

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
 Data File : BF141853.D
 Acq On : 05 Mar 2025 19:50
 Operator : RC/JU
 Sample : Q1486-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DN-B-40

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 03/06/2025
 Supervised By :Jagrut Upadhyay 03/06/2025

Quant Time: Mar 06 00:15:02 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 28 01:48:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	180762	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	682928	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	314183	20.000	ng	-0.01
64) Phenanthrene-d10	11.398	188	451809	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	397290	20.000	ng	-0.01
86) Perylene-d12	15.509	264	284064	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	1121033	99.040	ng	0.00
7) Phenol-d6	6.498	99	1386282	94.096	ng	-0.01
23) Nitrobenzene-d5	7.439	82	867295	81.176	ng	-0.01
42) 2,4,6-Tribromophenol	10.704	330	276726	93.818	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	1523760	77.766	ng	0.00
79) Terphenyl-d14	12.986	244	1474064	60.030	ng	-0.01
Target Compounds						Qvalue
71) Phenanthrene	11.422	178	140572	5.817	ng	98
75) Fluoranthene	12.610	202	200901	8.113	ng	98
78) Pyrene	12.839	202	178997	5.203	ng	97
81) Benzo(a)anthracene	14.027	228	103982	3.962	ng	97
83) Chrysene	14.063	228	80754m	3.338	ng	
88) Benzo(b)fluoranthene	15.080	252	77613m	4.011	ng	
90) Benzo(a)pyrene	15.445	252	58346	3.760	ng	# 89
92) Benzo(g,h,i)perylene	17.439	276	31297	2.069	ng	92

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

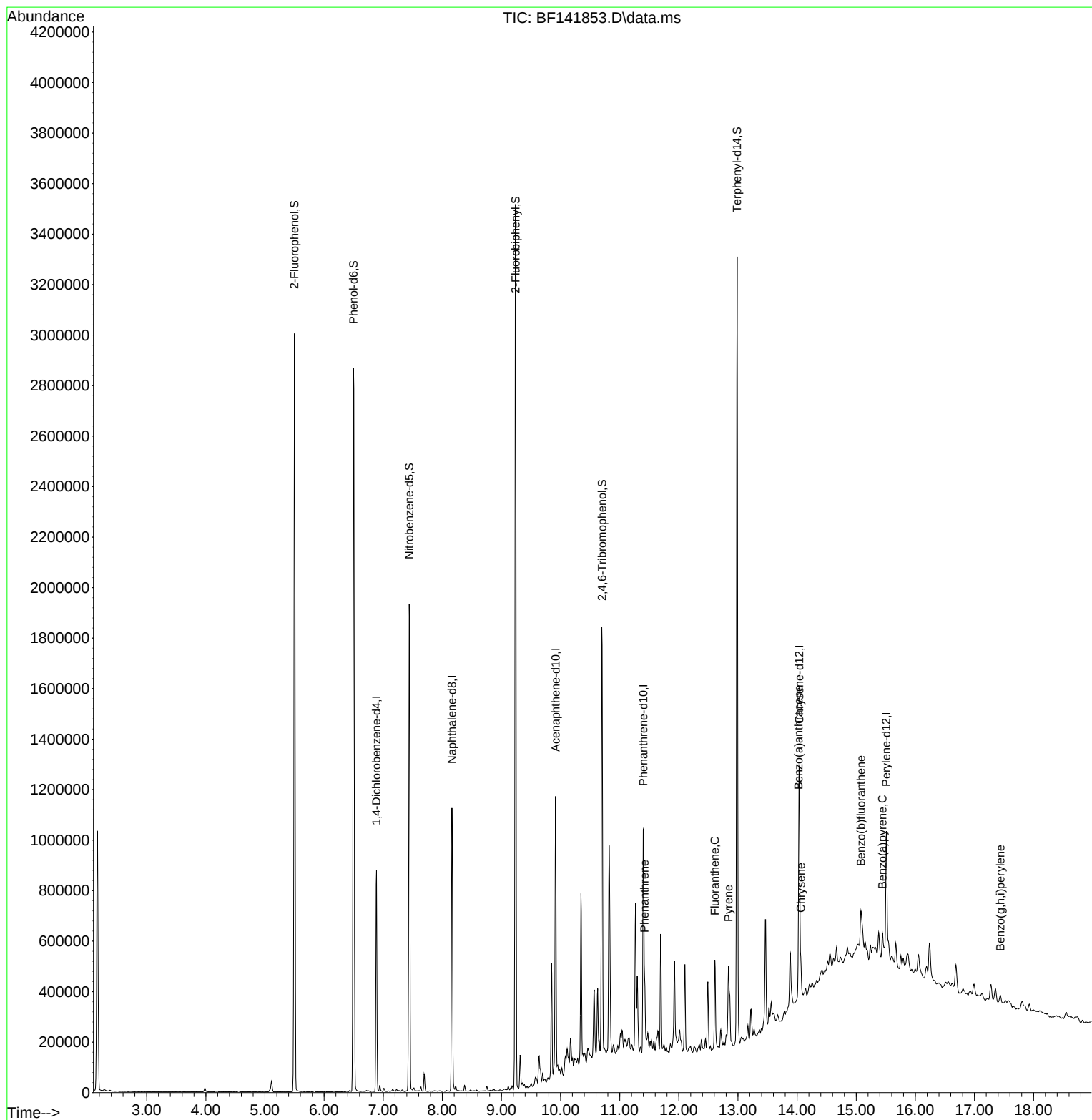
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF030525\
Data File : BF141853.D
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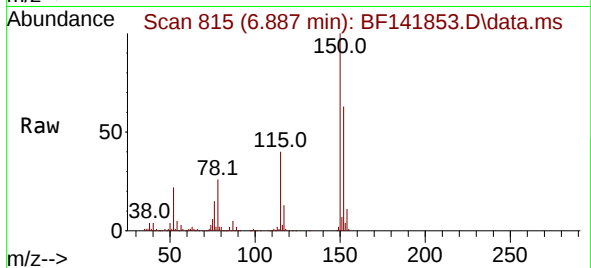
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.006 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

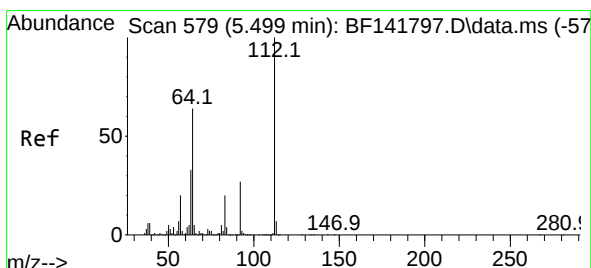
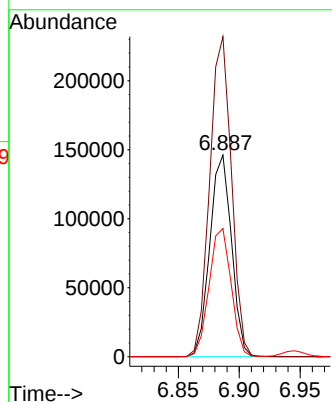
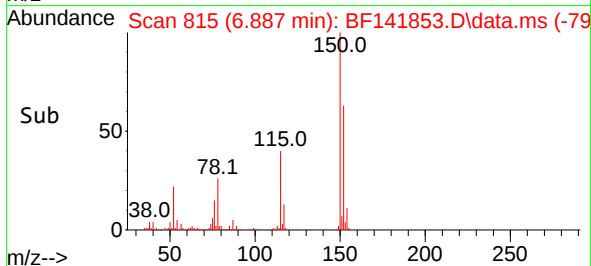
Instrument :
BNA_F
ClientSampleId :
DN-B-40



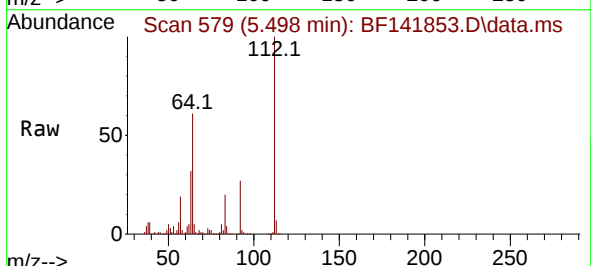
Tgt Ion:152 Resp: 180762
Ion Ratio Lower Upper
152 100
150 158.7 127.5 191.3
115 63.6 51.4 77.2

Manual Integrations
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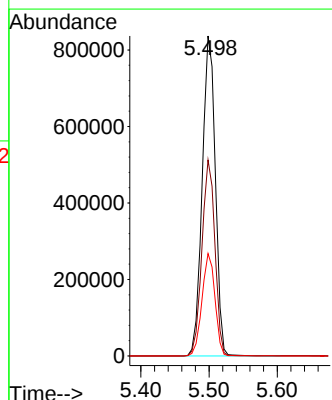
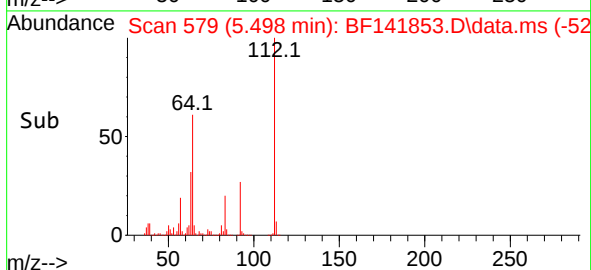
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#5
2-Fluorophenol
Concen: 99.040 ng
RT: 5.498 min Scan# 579
Delta R.T. -0.000 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50



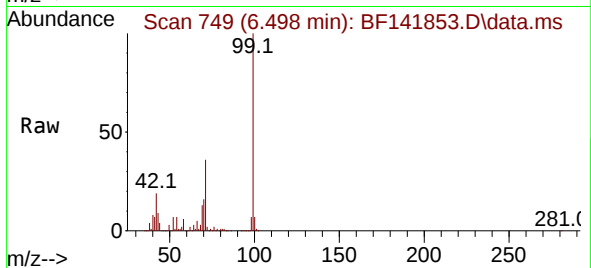
Tgt Ion:112 Resp: 1121033
Ion Ratio Lower Upper
112 100
64 61.3 51.3 76.9
63 32.0 26.2 39.4





#7
Phenol-d6
Concen: 94.096 ng
RT: 6.498 min Scan# 749
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

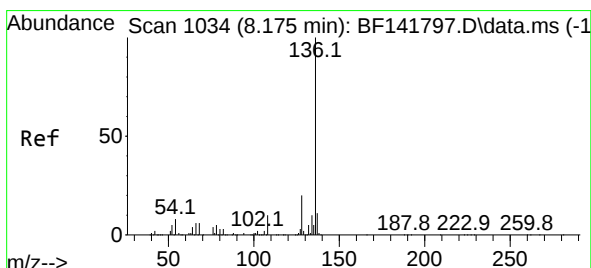
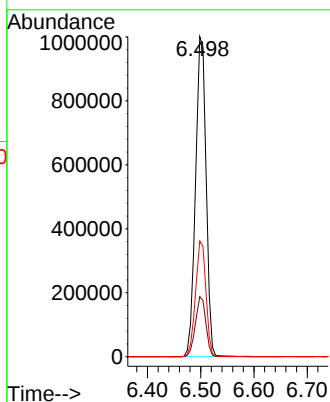
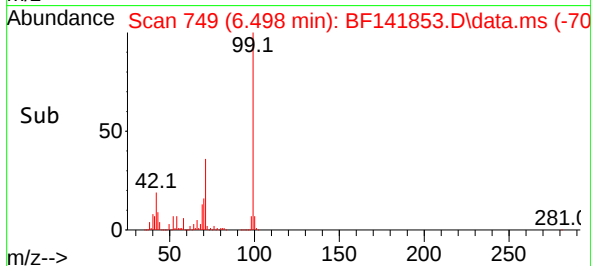
Instrument :
BNA_F
ClientSampleId :
DN-B-40



Tgt Ion: 99 Resp: 138628
Ion Ratio Lower Upper
99 100
42 18.7 15.2 22.8
71 36.2 28.2 42.2

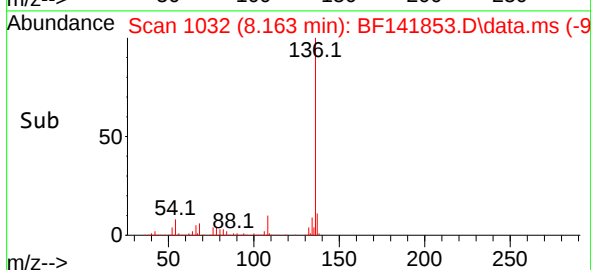
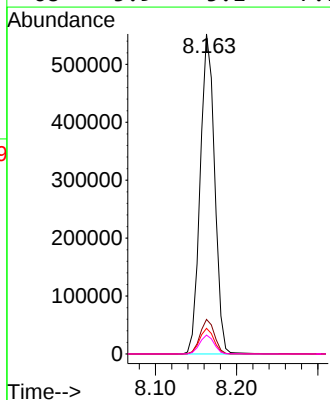
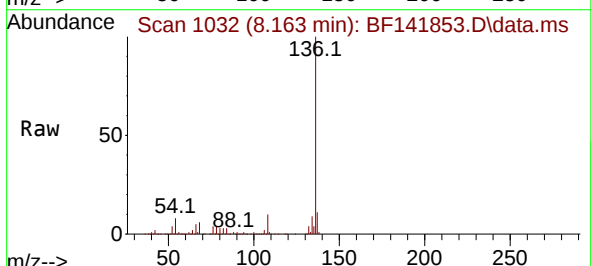
Manual Integrations
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Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:136 Resp: 682928
Ion Ratio Lower Upper
136 100
137 10.8 8.9 13.3
54 8.0 6.9 10.3
68 5.9 5.1 7.7





#23

Nitrobenzene-d5

Concen: 81.176 ng

RT: 7.439 min Scan# 909

Delta R.T. -0.012 min

Lab File: BF141853.D

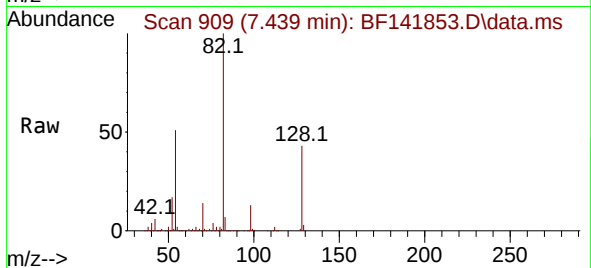
Acq: 05 Mar 2025 19:50

Instrument :

BNA_F

ClientSampleId :

DN-B-40



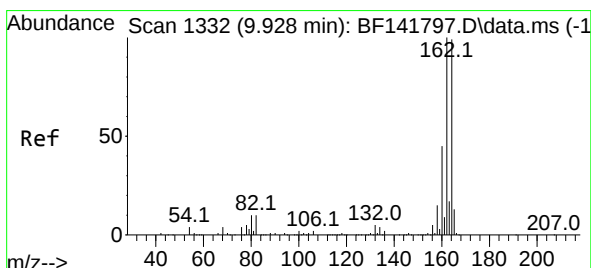
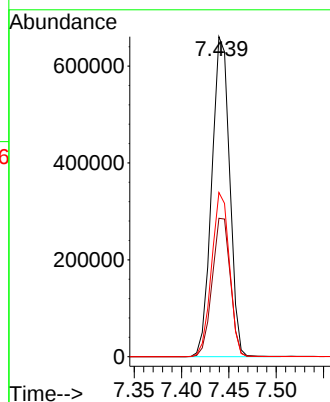
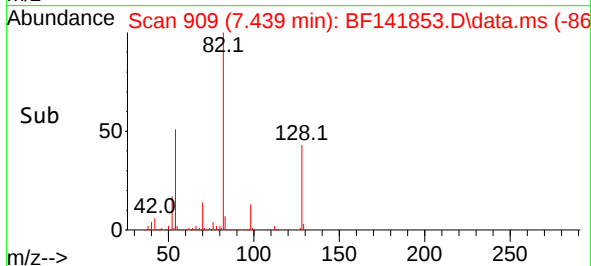
Tgt Ion: 82	Resp: 86729
Ion Ratio	Lower Upper
82	100
128	43.3 33.5 50.3
54	51.3 42.7 64.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/06/2025



#39

Acenaphthene-d10

Concen: 20.000 ng

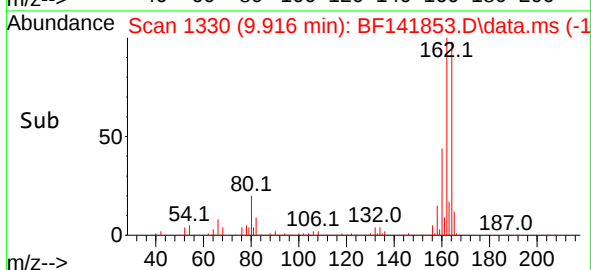
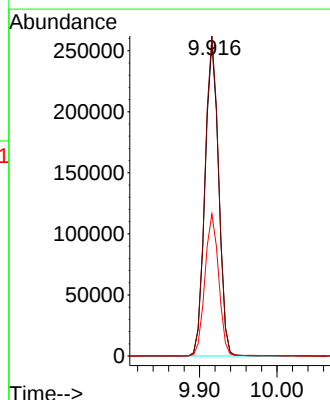
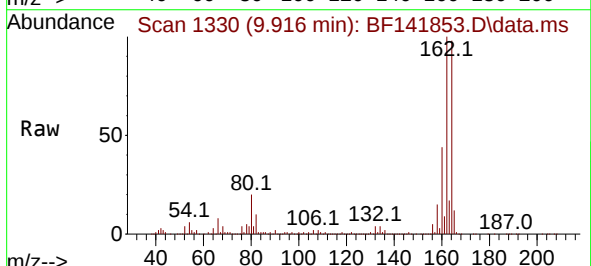
RT: 9.916 min Scan# 1330

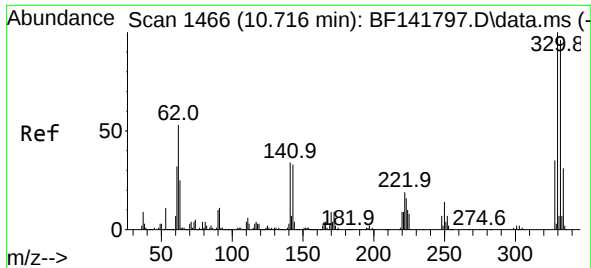
Delta R.T. -0.012 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

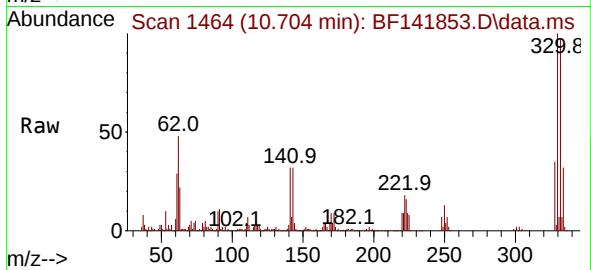
Tgt Ion:164	Resp: 314183
Ion Ratio	Lower Upper
164	100
162	102.1 80.6 120.8
160	45.4 36.3 54.5





#42
2,4,6-Tribromophenol
Concen: 93.818 ng
RT: 10.704 min Scan# 1466
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

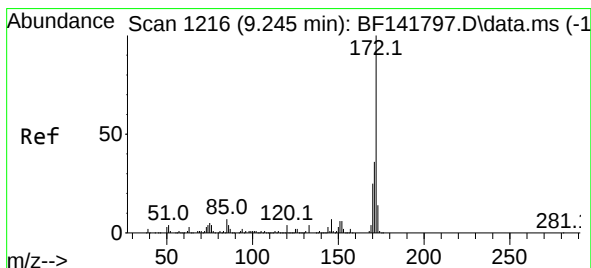
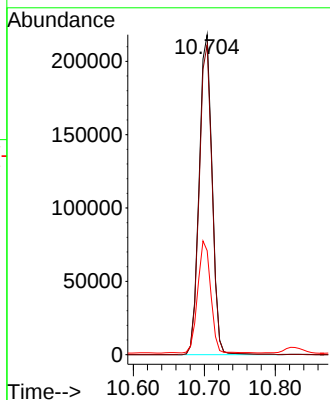
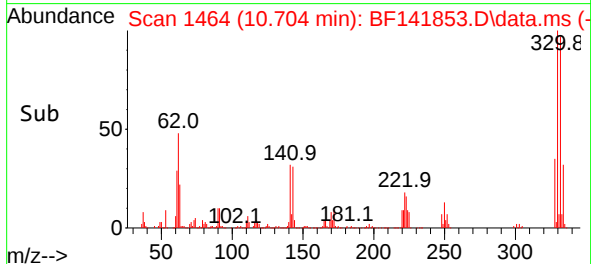
Instrument :
BNA_F
ClientSampleId :
DN-B-40



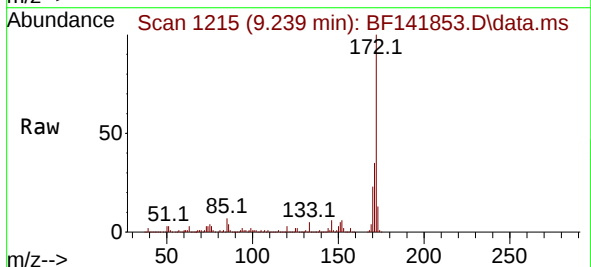
Tgt Ion: 330 Resp: 276720
Ion Ratio Lower Upper
330 100
332 96.6 76.6 115.0
141 35.2 29.0 43.4

Manual Integrations
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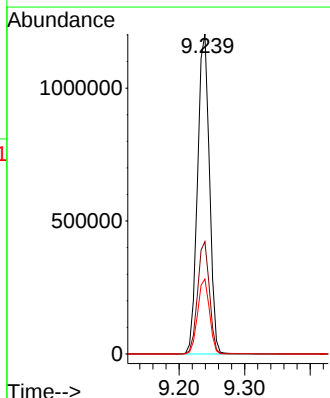
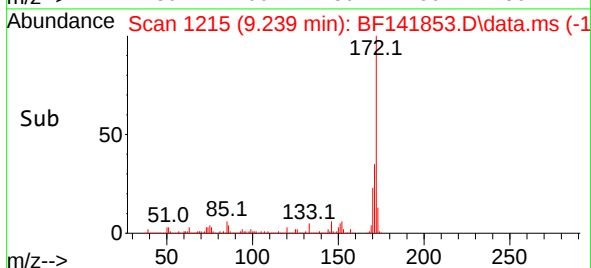
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025

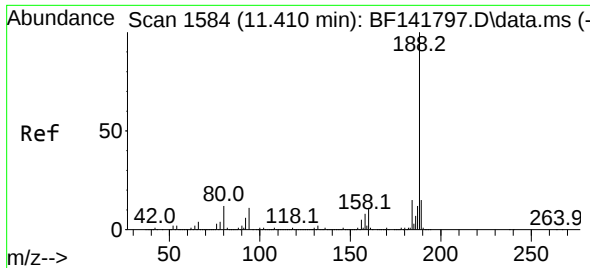


#45
2-Fluorobiphenyl
Concen: 77.766 ng
RT: 9.239 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50



Tgt Ion: 172 Resp: 1523760
Ion Ratio Lower Upper
172 100
171 35.1 29.2 43.8
170 23.4 19.7 29.5





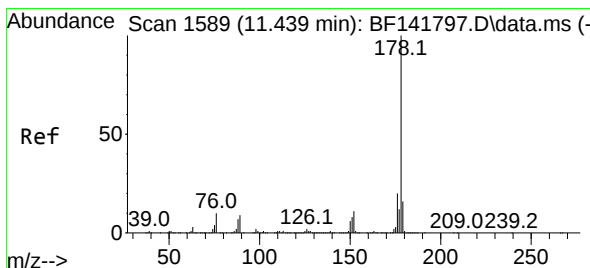
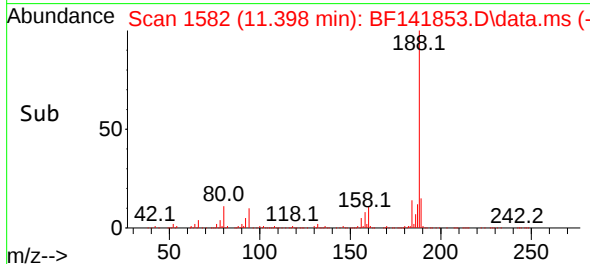
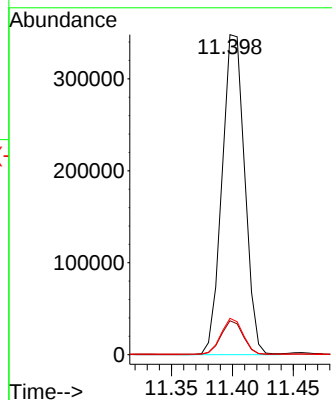
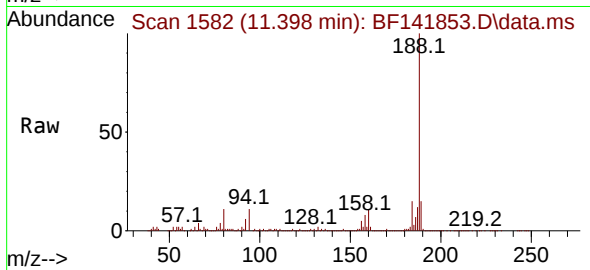
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Instrument :
BNA_F
ClientSampleId :
DN-B-40

Tgt Ion:188 Resp: 451809
Ion Ratio Lower Upper
188 100
94 10.6 8.9 13.3
80 11.3 9.7 14.5

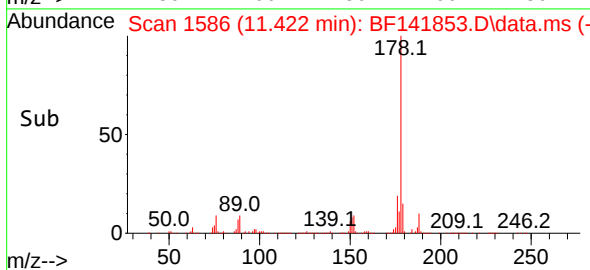
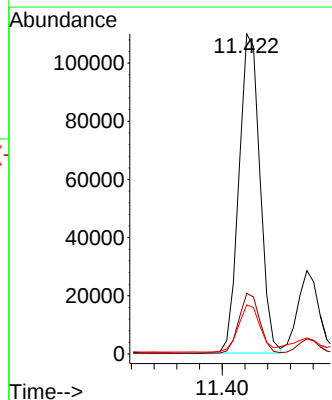
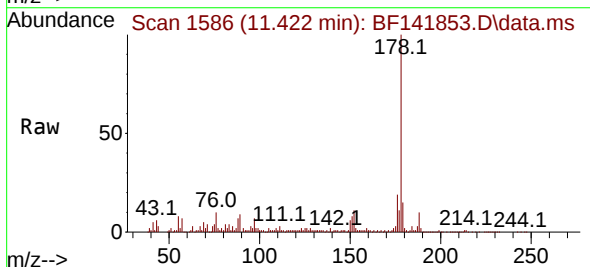
Manual Integrations
APPROVED

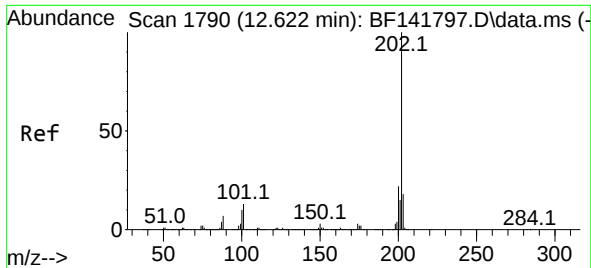
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#71
Phenanthrene
Concen: 5.817 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.018 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

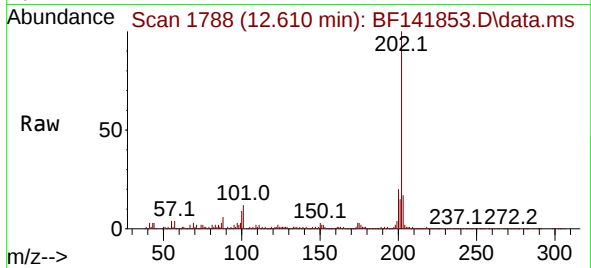
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Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 15.3 12.6 19.0





#75
Fluoranthene
Concen: 8.113 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

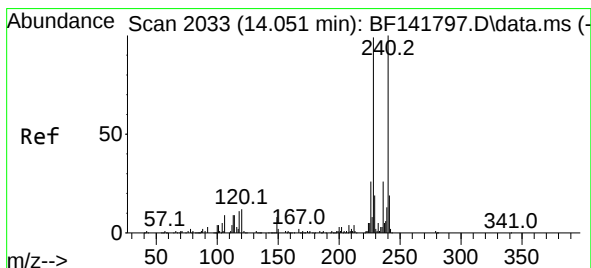
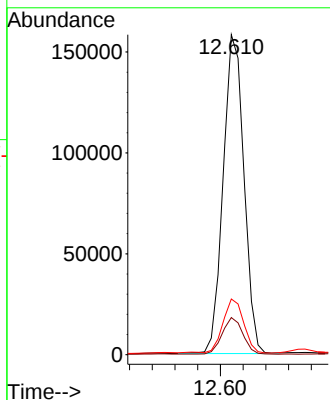
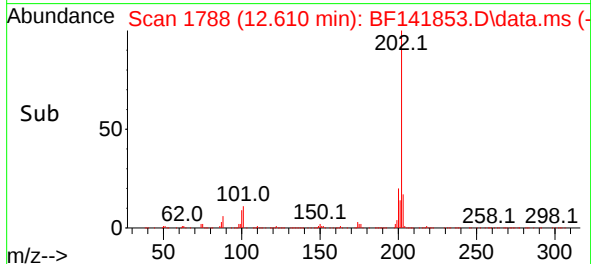
Instrument :
BNA_F
ClientSampleId :
DN-B-40



Tgt Ion:202 Resp: 20090
Ion Ratio Lower Upper
202 100
101 11.6 0.0 32.8
203 17.4 0.0 38.0

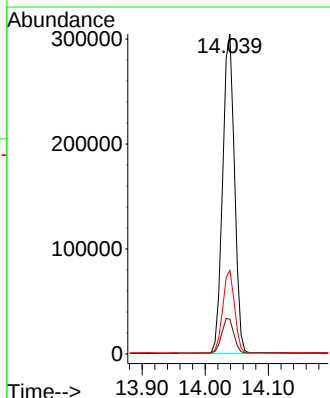
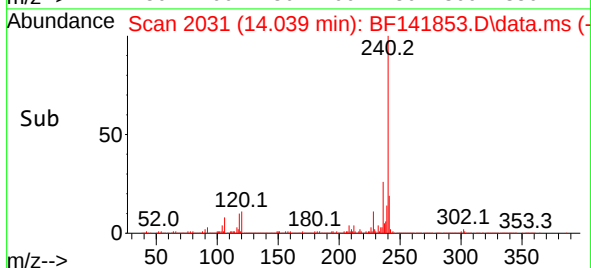
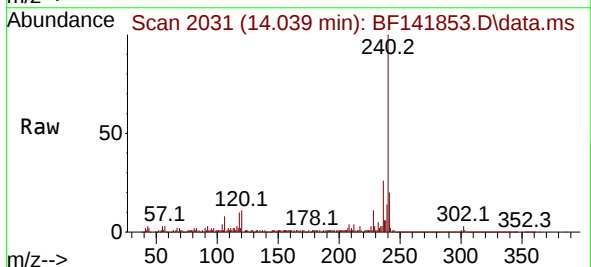
Manual Integrations
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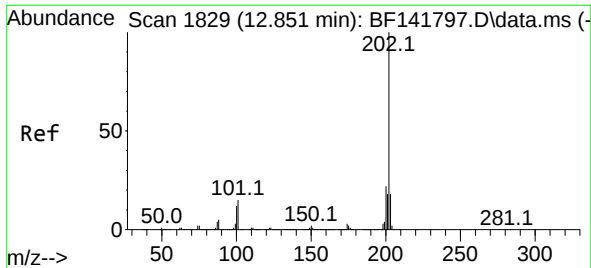
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

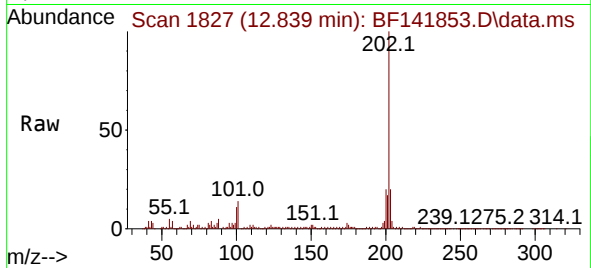
Tgt Ion:240 Resp: 397290
Ion Ratio Lower Upper
240 100
120 10.9 9.7 14.5
236 26.1 21.0 31.4





#78
Pyrene
Concen: 5.203 ng
RT: 12.839 min Scan# 1827
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

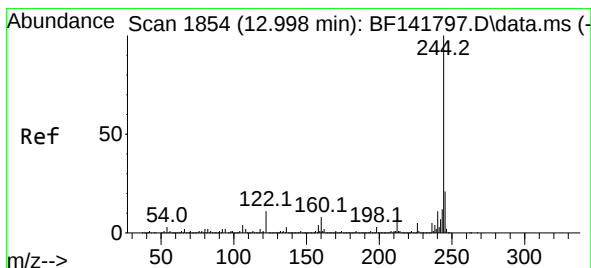
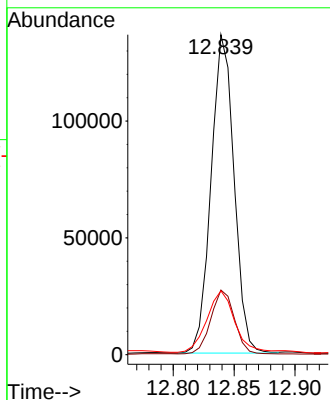
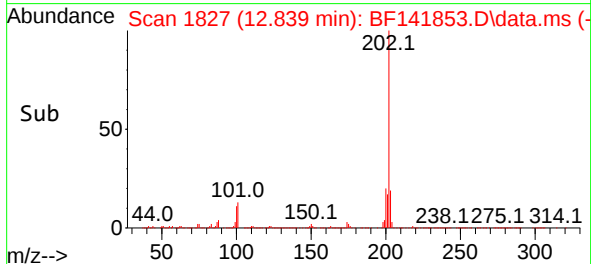
Instrument :
BNA_F
ClientSampleId :
DN-B-40



Tgt Ion:202 Resp: 17899
Ion Ratio Lower Upper
202 100
200 20.2 17.4 26.0
203 20.0 14.6 22.0

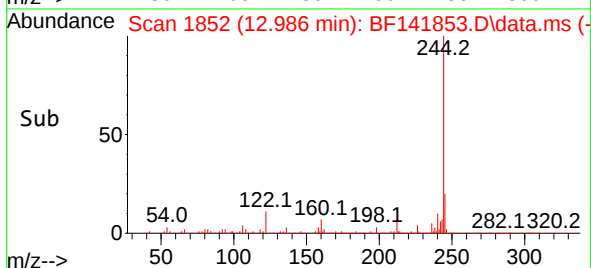
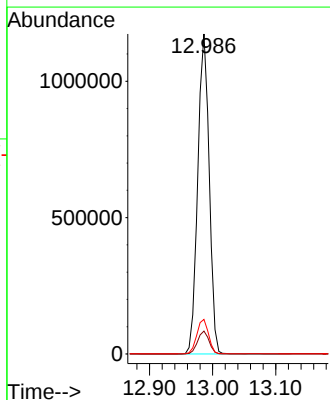
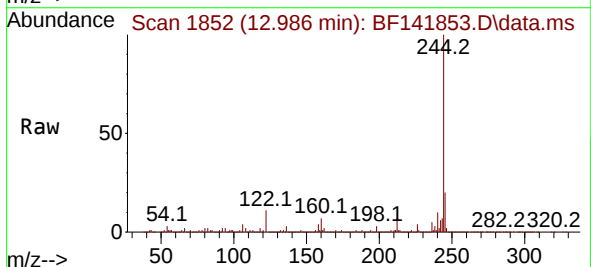
Manual Integrations
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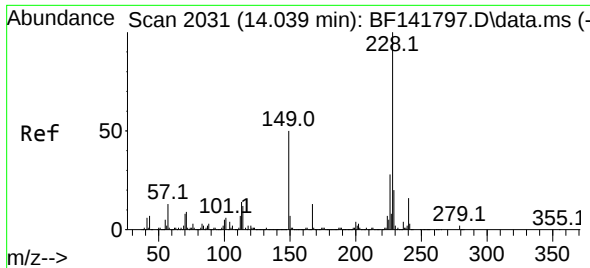
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#79
Terphenyl-d14
Concen: 60.030 ng
RT: 12.986 min Scan# 1852
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:244 Resp: 1474064
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 10.8 9.0 13.6





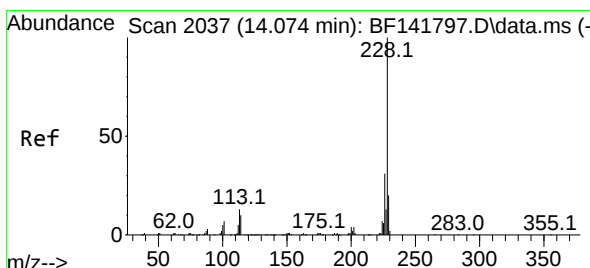
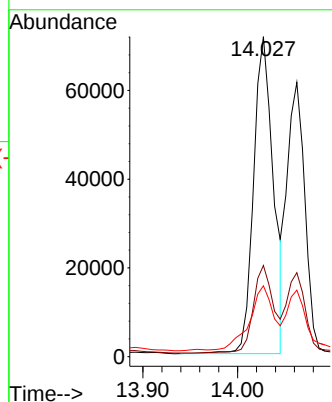
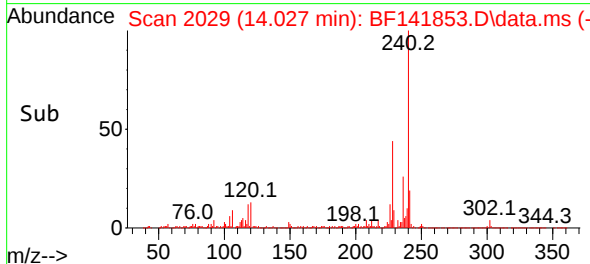
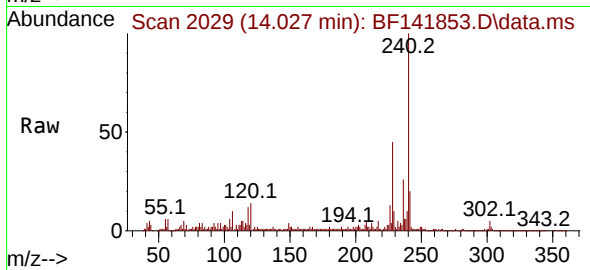
#81
Benzo(a)anthracene
Concen: 3.962 ng
RT: 14.027 min Scan# 2031
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Instrument :
BNA_F
ClientSampleId :
DN-B-40

Tgt Ion:228 Resp: 10398
Ion Ratio Lower Upper
228 100
226 28.5 22.1 33.1
229 22.2 16.1 24.1

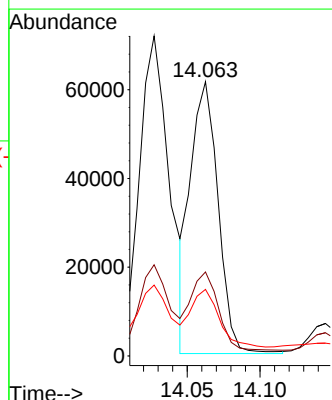
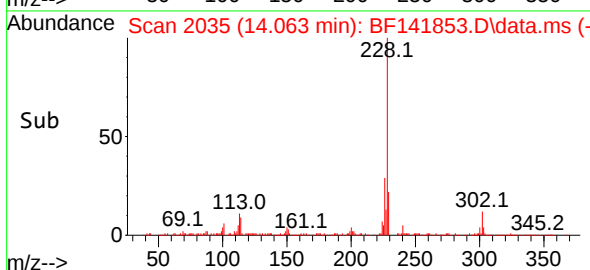
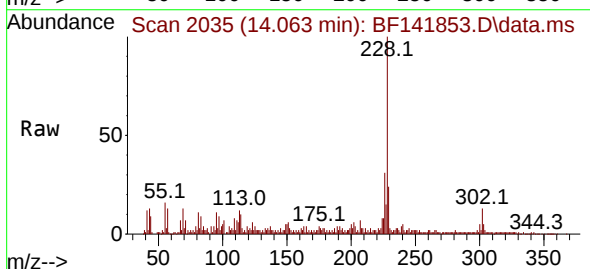
Manual Integrations
APPROVED

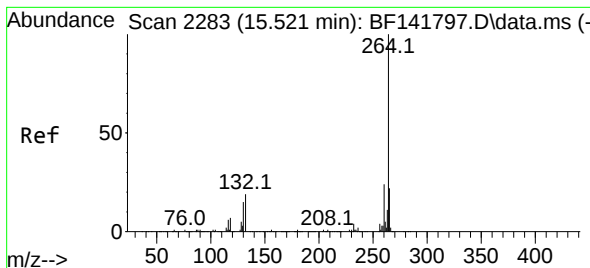
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#83
Chrysene
Concen: 3.338 ng m
RT: 14.063 min Scan# 2035
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:228 Resp: 80754
Ion Ratio Lower Upper
228 100
226 30.6 24.6 37.0
229 24.3 16.1 24.1#





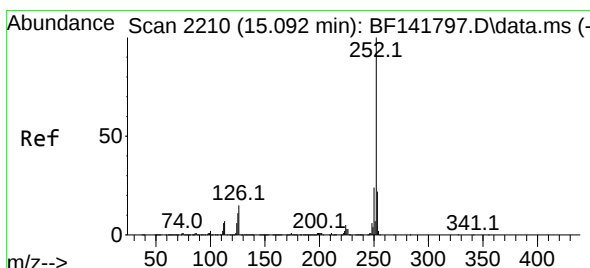
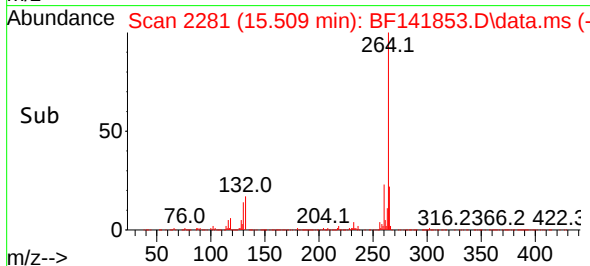
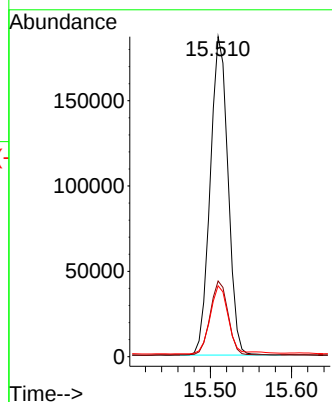
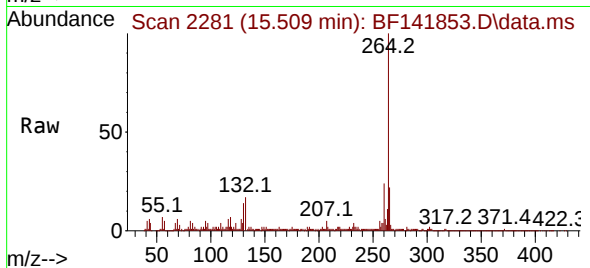
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.509 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Instrument :
BNA_F
ClientSampleId :
DN-B-40

Tgt Ion:264 Resp: 284064
Ion Ratio Lower Upper
264 100
260 23.7 18.9 28.3
265 22.2 17.4 26.0

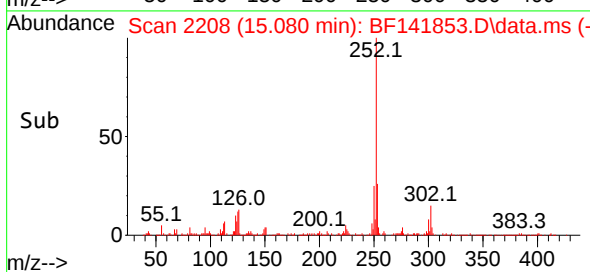
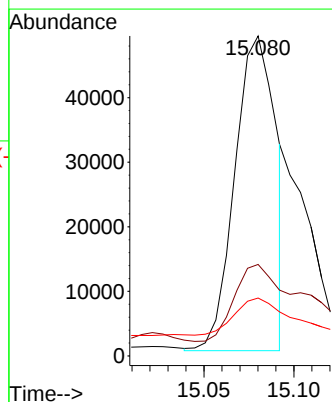
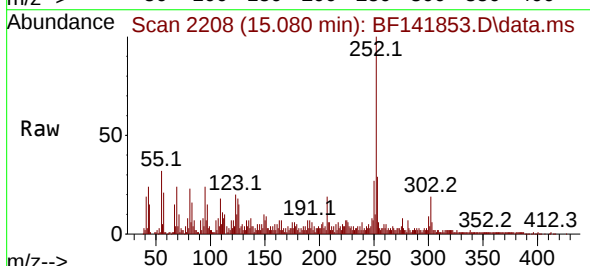
Manual Integrations
APPROVED

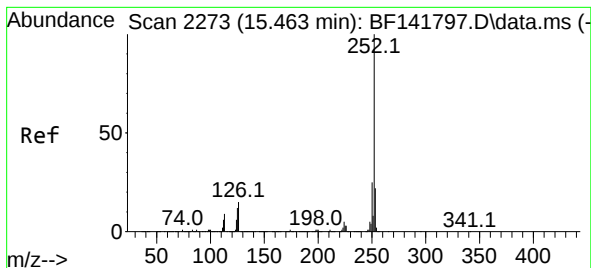
Reviewed By :Anahy Claudio 03/06/2025
Supervised By :Jagrut Upadhyay 03/06/2025



#88
Benzo(b)fluoranthene
Concen: 4.011 ng m
RT: 15.080 min Scan# 2208
Delta R.T. -0.012 min
Lab File: BF141853.D
Acq: 05 Mar 2025 19:50

Tgt Ion:252 Resp: 77613
Ion Ratio Lower Upper
252 100
253 28.6 17.7 26.5#
125 18.1 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 3.760 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

Instrument :

BNA_F

ClientSampleId :

DN-B-40

Tgt Ion:252 Resp: 58340

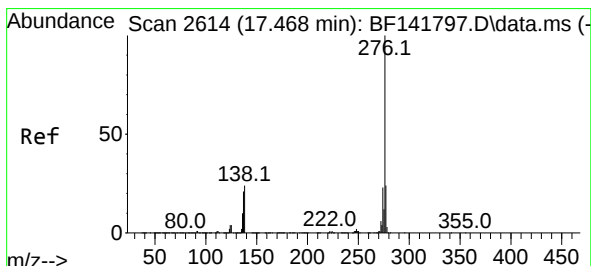
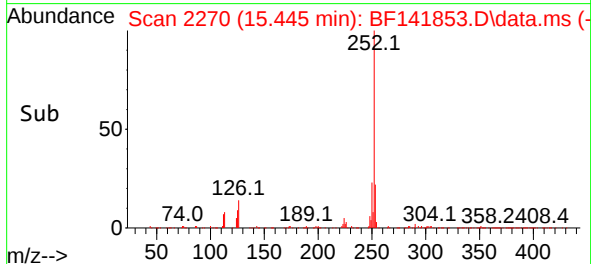
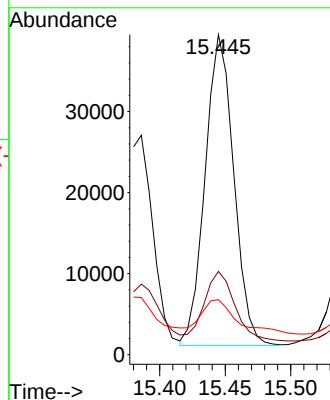
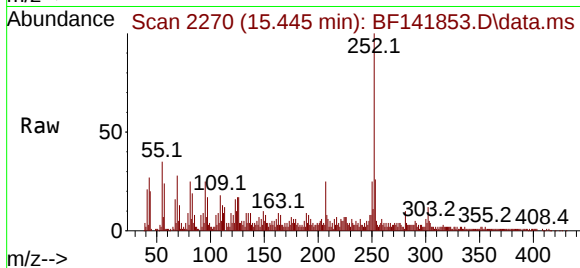
Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.5	26.3
125	17.2	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 03/06/2025

Supervised By :Jagrut Upadhyay 03/06/2025



#92

Benzo(g,h,i)perylene

Concen: 2.069 ng

RT: 17.439 min Scan# 2609

Delta R.T. -0.030 min

Lab File: BF141853.D

Acq: 05 Mar 2025 19:50

Tgt Ion:276 Resp: 31297

Ion	Ratio	Lower	Upper
276	100		
277	27.5	19.4	29.0
138	28.2	19.3	28.9

