

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143741.D
 Acq On : 12 Sep 2025 19:07
 Operator : RC/JU
 Sample : Q3082-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-32

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

Quant Time: Sep 12 23:45:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 09 15:20:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	26777	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	90658	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	44583	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	72968	20.000	ng	0.00
76) Chrysene-d12	14.057	240	80586	20.000	ng	0.01
86) Perylene-d12	15.539	264	74351	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	115553	73.627	ng	0.00
7) Phenol-d6	6.510	99	141856	74.233	ng	0.00
23) Nitrobenzene-d5	7.451	82	78245	53.684	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	37788	84.105	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	146980	49.802	ng	0.00
79) Terphenyl-d14	13.004	244	169289	34.043	ng	0.01
Target Compounds						
						Qvalue
71) Phenanthrene	11.439	178	13945	3.469	ng	96
75) Fluoranthene	12.633	202	29216	7.916	ng	97
78) Pyrene	12.863	202	27100	4.206	ng	97
81) Benzo(a)anthracene	14.051	228	19937	3.846	ng	97
83) Chrysene	14.080	228	15569m	3.279	ng	
88) Benzo(b)fluoranthene	15.104	252	24934m	5.634	ng	
90) Benzo(a)pyrene	15.474	252	16622	4.275	ng	97
92) Benzo(g,h,i)perylene	17.474	276	7901	2.006	ng	99

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

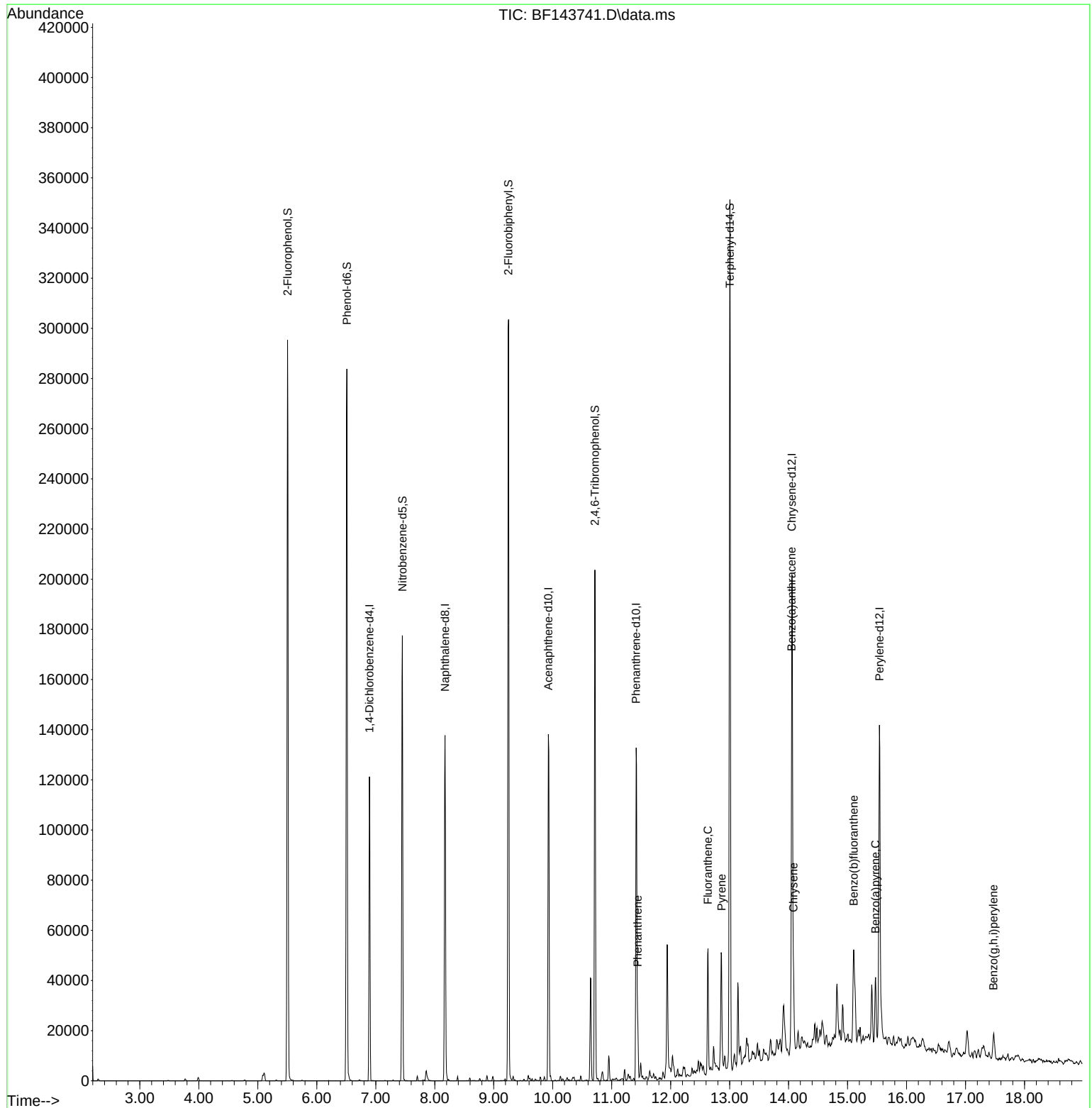
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
Data File : BF143741.D
Acq On : 12 Sep 2025 19:07
Operator : RC/JU
Sample : Q3082-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

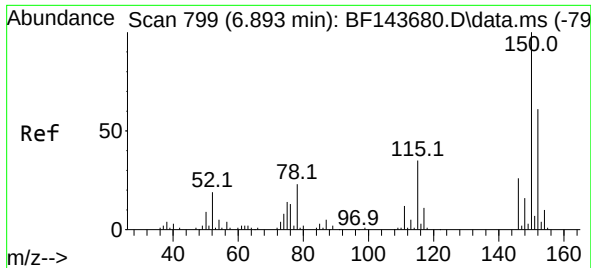
Instrument :
BNA_F
ClientSampleId :
WC-32

Quant Time: Sep 12 23:45:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 09 15:20:16 2025
Response via : Initial Calibration

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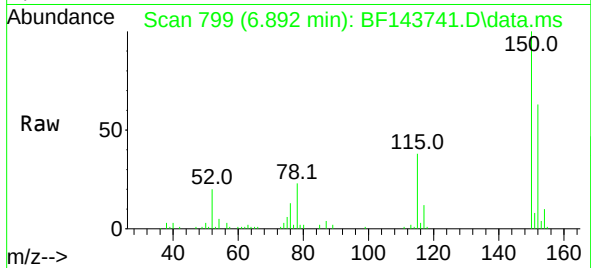
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Supervised By :Jagrut Upadhyay 09/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07

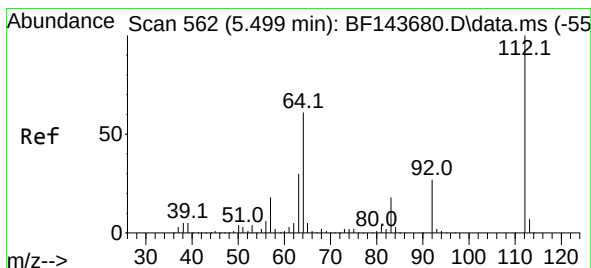
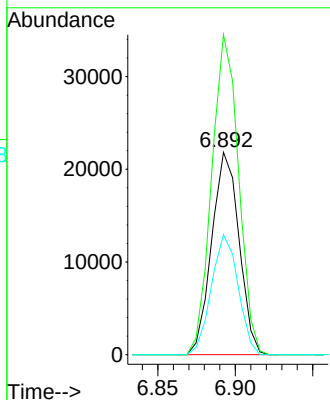
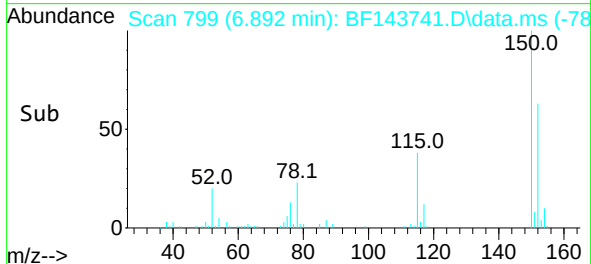
Instrument :
BNA_F
ClientSampleId :
WC-32



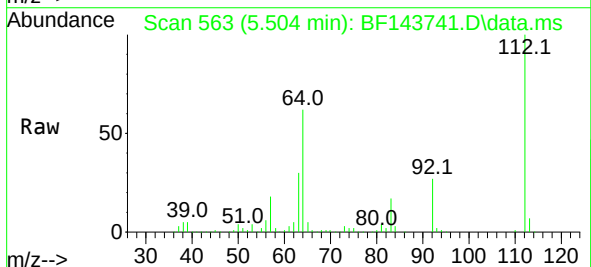
Tgt Ion:152 Resp: 2677
Ion Ratio Lower Upper
152 100
150 158.1 130.7 196.1
115 59.3 45.9 68.9

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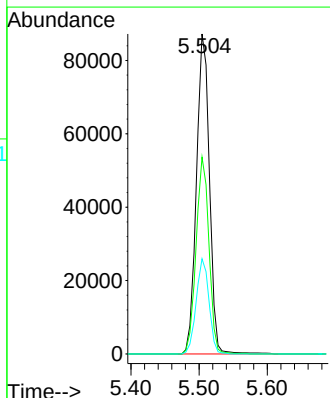
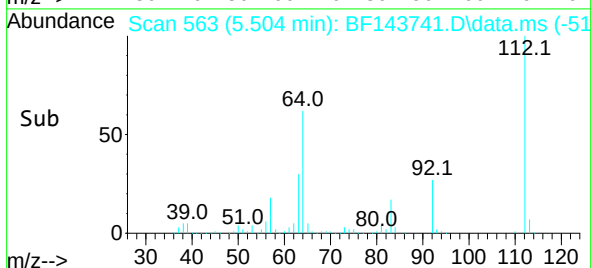
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

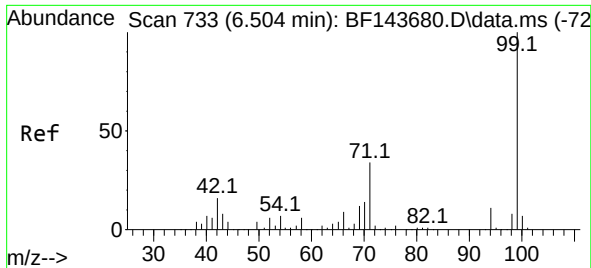


#5
2-Fluorophenol
Concen: 73.627 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07



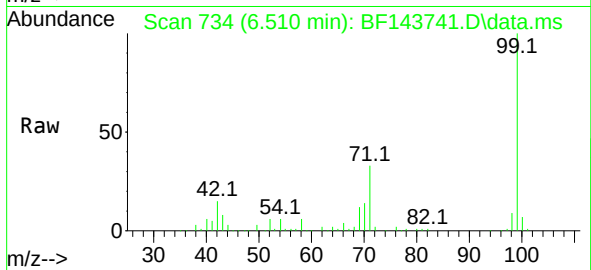
Tgt Ion:112 Resp: 115553
Ion Ratio Lower Upper
112 100
64 61.5 49.0 73.4
63 29.7 24.3 36.5





#7
Phenol-d6
Concen: 74.233 ng
RT: 6.510 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07

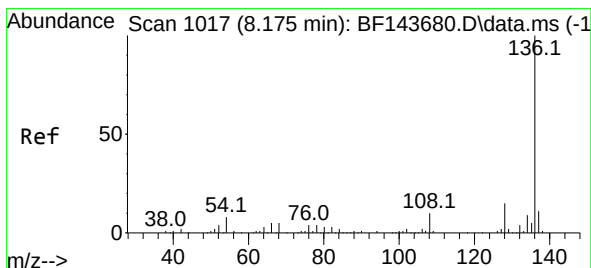
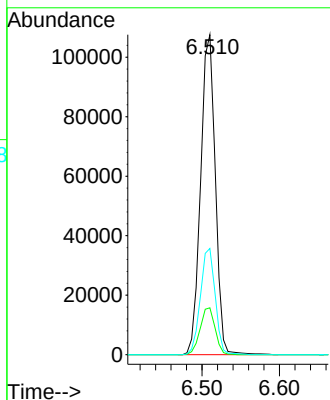
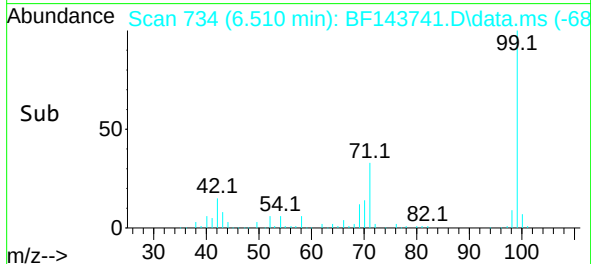
Instrument :
BNA_F
ClientSampleId :
WC-32



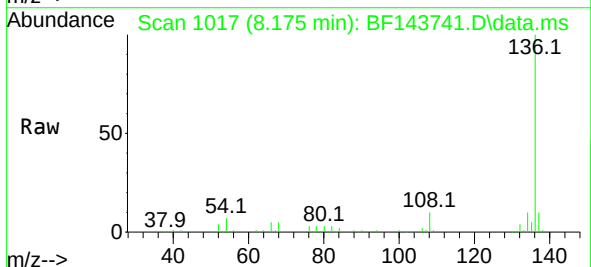
Tgt Ion: 99 Resp: 141850
Ion Ratio Lower Upper
99 100
42 14.6 13.0 19.4
71 33.2 27.4 41.2

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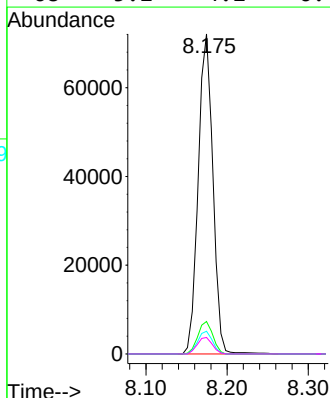
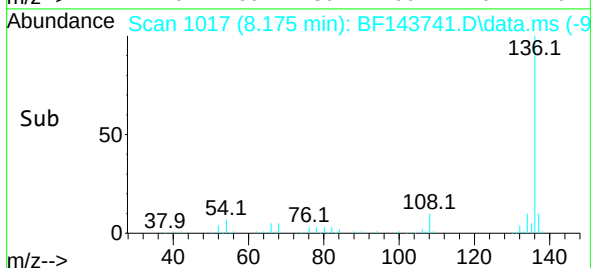
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

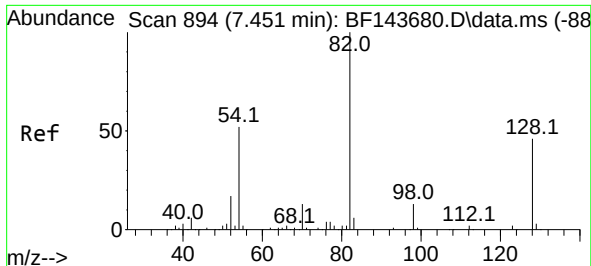


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07



Tgt Ion:136 Resp: 90658
Ion Ratio Lower Upper
136 100
137 10.1 8.7 13.1
54 7.1 6.2 9.2
68 5.2 4.2 6.4





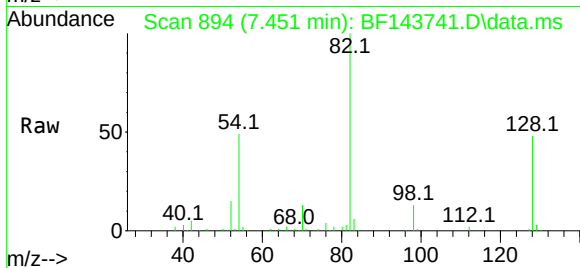
#23
Nitrobenzene-d5
Concen: 53.684 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07

Instrument :

BNA_F

ClientSampleId :

WC-32

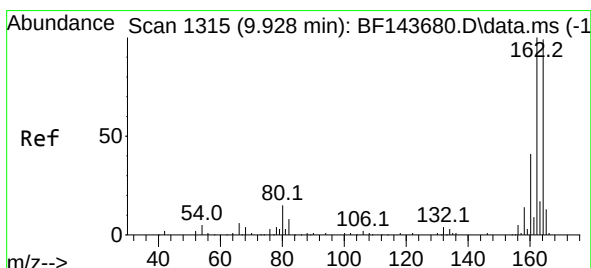
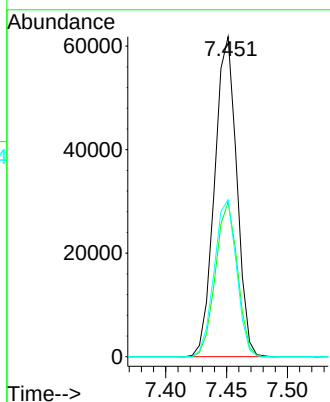
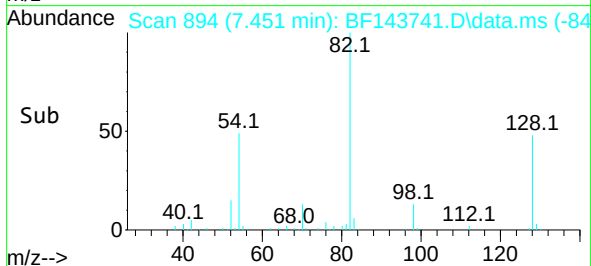


Tgt Ion: 82 Resp: 78245
Ion Ratio Lower Upper
82 100
128 48.3 37.0 55.4
54 49.0 41.8 62.8

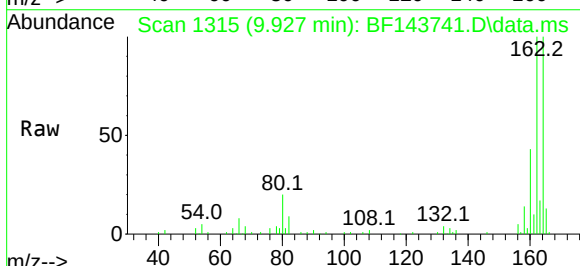
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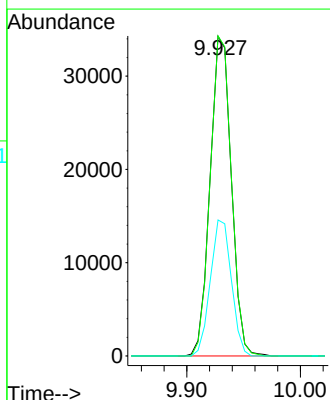
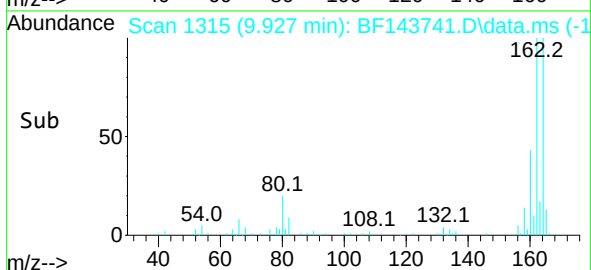
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

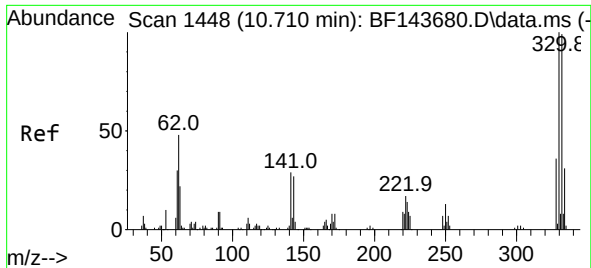


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.000 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07



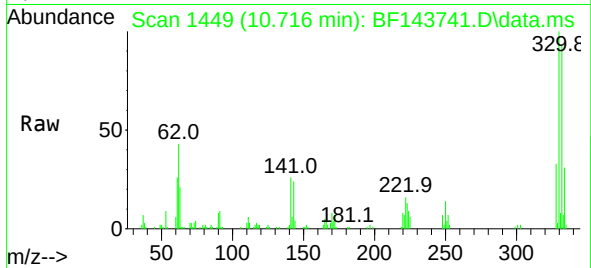
Tgt Ion:164 Resp: 44583
Ion Ratio Lower Upper
164 100
162 100.1 80.6 121.0
160 42.6 33.0 49.4





#42
2,4,6-Tribromophenol
Concen: 84.105 ng
RT: 10.716 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07

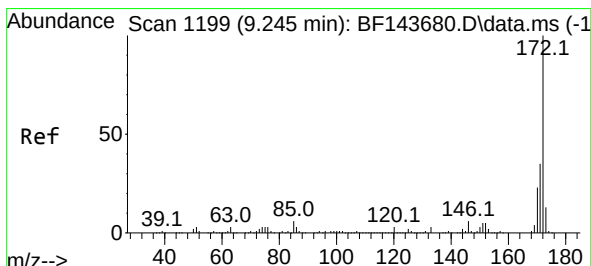
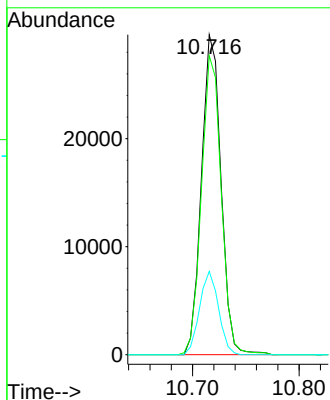
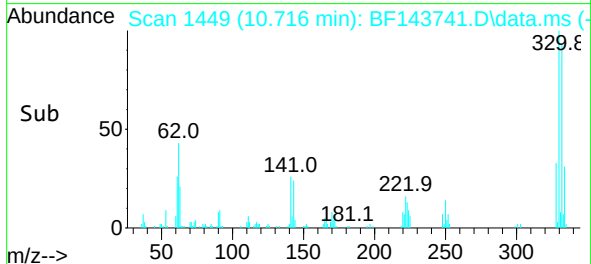
Instrument :
BNA_F
ClientSampleId :
WC-32



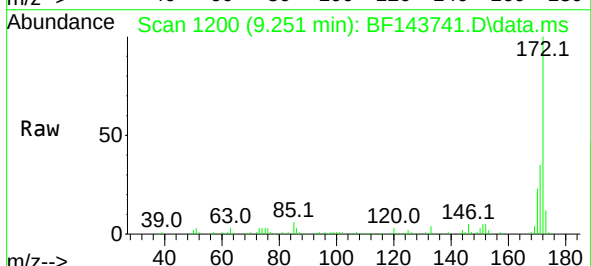
Tgt Ion: 330 Resp: 3778
Ion Ratio Lower Upper
330 100
332 94.8 79.2 118.8
141 25.2 22.2 33.4

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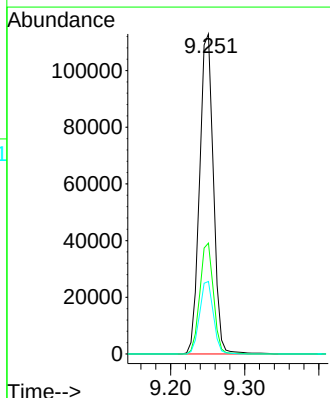
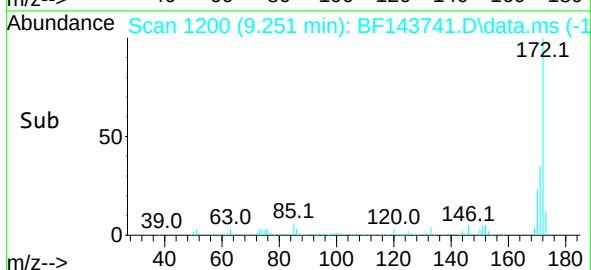
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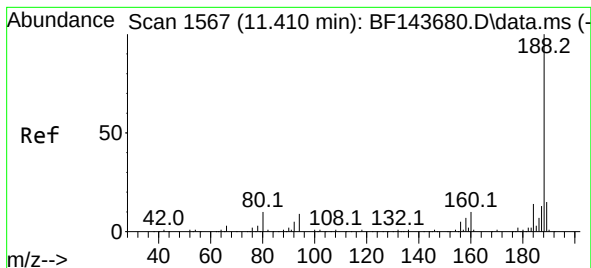


#45
2-Fluorobiphenyl
Concen: 49.802 ng
RT: 9.251 min Scan# 1200
Delta R.T. 0.006 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07



Tgt Ion: 172 Resp: 146980
Ion Ratio Lower Upper
172 100
171 34.7 27.9 41.9
170 22.7 18.6 27.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1567

Delta R.T. 0.006 min

Lab File: BF143741.D

Acq: 12 Sep 2025 19:07

Instrument :

BNA_F

ClientSampleId :

WC-32

Tgt Ion:188 Resp: 7296

Ion Ratio Lower Upper

188 100

94 9.3 7.4 11.0

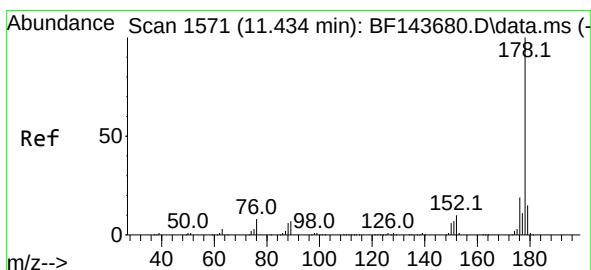
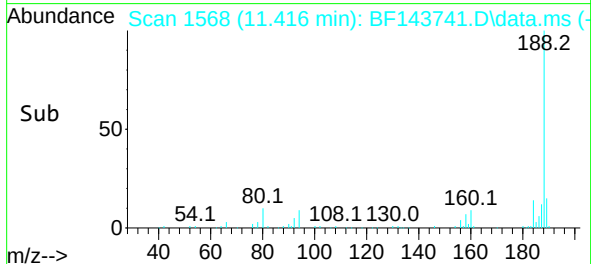
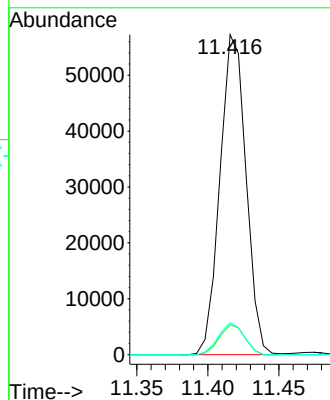
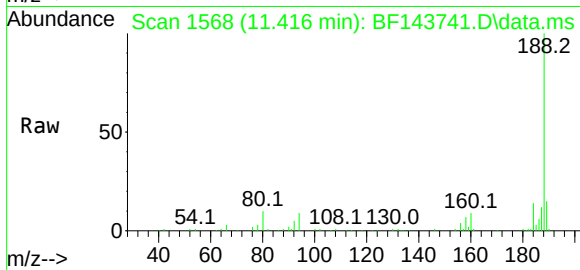
80 10.0 7.7 11.5

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

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#71

Phenanthrene

Concen: 3.469 ng

RT: 11.439 min Scan# 1572

Delta R.T. 0.006 min

Lab File: BF143741.D

Acq: 12 Sep 2025 19:07

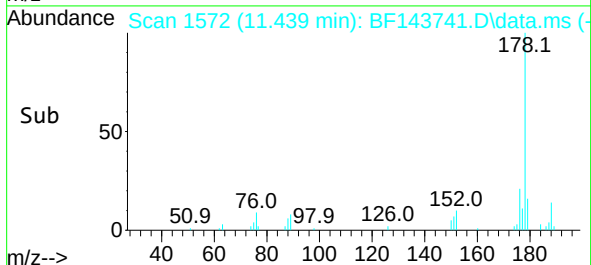
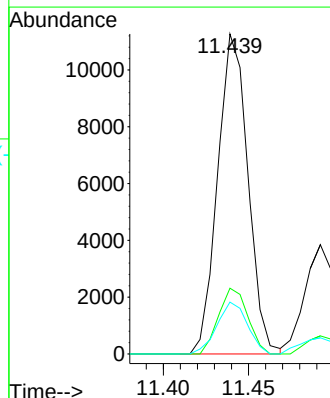
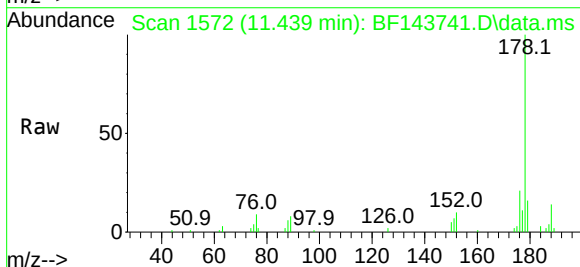
Tgt Ion:178 Resp: 13945

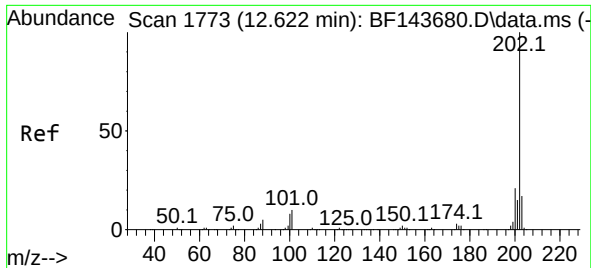
Ion Ratio Lower Upper

178 100

176 20.6 14.8 22.2

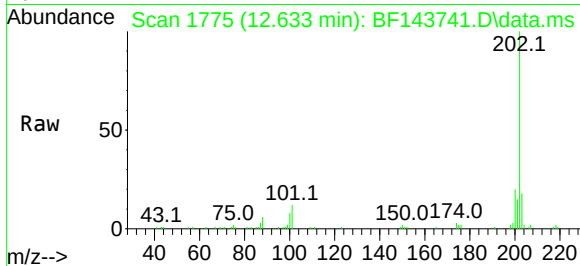
179 16.2 12.2 18.2





#75
Fluoranthene
Concen: 7.916 ng
RT: 12.633 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07

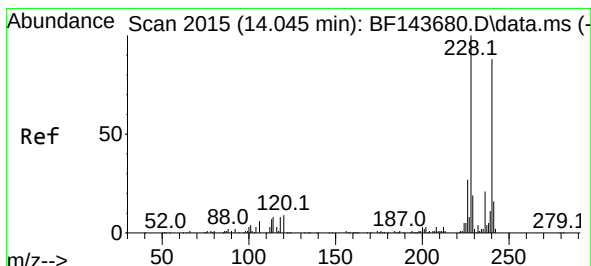
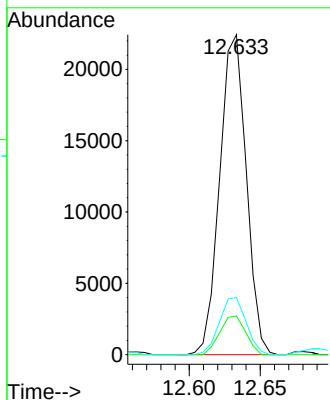
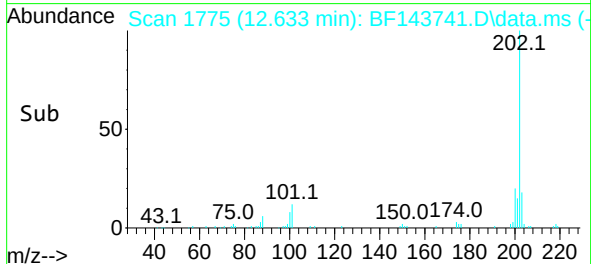
Instrument :
BNA_F
ClientSampleId :
WC-32



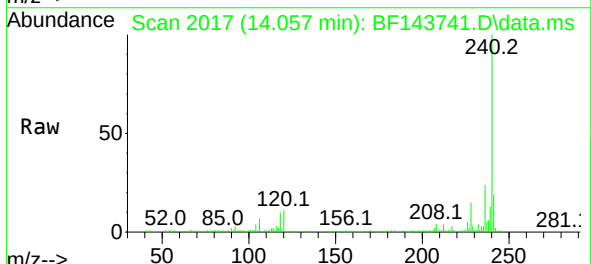
Tgt Ion:202 Resp: 29210
Ion Ratio Lower Upper
202 100
101 12.1 0.0 30.5
203 17.8 0.0 37.1

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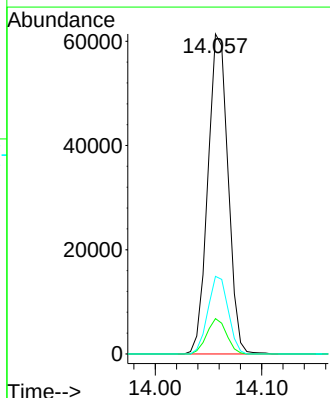
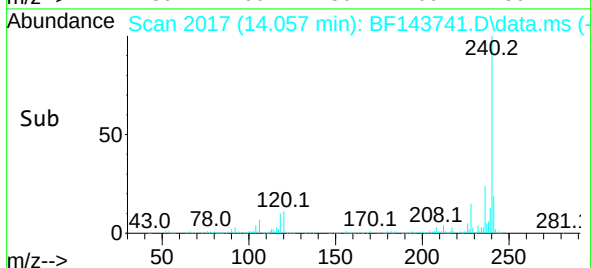
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

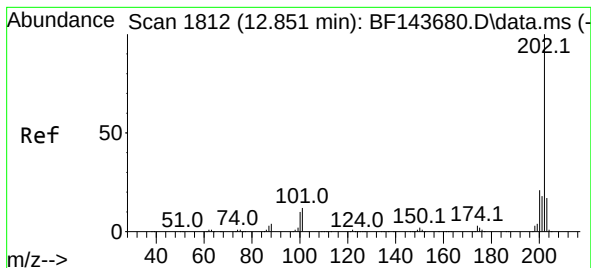


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.012 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07



Tgt Ion:240 Resp: 80586
Ion Ratio Lower Upper
240 100
120 11.1 8.4 12.6
236 24.2 18.6 28.0





#78

Pyrene

Concen: 4.206 ng

RT: 12.863 min Scan# 1814

Delta R.T. 0.012 min

Lab File: BF143741.D

Acq: 12 Sep 2025 19:07

Instrument :

BNA_F

ClientSampleId :

WC-32

Tgt Ion:202 Resp: 27100

Ion Ratio Lower Upper

202 100

200 21.6 16.6 24.8

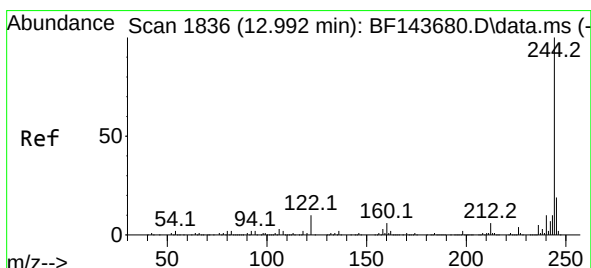
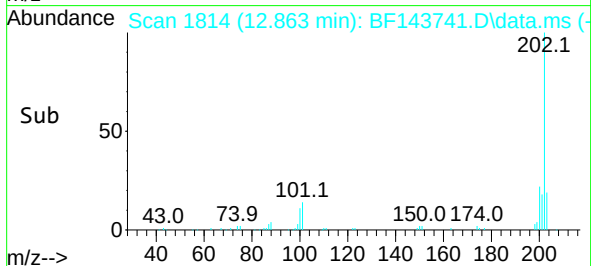
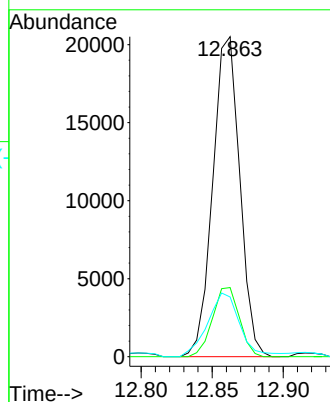
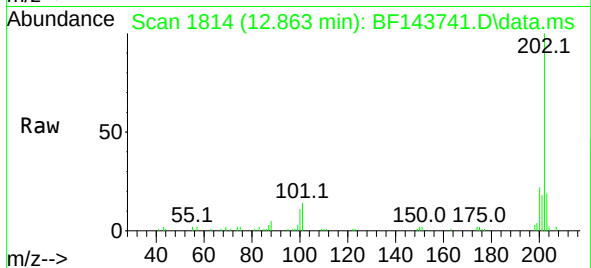
203 18.7 13.5 20.3

Manual Integrations

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#79

Terphenyl-d14

Concen: 34.043 ng

RT: 13.004 min Scan# 1838

Delta R.T. 0.012 min

Lab File: BF143741.D

Acq: 12 Sep 2025 19:07

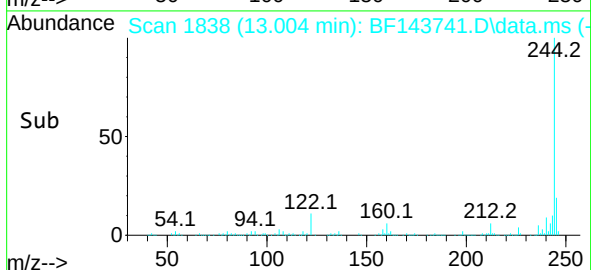
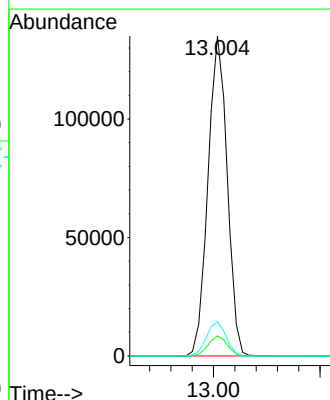
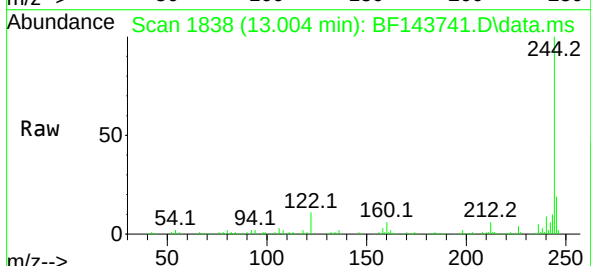
Tgt Ion:244 Resp: 169289

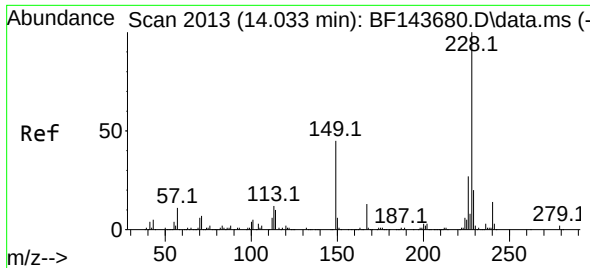
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.6

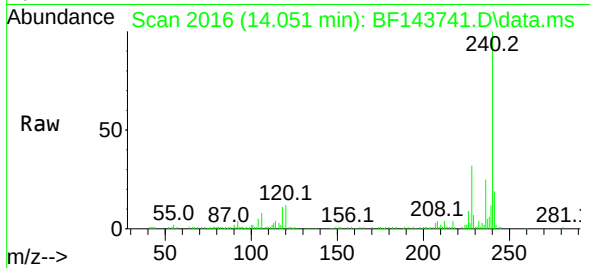
122 10.7 7.9 11.9





#81
Benzo(a)anthracene
Concen: 3.846 ng
RT: 14.051 min Scan# 2013
Delta R.T. 0.017 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07

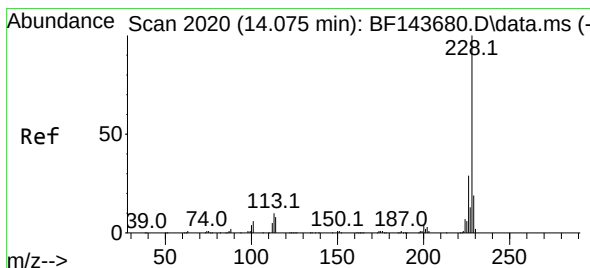
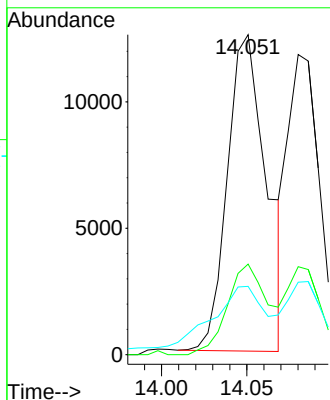
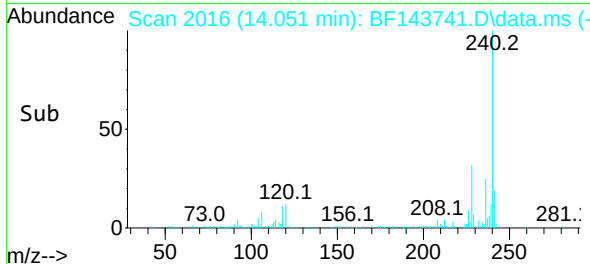
Instrument :
BNA_F
ClientSampleId :
WC-32



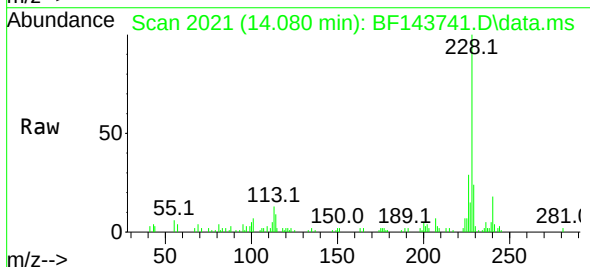
Tgt Ion:228 Resp: 1993
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 21.3 15.7 23.5

Manual Integrations
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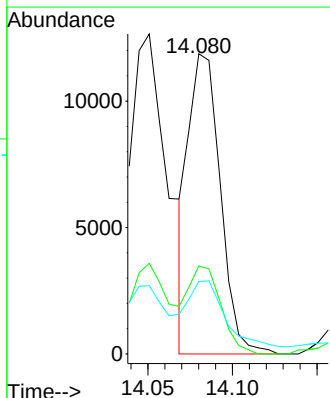
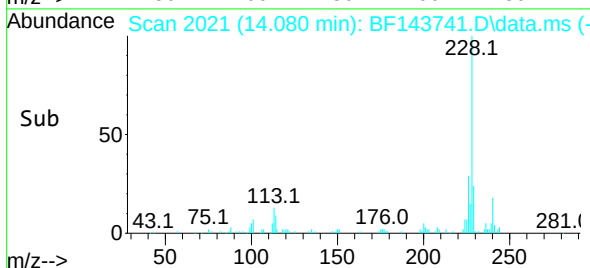
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

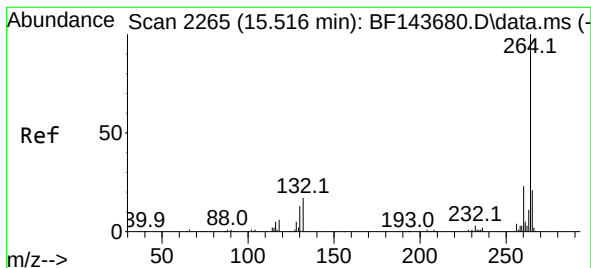


#83
Chrysene
Concen: 3.279 ng m
RT: 14.080 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF143741.D
Acq: 12 Sep 2025 19:07



Tgt Ion:228 Resp: 15569
Ion Ratio Lower Upper
228 100
226 29.3 22.7 34.1
229 24.1 15.1 22.7#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 2195

Delta R.T. 0.023 min

Lab File: BF143741.D

Acq: 12 Sep 2025 19:07

Instrument :

BNA_F

ClientSampleId :

WC-32

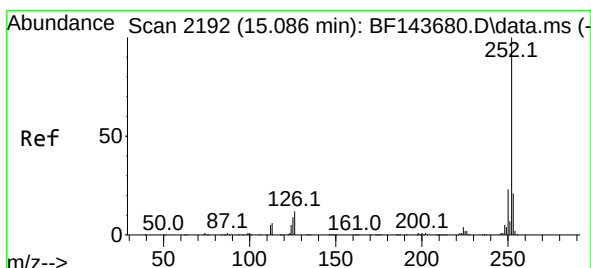
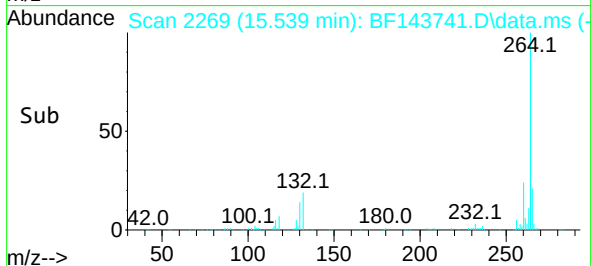
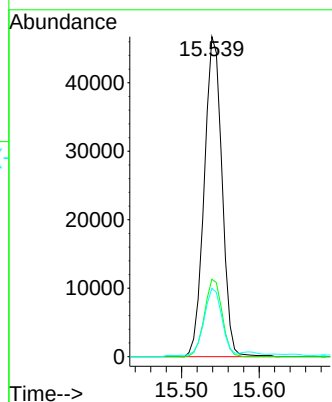
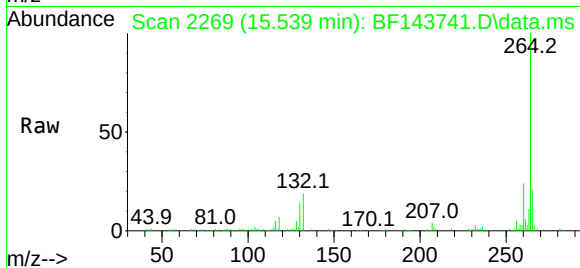
Tgt Ion:264	Resp:	7435
Ion Ratio	Lower	Upper
264	100	
260	24.2	18.4 27.6
265	21.4	17.1 25.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#88

Benzo(b)fluoranthene

Concen: 5.634 ng m

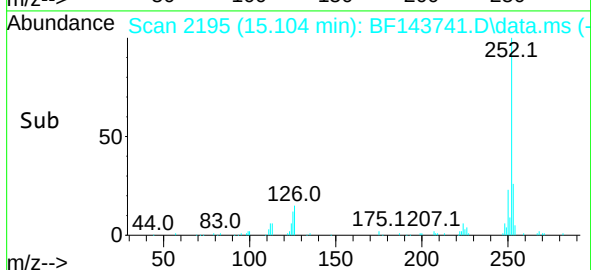
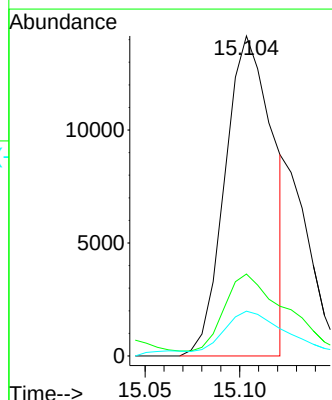
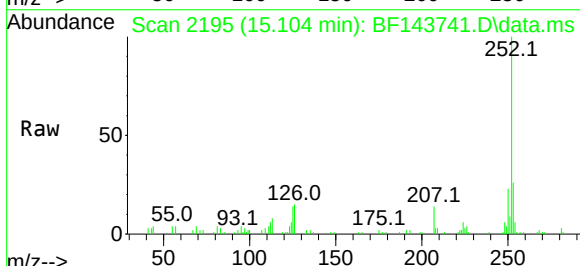
RT: 15.104 min Scan# 2195

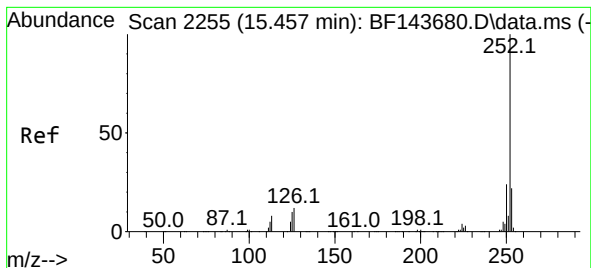
Delta R.T. 0.017 min

Lab File: BF143741.D

Acq: 12 Sep 2025 19:07

Tgt Ion:252	Resp:	24934
Ion Ratio	Lower	Upper
252	100	
253	25.6	17.0 25.4#
125	14.0	7.4 11.0#





#90

Benzo(a)pyrene

Concen: 4.275 ng

RT: 15.474 min Scan# 21

Delta R.T. 0.017 min

Lab File: BF143741.D

Acq: 12 Sep 2025 19:07

Instrument :

BNA_F

ClientSampleId :

WC-32

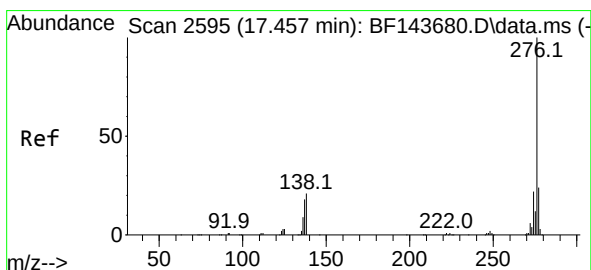
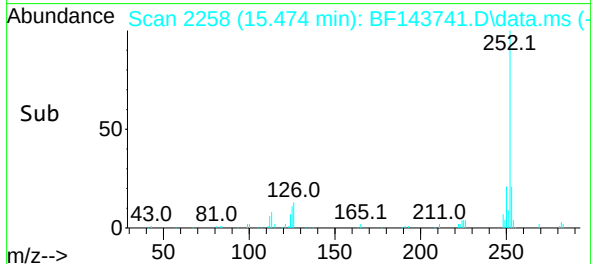
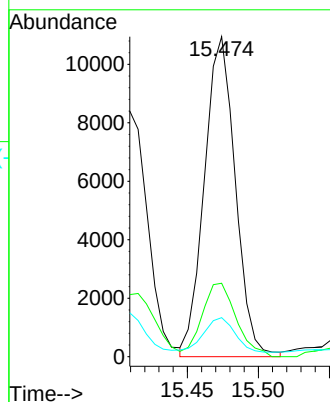
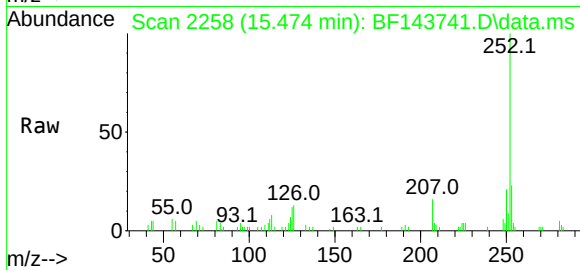
Tgt Ion:	252	Resp:	1662
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.4	26.0
125	12.2	8.2	12.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#92

Benzo(g,h,i)perylene

Concen: 2.006 ng

RT: 17.474 min Scan# 2598

Delta R.T. 0.017 min

Lab File: BF143741.D

Acq: 12 Sep 2025 19:07

Tgt Ion:	276	Resp:	7901
Ion Ratio	Lower	Upper	
276	100		
277	24.6	19.2	28.8
138	21.7	17.0	25.4

