

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141527.D
 Acq On : 07 Feb 2025 23:53
 Operator : RC/JU
 Sample : Q1232-11 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-42.1-012925

Manual Integrations
 APPROVED

Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 08 00:34:19 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	6.793	152	81132	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	300029	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	147138	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	226182	20.000	ng	0.00
76) Chrysene-d12	13.963	240	133028	20.000	ng	0.00
86) Perylene-d12	15.439	264	108190	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	86054	16.629	ng	0.00
7) Phenol-d6	6.428	99	285867	43.705	ng	-0.01
23) Nitrobenzene-d5	7.351	82	184712	32.111	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	10371	7.017	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	350964	36.749	ng	0.00
79) Terphenyl-d14	12.904	244	311399	39.518	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.863	154	28474	3.376	ng	98
58) Fluorene	10.375	166	26997	2.820	ng	# 99
71) Phenanthrene	11.339	178	348527	27.993	ng	99
72) Anthracene	11.392	178	103865	8.299	ng	98
75) Fluoranthene	12.533	202	477148	36.148	ng	99
78) Pyrene	12.763	202	435351	38.444	ng	98
81) Benzo(a)anthracene	13.957	228	176434	19.952	ng	97
83) Chrysene	13.992	228	132233	16.195	ng	97
84) Bis(2-ethylhexyl)phtha...	13.945	149	9098	2.057	ng	# 93
87) Indeno(1,2,3-cd)pyrene	16.886	276	52470	7.849	ng	95
88) Benzo(b)fluoranthene	15.016	252	130271m	17.933	ng	
89) Benzo(k)fluoranthene	15.027	252	65836m	10.613	ng	
90) Benzo(a)pyrene	15.374	252	109532	18.634	ng	# 93
91) Dibenzo(a,h)anthracene	16.892	278	13566	2.504	ng	# 74
92) Benzo(g,h,i)perylene	17.321	276	53835	9.497	ng	95

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

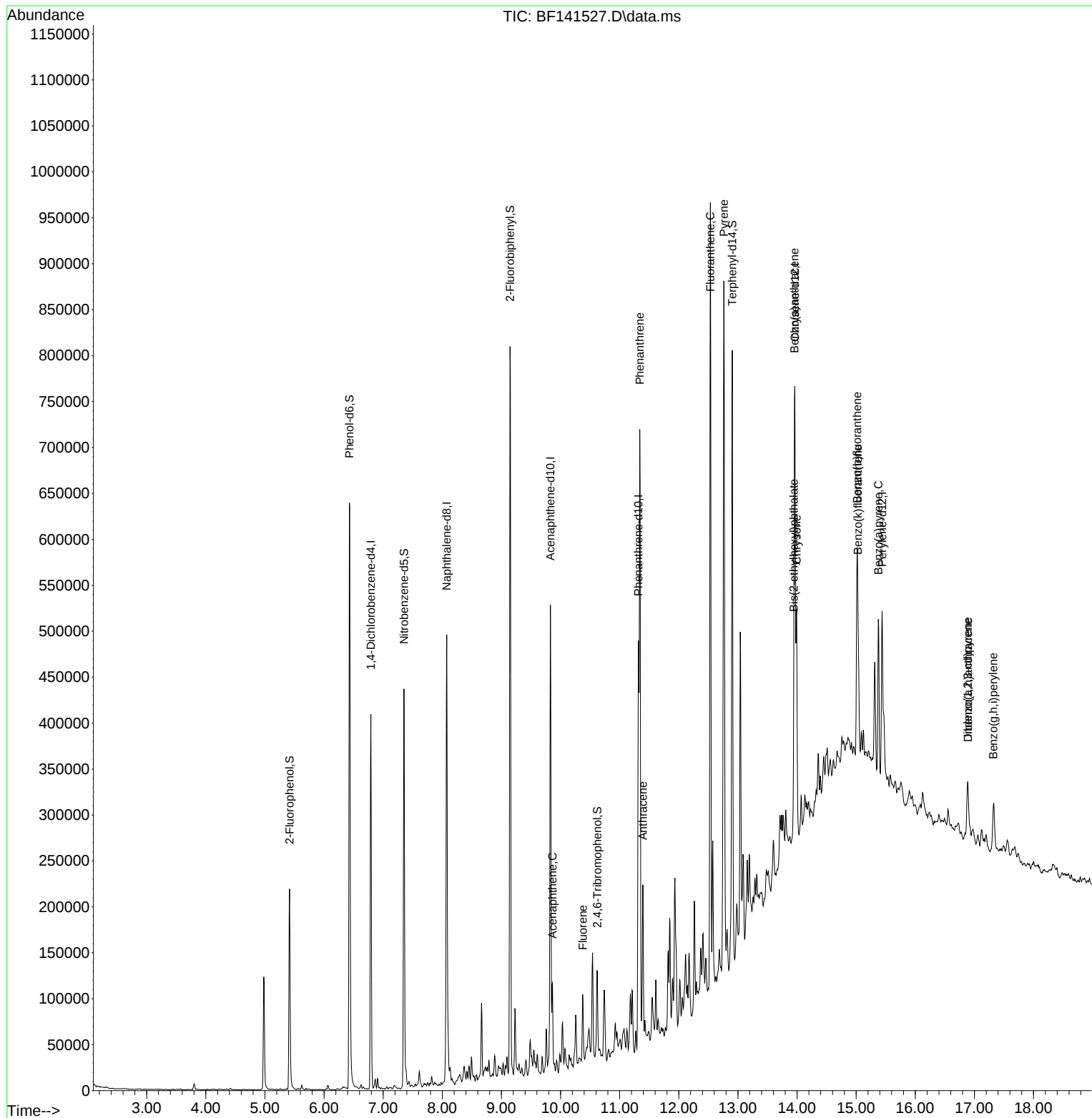
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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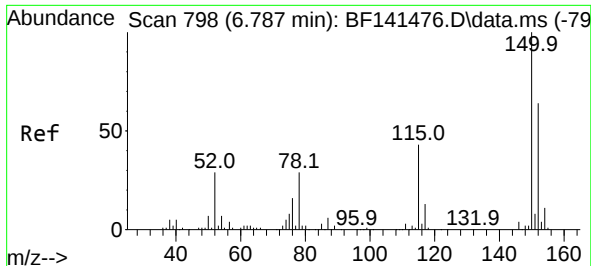
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Quant Time: Feb 08 00:34:19 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
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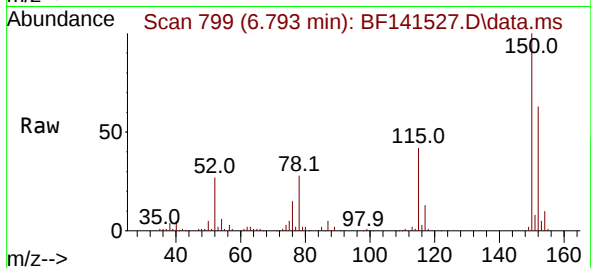
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 798
Delta R.T. 0.001 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

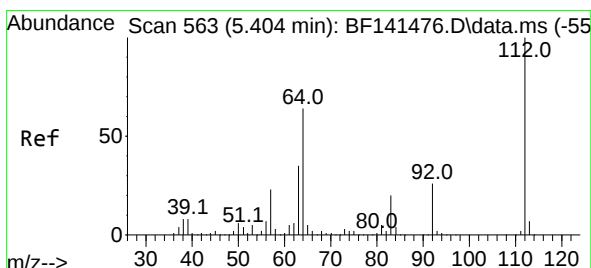
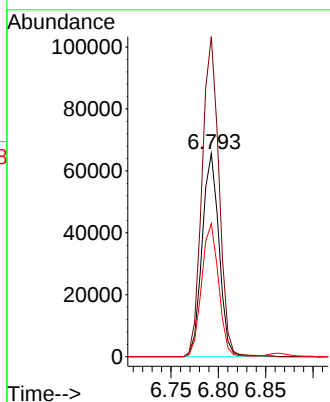
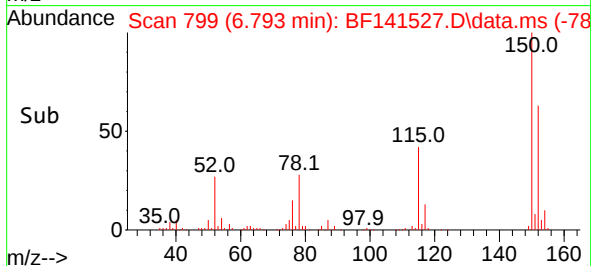
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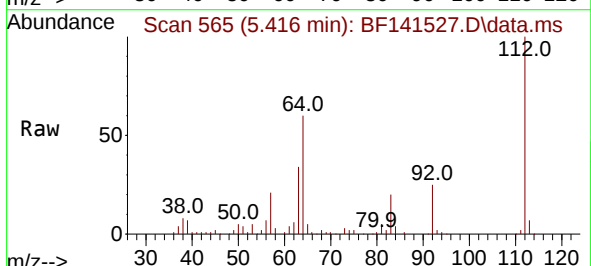
Tgt Ion:152 Resp: 81132
Ion Ratio Lower Upper
152 100
150 157.6 125.0 187.4
115 65.5 53.6 80.4

Manual Integrations
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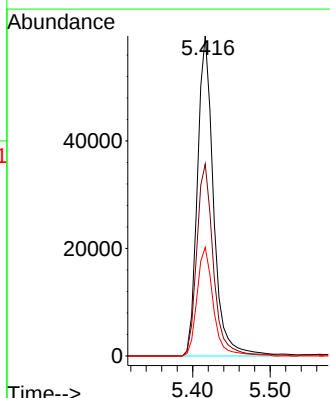
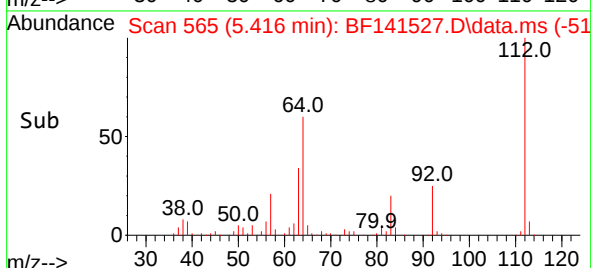
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#5
2-Fluorophenol
Concen: 16.629 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53



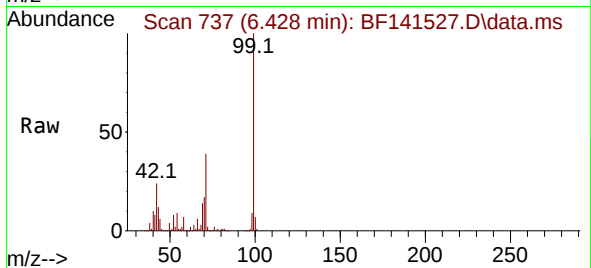
Tgt Ion:112 Resp: 86054
Ion Ratio Lower Upper
112 100
64 60.0 51.1 76.7
63 33.9 28.4 42.6





#7
Phenol-d6
Concen: 43.705 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

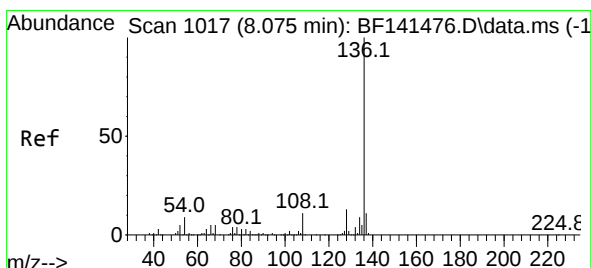
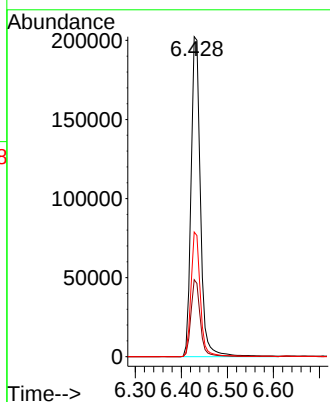
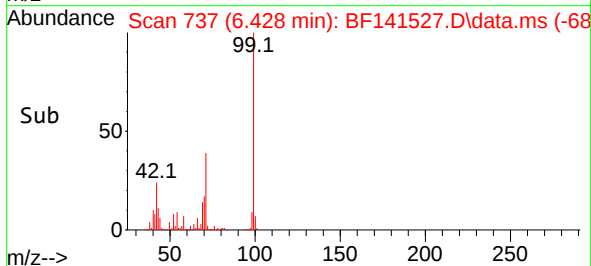
Instrument :
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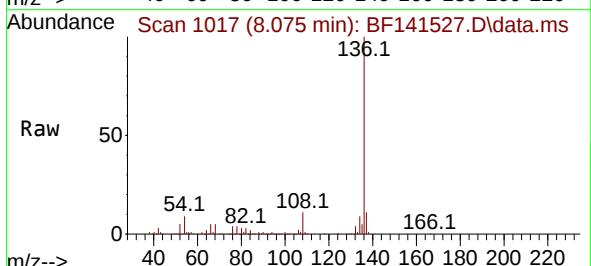
Tgt Ion: 99 Resp: 28586
Ion Ratio Lower Upper
99 100
42 24.0 19.1 28.7
71 38.9 31.1 46.7

Manual Integrations
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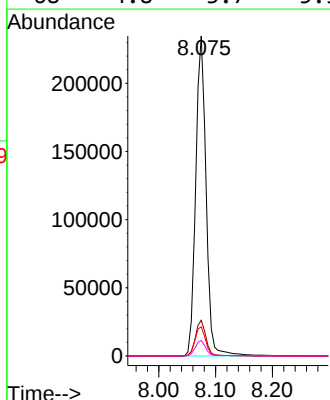
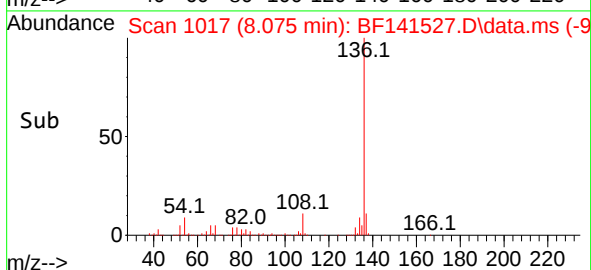
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

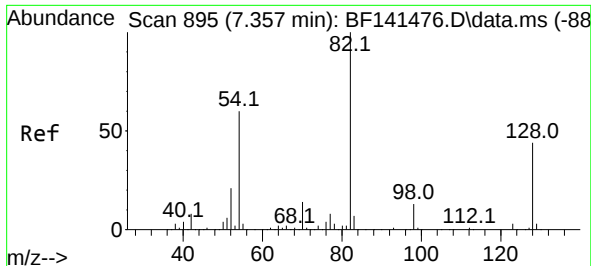


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53



Tgt Ion:136 Resp: 300029
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 9.1 7.2 10.8
68 4.8 3.7 5.5





#23

Nitrobenzene-d5

Concen: 32.111 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

Tgt Ion: 82 Resp: 18471

Ion Ratio Lower Upper

82 100

128 42.4 34.8 52.2

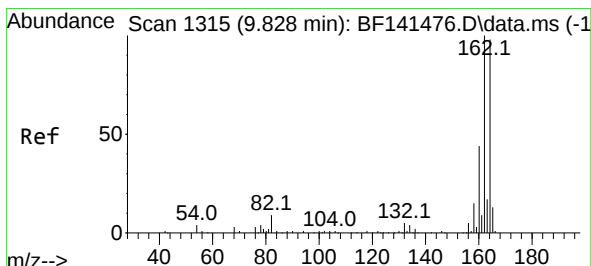
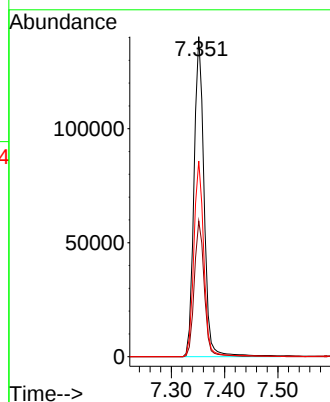
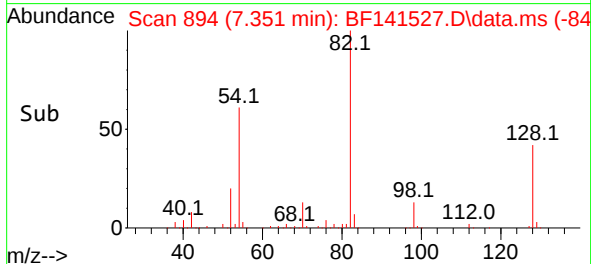
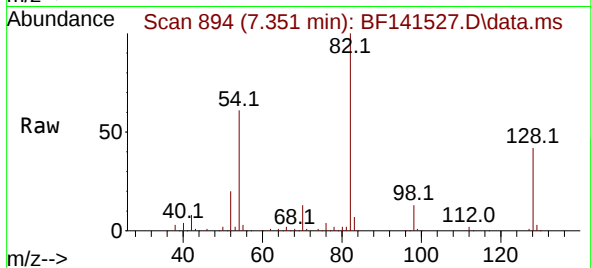
54 61.1 48.2 72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.828 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

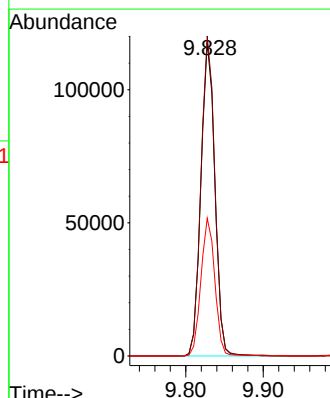
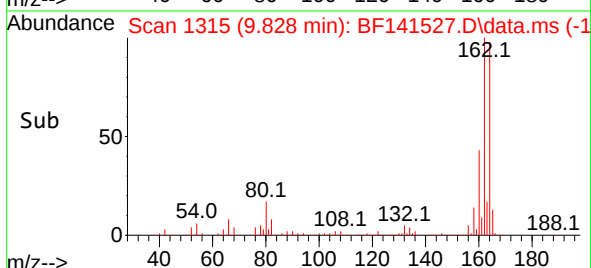
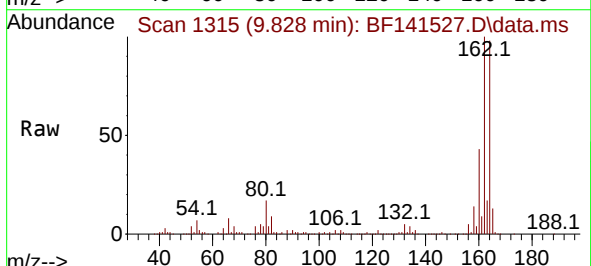
Tgt Ion:164 Resp: 147138

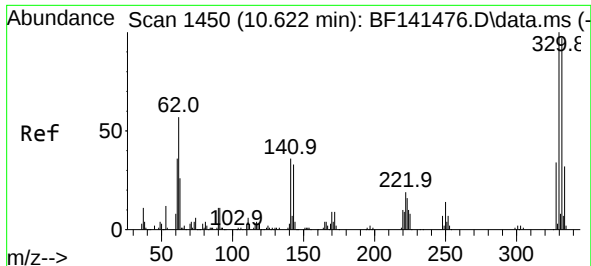
Ion Ratio Lower Upper

164 100

162 102.0 81.3 121.9

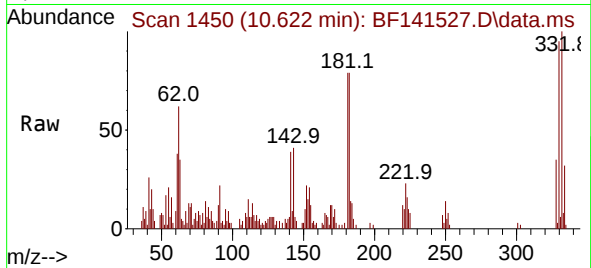
160 43.9 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 7.017 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

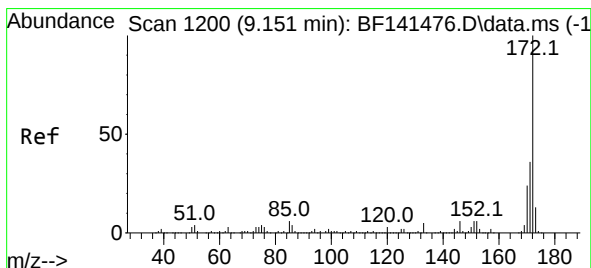
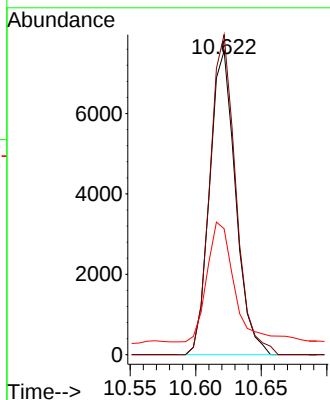
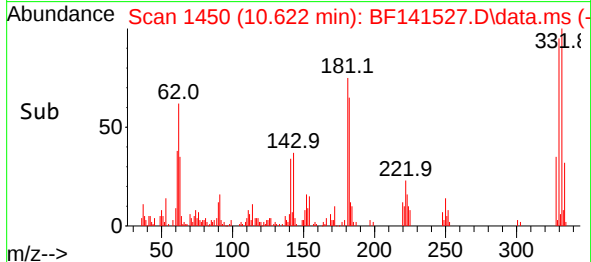
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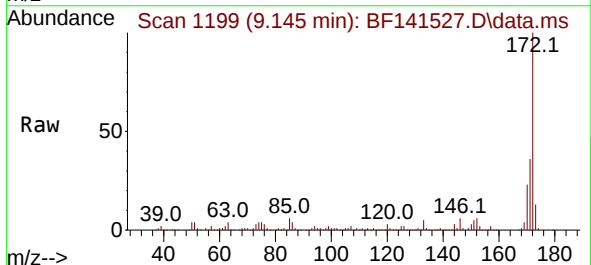
Tgt Ion: 330 Resp: 1037
Ion Ratio Lower Upper
330 100
332 105.0 78.5 117.7
141 43.9 31.0 46.4

Manual Integrations
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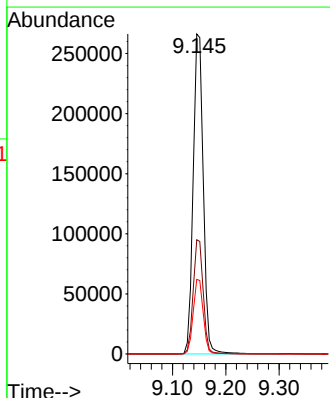
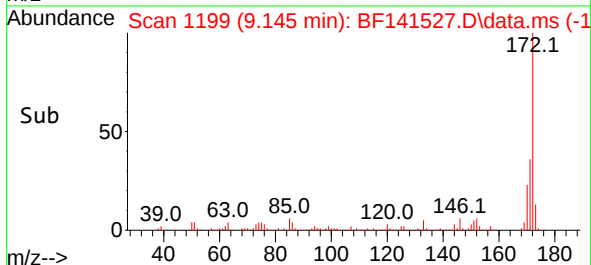
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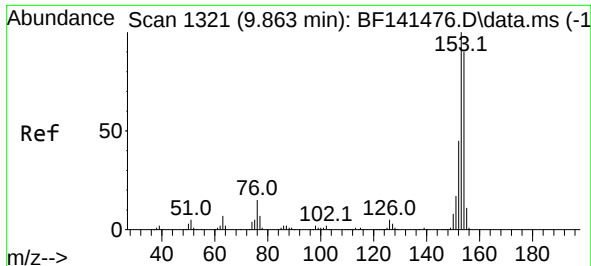


#45
2-Fluorobiphenyl
Concen: 36.749 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53



Tgt Ion: 172 Resp: 350964
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.3 18.9 28.3





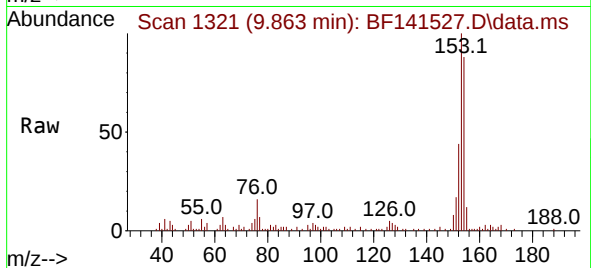
#52
Acenaphthene
Concen: 3.376 ng
RT: 9.863 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

JPP-42.1-012925

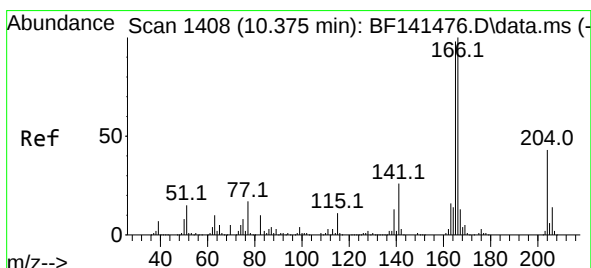
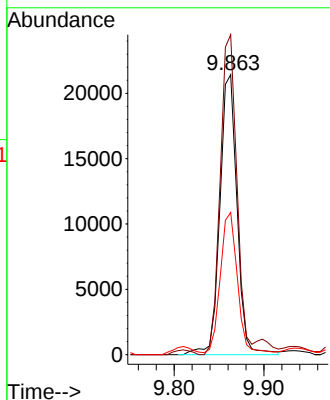
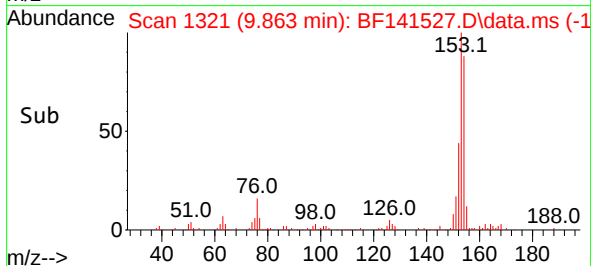


Tgt Ion:154 Resp: 28474
Ion Ratio Lower Upper
154 100
153 114.3 89.2 133.8
152 50.8 39.8 59.8

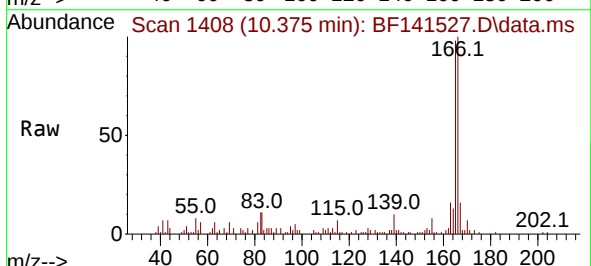
Manual Integrations

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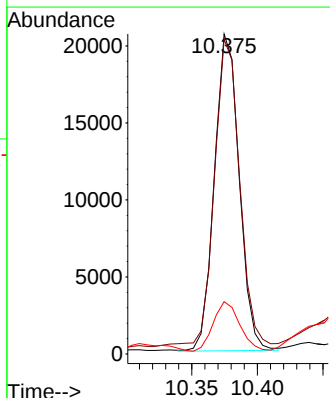
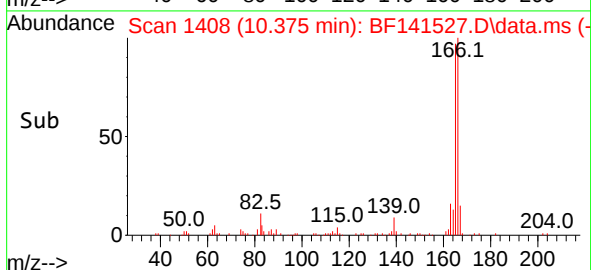
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

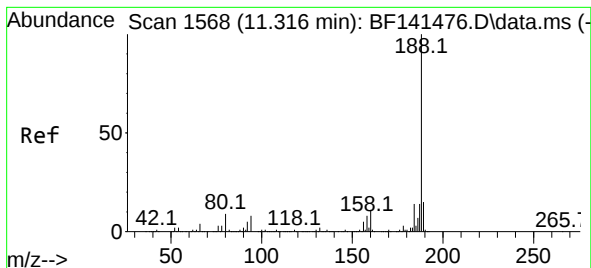


#58
Fluorene
Concen: 2.820 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53



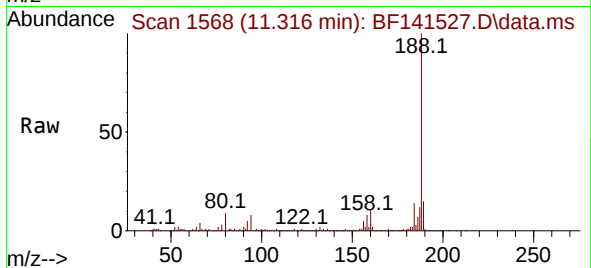
Tgt Ion:166 Resp: 26997
Ion Ratio Lower Upper
166 100
165 98.3 78.2 117.2
167 16.3 10.7 16.1#





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

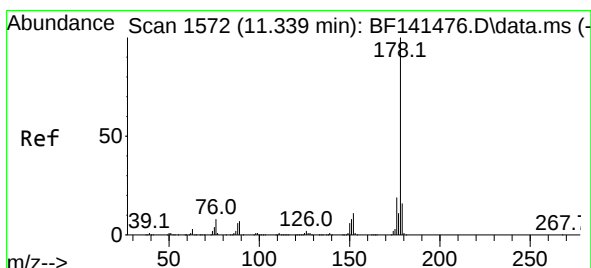
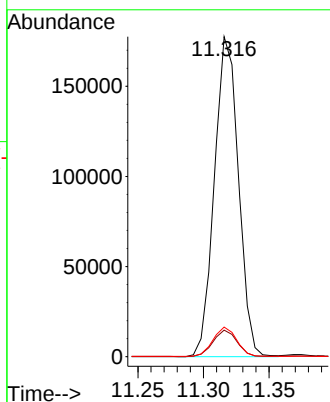
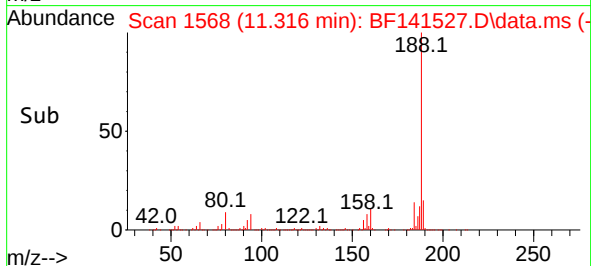
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Tgt Ion:188 Resp: 22618
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.3 7.3 10.9

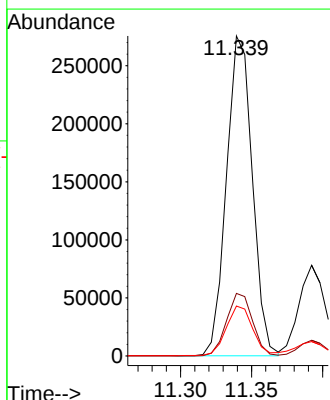
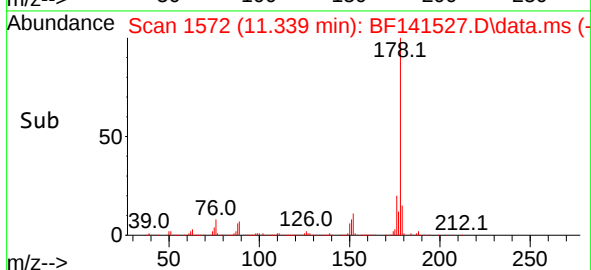
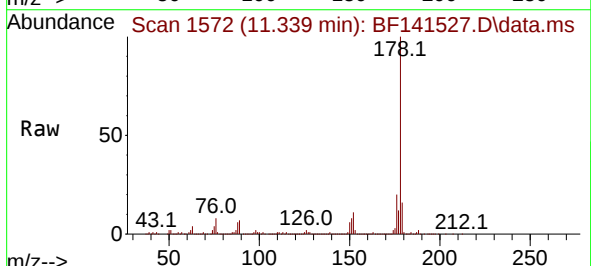
Manual Integrations
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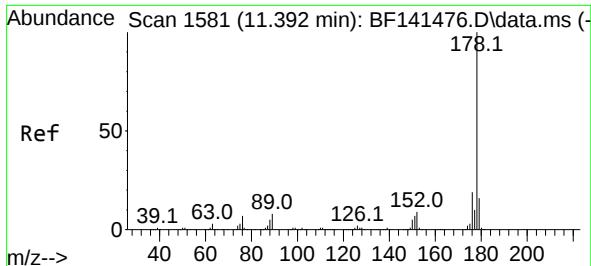
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#71
Phenanthrene
Concen: 27.993 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

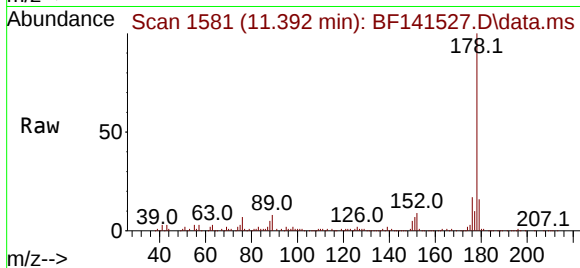
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Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.6 12.4 18.6





#72
 Anthracene
 Concen: 8.299 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141527.D
 Acq: 07 Feb 2025 23:53

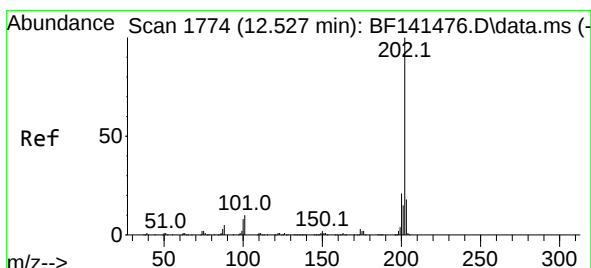
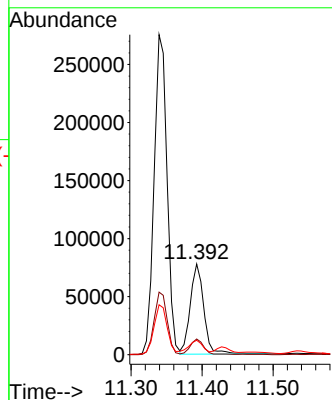
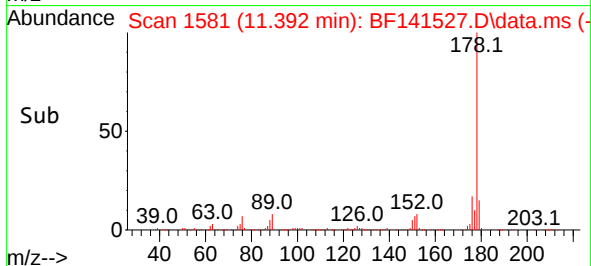
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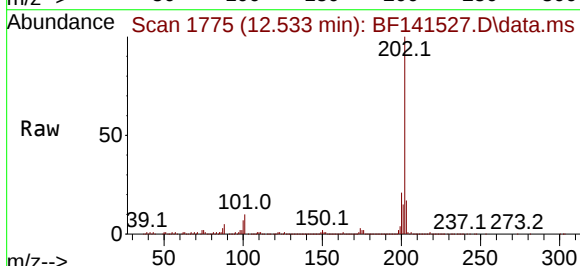
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 Ion Ratio Lower Upper
 178 100
 176 17.3 14.8 22.2
 179 15.8 12.4 18.6

Manual Integrations
 APPROVED

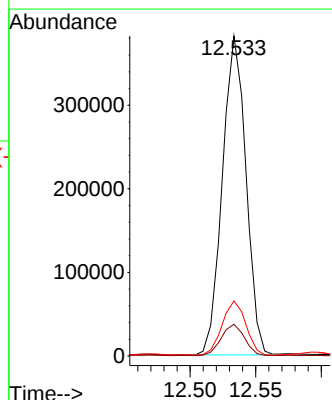
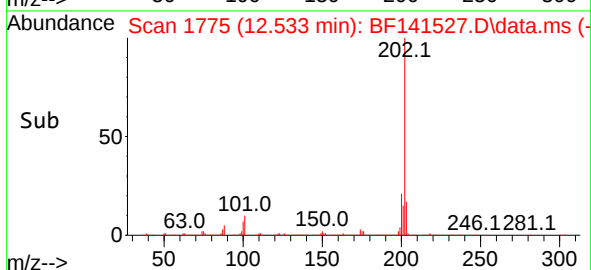
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

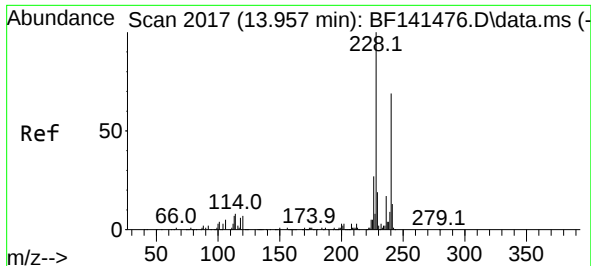


#75
 Fluoranthene
 Concen: 36.148 ng
 RT: 12.533 min Scan# 1775
 Delta R.T. 0.000 min
 Lab File: BF141527.D
 Acq: 07 Feb 2025 23:53



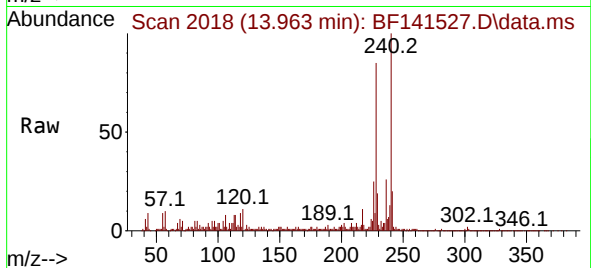
Tgt Ion:202 Resp: 477148
 Ion Ratio Lower Upper
 202 100
 101 9.9 0.0 30.2
 203 17.2 0.0 37.6





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

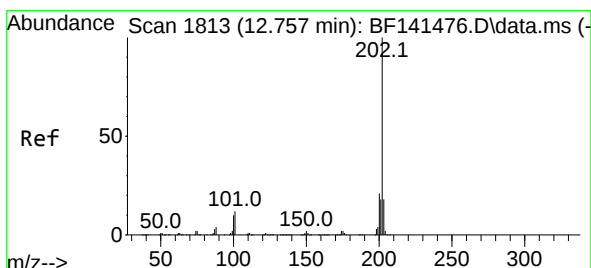
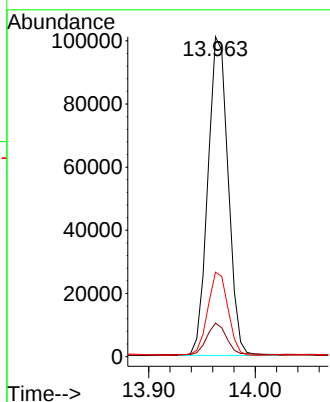
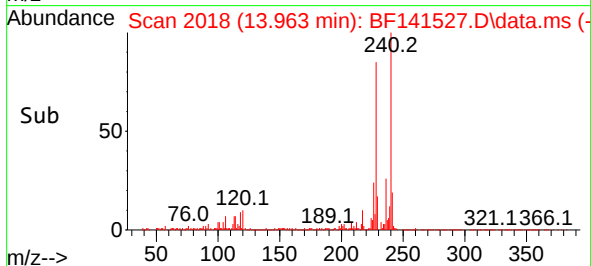
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925



Tgt Ion:240 Resp: 133028
Ion Ratio Lower Upper
240 100
120 10.5 8.0 12.0
236 26.4 19.8 29.8

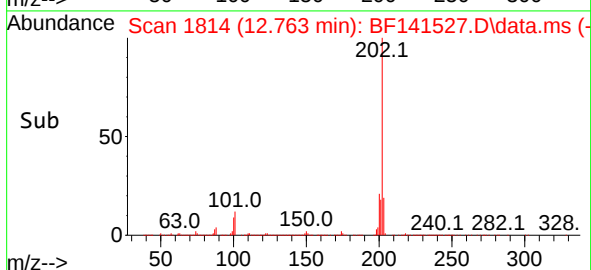
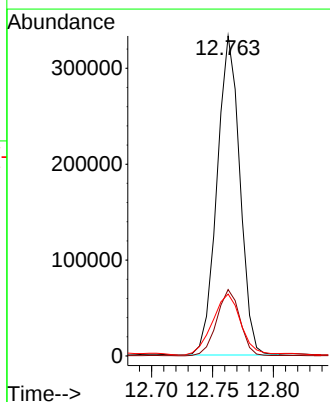
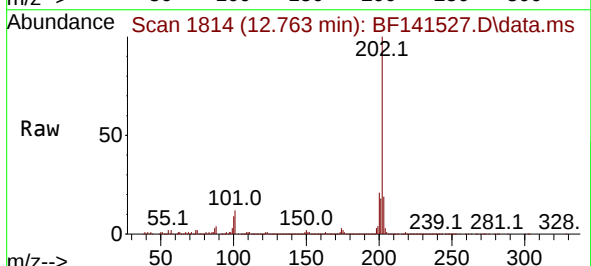
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APPROVED

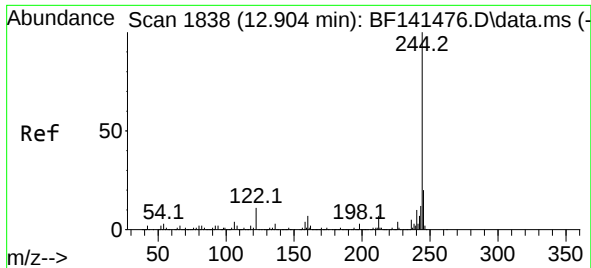
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#78
Pyrene
Concen: 38.444 ng
RT: 12.763 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

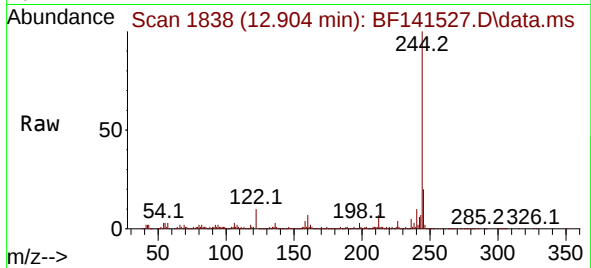
Tgt Ion:202 Resp: 435351
Ion Ratio Lower Upper
202 100
200 20.8 17.0 25.4
203 19.4 14.3 21.5





#79
Terphenyl-d14
Concen: 39.518 ng
RT: 12.904 min Scan# 1838
Delta R.T. 0.000 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

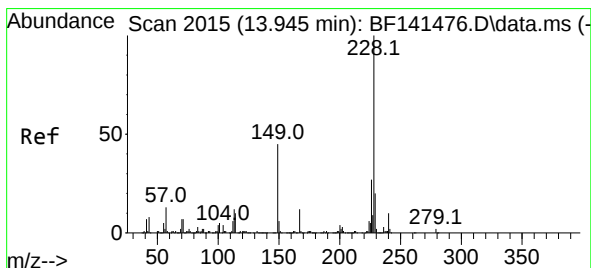
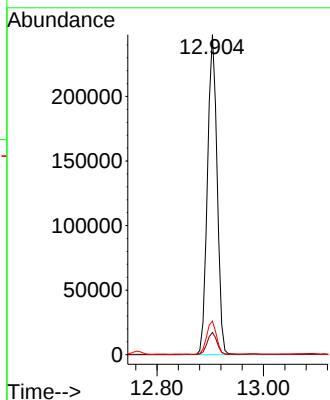
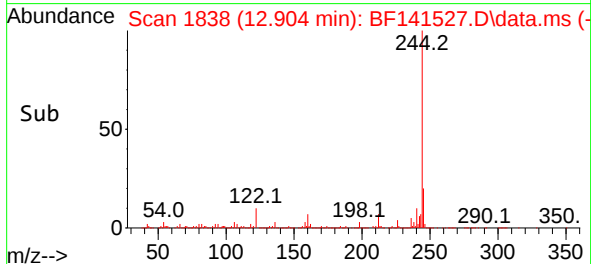
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925



Tgt Ion:244 Resp: 311395
Ion Ratio Lower Upper
244 100
212 7.0 5.6 8.4
122 10.5 8.4 12.6

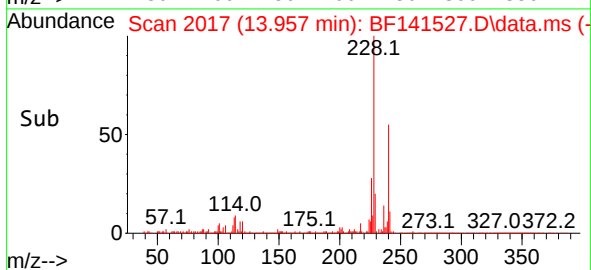
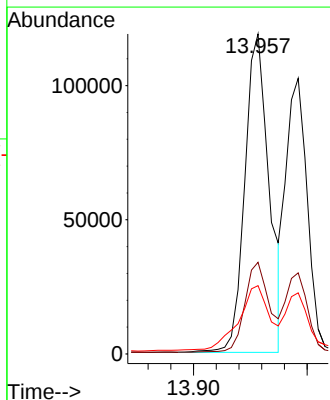
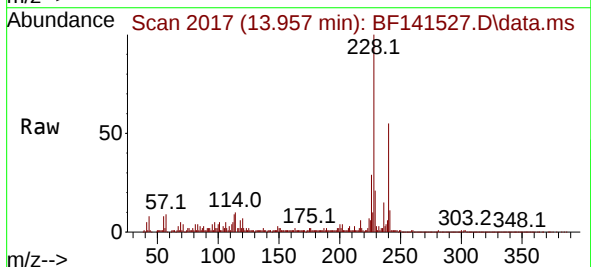
Manual Integrations
APPROVED

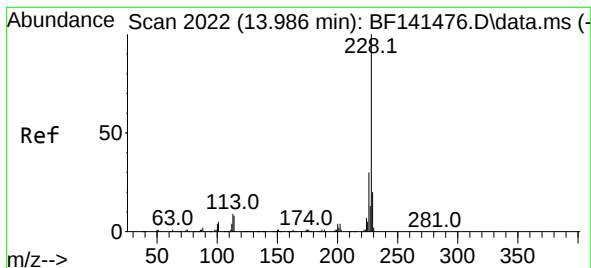
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#81
Benzo(a)anthracene
Concen: 19.952 ng
RT: 13.957 min Scan# 2017
Delta R.T. 0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion:228 Resp: 176434
Ion Ratio Lower Upper
228 100
226 28.6 21.8 32.8
229 21.4 15.8 23.6





#83

Chrysene

Concen: 16.195 ng

RT: 13.992 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

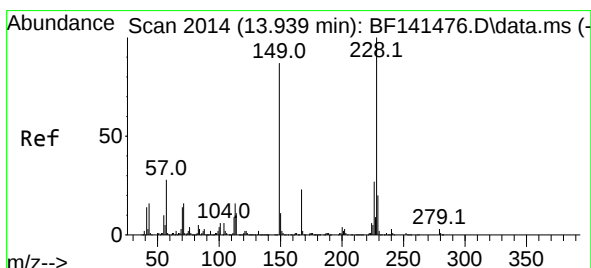
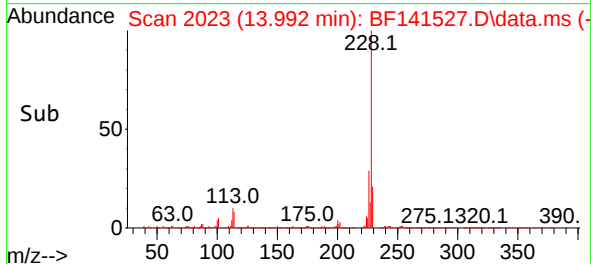
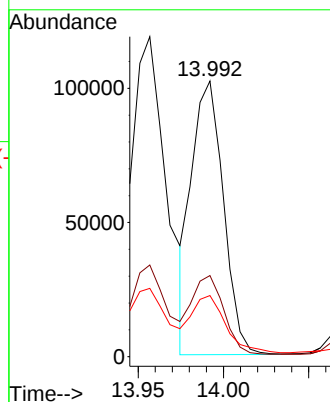
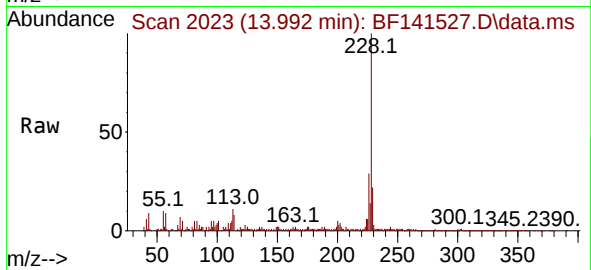
JPP-42.1-012925

Tgt Ion:228 Resp: 13223
 Ion Ratio Lower Upper
 228 100
 226 29.4 24.0 36.0
 229 22.2 15.7 23.5

Manual Integrations

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Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.057 ng

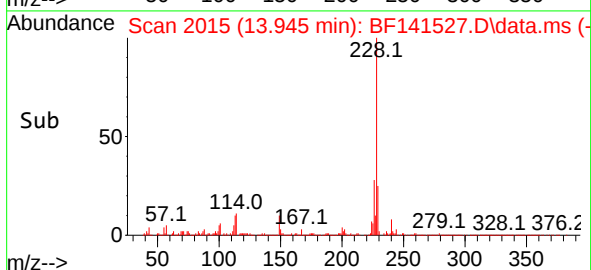
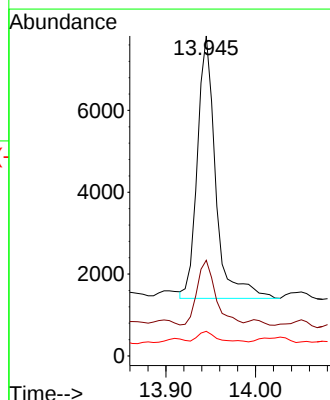
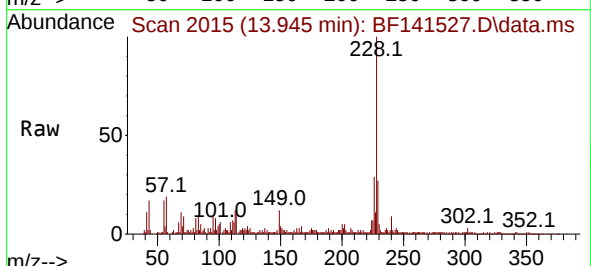
RT: 13.945 min Scan# 2015

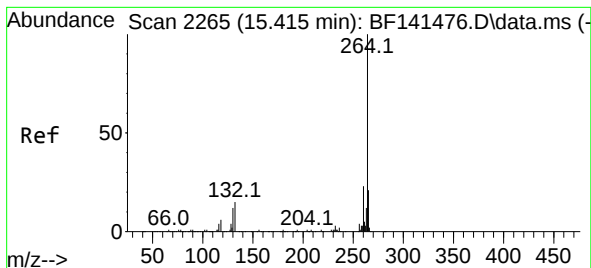
Delta R.T. 0.006 min

Lab File: BF141527.D

Acq: 07 Feb 2025 23:53

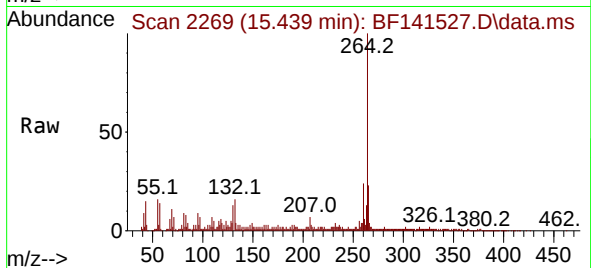
Tgt Ion:149 Resp: 9098
 Ion Ratio Lower Upper
 149 100
 167 29.9 21.4 32.0
 279 7.7 3.1 4.7#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 21
Delta R.T. 0.024 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

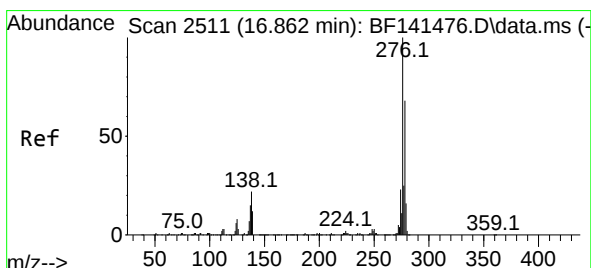
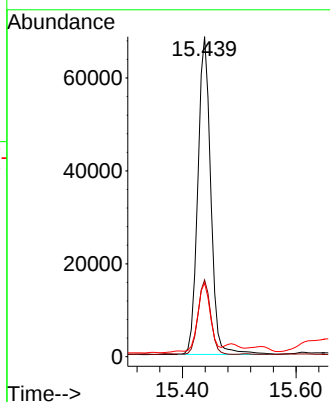
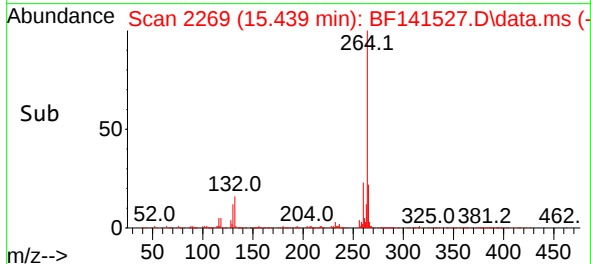
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925



Tgt Ion:264 Resp: 108190
Ion Ratio Lower Upper
264 100
260 24.0 18.6 28.0
265 23.0 17.0 25.4

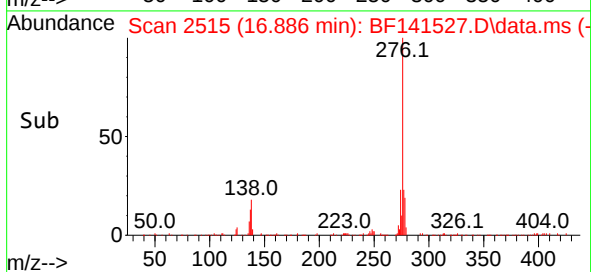
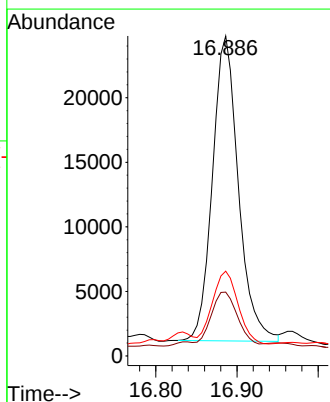
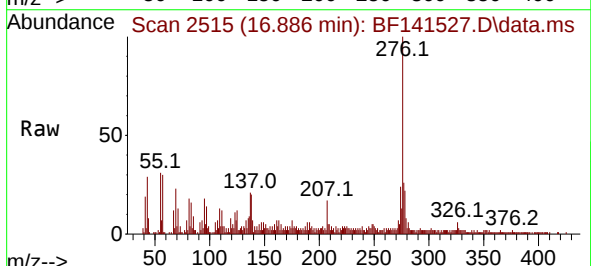
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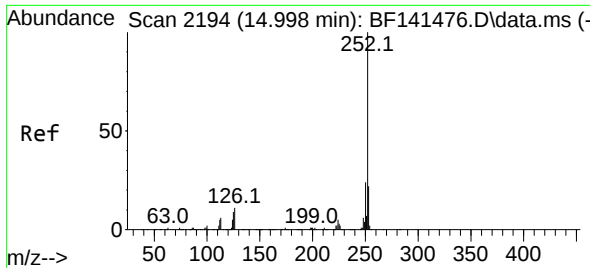
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 7.849 ng
RT: 16.886 min Scan# 2515
Delta R.T. 0.012 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

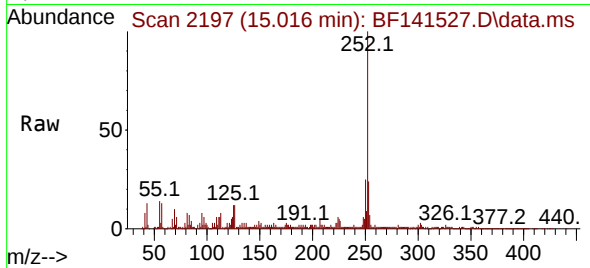
Tgt Ion:276 Resp: 52470
Ion Ratio Lower Upper
276 100
138 19.0 18.0 27.0
277 23.8 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 17.933 ng m
RT: 15.016 min Scan# 2194
Delta R.T. 0.012 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

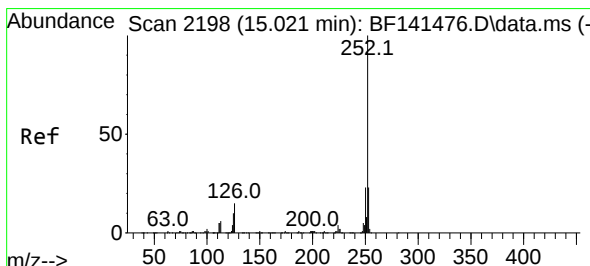
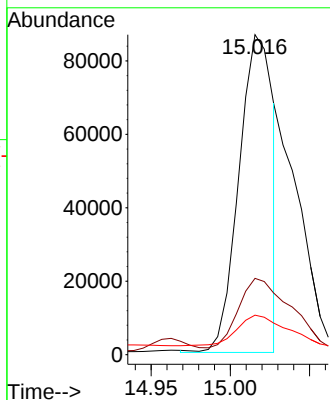
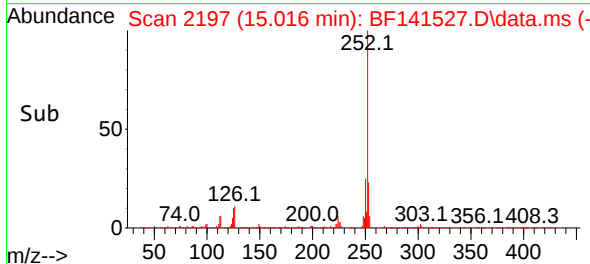
Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925



Tgt Ion:252 Resp: 13027
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 12.4 7.0 10.6

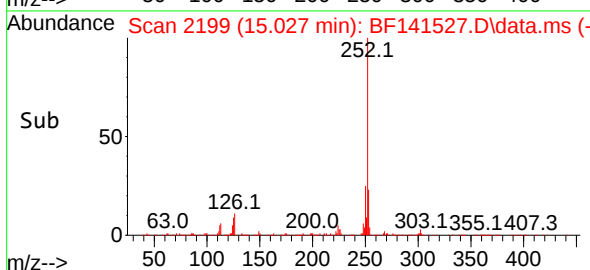
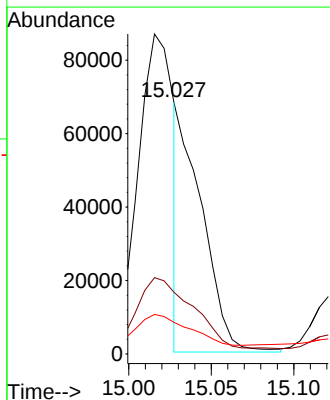
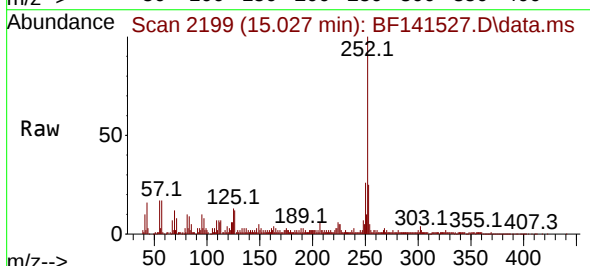
Manual Integrations
APPROVED

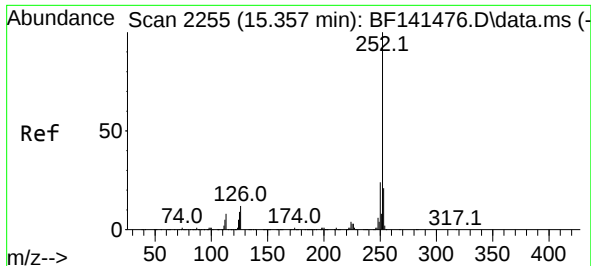
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#89
Benzo(k)fluoranthene
Concen: 10.613 ng m
RT: 15.027 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Tgt Ion:252 Resp: 65836
Ion Ratio Lower Upper
252 100
253 24.5 18.0 27.0
125 12.6 7.4 11.0





#90
Benzo(a)pyrene
Concen: 18.634 ng
RT: 15.374 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Instrument :

BNA_F

ClientSampleId :

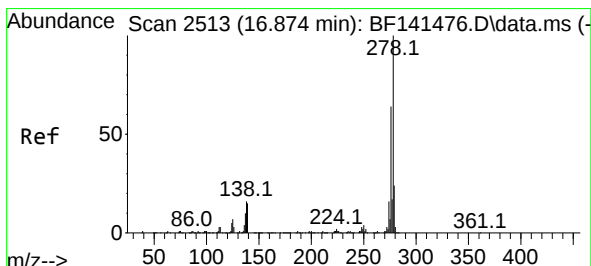
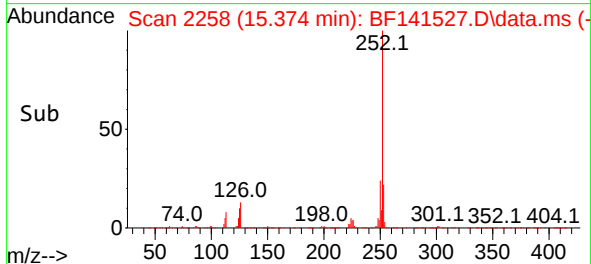
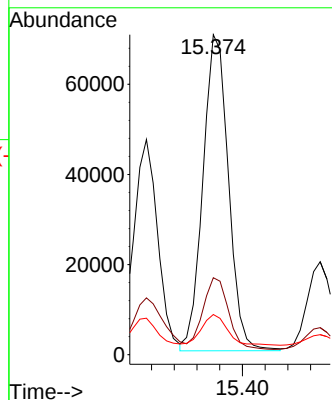
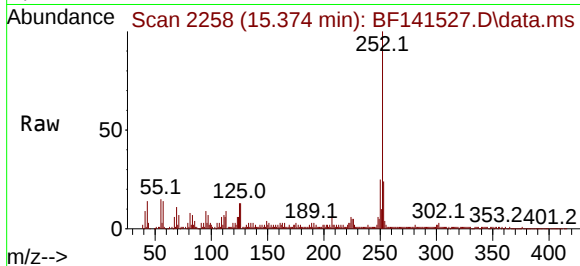
JPP-42.1-012925

Tgt Ion:252 Resp: 10953
Ion Ratio Lower Upper
252 100
253 24.1 17.1 25.7
125 12.6 7.4 11.2

Manual Integrations

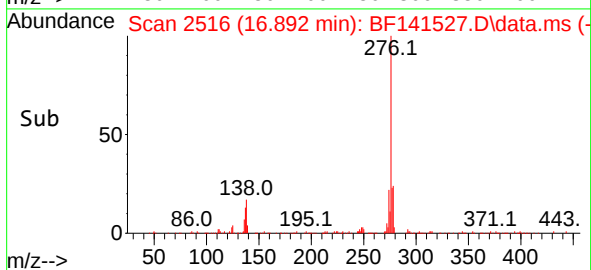
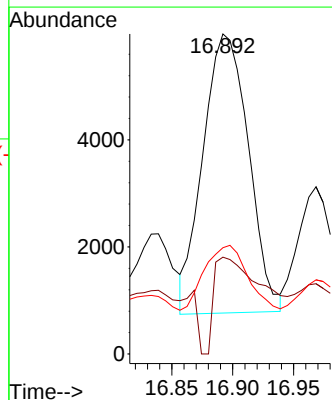
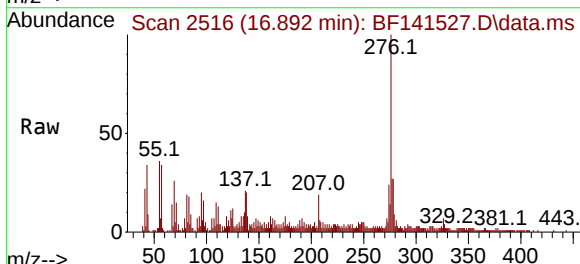
APPROVED

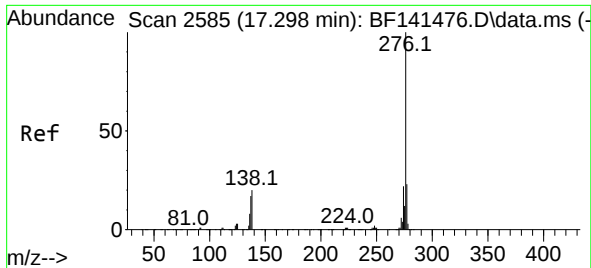
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 2.504 ng
RT: 16.892 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

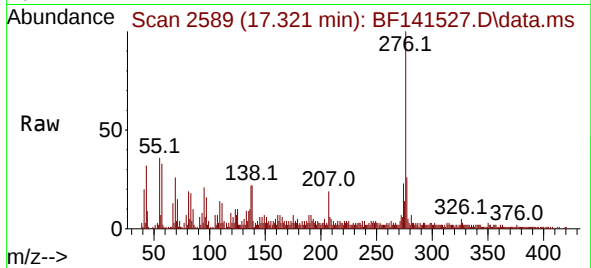
Tgt Ion:278 Resp: 13566
Ion Ratio Lower Upper
278 100
139 30.2 11.8 17.6#
279 33.2 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 9.497 ng
RT: 17.321 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141527.D
Acq: 07 Feb 2025 23:53

Instrument :
BNA_F
ClientSampleId :
JPP-42.1-012925



Tgt Ion:276 Resp: 5383
Ion Ratio Lower Upper
276 100
277 25.9 18.6 28.0
138 22.4 15.9 23.9

Manual Integrations
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Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

