

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141526.D
 Acq On : 07 Feb 2025 23:27
 Operator : RC/JU
 Sample : Q1242-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-6.2-013025

Manual Integrations
 APPROVED

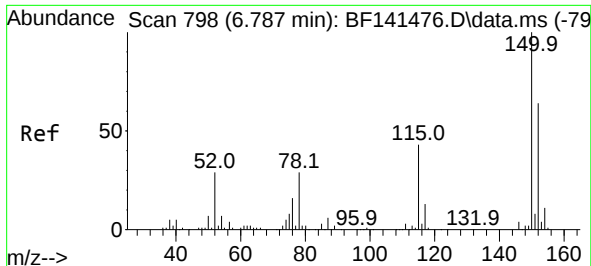
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

Quant Time: Feb 08 00:33:46 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)

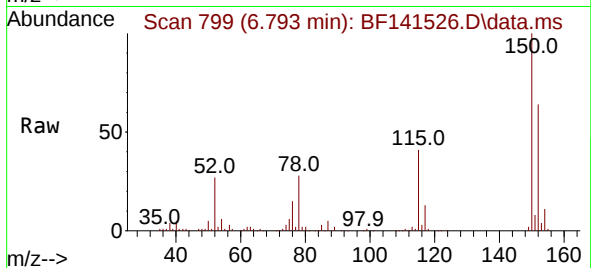
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	82584	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	302243	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	145966	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	230674	20.000	ng	0.00
76) Chrysene-d12	13.963	240	136591	20.000	ng	0.00
86) Perylene-d12	15.439	264	112034	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	30347	5.761	ng	0.00
7) Phenol-d6	6.428	99	205960	30.935	ng	-0.01
23) Nitrobenzene-d5	7.351	82	175107	30.218	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	4254	2.901	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	310268	32.748	ng	0.00
79) Terphenyl-d14	12.904	244	269063	33.254	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.098	128	115899	7.367	ng	99
37) 2-Methylnaphthalene	8.787	142	30568	2.986	ng	98
38) 1-Methylnaphthalene	8.887	142	22292	2.248	ng	98
52) Acenaphthene	9.863	154	48821	5.834	ng	98
55) Dibenzofuran	10.034	168	46201	3.762	ng	97
58) Fluorene	10.375	166	44799	4.717	ng	97
71) Phenanthrene	11.345	178	564667	44.470	ng	100
72) Anthracene	11.392	178	141138	11.057	ng	99
73) Carbazole	11.551	167	38740	3.373	ng	99
75) Fluoranthene	12.533	202	707351	52.545	ng	99
78) Pyrene	12.763	202	675230	58.071	ng	99
81) Benzo(a)anthracene	13.957	228	266558	29.358	ng	98
83) Chrysene	13.992	228	200534	23.920	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	83677	12.088	ng	96
88) Benzo(b)fluoranthene	15.016	252	205352m	27.298	ng	
89) Benzo(k)fluoranthene	15.027	252	100356m	15.623	ng	
90) Benzo(a)pyrene	15.374	252	172501	28.339	ng	# 95
91) Dibenzo(a,h)anthracene	16.892	278	20927	3.731	ng	# 80
92) Benzo(g,h,i)perylene	17.327	276	81418	13.871	ng	95

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 798
Delta R.T. 0.001 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

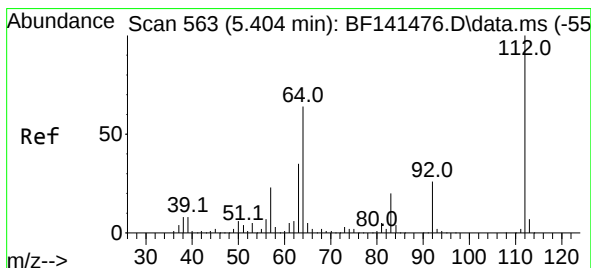
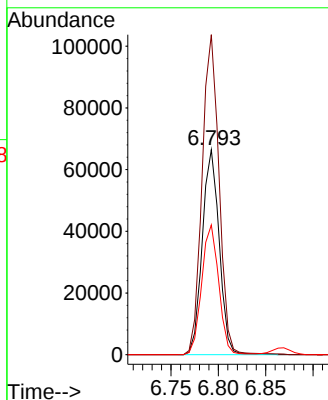
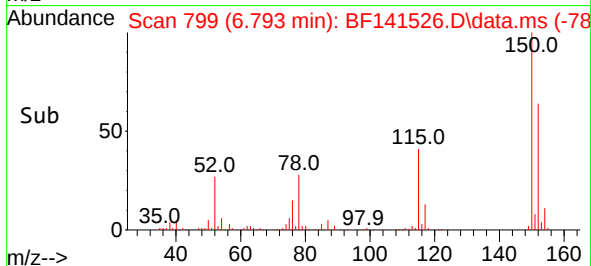
Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



Tgt Ion:152 Resp: 82584
Ion Ratio Lower Upper
152 100
150 156.1 125.0 187.4
115 63.3 53.6 80.4

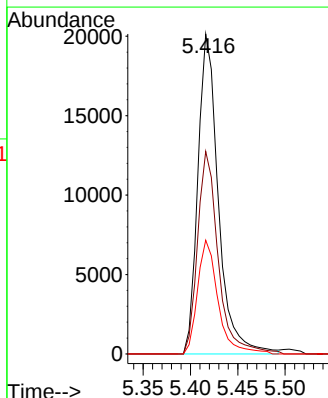
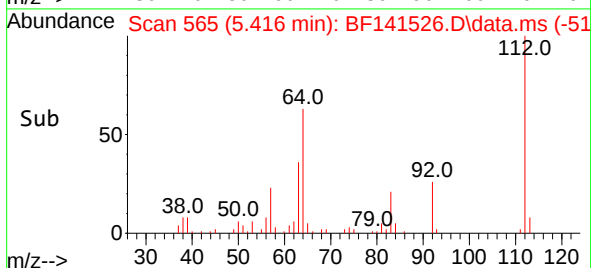
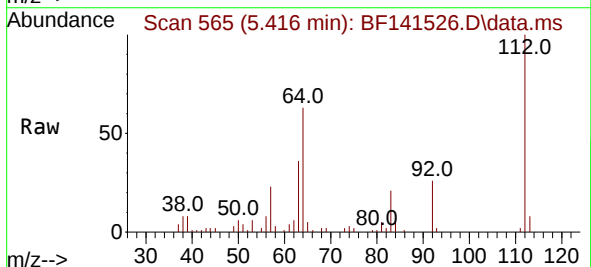
Manual Integrations
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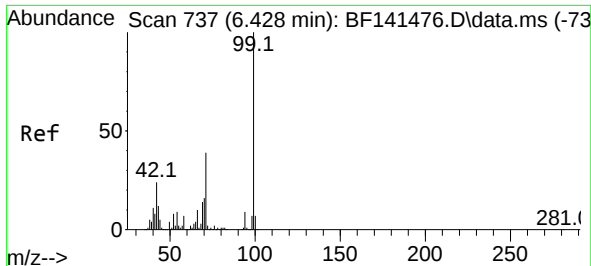
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#5
2-Fluorophenol
Concen: 5.761 ng
RT: 5.416 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

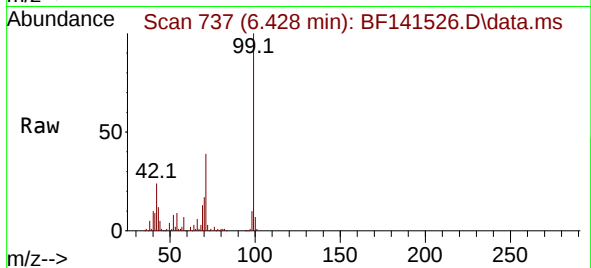
Tgt Ion:112 Resp: 30347
Ion Ratio Lower Upper
112 100
64 63.3 51.1 76.7
63 35.6 28.4 42.6





#7
Phenol-d6
Concen: 30.935 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

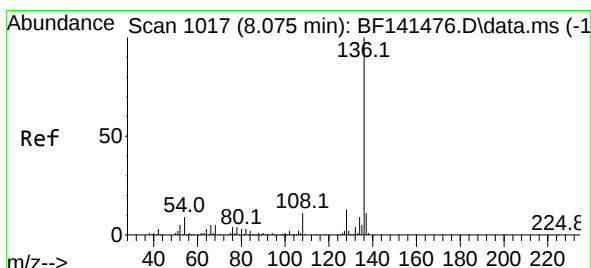
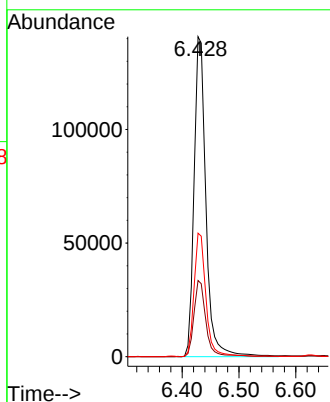
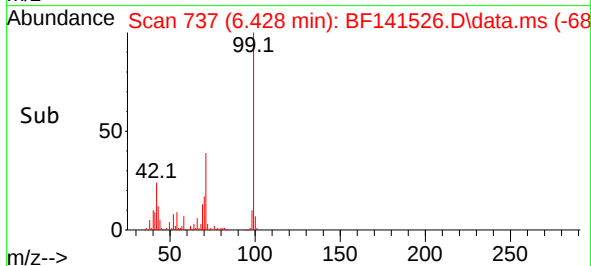
Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



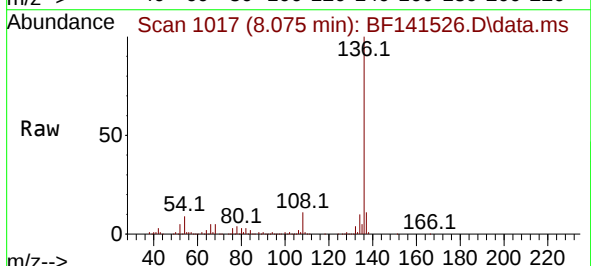
Tgt Ion: 99 Resp: 205960
Ion Ratio Lower Upper
99 100
42 23.8 19.1 28.7
71 38.6 31.1 46.7

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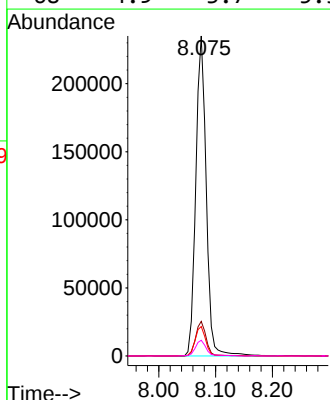
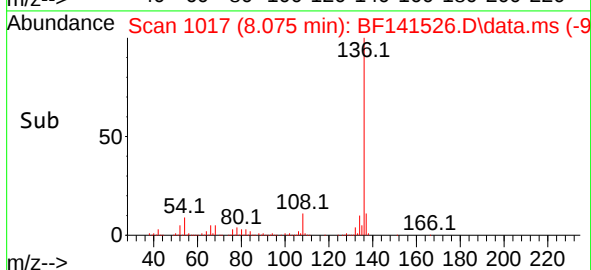
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

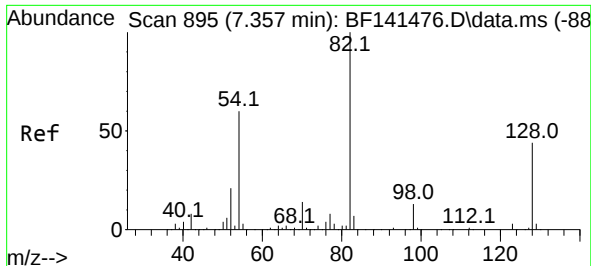


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27



Tgt Ion:136 Resp: 302243
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 9.2 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 30.218 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141526.D

Acq: 07 Feb 2025 23:27

Instrument :

BNA_F

ClientSampleId :

JPP-6.2-013025

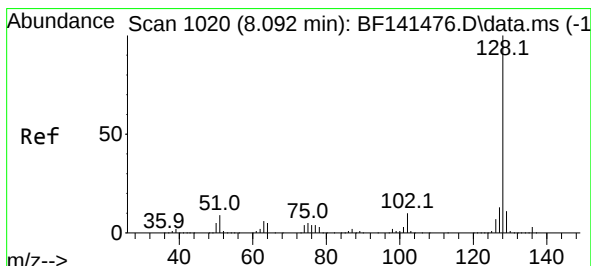
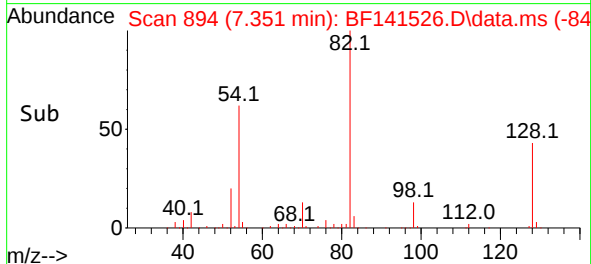
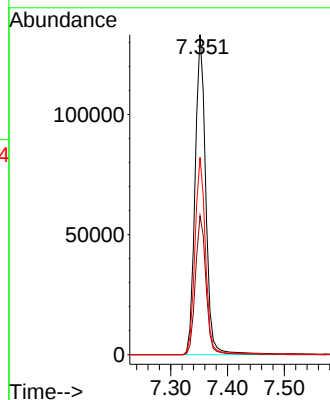
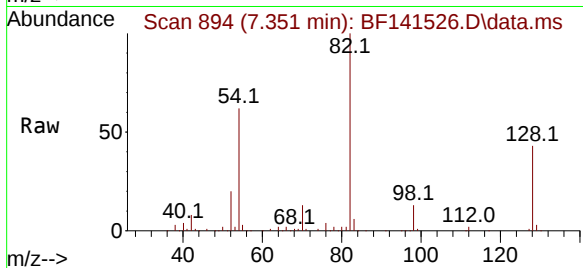
Tgt Ion: 82 Resp: 17510

Ion	Ratio	Lower	Upper
82	100		
128	43.4	34.8	52.2
54	61.6	48.2	72.4

Manual Integrations

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#31

Naphthalene

Concen: 7.367 ng

RT: 8.098 min Scan# 1021

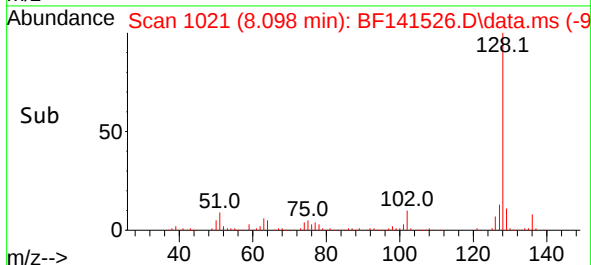
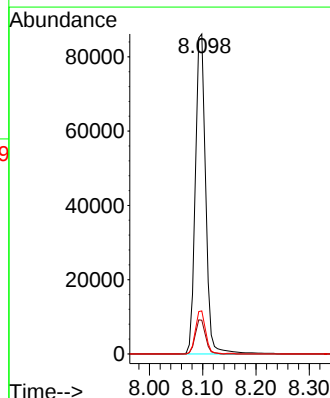
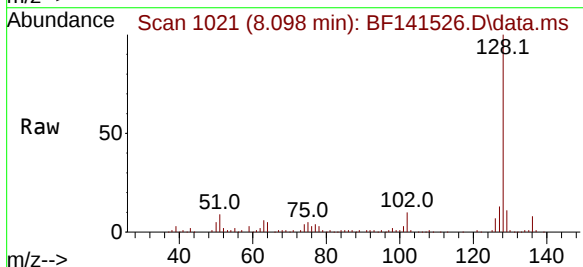
Delta R.T. 0.000 min

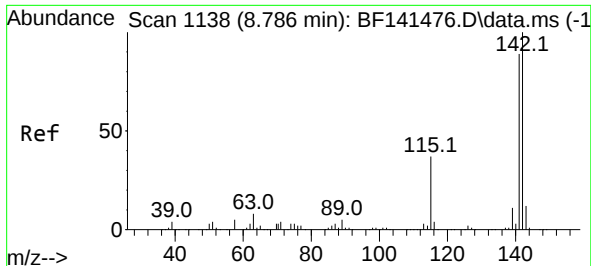
Lab File: BF141526.D

Acq: 07 Feb 2025 23:27

Tgt Ion:128 Resp: 115899

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	13.4	10.7	16.1





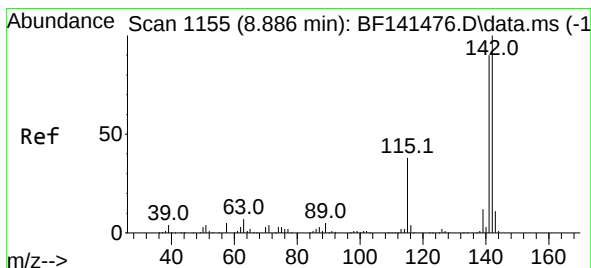
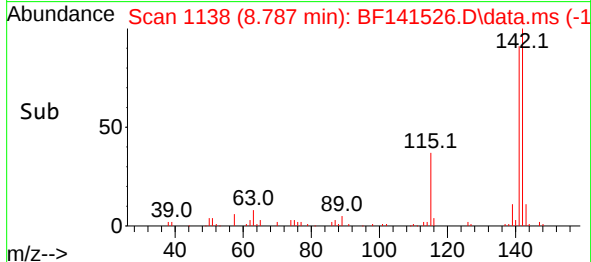
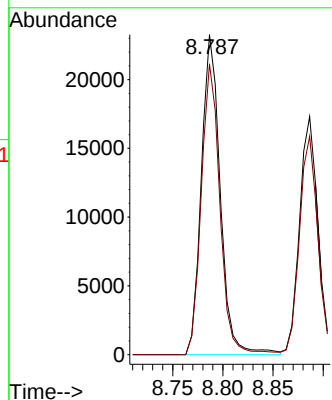
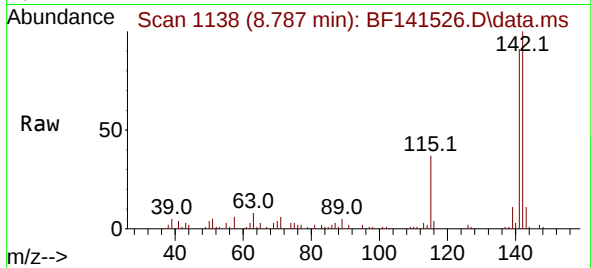
#37
2-Methylnaphthalene
Concen: 2.986 ng
RT: 8.787 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025

Tgt Ion:142 Resp: 3056
Ion Ratio Lower Upper
142 100
141 90.9 71.2 106.8

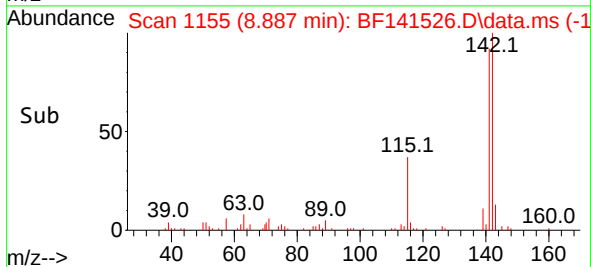
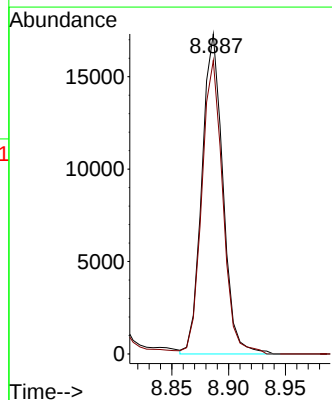
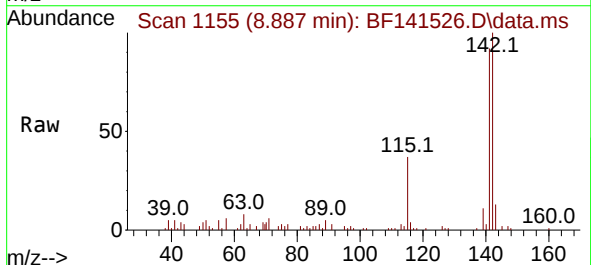
Manual Integrations
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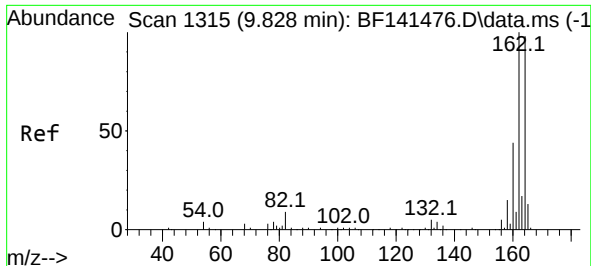
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#38
1-Methylnaphthalene
Concen: 2.248 ng
RT: 8.887 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

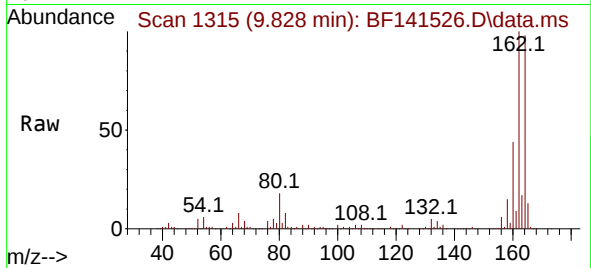
Tgt Ion:142 Resp: 22292
Ion Ratio Lower Upper
142 100
141 91.7 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

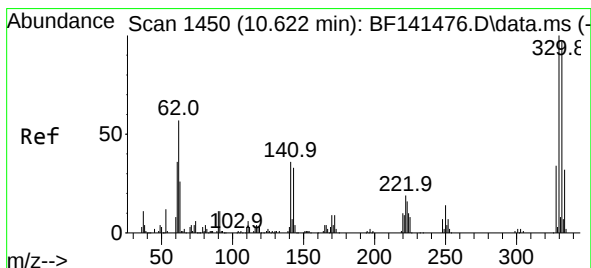
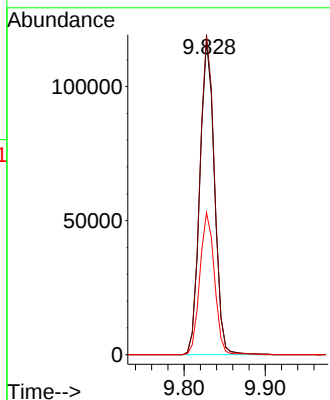
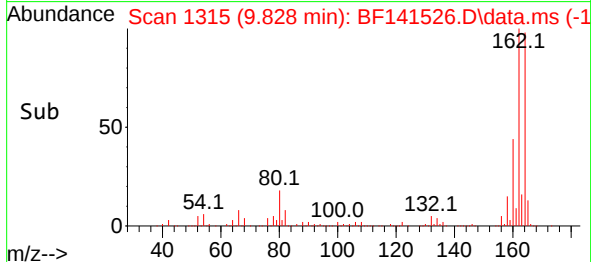
Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



Tgt Ion:164 Resp: 145960
Ion Ratio Lower Upper
164 100
162 102.1 81.3 121.9
160 45.3 35.9 53.9

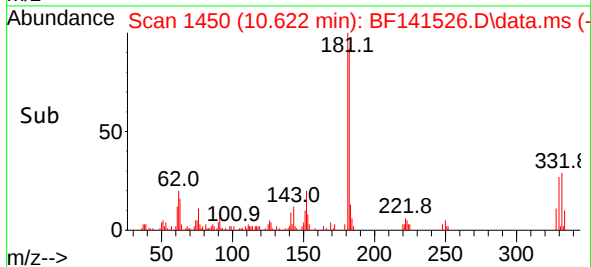
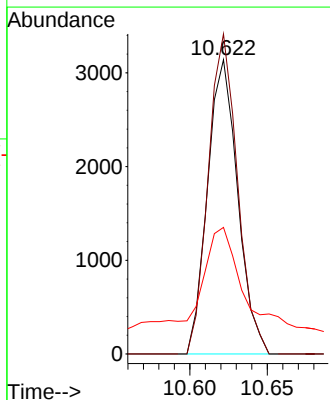
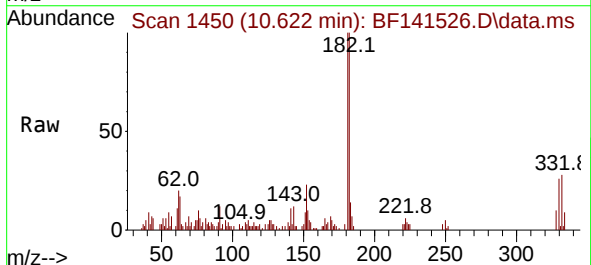
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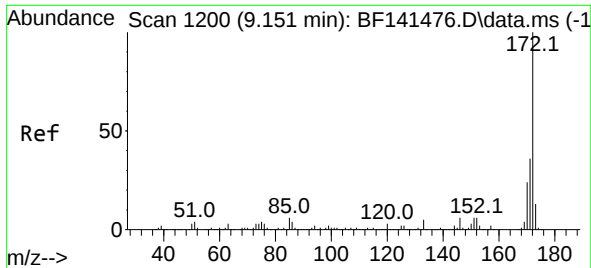
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#42
2,4,6-Tribromophenol
Concen: 2.901 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

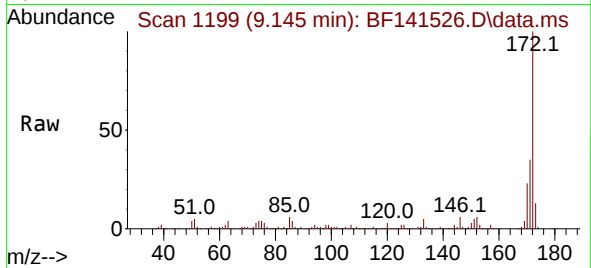
Tgt Ion:330 Resp: 4254
Ion Ratio Lower Upper
330 100
332 105.1 78.5 117.7
141 49.7 31.0 46.4#





#45
2-Fluorobiphenyl
Concen: 32.748 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

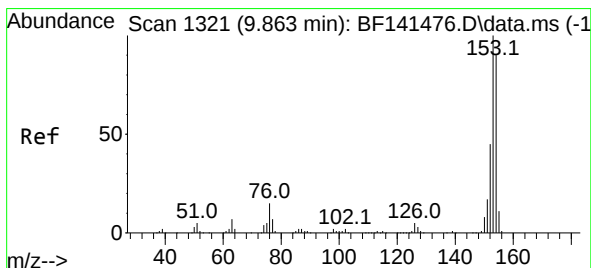
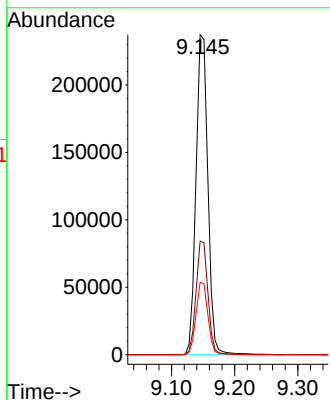
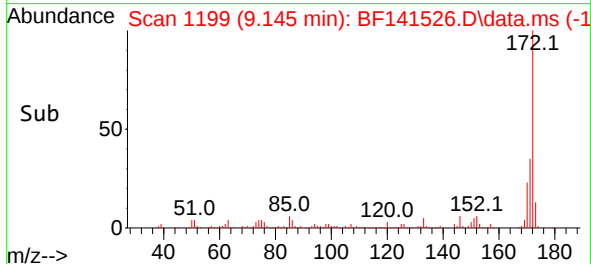
Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



Tgt Ion:172 Resp: 31026
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 22.6 18.9 28.3

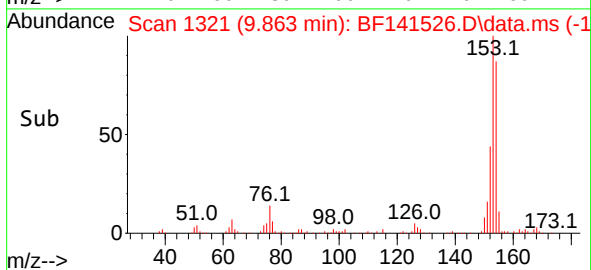
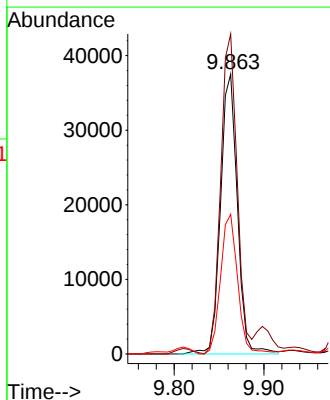
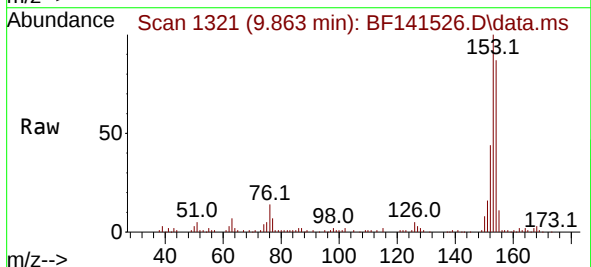
Manual Integrations
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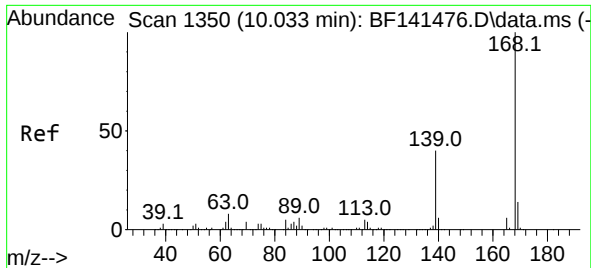
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#52
Acenaphthene
Concen: 5.834 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

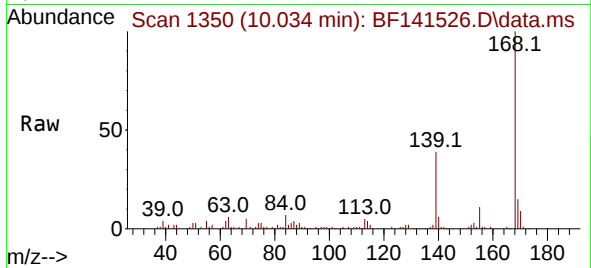
Tgt Ion:154 Resp: 48821
Ion Ratio Lower Upper
154 100
153 114.4 89.2 133.8
152 49.9 39.8 59.8





#55
Dibenzenofuran
Concen: 3.762 ng
RT: 10.034 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

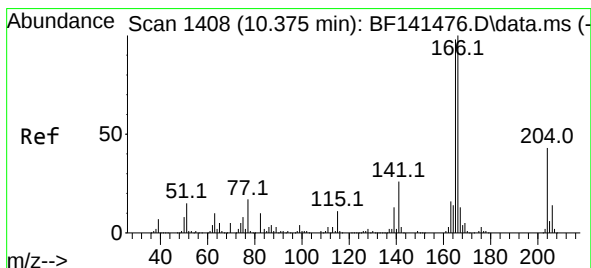
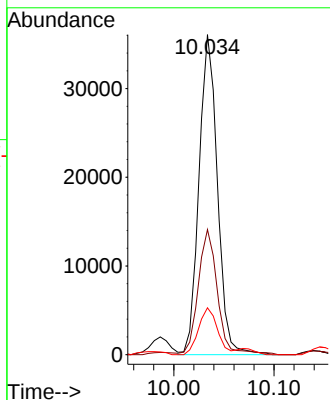
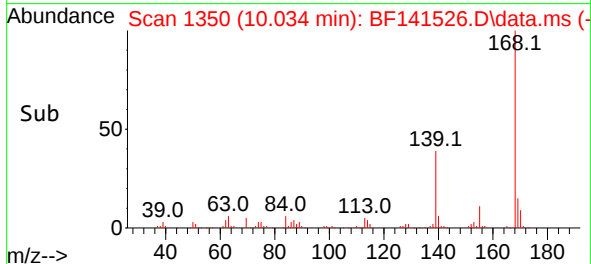
Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



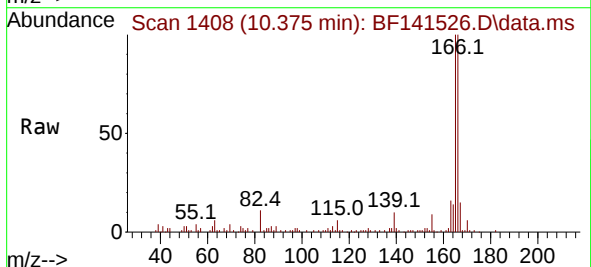
Tgt Ion:168 Resp: 4620
Ion Ratio Lower Upper
168 100
139 39.1 32.7 49.1
169 14.6 10.8 16.2

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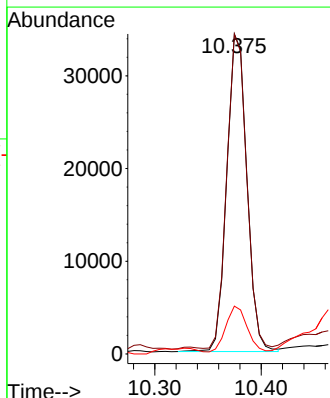
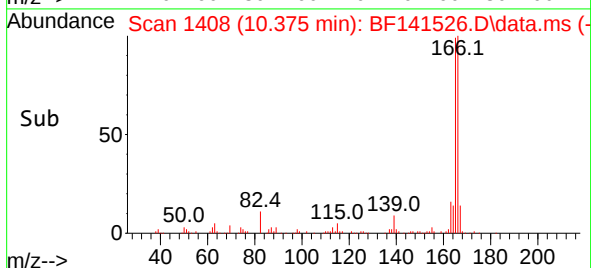
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

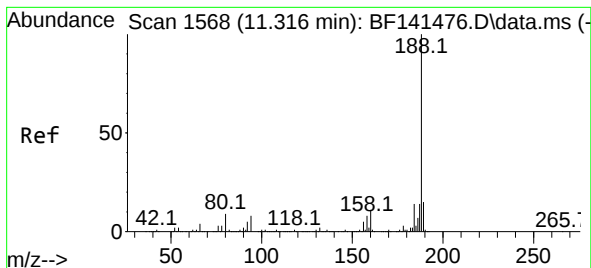


#58
Fluorene
Concen: 4.717 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27



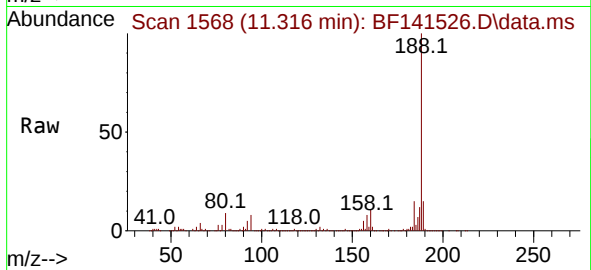
Tgt Ion:166 Resp: 44799
Ion Ratio Lower Upper
166 100
165 100.0 78.2 117.2
167 14.9 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

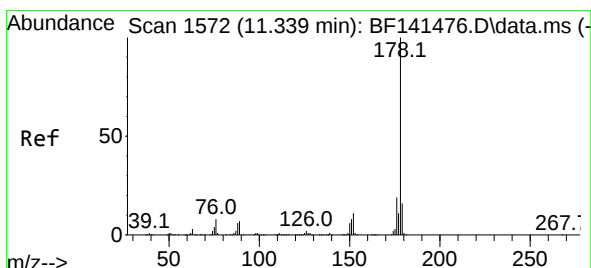
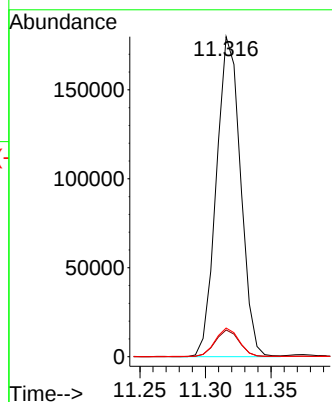
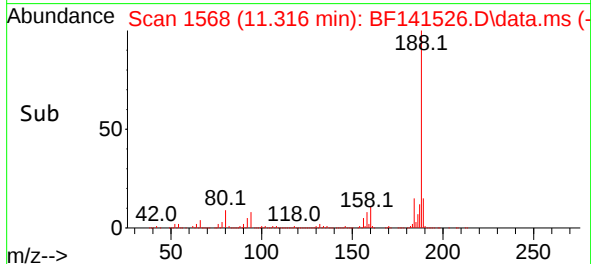
Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



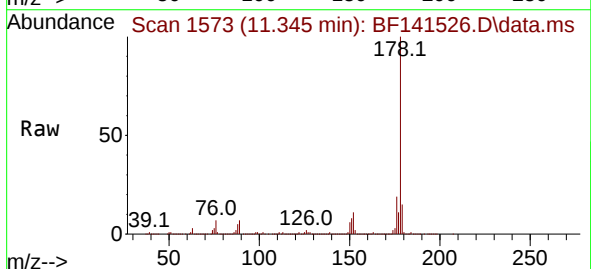
Tgt Ion:188 Resp: 230674
Ion Ratio Lower Upper
188 100
94 8.3 6.6 10.0
80 9.0 7.3 10.9

Manual Integrations
APPROVED

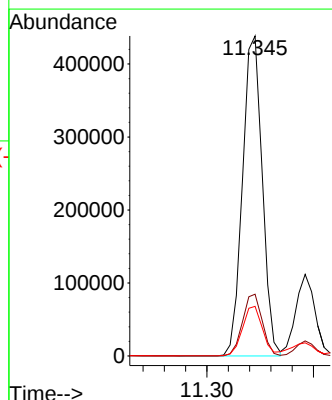
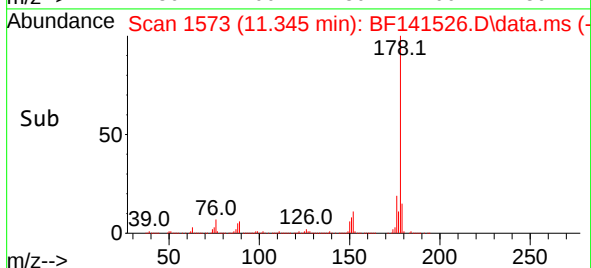
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

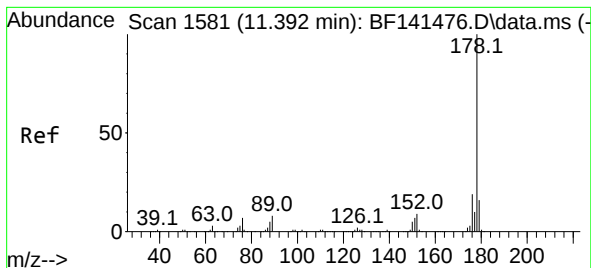


#71
Phenanthrene
Concen: 44.470 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27



Tgt Ion:178 Resp: 564667
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.5 12.4 18.6





#72

Anthracene

Concen: 11.057 ng

RT: 11.392 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF141526.D

Acq: 07 Feb 2025 23:27

Instrument :

BNA_F

ClientSampleId :

JPP-6.2-013025

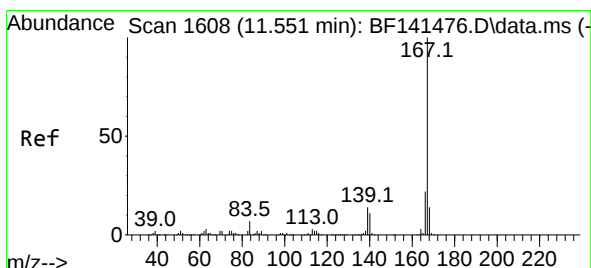
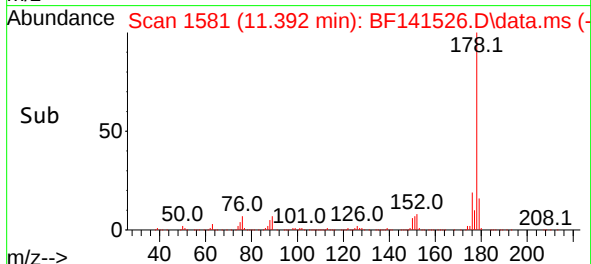
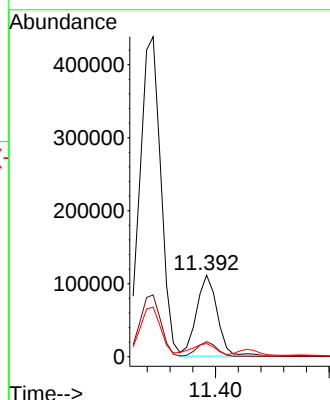
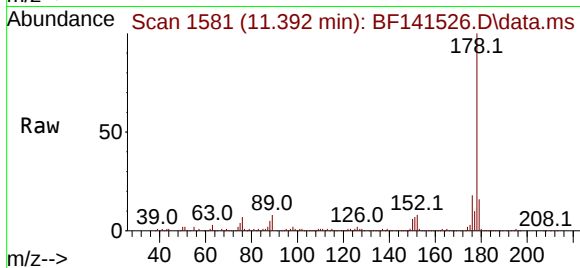
Tgt Ion:178 Resp: 141138

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.8	22.2
179	16.1	12.4	18.6

Manual Integrations

APPROVED

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



#73

Carbazole

Concen: 3.373 ng

RT: 11.551 min Scan# 1608

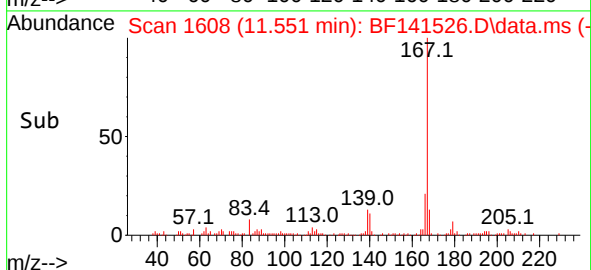
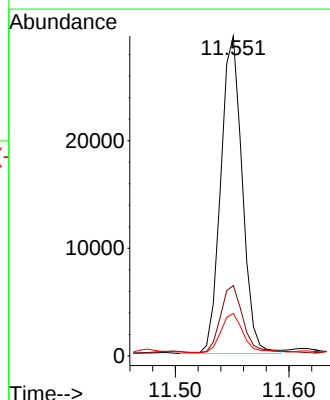
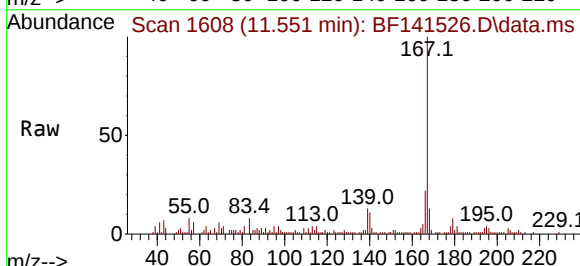
Delta R.T. 0.000 min

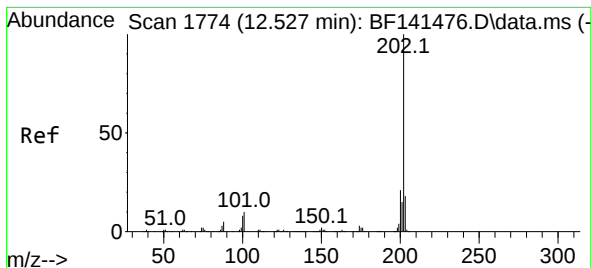
Lab File: BF141526.D

Acq: 07 Feb 2025 23:27

Tgt Ion:167 Resp: 38740

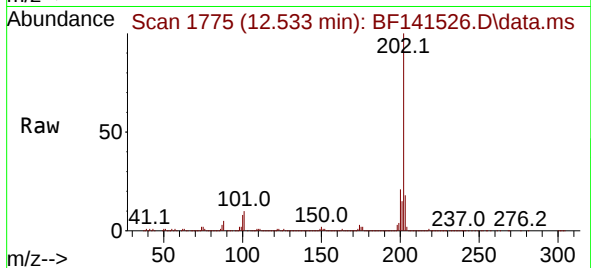
Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	13.3	10.9	16.3





#75
Fluoranthene
Concen: 52.545 ng
RT: 12.533 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

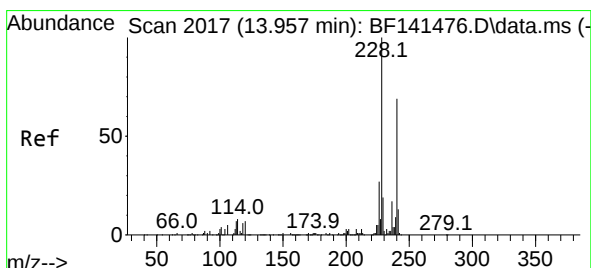
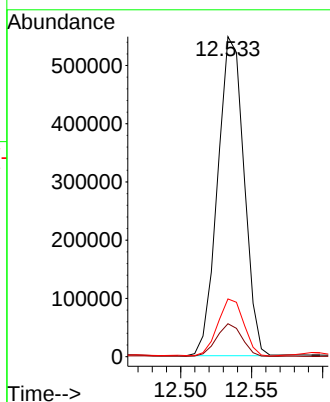
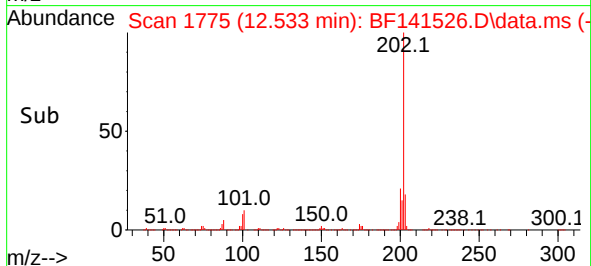
Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



Tgt Ion:202 Resp: 70735
Ion Ratio Lower Upper
202 100
101 10.3 0.0 30.2
203 18.0 0.0 37.6

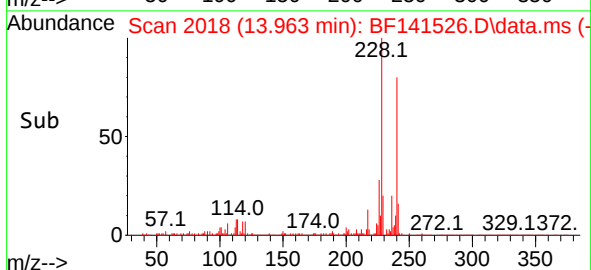
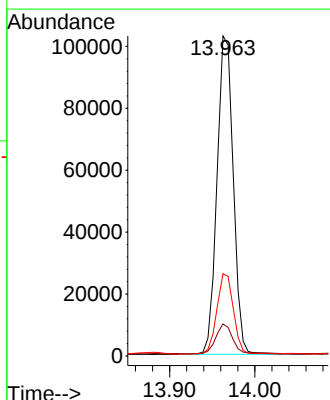
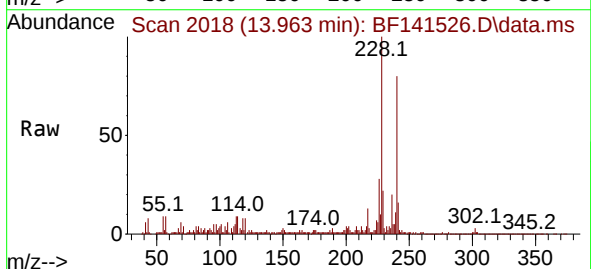
Manual Integrations
APPROVED

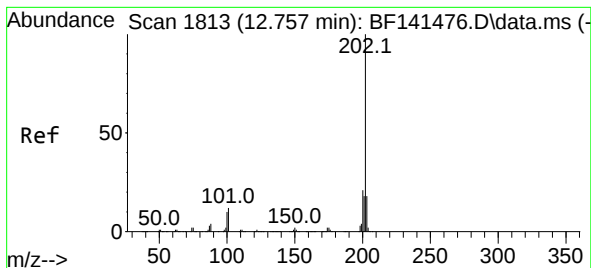
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

Tgt Ion:240 Resp: 136591
Ion Ratio Lower Upper
240 100
120 10.0 8.0 12.0
236 25.7 19.8 29.8





#78

Pyrene

Concen: 58.071 ng

RT: 12.763 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF141526.D

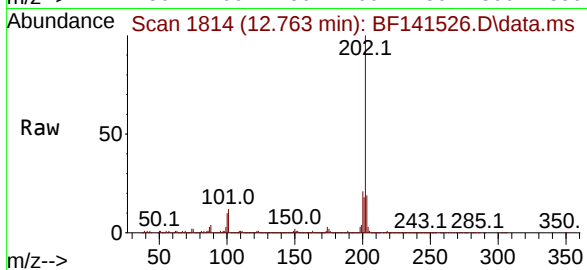
Acq: 07 Feb 2025 23:27

Instrument :

BNA_F

ClientSampleId :

JPP-6.2-013025



Tgt Ion:202 Resp: 675230

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.4

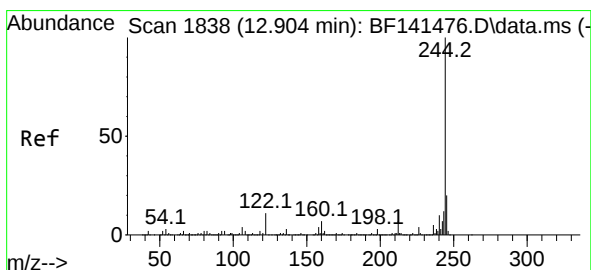
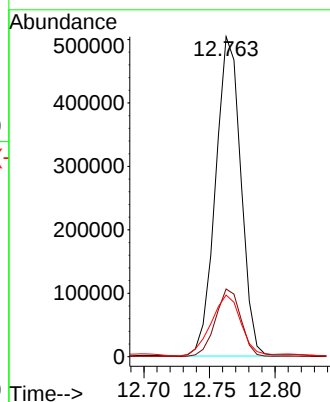
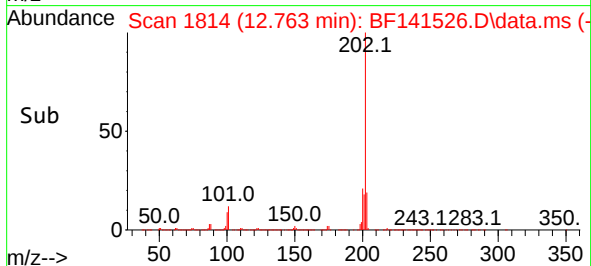
203 19.3 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#79

Terphenyl-d14

Concen: 33.254 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141526.D

Acq: 07 Feb 2025 23:27

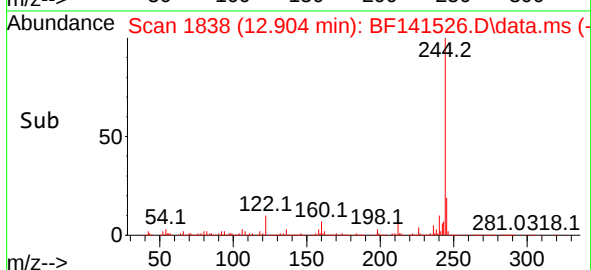
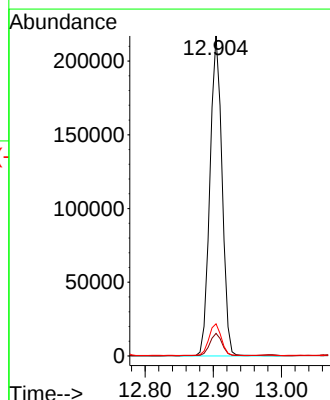
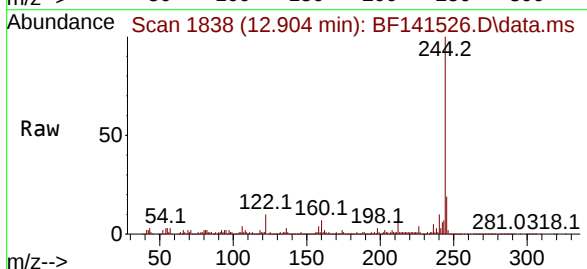
Tgt Ion:244 Resp: 269063

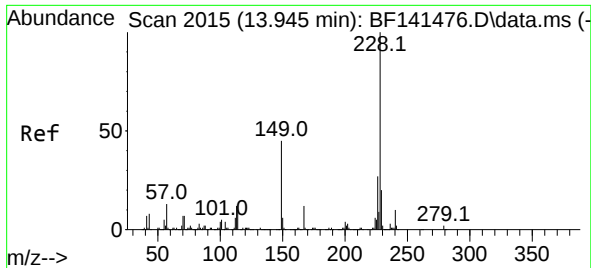
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 10.0 8.4 12.6





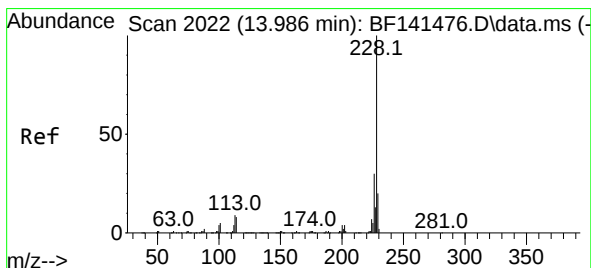
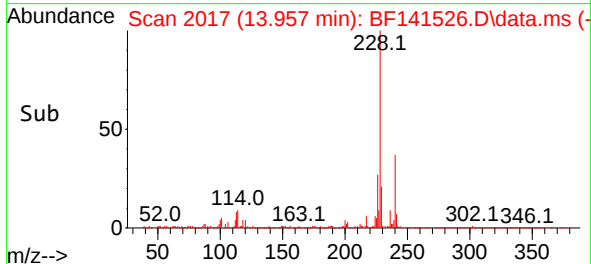
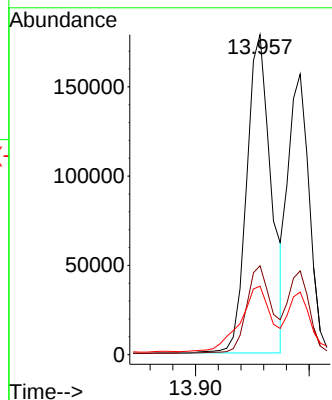
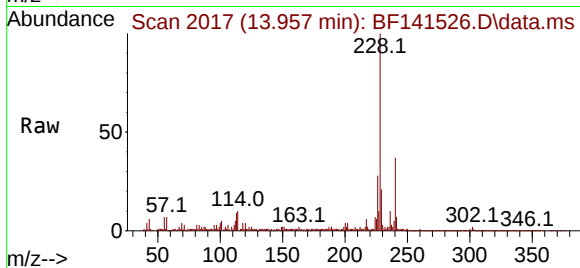
#81
Benzo(a)anthracene
Concen: 29.358 ng
RT: 13.957 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025

Tgt Ion:228 Resp: 266558
Ion Ratio Lower Upper
228 100
226 27.8 21.8 32.8
229 21.4 15.8 23.6

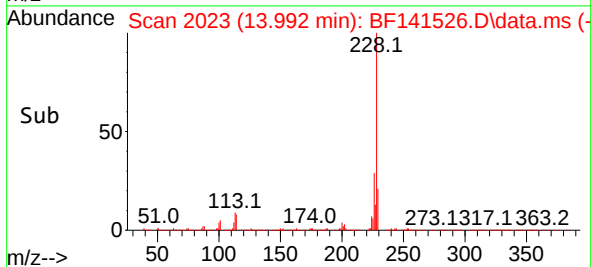
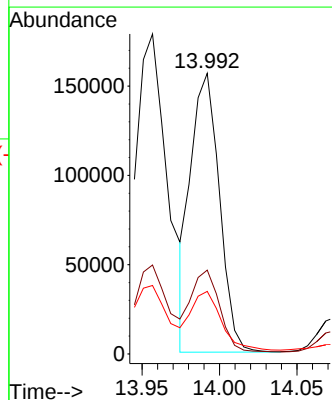
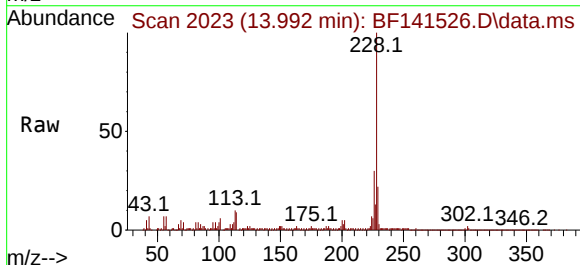
Manual Integrations
APPROVED

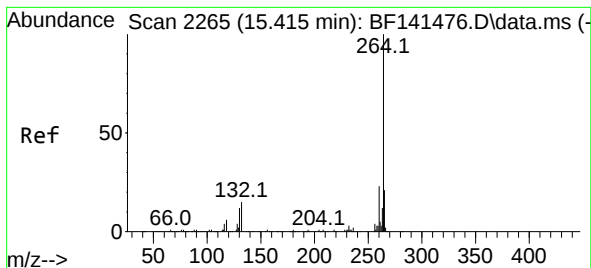
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#83
Chrysene
Concen: 23.920 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

Tgt Ion:228 Resp: 200534
Ion Ratio Lower Upper
228 100
226 29.9 24.0 36.0
229 22.3 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF141526.D

Acq: 07 Feb 2025 23:27

Instrument :

BNA_F

ClientSampleId :

JPP-6.2-013025

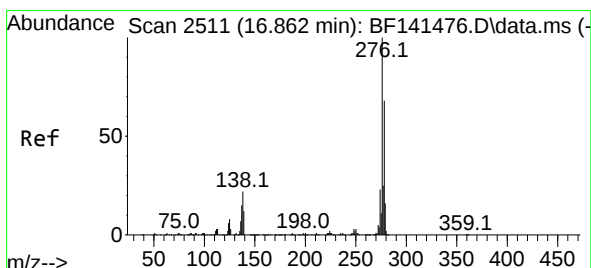
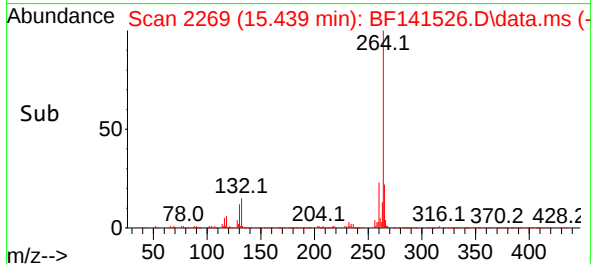
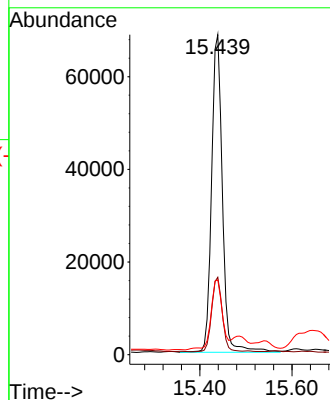
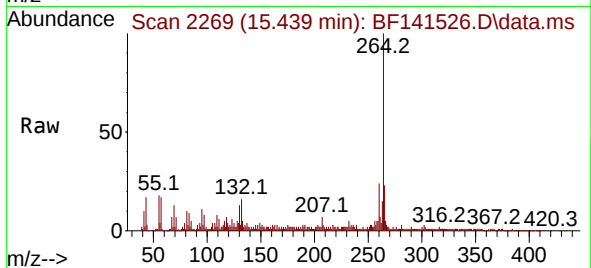
Tgt Ion:264 Resp: 112034

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.6	28.0
265	23.4	17.0	25.4

Manual Integrations

APPROVED

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



#87

Indeno(1,2,3-cd)pyrene

Concen: 12.088 ng

RT: 16.886 min Scan# 2515

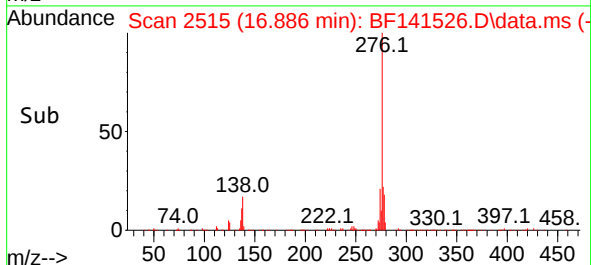
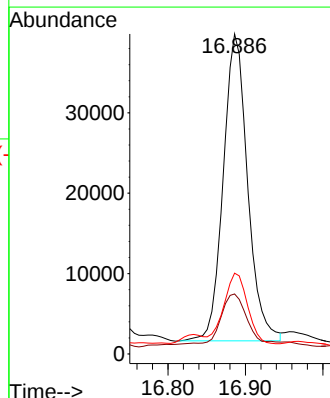
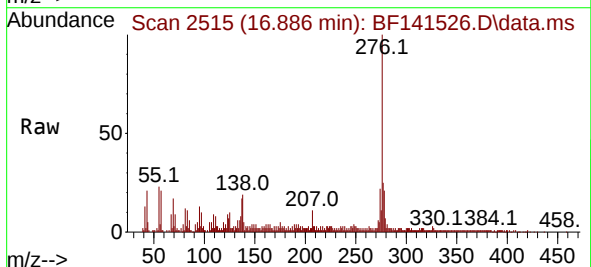
Delta R.T. 0.012 min

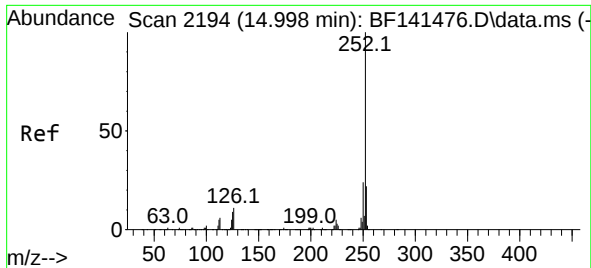
Lab File: BF141526.D

Acq: 07 Feb 2025 23:27

Tgt Ion:276 Resp: 83677

Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.0	27.0
277	22.2	20.4	30.6





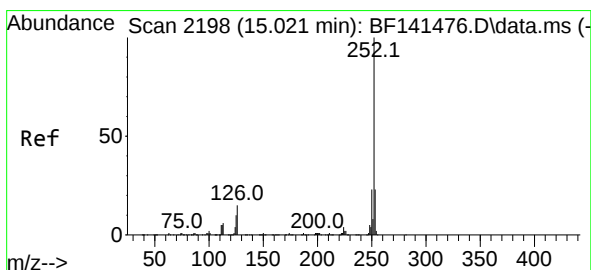
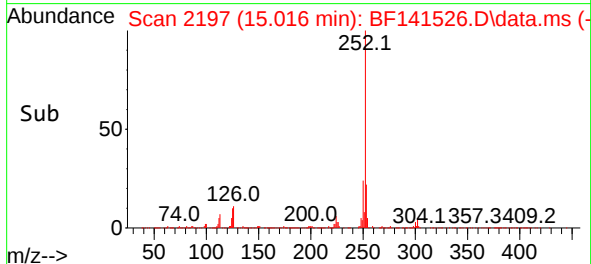
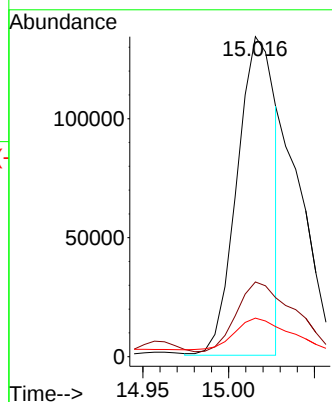
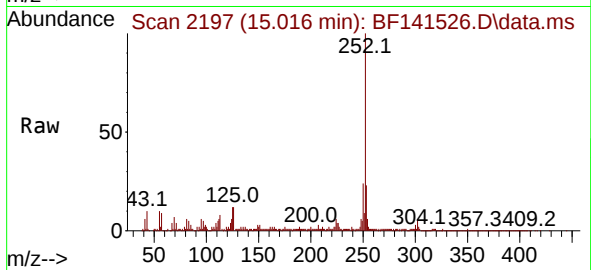
#88
Benzo(b)fluoranthene
Concen: 27.298 ng m
RT: 15.016 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025

Tgt Ion:252 Resp: 205352
Ion Ratio Lower Upper
252 100
253 23.4 17.5 26.3
125 12.0 7.0 10.6

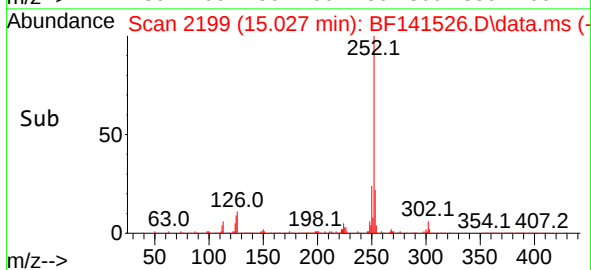
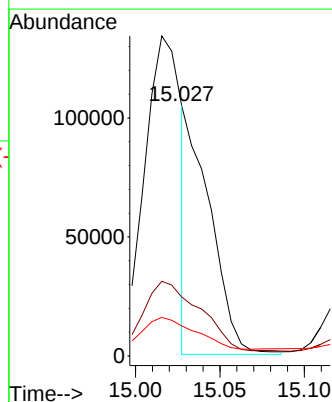
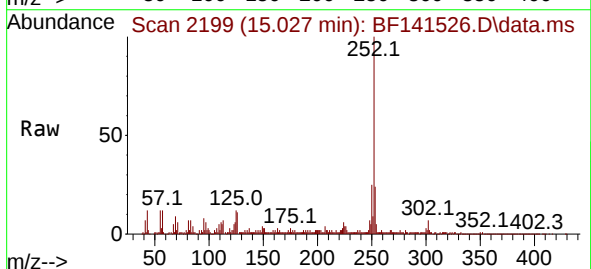
Manual Integrations
APPROVED

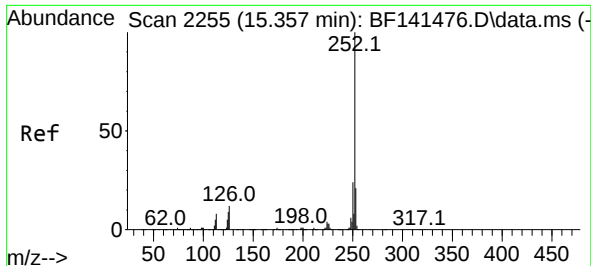
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#89
Benzo(k)fluoranthene
Concen: 15.623 ng m
RT: 15.027 min Scan# 2199
Delta R.T. -0.006 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

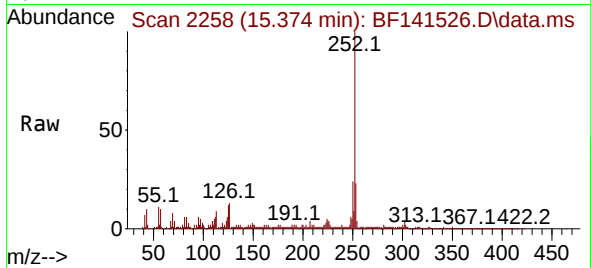
Tgt Ion:252 Resp: 100356
Ion Ratio Lower Upper
252 100
253 23.6 18.0 27.0
125 12.0 7.4 11.0





#90
Benzo(a)pyrene
Concen: 28.339 ng
RT: 15.374 min Scan# 2150
Delta R.T. 0.012 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

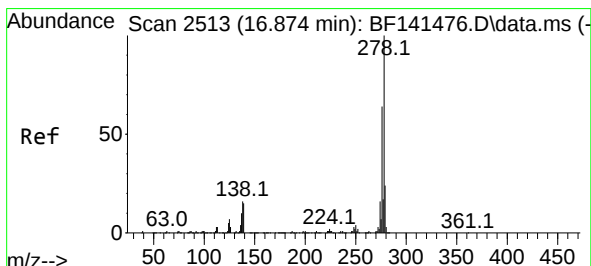
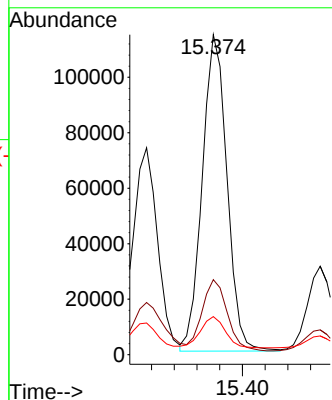
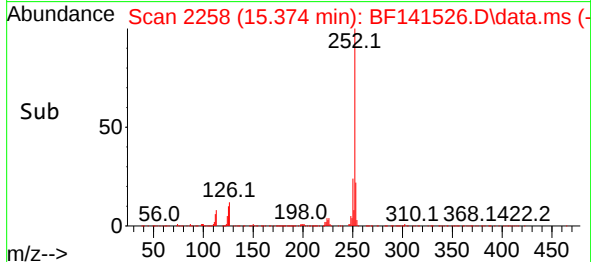
Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



Tgt Ion:252 Resp: 17250
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 11.9 7.4 11.2

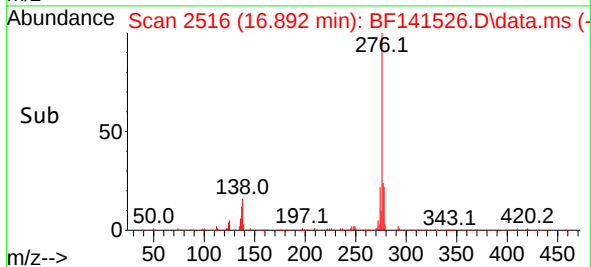
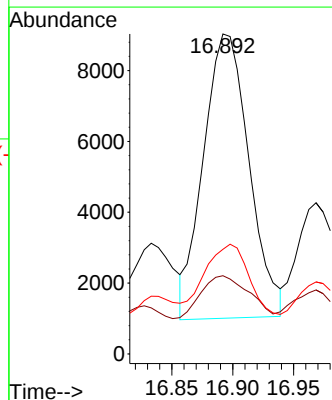
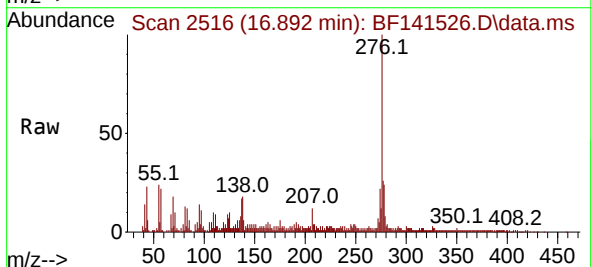
Manual Integrations
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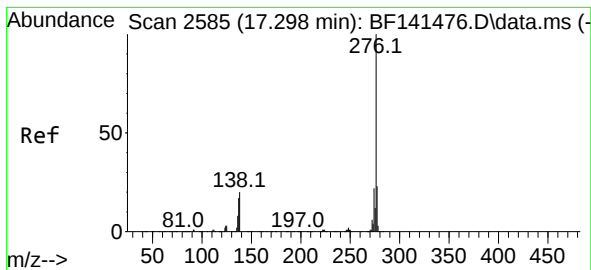
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 3.731 ng
RT: 16.892 min Scan# 2516
Delta R.T. 0.000 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

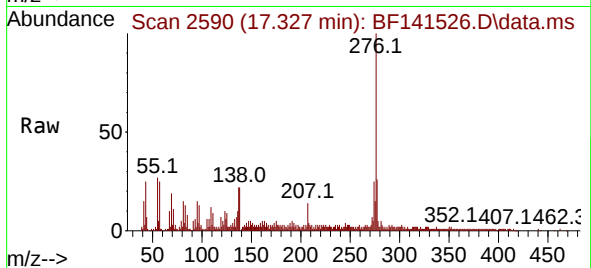
Tgt Ion:278 Resp: 20927
Ion Ratio Lower Upper
278 100
139 24.5 11.8 17.6#
279 32.7 19.1 28.7#





#92
Benzo(g,h,i)perylene
Concen: 13.871 ng
RT: 17.327 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF141526.D
Acq: 07 Feb 2025 23:27

Instrument :
BNA_F
ClientSampleId :
JPP-6.2-013025



Tgt Ion: 276 Resp: 81418
Ion Ratio Lower Upper
276 100
277 25.8 18.6 28.0
138 22.0 15.9 23.9

Manual Integrations
APPROVED

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

