

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
 Data File : BF141791.D
 Acq On : 26 Feb 2025 19:25
 Operator : RC/JU
 Sample : Q1428-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 NB-07-022525

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/27/2025
 Supervised By :Jagrut Upadhyay 02/27/2025

Quant Time: Feb 27 00:06:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 16:58:59 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	79349	20.000	ng	-0.01
21) Naphthalene-d8	8.063	136	315313	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	158882	20.000	ng	-0.02
64) Phenanthrene-d10	11.298	188	228620	20.000	ng	-0.02
76) Chrysene-d12	13.945	240	175831	20.000	ng	-0.02
86) Perylene-d12	15.392	264	134118	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.404	112	165163	32.632	ng	0.00
7) Phenol-d6	6.428	99	203663	31.837	ng	-0.01
23) Nitrobenzene-d5	7.346	82	126846	20.983	ng	-0.02
42) 2,4,6-Tribromophenol	10.604	330	42884	26.869	ng	-0.02
45) 2-Fluorobiphenyl	9.134	172	261098	25.318	ng	-0.02
79) Terphenyl-d14	12.880	244	233417	22.411	ng	-0.02
Target Compounds						Qvalue
31) Naphthalene	8.081	128	107718	6.563	ng	98
37) 2-Methylnaphthalene	8.775	142	63444	5.940	ng	97
38) 1-Methylnaphthalene	8.875	142	48635	4.702	ng	97
52) Acenaphthene	9.845	154	50306	5.523	ng	96
55) Dibenzofuran	10.022	168	76495	5.722	ng	97
58) Fluorene	10.363	166	113371	10.967	ng	97
71) Phenanthrene	11.328	178	771811	61.330	ng	100
72) Anthracene	11.375	178	180589	14.275	ng	98
73) Carbazole	11.533	167	68277	5.998	ng	97
75) Fluoranthene	12.516	202	852430	63.891	ng	100
78) Pyrene	12.745	202	744679	49.751	ng	99
81) Benzo(a)anthracene	13.933	228	397306	33.992	ng	97
83) Chrysene	13.969	228	306703	28.419	ng	98
87) Indeno(1,2,3-cd)pyrene	16.827	276	108958	13.148	ng	96
88) Benzo(b)fluoranthene	14.974	252	329206m	36.557	ng	
89) Benzo(k)fluoranthene	14.986	252	138559m	18.019	ng	
90) Benzo(a)pyrene	15.327	252	226659	31.105	ng	# 95
91) Dibenzo(a,h)anthracene	16.827	278	27876m	4.151	ng	
92) Benzo(g,h,i)perylene	17.263	276	102648	14.608	ng	97

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

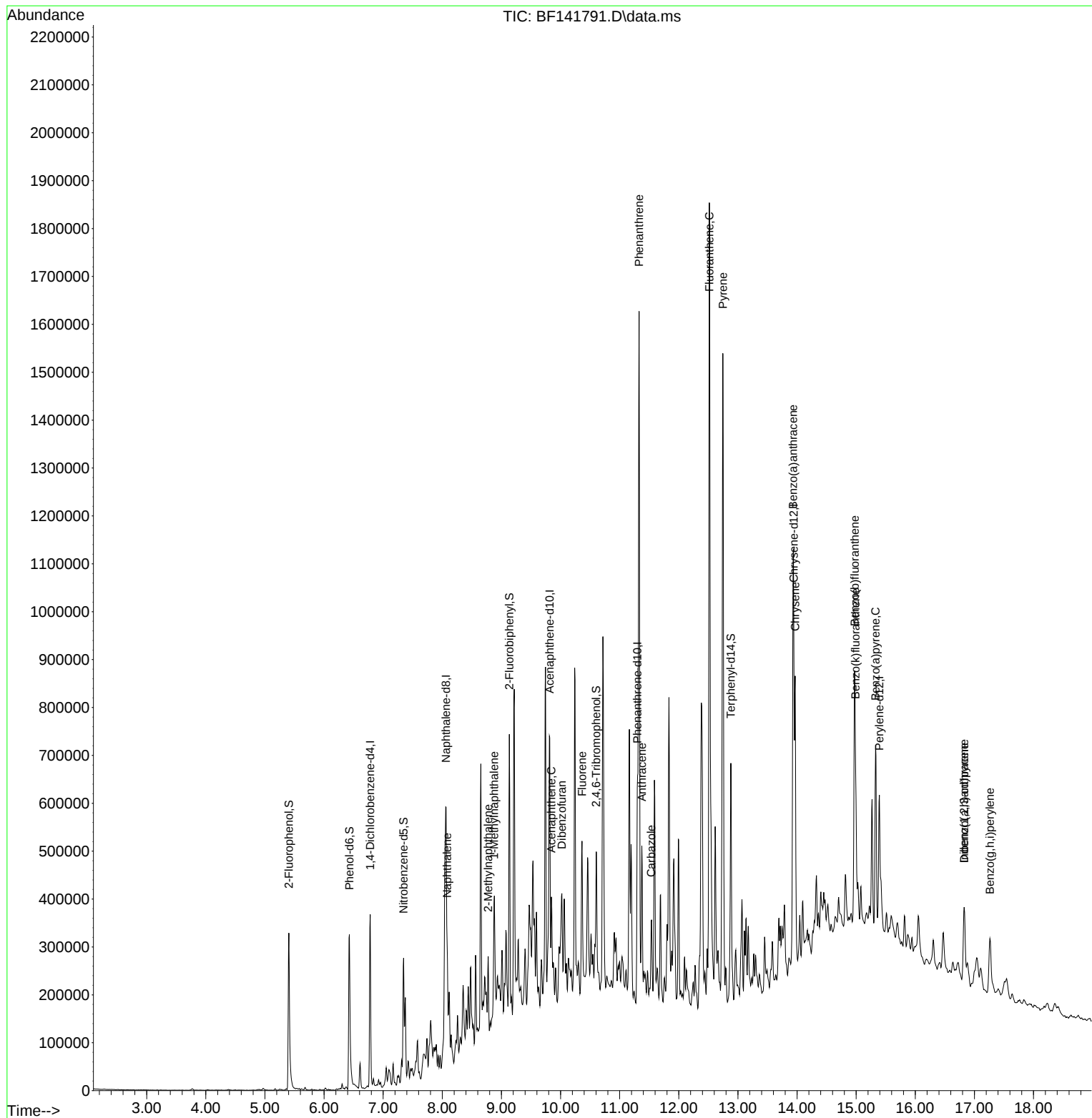
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF022625\
Data File : BF141791.D
Acq On : 26 Feb 2025 19:25
Operator : RC/JU
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Misc :
ALS Vial : 18 Sample Multiplier: 1

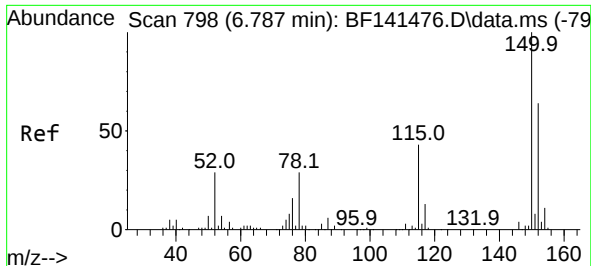
Instrument :
BNA_F
ClientSampleId :
NB-07-022525

Quant Time: Feb 27 00:06:44 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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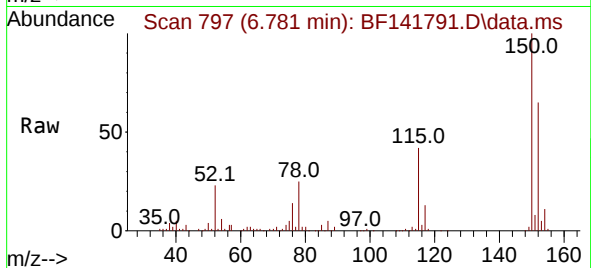
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

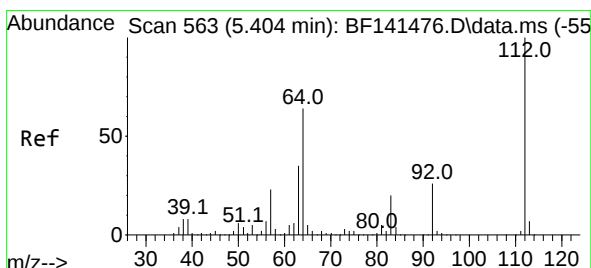
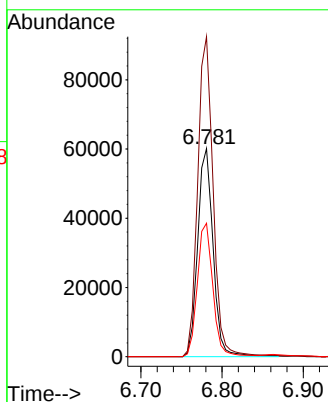
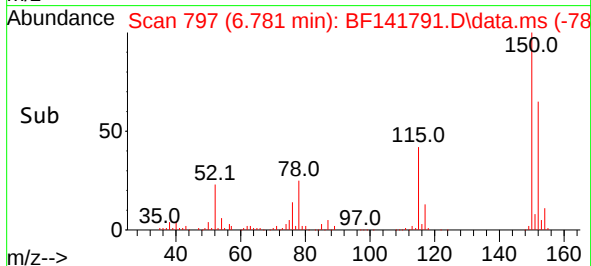
Instrument :
BNA_F
ClientSampleId :
NB-07-022525



Tgt Ion:152 Resp: 79349
Ion Ratio Lower Upper
152 100
150 153.7 125.0 187.4
115 64.1 53.6 80.4

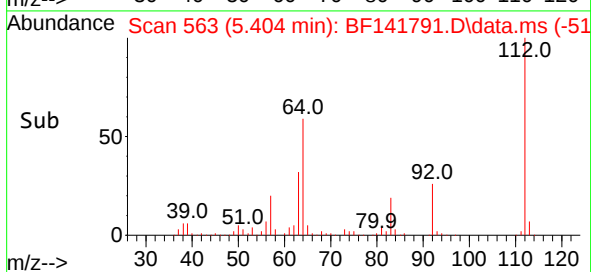
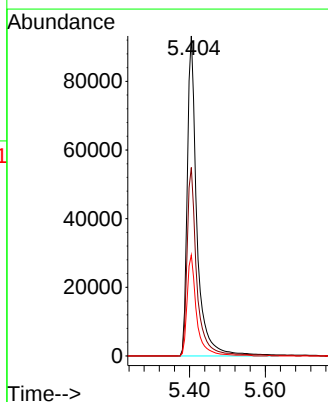
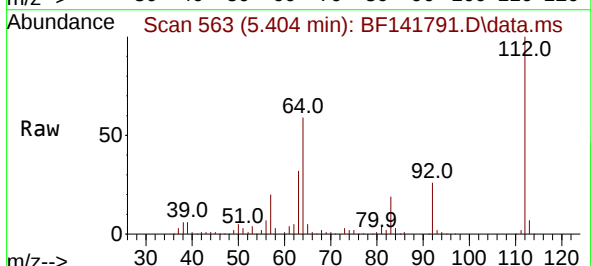
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#5
2-Fluorophenol
Concen: 32.632 ng
RT: 5.404 min Scan# 563
Delta R.T. -0.006 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

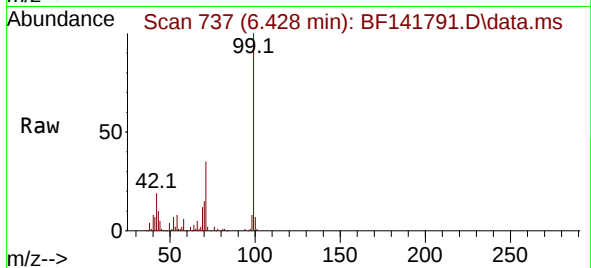
Tgt Ion:112 Resp: 165163
Ion Ratio Lower Upper
112 100
64 58.9 51.1 76.7
63 31.5 28.4 42.6





#7
Phenol-d6
Concen: 31.837 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

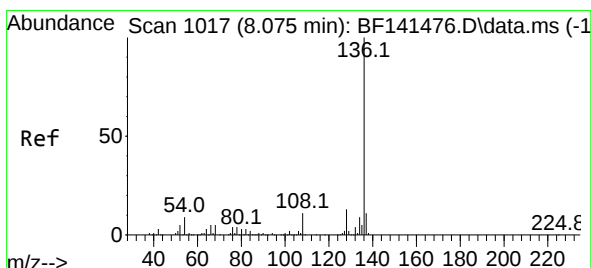
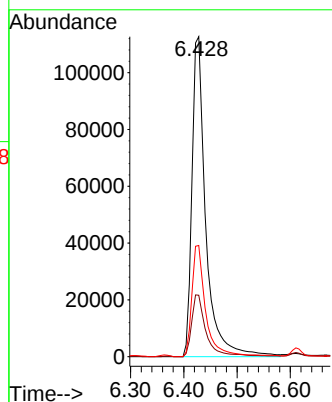
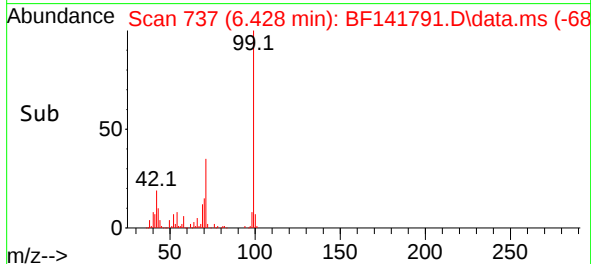
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BNA_F
ClientSampleId :
NB-07-022525



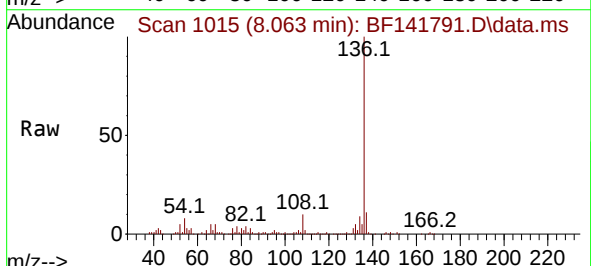
Tgt Ion: 99 Resp: 20366
Ion Ratio Lower Upper
99 100
42 19.2 19.1 28.7
71 34.7 31.1 46.7

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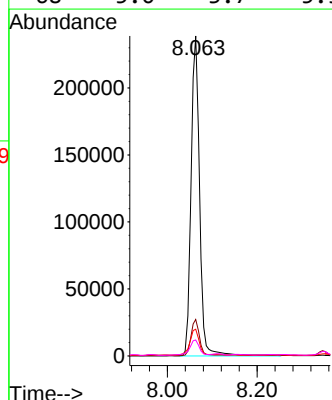
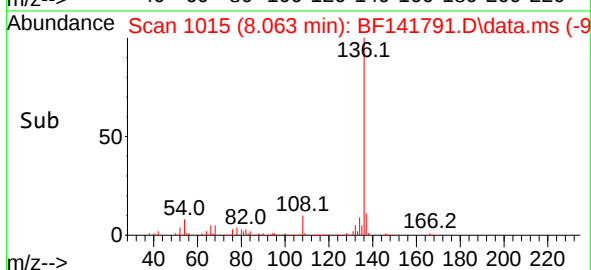
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025

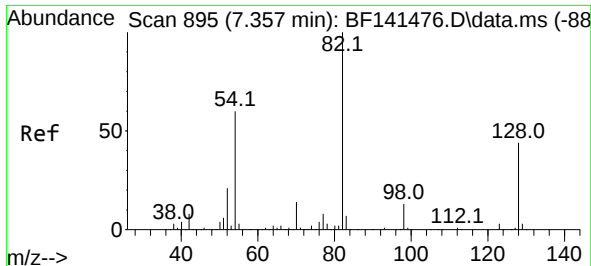


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1015
Delta R.T. -0.011 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25



Tgt Ion:136 Resp: 315313
Ion Ratio Lower Upper
136 100
137 11.4 8.6 13.0
54 8.3 7.2 10.8
68 5.0 3.7 5.5





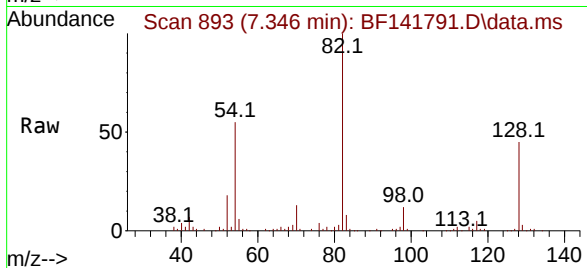
#23
Nitrobenzene-d5
Concen: 20.983 ng
RT: 7.346 min Scan# 895
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Instrument :

BNA_F

ClientSampleId :

NB-07-022525

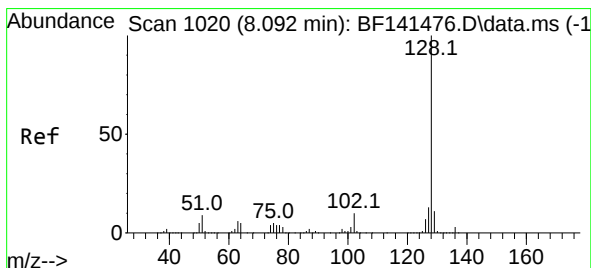
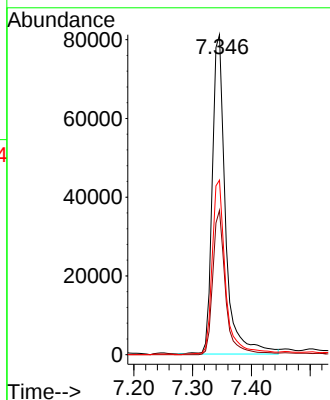
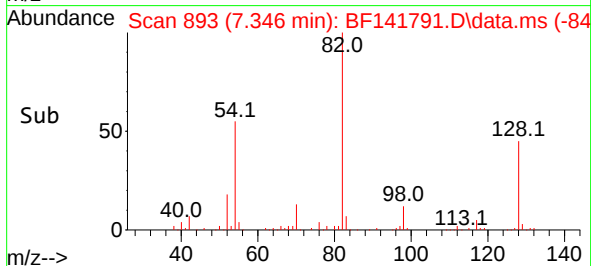


Tgt Ion: 82 Resp: 126840
Ion Ratio Lower Upper
82 100
128 45.1 34.8 52.2
54 54.5 48.2 72.4

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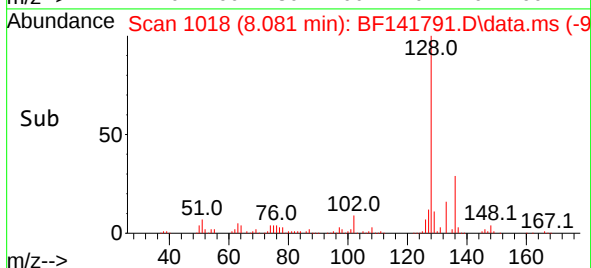
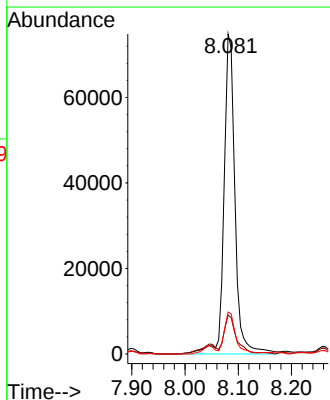
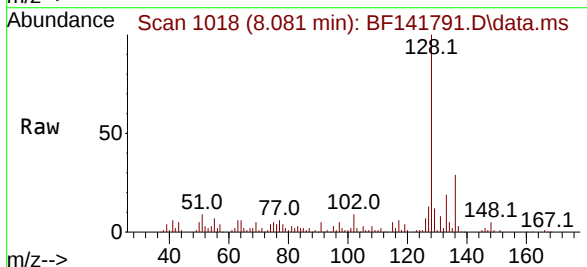
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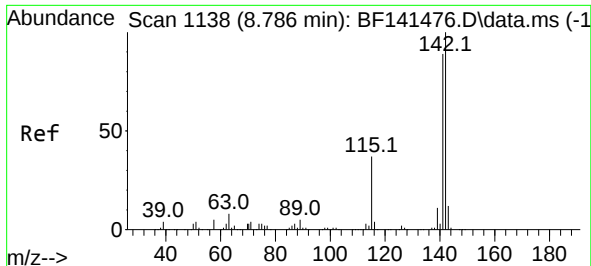
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025



#31
Naphthalene
Concen: 6.563 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Tgt Ion:128 Resp: 107718
Ion Ratio Lower Upper
128 100
129 12.1 8.9 13.3
127 13.1 10.7 16.1





#37

2-Methylnaphthalene

Concen: 5.940 ng

RT: 8.775 min Scan# 1136

Delta R.T. -0.011 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

Instrument :

BNA_F

ClientSampleId :

NB-07-022525

Tgt Ion:142 Resp: 6344

Ion Ratio Lower Upper

142 100

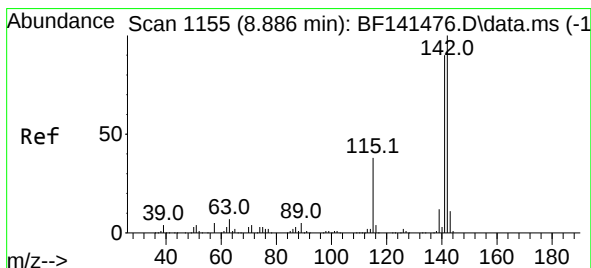
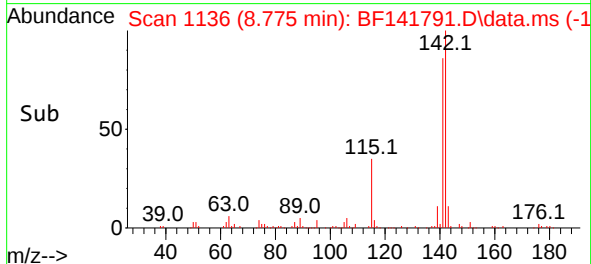
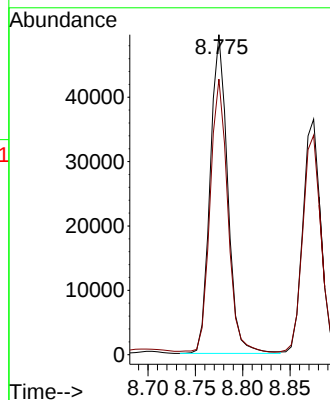
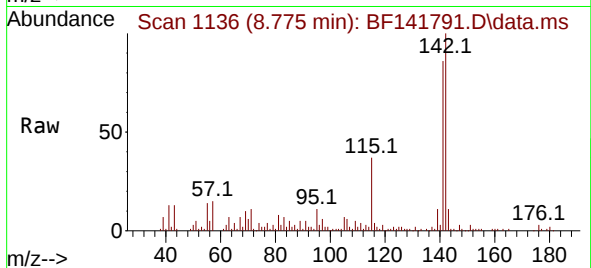
141 86.1 71.2 106.8

Manual Integrations

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Reviewed By :Anahy Claudio 02/27/2025

Supervised By :Jagrut Upadhyay 02/27/2025



#38

1-Methylnaphthalene

Concen: 4.702 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.011 min

Lab File: BF141791.D

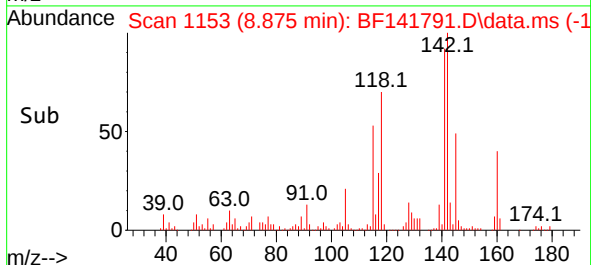
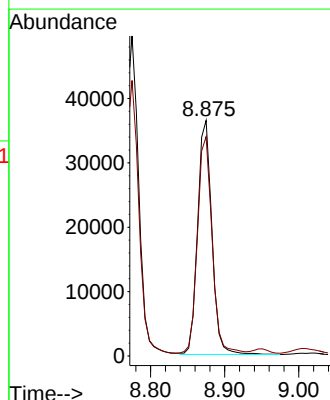
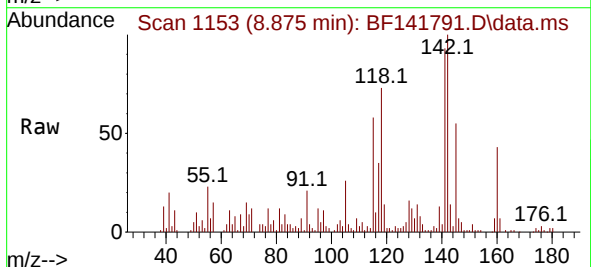
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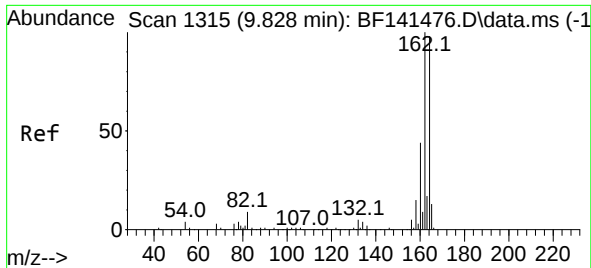
Tgt Ion:142 Resp: 48635

Ion Ratio Lower Upper

142 100

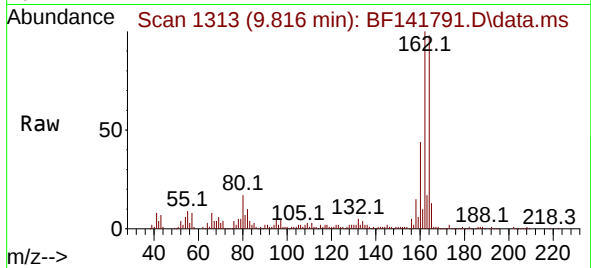
141 93.2 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

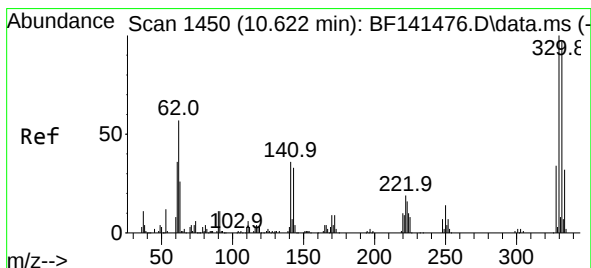
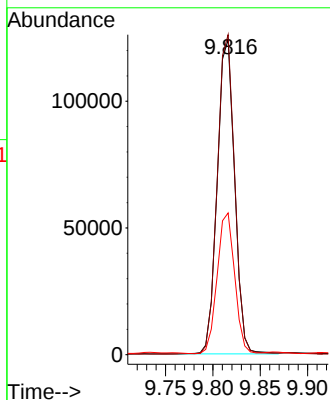
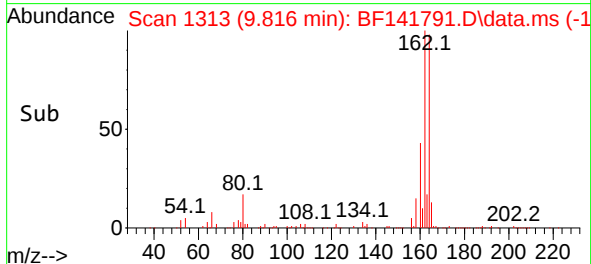
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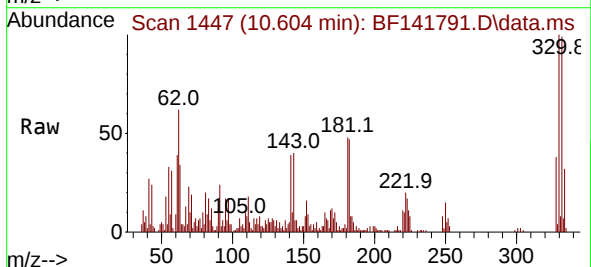
Tgt Ion:164 Resp: 15888
Ion Ratio Lower Upper
164 100
162 101.5 81.3 121.9
160 45.0 35.9 53.9

Manual Integrations
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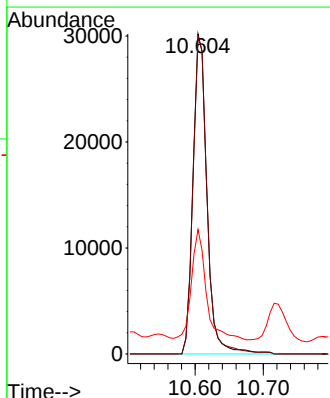
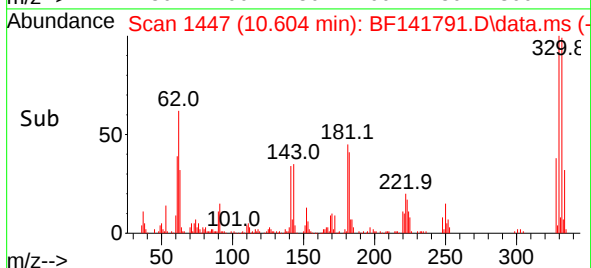
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025

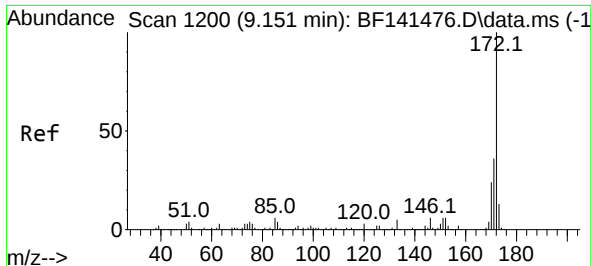


#42
2,4,6-Tribromophenol
Concen: 26.869 ng
RT: 10.604 min Scan# 1447
Delta R.T. -0.023 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25



Tgt Ion:330 Resp: 42884
Ion Ratio Lower Upper
330 100
332 99.2 78.5 117.7
141 36.1 31.0 46.4





#45

2-Fluorobiphenyl

Concen: 25.318 ng

RT: 9.134 min Scan# 1197

Delta R.T. -0.017 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

Instrument :

BNA_F

ClientSampleId :

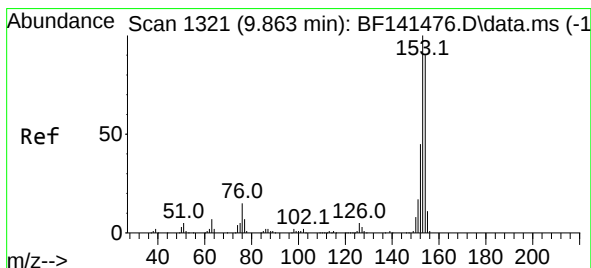
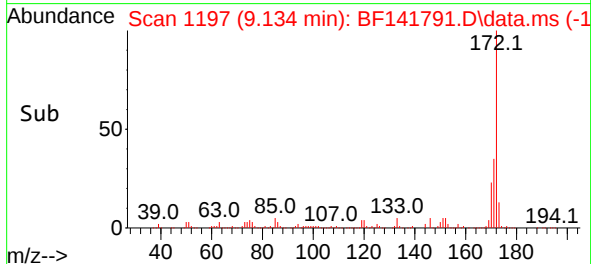
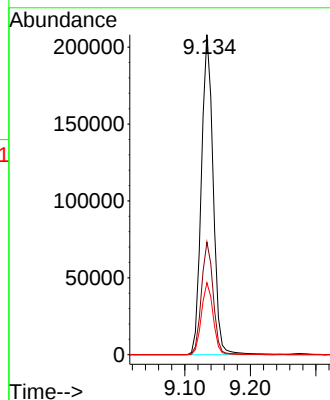
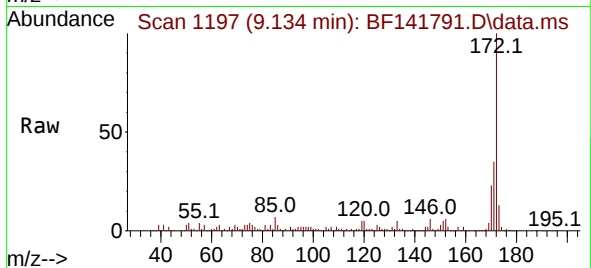
NB-07-022525

Tgt Ion:172 Resp: 261098
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.7 43.1
 170 22.5 18.9 28.3

Manual Integrations

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#52

Acenaphthene

Concen: 5.523 ng

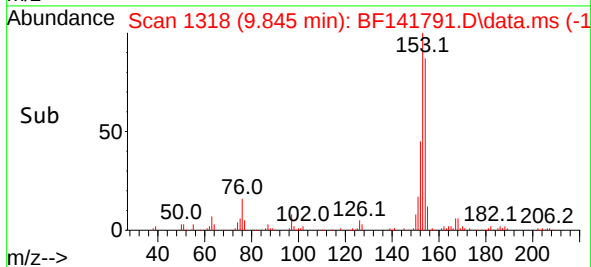
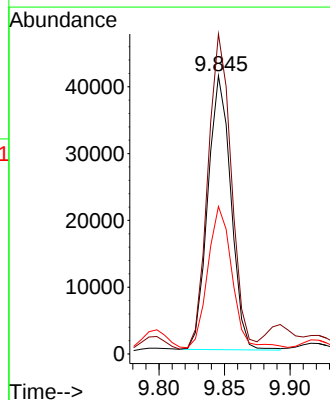
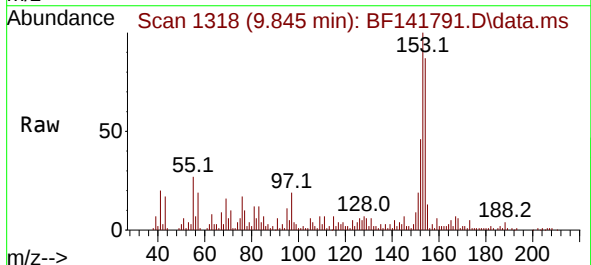
RT: 9.845 min Scan# 1318

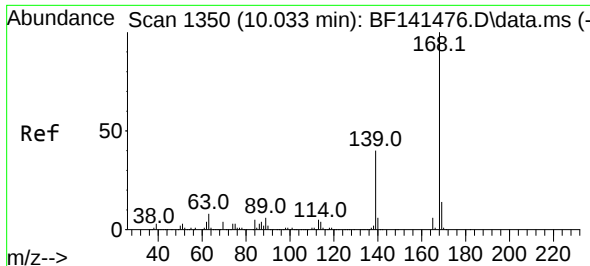
Delta R.T. -0.023 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

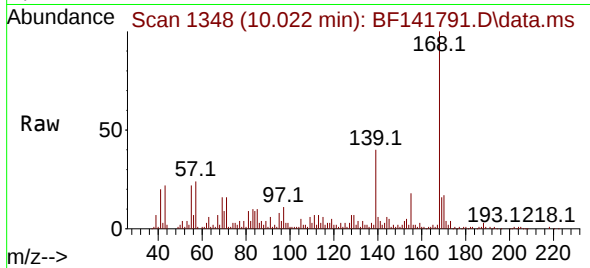
Tgt Ion:154 Resp: 50306
 Ion Ratio Lower Upper
 154 100
 153 115.0 89.2 133.8
 152 53.0 39.8 59.8





#55
Dibenzenofuran
Concen: 5.722 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

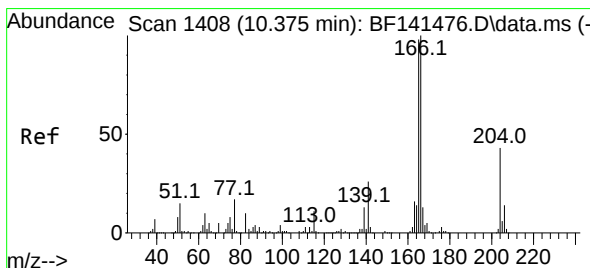
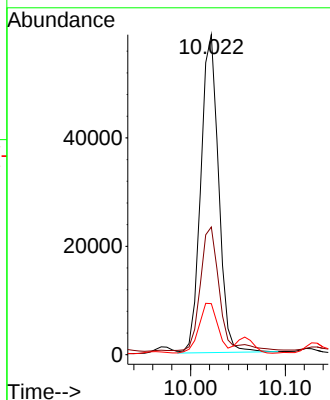
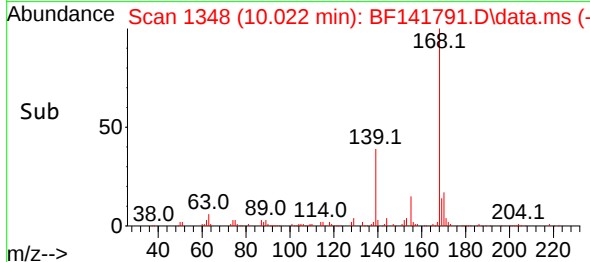
Instrument :
BNA_F
ClientSampleId :
NB-07-022525



Tgt Ion:168 Resp: 7649
Ion Ratio Lower Upper
168 100
139 39.9 32.7 49.1
169 16.0 10.8 16.2

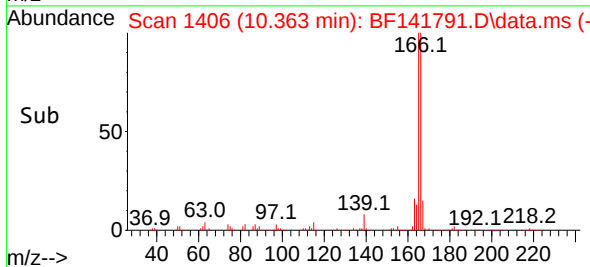
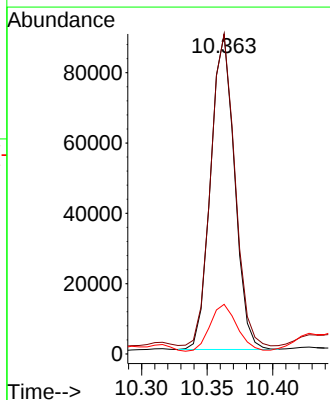
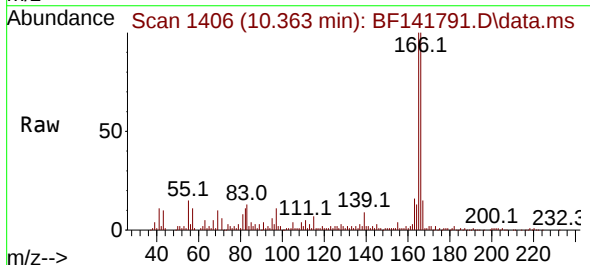
Manual Integrations
APPROVED

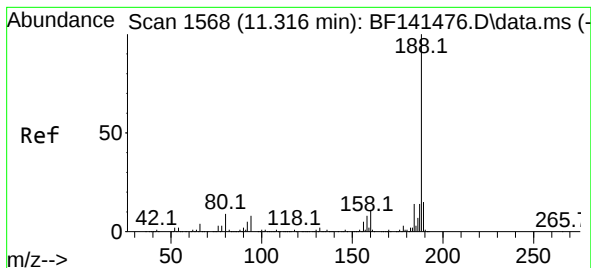
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025



#58
Fluorene
Concen: 10.967 ng
RT: 10.363 min Scan# 1406
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Tgt Ion:166 Resp: 113371
Ion Ratio Lower Upper
166 100
165 100.2 78.2 117.2
167 15.5 10.7 16.1





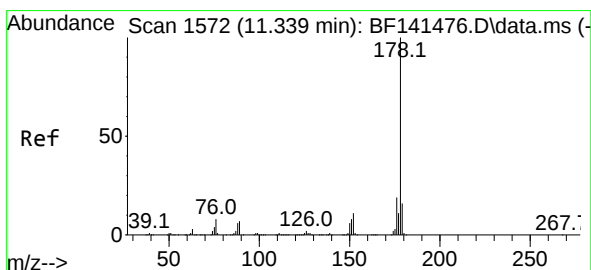
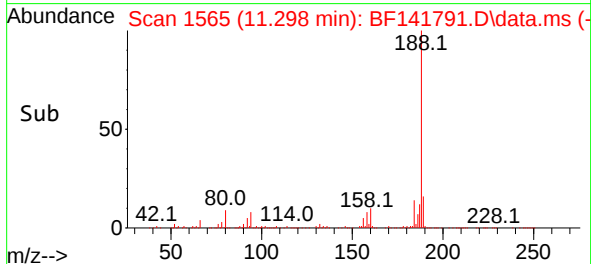
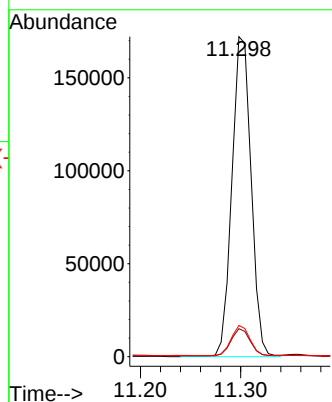
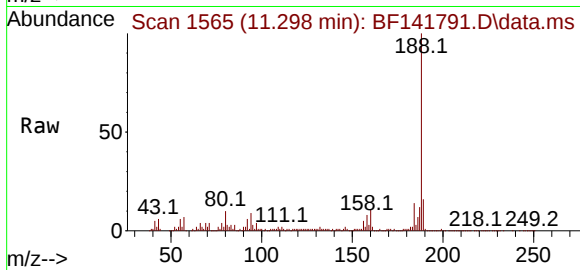
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.298 min Scan# 1568
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Instrument :
BNA_F
ClientSampleId :
NB-07-022525

Tgt Ion:188 Resp: 228620
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.8 7.3 10.9

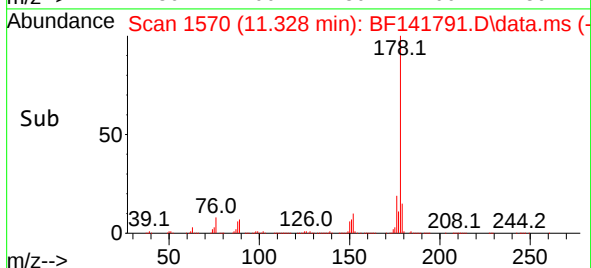
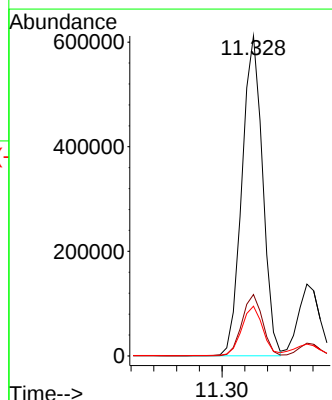
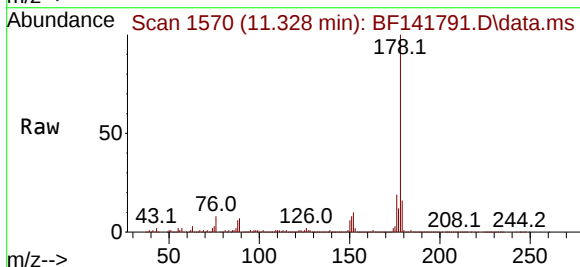
Manual Integrations
APPROVED

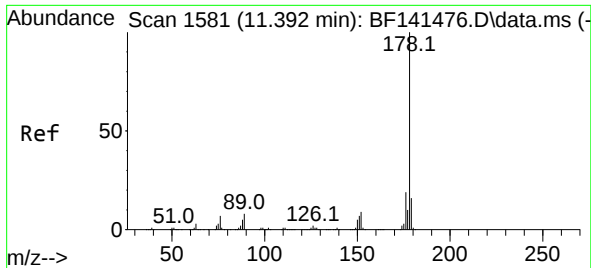
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025



#71
Phenanthrene
Concen: 61.330 ng
RT: 11.328 min Scan# 1570
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

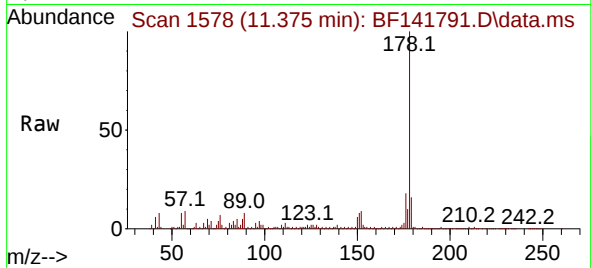
Tgt Ion:178 Resp: 771811
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.0
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 14.275 ng
 RT: 11.375 min Scan# 11
 Delta R.T. -0.023 min
 Lab File: BF141791.D
 Acq: 26 Feb 2025 19:25

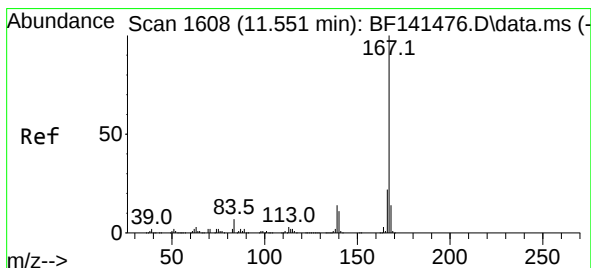
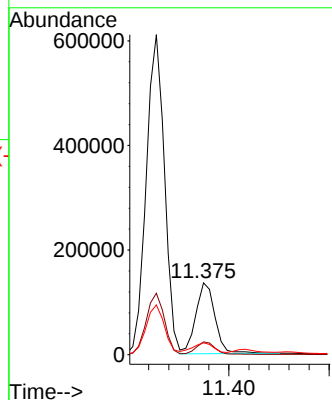
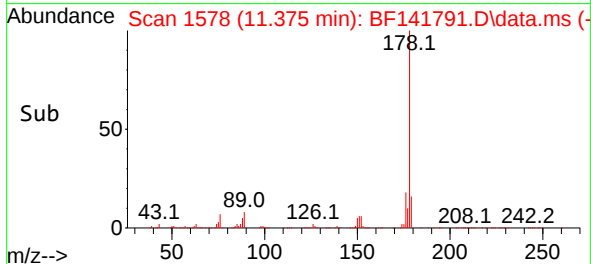
Instrument :
 BNA_F
 ClientSampleId :
 NB-07-022525



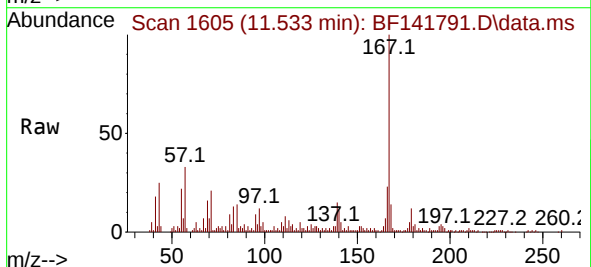
Tgt Ion:178 Resp: 180589
 Ion Ratio Lower Upper
 178 100
 176 17.7 14.8 22.2
 179 16.5 12.4 18.6

Manual Integrations
 APPROVED

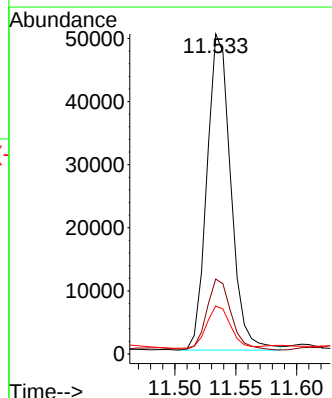
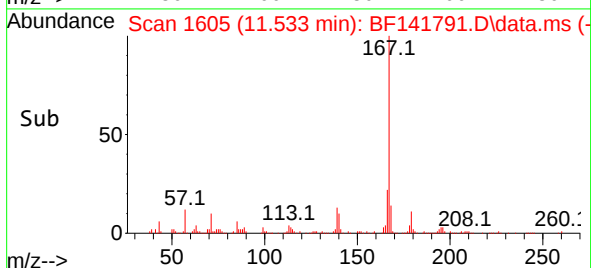
Reviewed By :Anahy Claudio 02/27/2025
 Supervised By :Jagrut Upadhyay 02/27/2025

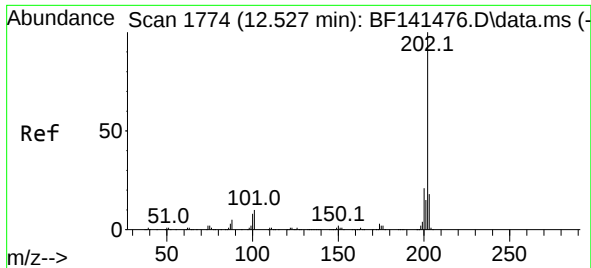


#73
 Carbazole
 Concen: 5.998 ng
 RT: 11.533 min Scan# 1605
 Delta R.T. -0.017 min
 Lab File: BF141791.D
 Acq: 26 Feb 2025 19:25



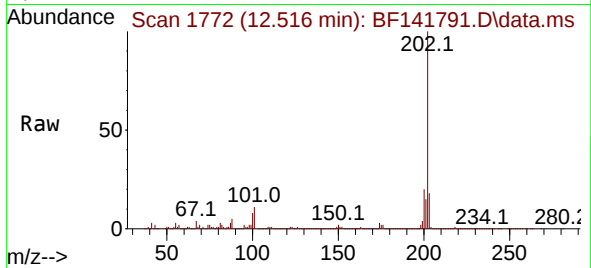
Tgt Ion:167 Resp: 68277
 Ion Ratio Lower Upper
 167 100
 166 23.4 17.4 26.2
 139 15.0 10.9 16.3





#75
Fluoranthene
Concen: 63.891 ng
RT: 12.516 min Scan# 11
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

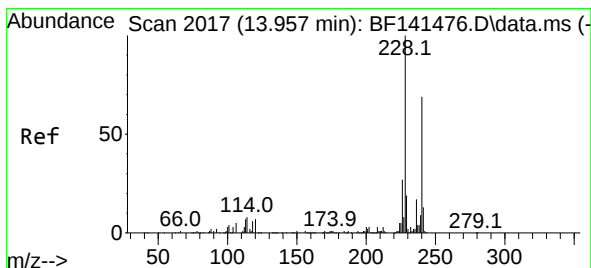
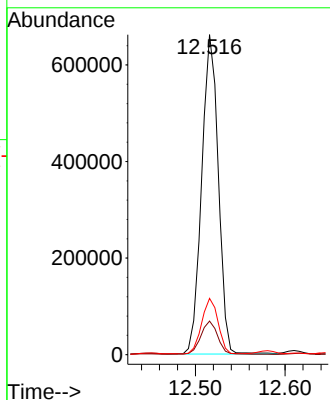
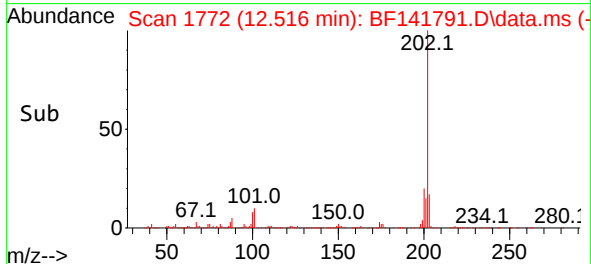
Instrument :
BNA_F
ClientSampleId :
NB-07-022525



Tgt Ion:202 Resp: 852430
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.2
203 17.6 0.0 37.6

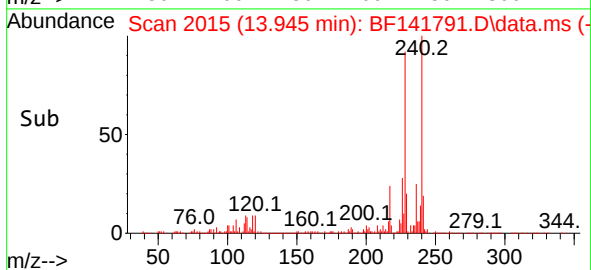
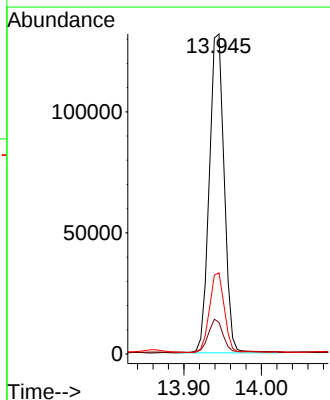
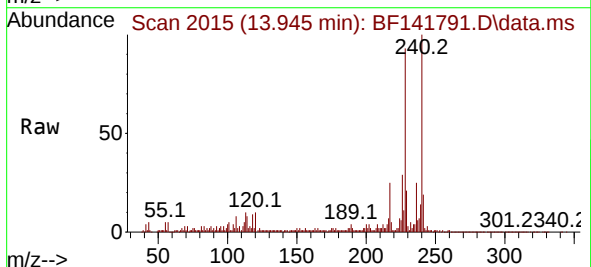
Manual Integrations
APPROVED

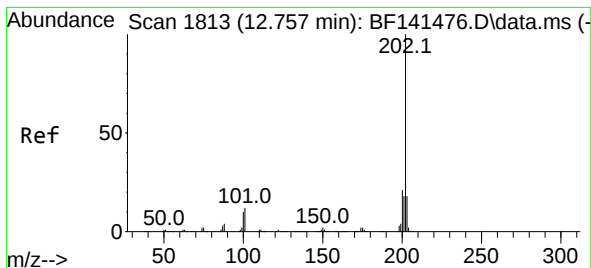
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.945 min Scan# 2015
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Tgt Ion:240 Resp: 175831
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.4 19.8 29.8





#78

Pyrene

Concen: 49.751 ng

RT: 12.745 min Scan# 1811

Delta R.T. -0.017 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

Instrument :

BNA_F

ClientSampleId :

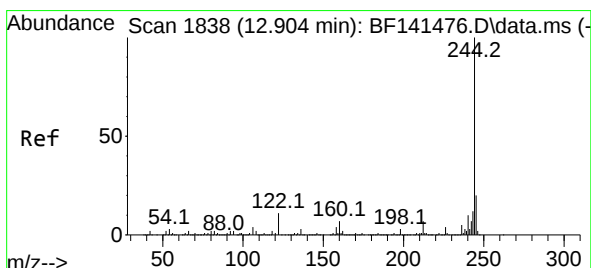
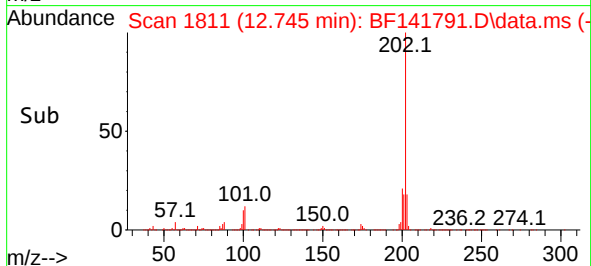
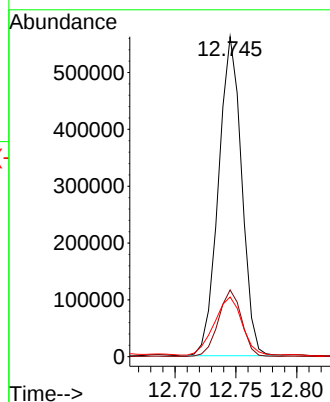
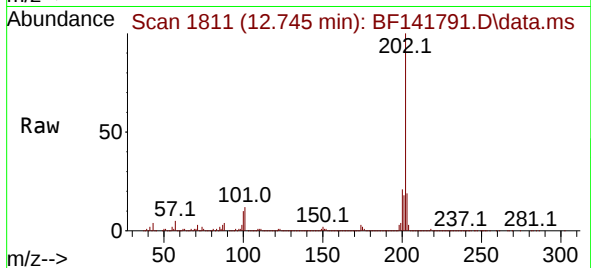
NB-07-022525

Tgt Ion:202 Resp: 744679
 Ion Ratio Lower Upper
 202 100
 200 20.8 17.0 25.4
 203 18.7 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/27/2025
 Supervised By :Jagrut Upadhyay 02/27/2025



#79

Terphenyl-d14

Concen: 22.411 ng

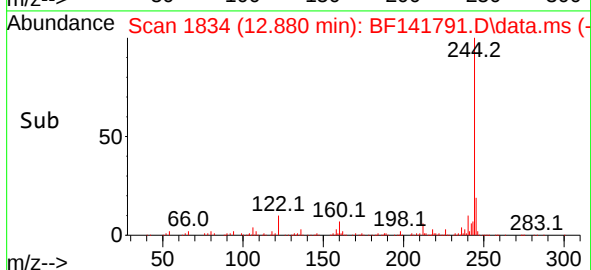
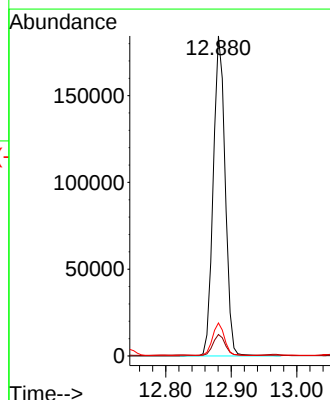
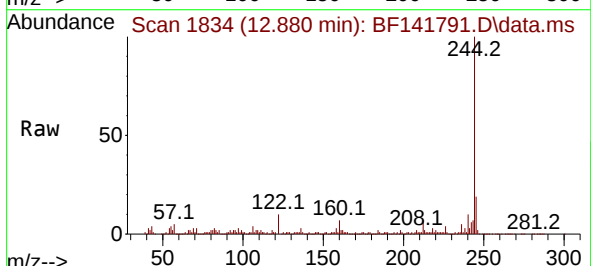
RT: 12.880 min Scan# 1834

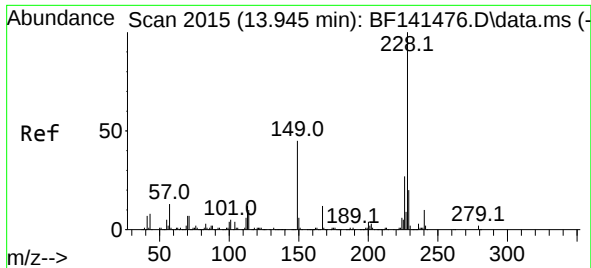
Delta R.T. -0.023 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

Tgt Ion:244 Resp: 233417
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 10.3 8.4 12.6





#81
Benzo(a)anthracene
Concen: 33.992 ng
RT: 13.933 min Scan# 2019
Delta R.T. -0.017 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Instrument :

BNA_F

ClientSampleId :

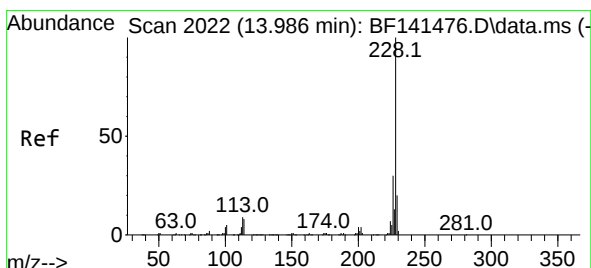
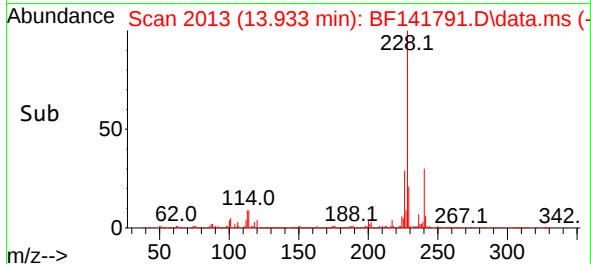
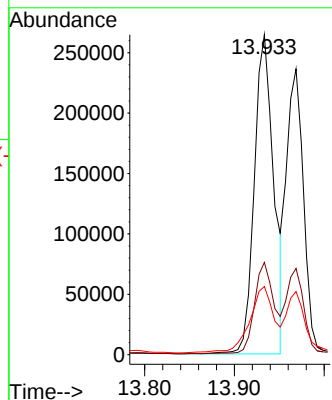
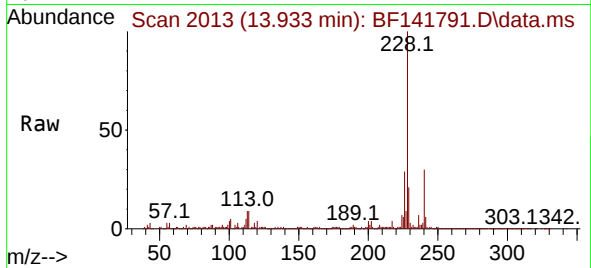
NB-07-022525

Tgt Ion:228 Resp: 397300
Ion Ratio Lower Upper
228 100
226 28.9 21.8 32.8
229 21.3 15.8 23.6

Manual Integrations

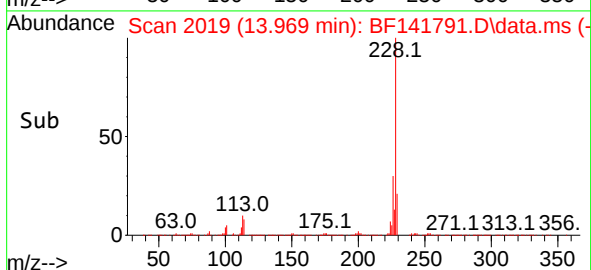
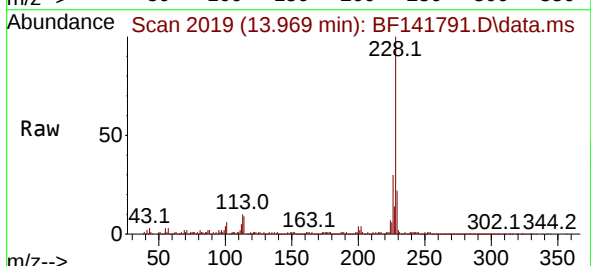
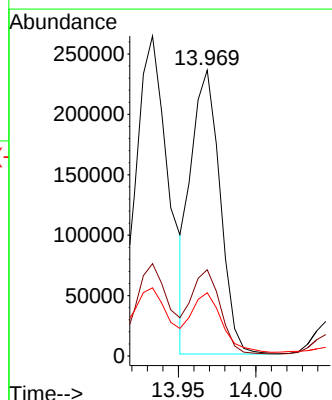
APPROVED

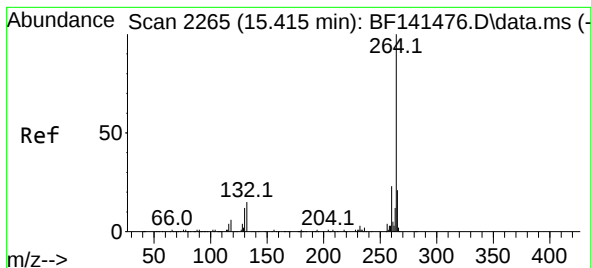
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025



#83
Chrysene
Concen: 28.419 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.023 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Tgt Ion:228 Resp: 306703
Ion Ratio Lower Upper
228 100
226 30.2 24.0 36.0
229 22.1 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.392 min Scan# 21

Delta R.T. -0.023 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

Instrument :

BNA_F

ClientSampleId :

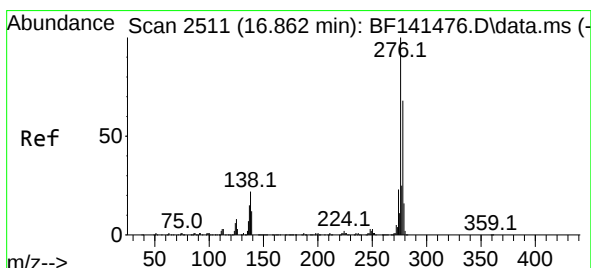
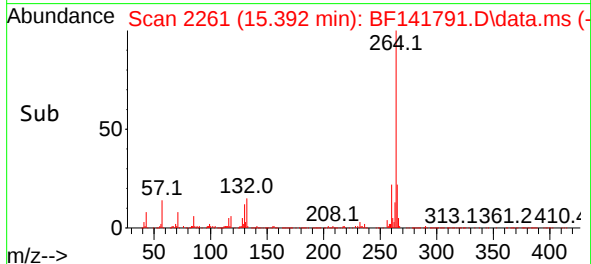
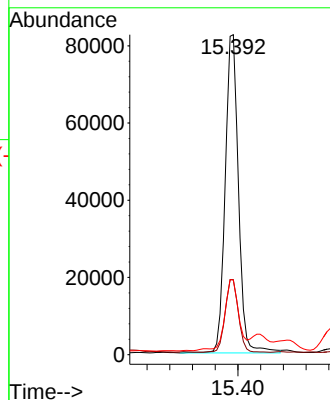
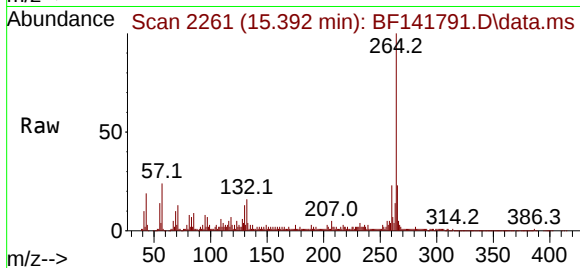
NB-07-022525

Tgt Ion:	264	Resp:	134118
Ion Ratio	Lower	Upper	
264	100		
260	23.4	18.6	28.0
265	23.3	17.0	25.4

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025



#87

Indeno(1,2,3-cd)pyrene

Concen: 13.148 ng

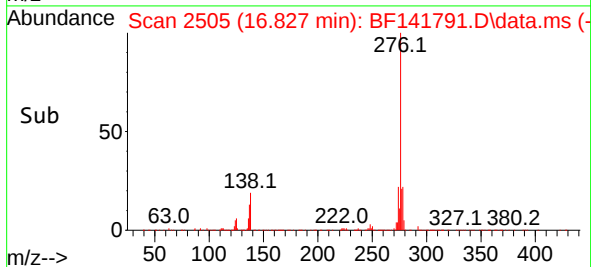
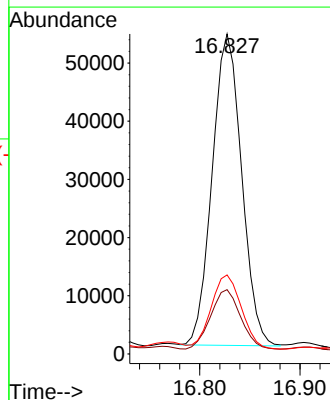
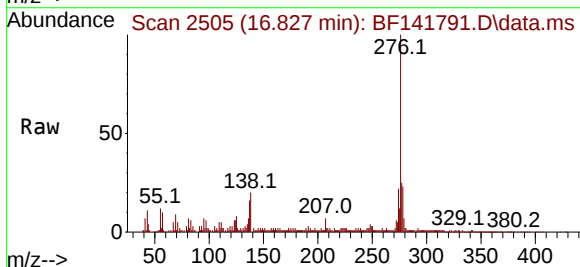
RT: 16.827 min Scan# 2505

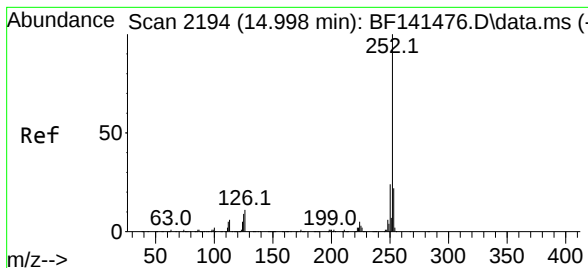
Delta R.T. -0.047 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

Tgt Ion:	276	Resp:	108958
Ion Ratio	Lower	Upper	
276	100		
138	19.7	18.0	27.0
277	24.6	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 36.557 ng m

RT: 14.974 min Scan# 2190

Delta R.T. -0.029 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

Instrument :

BNA_F

ClientSampleId :

NB-07-022525

Tgt Ion:252 Resp: 329200

Ion Ratio Lower Upper

252 100

253 23.6 17.5 26.3

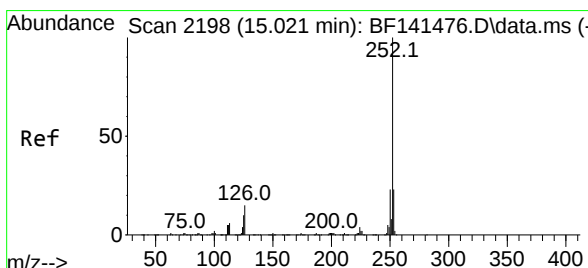
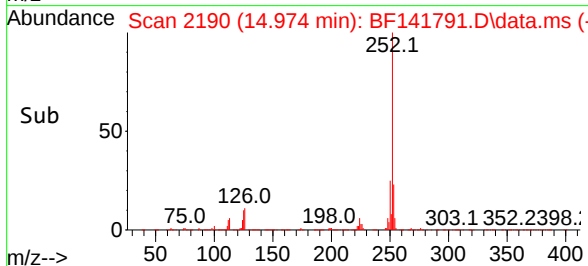
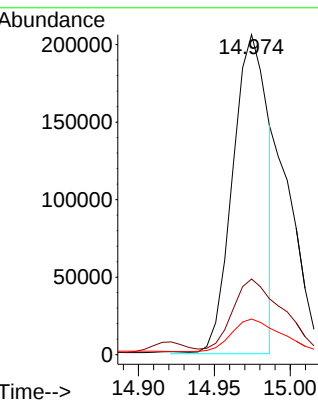
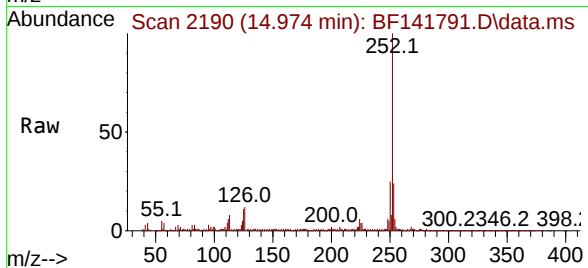
125 11.1 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/27/2025

Supervised By :Jagrut Upadhyay 02/27/2025



#89

Benzo(k)fluoranthene

Concen: 18.019 ng m

RT: 14.986 min Scan# 2192

Delta R.T. -0.047 min

Lab File: BF141791.D

Acq: 26 Feb 2025 19:25

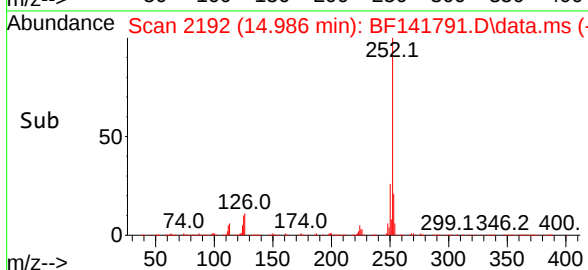
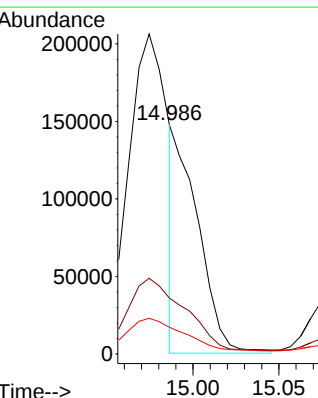
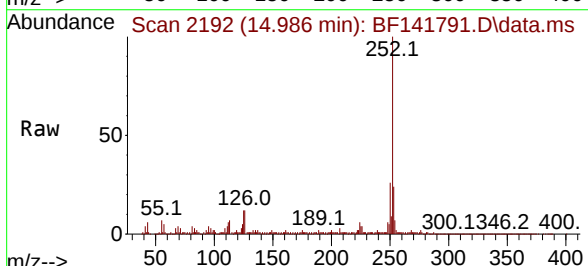
Tgt Ion:252 Resp: 138559

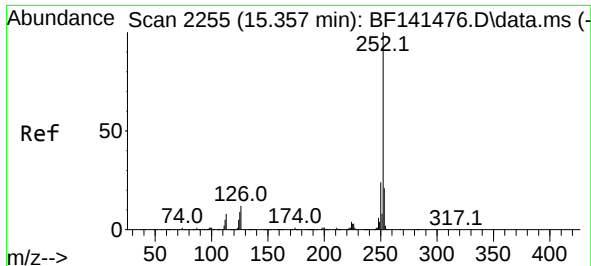
Ion Ratio Lower Upper

252 100

253 24.4 18.0 27.0

125 11.7 7.4 11.0#





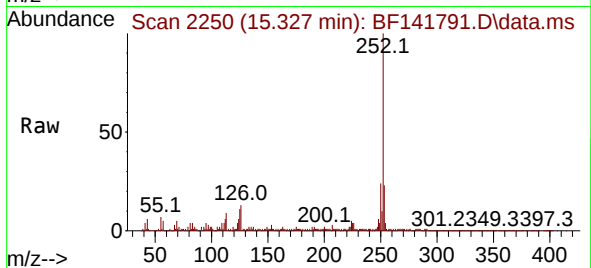
#90
Benzo(a)pyrene
Concen: 31.105 ng
RT: 15.327 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Instrument :

BNA_F

ClientSampleId :

NB-07-022525

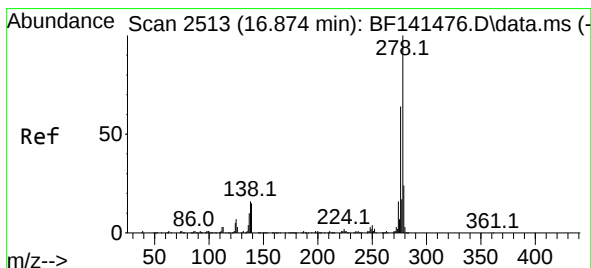
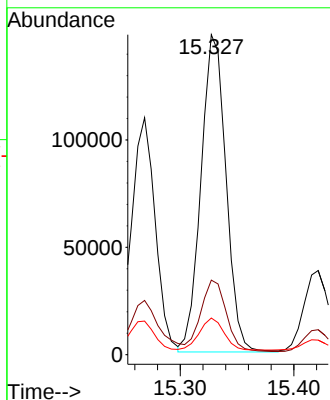
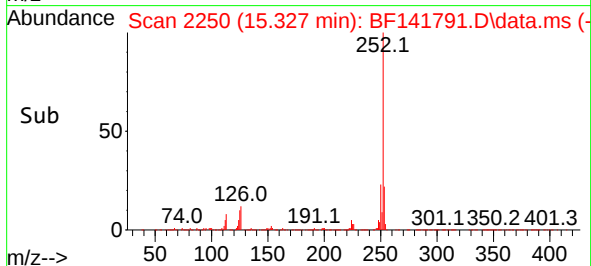


Tgt Ion:252 Resp: 226659
Ion Ratio Lower Upper
252 100
253 23.3 17.1 25.7
125 11.4 7.4 11.2

Manual Integrations

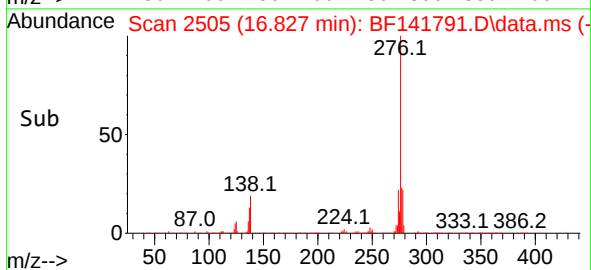
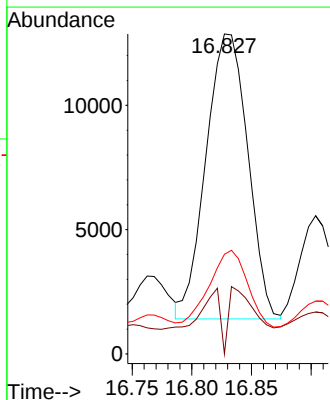
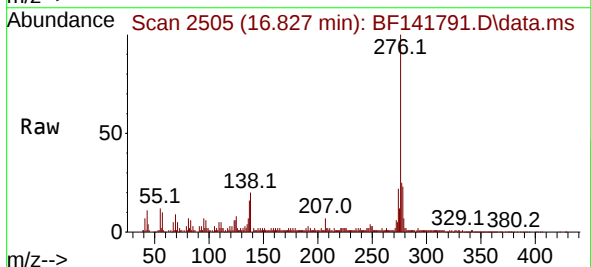
APPROVED

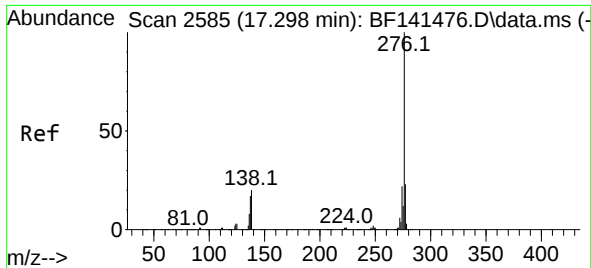
Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025



#91
Dibenzo(a,h)anthracene
Concen: 4.151 ng m
RT: 16.827 min Scan# 2505
Delta R.T. -0.064 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

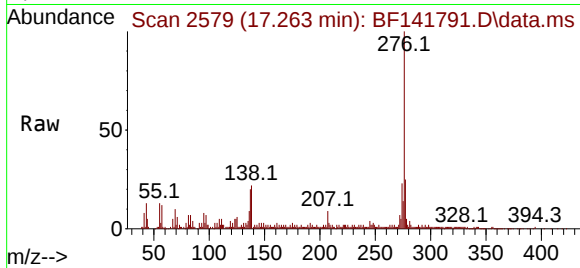
Tgt Ion:278 Resp: 27876
Ion Ratio Lower Upper
278 100
139 0.0 11.8 17.6#
279 31.2 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 14.608 ng
RT: 17.263 min Scan# 21
Delta R.T. -0.053 min
Lab File: BF141791.D
Acq: 26 Feb 2025 19:25

Instrument :
BNA_F
ClientSampleId :
NB-07-022525



Tgt Ion:276 Resp: 102648
Ion Ratio Lower Upper
276 100
277 24.6 18.6 28.0
138 21.5 15.9 23.9

Manual Integrations
APPROVED

Reviewed By :Anahy Claudio 02/27/2025
Supervised By :Jagrut Upadhyay 02/27/2025

