

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143335.D
 Acq On : 06 Aug 2025 17:41
 Operator : RC/JU
 Sample : Q2780-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Manual Integrations
 APPROVED

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

Quant Time: Aug 06 18:16:38 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	76811	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	310026	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	129129	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	215229	20.000	ng	0.00
76) Chrysene-d12	14.127	240	203933	20.000	ng	0.00
86) Perylene-d12	15.639	264	165917	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	207221	42.692	ng	0.00
7) Phenol-d6	6.587	99	242830	39.746	ng	0.00
23) Nitrobenzene-d5	7.516	82	154040	24.767	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	54035	40.507	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	238884	25.301	ng	0.00
79) Terphenyl-d14	13.068	244	246758	18.006	ng	0.00
Target Compounds						Qvalue
58) Fluorene	10.545	166	19355	2.352	ng	99
71) Phenanthrene	11.510	178	120149	10.514	ng	99
72) Anthracene	11.563	178	31767	2.726	ng	96
75) Fluoranthene	12.704	202	184300	17.570	ng	99
78) Pyrene	12.933	202	163824	9.413	ng	99
81) Benzo(a)anthracene	14.115	228	80491	5.895	ng	95
83) Chrysene	14.151	228	53613m	4.367	ng	
88) Benzo(b)fluoranthene	15.192	252	58252m	5.747	ng	
89) Benzo(k)fluoranthene	15.209	252	19312m	2.135	ng	
90) Benzo(a)pyrene	15.574	252	34197	3.662	ng	# 91

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

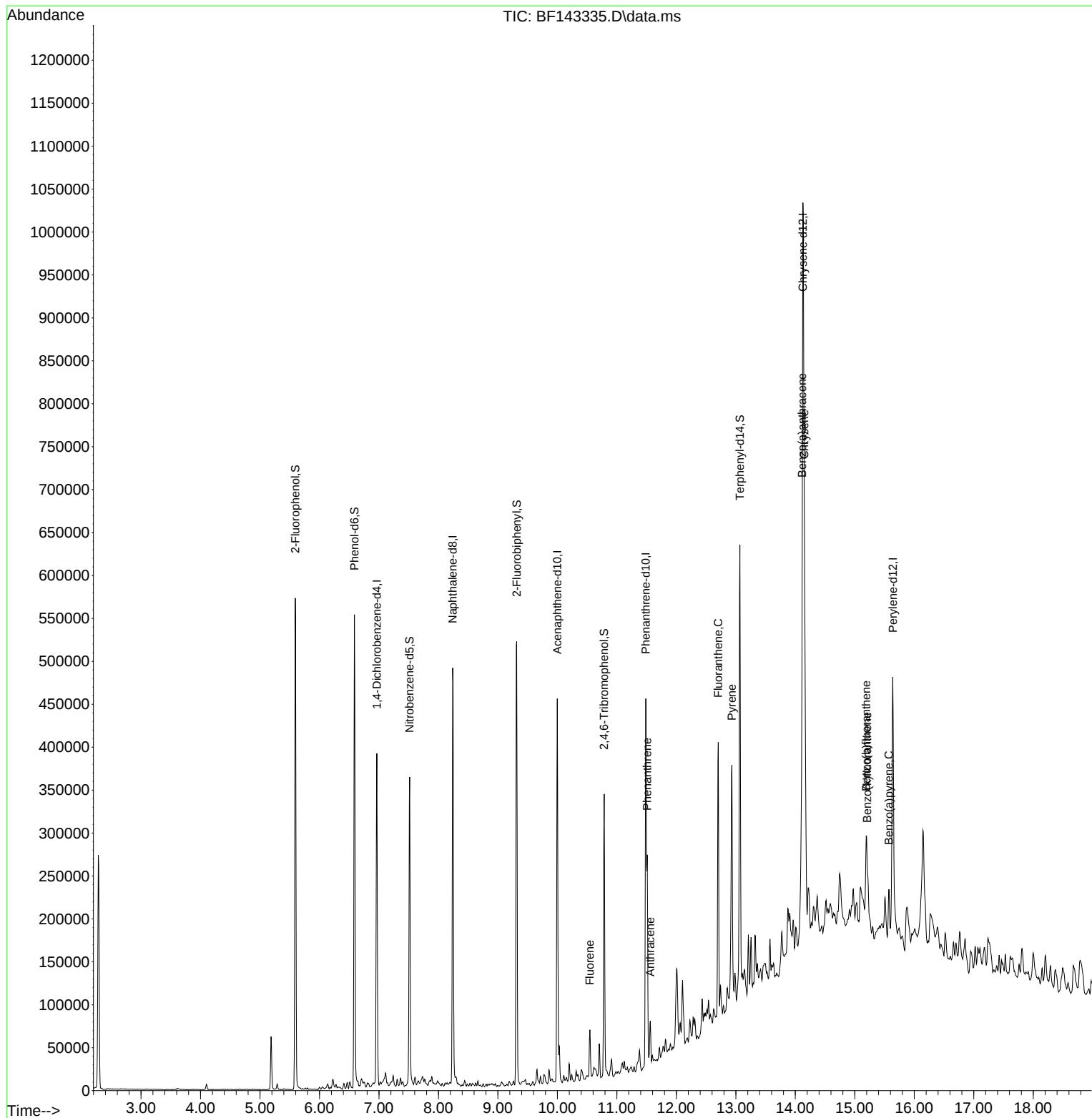
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143335.D
Acq On : 06 Aug 2025 17:41
Operator : RC/JU
Sample : Q2780-01 2X
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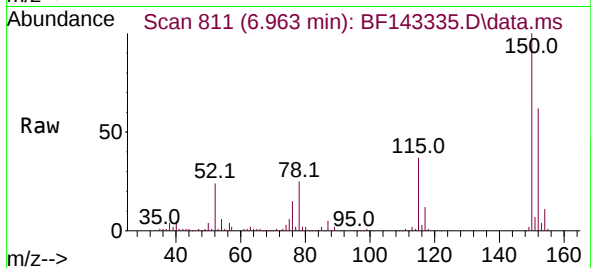
Quant Time: Aug 06 18:16:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

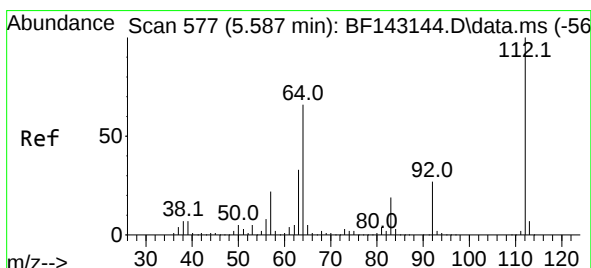
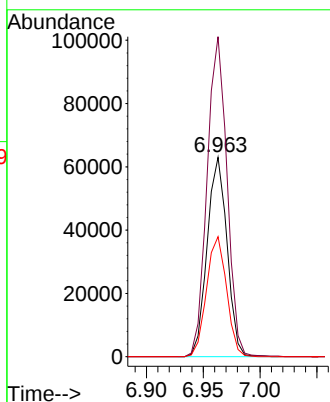
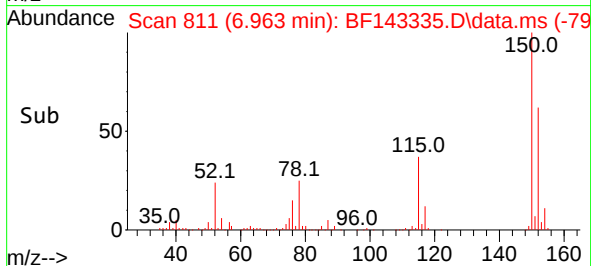
Instrument :
BNA_F
ClientSampleId :
TP-3



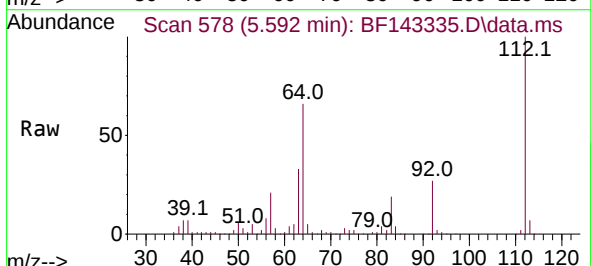
Tgt Ion:152 Resp: 7681
Ion Ratio Lower Upper
152 100
150 160.5 128.2 192.4
115 60.2 47.9 71.9

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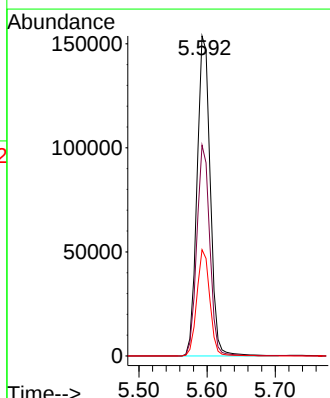
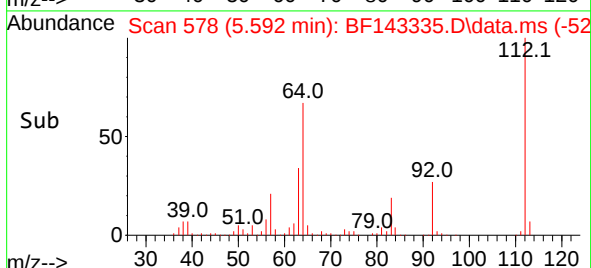
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#5
2-Fluorophenol
Concen: 42.692 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41



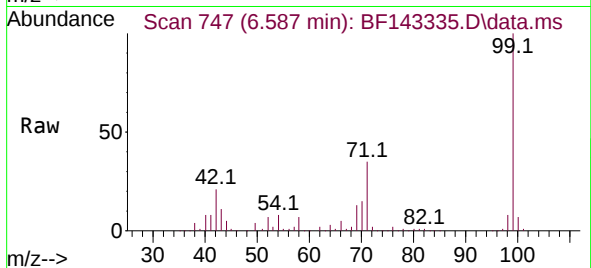
Tgt Ion:112 Resp: 207221
Ion Ratio Lower Upper
112 100
64 65.9 53.1 79.7
63 33.2 26.6 40.0





#7
Phenol-d6
Concen: 39.746 ng
RT: 6.587 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

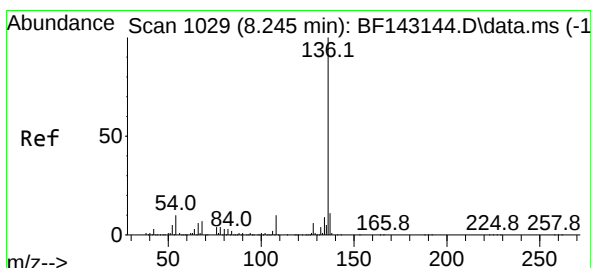
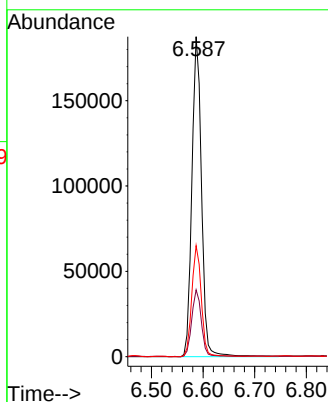
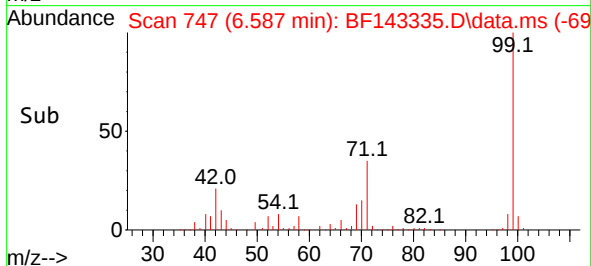
Instrument :
BNA_F
ClientSampleId :
TP-3



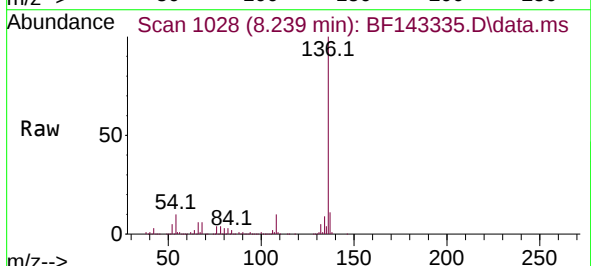
Tgt Ion: 99 Resp: 242830
Ion Ratio Lower Upper
99 100
42 20.9 17.0 25.6
71 34.7 27.7 41.5

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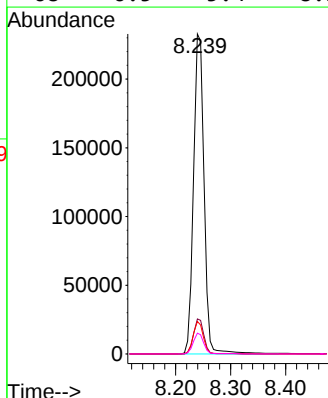
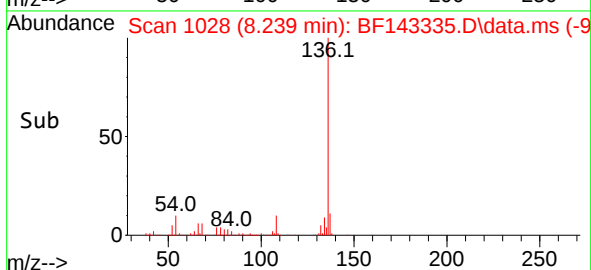
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

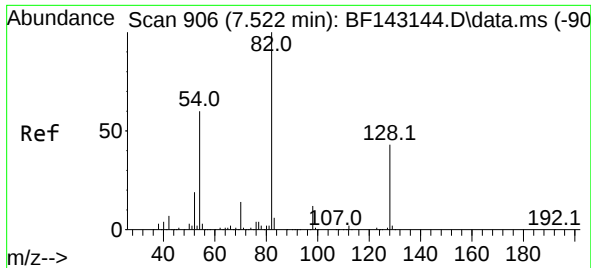


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41



Tgt Ion:136 Resp: 310026
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 10.2 8.2 12.2
68 6.5 5.4 8.2





#23

Nitrobenzene-d5

Concen: 24.767 ng

RT: 7.516 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion: 82 Resp: 154040

Ion Ratio Lower Upper

82 100

128 43.0 33.6 50.4

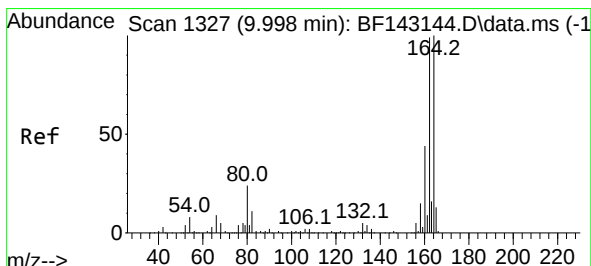
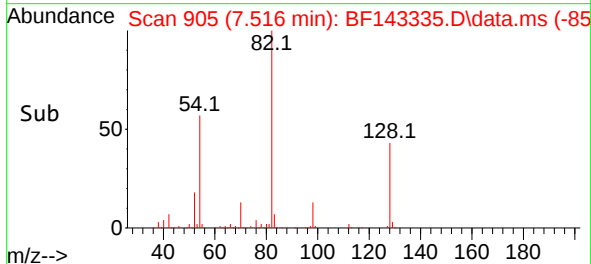
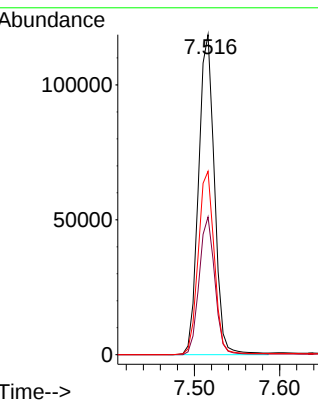
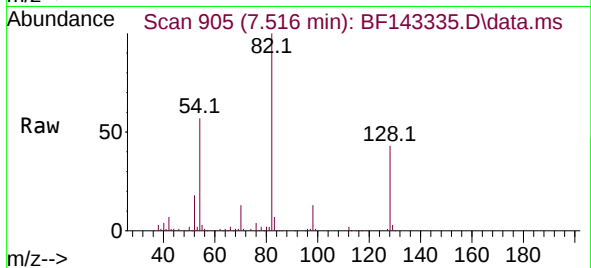
54 57.3 47.1 70.7

Manual Integrations

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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: BF143335.D

Acq: 06 Aug 2025 17:41

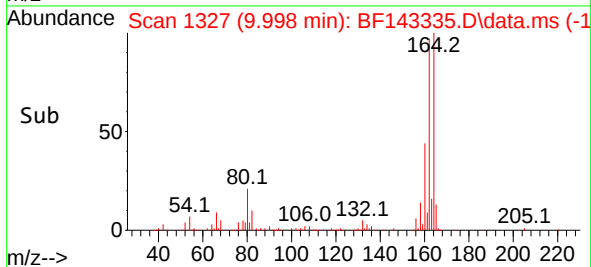
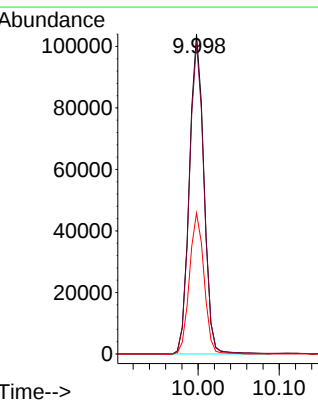
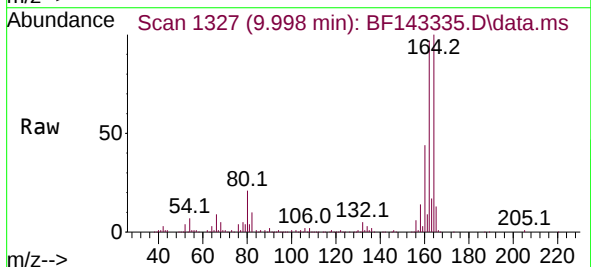
Tgt Ion:164 Resp: 129129

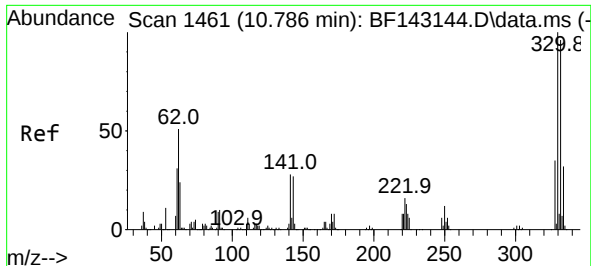
Ion Ratio Lower Upper

164 100

162 97.4 79.0 118.6

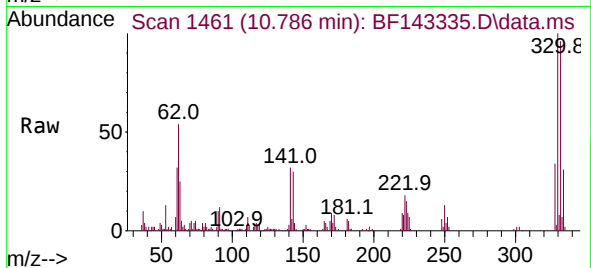
160 44.0 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 40.507 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

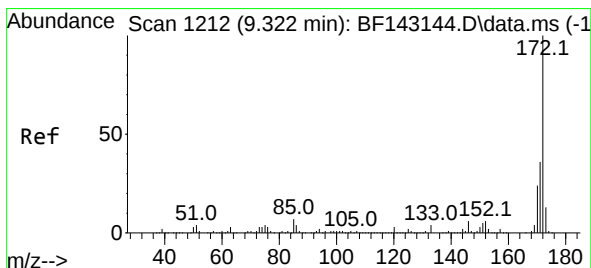
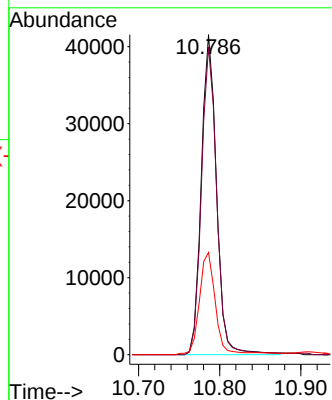
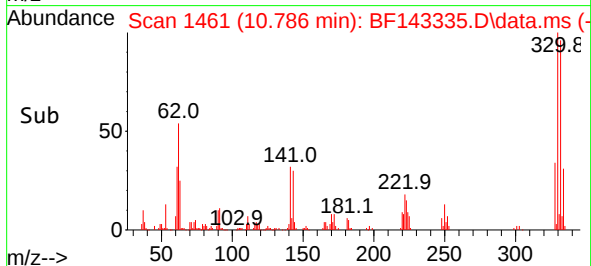
Instrument :
BNA_F
ClientSampleId :
TP-3



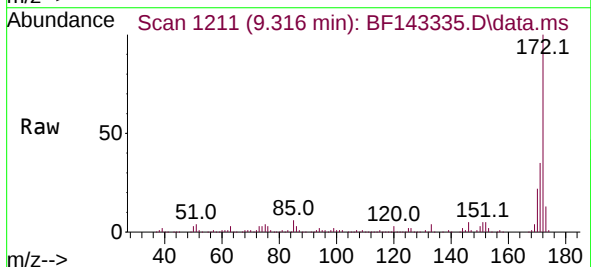
Tgt Ion: 330 Resp: 5403
Ion Ratio Lower Upper
330 100
332 96.7 76.7 115.1
141 33.1 23.3 34.9

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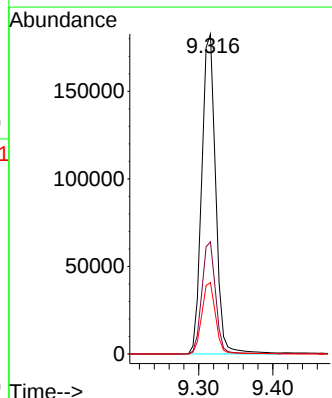
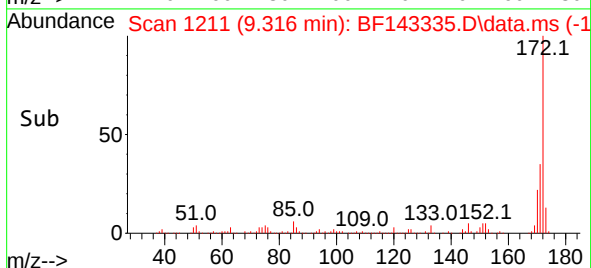
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

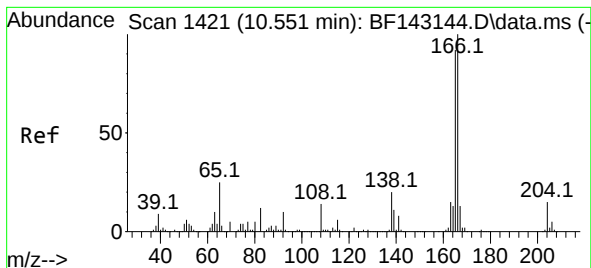


#45
2-Fluorobiphenyl
Concen: 25.301 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41



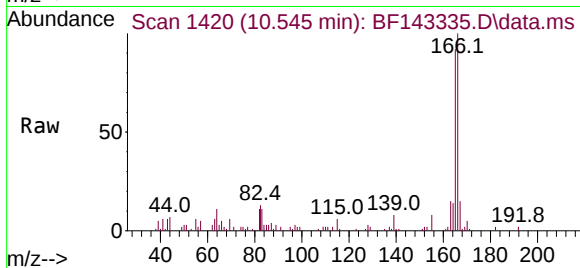
Tgt Ion: 172 Resp: 238884
Ion Ratio Lower Upper
172 100
171 35.1 28.6 42.8
170 22.3 18.8 28.2





#58
Fluorene
Concen: 2.352 ng
RT: 10.545 min Scan# 1421
Delta R.T. -0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

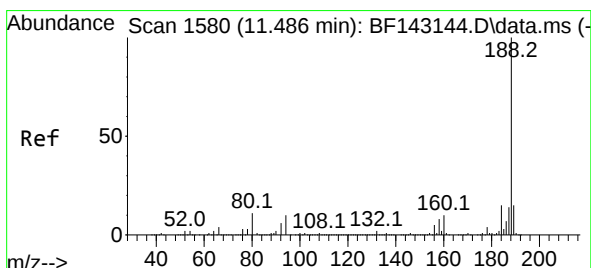
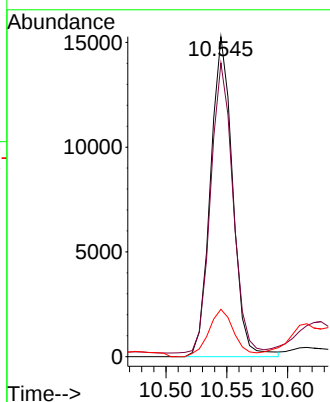
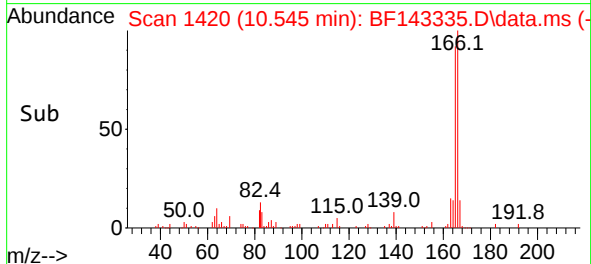
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:166 Resp: 1935
Ion Ratio Lower Upper
166 100
165 91.8 73.7 110.5
167 14.8 10.6 16.0

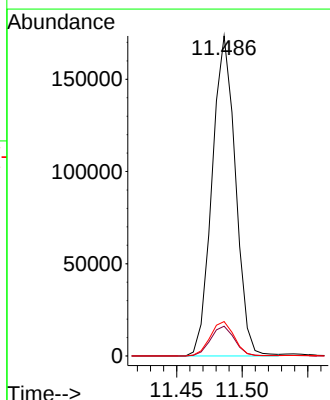
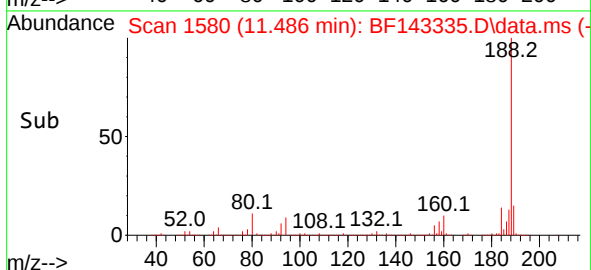
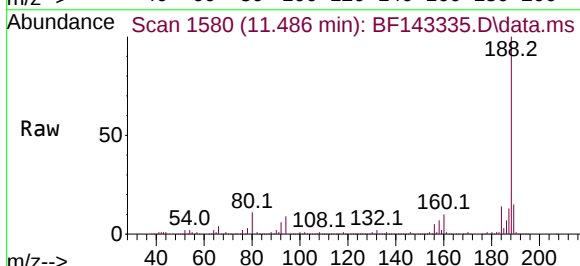
Manual Integrations
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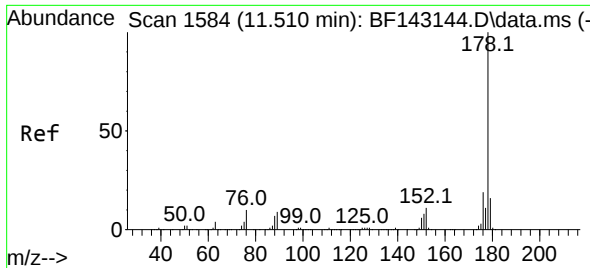
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

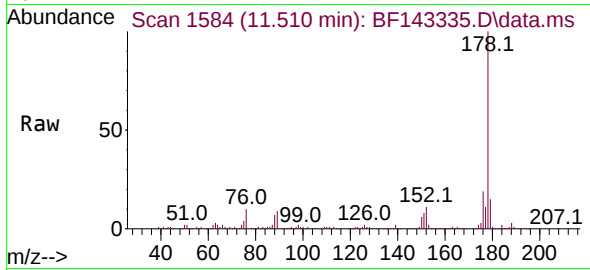
Tgt Ion:188 Resp: 215229
Ion Ratio Lower Upper
188 100
94 9.3 8.3 12.5
80 10.8 9.0 13.6





#71
Phenanthrene
Concen: 10.514 ng
RT: 11.510 min Scan# 11584
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

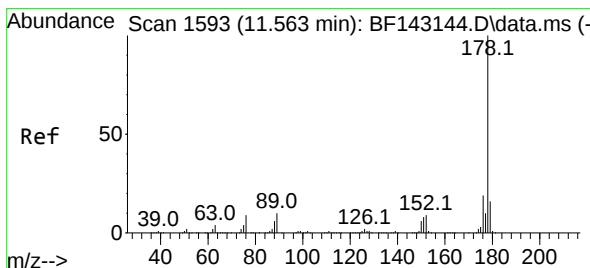
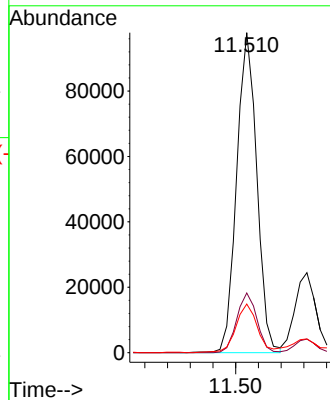
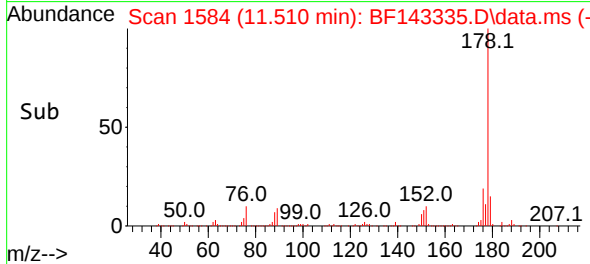
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:178 Resp: 120149
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.2 12.5 18.7

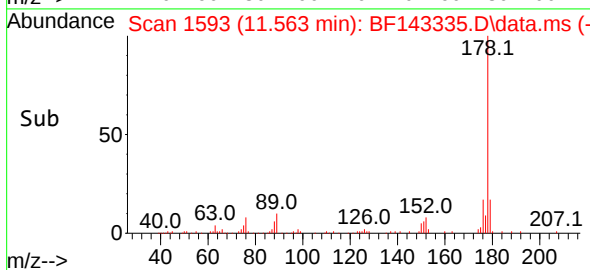
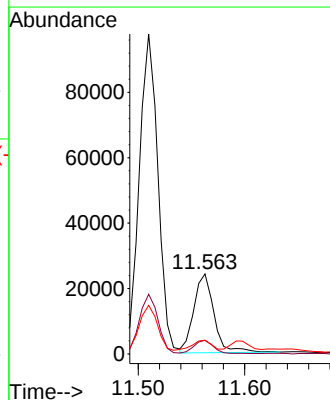
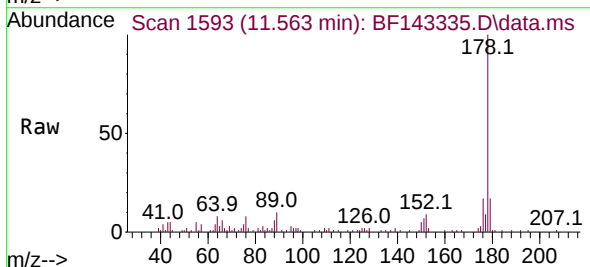
Manual Integrations
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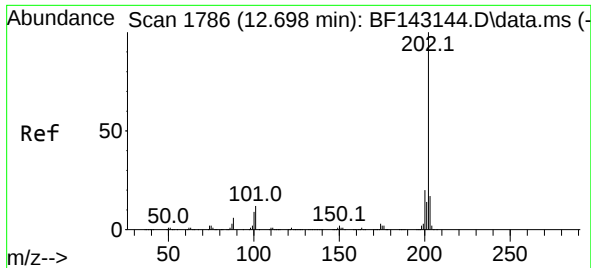
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#72
Anthracene
Concen: 2.726 ng
RT: 11.563 min Scan# 1593
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

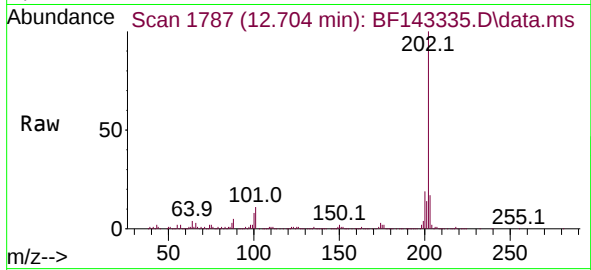
Tgt Ion:178 Resp: 31767
Ion Ratio Lower Upper
178 100
176 16.9 15.0 22.4
179 17.3 12.5 18.7





#75
Fluoranthene
Concen: 17.570 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

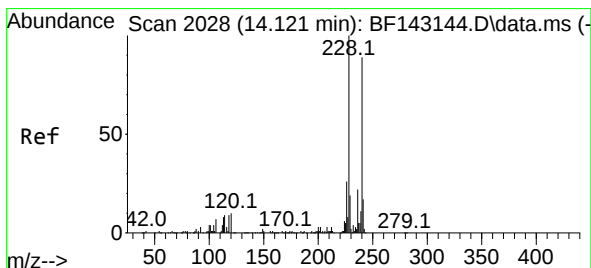
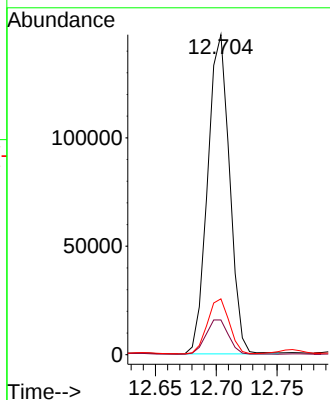
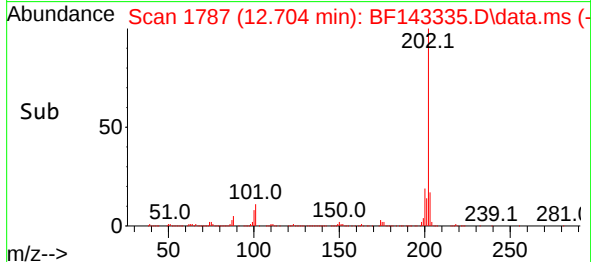
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:202 Resp: 184300
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.7
203 17.5 0.0 37.4

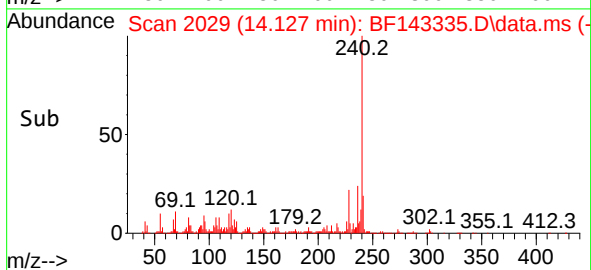
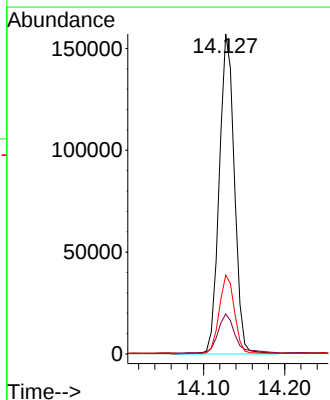
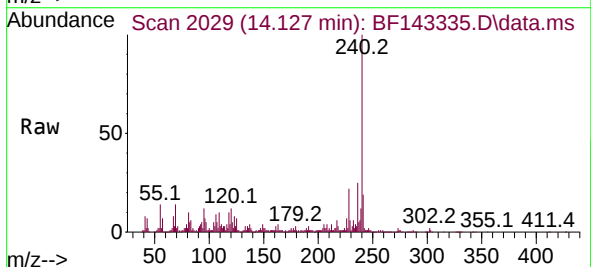
Manual Integrations
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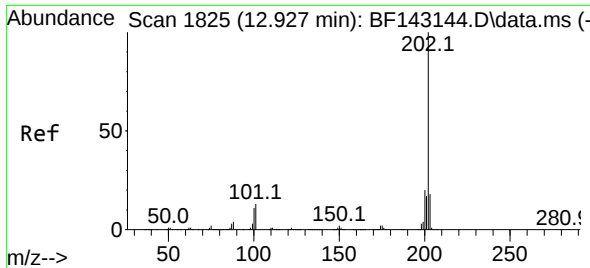
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

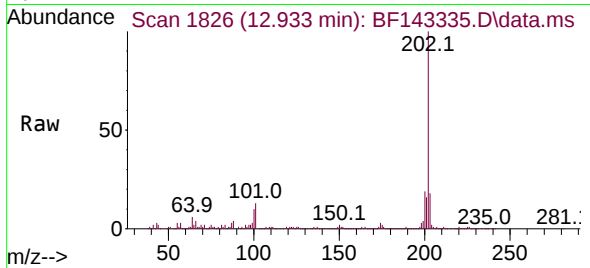
Tgt Ion:240 Resp: 203933
Ion Ratio Lower Upper
240 100
120 12.5 9.4 14.2
236 24.7 20.2 30.4





#78
Pyrene
Concen: 9.413 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

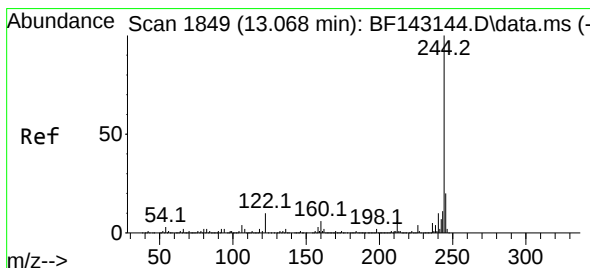
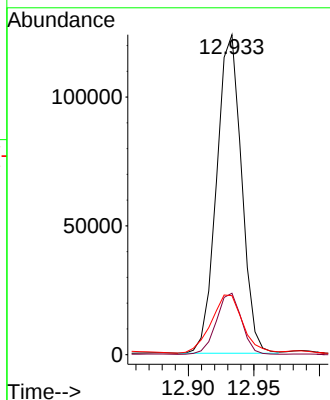
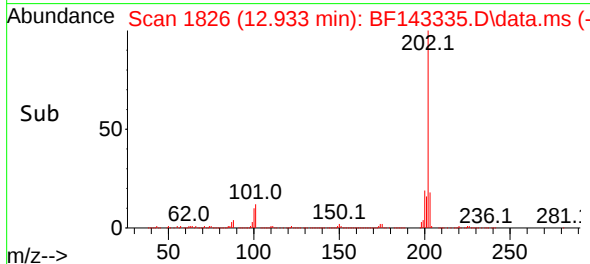
Instrument :
BNA_F
ClientSampleId :
TP-3



Tgt Ion:202 Resp: 163824
Ion Ratio Lower Upper
202 100
200 19.2 15.7 23.5
203 18.5 14.2 21.2

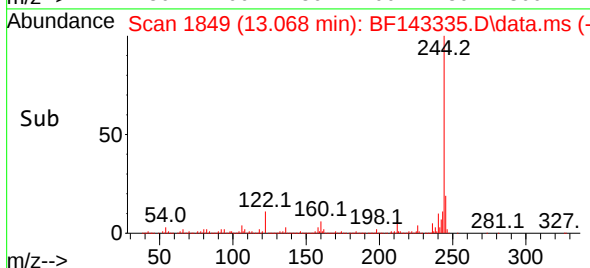
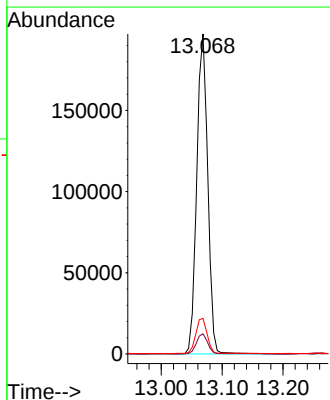
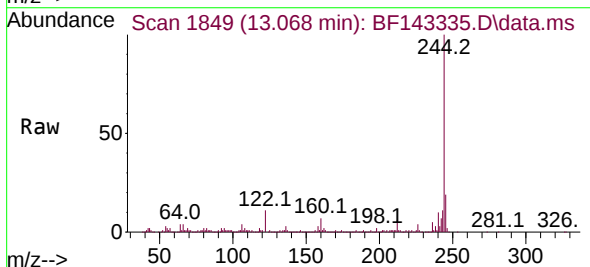
Manual Integrations
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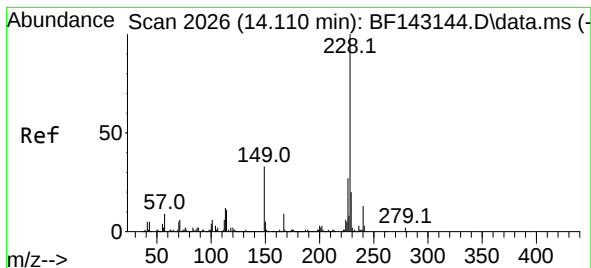
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#79
Terphenyl-d14
Concen: 18.006 ng
RT: 13.068 min Scan# 1849
Delta R.T. -0.000 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

Tgt Ion:244 Resp: 246758
Ion Ratio Lower Upper
244 100
212 6.3 5.2 7.8
122 11.1 8.2 12.2





#81

Benzo(a)anthracene

Concen: 5.895 ng

RT: 14.115 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Instrument :

BNA_F

ClientSampleId :

TP-3

Tgt Ion:228 Resp: 8049

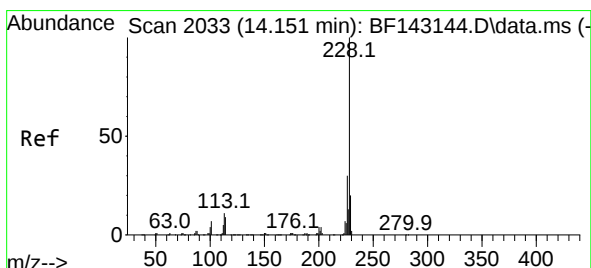
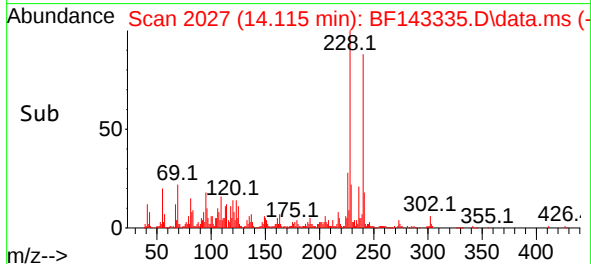
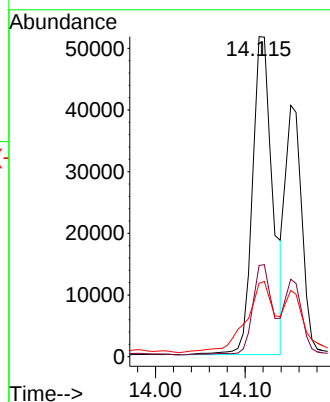
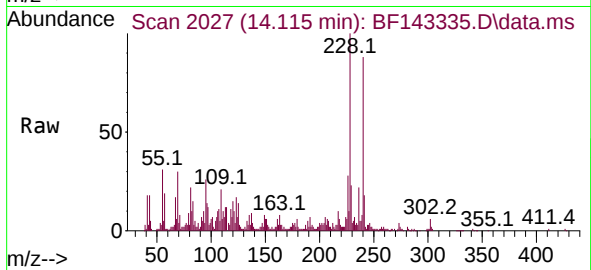
Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.7	32.5
229	23.0	15.8	23.6

Manual Integrations

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Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#83

Chrysene

Concen: 4.367 ng m

RT: 14.151 min Scan# 2033

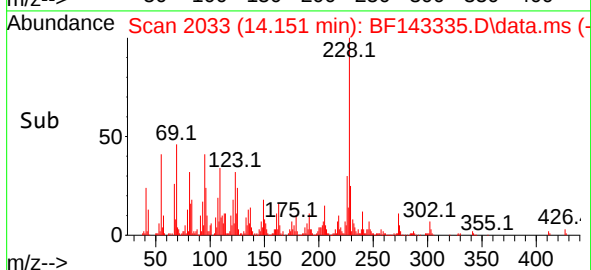
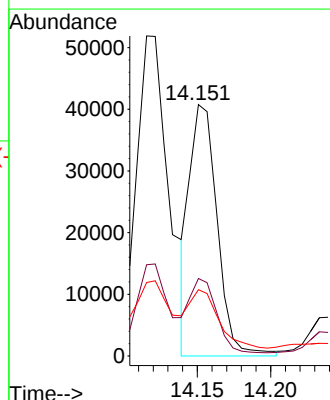
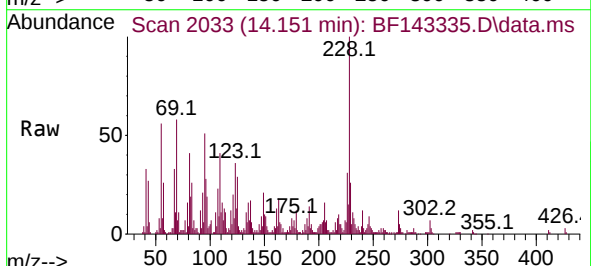
Delta R.T. -0.000 min

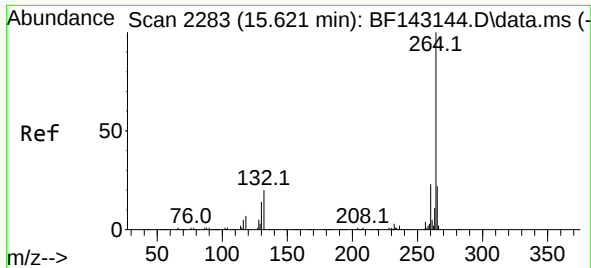
Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Tgt Ion:228 Resp: 53613

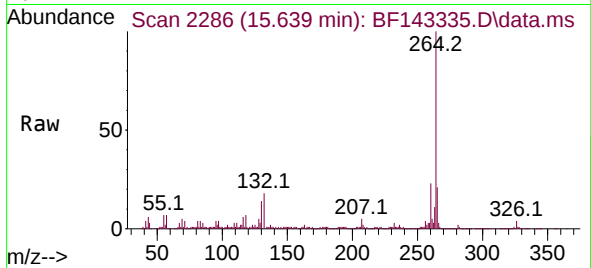
Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.8	35.8
229	26.3	15.6	23.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.639 min Scan# 2113
Delta R.T. 0.018 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41

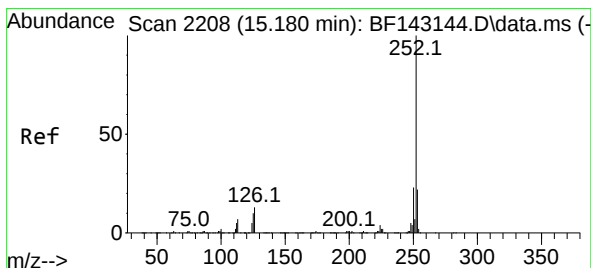
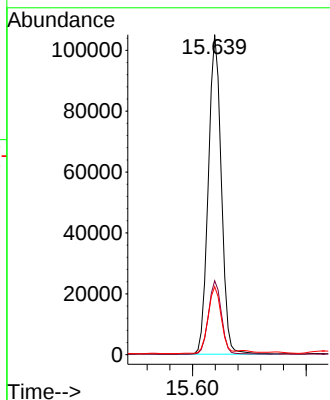
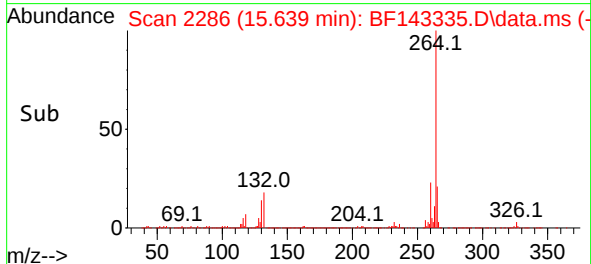
Instrument :
BNA_F
ClientSampleId :
TP-3



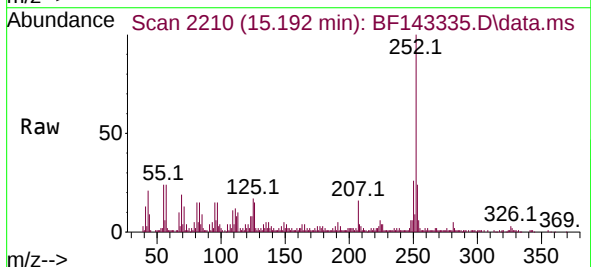
Tgt Ion:264 Resp: 16591
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 21.3 17.4 26.2

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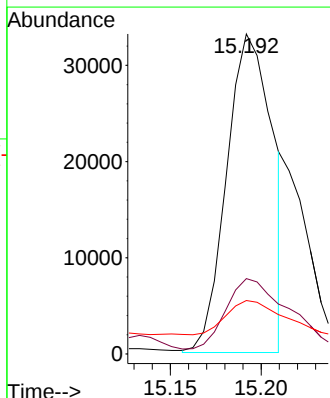
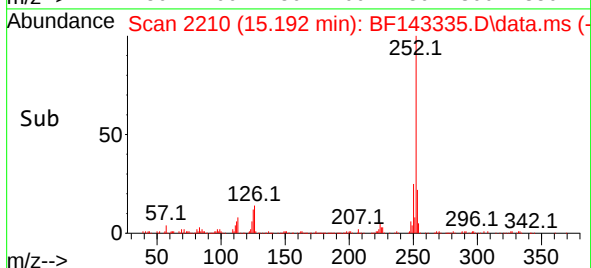
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

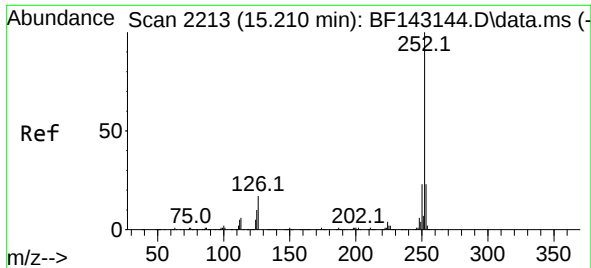


#88
Benzo(b)fluoranthene
Concen: 5.747 ng m
RT: 15.192 min Scan# 2210
Delta R.T. 0.012 min
Lab File: BF143335.D
Acq: 06 Aug 2025 17:41



Tgt Ion:252 Resp: 58252
Ion Ratio Lower Upper
252 100
253 23.6 17.5 26.3
125 16.7 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 2.135 ng m

RT: 15.209 min Scan# 2213

Delta R.T. -0.000 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Instrument :

BNA_F

ClientSampleId :

TP-3

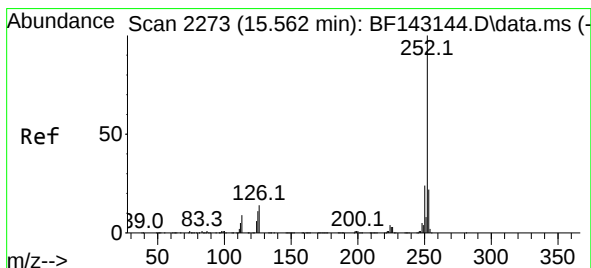
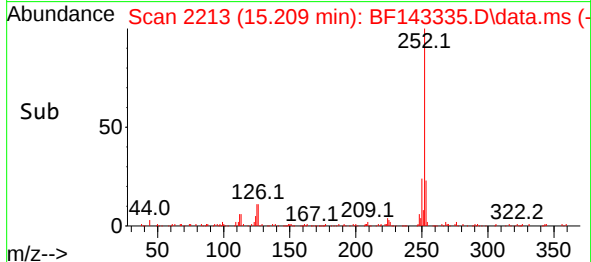
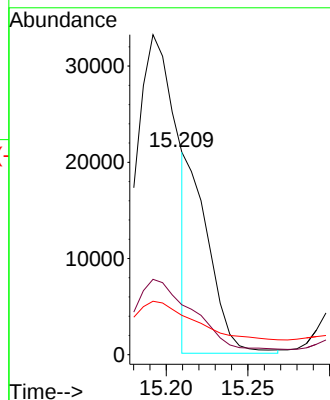
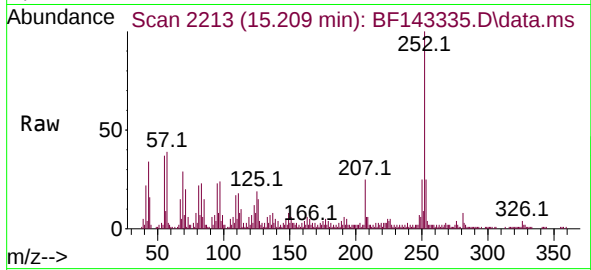
Tgt Ion:252	Resp:	1931
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.8 26.6
125	19.4	8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#90

Benzo(a)pyrene

Concen: 3.662 ng

RT: 15.574 min Scan# 2275

Delta R.T. 0.012 min

Lab File: BF143335.D

Acq: 06 Aug 2025 17:41

Tgt Ion:252	Resp:	34197
Ion Ratio	Lower	Upper
252	100	
253	24.1	17.3 25.9
125	16.9	8.6 13.0

