

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
 Data File : BF143732.D
 Acq On : 12 Sep 2025 14:42
 Operator : RC/JU
 Sample : Q3082-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-30

Manual Integrations
 APPROVED

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

Quant Time: Sep 12 15:04:14 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	6.893	152	34289	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	119652	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	59408	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	87972	20.000	ng	0.00
76) Chrysene-d12	14.057	240	86939	20.000	ng	0.01
86) Perylene-d12	15.545	264	95386	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	95813	47.674	ng	0.00
7) Phenol-d6	6.504	99	112598	46.014	ng	0.00
23) Nitrobenzene-d5	7.451	82	69415	36.085	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	27093	45.253	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	148121	37.664	ng	0.00
79) Terphenyl-d14	13.004	244	141005	26.283	ng	0.01
Target Compounds						Qvalue
37) 2-Methylnaphthalene	8.887	142	9007	2.221	ng	98
71) Phenanthrene	11.439	178	29675	6.122	ng	96
75) Fluoranthene	12.633	202	42350	9.517	ng	99
78) Pyrene	12.863	202	36564	5.260	ng	96
81) Benzo(a)anthracene	14.051	228	27988	5.004	ng	93
83) Chrysene	14.086	228	21893	4.274	ng	96
87) Indeno(1,2,3-cd)pyrene	17.027	276	13102	2.013	ng	95
88) Benzo(b)fluoranthene	15.104	252	31982m	5.632	ng	
89) Benzo(k)fluoranthene	15.121	252	11217m	2.189	ng	
90) Benzo(a)pyrene	15.474	252	20851	4.180	ng	# 97
92) Benzo(g,h,i)perylene	17.480	276	10378	2.054	ng	96

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

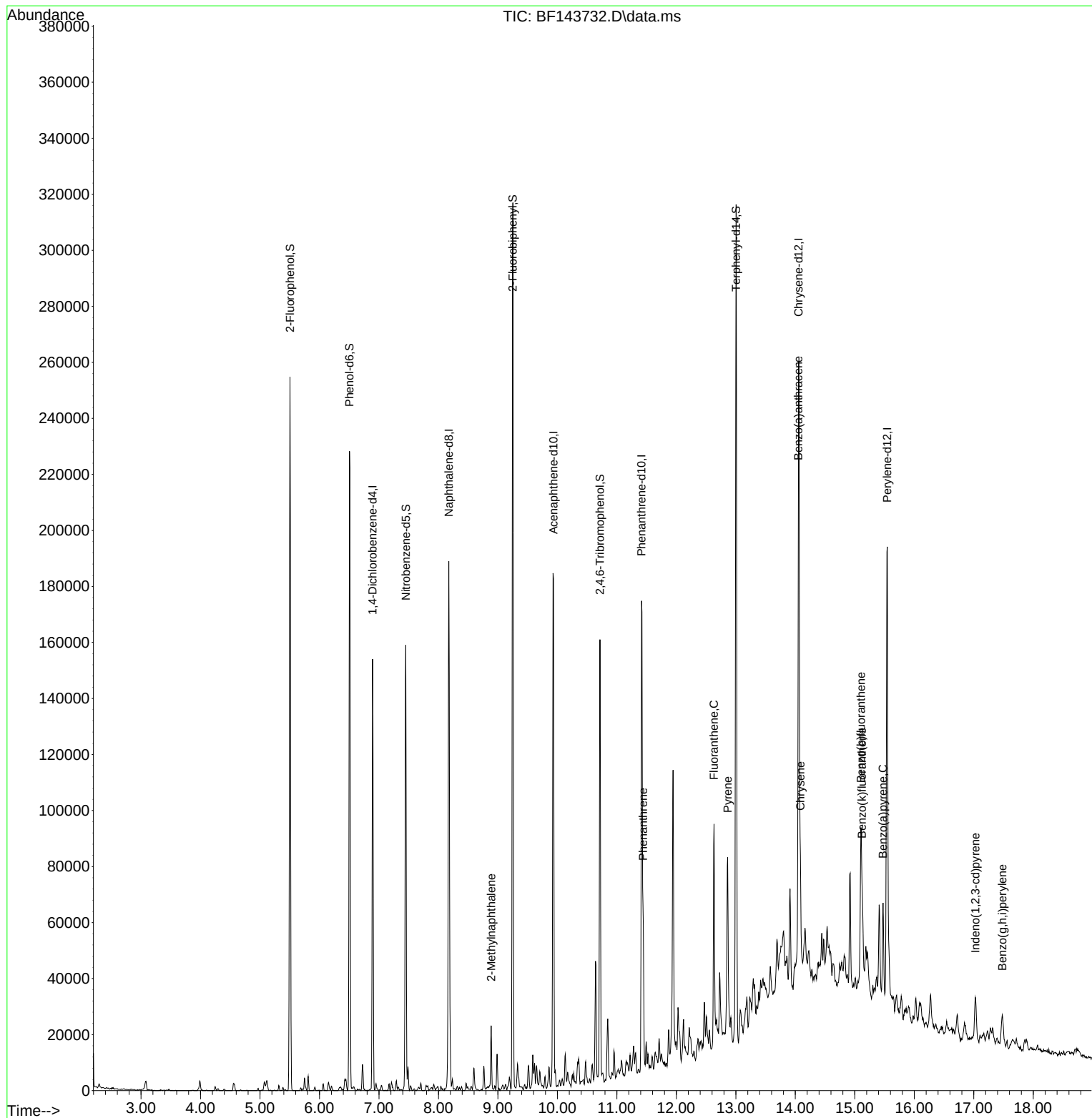
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091225\
Data File : BF143732.D
Acq On : 12 Sep 2025 14:42
Operator : RC/JU
Sample : Q3082-03
Misc :
ALS Vial : 10 Sample Multiplier: 1

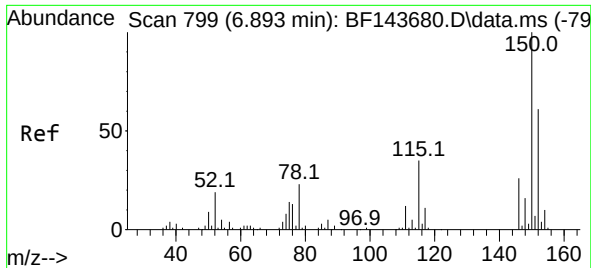
Instrument :
BNA_F
ClientSampleId :
WC-30

Quant Time: Sep 12 15:04:14 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
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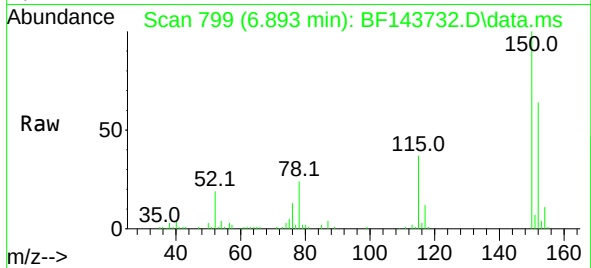
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

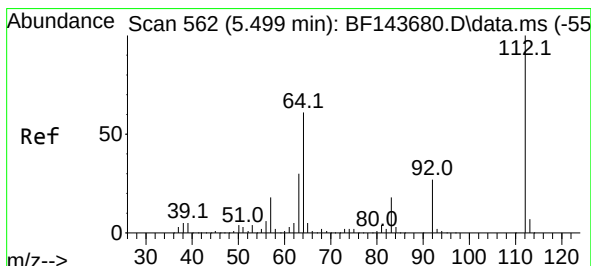
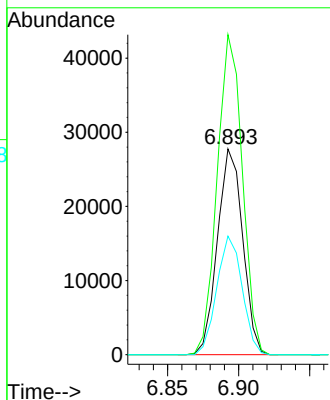
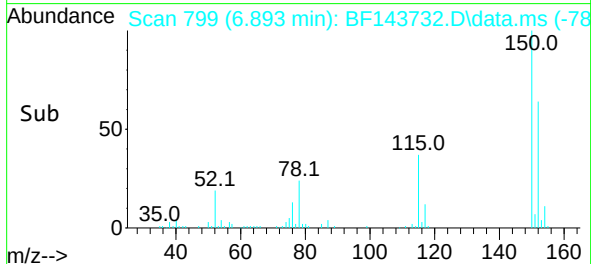
Instrument :
BNA_F
ClientSampleId :
WC-30



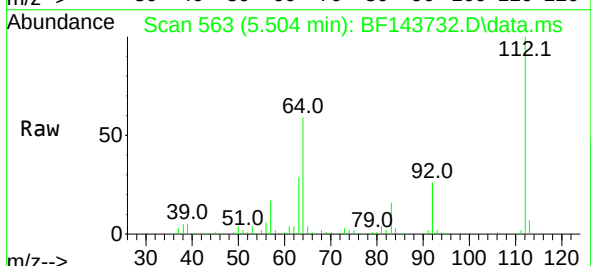
Tgt Ion:152 Resp: 34289
Ion Ratio Lower Upper
152 100
150 155.5 130.7 196.1
115 57.6 45.9 68.9

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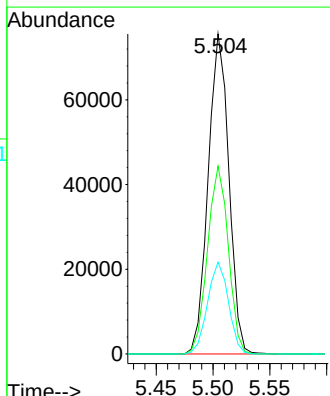
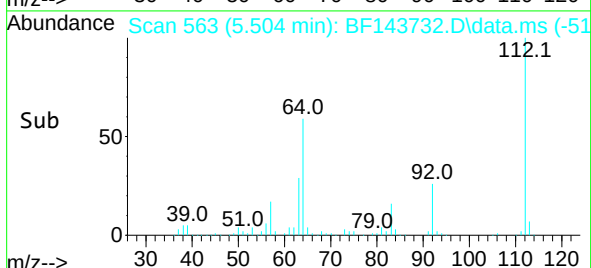
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

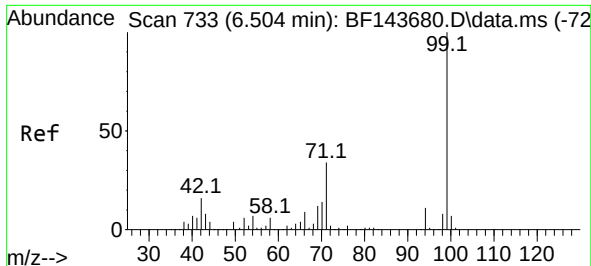


#5
2-Fluorophenol
Concen: 47.674 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.006 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42



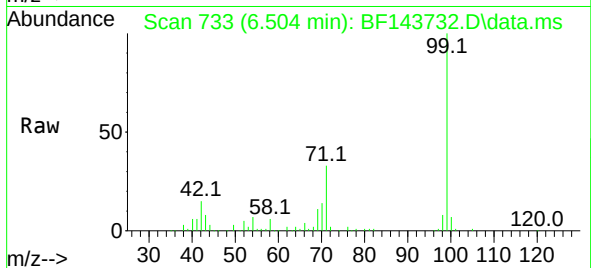
Tgt Ion:112 Resp: 95813
Ion Ratio Lower Upper
112 100
64 58.7 49.0 73.4
63 28.7 24.3 36.5





#7
Phenol-d6
Concen: 46.014 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

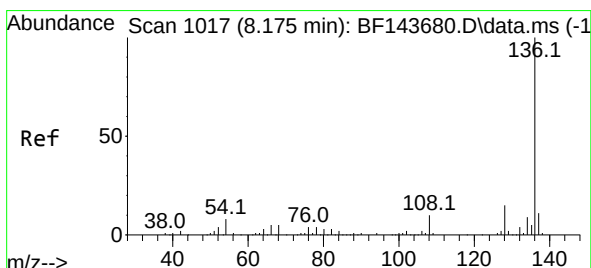
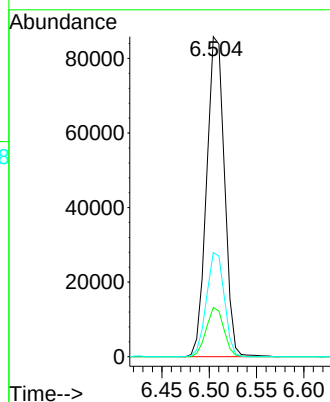
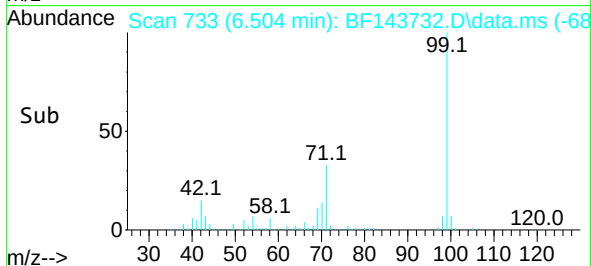
Instrument :
BNA_F
ClientSampleId :
WC-30



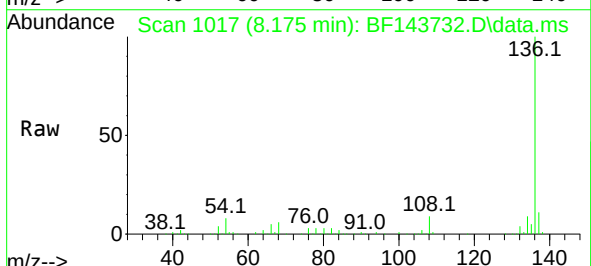
Tgt Ion: 99 Resp: 112598
Ion Ratio Lower Upper
99 100
42 15.4 13.0 19.4
71 32.6 27.4 41.2

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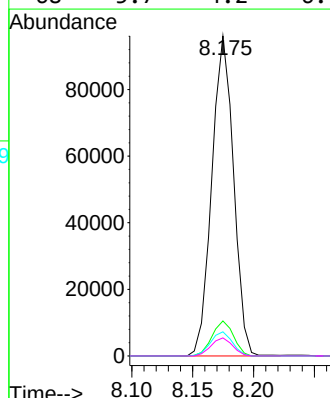
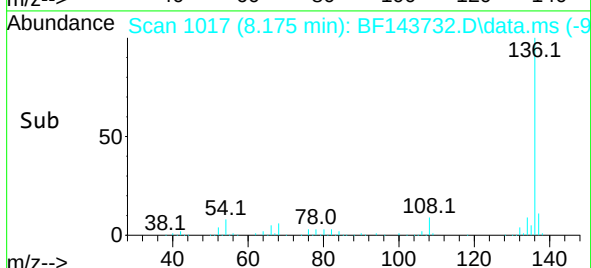
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

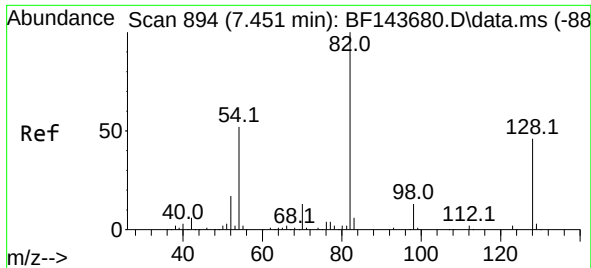


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.000 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42



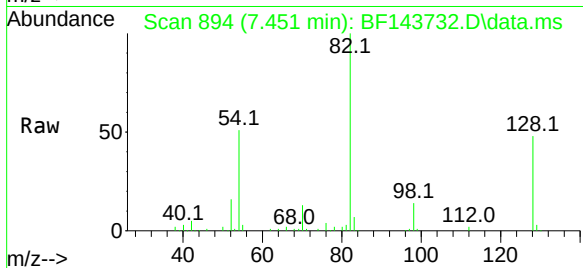
Tgt Ion:136 Resp: 119652
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 7.5 6.2 9.2
68 5.7 4.2 6.4





#23
Nitrobenzene-d5
Concen: 36.085 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.000 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

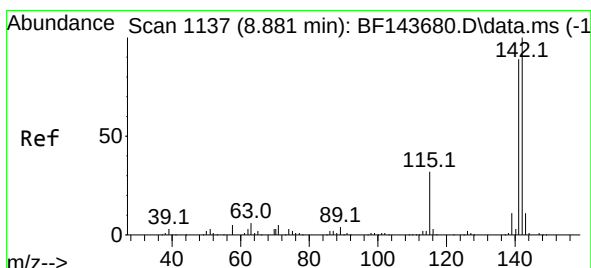
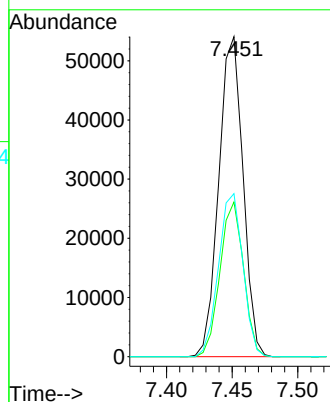
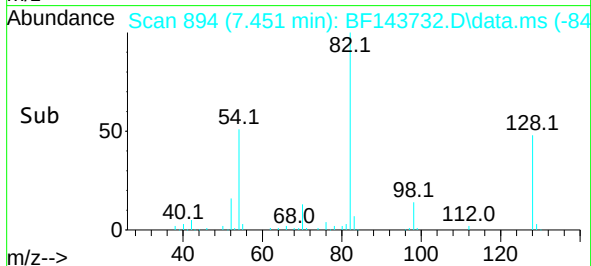
Instrument :
BNA_F
ClientSampleId :
WC-30



Tgt Ion: 82 Resp: 69415
Ion Ratio Lower Upper
82 100
128 48.3 37.0 55.4
54 50.9 41.8 62.8

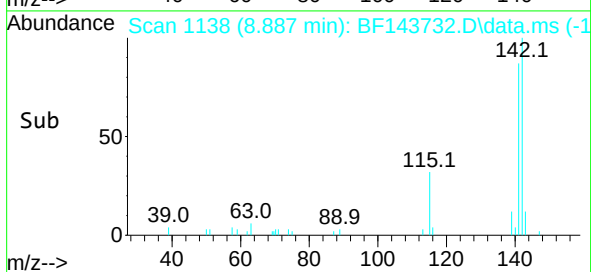
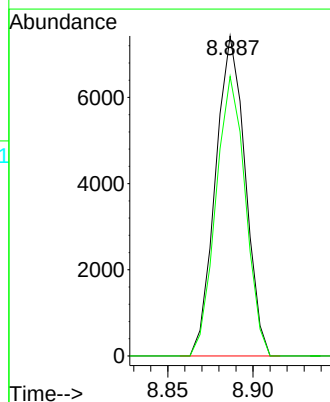
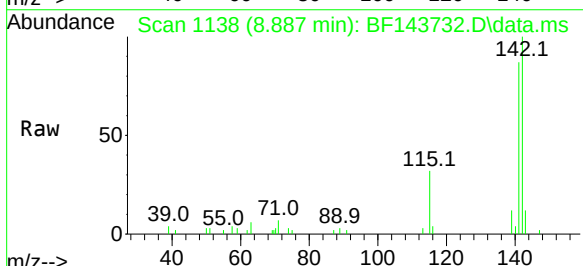
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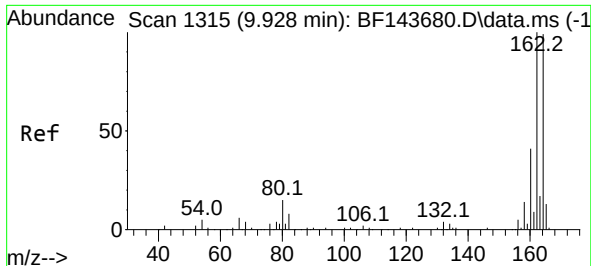
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025



#37
2-Methylnaphthalene
Concen: 2.221 ng
RT: 8.887 min Scan# 1138
Delta R.T. 0.006 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

Tgt Ion:142 Resp: 9007
Ion Ratio Lower Upper
142 100
141 87.3 71.1 106.7





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1315

Delta R.T. 0.006 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

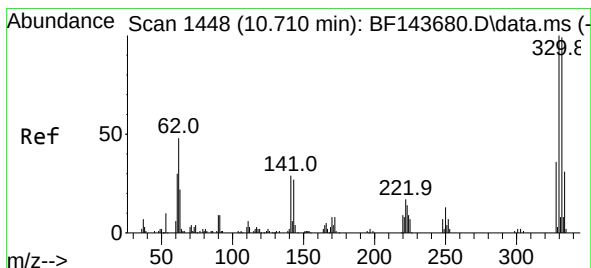
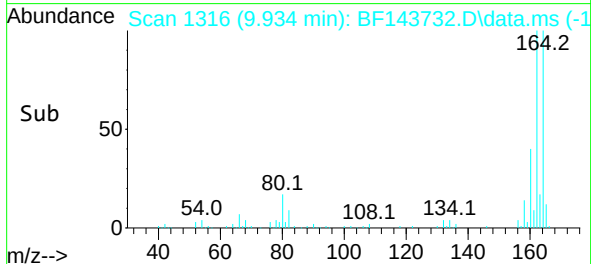
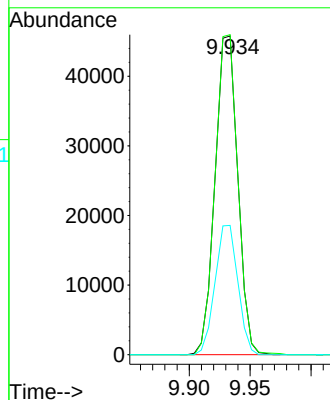
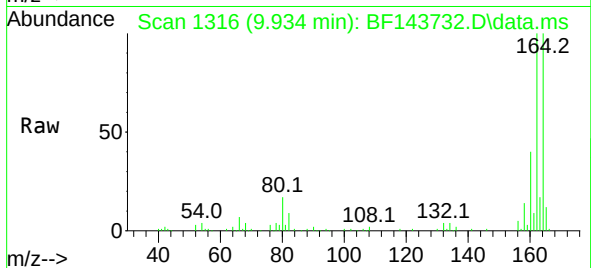
Tgt Ion:164	Resp:	5940
Ion Ratio	Lower	Upper
164	100	
162	100.4	80.6 121.0
160	40.6	33.0 49.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 09/15/2025



#42

2,4,6-Tribromophenol

Concen: 45.253 ng

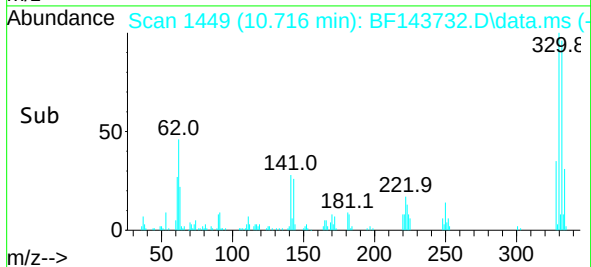
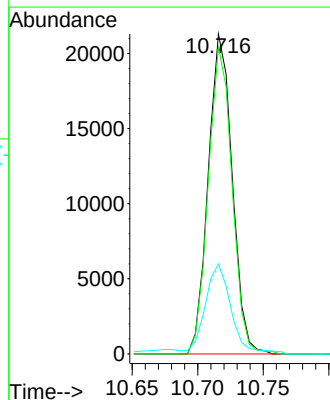
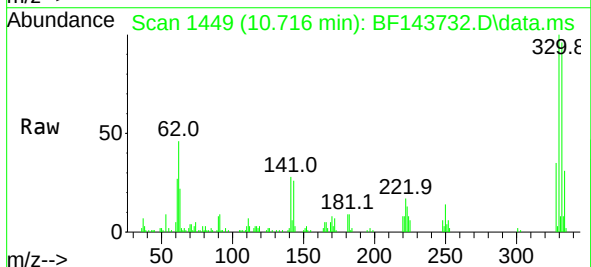
RT: 10.716 min Scan# 1449

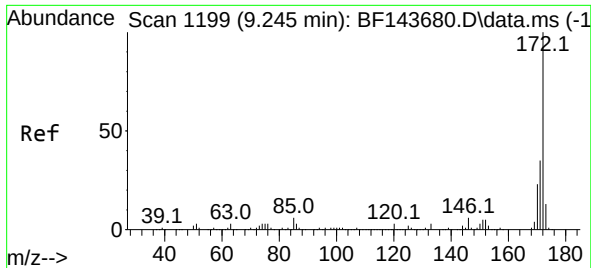
Delta R.T. 0.006 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

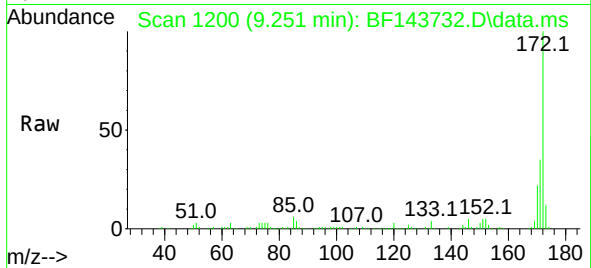
Tgt Ion:330	Resp:	27093
Ion Ratio	Lower	Upper
330	100	
332	94.9	79.2 118.8
141	30.3	22.2 33.4





#45
2-Fluorobiphenyl
Concen: 37.664 ng
RT: 9.251 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

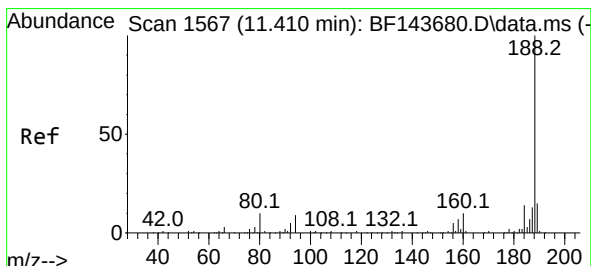
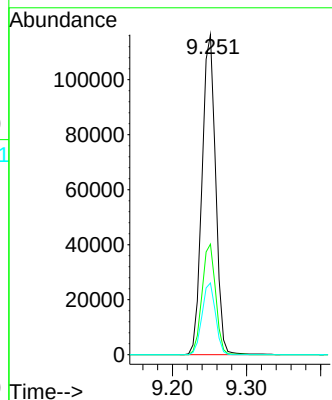
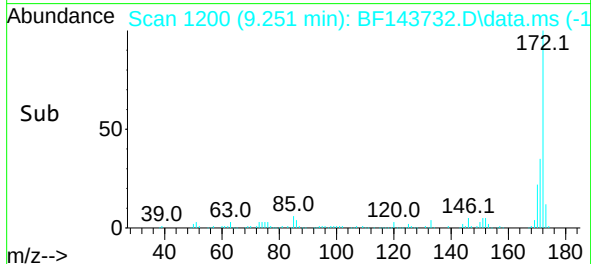
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BNA_F
ClientSampleId :
WC-30



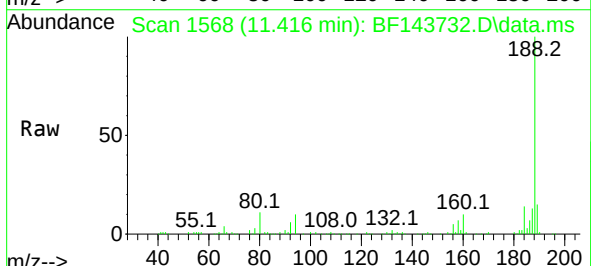
Tgt Ion:172 Resp: 14812
Ion Ratio Lower Upper
172 100
171 34.5 27.9 41.9
170 22.4 18.6 27.8

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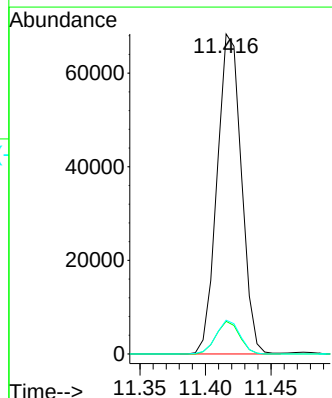
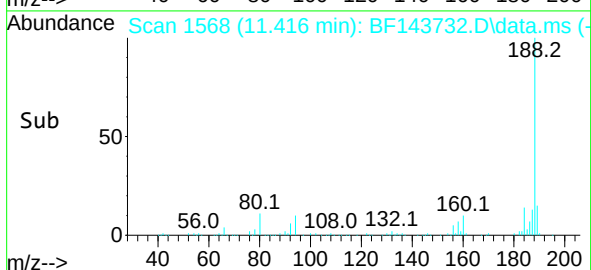
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

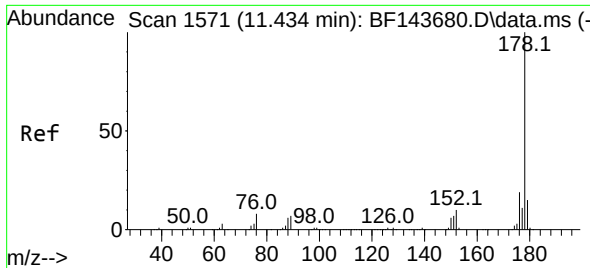


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.006 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42



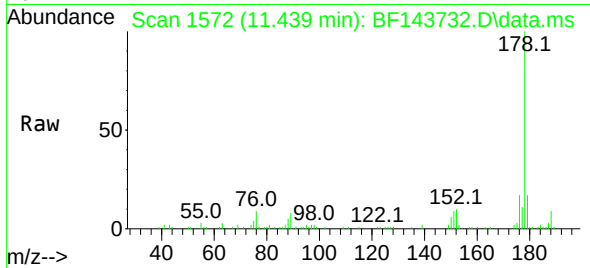
Tgt Ion:188 Resp: 87972
Ion Ratio Lower Upper
188 100
94 10.2 7.4 11.0
80 10.6 7.7 11.5





#71
Phenanthrene
Concen: 6.122 ng
RT: 11.439 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

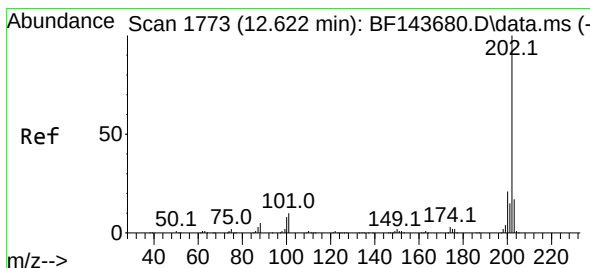
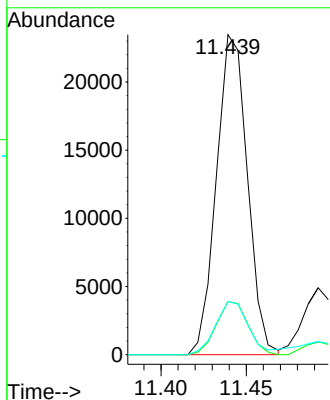
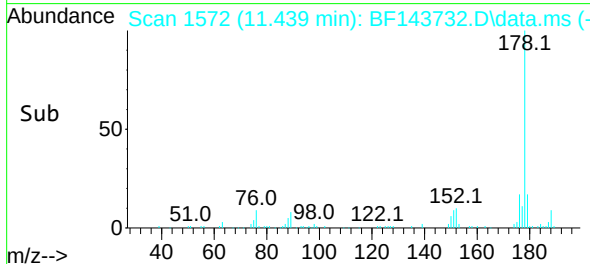
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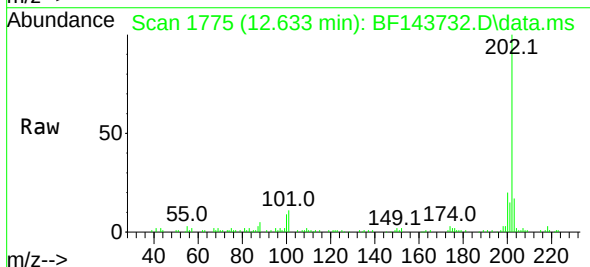
Tgt Ion:178 Resp: 2967
Ion Ratio Lower Upper
178 100
176 16.6 14.8 22.2
179 16.6 12.2 18.2

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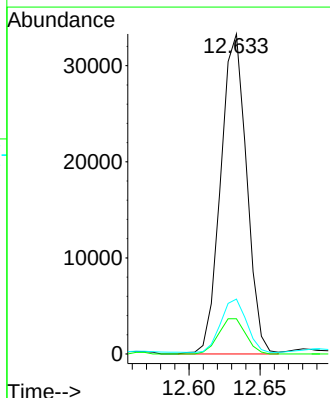
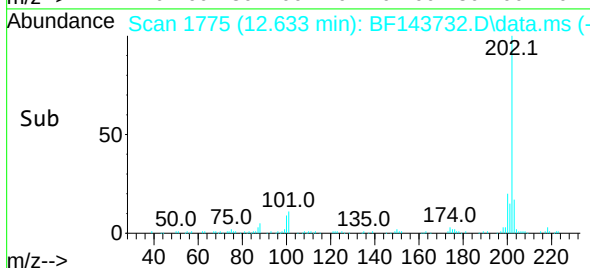
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

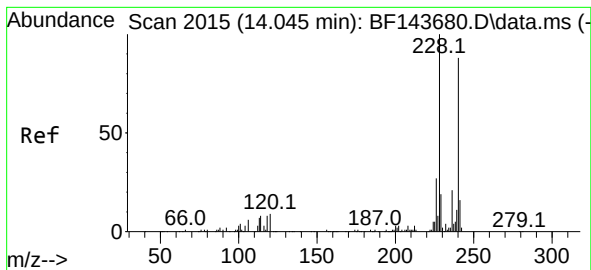


#75
Fluoranthene
Concen: 9.517 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.012 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42



Tgt Ion:202 Resp: 42350
Ion Ratio Lower Upper
202 100
101 11.0 0.0 30.5
203 17.1 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

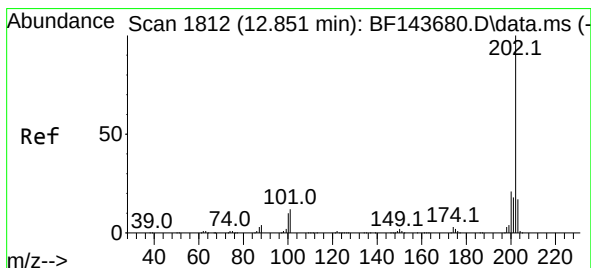
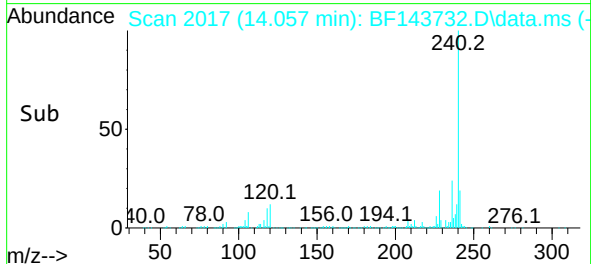
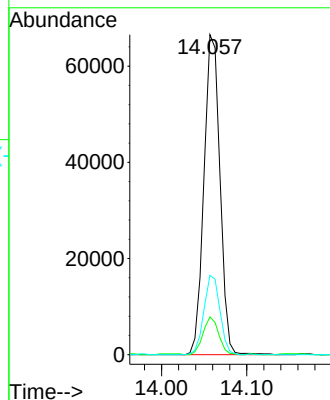
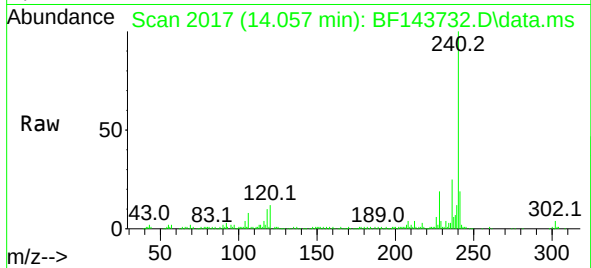
Tgt Ion:240	Resp:	86939
Ion Ratio	Lower	Upper
240	100	
120	11.8	8.4 12.6
236	24.8	18.6 28.0

Manual Integrations

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#78

Pyrene

Concen: 5.260 ng

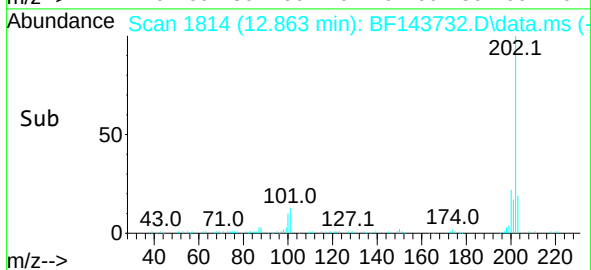
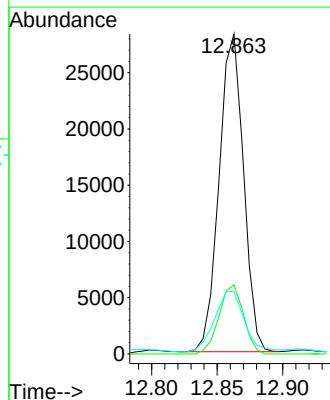
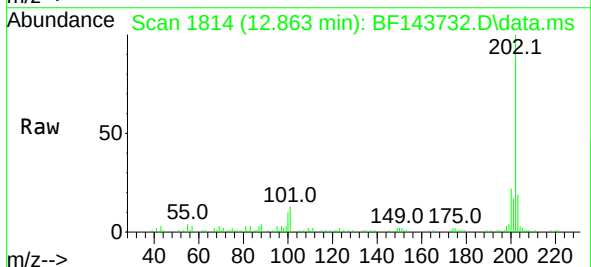
RT: 12.863 min Scan# 1814

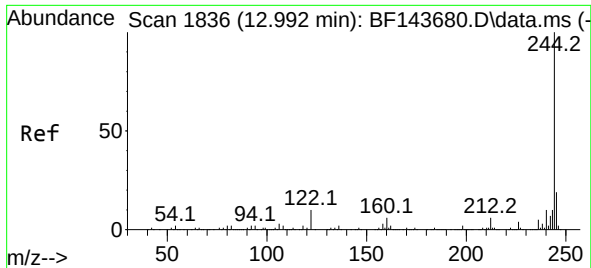
Delta R.T. 0.012 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

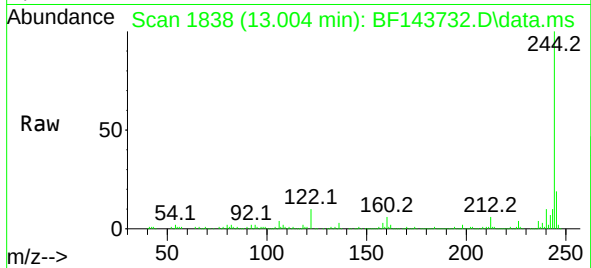
Tgt Ion:202	Resp:	36564
Ion Ratio	Lower	Upper
202	100	
200	21.6	16.6 24.8
203	19.4	13.5 20.3





#79
 Terphenyl-d14
 Concen: 26.283 ng
 RT: 13.004 min Scan# 11
 Delta R.T. 0.012 min
 Lab File: BF143732.D
 Acq: 12 Sep 2025 14:42

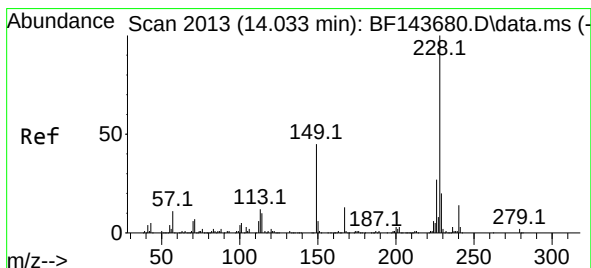
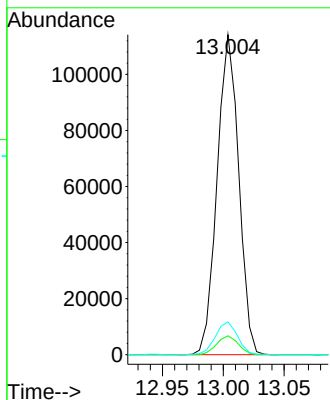
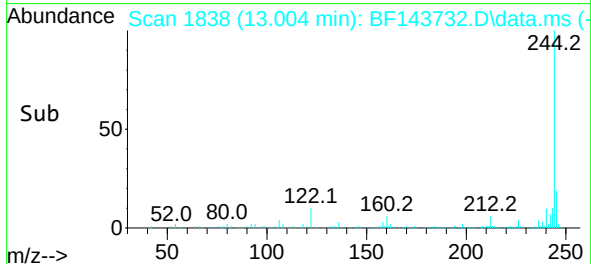
Instrument :
 BNA_F
 ClientSampleId :
 WC-30



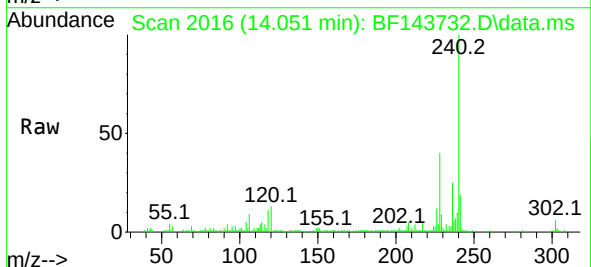
Tgt Ion:244 Resp: 14100
 Ion Ratio Lower Upper
 244 100
 212 5.9 5.0 7.6
 122 10.3 7.9 11.9

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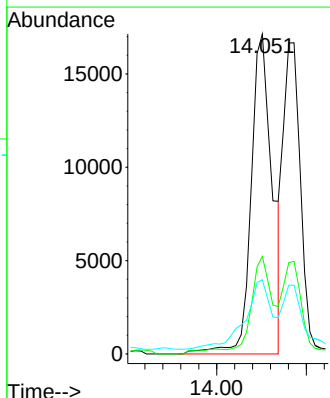
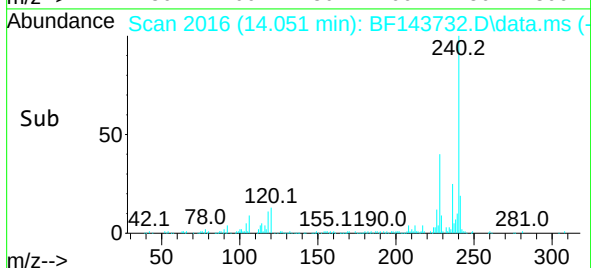
Reviewed By :Rahul Chavli 09/15/2025
 Supervised By :Jagrut Upadhyay 09/15/2025

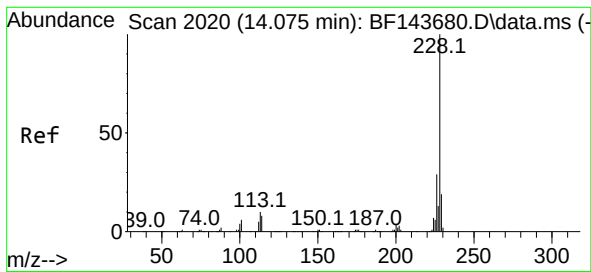


#81
 Benzo(a)anthracene
 Concen: 5.004 ng
 RT: 14.051 min Scan# 2016
 Delta R.T. 0.018 min
 Lab File: BF143732.D
 Acq: 12 Sep 2025 14:42



Tgt Ion:228 Resp: 27988
 Ion Ratio Lower Upper
 228 100
 226 30.5 21.6 32.4
 229 23.2 15.7 23.5





#83

Chrysene

Concen: 4.274 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

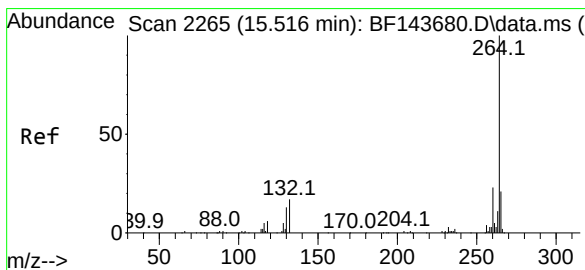
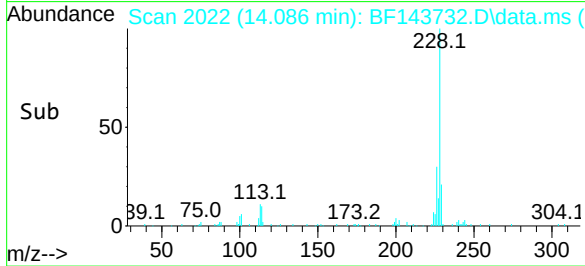
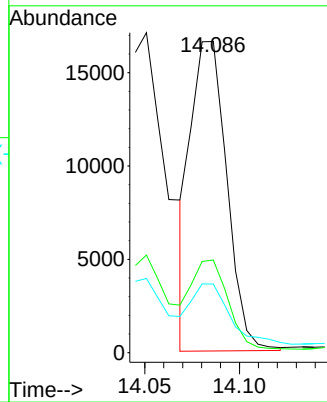
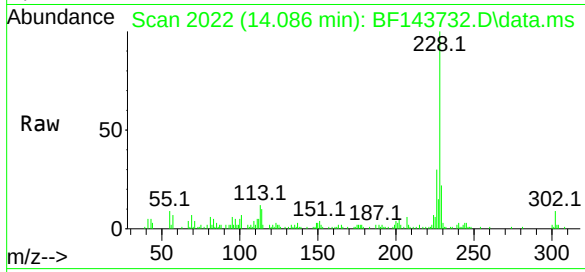
Tgt Ion:228	Resp: 2189
Ion Ratio	Lower Upper
228 100	
226 29.8	22.7 34.1
229 22.1	15.1 22.7

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#86

Perylene-d12

Concen: 20.000 ng

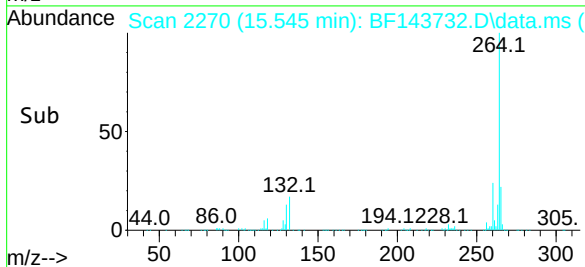
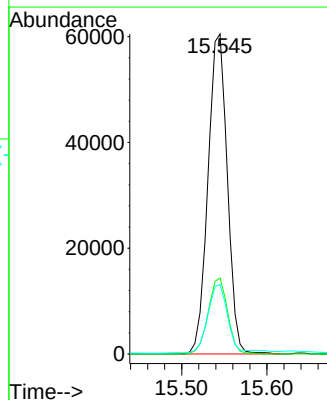
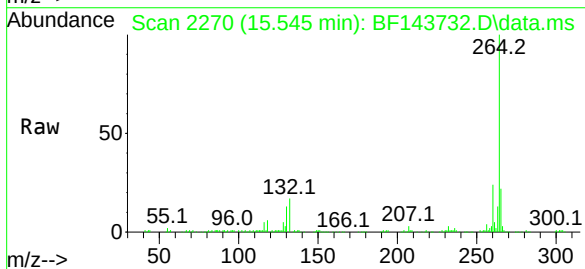
RT: 15.545 min Scan# 2270

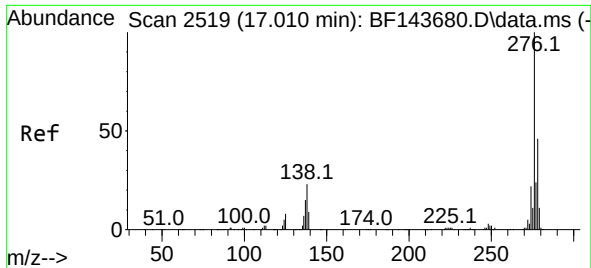
Delta R.T. 0.029 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

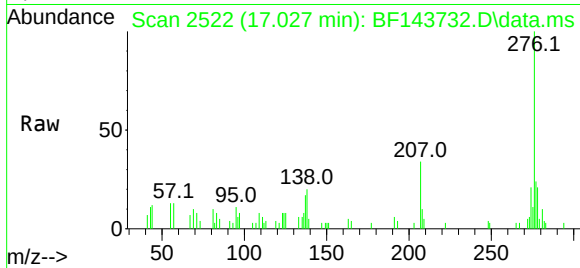
Tgt Ion:264	Resp: 95386
Ion Ratio	Lower Upper
264 100	
260 23.7	18.4 27.6
265 21.7	17.1 25.7





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.013 ng
RT: 17.027 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42

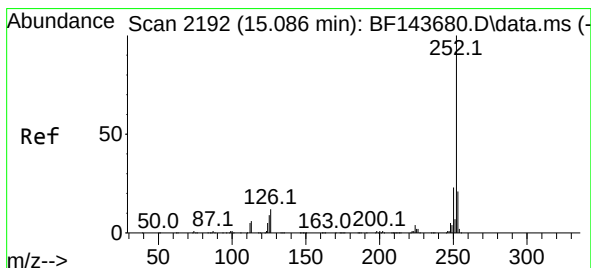
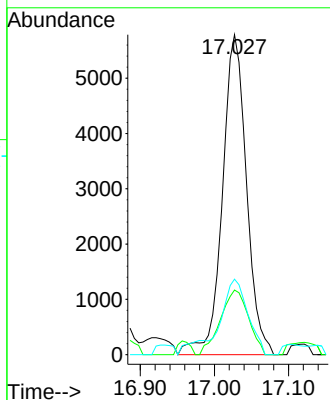
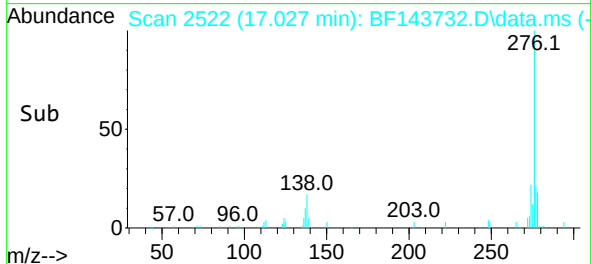
Instrument :
BNA_F
ClientSampleId :
WC-30



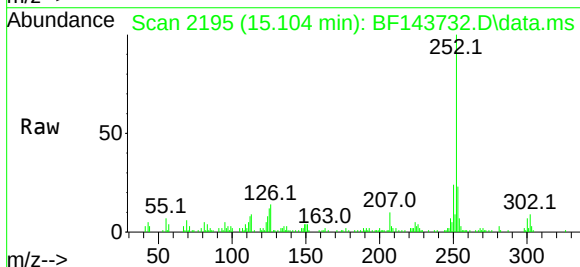
Tgt Ion: 276 Resp: 1310
Ion Ratio Lower Upper
276 100
138 23.4 19.7 29.5
277 28.8 20.2 30.2

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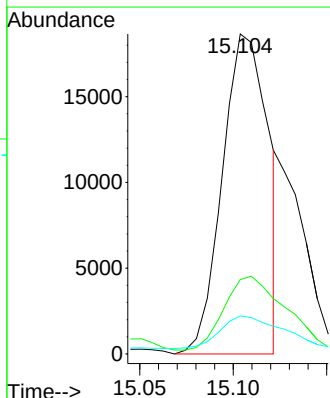
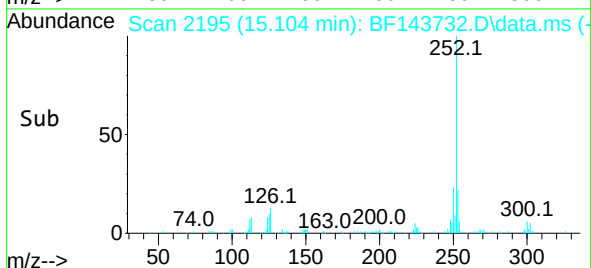
Reviewed By :Rahul Chavli 09/15/2025
Supervised By :Jagrut Upadhyay 09/15/2025

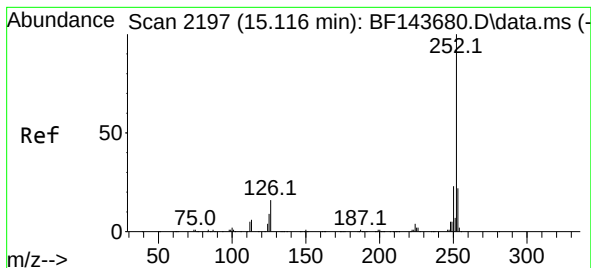


#88
Benzo(b)fluoranthene
Concen: 5.632 ng m
RT: 15.104 min Scan# 2195
Delta R.T. 0.018 min
Lab File: BF143732.D
Acq: 12 Sep 2025 14:42



Tgt Ion: 252 Resp: 31982
Ion Ratio Lower Upper
252 100
253 23.3 17.0 25.4
125 11.9 7.4 11.0#





#89

Benzo(k)fluoranthene

Concen: 2.189 ng m

RT: 15.121 min Scan# 2197

Delta R.T. 0.006 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

Instrument :

BNA_F

ClientSampleId :

WC-30

Tgt Ion:252 Resp: 1121

Ion Ratio Lower Upper

252 100

253 27.2 17.3 25.9

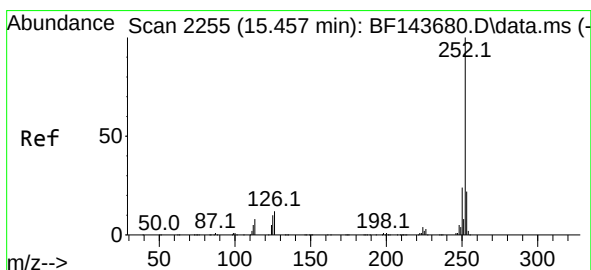
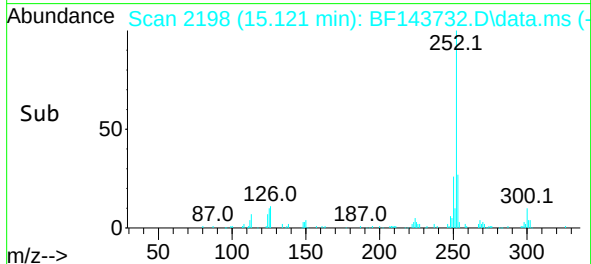
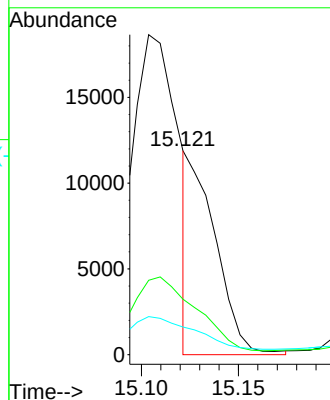
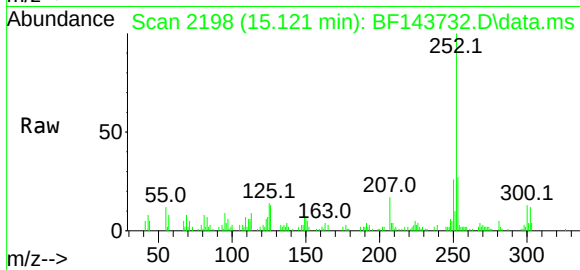
125 13.6 7.3 10.9

Manual Integrations

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Reviewed By :Rahul Chavli 09/15/2025

Supervised By :Jagrut Upadhyay 09/15/2025



#90

Benzo(a)pyrene

Concen: 4.180 ng

RT: 15.474 min Scan# 2258

Delta R.T. 0.018 min

Lab File: BF143732.D

Acq: 12 Sep 2025 14:42

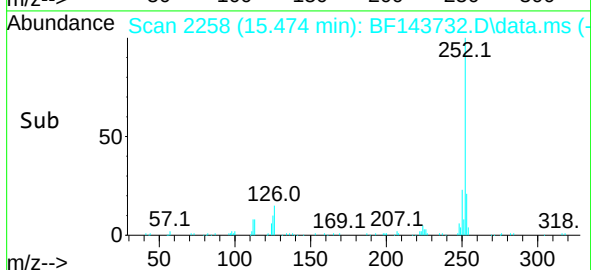
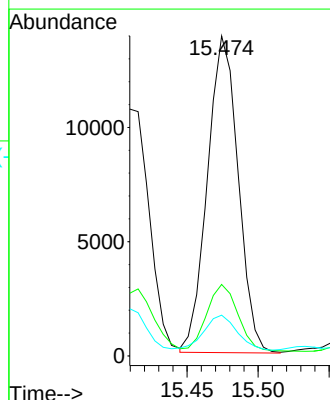
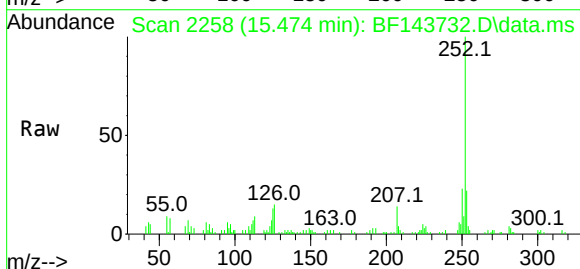
Tgt Ion:252 Resp: 20851

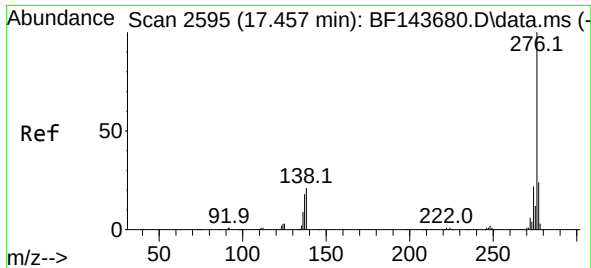
Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

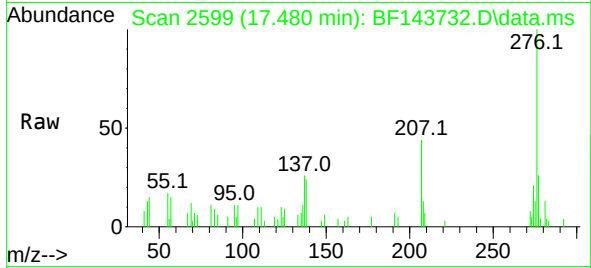
125 12.7 8.2 12.4





#92
 Benzo(g,h,i)perylene
 Concen: 2.054 ng
 RT: 17.480 min Scan# 21
 Delta R.T. 0.023 min
 Lab File: BF143732.D
 Acq: 12 Sep 2025 14:42

Instrument :
 BNA_F
 ClientSampleId :
 WC-30



Tgt Ion:276	Resp:	10378
Ion Ratio	Lower	Upper
276	100	
277	25.8	19.2 28.8
138	23.6	17.0 25.4

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

