

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
 Data File : BF143337.D
 Acq On : 06 Aug 2025 18:40
 Operator : RC/JU
 Sample : Q2774-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 248

Manual Integrations
 APPROVED

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

Quant Time: Aug 07 01:00:40 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	99139	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	384468	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	178183	20.000	ng	0.00
64) Phenanthrene-d10	11.492	188	191306	20.000	ng	# 0.00
76) Chrysene-d12	14.139	240	191982	20.000	ng	0.02
86) Perylene-d12	15.651	264	154050	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.593	112	220092	35.131	ng	0.00
7) Phenol-d6	6.587	99	269718	34.204	ng	0.00
23) Nitrobenzene-d5	7.516	82	179583	23.283	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	49653	26.975	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	328486	25.213	ng	0.00
79) Terphenyl-d14	13.086	244	232906	18.053	ng	0.02
Target Compounds						
						Qvalue
71) Phenanthrene	11.522	178	56564	5.569	ng	# 72
75) Fluoranthene	12.722	202	173467	18.605	ng	87
78) Pyrene	12.951	202	143392	8.752	ng	# 91
81) Benzo(a)anthracene	14.133	228	71737	5.581	ng	94
83) Chrysene	14.163	228	71668m	6.202	ng	
88) Benzo(b)fluoranthene	15.204	252	80839m	8.590	ng	
89) Benzo(k)fluoranthene	15.216	252	30580m	3.641	ng	
90) Benzo(a)pyrene	15.580	252	39655	4.573	ng	# 80
92) Benzo(g,h,i)perylene	17.657	276	23313	2.726	ng	96

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

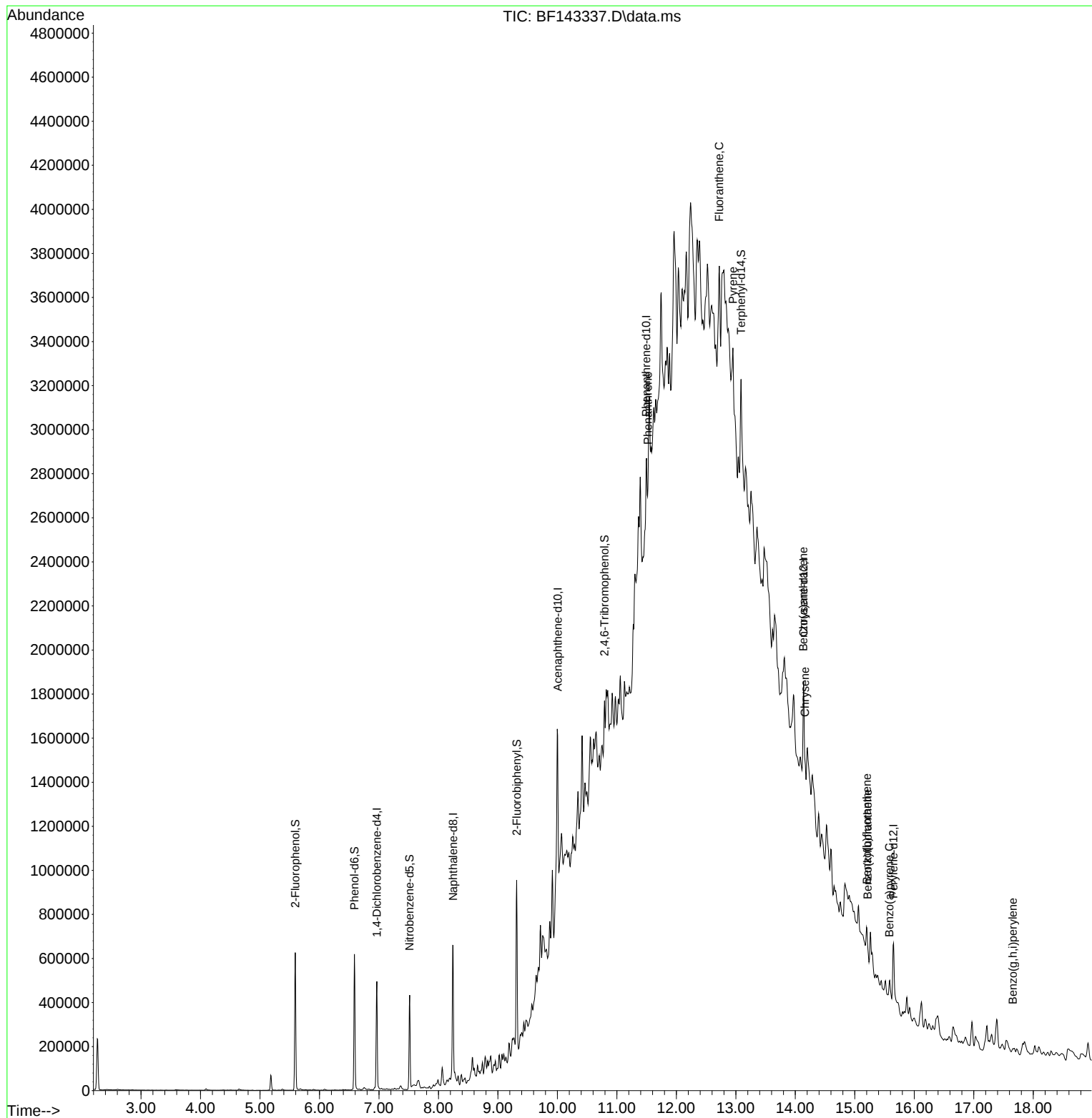
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080625\
Data File : BF143337.D
Acq On : 06 Aug 2025 18:40
Operator : RC/JU
Sample : Q2774-09 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

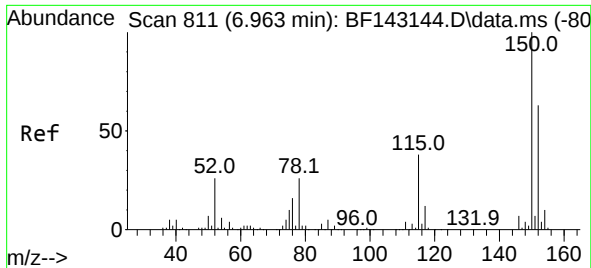
Instrument :
BNA_F
ClientSampleId :
248

Manual Integrations
APPROVED

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

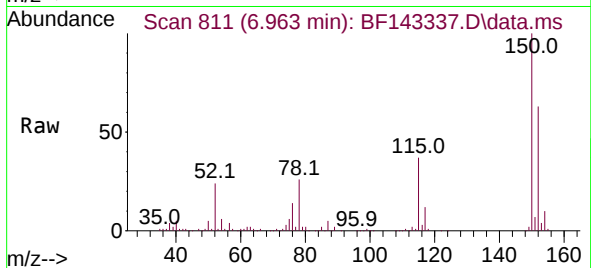
Quant Time: Aug 07 01:00:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 17 15:14:05 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

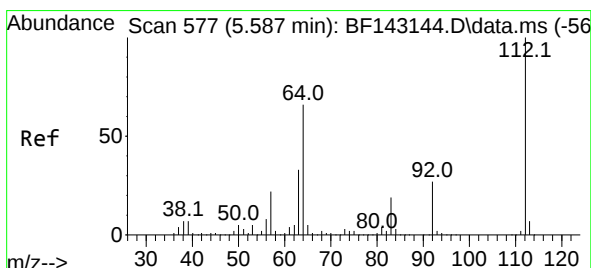
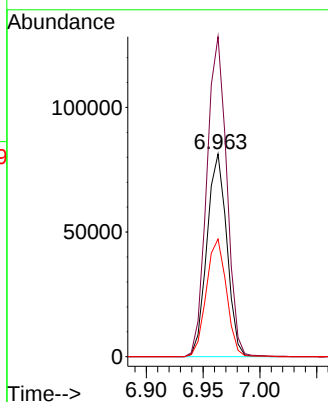
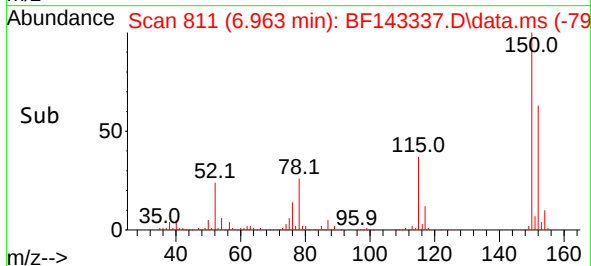
Instrument :
BNA_F
ClientSampleId :
248



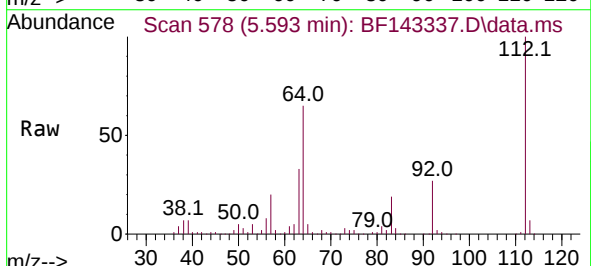
Tgt Ion:152 Resp: 99139
Ion Ratio Lower Upper
152 100
150 157.9 128.2 192.4
115 58.0 47.9 71.9

Manual Integrations
APPROVED

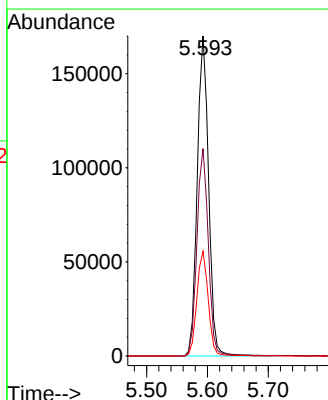
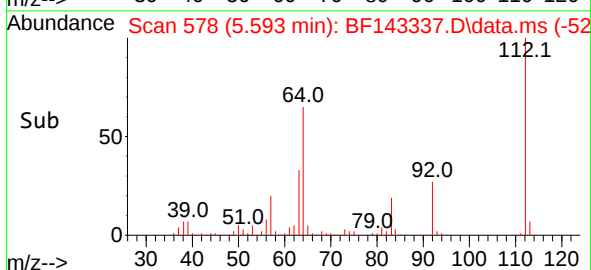
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

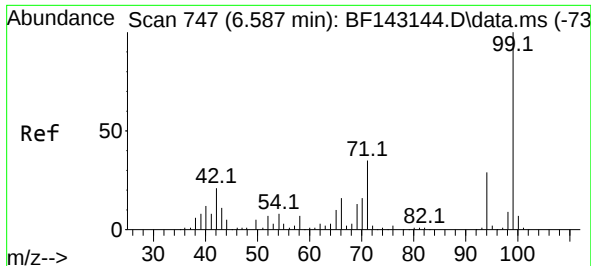


#5
2-Fluorophenol
Concen: 35.131 ng
RT: 5.593 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40



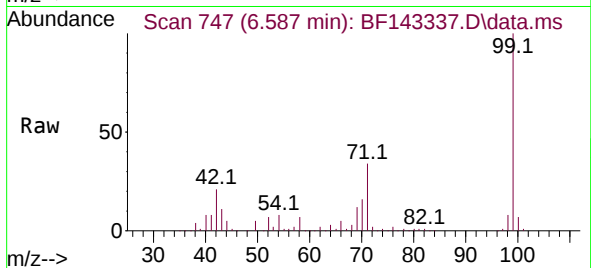
Tgt Ion:112 Resp: 220092
Ion Ratio Lower Upper
112 100
64 64.8 53.1 79.7
63 32.7 26.6 40.0





#7
Phenol-d6
Concen: 34.204 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

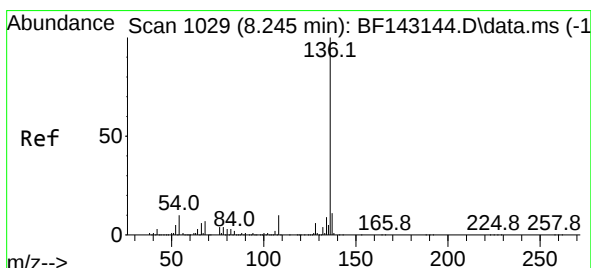
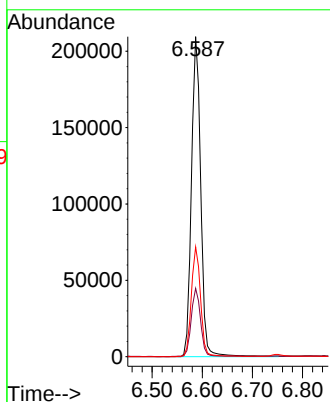
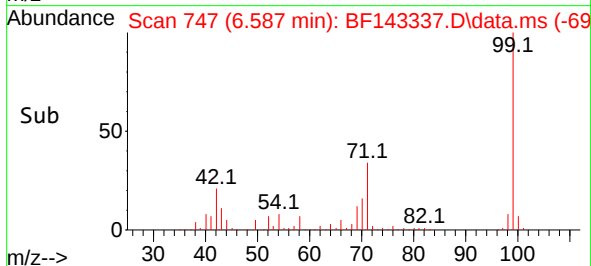
Instrument :
BNA_F
ClientSampleId :
248



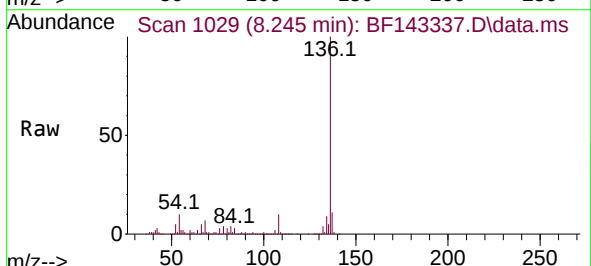
Tgt Ion: 99 Resp: 269718
Ion Ratio Lower Upper
99 100
42 21.3 17.0 25.6
71 34.3 27.7 41.5

Manual Integrations
APPROVED

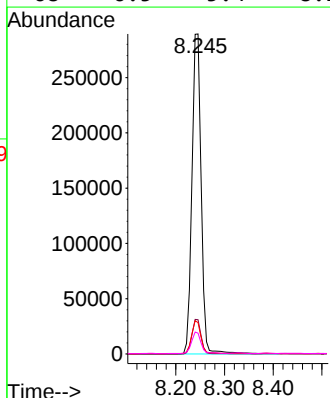
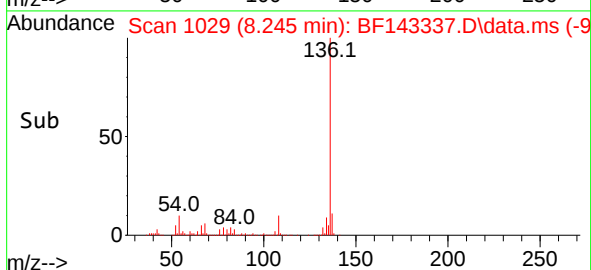
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

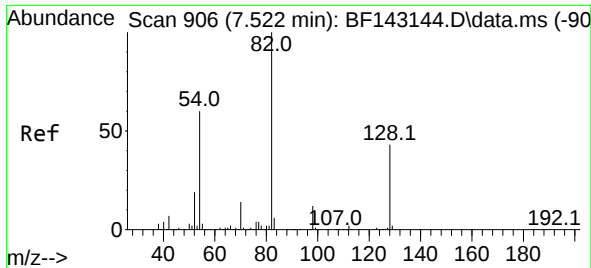


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40



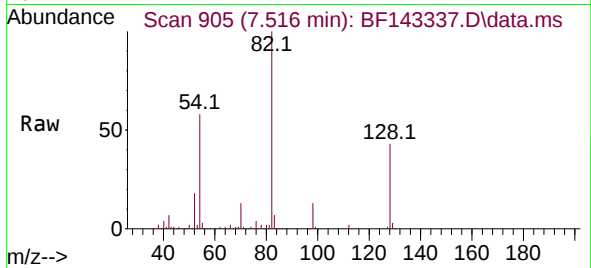
Tgt Ion:136 Resp: 384468
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 9.8 8.2 12.2
68 6.5 5.4 8.2





#23
Nitrobenzene-d5
Concen: 23.283 ng
RT: 7.516 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

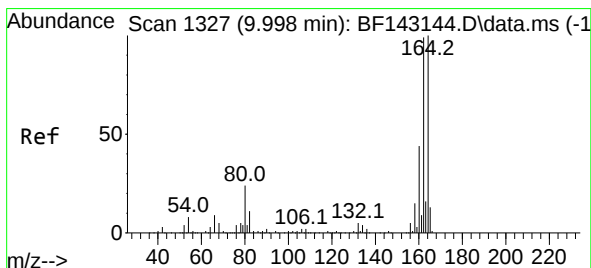
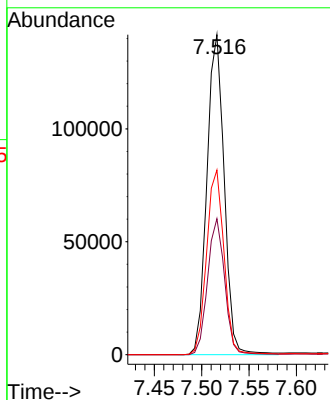
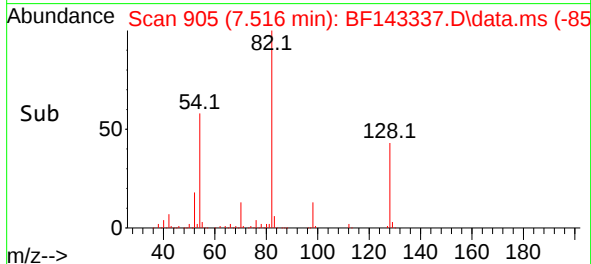
Instrument :
BNA_F
ClientSampleId :
248



Tgt Ion: 82 Resp: 17958
Ion Ratio Lower Upper
82 100
128 42.5 33.6 50.4
54 57.7 47.1 70.7

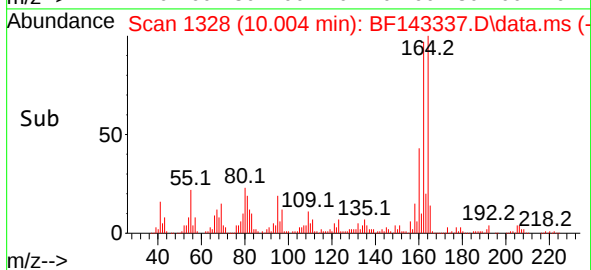
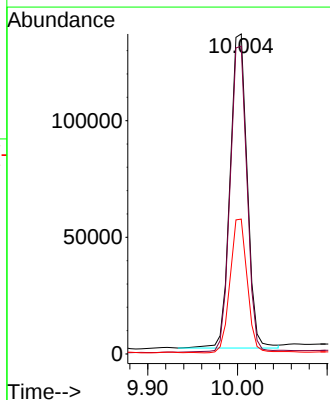
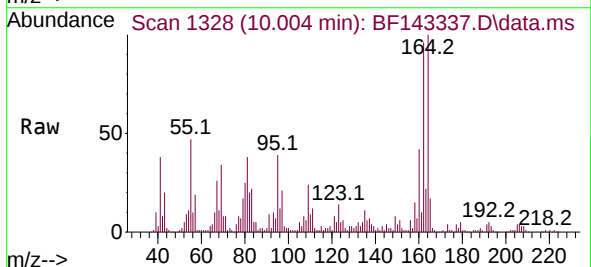
Manual Integrations
APPROVED

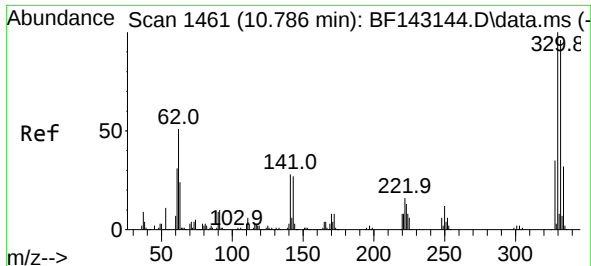
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

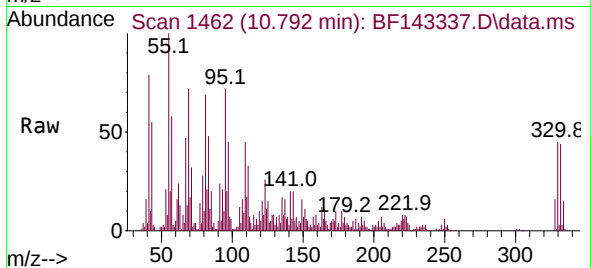
Tgt Ion:164 Resp: 178183
Ion Ratio Lower Upper
164 100
162 96.2 79.0 118.6
160 42.2 35.1 52.7





#42
2,4,6-Tribromophenol
Concen: 26.975 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

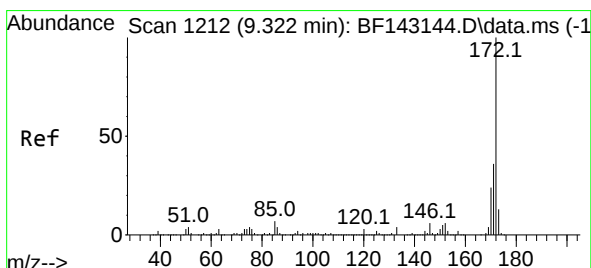
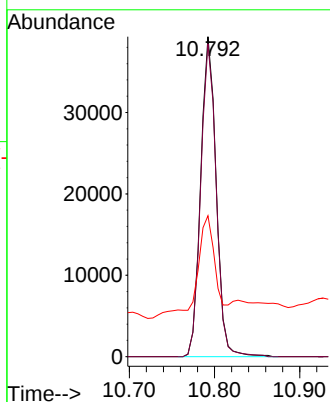
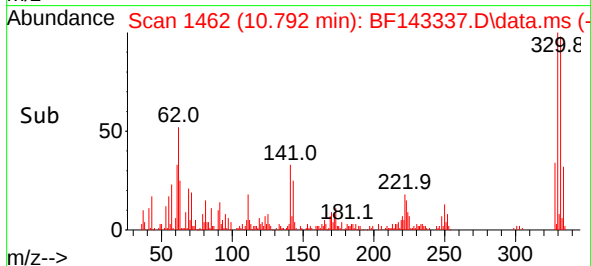
Instrument :
BNA_F
ClientSampleId :
248



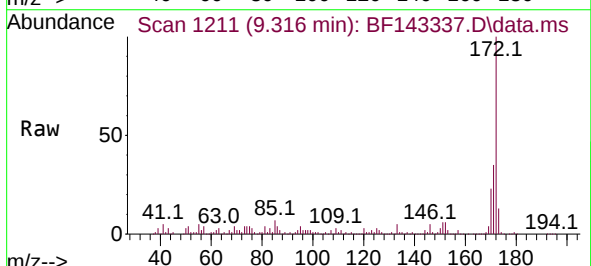
Tgt Ion: 330 Resp: 4965
Ion Ratio Lower Upper
330 100
332 97.8 76.7 115.1
141 37.9 23.3 34.9

Manual Integrations
APPROVED

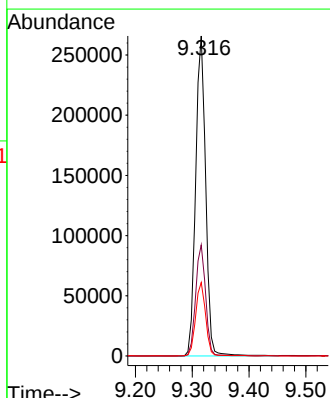
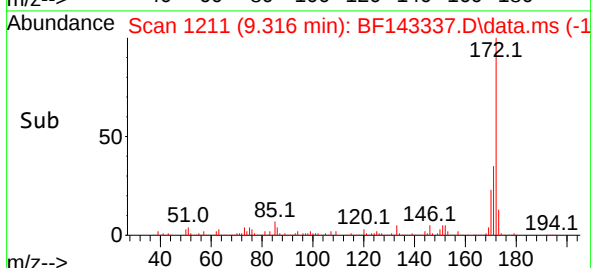
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025

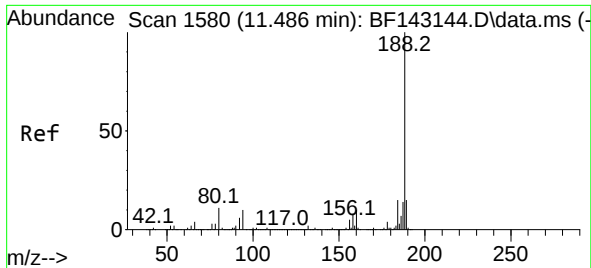


#45
2-Fluorobiphenyl
Concen: 25.213 ng
RT: 9.316 min Scan# 1211
Delta R.T. -0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40



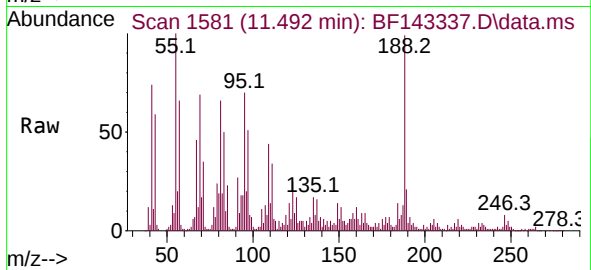
Tgt Ion: 172 Resp: 328486
Ion Ratio Lower Upper
172 100
171 34.7 28.6 42.8
170 22.9 18.8 28.2





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.492 min Scan# 1580
Delta R.T. 0.006 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

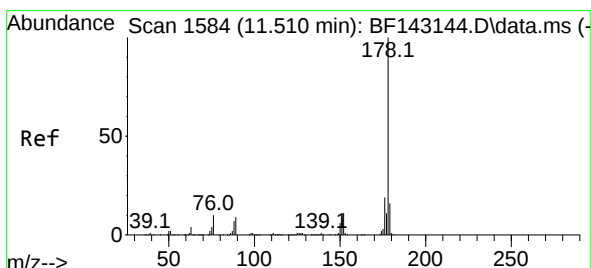
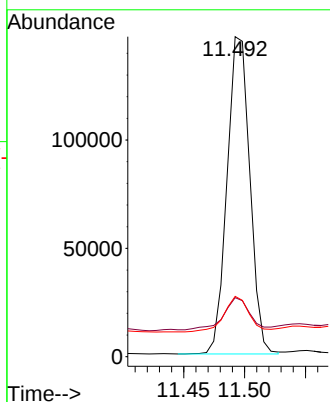
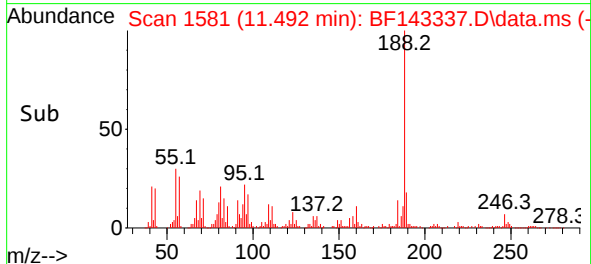
Instrument :
BNA_F
ClientSampleId :
248



Tgt Ion:188 Resp: 191300
Ion Ratio Lower Upper
188 100
94 18.5 8.3 12.5#
80 18.8 9.0 13.6#

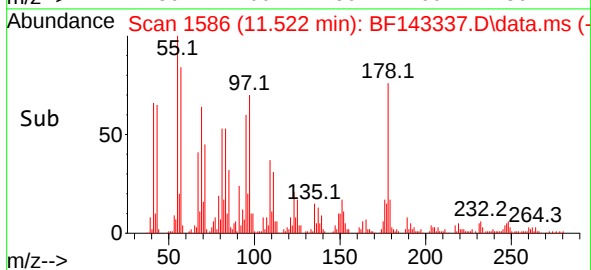
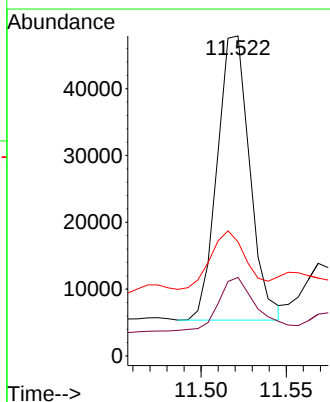
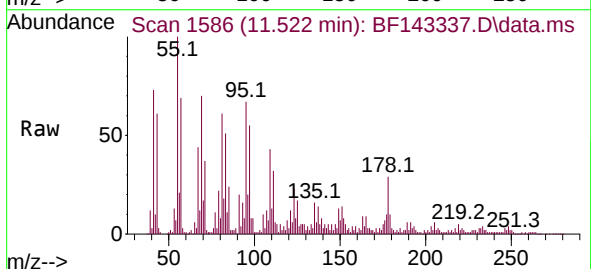
Manual Integrations
APPROVED

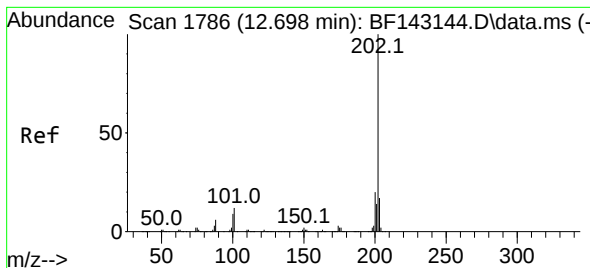
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#71
Phenanthrene
Concen: 5.569 ng
RT: 11.522 min Scan# 1586
Delta R.T. 0.012 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Tgt Ion:178 Resp: 56564
Ion Ratio Lower Upper
178 100
176 24.5 15.3 22.9#
179 35.6 12.5 18.7#





#75

Fluoranthene

Concen: 18.605 ng

RT: 12.722 min Scan# 1

Delta R.T. 0.024 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

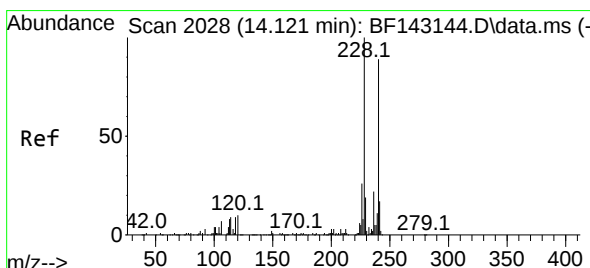
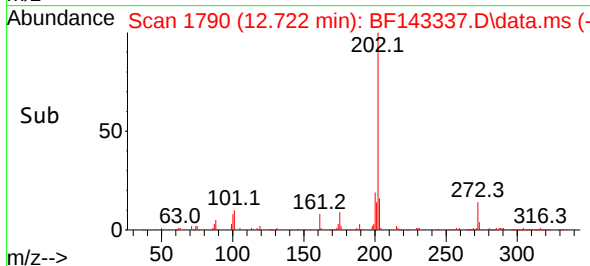
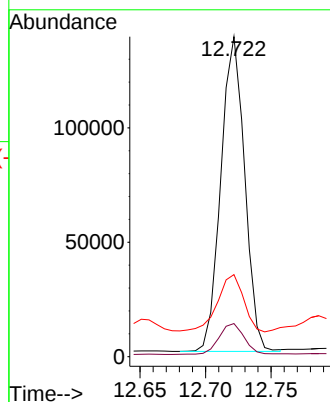
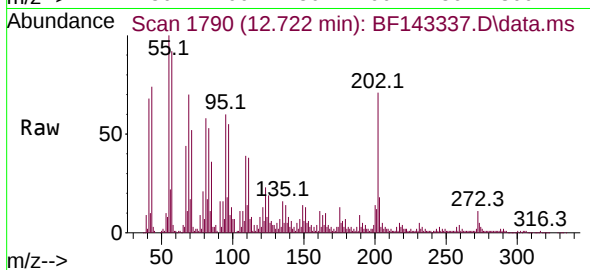
Tgt Ion:	202	Resp:	17346
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.7
203	25.7	0.0	37.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#76

Chrysene-d12

Concen: 20.000 ng

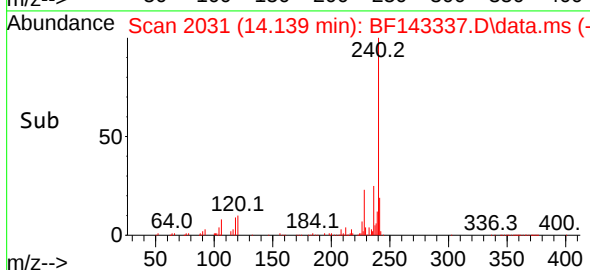
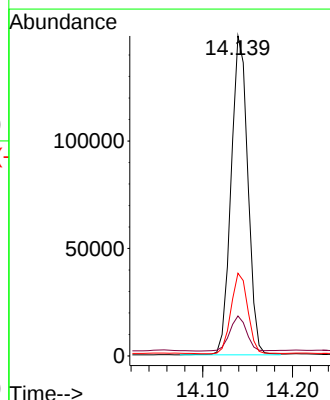
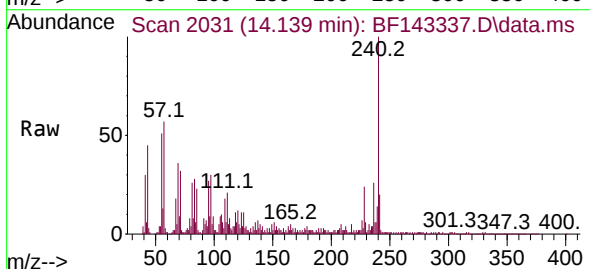
RT: 14.139 min Scan# 2031

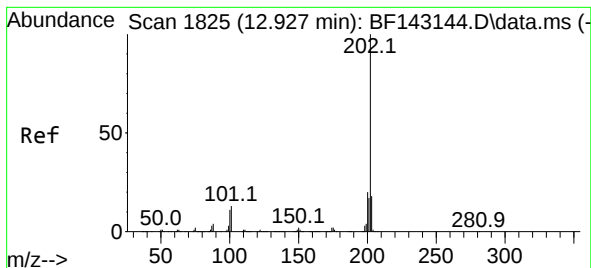
Delta R.T. 0.018 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Tgt Ion:	240	Resp:	191982
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.4	14.2
236	25.9	20.2	30.4





#78

Pyrene

Concen: 8.752 ng

RT: 12.951 min Scan# 1829

Delta R.T. 0.024 min

Lab File: BF143337.D

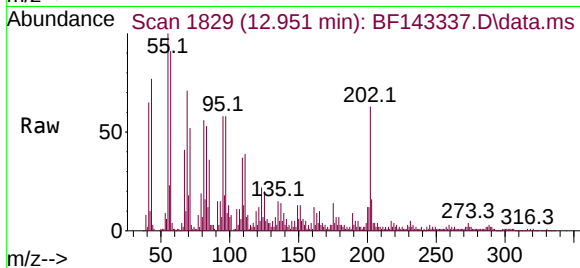
Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248



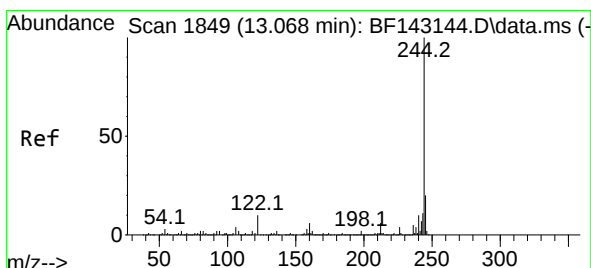
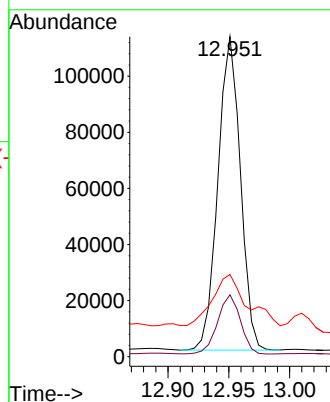
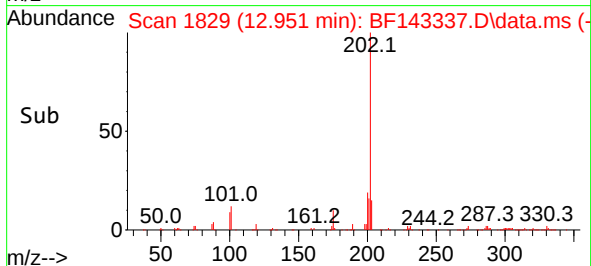
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.7	23.5
203	25.7	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#79

Terphenyl-d14

Concen: 18.053 ng

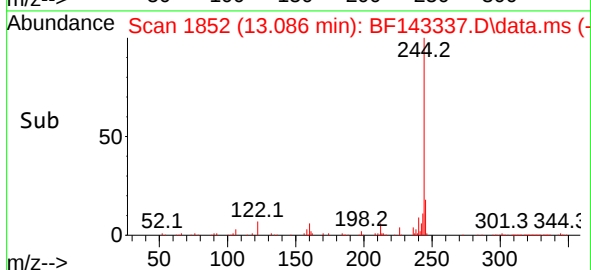
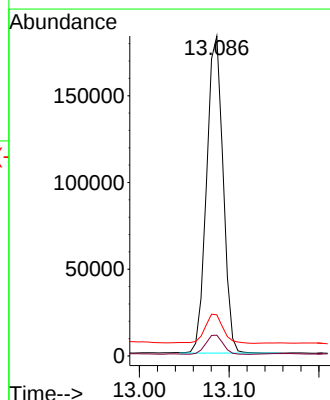
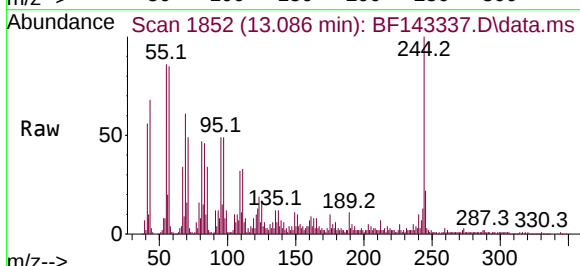
RT: 13.086 min Scan# 1852

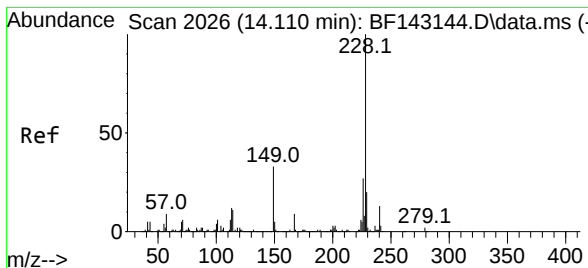
Delta R.T. 0.018 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.2	7.8
122	12.8	8.2	12.2





#81

Benzo(a)anthracene

Concen: 5.581 ng

RT: 14.133 min Scan# 2026

Delta R.T. 0.024 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

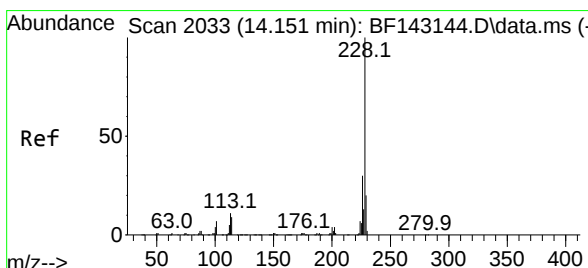
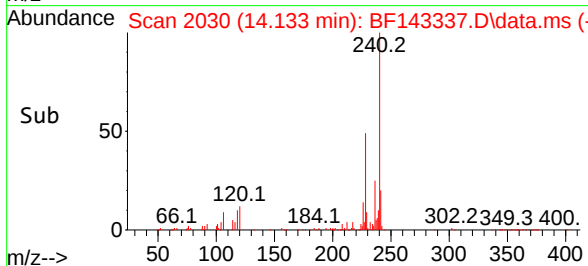
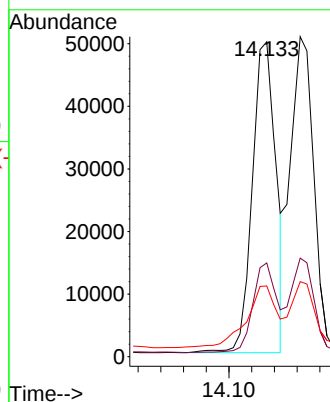
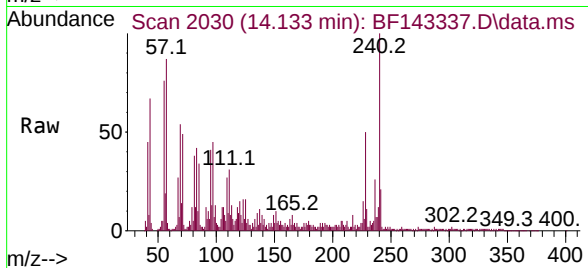
Tgt Ion:228 Resp: 7173
 Ion Ratio Lower Upper
 228 100
 226 29.8 21.7 32.5
 229 22.5 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#83

Chrysene

Concen: 6.202 ng m

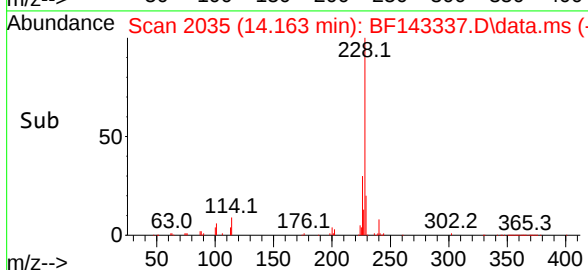
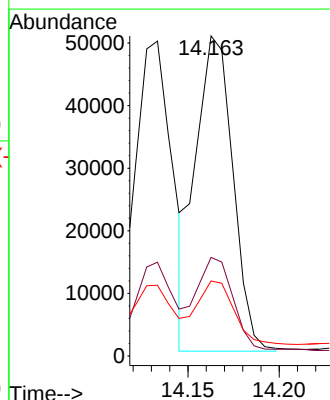
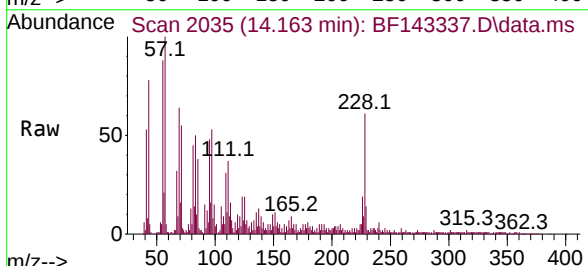
RT: 14.163 min Scan# 2035

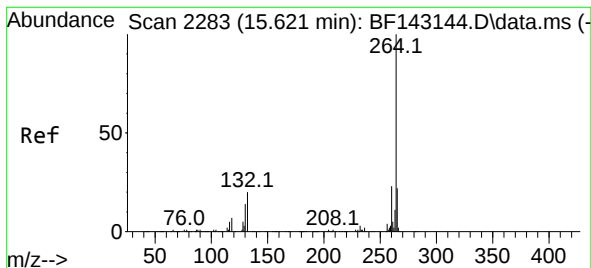
Delta R.T. 0.012 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

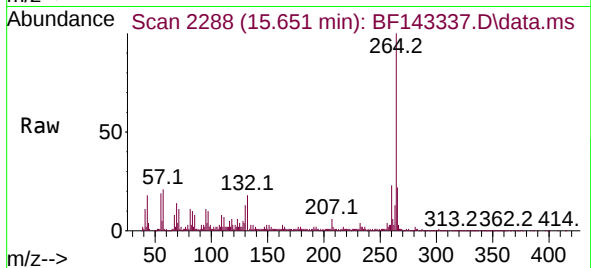
Tgt Ion:228 Resp: 71668
 Ion Ratio Lower Upper
 228 100
 226 30.8 23.8 35.8
 229 23.4 15.6 23.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.651 min Scan# 21
Delta R.T. 0.030 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

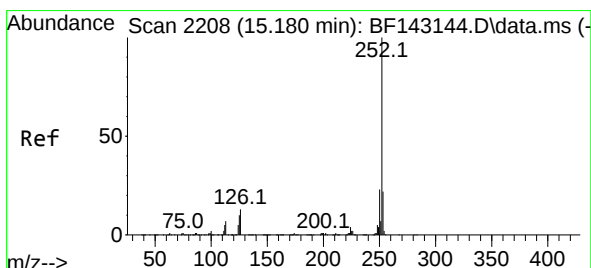
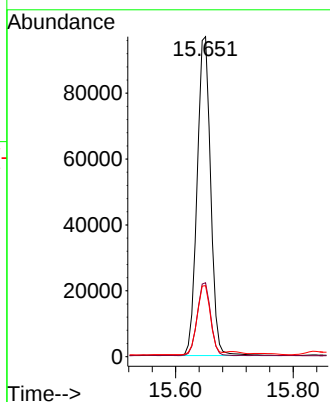
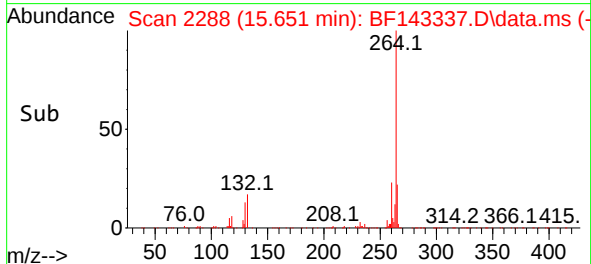
Instrument :
BNA_F
ClientSampleId :
248



Tgt Ion:264 Resp: 154050
Ion Ratio Lower Upper
264 100
260 23.1 18.5 27.7
265 22.2 17.4 26.2

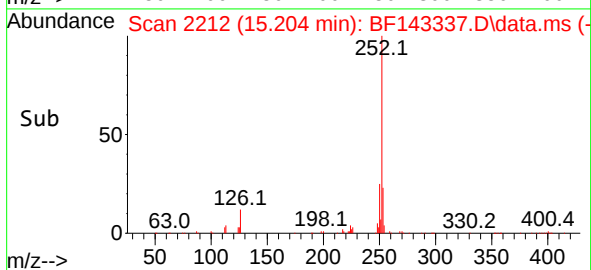
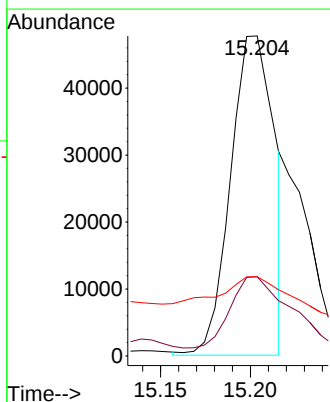
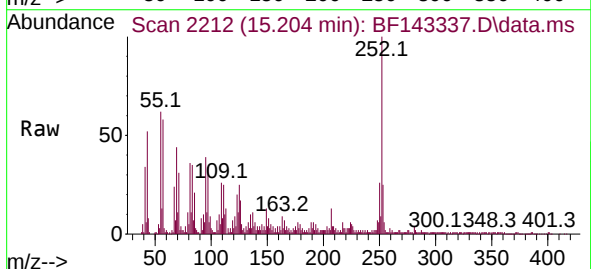
Manual Integrations
APPROVED

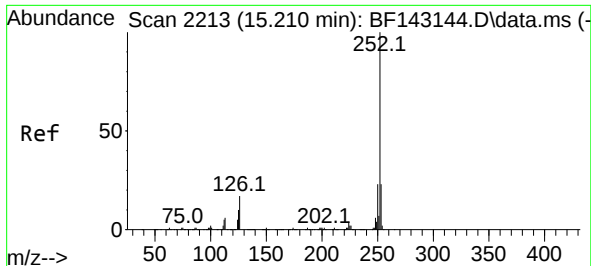
Reviewed By :Rahul Chavli 08/07/2025
Supervised By :Jagrut Upadhyay 08/07/2025



#88
Benzo(b)fluoranthene
Concen: 8.590 ng m
RT: 15.204 min Scan# 2212
Delta R.T. 0.024 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Tgt Ion:252 Resp: 80839
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 24.7 8.0 12.0#





#89

Benzo(k)fluoranthene

Concen: 3.641 ng m

RT: 15.216 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

Instrument :

BNA_F

ClientSampleId :

248

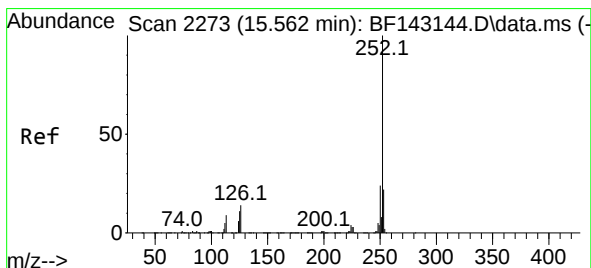
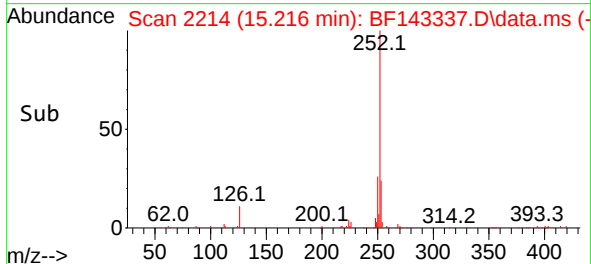
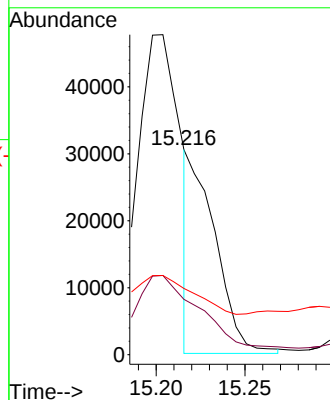
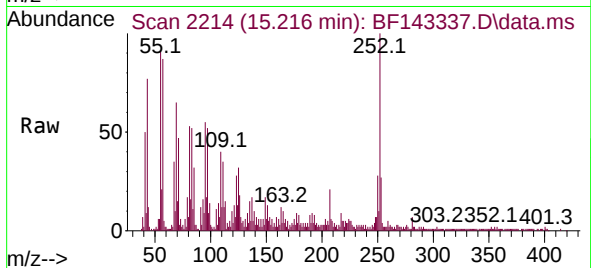
Tgt Ion:252 Resp: 30580
 Ion Ratio Lower Upper
 252 100
 253 27.0 17.8 26.6
 125 32.3 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/07/2025

Supervised By :Jagrut Upadhyay 08/07/2025



#90

Benzo(a)pyrene

Concen: 4.573 ng

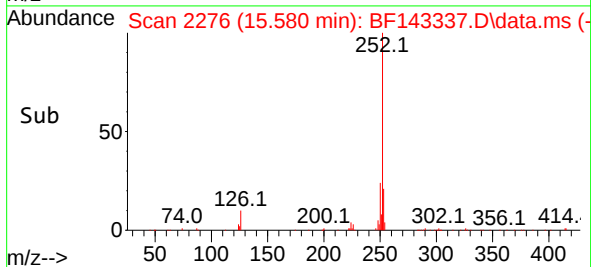
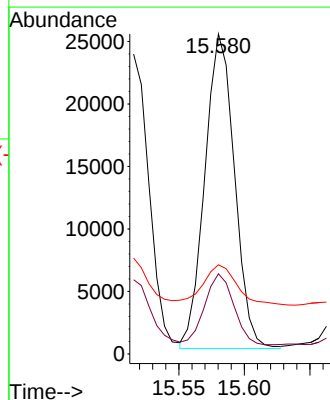
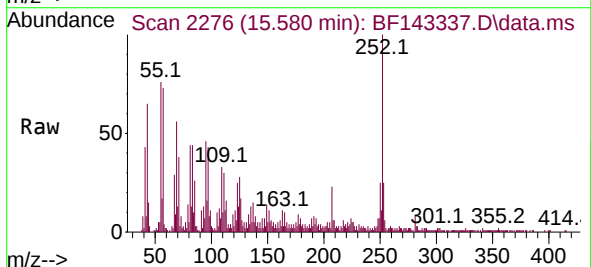
RT: 15.580 min Scan# 2276

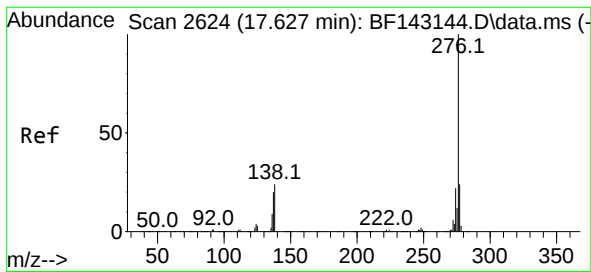
Delta R.T. 0.018 min

Lab File: BF143337.D

Acq: 06 Aug 2025 18:40

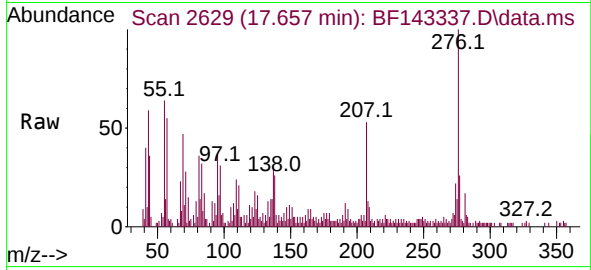
Tgt Ion:252 Resp: 39655
 Ion Ratio Lower Upper
 252 100
 253 25.1 17.3 25.9
 125 27.8 8.6 13.0





#92
Benzo(g,h,i)perylene
Concen: 2.726 ng
RT: 17.657 min Scan# 20
Delta R.T. 0.030 min
Lab File: BF143337.D
Acq: 06 Aug 2025 18:40

Instrument :
BNA_F
ClientSampleId :
248



Tgt Ion: 276 Resp: 2331
Ion Ratio Lower Upper
276 100
277 25.8 19.1 28.7
138 25.9 18.9 28.3

Manual Integrations
APPROVED

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

