

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143336.D
 Acq On : 06 Aug 2025 18:11
 Operator : RC/JU
 Sample : Q2780-05 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/07/2025
 Supervised By :Jagrut Upadhyay 08/07/2025

Quant Time: Aug 06 18:28:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	57393	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	194274	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	93202	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	181010	20.000	ng	0.00
76) Chrysene-d12	14.133	240	171328	20.000	ng	0.01
86) Perylene-d12	15.639	264	118704	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	66021	18.204	ng	0.00
7) Phenol-d6	6.587	99	78341	17.161	ng	0.00
23) Nitrobenzene-d5	7.516	82	44449	11.405	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	18406	19.117	ng	0.00
45) 2-Fluorobiphenyl	9.310	172	80221	11.771	ng	-0.01
79) Terphenyl-d14	13.068	244	101478	8.814	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	10.027	154	12568	2.358	ng	97
58) Fluorene	10.545	166	19474	3.279	ng	99
71) Phenanthrene	11.510	178	227442	23.665	ng	99
72) Anthracene	11.563	178	55400	5.652	ng	100
73) Carbazole	11.716	167	18247	2.132	ng	98
75) Fluoranthene	12.704	202	335196	37.997	ng	100
78) Pyrene	12.933	202	317142	21.689	ng	99
81) Benzo(a)anthracene	14.121	228	163633	14.266	ng	98
83) Chrysene	14.157	228	136845	13.269	ng	97
84) Bis(2-ethylhexyl)phtha...	14.098	149	19170	2.829	ng	94
87) Indeno(1,2,3-cd)pyrene	17.180	276	36310	4.338	ng	95
88) Benzo(b)fluoranthene	15.192	252	130986m	18.063	ng	
89) Benzo(k)fluoranthene	15.209	252	46074m	7.120	ng	
90) Benzo(a)pyrene	15.574	252	77699	11.629	ng	96
92) Benzo(g,h,i)perylene	17.645	276	33886	5.142	ng	97

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

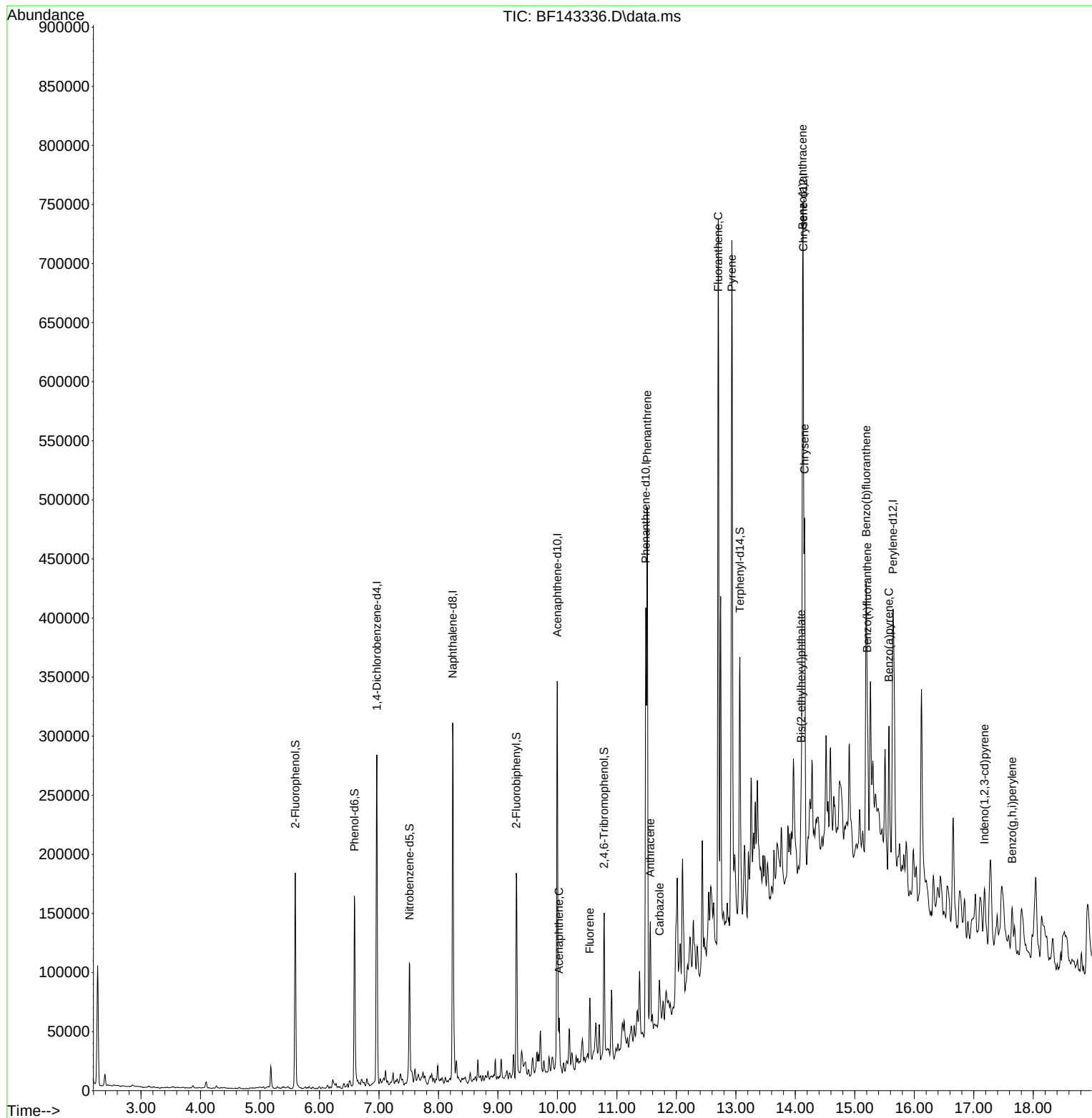
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
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ALS Vial : 17 Sample Multiplier: 1

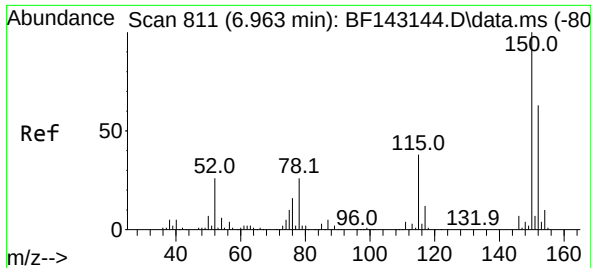
Instrument :
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Quant Time: Aug 06 18:28:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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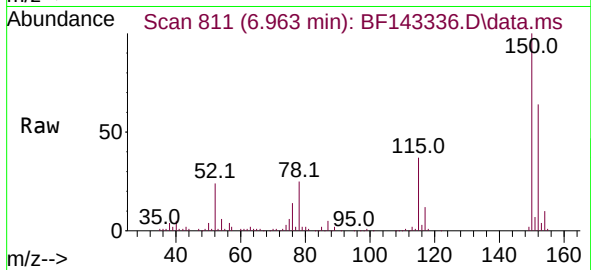
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

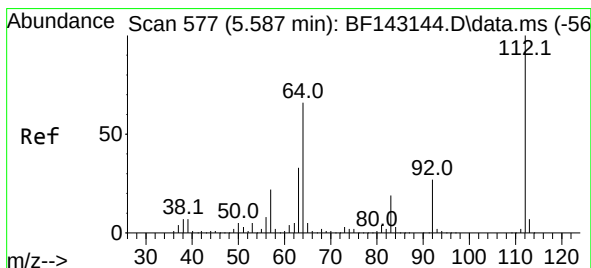
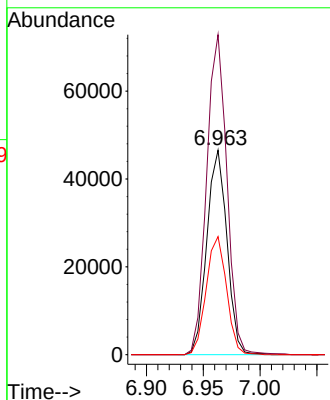
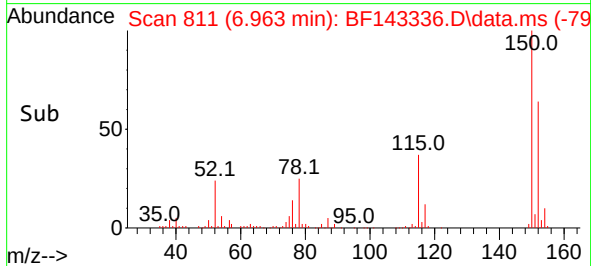
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:152 Resp: 5739
Ion Ratio Lower Upper
152 100
150 156.5 128.2 192.4
115 57.8 47.9 71.9

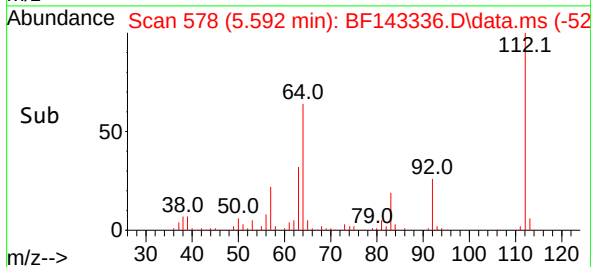
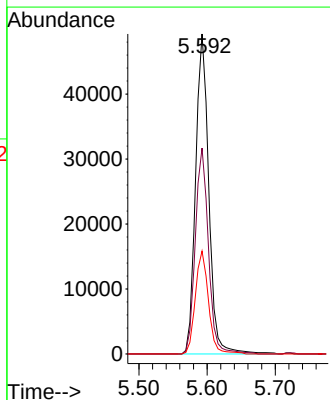
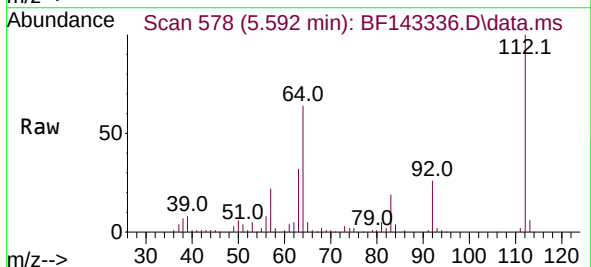
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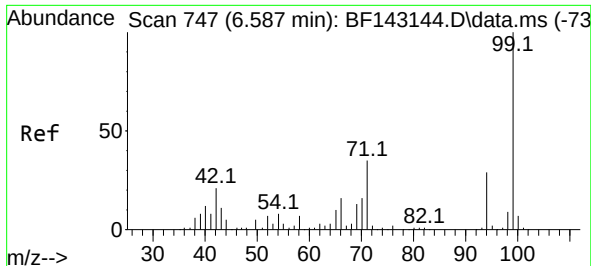
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#5
2-Fluorophenol
Concen: 18.204 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

Tgt Ion:112 Resp: 66021
Ion Ratio Lower Upper
112 100
64 64.3 53.1 79.7
63 32.2 26.6 40.0





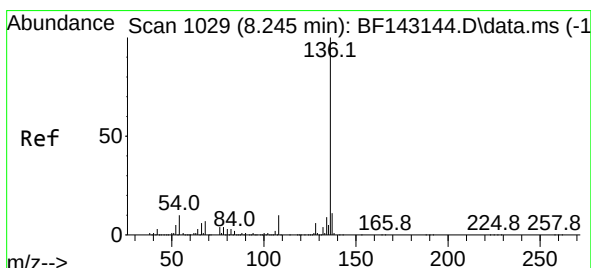
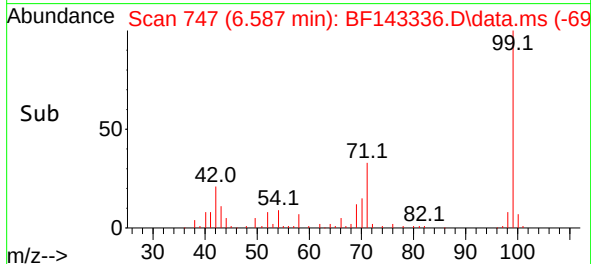
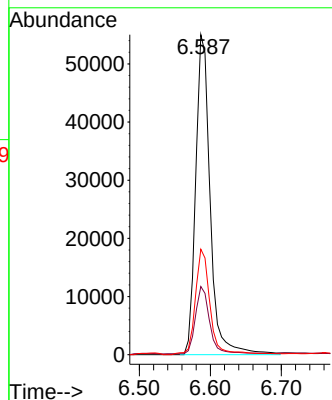
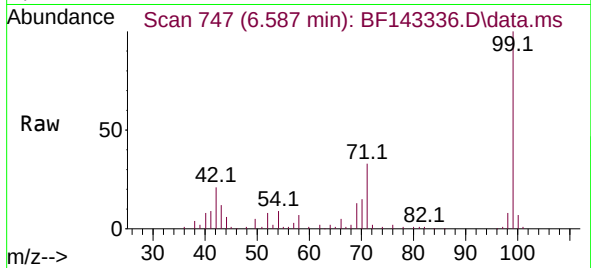
#7
Phenol-d6
Concen: 17.161 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion: 99 Resp: 7834
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 33.0 27.7 41.5

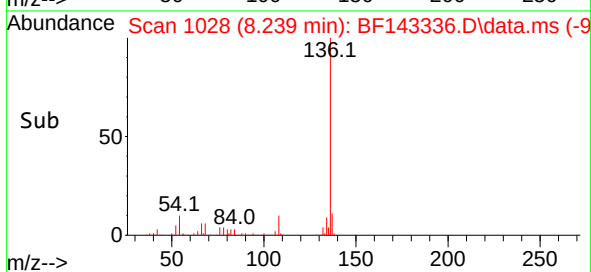
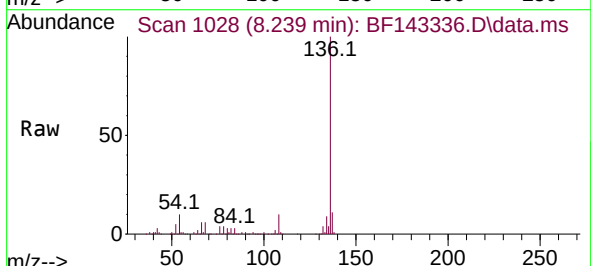
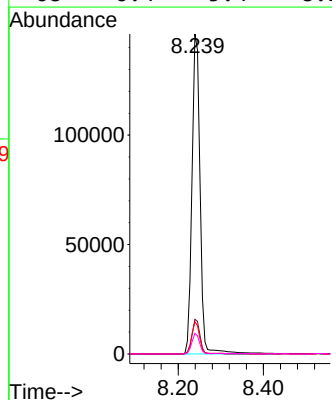
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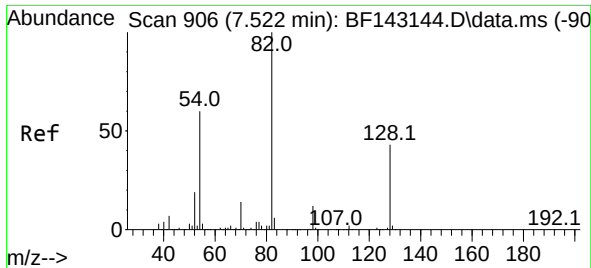
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

Tgt Ion:136 Resp: 194274
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.0 8.2 12.2
68 6.4 5.4 8.2





#23

Nitrobenzene-d5

Concen: 11.405 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143336.D

Acq: 06 Aug 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-1

Tgt Ion: 82 Resp: 44449

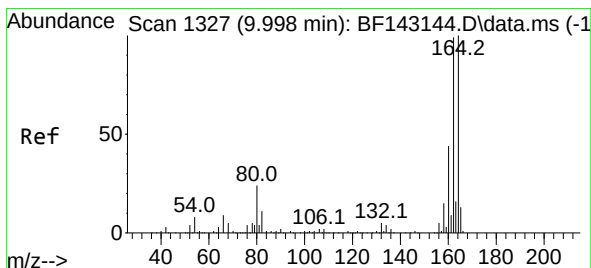
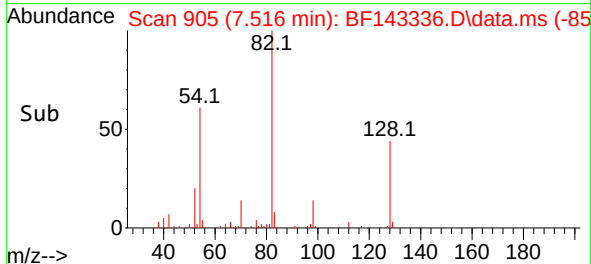
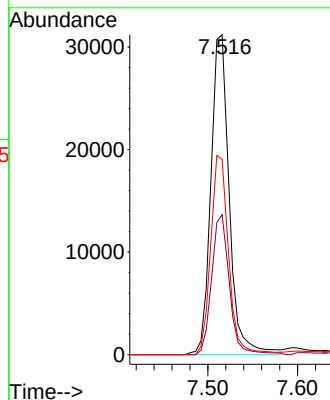
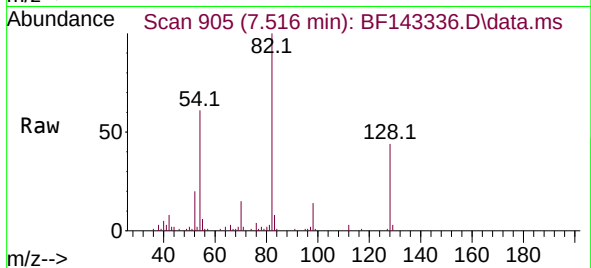
Ion	Ratio	Lower	Upper
82	100		
128	43.8	33.6	50.4
54	61.1	47.1	70.7

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1327

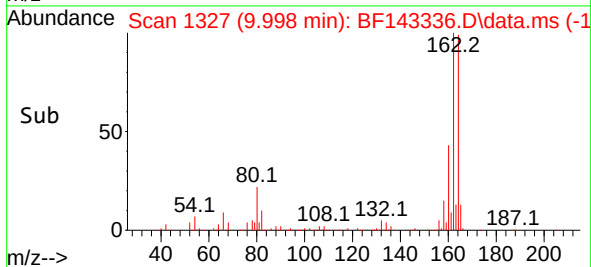
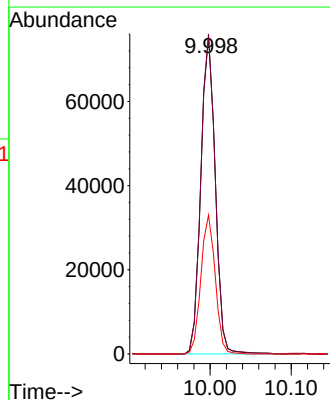
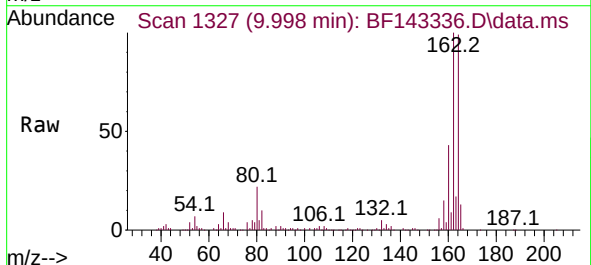
Delta R.T. 0.000 min

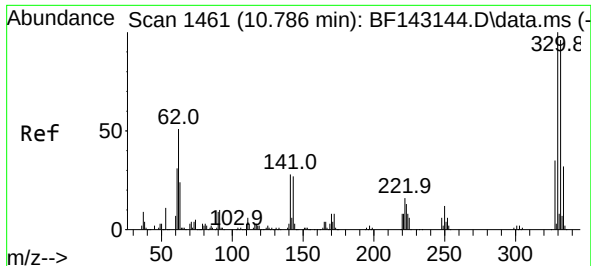
Lab File: BF143336.D

Acq: 06 Aug 2025 18:11

Tgt Ion:164 Resp: 93202

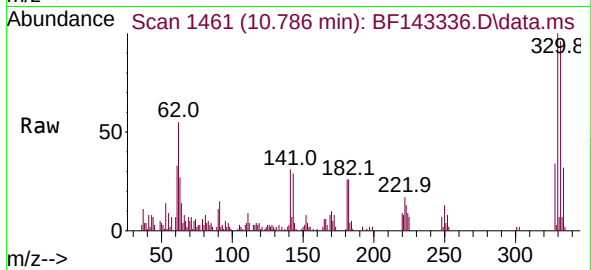
Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.0	118.6
160	43.7	35.1	52.7





#42
2,4,6-Tribromophenol
Concen: 19.117 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

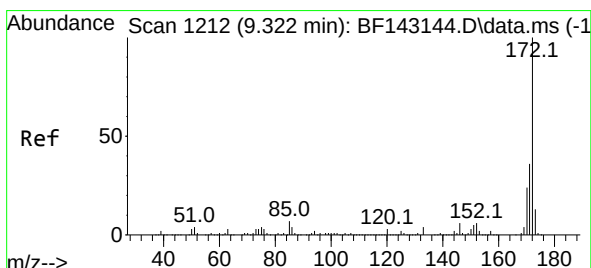
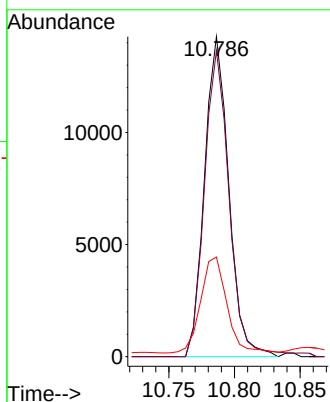
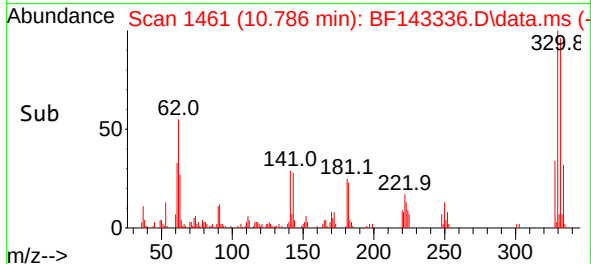
Instrument :
BNA_F
ClientSampleId :
TP-1



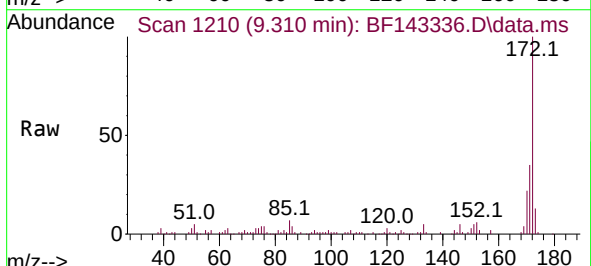
Tgt Ion: 330 Resp: 18400
Ion Ratio Lower Upper
330 100
332 97.5 76.7 115.1
141 32.4 23.3 34.9

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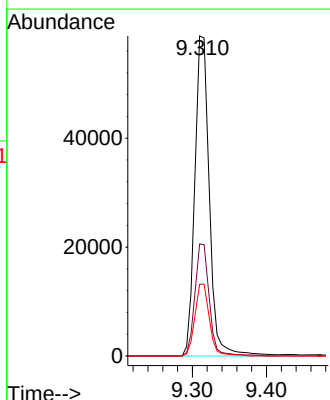
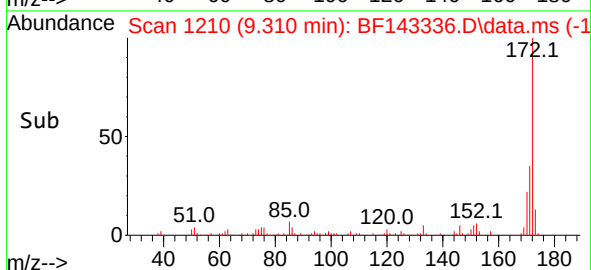
Reviewed By :Rahul Chavli 08/07/2025
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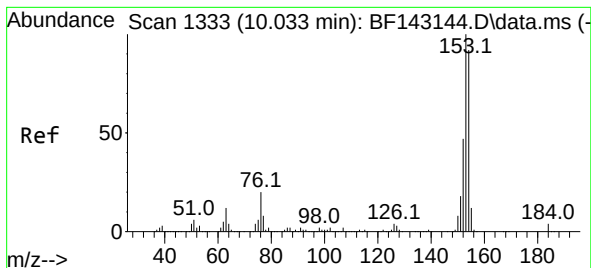


#45
2-Fluorobiphenyl
Concen: 11.771 ng
RT: 9.310 min Scan# 1210
Delta R.T. -0.012 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11



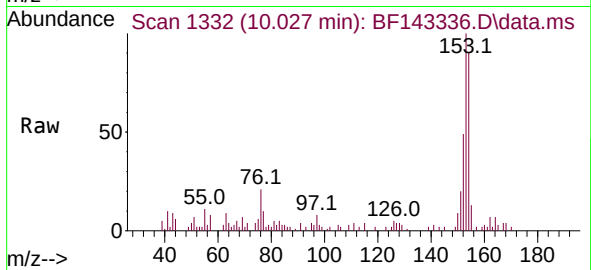
Tgt Ion: 172 Resp: 80221
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 22.4 18.8 28.2





#52
Acenaphthene
Concen: 2.358 ng
RT: 10.027 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

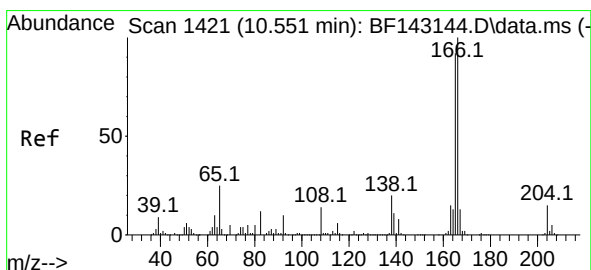
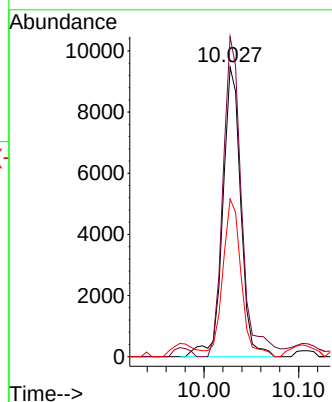
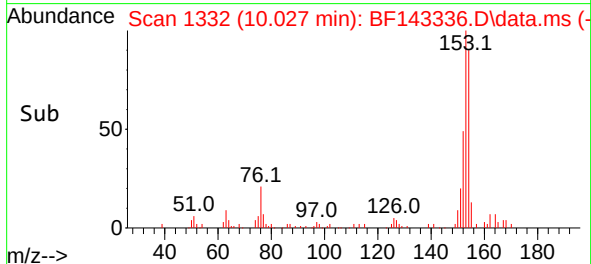
Instrument :
BNA_F
ClientSampleId :
TP-1



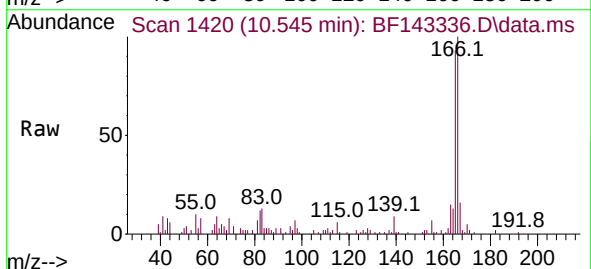
Tgt Ion:154 Resp: 1256
Ion Ratio Lower Upper
154 100
153 110.6 86.6 129.8
152 54.5 40.4 60.6

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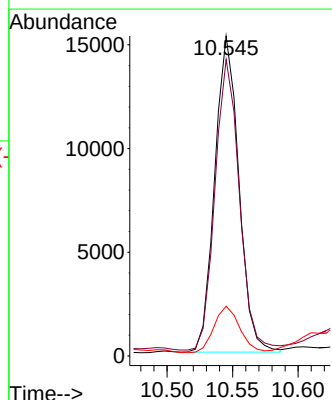
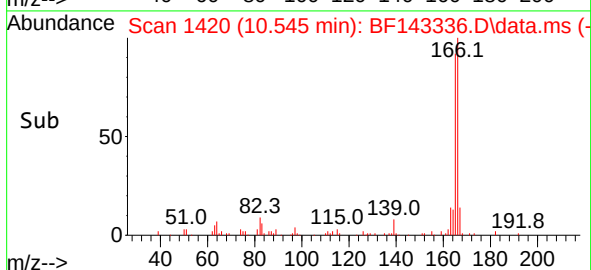
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

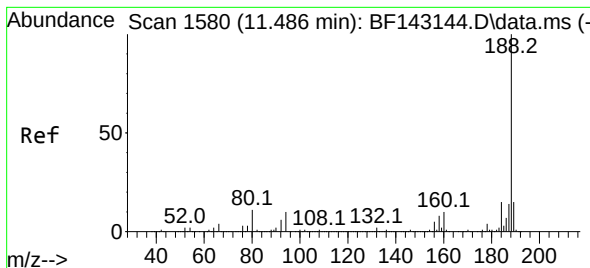


#58
Fluorene
Concen: 3.279 ng
RT: 10.545 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11



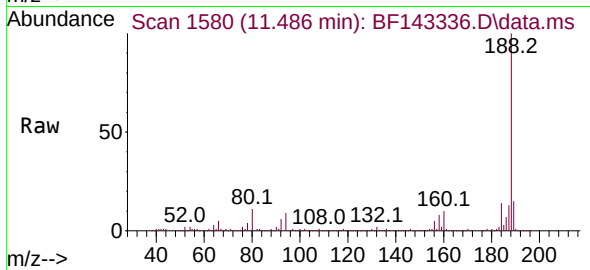
Tgt Ion:166 Resp: 19474
Ion Ratio Lower Upper
166 100
165 92.7 73.7 110.5
167 15.5 10.6 16.0





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

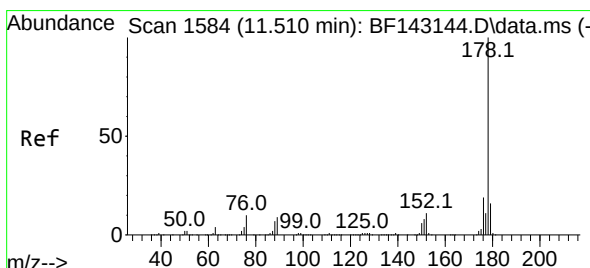
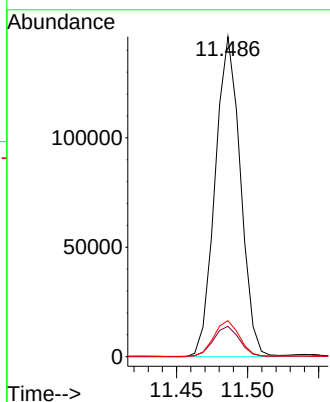
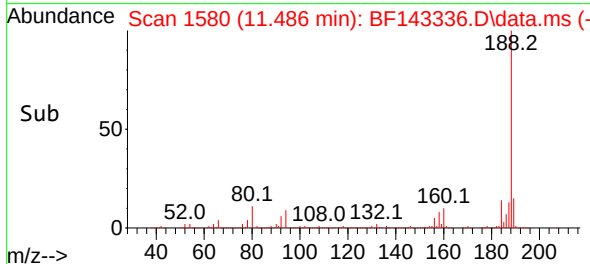
Instrument :
BNA_F
ClientSampleId :
TP-1



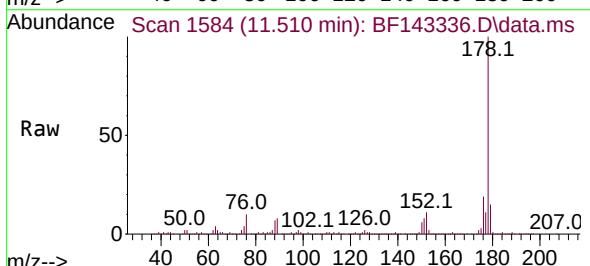
Tgt Ion:188 Resp: 181010
Ion Ratio Lower Upper
188 100
94 9.5 8.3 12.5
80 11.2 9.0 13.6

Manual Integrations
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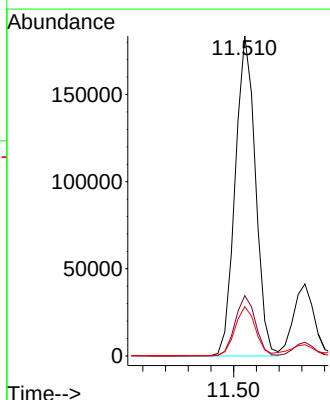
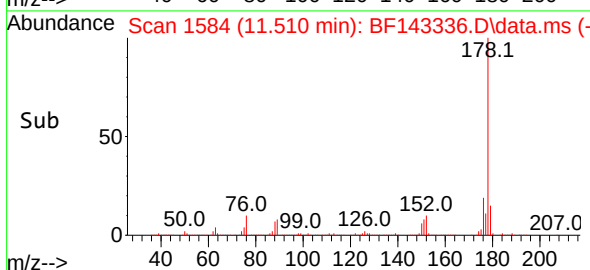
Reviewed By :Rahul Chavli 08/07/2025
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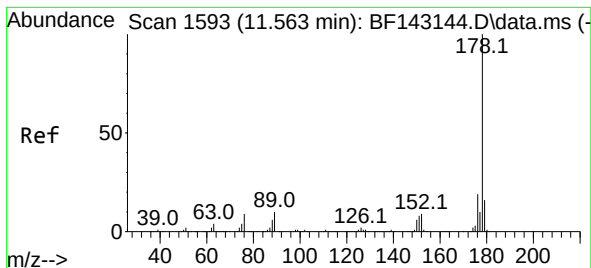


#71
Phenanthrene
Concen: 23.665 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11



Tgt Ion:178 Resp: 227442
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.4 12.5 18.7





#72

Anthracene

Concen: 5.652 ng

RT: 11.563 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF143336.D

Acq: 06 Aug 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-1

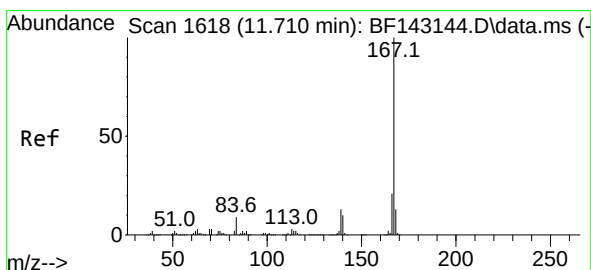
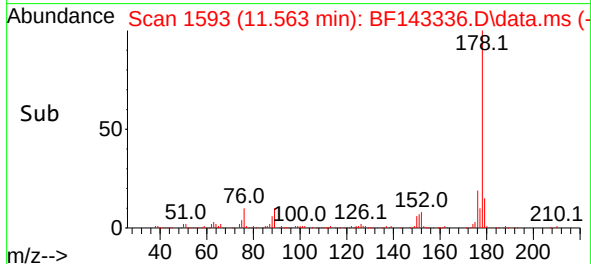
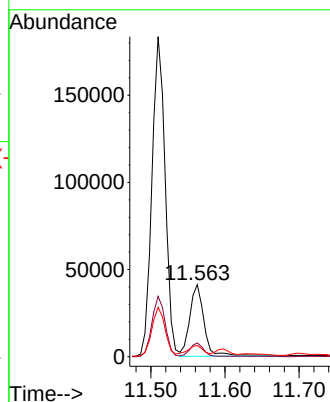
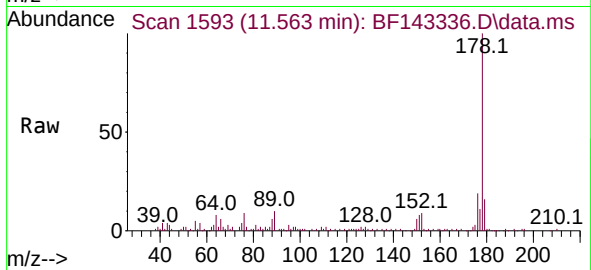
Tgt Ion:178	Resp:	55400
Ion Ratio	Lower	Upper
178	100	
176	19.0	15.0 22.4
179	15.6	12.5 18.7

Manual Integrations

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#73

Carbazole

Concen: 2.132 ng

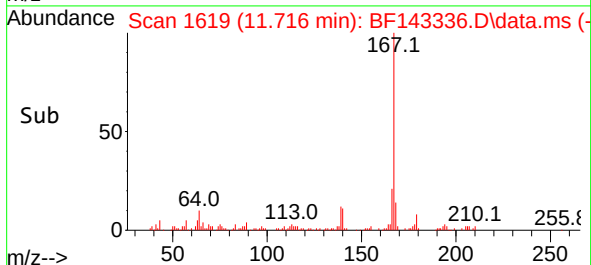
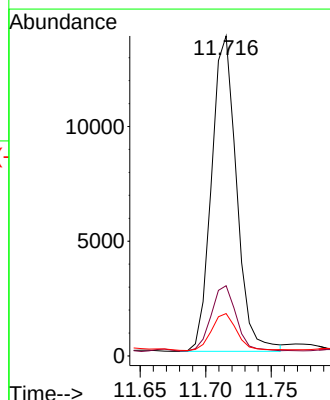
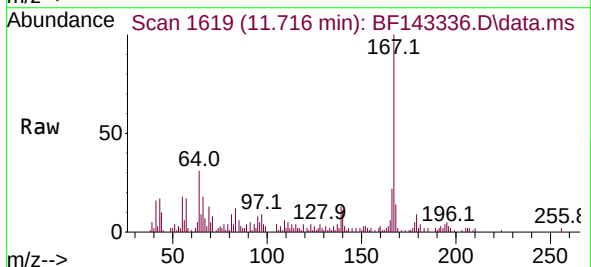
RT: 11.716 min Scan# 1619

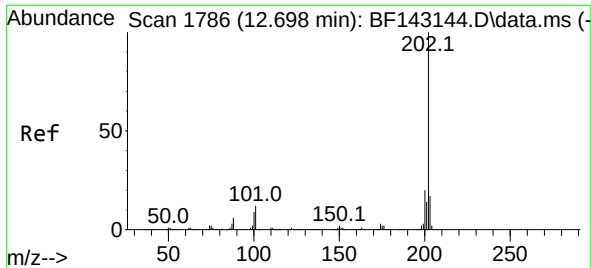
Delta R.T. 0.006 min

Lab File: BF143336.D

Acq: 06 Aug 2025 18:11

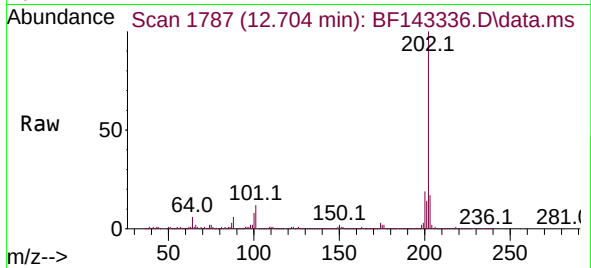
Tgt Ion:167	Resp:	18247
Ion Ratio	Lower	Upper
167	100	
166	21.9	17.0 25.6
139	13.3	10.0 15.0





#75
Fluoranthene
Concen: 37.997 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

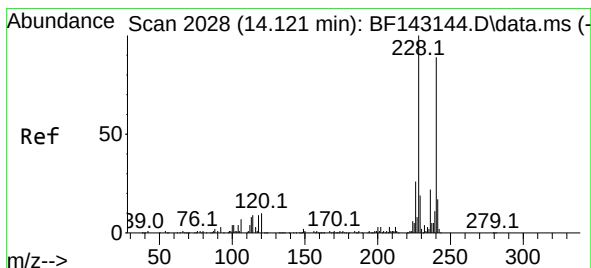
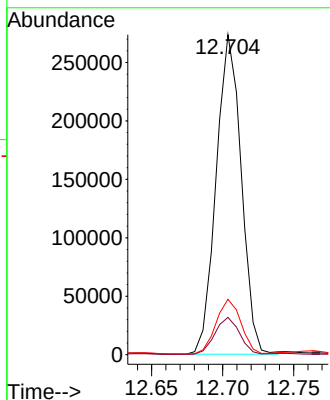
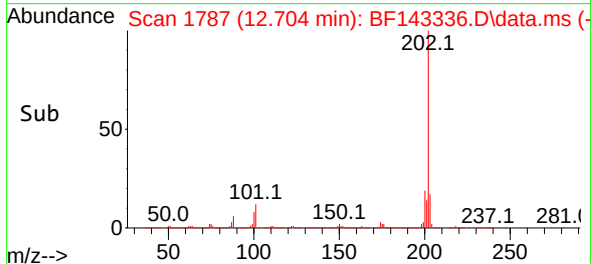
Instrument :
BNA_F
ClientSampleId :
TP-1



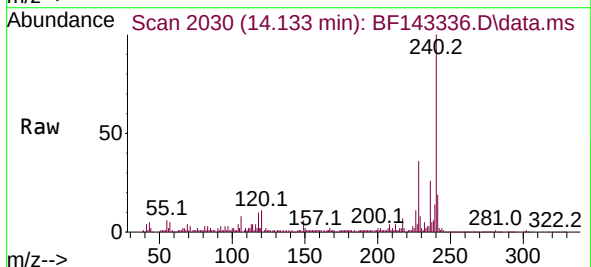
Tgt Ion:202 Resp: 335190
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.3 0.0 37.4

Manual Integrations
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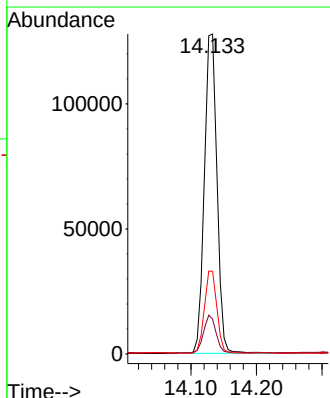
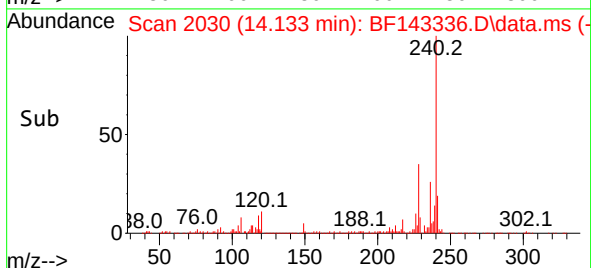
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

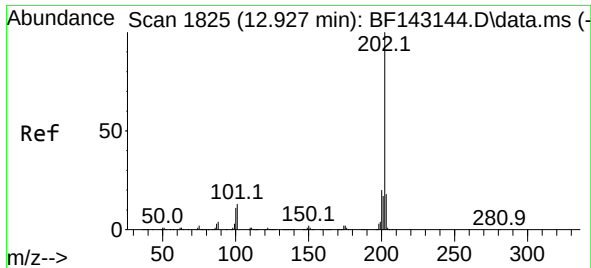


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2030
Delta R.T. 0.012 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11



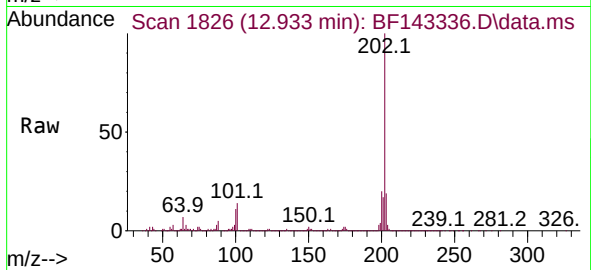
Tgt Ion:240 Resp: 171328
Ion Ratio Lower Upper
240 100
120 10.9 9.4 14.2
236 25.8 20.2 30.4





#78
Pyrene
Concen: 21.689 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

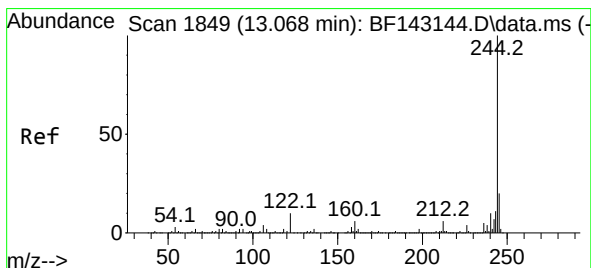
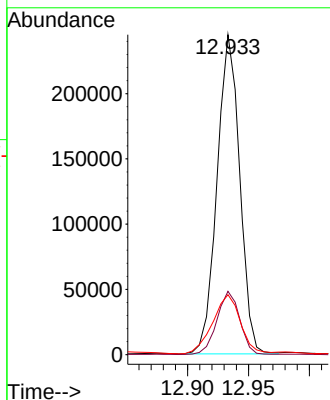
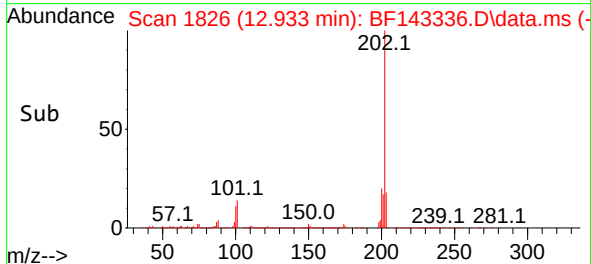
Instrument :
BNA_F
ClientSampleId :
TP-1



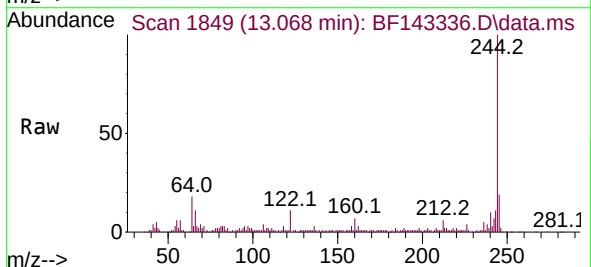
Tgt Ion:202 Resp: 31714
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 18.8 14.2 21.2

Manual Integrations
APPROVED

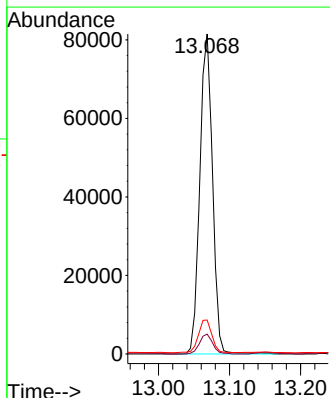
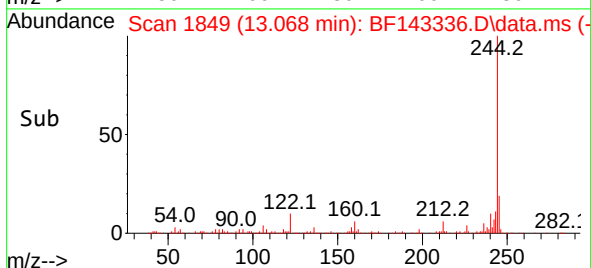
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

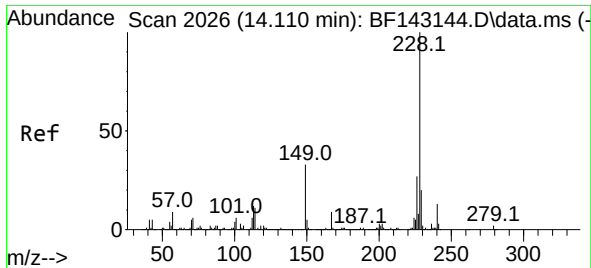


#79
Terphenyl-d14
Concen: 8.814 ng
RT: 13.068 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11



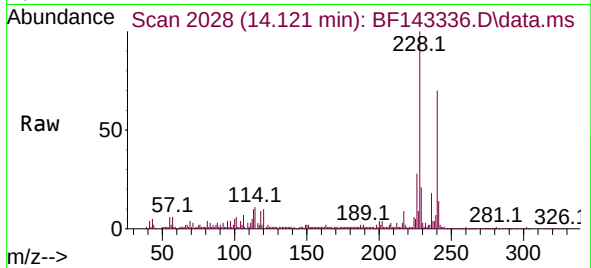
Tgt Ion:244 Resp: 101478
Ion Ratio Lower Upper
244 100
212 6.2 5.2 7.8
122 10.6 8.2 12.2





#81
Benzo(a)anthracene
Concen: 14.266 ng
RT: 14.121 min Scan# 2026
Delta R.T. 0.012 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

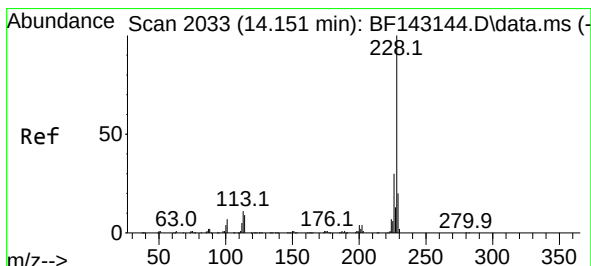
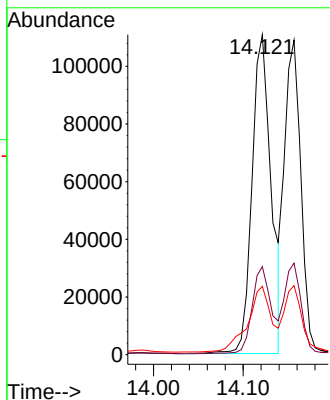
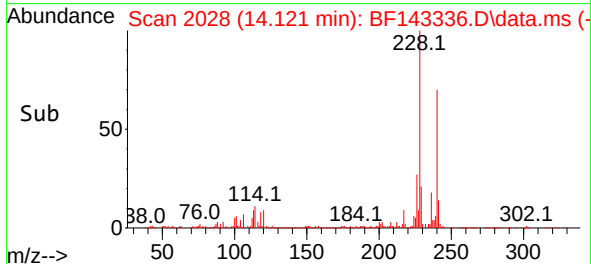
Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:228 Resp: 16363
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 21.3 15.8 23.6

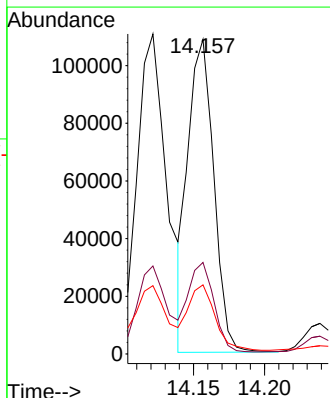
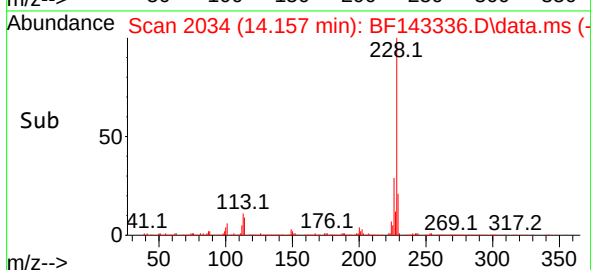
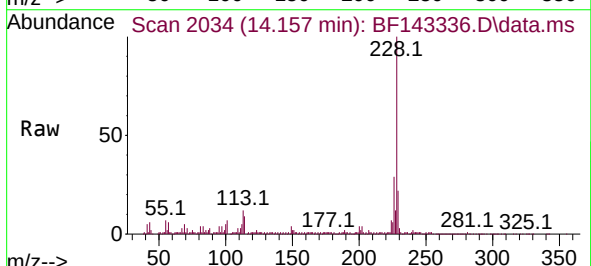
Manual Integrations
APPROVED

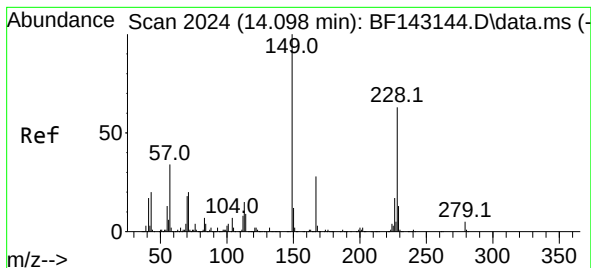
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#83
Chrysene
Concen: 13.269 ng
RT: 14.157 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

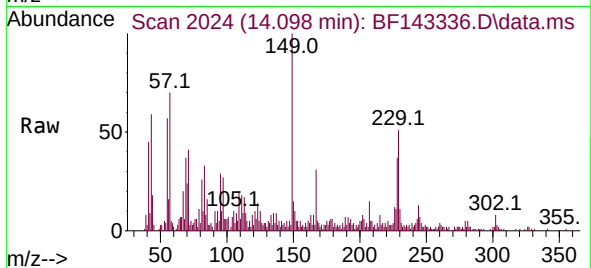
Tgt Ion:228 Resp: 136845
Ion Ratio Lower Upper
228 100
226 29.1 23.8 35.8
229 22.0 15.6 23.4





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.829 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

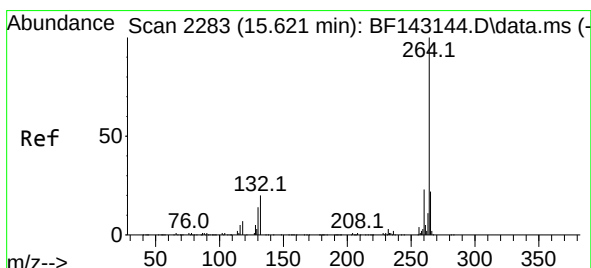
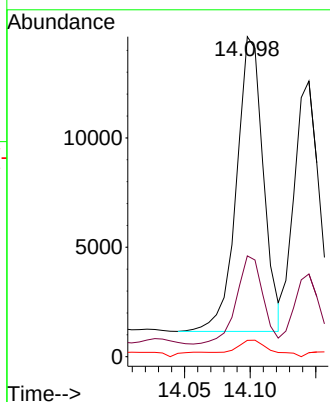
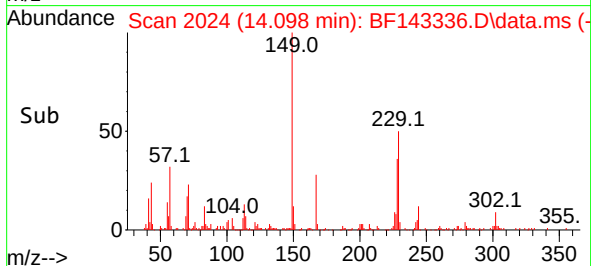
Instrument :
BNA_F
ClientSampleId :
TP-1



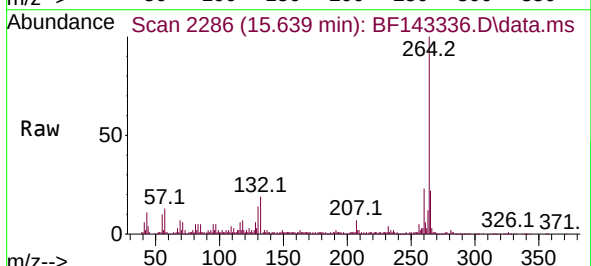
Tgt Ion:149 Resp: 19170
Ion Ratio Lower Upper
149 100
167 31.5 22.3 33.5
279 5.1 3.6 5.4

Manual Integrations
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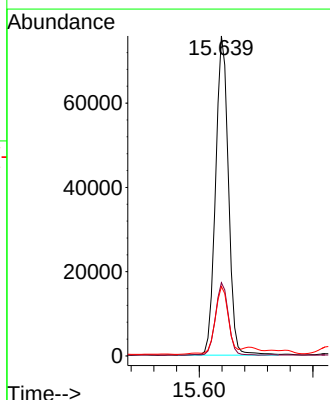
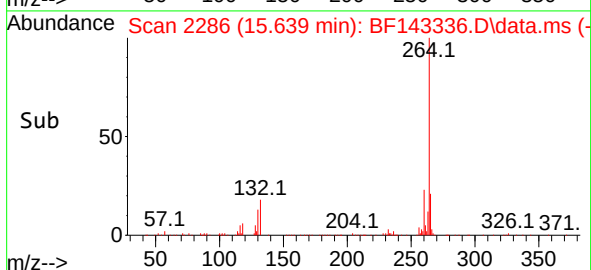
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

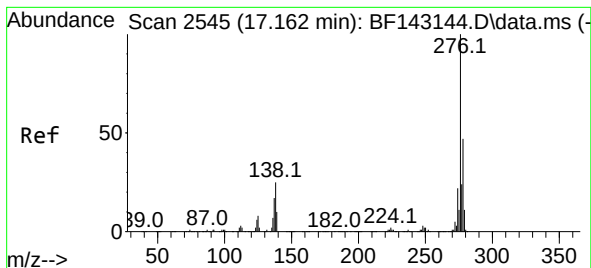


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2286
Delta R.T. 0.018 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11



Tgt Ion:264 Resp: 118704
Ion Ratio Lower Upper
264 100
260 22.9 18.5 27.7
265 21.7 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 4.338 ng

RT: 17.180 min Scan# 2110

Delta R.T. 0.018 min

Lab File: BF143336.D

Acq: 06 Aug 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-1

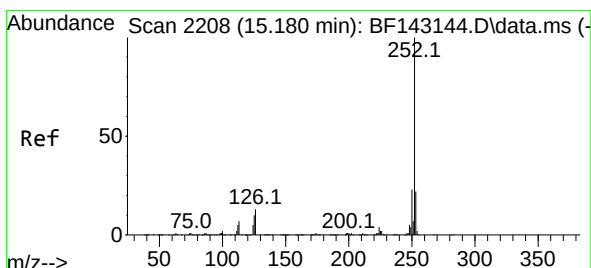
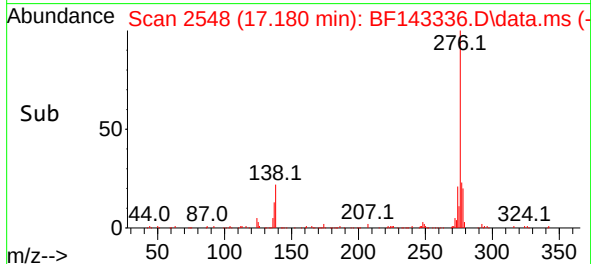
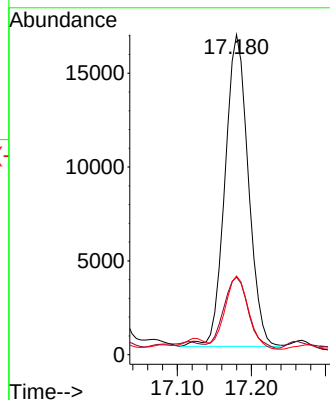
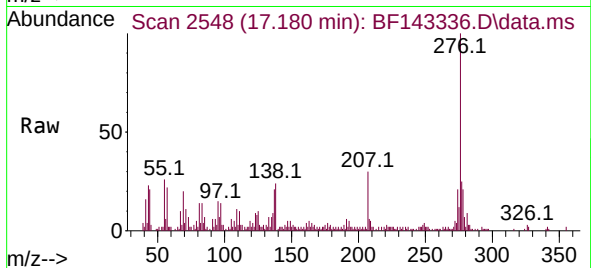
Tgt Ion:276 Resp: 36310
 Ion Ratio Lower Upper
 276 100
 138 23.8 21.8 32.6
 277 23.5 20.0 30.0

Manual Integrations

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Supervised By :Jagrut Upadhyay 08/07/2025



#88

Benzo(b)fluoranthene

Concen: 18.063 ng m

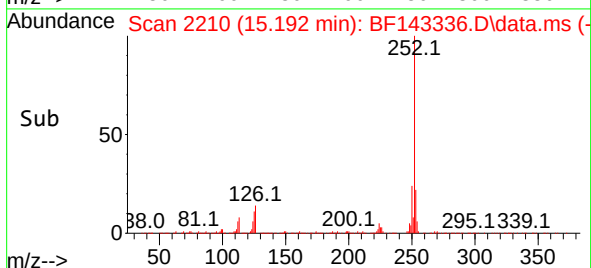
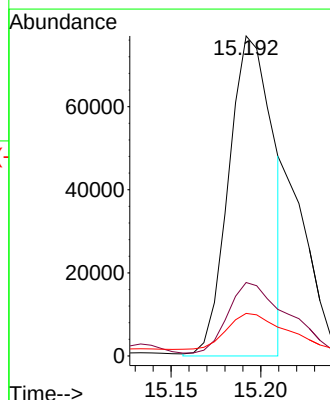
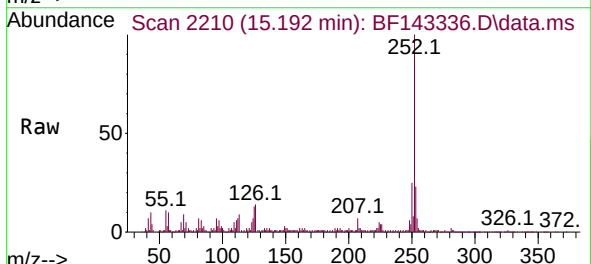
RT: 15.192 min Scan# 2210

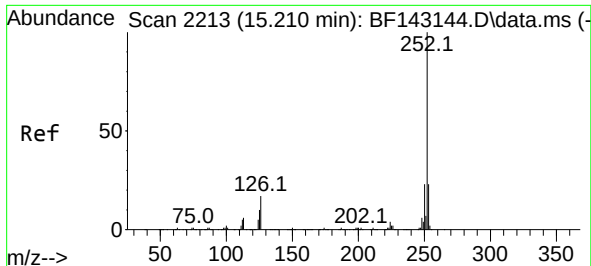
Delta R.T. 0.012 min

Lab File: BF143336.D

Acq: 06 Aug 2025 18:11

Tgt Ion:252 Resp: 130986
 Ion Ratio Lower Upper
 252 100
 253 22.9 17.5 26.3
 125 13.3 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 7.120 ng m

RT: 15.209 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF143336.D

Acq: 06 Aug 2025 18:11

Instrument :

BNA_F

ClientSampleId :

TP-1

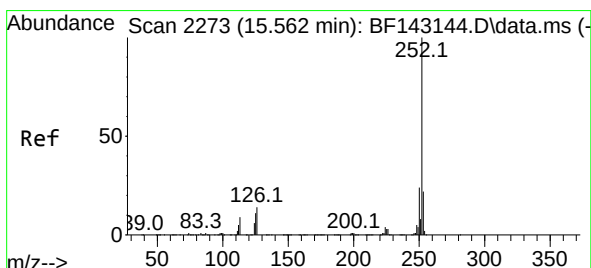
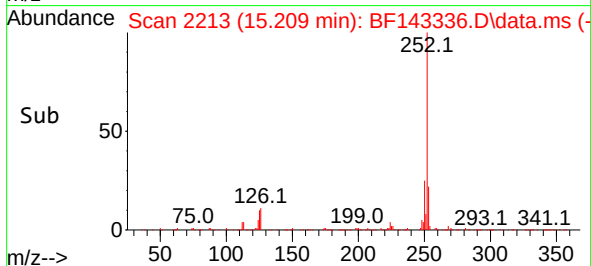
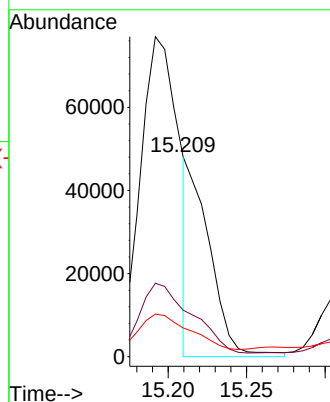
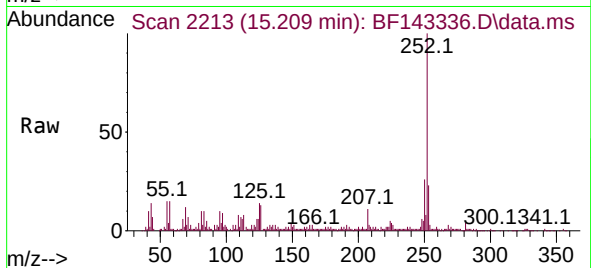
Tgt Ion:252 Resp: 46074
 Ion Ratio Lower Upper
 252 100
 253 23.3 17.8 26.6
 125 14.4 8.1 12.1

Manual Integrations

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Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#90

Benzo(a)pyrene

Concen: 11.629 ng

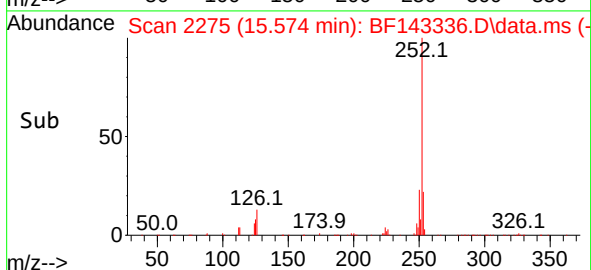
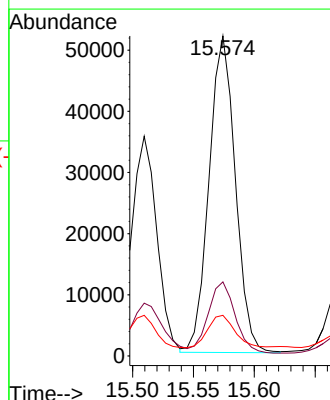
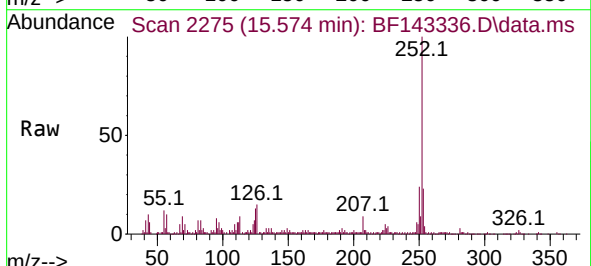
RT: 15.574 min Scan# 2275

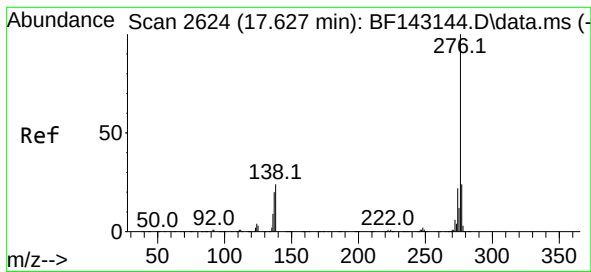
Delta R.T. 0.012 min

Lab File: BF143336.D

Acq: 06 Aug 2025 18:11

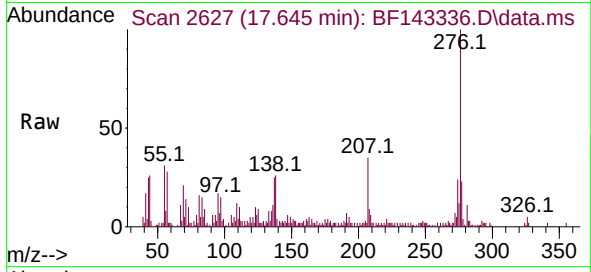
Tgt Ion:252 Resp: 77699
 Ion Ratio Lower Upper
 252 100
 253 23.2 17.3 25.9
 125 12.7 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 5.142 ng
RT: 17.645 min Scan# 20
Delta R.T. 0.018 min
Lab File: BF143336.D
Acq: 06 Aug 2025 18:11

Instrument :
BNA_F
ClientSampleId :
TP-1



Tgt Ion:276 Resp: 33880
Ion Ratio Lower Upper
276 100
277 23.3 19.1 28.7
138 25.6 18.9 28.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

