

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100925\
 Data File : BF143917.D
 Acq On : 09 Oct 2025 19:13
 Operator : RC/JU
 Sample : Q3315-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11989

Manual Integrations
 APPROVED

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

Quant Time: Oct 10 01:59:04 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	88021	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	316862	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	157998	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	268006	20.000	ng	0.00
76) Chrysene-d12	14.057	240	263919	20.000	ng	-0.01
86) Perylene-d12	15.539	264	285971	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	395932	71.430	ng	0.00
7) Phenol-d6	6.498	99	433722	65.647	ng	-0.02
23) Nitrobenzene-d5	7.439	82	251998	48.318	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	100080	63.596	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	505702	50.787	ng	-0.01
79) Terphenyl-d14	12.998	244	588665	38.121	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.433	178	183423	14.117	ng	100
72) Anthracene	11.486	178	26517	2.020	ng	99
75) Fluoranthene	12.627	202	379632	28.287	ng	99
78) Pyrene	12.857	202	366873	16.674	ng	99
80) Butylbenzylphthalate	13.474	149	26734	3.741	ng	95
81) Benzo(a)anthracene	14.045	228	180597	10.457	ng	98
83) Chrysene	14.080	228	187451	11.727	ng	98
87) Indeno(1,2,3-cd)pyrene	17.027	276	67630	3.860	ng	99
88) Benzo(b)fluoranthene	15.104	252	222288m	13.532	ng	
89) Benzo(k)fluoranthene	15.121	252	70861m	4.662	ng	
90) Benzo(a)pyrene	15.474	252	139884	9.821	ng	# 98
92) Benzo(g,h,i)perylene	17.474	276	64439	4.572	ng	# 94

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

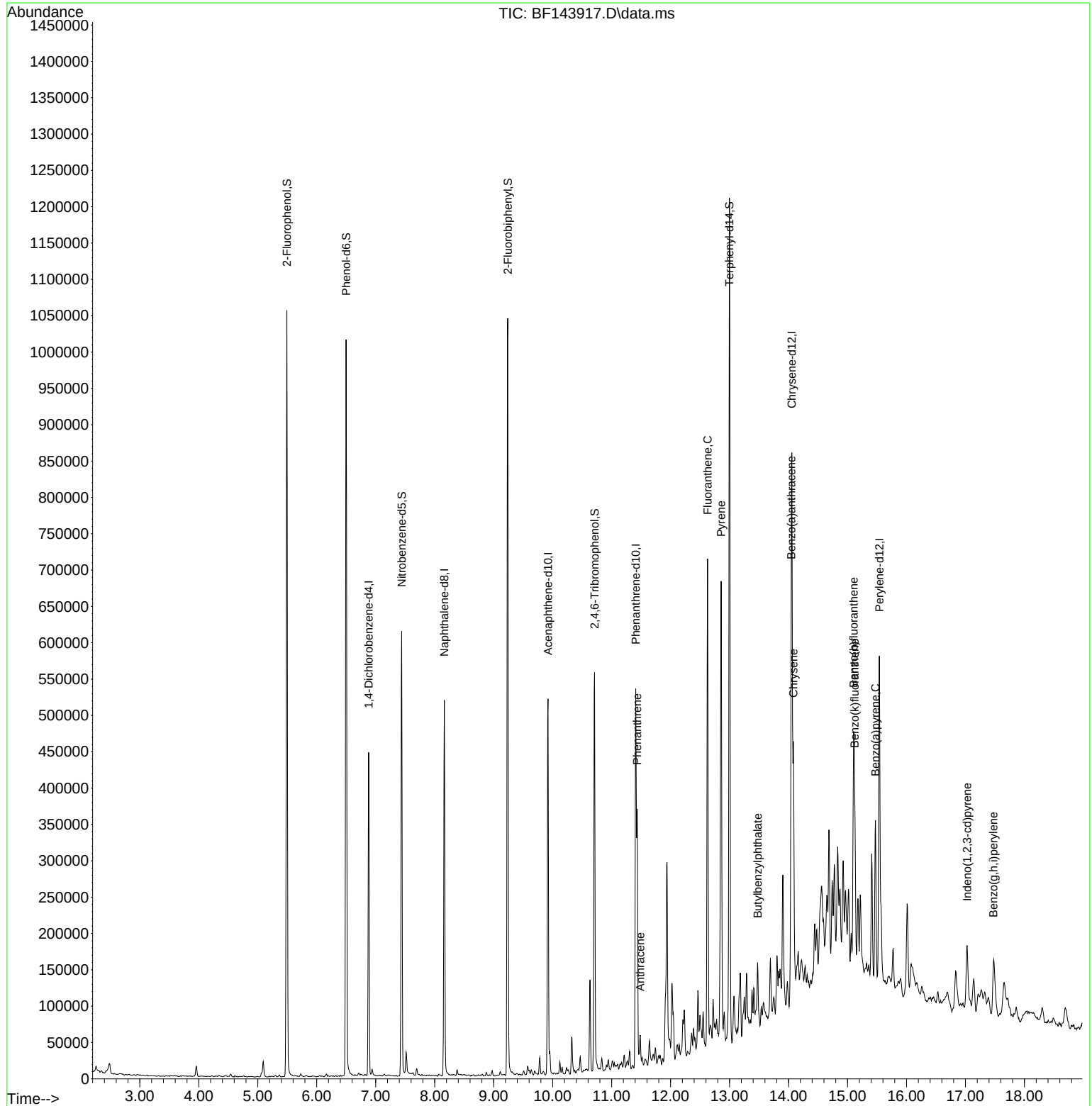
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF100925\
Data File : BF143917.D
Acq On : 09 Oct 2025 19:13
Operator : RC/JU
Sample : Q3315-03
Misc :
ALS Vial : 11 Sample Multiplier: 1

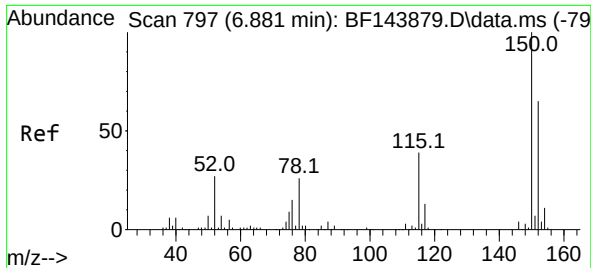
Instrument :
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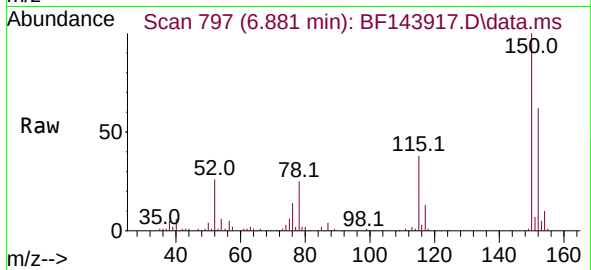
Quant Time: Oct 10 01:59:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 06 15:29:47 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 797
Delta R.T. -0.005 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

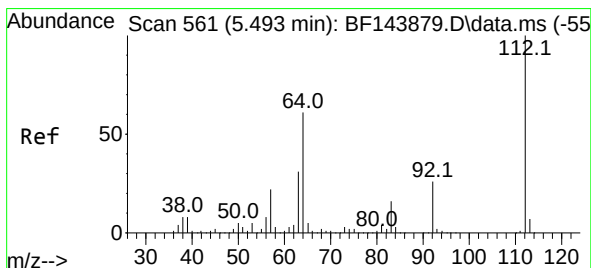
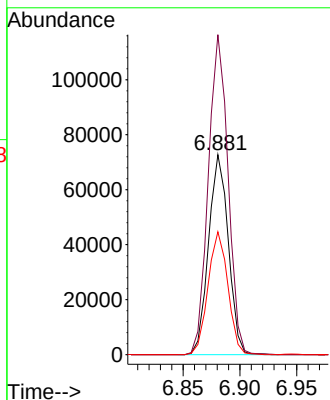
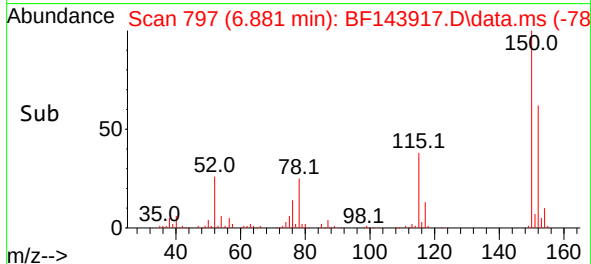
Instrument :
BNA_F
ClientSampleId :
72-11989



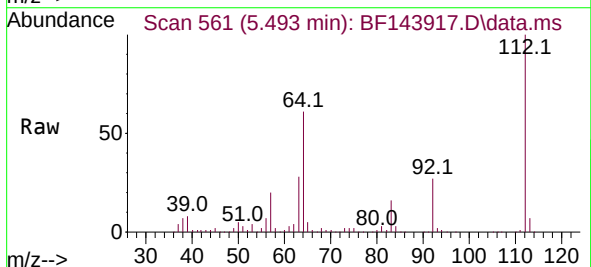
Tgt Ion:152 Resp: 88021
Ion Ratio Lower Upper
152 100
150 160.1 124.4 186.6
115 61.4 48.1 72.1

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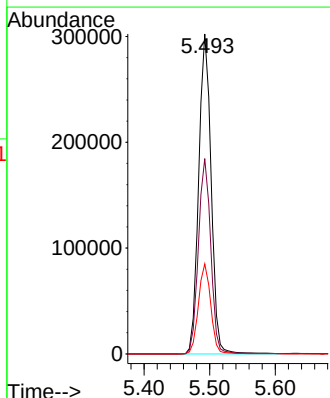
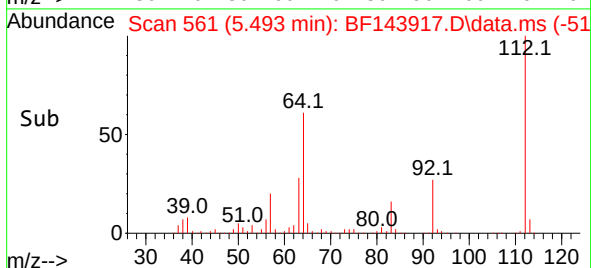
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025

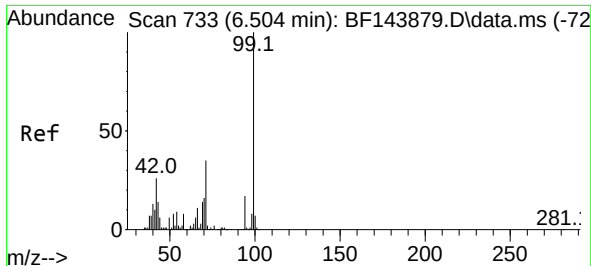


#5
2-Fluorophenol
Concen: 71.430 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.006 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13



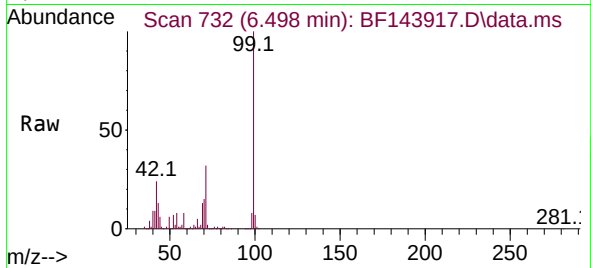
Tgt Ion:112 Resp: 395932
Ion Ratio Lower Upper
112 100
64 61.0 49.1 73.7
63 28.1 24.5 36.7





#7
Phenol-d6
Concen: 65.647 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.018 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

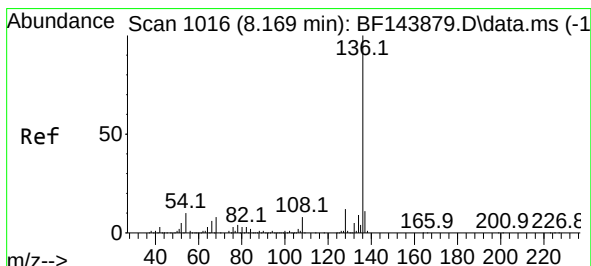
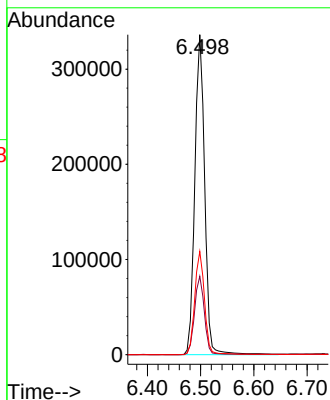
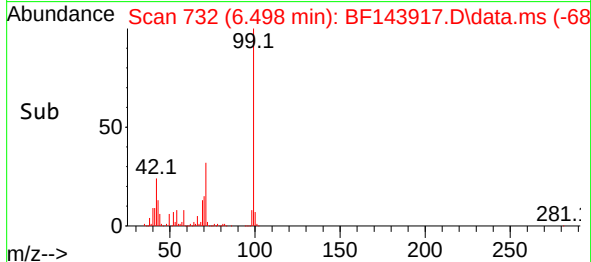
Instrument :
BNA_F
ClientSampleId :
72-11989



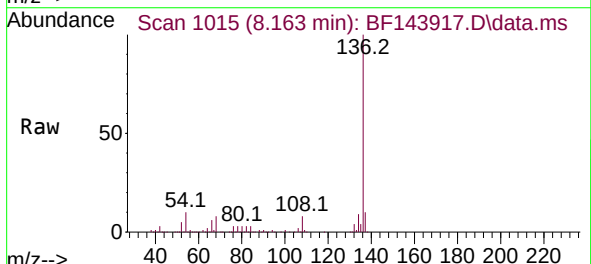
Tgt Ion: 99 Resp: 433722
Ion Ratio Lower Upper
99 100
42 24.5 21.0 31.4
71 32.2 27.8 41.8

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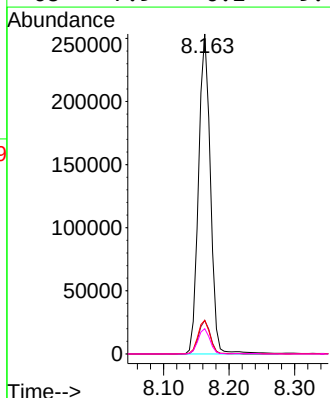
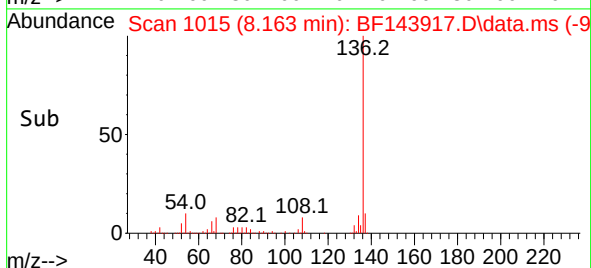
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025

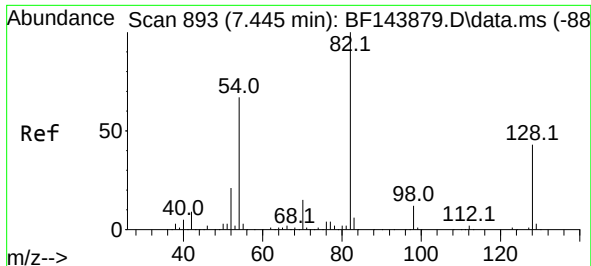


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. -0.006 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13



Tgt Ion:136 Resp: 316862
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 10.5 8.2 12.4
68 7.9 6.2 9.4





#23

Nitrobenzene-d5

Concen: 48.318 ng

RT: 7.439 min Scan# 89

Delta R.T. -0.018 min

Lab File: BF143917.D

Acq: 09 Oct 2025 19:13

Instrument :

BNA_F

ClientSampleId :

72-11989

Tgt Ion: 82 Resp: 251998

Ion Ratio Lower Upper

82 100

128 41.3 34.0 51.0

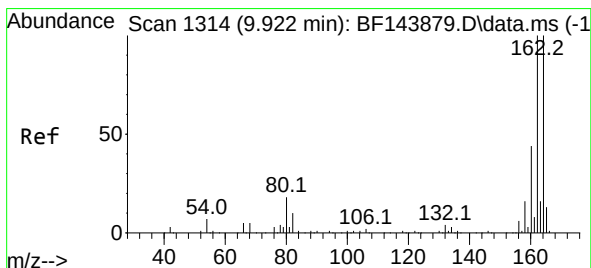
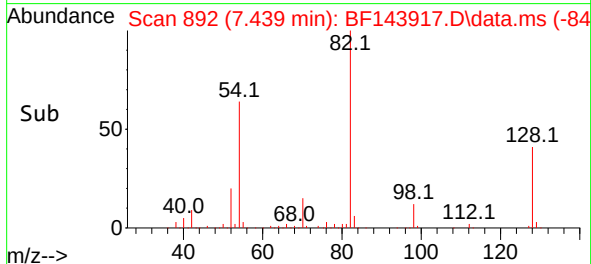
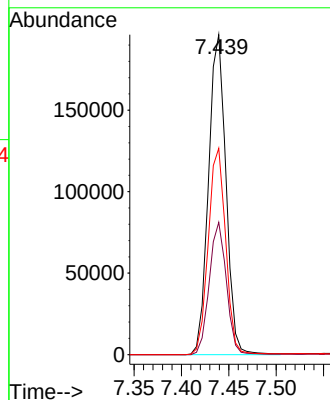
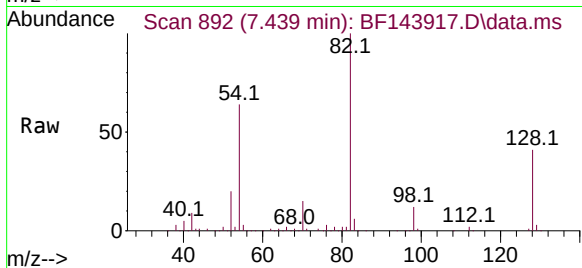
54 64.5 53.2 79.8

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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: BF143917.D

Acq: 09 Oct 2025 19:13

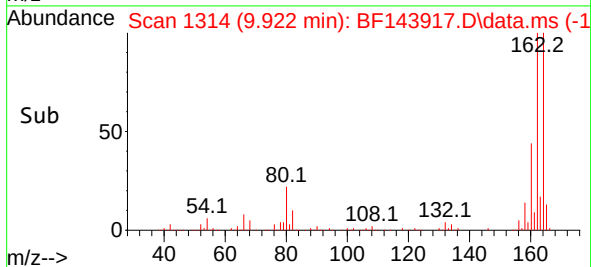
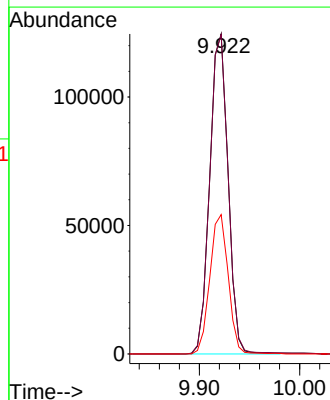
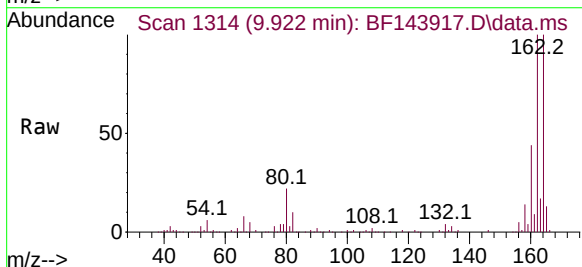
Tgt Ion:164 Resp: 157998

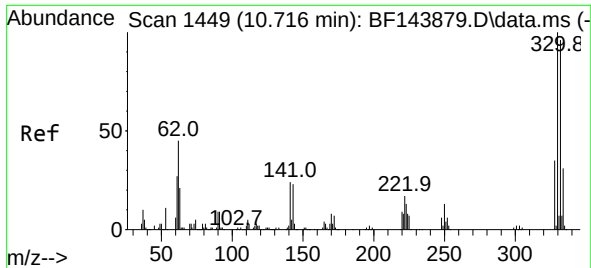
Ion Ratio Lower Upper

164 100

162 99.8 80.2 120.2

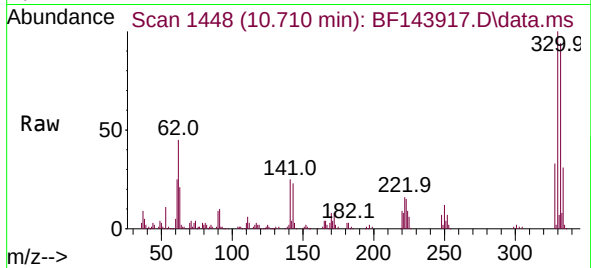
160 43.5 35.4 53.0





#42
2,4,6-Tribromophenol
Concen: 63.596 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

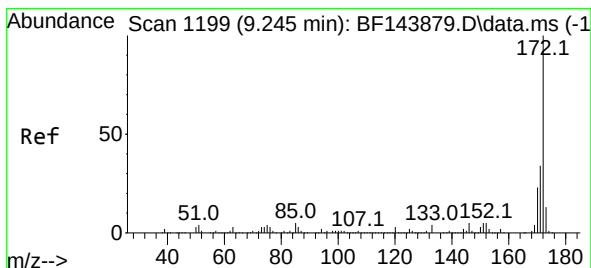
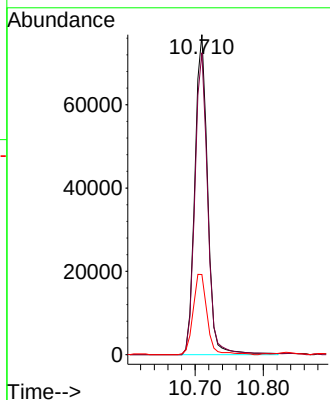
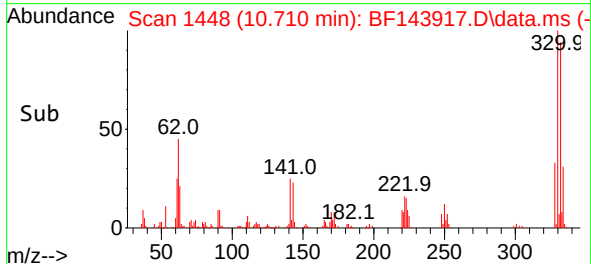
Instrument :
BNA_F
ClientSampleId :
72-11989



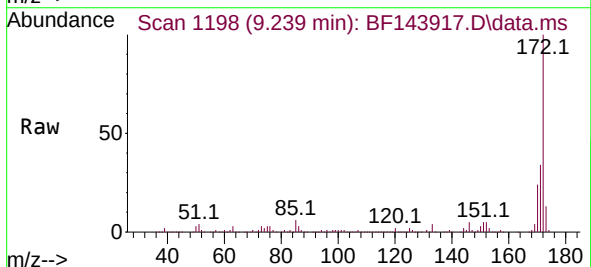
Tgt Ion:330 Resp: 100080
Ion Ratio Lower Upper
330 100
332 94.9 76.9 115.3
141 27.5 20.2 30.4

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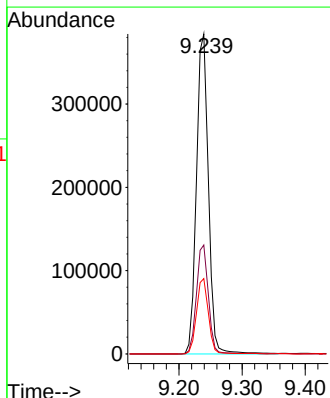
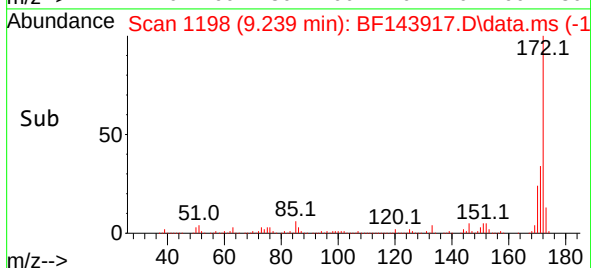
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025

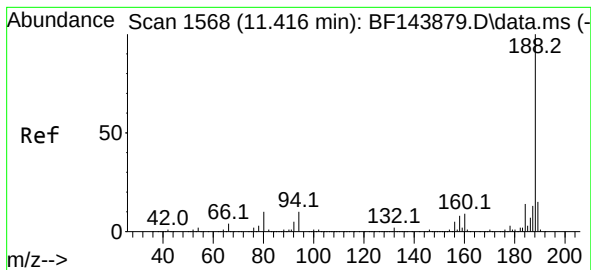


#45
2-Fluorobiphenyl
Concen: 50.787 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13



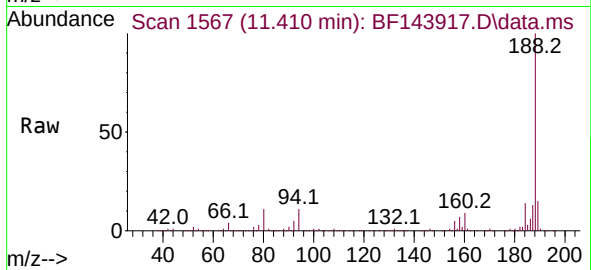
Tgt Ion:172 Resp: 505702
Ion Ratio Lower Upper
172 100
171 34.1 27.4 41.0
170 23.6 18.6 28.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

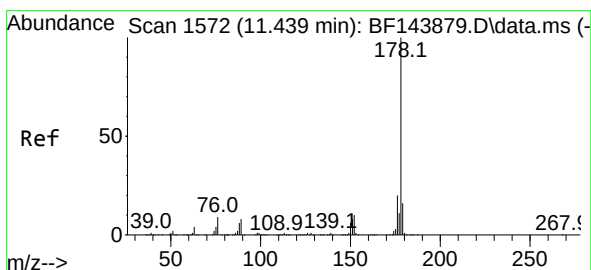
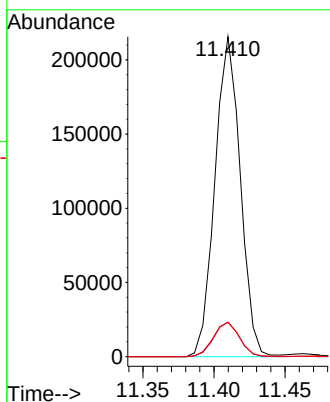
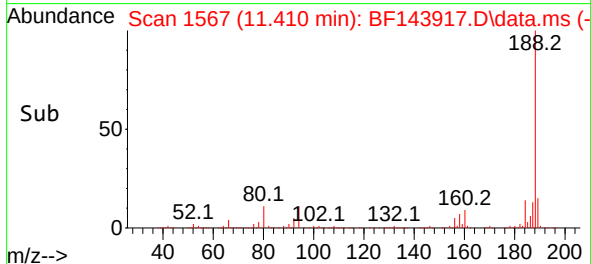
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ClientSampleId :
72-11989



Tgt Ion:188 Resp: 268000
Ion Ratio Lower Upper
188 100
94 10.8 7.8 11.6
80 10.7 7.9 11.9

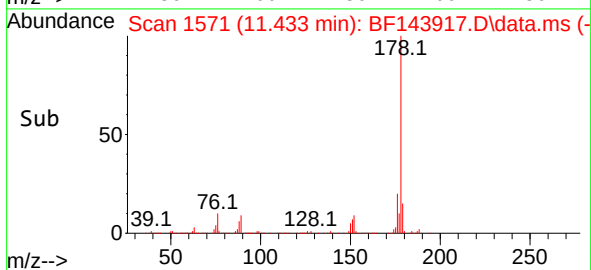
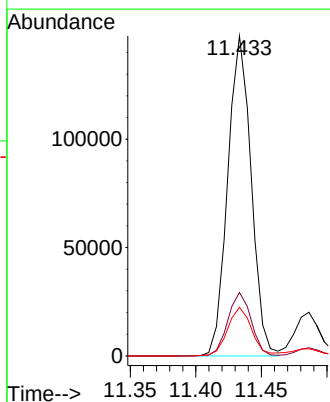
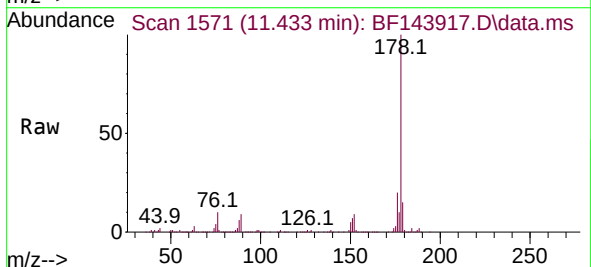
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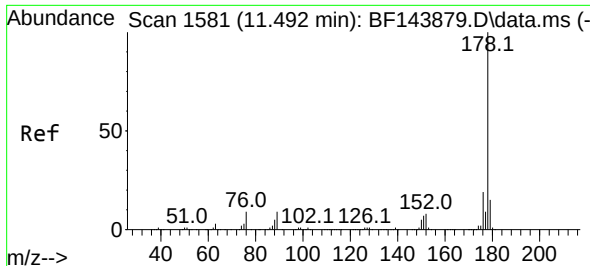
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#71
Phenanthrene
Concen: 14.117 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

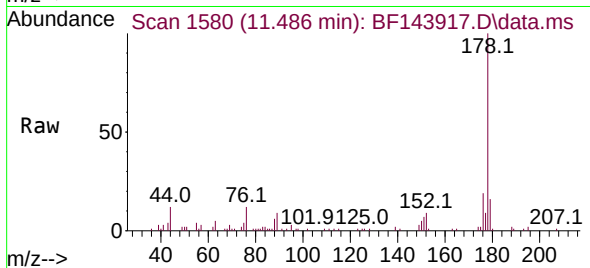
Tgt Ion:178 Resp: 183423
Ion Ratio Lower Upper
178 100
176 19.8 15.9 23.9
179 15.2 12.4 18.6





#72
 Anthracene
 Concen: 2.020 ng
 RT: 11.486 min Scan# 1581
 Delta R.T. -0.012 min
 Lab File: BF143917.D
 Acq: 09 Oct 2025 19:13

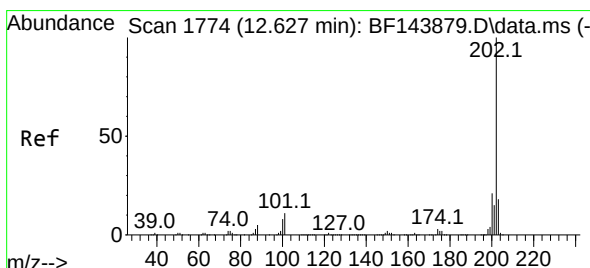
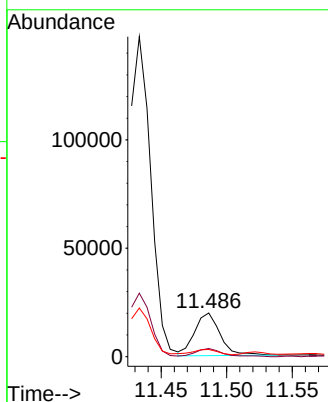
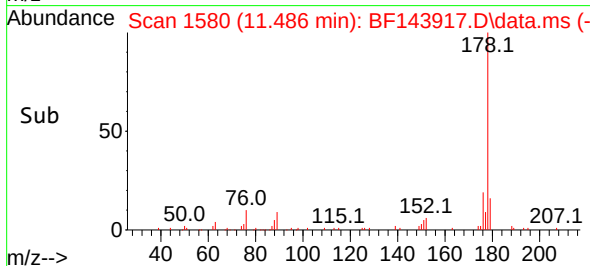
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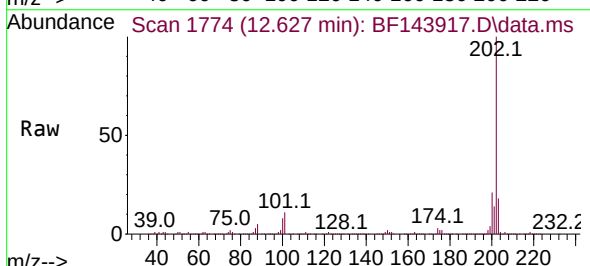
Tgt Ion:178 Resp: 26517
 Ion Ratio Lower Upper
 178 100
 176 18.6 14.9 22.3
 179 16.4 12.2 18.2

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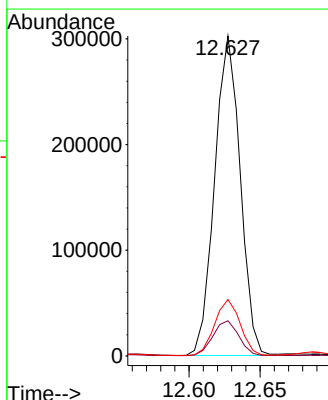
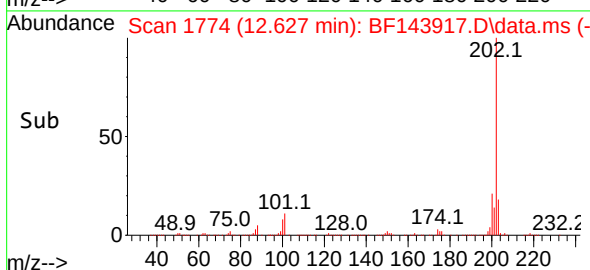
Reviewed By :Rahul Chavli 10/10/2025
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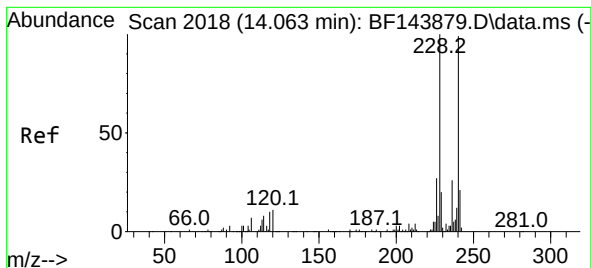


#75
 Fluoranthene
 Concen: 28.287 ng
 RT: 12.627 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: BF143917.D
 Acq: 09 Oct 2025 19:13



Tgt Ion:202 Resp: 379632
 Ion Ratio Lower Upper
 202 100
 101 11.0 0.0 30.7
 203 17.6 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2017

Delta R.T. -0.011 min

Lab File: BF143917.D

Acq: 09 Oct 2025 19:13

Instrument :

BNA_F

ClientSampleId :

72-11989

Tgt Ion:240 Resp: 263919

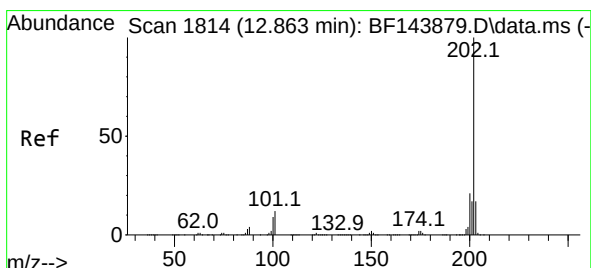
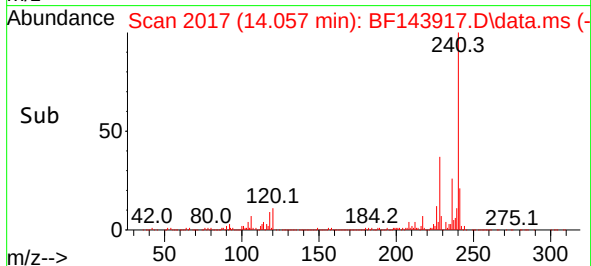
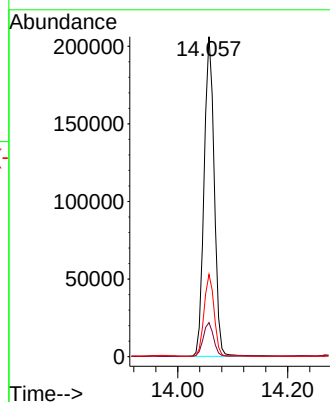
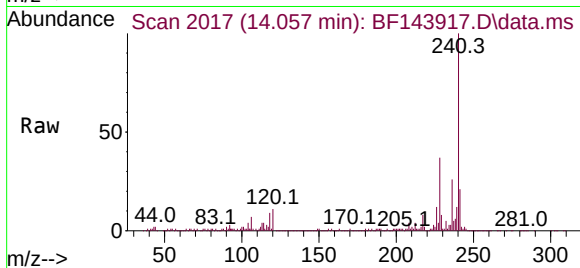
Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.6	13.0
236	25.7	21.1	31.7

Manual Integrations

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#78

Pyrene

Concen: 16.674 ng

RT: 12.857 min Scan# 1813

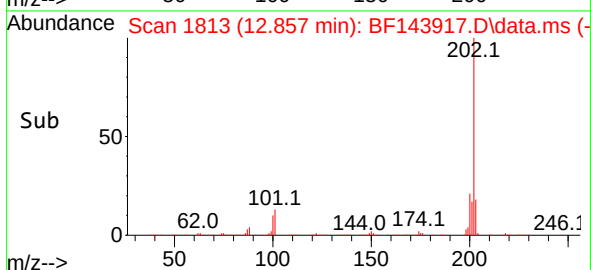
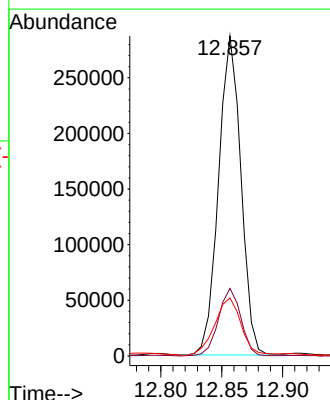
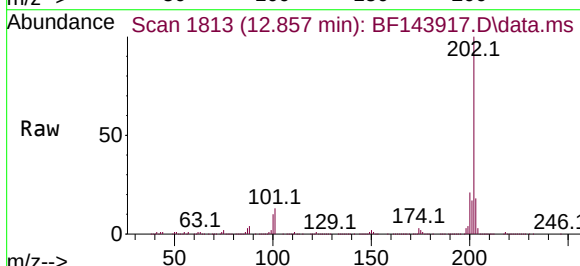
Delta R.T. -0.006 min

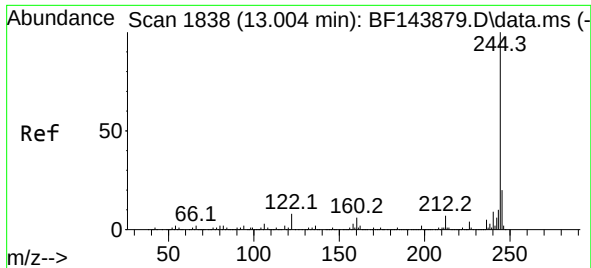
Lab File: BF143917.D

Acq: 09 Oct 2025 19:13

Tgt Ion:202 Resp: 366873

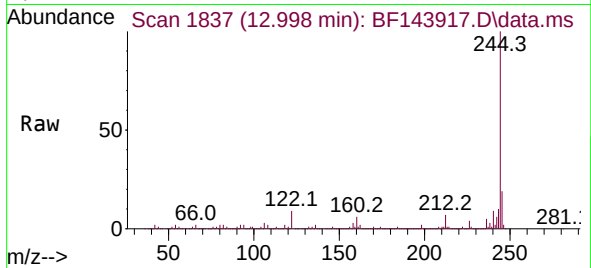
Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.6
203	18.1	13.8	20.6





#79
Terphenyl-d14
Concen: 38.121 ng
RT: 12.998 min Scan# 1837
Delta R.T. -0.012 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

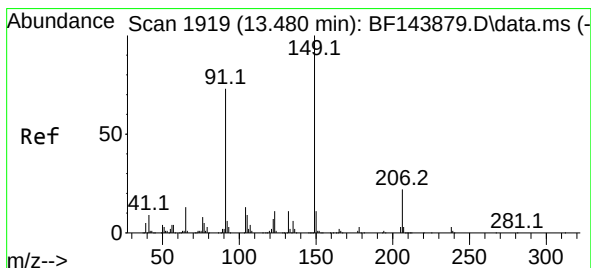
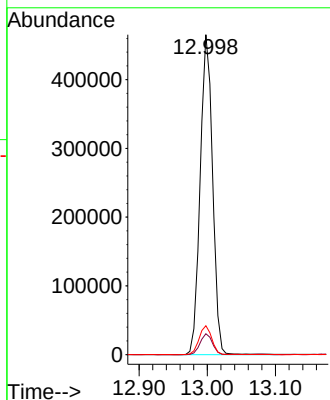
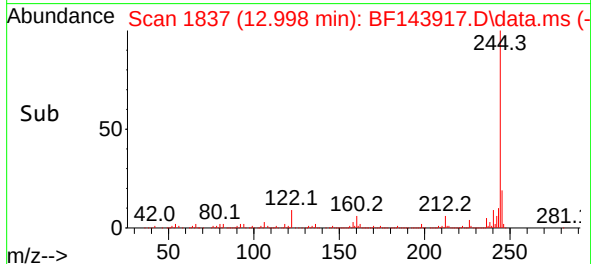
Instrument :
BNA_F
ClientSampleId :
72-11989



Tgt Ion:244 Resp: 58866
Ion Ratio Lower Upper
244 100
212 6.5 5.4 8.0
122 9.0 6.4 9.6

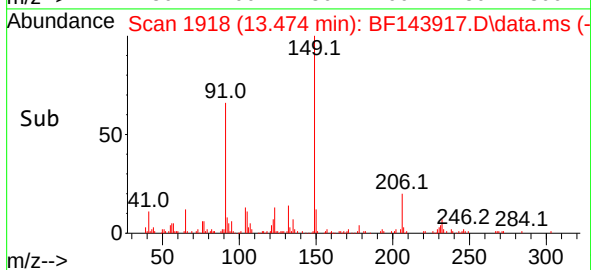
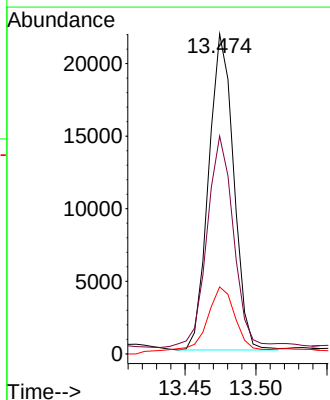
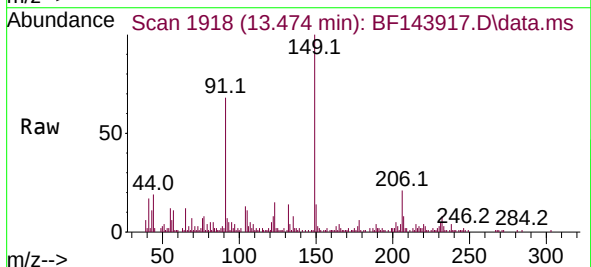
Manual Integrations
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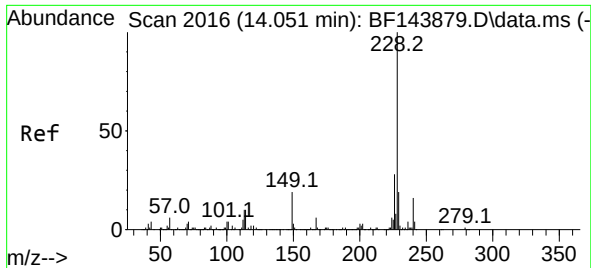
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#80
Butylbenzylphthalate
Concen: 3.741 ng
RT: 13.474 min Scan# 1918
Delta R.T. -0.006 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

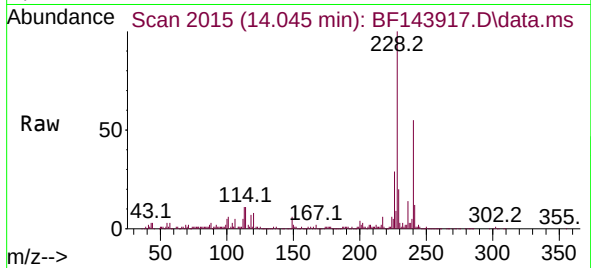
Tgt Ion:149 Resp: 26734
Ion Ratio Lower Upper
149 100
91 68.1 58.2 87.2
206 20.9 17.9 26.9





#81
Benzo(a)anthracene
Concen: 10.457 ng
RT: 14.045 min Scan# 20
Delta R.T. -0.012 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

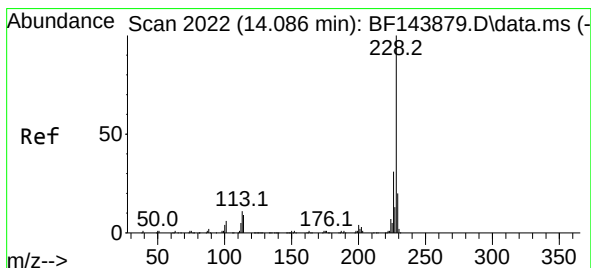
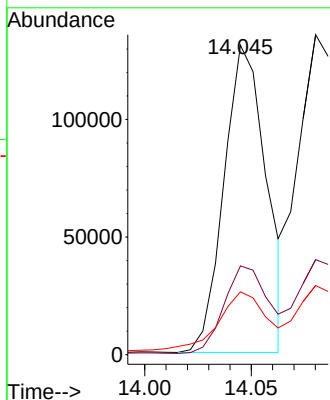
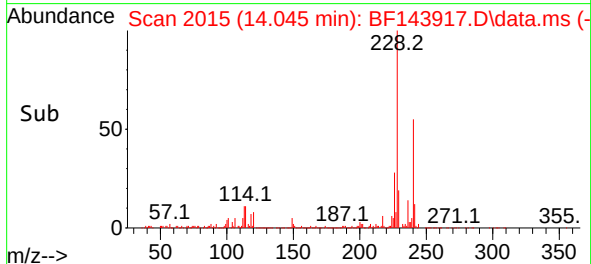
Instrument :
BNA_F
ClientSampleId :
72-11989



Tgt Ion:228 Resp: 180592
Ion Ratio Lower Upper
228 100
226 28.7 22.2 33.2
229 20.3 15.6 23.4

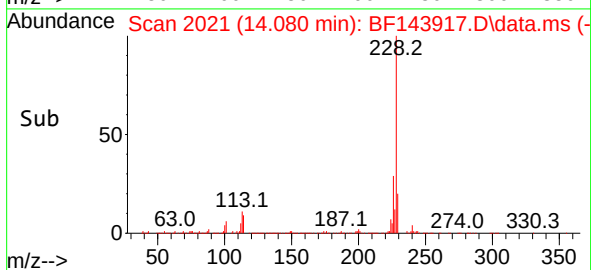
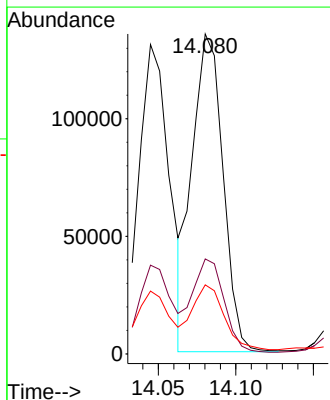
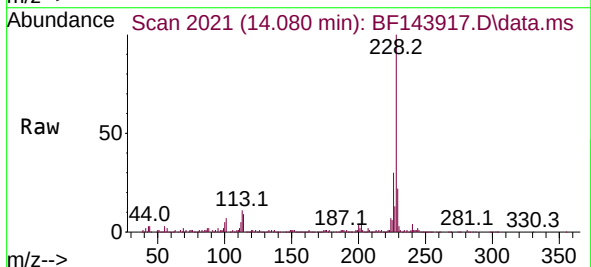
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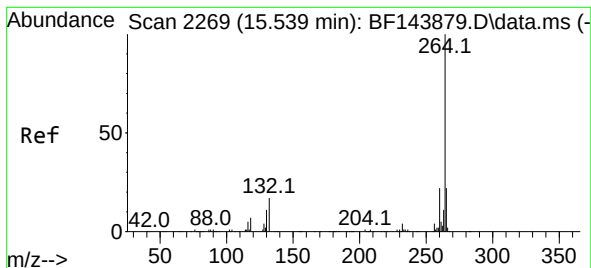
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#83
Chrysene
Concen: 11.727 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.012 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

Tgt Ion:228 Resp: 187451
Ion Ratio Lower Upper
228 100
226 29.7 24.4 36.6
229 21.6 15.9 23.9





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.539 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143917.D

Acq: 09 Oct 2025 19:13

Instrument :

BNA_F

ClientSampleId :

72-11989

Tgt Ion:264 Resp: 28597

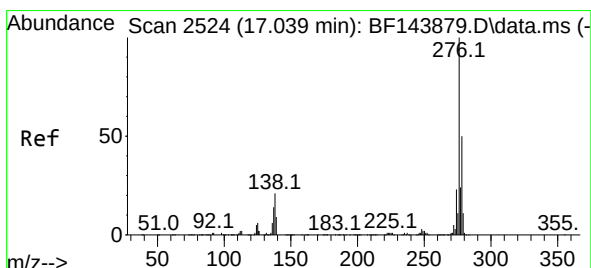
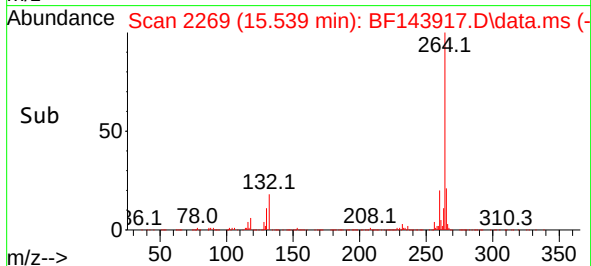
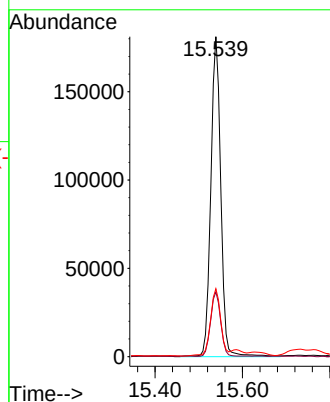
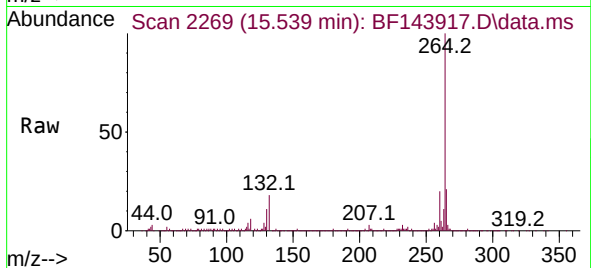
Ion	Ratio	Lower	Upper
264	100		
260	20.2	17.8	26.8
265	21.2	17.5	26.3

Manual Integrations

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Reviewed By :Rahul Chavli 10/10/2025

Supervised By :Jagrut Upadhyay 10/10/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.860 ng

RT: 17.027 min Scan# 2522

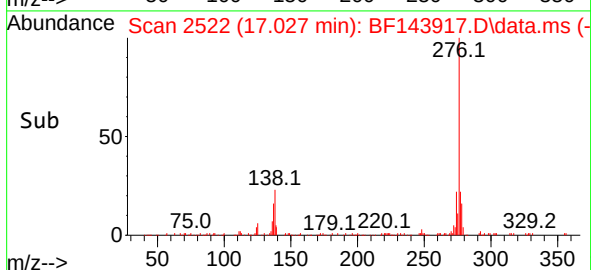
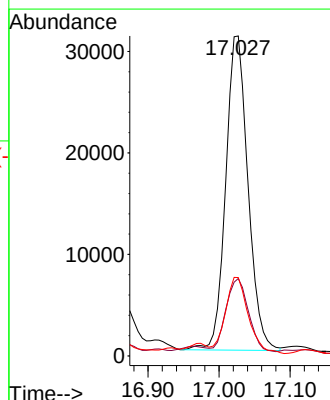
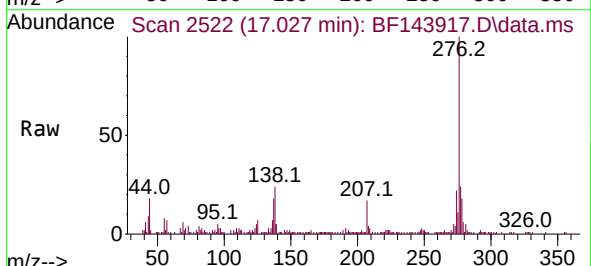
Delta R.T. -0.029 min

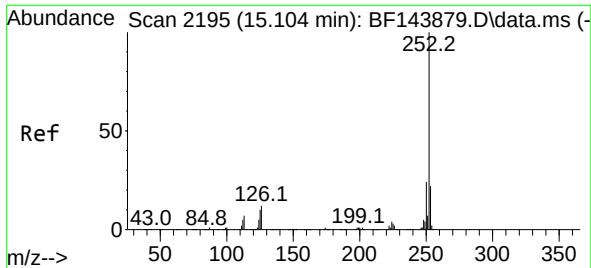
Lab File: BF143917.D

Acq: 09 Oct 2025 19:13

Tgt Ion:276 Resp: 67630

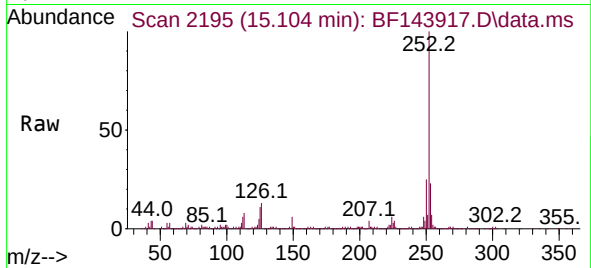
Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.2	27.2
277	24.9	19.8	29.6





#88
Benzo(b)fluoranthene
Concen: 13.532 ng m
RT: 15.104 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

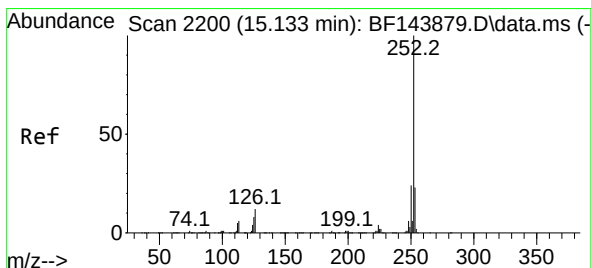
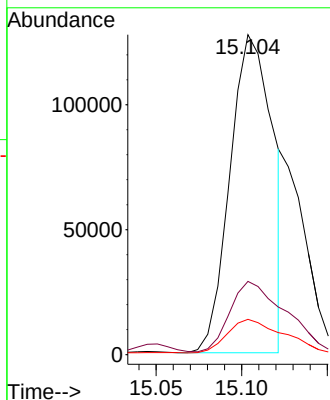
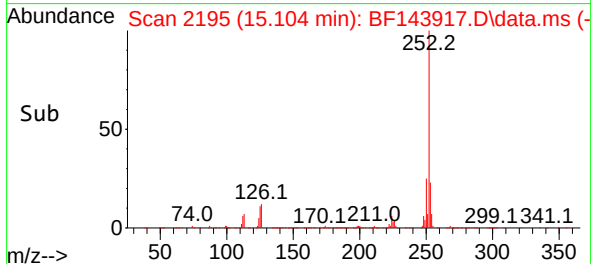
Instrument :
BNA_F
ClientSampleId :
72-11989



Tgt Ion:252 Resp: 222288
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.2
125 11.0 7.8 11.6

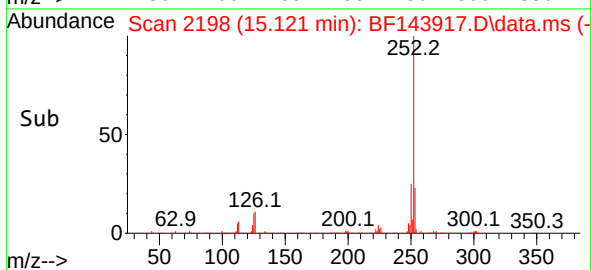
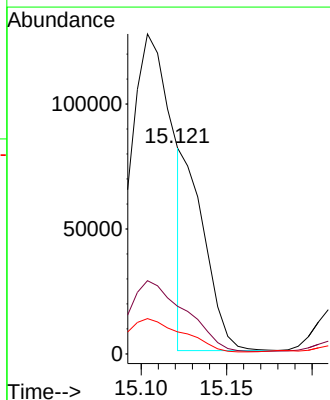
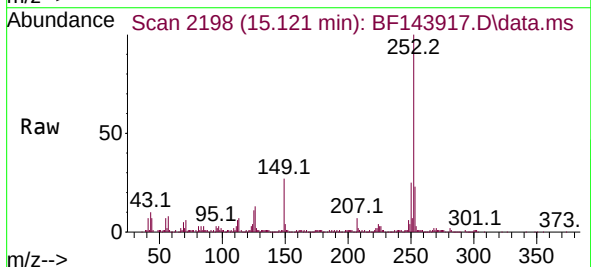
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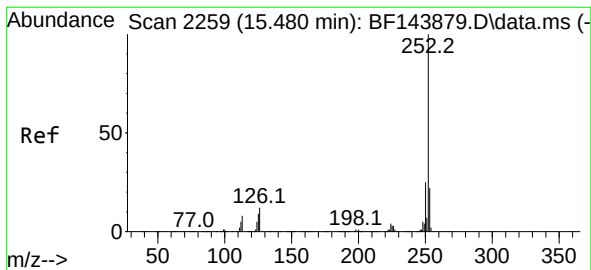
Reviewed By :Rahul Chavli 10/10/2025
Supervised By :Jagrut Upadhyay 10/10/2025



#89
Benzo(k)fluoranthene
Concen: 4.662 ng m
RT: 15.121 min Scan# 2198
Delta R.T. -0.023 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

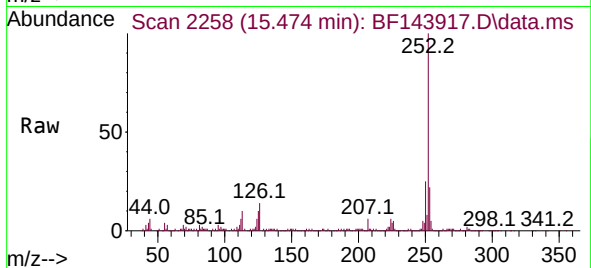
Tgt Ion:252 Resp: 70861
Ion Ratio Lower Upper
252 100
253 23.1 17.8 26.8
125 10.7 7.4 11.2





#90
Benzo(a)pyrene
Concen: 9.821 ng
RT: 15.474 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

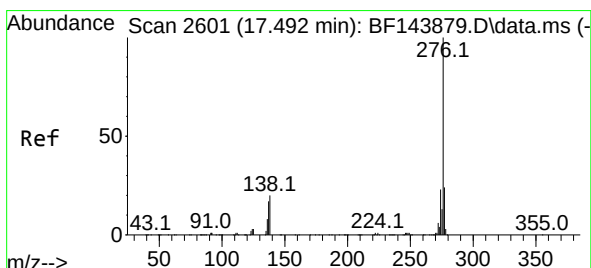
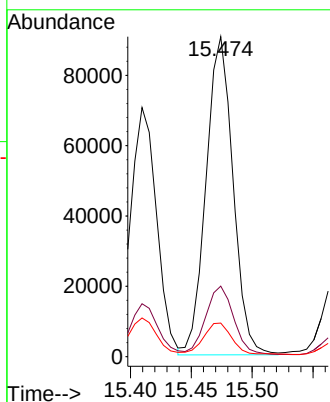
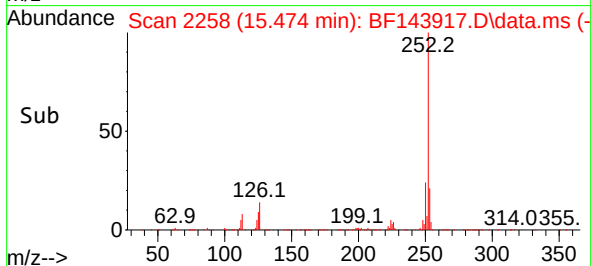
Instrument :
BNA_F
ClientSampleId :
72-11989



Tgt Ion:252 Resp: 139884
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 10.5 7.0 10.4

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



#92
Benzo(g,h,i)perylene
Concen: 4.572 ng
RT: 17.474 min Scan# 2598
Delta R.T. -0.041 min
Lab File: BF143917.D
Acq: 09 Oct 2025 19:13

Tgt Ion:276 Resp: 64439
Ion Ratio Lower Upper
276 100
277 23.6 19.0 28.6
138 26.2 16.1 24.1

