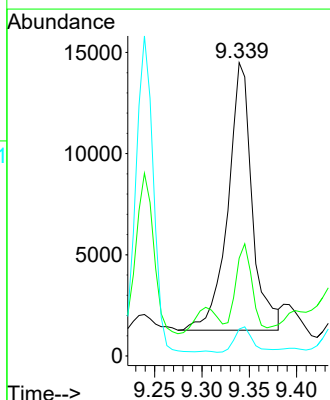
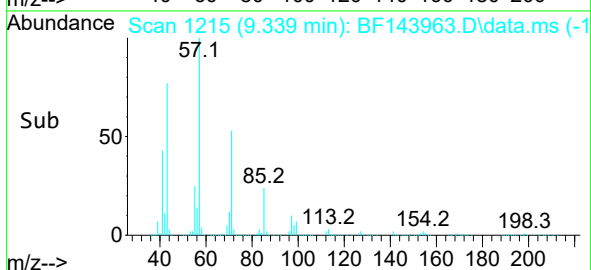
Reviewed By :Rahul Chavli 10/16/2025
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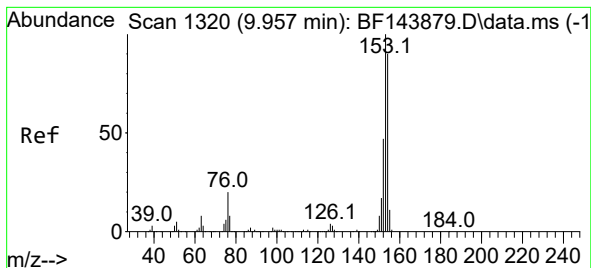


#46
1,1'-Biphenyl
Concen: 2.01 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.012 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23



Tgt Ion:154 Resp: 23560
Ion Ratio Lower Upper
154 100
153 33.3 18.4 58.4
76 9.2 0.0 34.0





#52

Acenaphthene

Concen: 3.45 ng

RT: 9.957 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143963.D

Acq: 15 Oct 2025 20:23

Instrument :

BNA_F

ClientSampleId :

CONC-ROLLOFF-WC-1

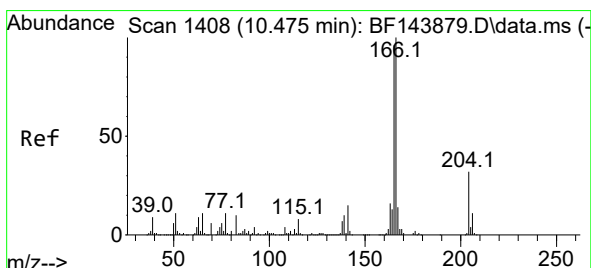
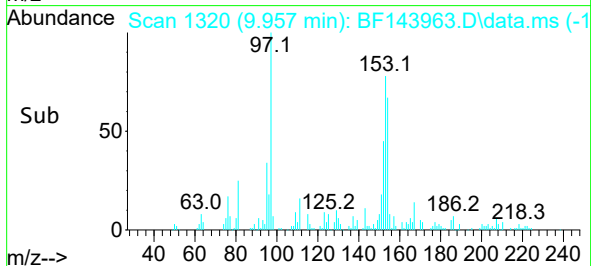
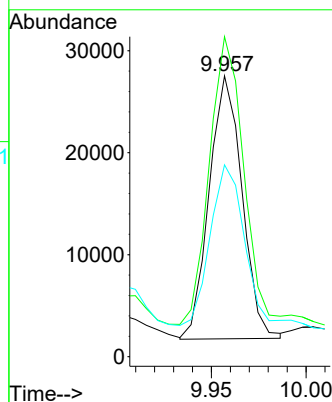
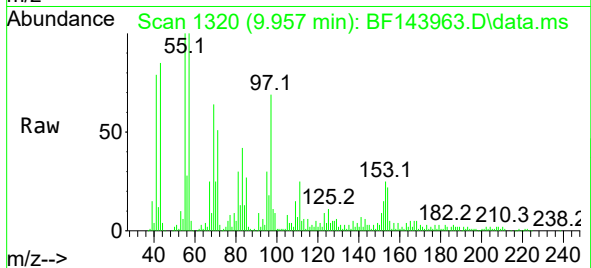
Tgt Ion:154 Resp: 31118
 Ion Ratio Lower Upper
 154 100
 153 113.9 89.3 133.9
 152 68.3 42.2 63.2

Manual Integrations

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#58

Fluorene

Concen: 8.04 ng

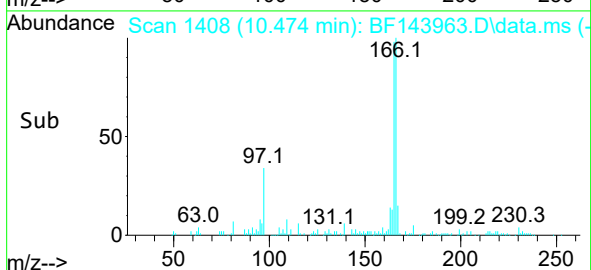
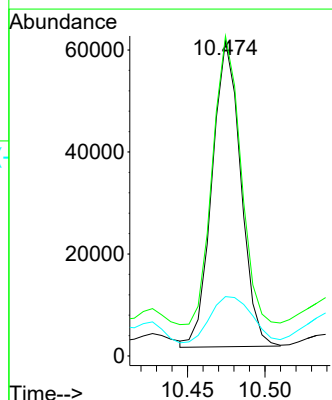
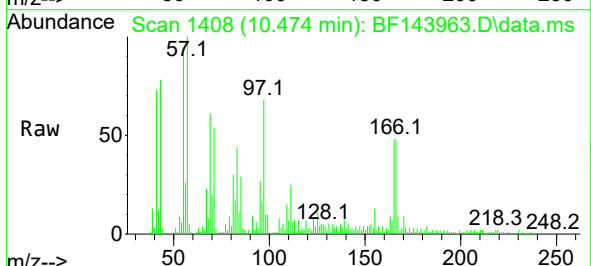
RT: 10.474 min Scan# 1408

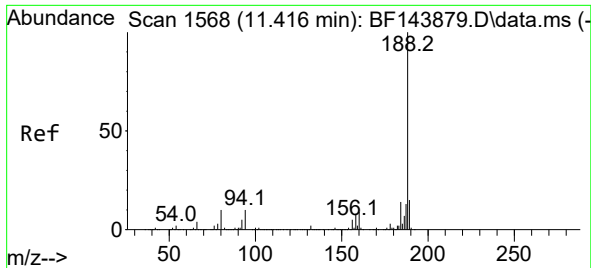
Delta R.T. -0.006 min

Lab File: BF143963.D

Acq: 15 Oct 2025 20:23

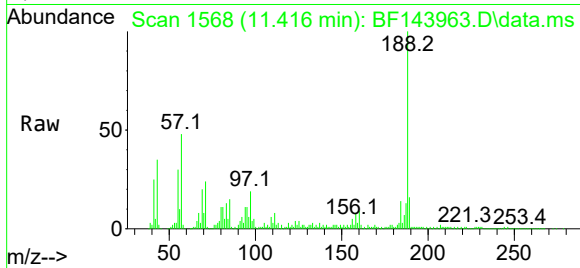
Tgt Ion:166 Resp: 77267
 Ion Ratio Lower Upper
 166 100
 165 101.4 77.0 115.6
 167 18.8 11.1 16.7#





#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

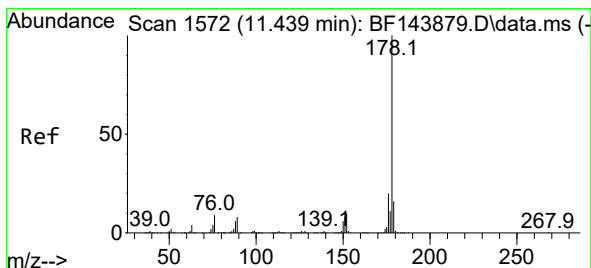
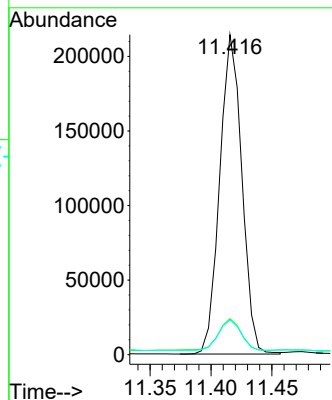
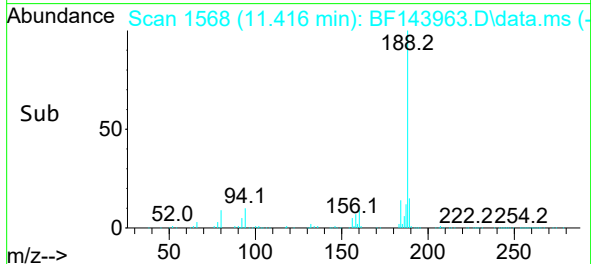
Instrument :
BNA_F
ClientSampleId :
CONC-ROLLOFF-WC-1



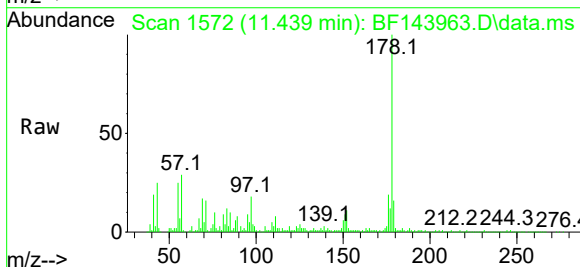
Tgt Ion:188 Resp: 270828
Ion Ratio Lower Upper
188 100
94 11.3 7.8 11.6
80 10.9 7.9 11.9

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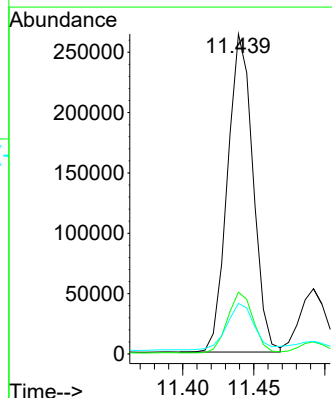
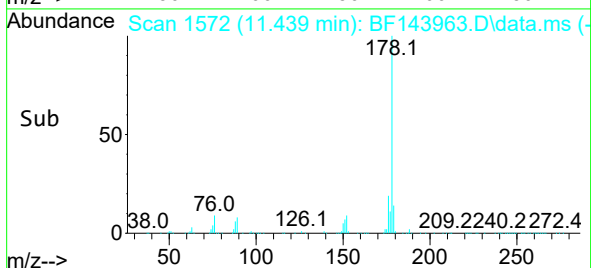
Reviewed By :Rahul Chavli 10/16/2025
Supervised By :Jagrut Upadhyay 10/16/2025

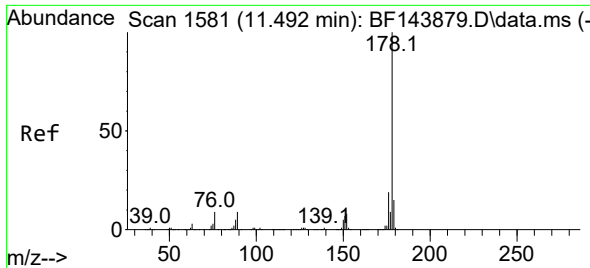


#71
Phenanthrene
Concen: 25.07 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23



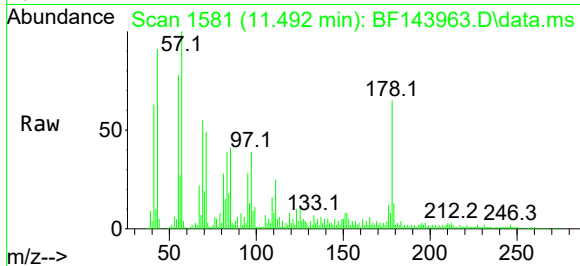
Tgt Ion:178 Resp: 329166
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.8 12.4 18.6





#72
 Anthracene
 Concen: 5.53 ng m
 RT: 11.492 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: BF143963.D
 Acq: 15 Oct 2025 20:23

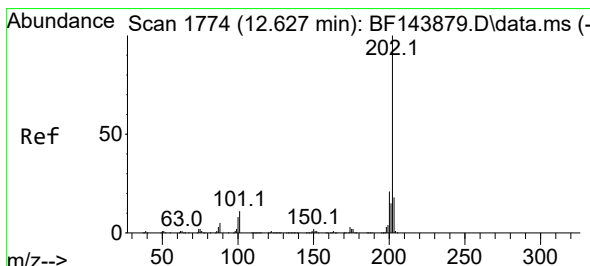
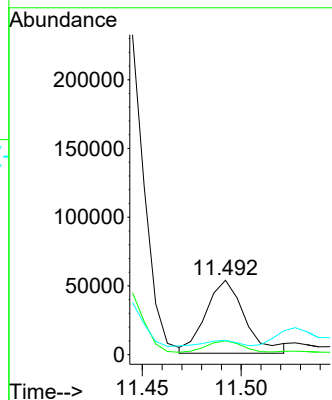
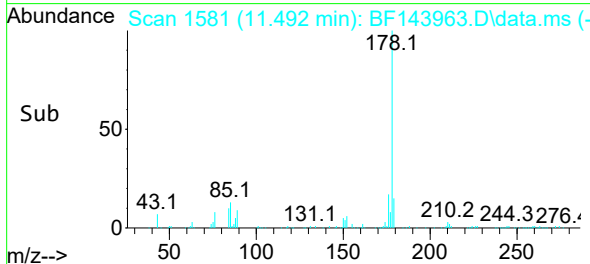
Instrument :
 BNA_F
 ClientSampleId :
 CONC-ROLLOFF-WC-1



Tgt Ion:178 Resp: 73398
 Ion Ratio Lower Upper
 178 100
 176 18.7 14.9 22.3
 179 19.5 12.2 18.2

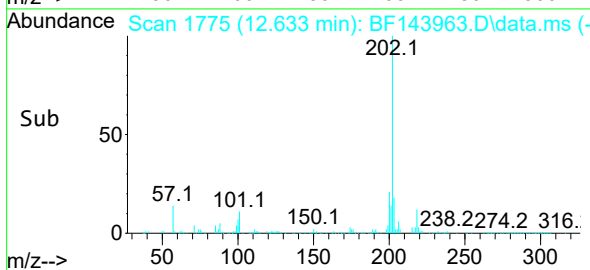
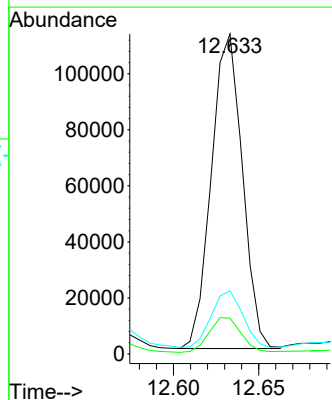
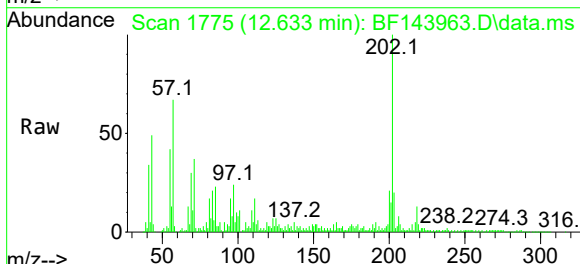
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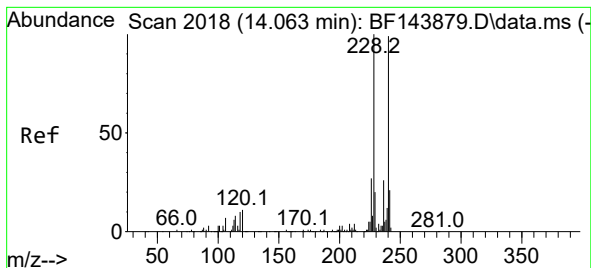
Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025



#75
 Fluoranthene
 Concen: 10.49 ng
 RT: 12.633 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF143963.D
 Acq: 15 Oct 2025 20:23

Tgt Ion:202 Resp: 142276
 Ion Ratio Lower Upper
 202 100
 101 11.2 0.0 30.7
 203 19.7 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.062 min Scan# 2018

Delta R.T. -0.006 min

Lab File: BF143963.D

Acq: 15 Oct 2025 20:23

Instrument :

BNA_F

ClientSampleId :

CONC-ROLLOFF-WC-1

Tgt Ion:240 Resp: 18082

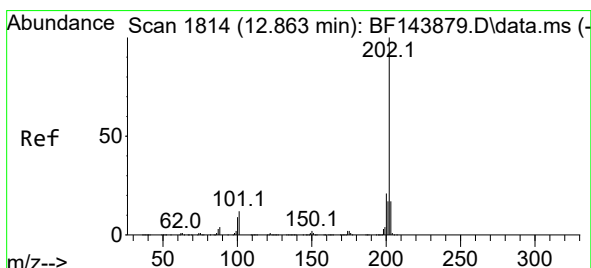
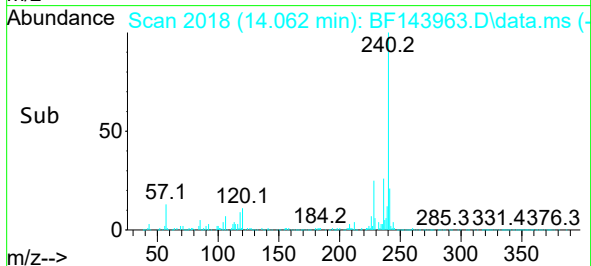
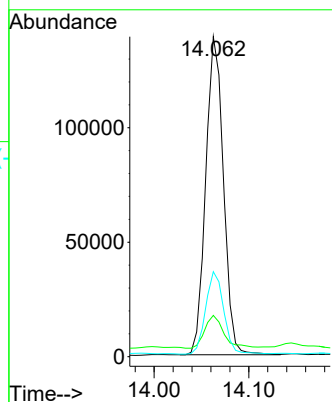
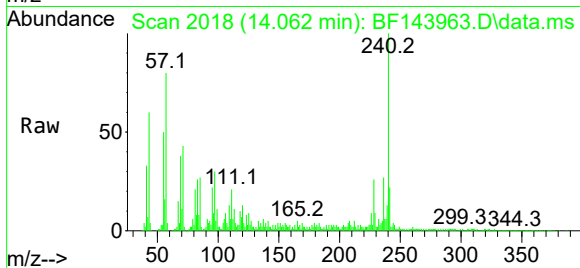
Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.6	13.0
236	26.6	21.1	31.7

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#78

Pyrene

Concen: 17.98 ng

RT: 12.863 min Scan# 1814

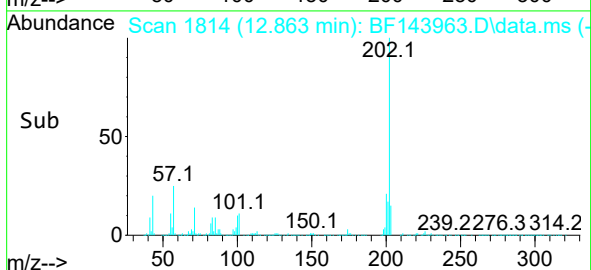
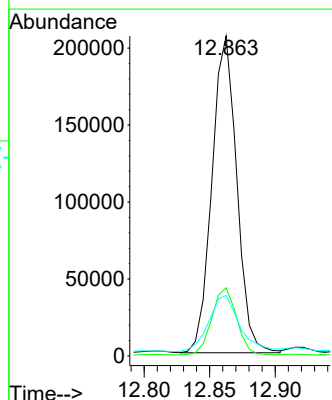
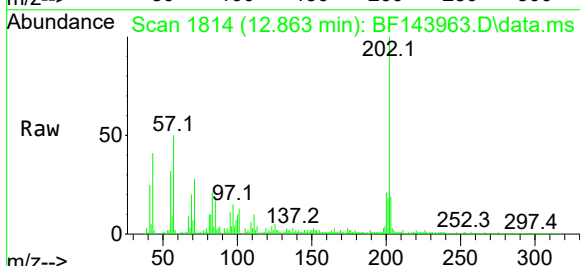
Delta R.T. 0.000 min

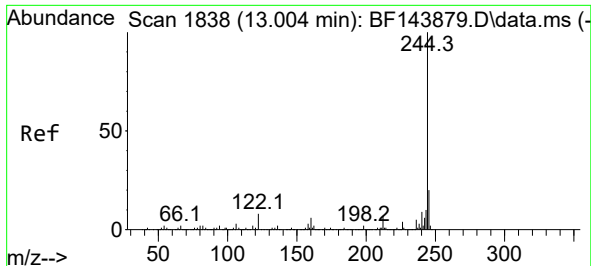
Lab File: BF143963.D

Acq: 15 Oct 2025 20:23

Tgt Ion:202 Resp: 271027

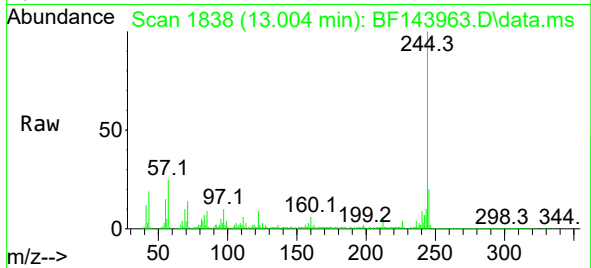
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	18.9	13.8	20.6





#79
 Terphenyl-d14
 Concen: 47.95 ng
 RT: 13.004 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF143963.D
 Acq: 15 Oct 2025 20:23

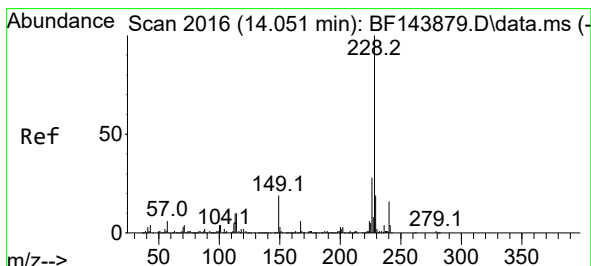
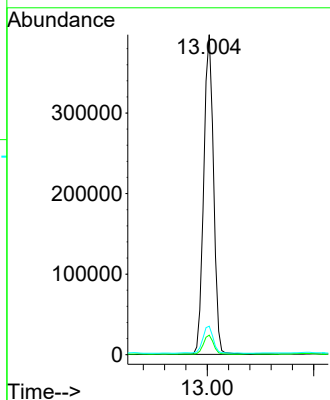
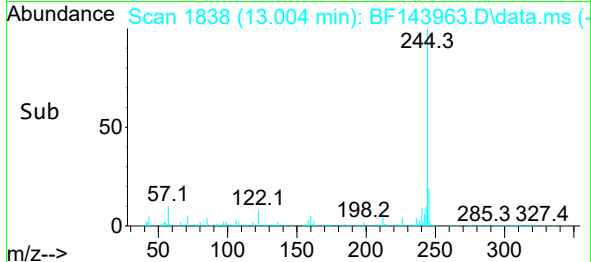
Instrument :
 BNA_F
 ClientSampleId :
 CONC-ROLLOFF-WC-1



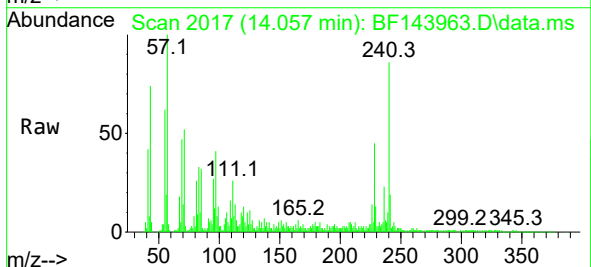
Tgt Ion:244 Resp: 507314
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.4 8.0
 122 8.9 6.4 9.6

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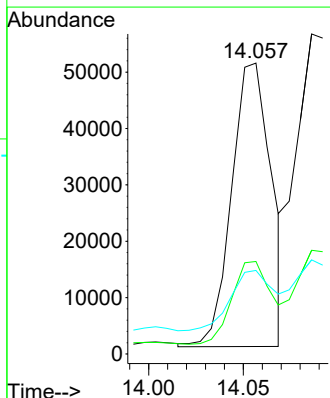
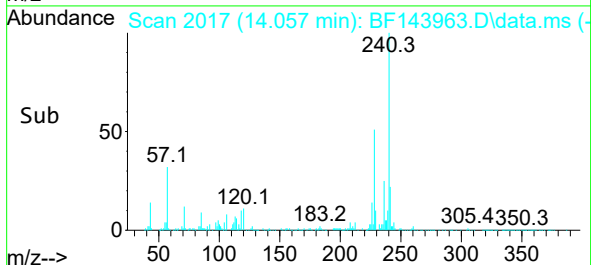
Reviewed By :Rahul Chavli 10/16/2025
 Supervised By :Jagrut Upadhyay 10/16/2025

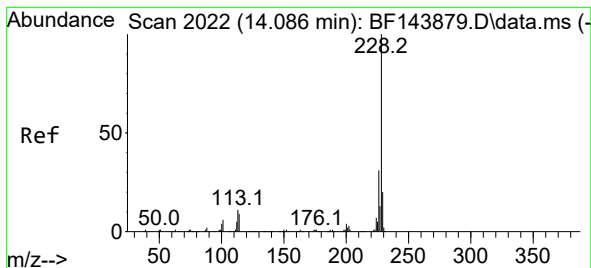


#81
 Benzo(a)anthracene
 Concen: 6.18 ng
 RT: 14.057 min Scan# 2017
 Delta R.T. 0.000 min
 Lab File: BF143963.D
 Acq: 15 Oct 2025 20:23



Tgt Ion:228 Resp: 73154
 Ion Ratio Lower Upper
 228 100
 226 31.8 22.2 33.2
 229 28.7 15.6 23.4#





#83

Chrysene

Concen: 7.67 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.006 min

Lab File: BF143963.D

Acq: 15 Oct 2025 20:23

Instrument :

BNA_F

ClientSampleId :

CONC-ROLLOFF-WC-1

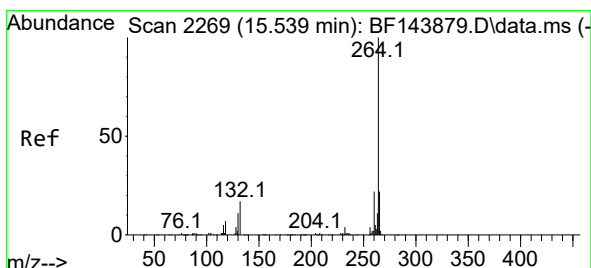
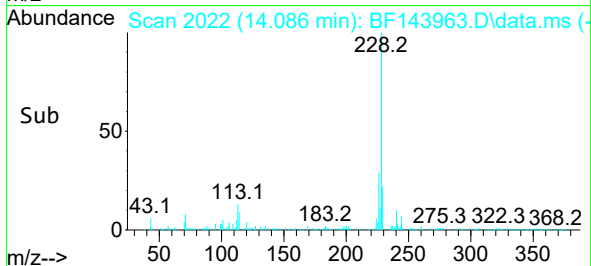
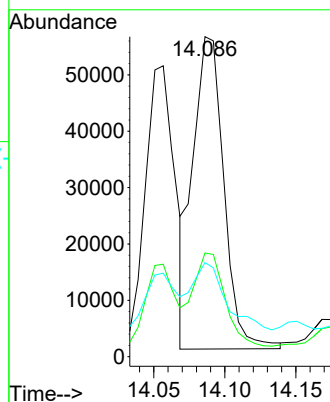
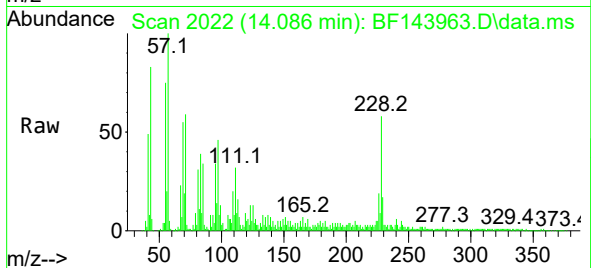
Tgt Ion:228	Resp: 8405
Ion Ratio	Lower Upper
228 100	
226 32.4	24.4 36.6
229 29.4	15.9 23.9

Manual Integrations

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Reviewed By :Rahul Chavli 10/16/2025

Supervised By :Jagrut Upadhyay 10/16/2025



#86

Perylene-d12

Concen: 20.00 ng

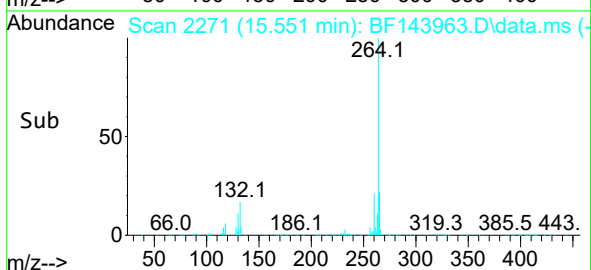
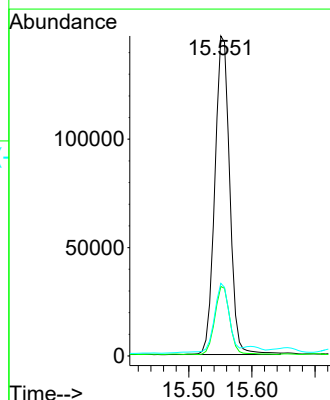
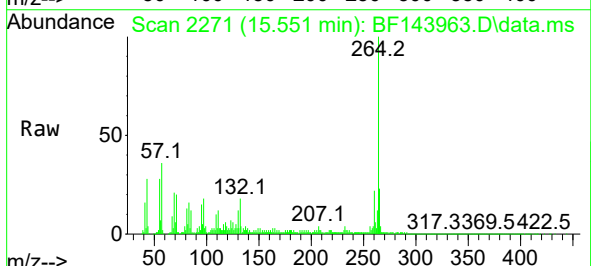
RT: 15.551 min Scan# 2271

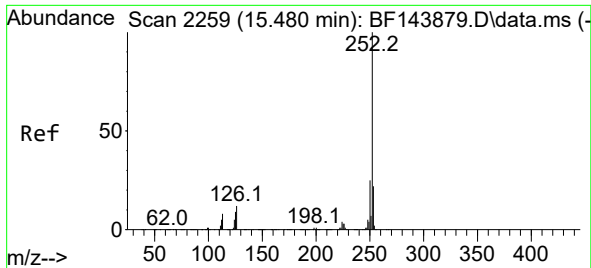
Delta R.T. 0.006 min

Lab File: BF143963.D

Acq: 15 Oct 2025 20:23

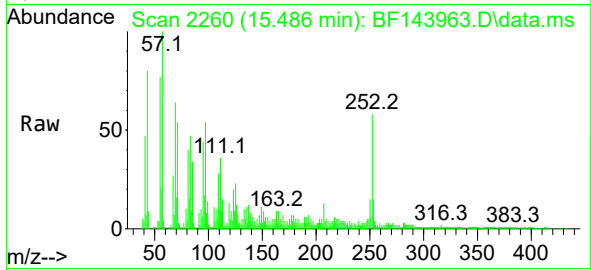
Tgt Ion:264	Resp: 240791
Ion Ratio	Lower Upper
264 100	
260 21.7	17.8 26.8
265 22.7	17.5 26.3





#90
Benzo(a)pyrene
Concen: 4.05 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143963.D
Acq: 15 Oct 2025 20:23

Instrument :
BNA_F
ClientSampleId :
CONC-ROLLOFF-WC-1



Tgt Ion:252 Resp: 48540

Ion	Ratio	Lower	Upper
252	100		
253	25.8	17.3	25.9
125	40.0	7.0	10.4

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

