

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
 Data File : BF141158.D
 Acq On : 14 Jan 2025 20:49
 Operator : RC/JU
 Sample : Q1068-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-06-1-10-2025

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/15/2025
 Supervised By :Jagrut Upadhyay 01/15/2025

Quant Time: Jan 15 00:14:40 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	147048	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	563658	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	266614	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	364404	20.000	ng	0.00
76) Chrysene-d12	13.980	240	302951	20.000	ng	0.00
86) Perylene-d12	15.451	264	284291	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	561924	59.033	ng	0.00
7) Phenol-d6	6.440	99	809883	67.167	ng	0.00
23) Nitrobenzene-d5	7.375	82	524697	49.344	ng	-0.01
42) 2,4,6-Tribromophenol	10.639	330	62412	20.545	ng	-0.01
45) 2-Fluorobiphenyl	9.175	172	959733	54.969	ng	0.00
79) Terphenyl-d14	12.928	244	774969	38.021	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.716	152	118963	5.163	ng	99
71) Phenanthrene	11.363	178	114027	5.829	ng	99
72) Anthracene	11.416	178	89504	4.705	ng	99
75) Fluoranthene	12.557	202	167487	8.579	ng	99
78) Pyrene	12.780	202	272660	9.423	ng	98
81) Benzo(a)anthracene	13.975	228	148615	7.208	ng	# 75
83) Chrysene	14.010	228	117661	6.099	ng	# 91
87) Indeno(1,2,3-cd)pyrene	16.898	276	120982m	5.809	ng	
88) Benzo(b)fluoranthene	15.027	252	190756m	10.406	ng	
89) Benzo(k)fluoranthene	15.039	252	74712m	4.823	ng	
90) Benzo(a)pyrene	15.386	252	194605	12.867	ng	98
92) Benzo(g,h,i)perylene	17.339	276	155718	8.887	ng	98

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

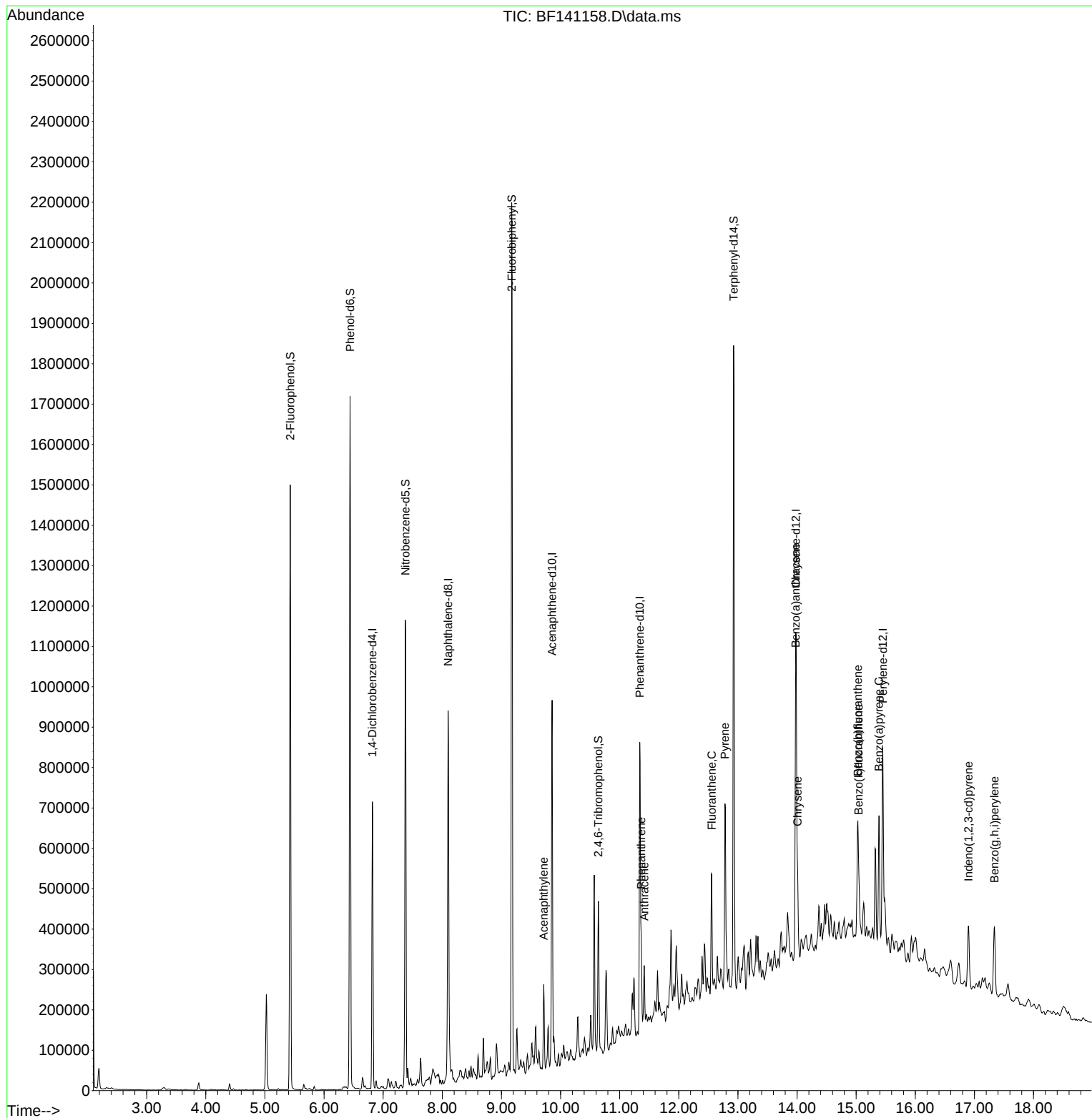
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011425\
Data File : BF141158.D
Acq On : 14 Jan 2025 20:49
Operator : RC/JU
Sample : Q1068-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

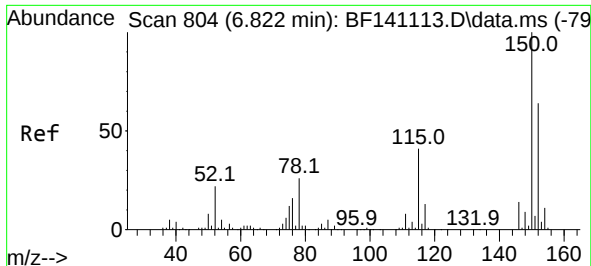
Instrument :
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Quant Time: Jan 15 00:14:40 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
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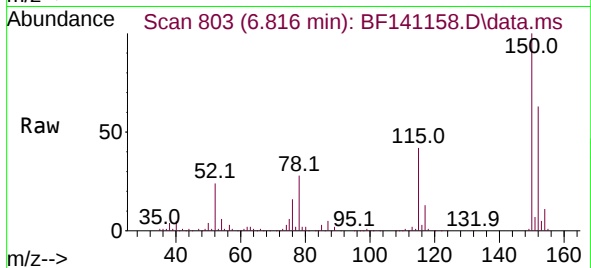
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

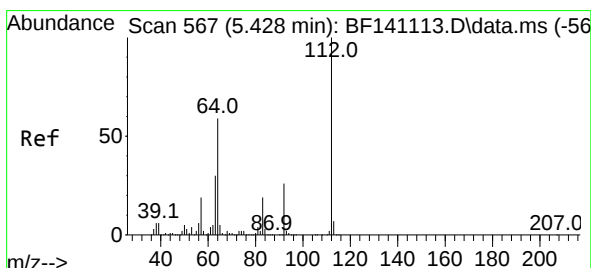
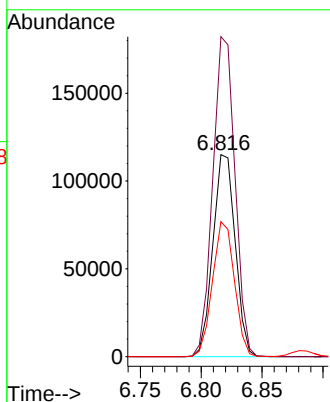
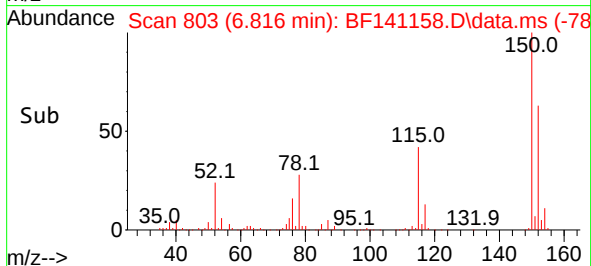
Instrument :
BNA_F
ClientSampleId :
TR-06-1-10-2025



Tgt Ion:152 Resp: 147048
Ion Ratio Lower Upper
152 100
150 158.3 125.8 188.8
115 66.8 51.4 77.2

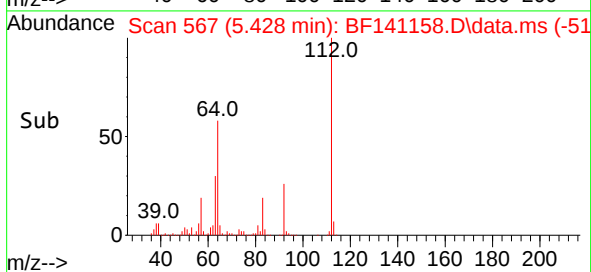
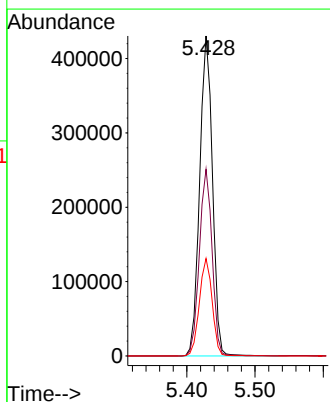
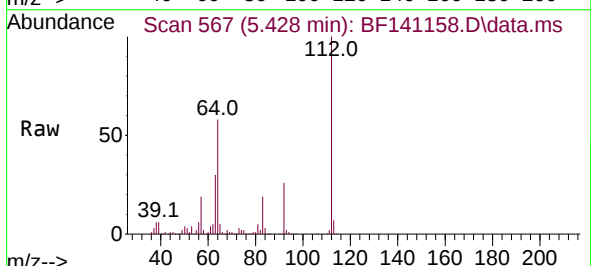
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Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#5
2-Fluorophenol
Concen: 59.033 ng
RT: 5.428 min Scan# 567
Delta R.T. 0.000 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

Tgt Ion:112 Resp: 561924
Ion Ratio Lower Upper
112 100
64 58.3 47.3 70.9
63 30.5 24.2 36.2





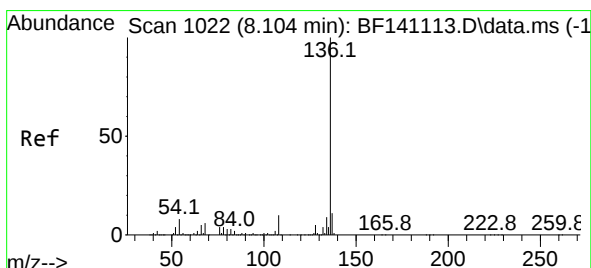
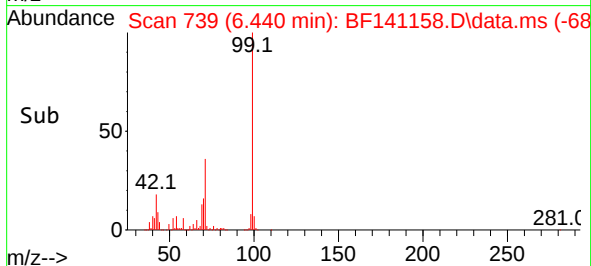
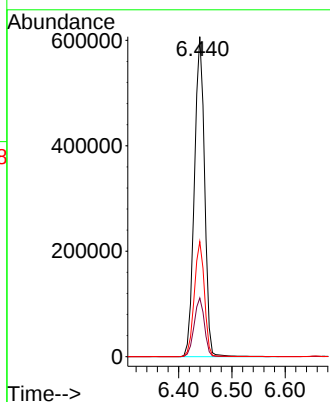
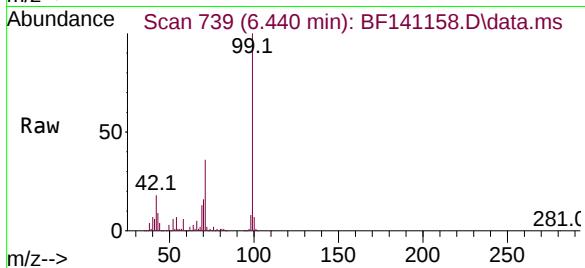
#7
Phenol-d6
Concen: 67.167 ng
RT: 6.440 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

Instrument :
BNA_F
ClientSampleId :
TR-06-1-10-2025

Tgt Ion: 99 Resp: 80988
Ion Ratio Lower Upper
99 100
42 18.4 15.0 22.4
71 36.0 27.6 41.4

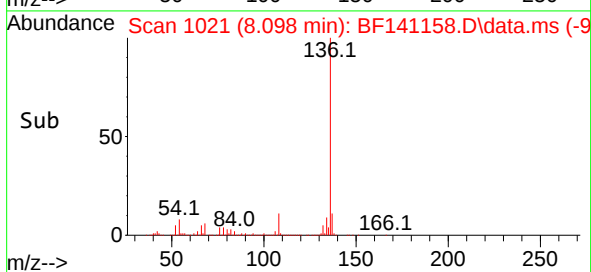
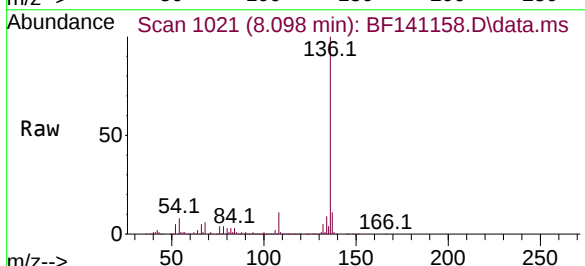
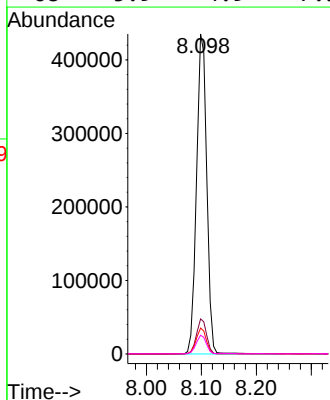
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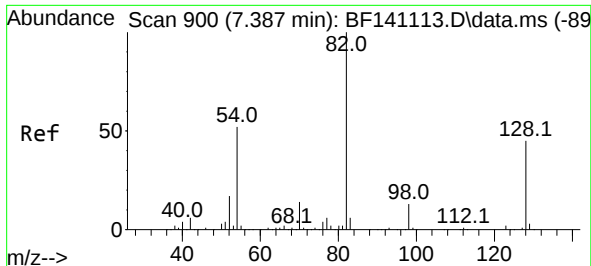
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

Tgt Ion:136 Resp: 563658
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.1 6.3 9.5
68 5.9 4.9 7.3





#23

Nitrobenzene-d5

Concen: 49.344 ng

RT: 7.375 min Scan# 898

Delta R.T. -0.012 min

Lab File: BF141158.D

Acq: 14 Jan 2025 20:49

Instrument :

BNA_F

ClientSampleId :

TR-06-1-10-2025

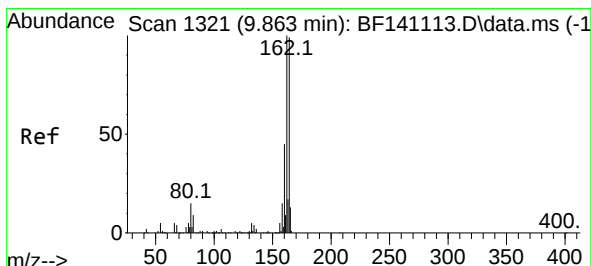
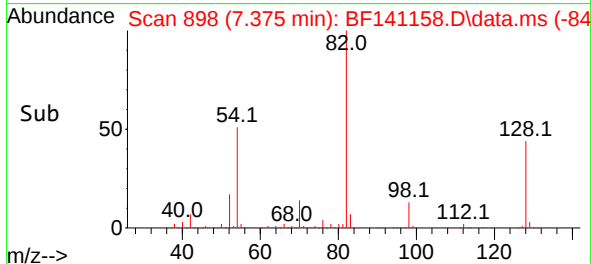
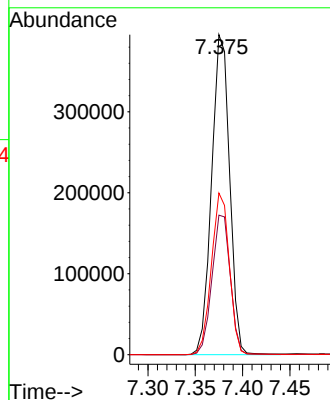
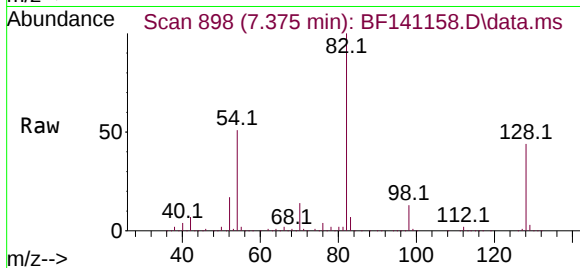
Tgt Ion:	82	Resp:	52469
Ion Ratio	Lower	Upper	
82	100		
128	43.6	36.1	54.1
54	50.5	41.0	61.4

Manual Integrations

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Supervised By :Jagrut Upadhyay 01/15/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

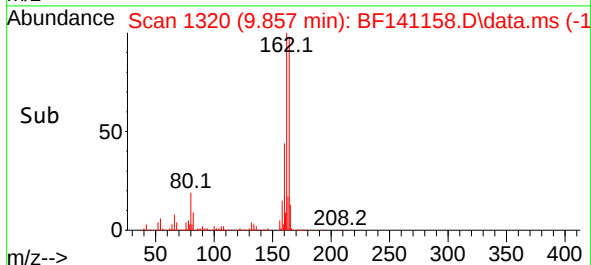
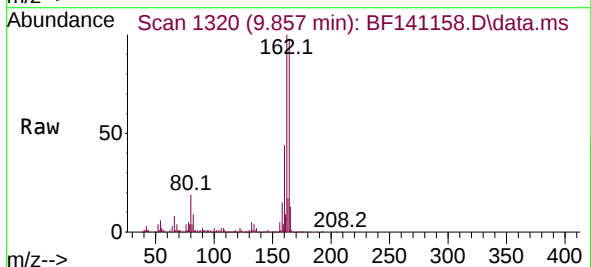
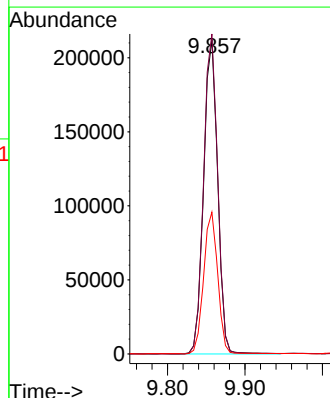
RT: 9.857 min Scan# 1320

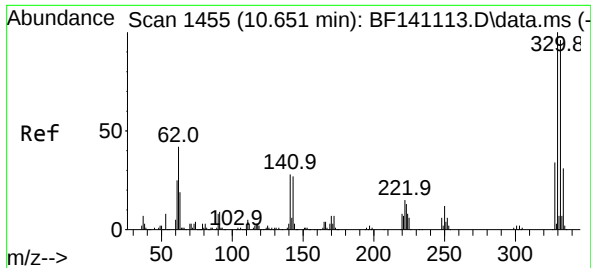
Delta R.T. -0.006 min

Lab File: BF141158.D

Acq: 14 Jan 2025 20:49

Tgt Ion:	164	Resp:	266614
Ion Ratio	Lower	Upper	
164	100		
162	101.8	81.0	121.4
160	45.1	36.1	54.1





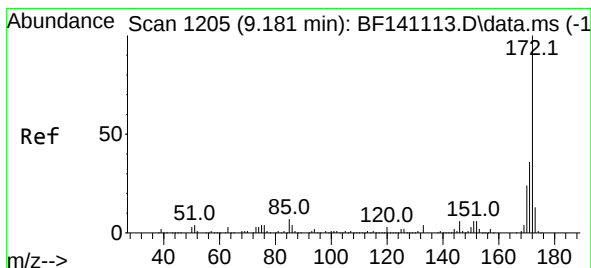
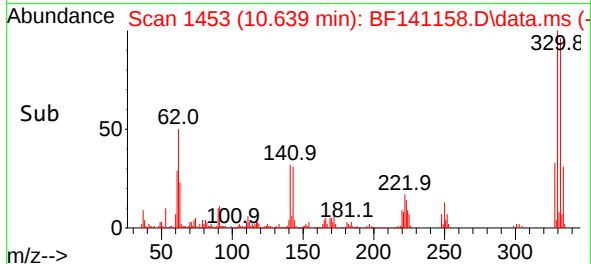
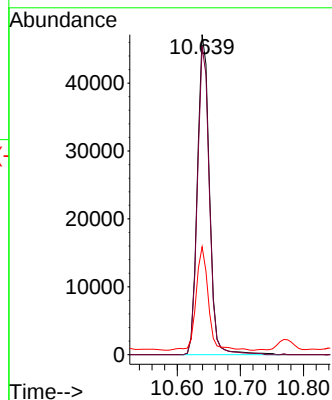
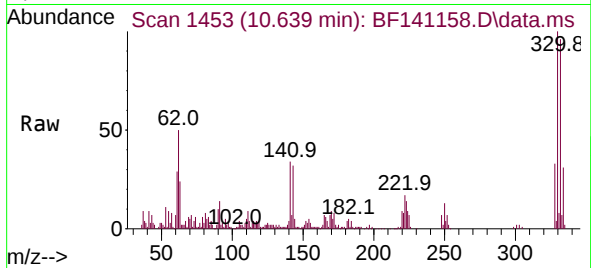
#42
2,4,6-Tribromophenol
Concen: 20.545 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

Instrument :
BNA_F
ClientSampleId :
TR-06-1-10-2025

Tgt Ion: 330 Resp: 6241
Ion Ratio Lower Upper
330 100
332 95.4 76.9 115.3
141 32.6 25.2 37.8

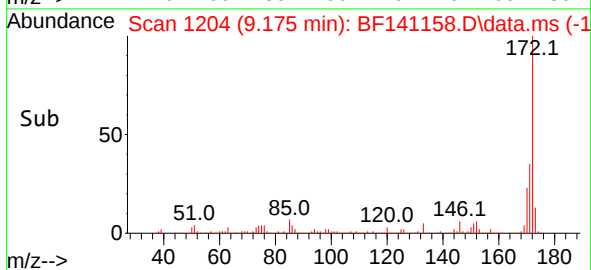
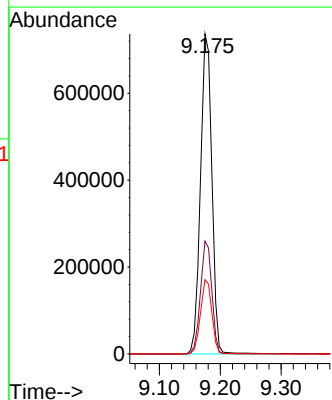
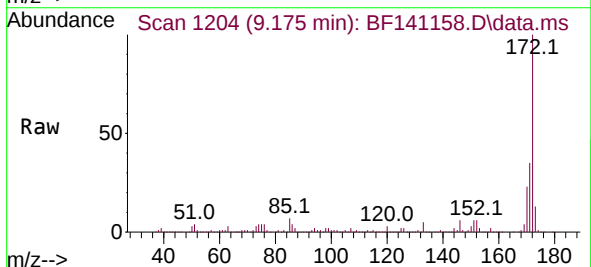
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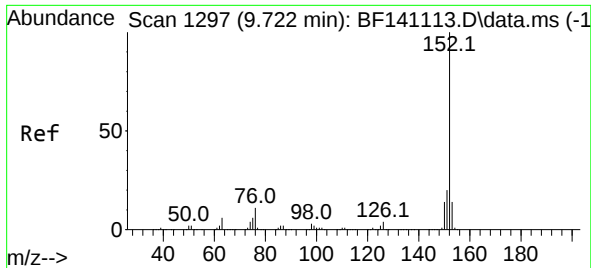
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#45
2-Fluorobiphenyl
Concen: 54.969 ng
RT: 9.175 min Scan# 1204
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

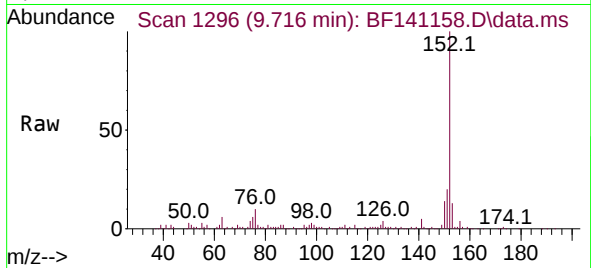
Tgt Ion: 172 Resp: 959733
Ion Ratio Lower Upper
172 100
171 35.2 28.7 43.1
170 23.2 19.0 28.6





#49
Acenaphthylene
Concen: 5.163 ng
RT: 9.716 min Scan# 11896
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

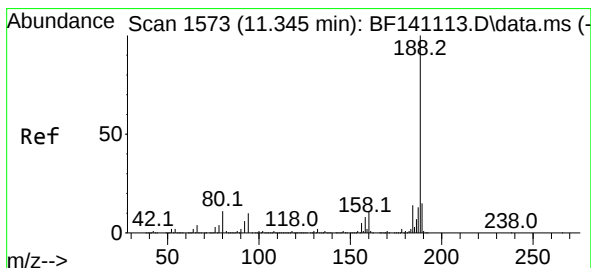
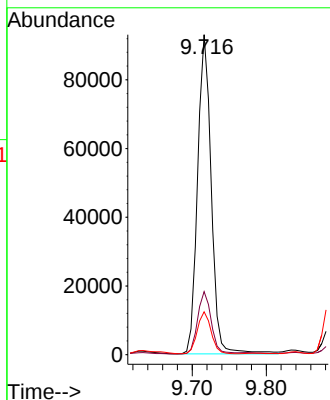
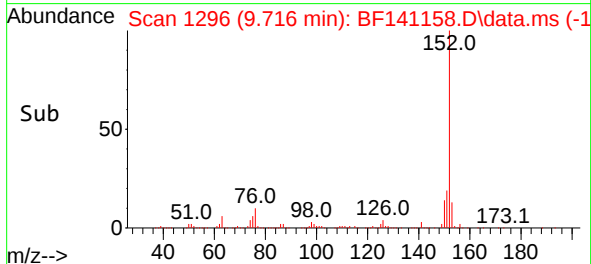
Instrument :
BNA_F
ClientSampleId :
TR-06-1-10-2025



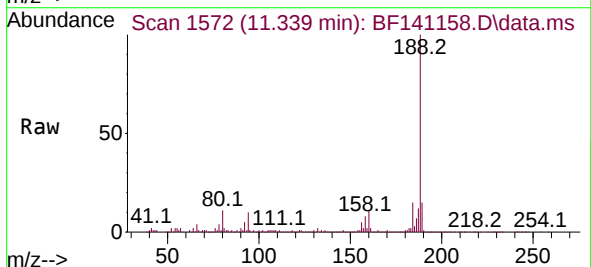
Tgt Ion:152 Resp: 11896
Ion Ratio Lower Upper
152 100
151 19.7 16.1 24.1
153 13.4 11.1 16.7

Manual Integrations
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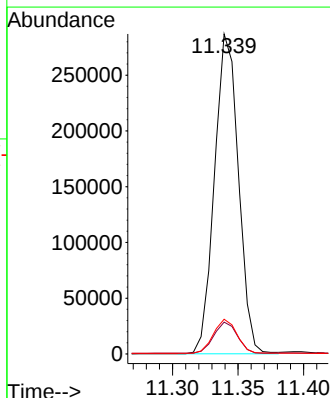
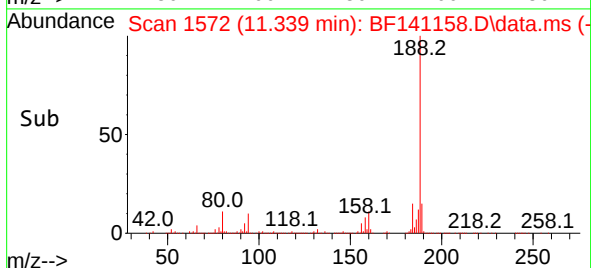
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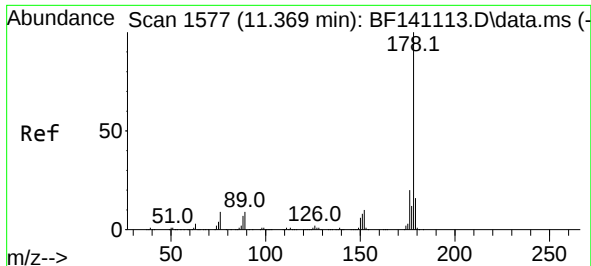


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49



Tgt Ion:188 Resp: 364404
Ion Ratio Lower Upper
188 100
94 10.0 8.3 12.5
80 10.9 9.0 13.4





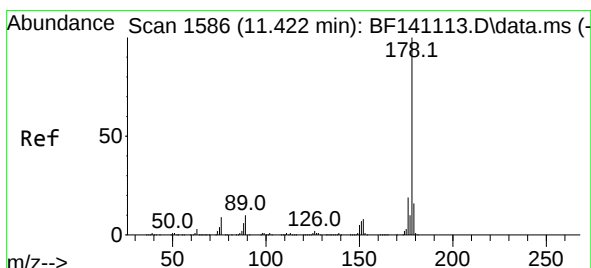
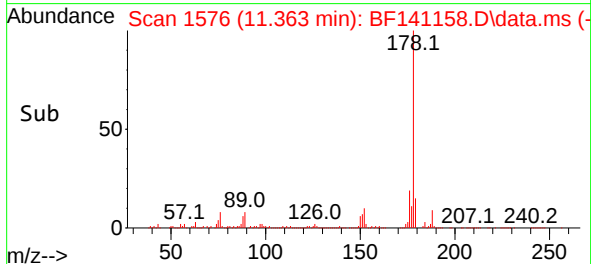
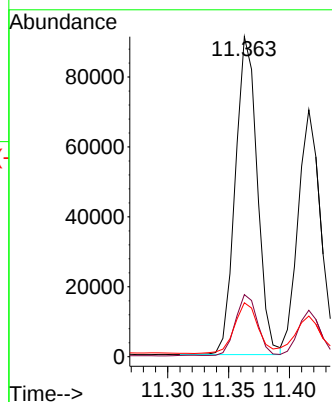
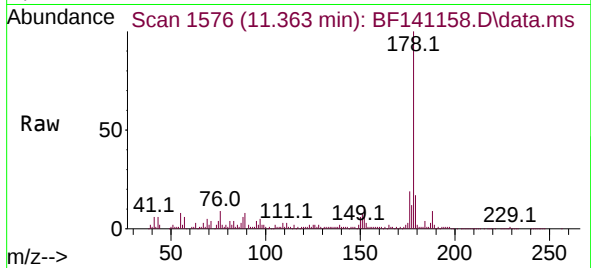
#71
Phenanthrene
Concen: 5.829 ng
RT: 11.363 min Scan# 11402
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

Instrument :
BNA_F
ClientSampleId :
TR-06-1-10-2025

Tgt Ion:178 Resp: 11402
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 16.9 12.6 19.0

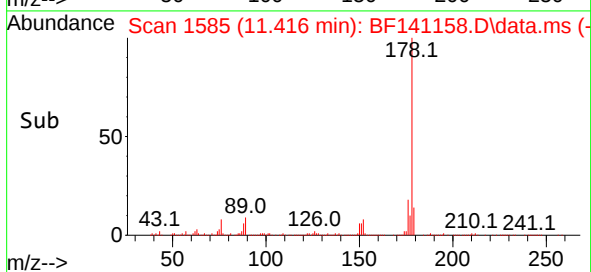
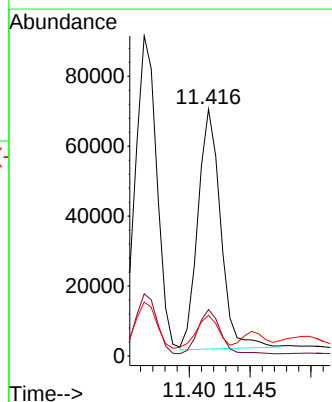
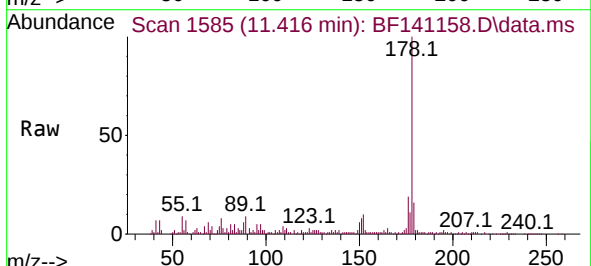
Manual Integrations
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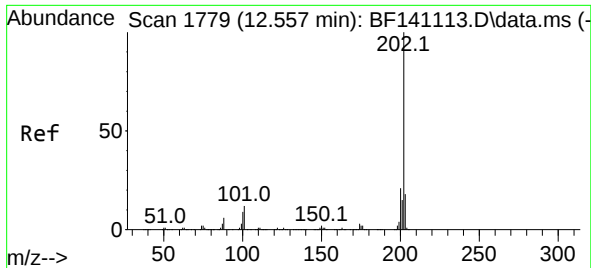
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#72
Anthracene
Concen: 4.705 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

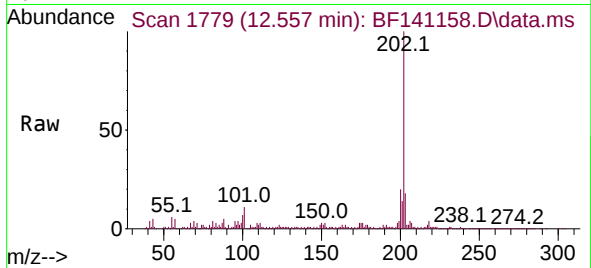
Tgt Ion:178 Resp: 89504
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 16.5 12.6 19.0





#75
Fluoranthene
Concen: 8.579 ng
RT: 12.557 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

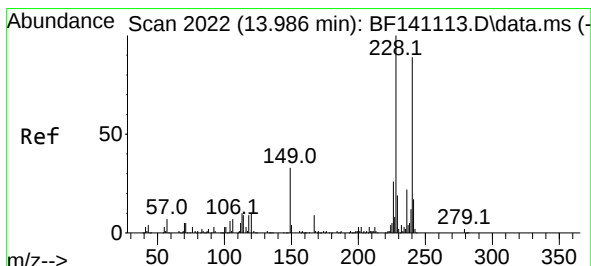
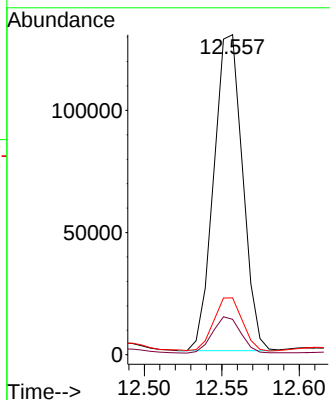
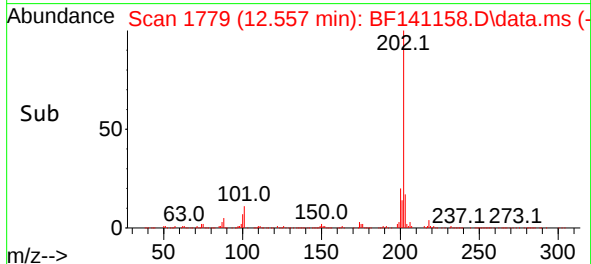
Instrument :
BNA_F
ClientSampleId :
TR-06-1-10-2025



Tgt Ion:202 Resp: 16748
Ion Ratio Lower Upper
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101 11.1 0.0 32.3
203 17.7 0.0 37.7

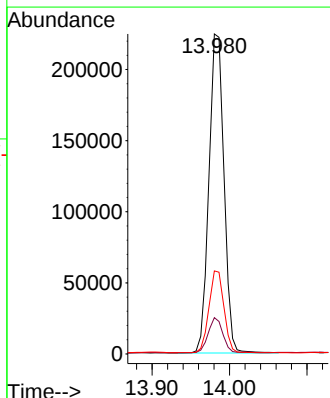
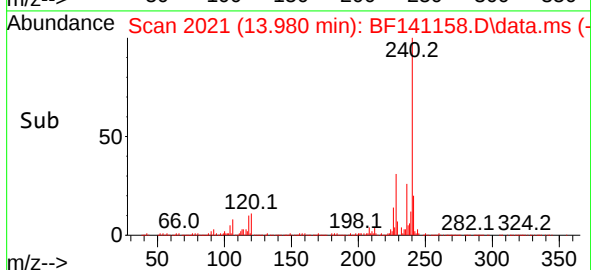
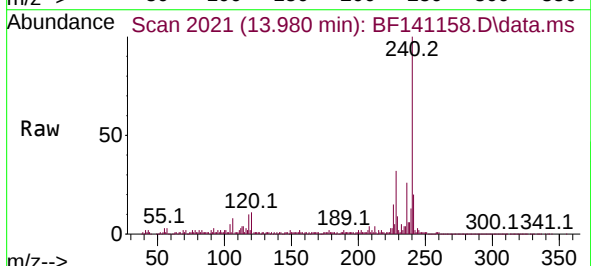
Manual Integrations
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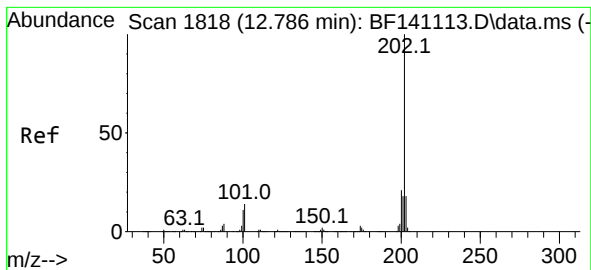
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

Tgt Ion:240 Resp: 302951
Ion Ratio Lower Upper
240 100
120 11.4 9.1 13.7
236 26.0 19.8 29.6





#78

Pyrene

Concen: 9.423 ng

RT: 12.780 min Scan# 1818

Delta R.T. -0.006 min

Lab File: BF141158.D

Acq: 14 Jan 2025 20:49

Instrument :

BNA_F

ClientSampleId :

TR-06-1-10-2025

Tgt Ion:202 Resp: 272660

Ion Ratio Lower Upper

202 100

200 20.3 16.8 25.2

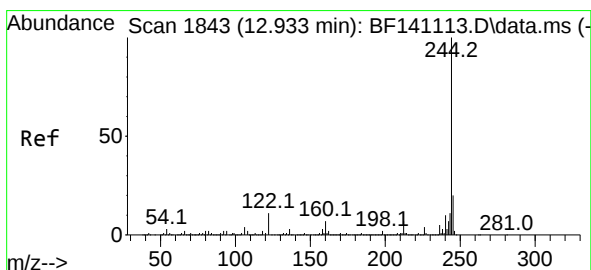
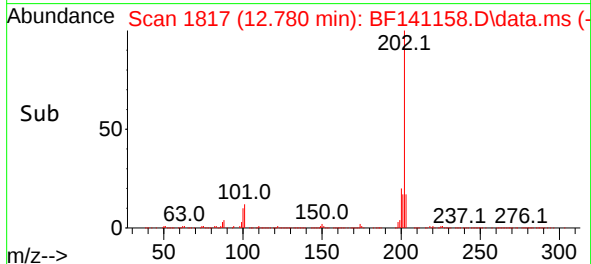
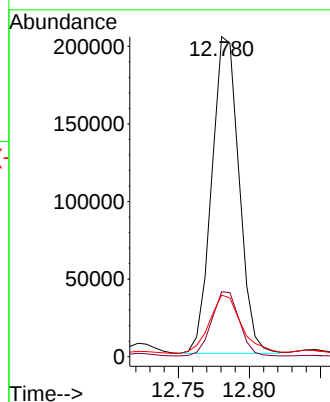
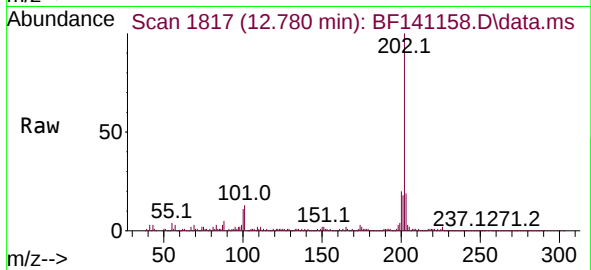
203 19.3 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/15/2025

Supervised By :Jagrut Upadhyay 01/15/2025



#79

Terphenyl-d14

Concen: 38.021 ng

RT: 12.928 min Scan# 1842

Delta R.T. -0.006 min

Lab File: BF141158.D

Acq: 14 Jan 2025 20:49

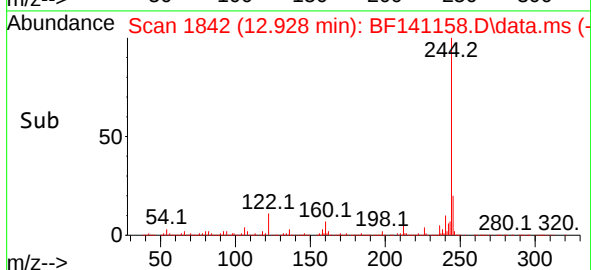
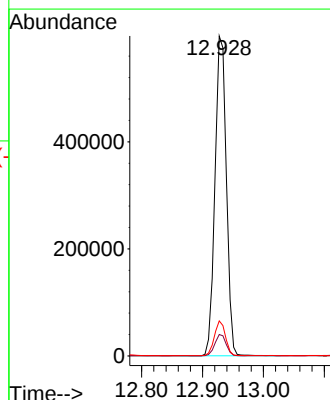
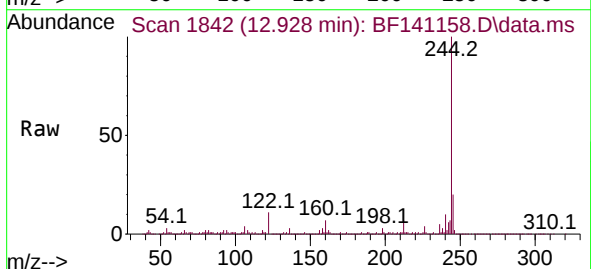
Tgt Ion:244 Resp: 774969

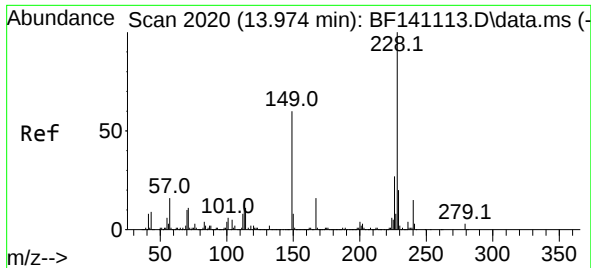
Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.2

122 11.0 8.8 13.2





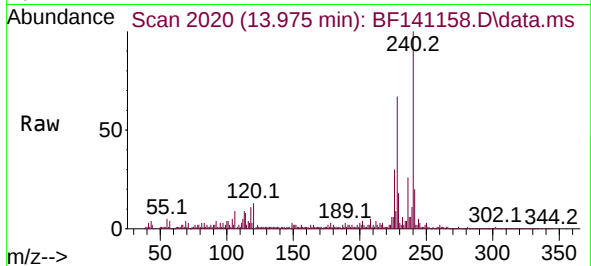
#81
Benzo(a)anthracene
Concen: 7.208 ng
RT: 13.975 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

Instrument :

BNA_F

ClientSampleId :

TR-06-1-10-2025



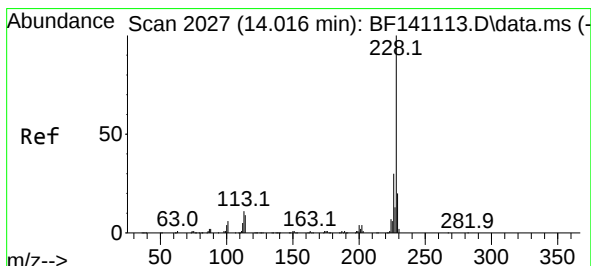
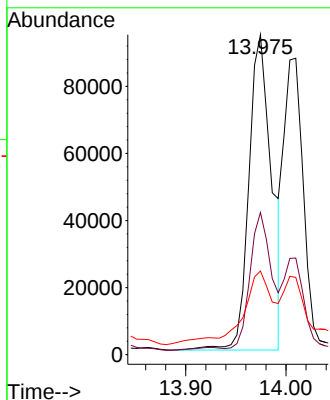
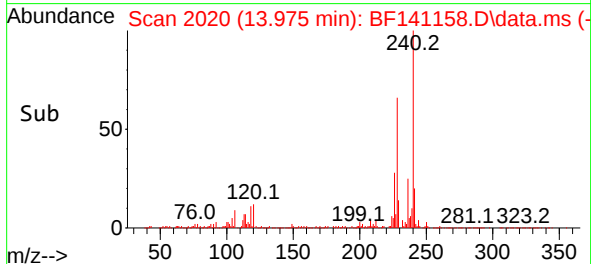
Tgt Ion:228 Resp: 148615
Ion Ratio Lower Upper
228 100
226 44.4 21.7 32.5
229 26.2 15.7 23.5

Manual Integrations

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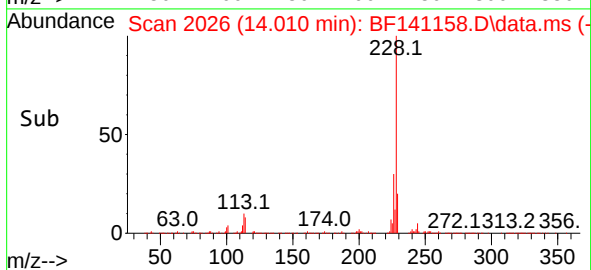
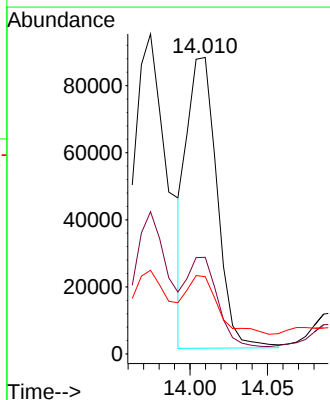
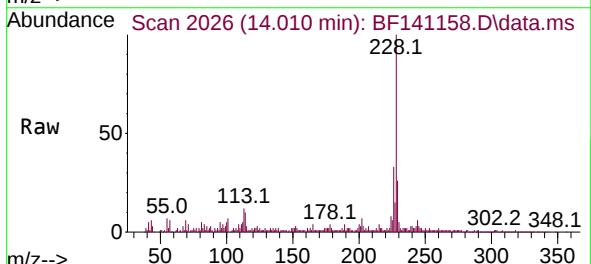
Reviewed By :Yogesh Patel 01/15/2025

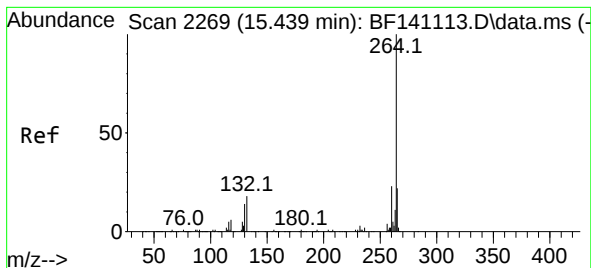
Supervised By :Jagrut Upadhyay 01/15/2025



#83
Chrysene
Concen: 6.099 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

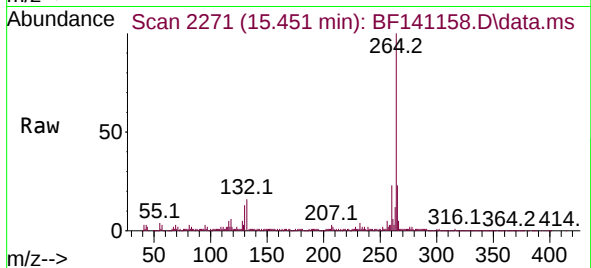
Tgt Ion:228 Resp: 117661
Ion Ratio Lower Upper
228 100
226 32.6 23.8 35.8
229 26.1 15.8 23.8#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

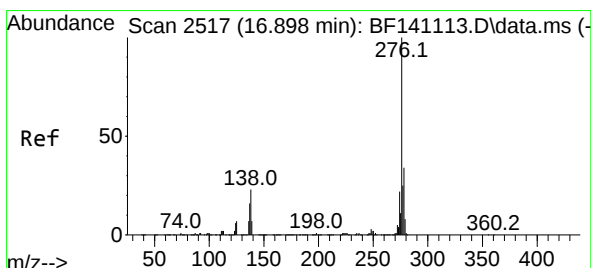
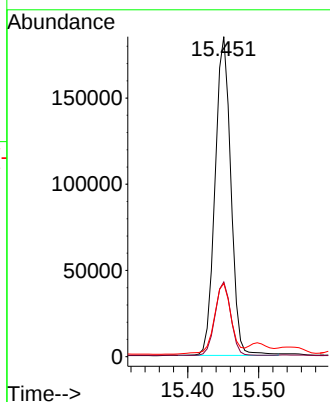
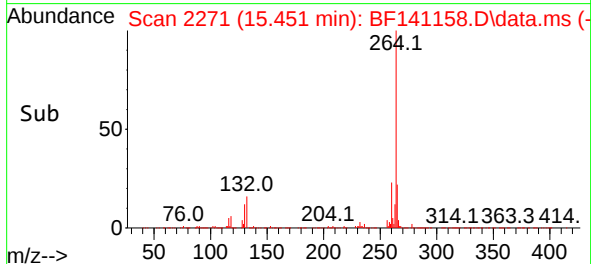
Instrument :
BNA_F
ClientSampleId :
TR-06-1-10-2025



Tgt Ion:264 Resp: 28429
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 22.9 17.4 26.0

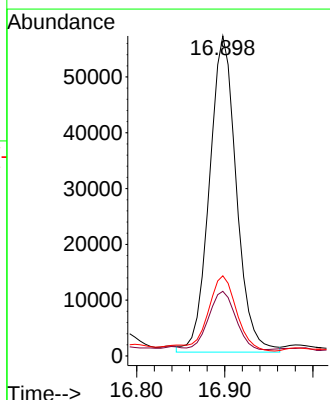
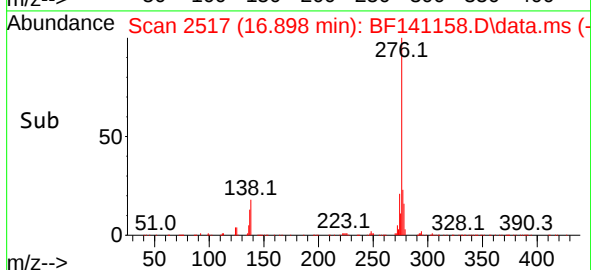
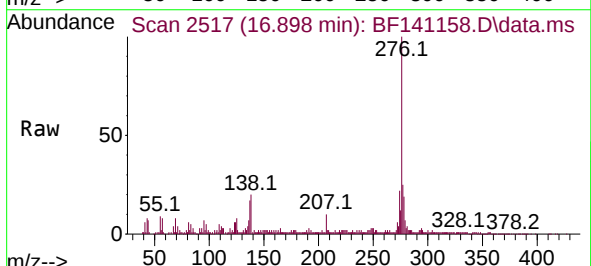
Manual Integrations
APPROVED

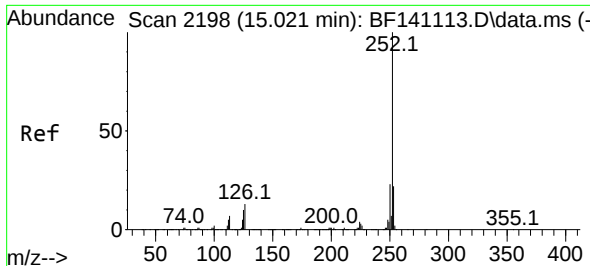
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 5.809 ng m
RT: 16.898 min Scan# 2517
Delta R.T. 0.000 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

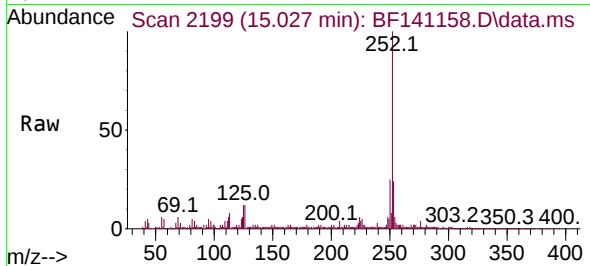
Tgt Ion:276 Resp: 120982
Ion Ratio Lower Upper
276 100
138 4.8 20.7 31.1#
277 6.1 20.6 30.8#





#88
Benzo(b)fluoranthene
Concen: 10.406 ng m
RT: 15.027 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

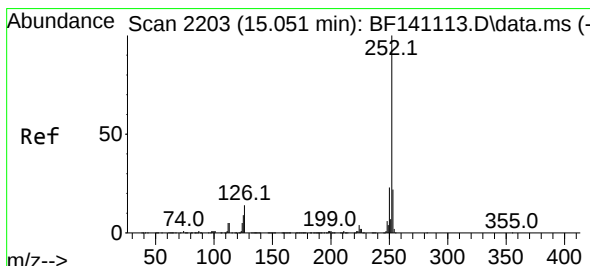
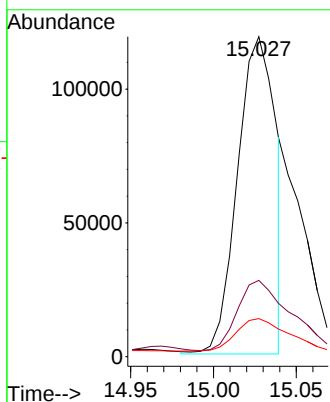
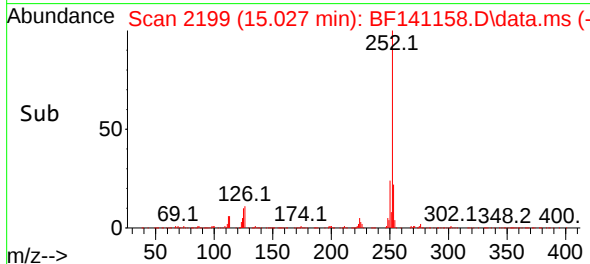
Instrument :
BNA_F
ClientSampleId :
TR-06-1-10-2025



Tgt Ion:252 Resp: 190750
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.6
125 11.9 8.1 12.1

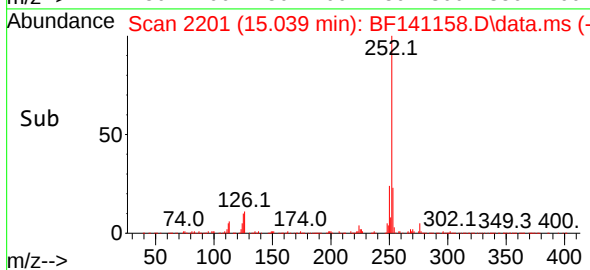
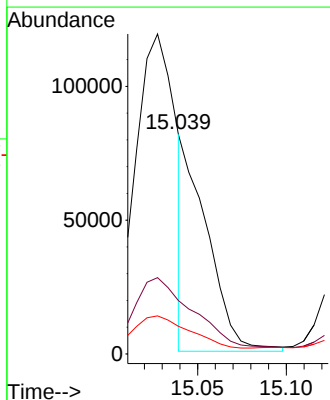
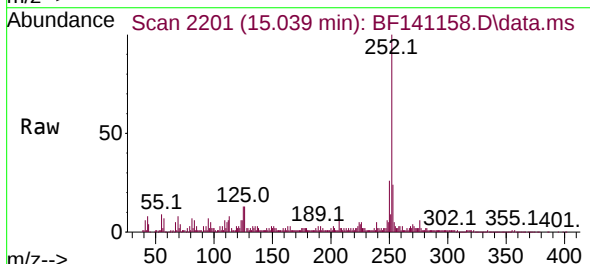
Manual Integrations
APPROVED

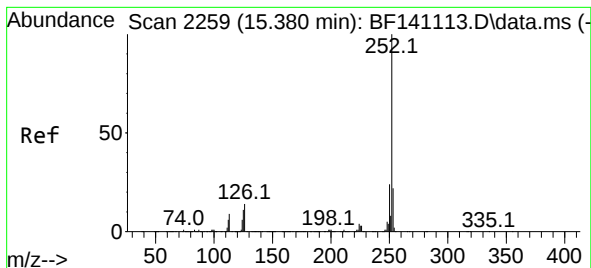
Reviewed By :Yogesh Patel 01/15/2025
Supervised By :Jagrut Upadhyay 01/15/2025



#89
Benzo(k)fluoranthene
Concen: 4.823 ng m
RT: 15.039 min Scan# 2201
Delta R.T. -0.012 min
Lab File: BF141158.D
Acq: 14 Jan 2025 20:49

Tgt Ion:252 Resp: 74712
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 12.6 7.9 11.9#





#90

Benzo(a)pyrene

Concen: 12.867 ng

RT: 15.386 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141158.D

Acq: 14 Jan 2025 20:49

Instrument :

BNA_F

ClientSampleId :

TR-06-1-10-2025

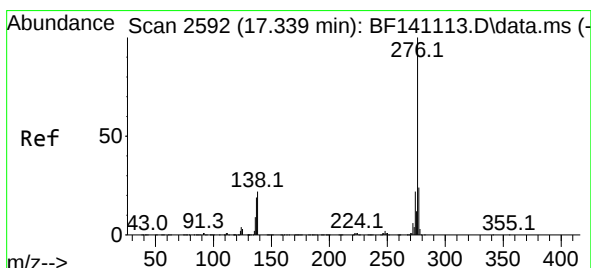
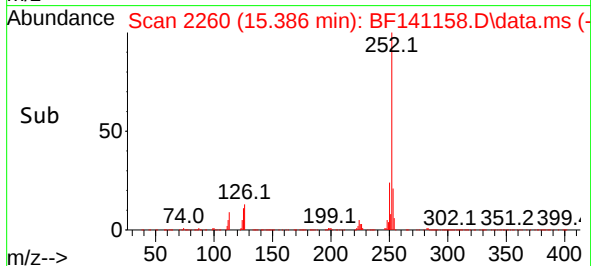
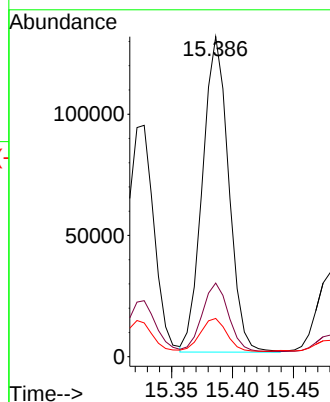
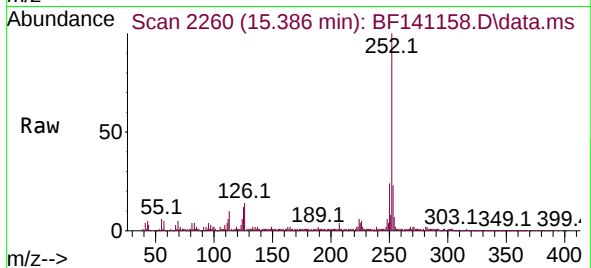
Tgt Ion:252 Resp: 19460
 Ion Ratio Lower Upper
 252 100
 253 23.0 17.7 26.5
 125 12.0 9.1 13.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/15/2025

Supervised By :Jagrut Upadhyay 01/15/2025



#92

Benzo(g,h,i)perylene

Concen: 8.887 ng

RT: 17.339 min Scan# 2592

Delta R.T. 0.000 min

Lab File: BF141158.D

Acq: 14 Jan 2025 20:49

Tgt Ion:276 Resp: 155718
 Ion Ratio Lower Upper
 276 100
 277 24.6 19.0 28.4
 138 20.9 17.4 26.2

