

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141525.D
 Acq On : 07 Feb 2025 23:00
 Operator : RC/JU
 Sample : Q1241-15 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.4-013025

Manual Integrations
 APPROVED

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

Quant Time: Feb 08 00:33:15 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	6.792	152	88460	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	334845	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	160965	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	239283	20.000	ng	0.00
76) Chrysene-d12	13.974	240	139382	20.000	ng	0.01
86) Perylene-d12	15.451	264	114069	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	247692	43.898	ng	0.00
7) Phenol-d6	6.434	99	312879	43.872	ng	0.00
23) Nitrobenzene-d5	7.351	82	187463	29.201	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	55426	34.278	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	340669	32.606	ng	0.00
79) Terphenyl-d14	12.904	244	266854	32.321	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.863	154	58352	6.324	ng	98
55) Dibenzofuran	10.033	168	38184	2.819	ng	# 97
58) Fluorene	10.375	166	54478	5.202	ng	# 99
71) Phenanthrene	11.345	178	991499	75.276	ng	99
72) Anthracene	11.398	178	332071	25.080	ng	100
73) Carbazole	11.551	167	25750	2.161	ng	# 92
75) Fluoranthene	12.545	202	1927136	138.004	ng	99
78) Pyrene	12.774	202	1759024	148.251	ng	99
81) Benzo(a)anthracene	13.963	228	750173	80.967	ng	97
83) Chrysene	13.998	228	589064	68.856	ng	97
84) Bis(2-ethylhexyl)phtha...	13.951	149	11998	2.588	ng	# 95
87) Indeno(1,2,3-cd)pyrene	16.904	276	263652	37.407	ng	96
88) Benzo(b)fluoranthene	15.033	252	646107m	84.357	ng	
89) Benzo(k)fluoranthene	15.045	252	291452m	44.563	ng	
90) Benzo(a)pyrene	15.392	252	515107	83.114	ng	96
91) Dibenzo(a,h)anthracene	16.909	278	65113	11.401	ng	# 88
92) Benzo(g,h,i)perylene	17.345	276	250508	41.916	ng	98

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

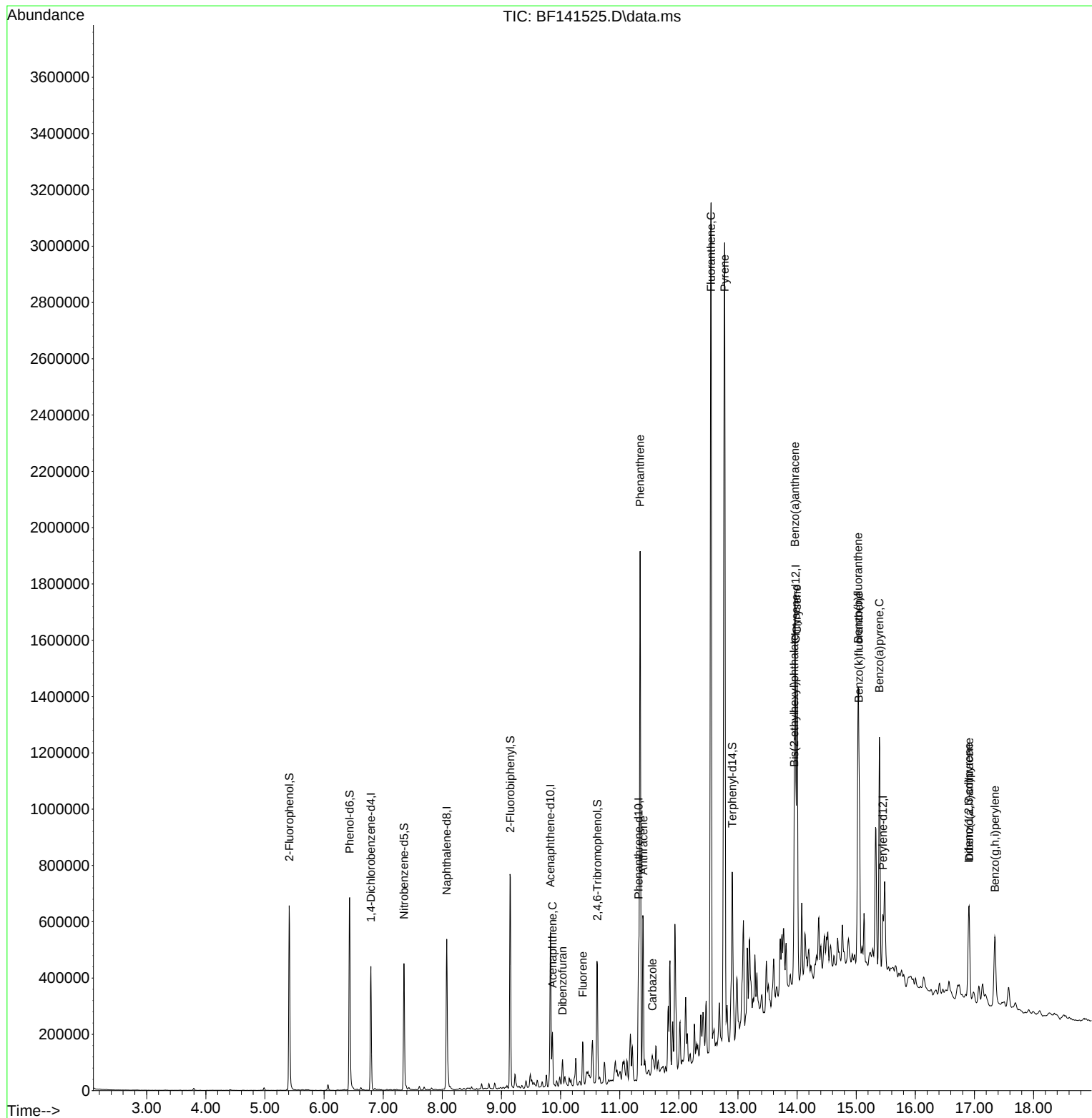
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
Data File : BF141525.D
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ALS Vial : 21 Sample Multiplier: 1

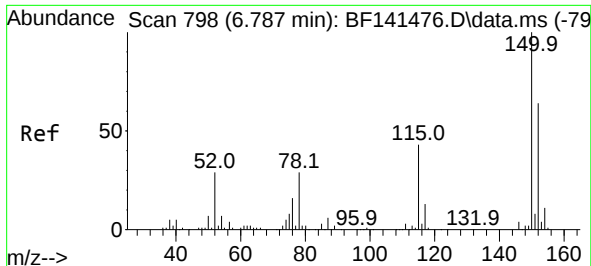
Instrument :
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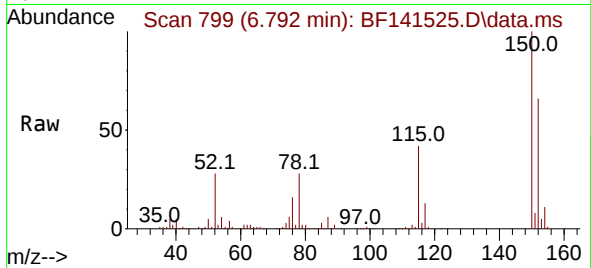
Quant Time: Feb 08 00:33:15 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

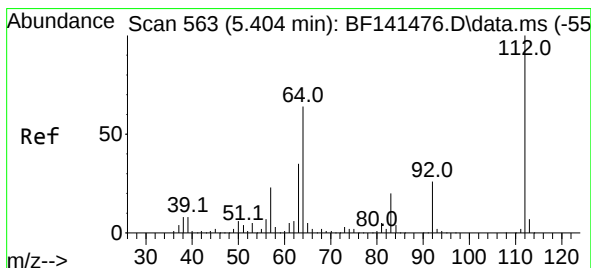
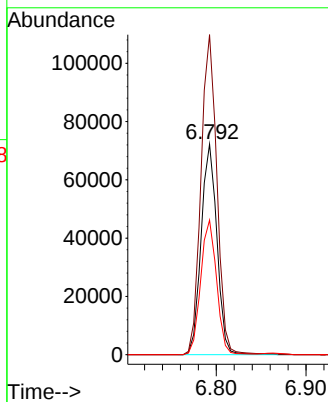
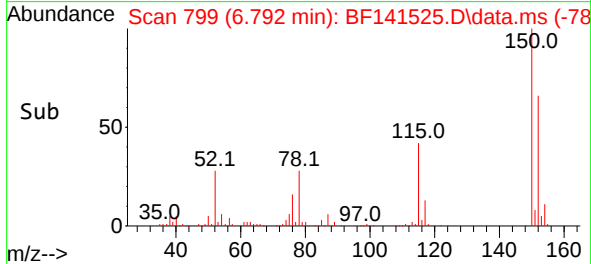
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025



Tgt Ion:152 Resp: 88460
Ion Ratio Lower Upper
152 100
150 152.0 125.0 187.4
115 63.9 53.6 80.4

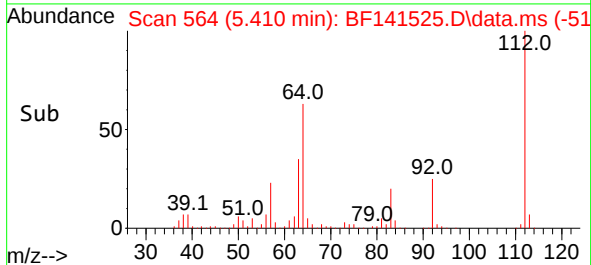
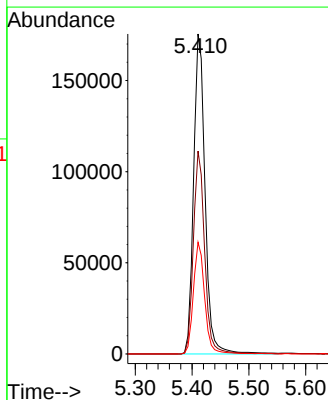
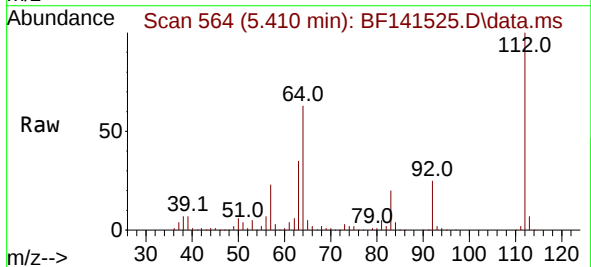
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#5
2-Fluorophenol
Concen: 43.898 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

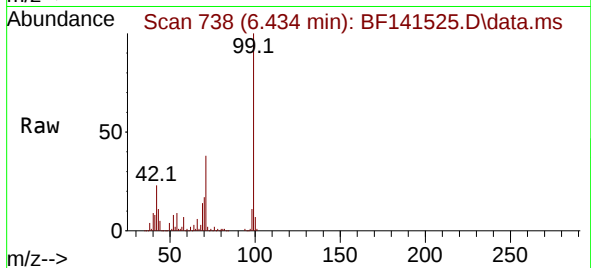
Tgt Ion:112 Resp: 247692
Ion Ratio Lower Upper
112 100
64 63.4 51.1 76.7
63 34.9 28.4 42.6





#7
Phenol-d6
Concen: 43.872 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

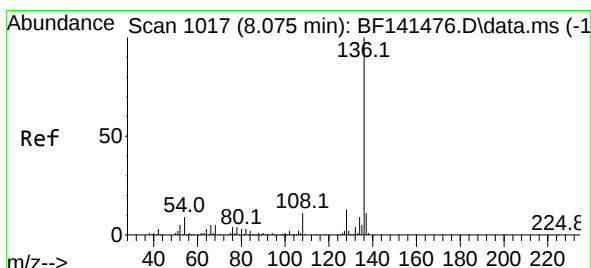
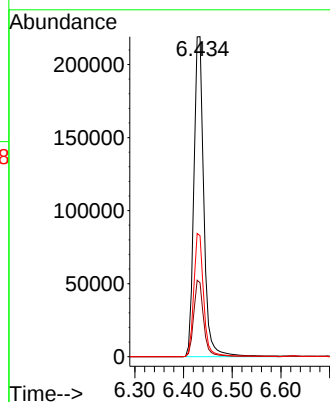
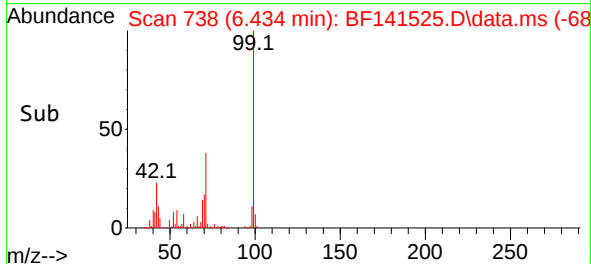
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025



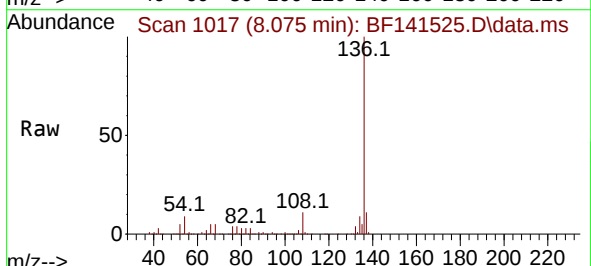
Tgt Ion: 99 Resp: 312879
Ion Ratio Lower Upper
99 100
42 23.1 19.1 28.7
71 37.8 31.1 46.7

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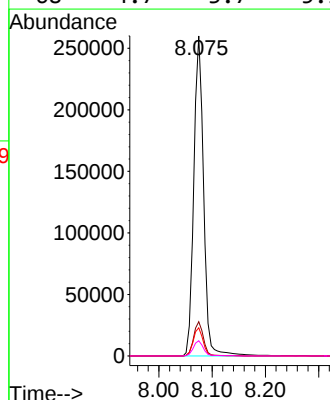
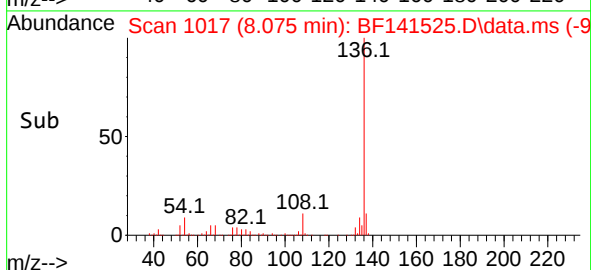
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00



Tgt Ion:136 Resp: 334845
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.8 7.2 10.8
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 29.201 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141525.D

Acq: 07 Feb 2025 23:00

Instrument :

BNA_F

ClientSampleId :

JPP-5.4-013025

Tgt Ion: 82 Resp: 18746

Ion Ratio Lower Upper

82 100

128 43.9 34.8 52.2

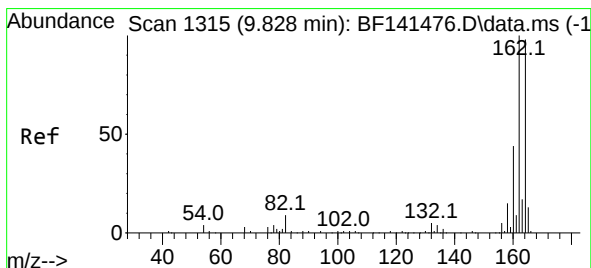
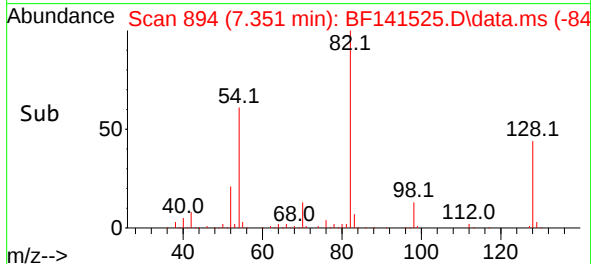
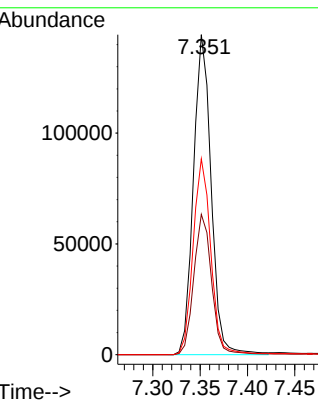
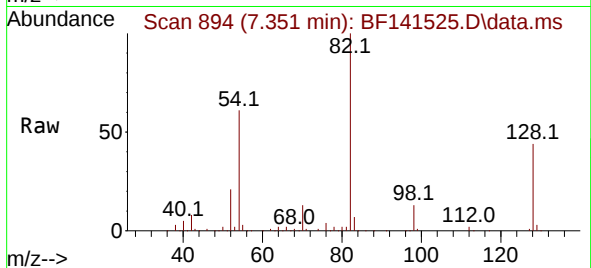
54 61.2 48.2 72.4

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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: BF141525.D

Acq: 07 Feb 2025 23:00

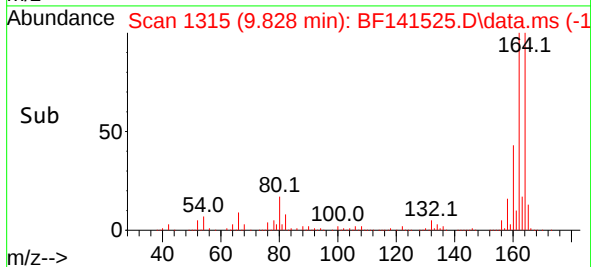
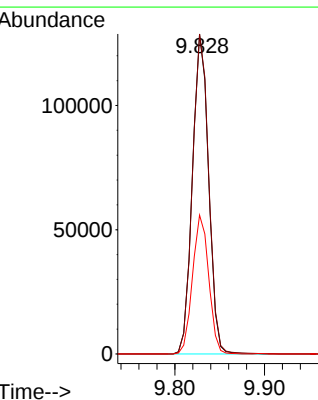
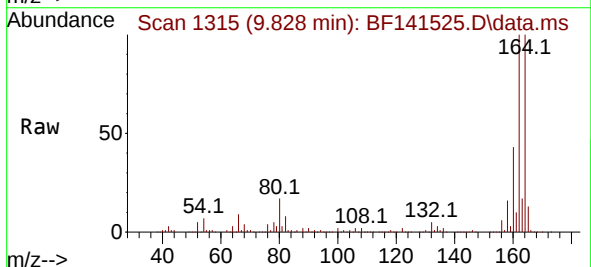
Tgt Ion:164 Resp: 160965

Ion Ratio Lower Upper

164 100

162 100.1 81.3 121.9

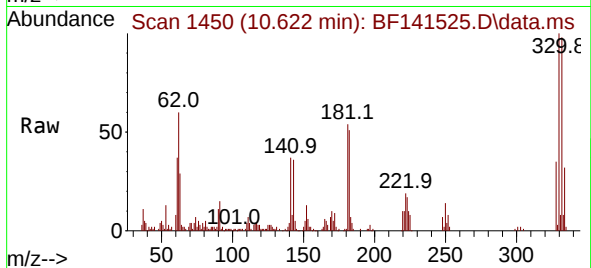
160 43.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 34.278 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

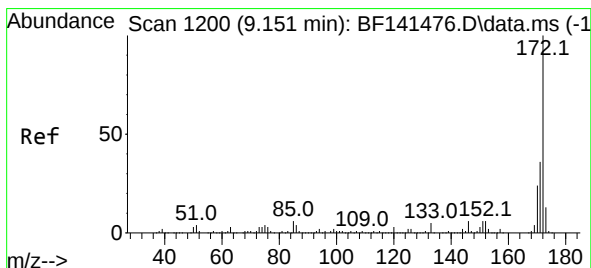
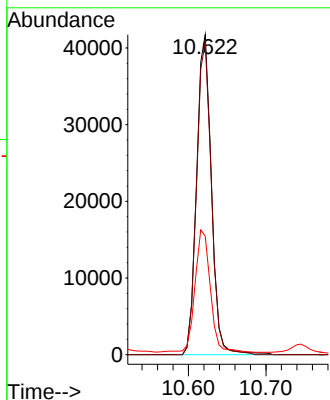
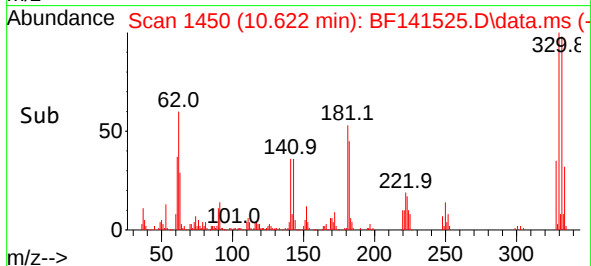
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025



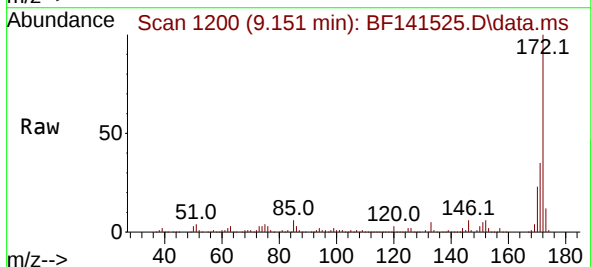
Tgt Ion: 330 Resp: 55420
Ion Ratio Lower Upper
330 100
332 97.0 78.5 117.7
141 40.0 31.0 46.4

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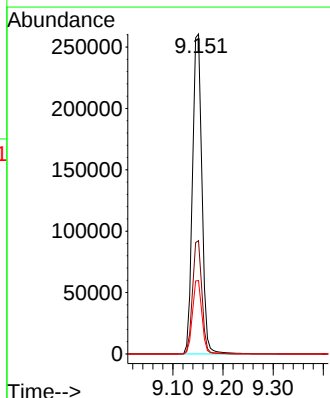
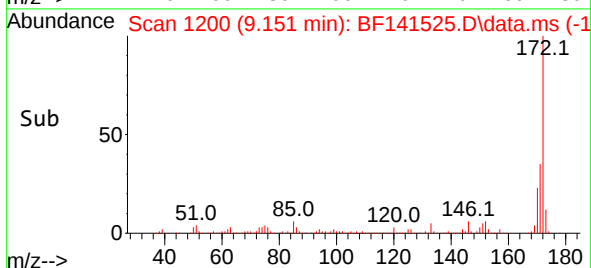
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

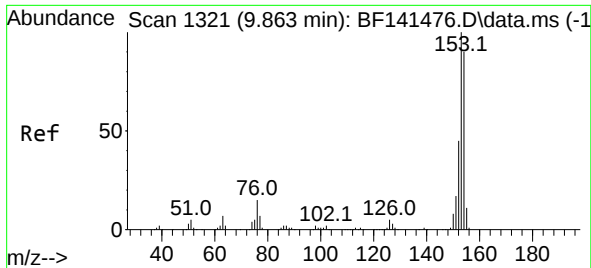


#45
2-Fluorobiphenyl
Concen: 32.606 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00



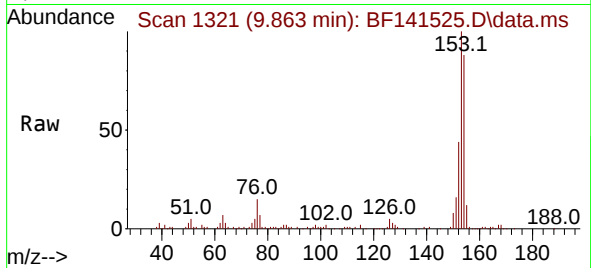
Tgt Ion: 172 Resp: 340669
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.0 18.9 28.3





#52
Acenaphthene
Concen: 6.324 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

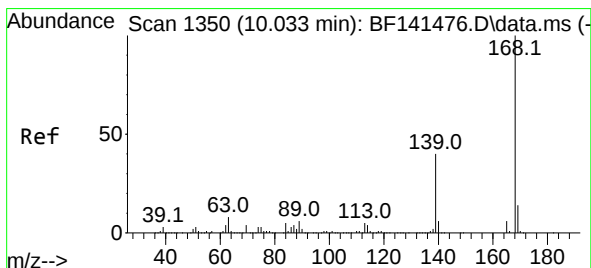
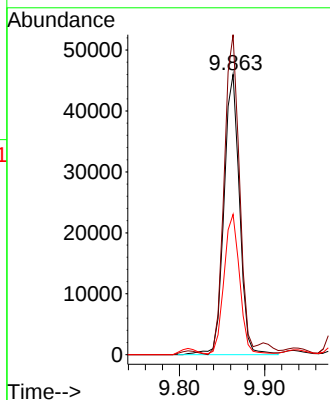
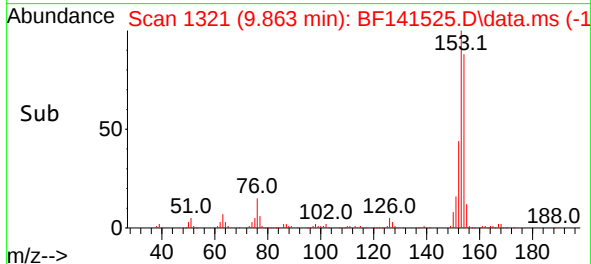
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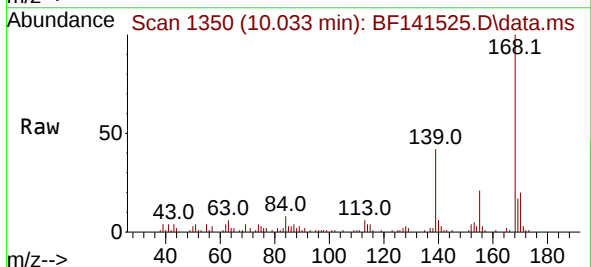
Tgt Ion:154 Resp: 58352
Ion Ratio Lower Upper
154 100
153 114.2 89.2 133.8
152 50.0 39.8 59.8

Manual Integrations
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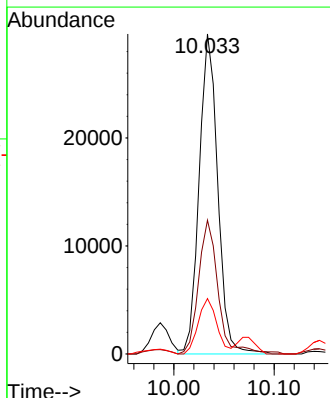
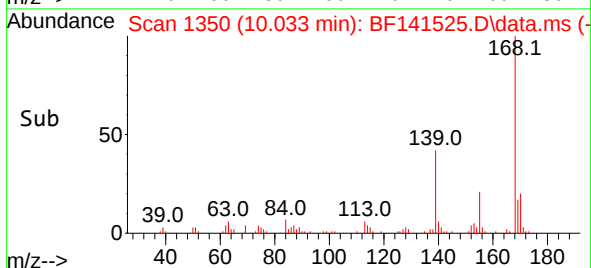
Reviewed By :Anahy Claudio 02/10/2025
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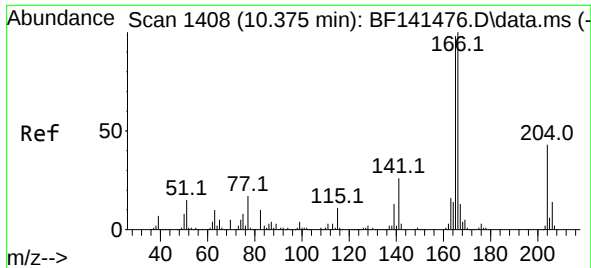


#55
Dibenzofuran
Concen: 2.819 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00



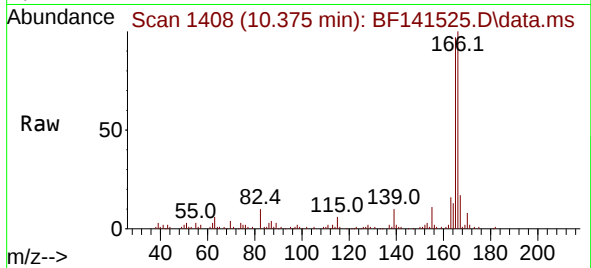
Tgt Ion:168 Resp: 38184
Ion Ratio Lower Upper
168 100
139 41.8 32.7 49.1
169 17.3 10.8 16.2#





#58
Fluorene
Concen: 5.202 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

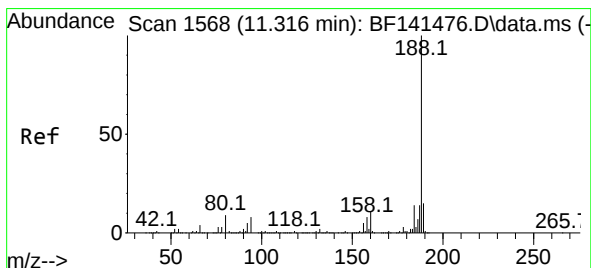
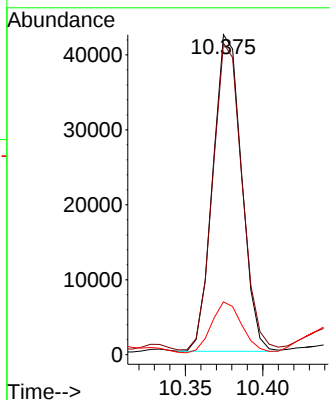
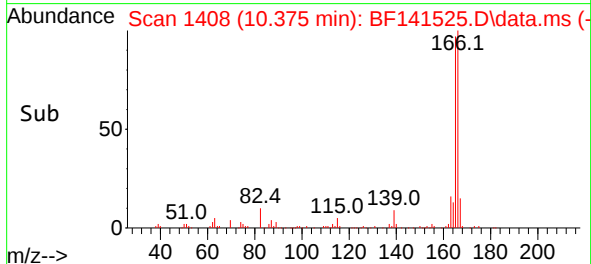
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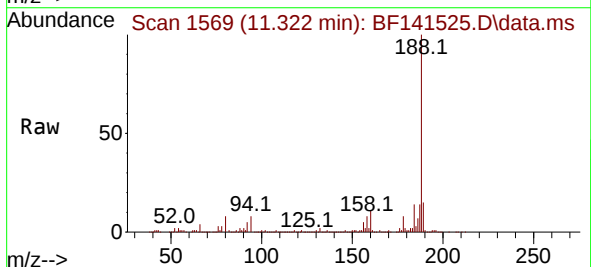
Tgt Ion:166 Resp: 54478
Ion Ratio Lower Upper
166 100
165 97.3 78.2 117.2
167 16.5 10.7 16.1

Manual Integrations
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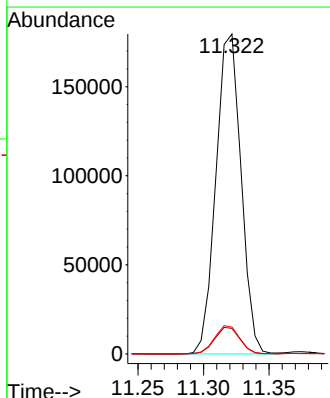
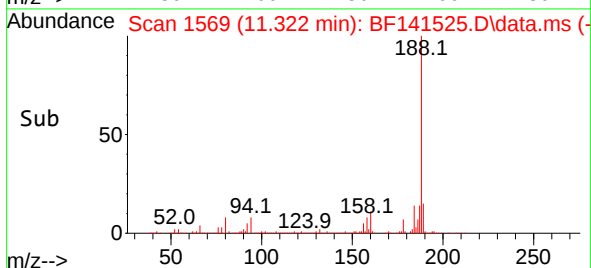
Reviewed By :Anahy Claudio 02/10/2025
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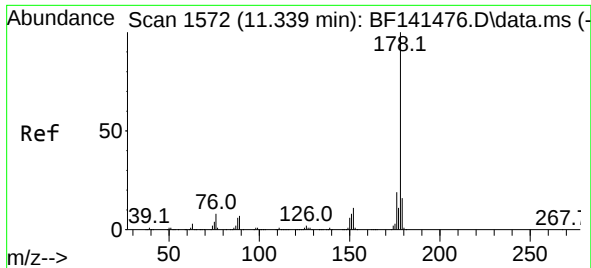


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1569
Delta R.T. 0.006 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00



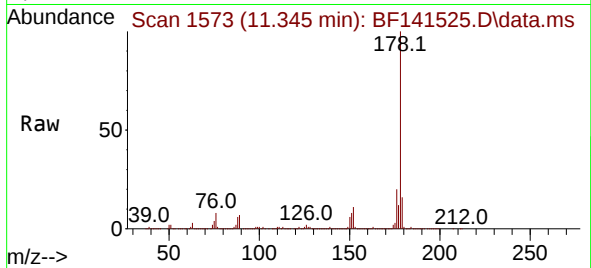
Tgt Ion:188 Resp: 239283
Ion Ratio Lower Upper
188 100
94 8.0 6.6 10.0
80 8.4 7.3 10.9





#71
Phenanthrene
Concen: 75.276 ng
RT: 11.345 min Scan# 1572
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

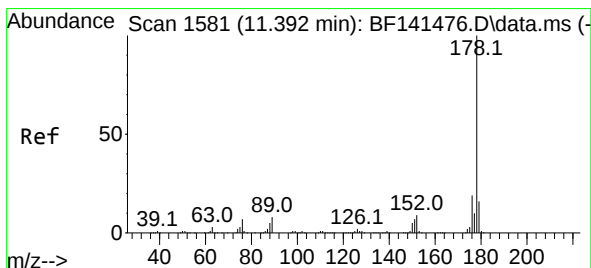
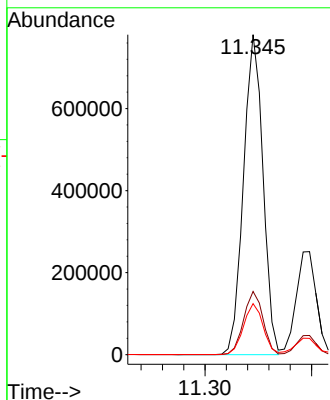
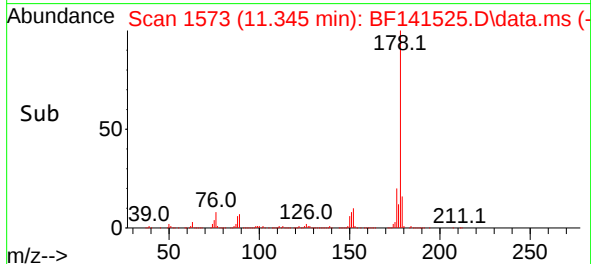
Instrument :
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ClientSampleId :
JPP-5.4-013025



Tgt Ion:178 Resp: 991499
Ion Ratio Lower Upper
178 100
176 19.7 15.4 23.0
179 15.9 12.4 18.6

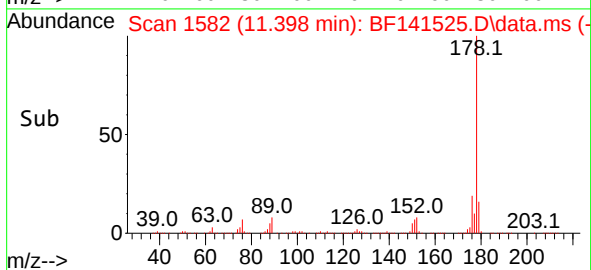
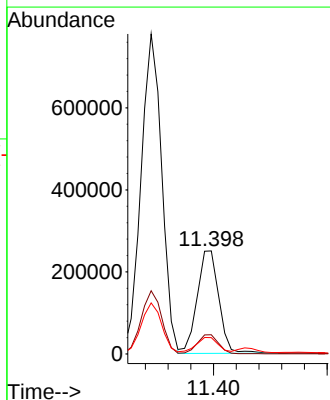
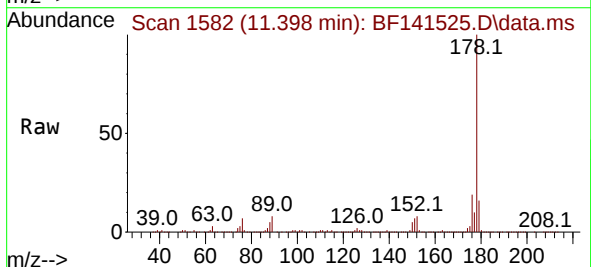
Manual Integrations
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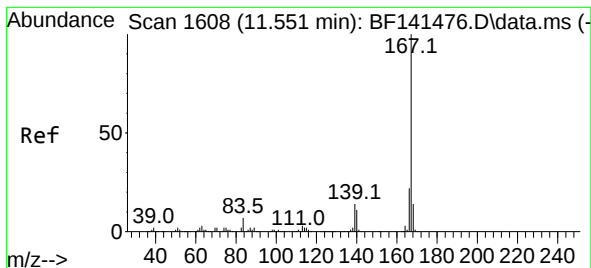
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#72
Anthracene
Concen: 25.080 ng
RT: 11.398 min Scan# 1582
Delta R.T. 0.000 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

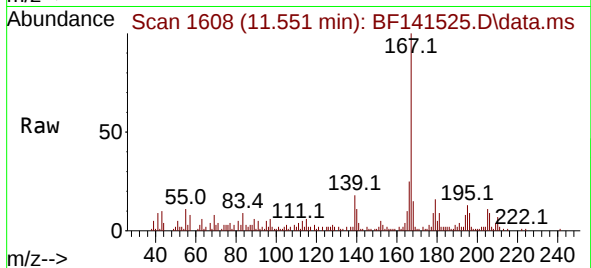
Tgt Ion:178 Resp: 332071
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.8 12.4 18.6





#73
 Carbazole
 Concen: 2.161 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141525.D
 Acq: 07 Feb 2025 23:00

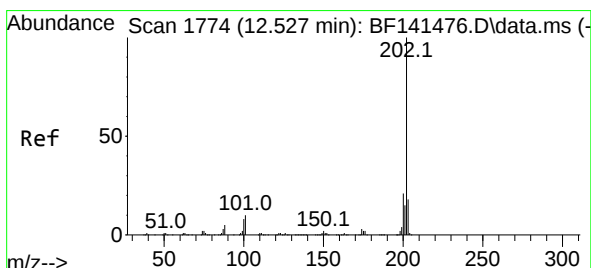
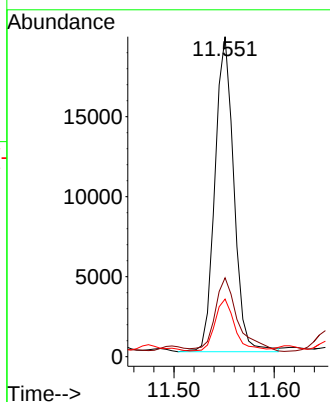
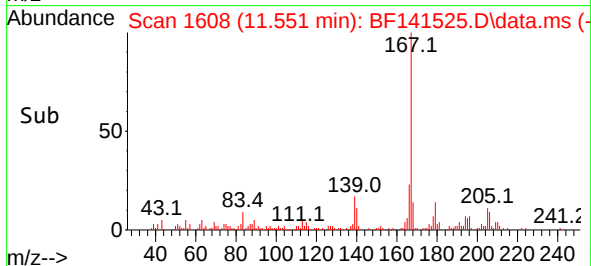
Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.4-013025



Tgt Ion:167 Resp: 25750
 Ion Ratio Lower Upper
 167 100
 166 24.6 17.4 26.2
 139 18.0 10.9 16.3

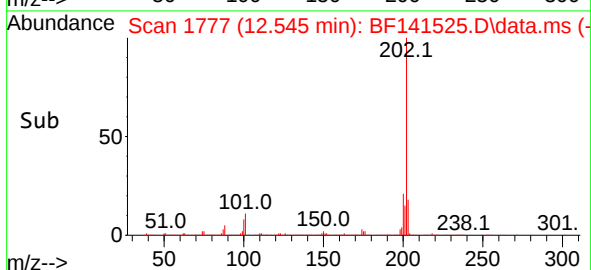
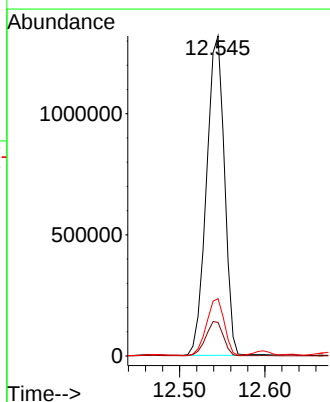
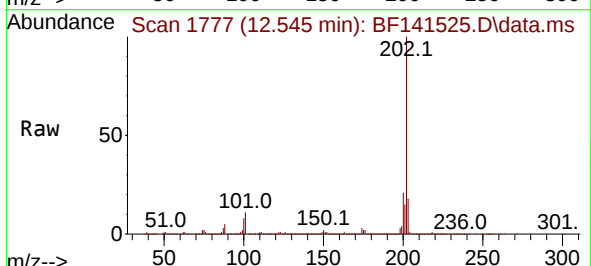
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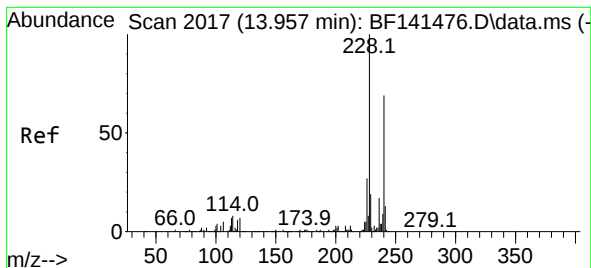
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#75
 Fluoranthene
 Concen: 138.004 ng
 RT: 12.545 min Scan# 1777
 Delta R.T. 0.012 min
 Lab File: BF141525.D
 Acq: 07 Feb 2025 23:00

Tgt Ion:202 Resp: 1927136
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.2
 203 17.9 0.0 37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2017

Delta R.T. 0.012 min

Lab File: BF141525.D

Acq: 07 Feb 2025 23:00

Instrument :

BNA_F

ClientSampleId :

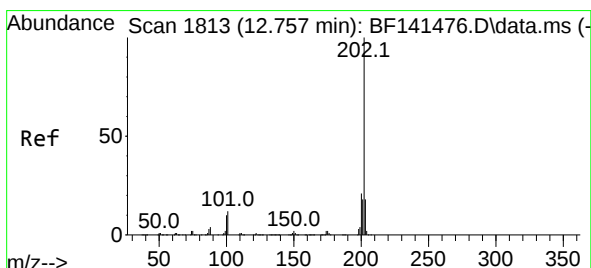
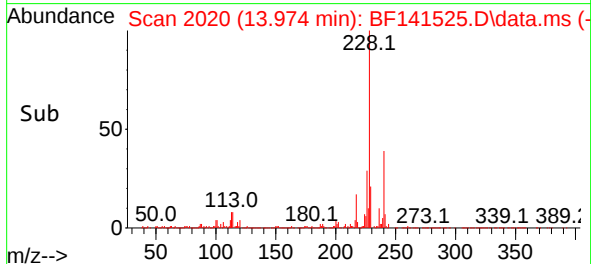
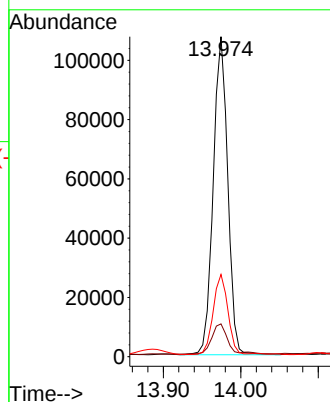
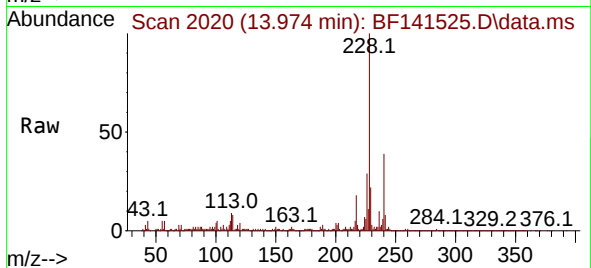
JPP-5.4-013025

Tgt Ion:240 Resp: 13938
 Ion Ratio Lower Upper
 240 100
 120 10.3 8.0 12.0
 236 25.7 19.8 29.8

Manual Integrations

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



#78

Pyrene

Concen: 148.251 ng

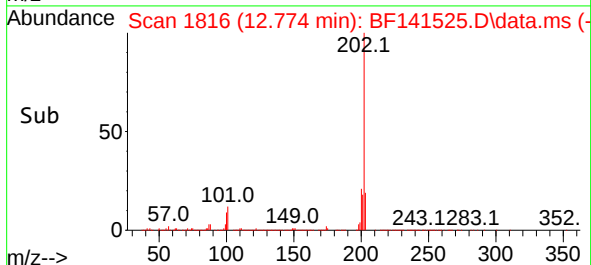
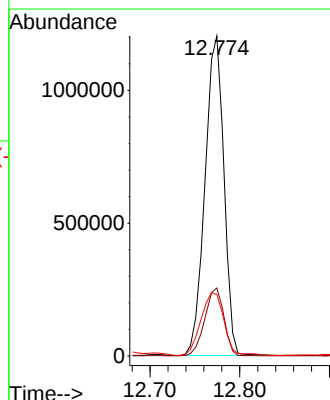
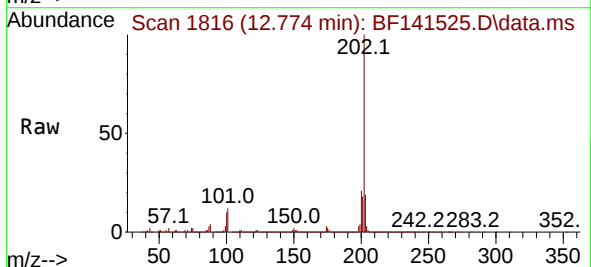
RT: 12.774 min Scan# 1816

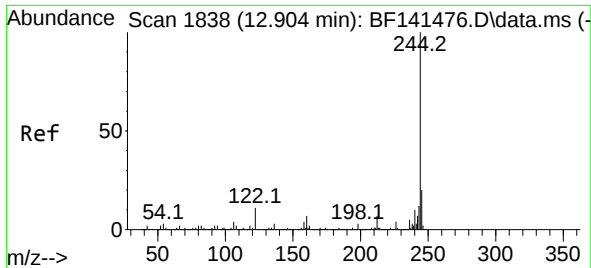
Delta R.T. 0.012 min

Lab File: BF141525.D

Acq: 07 Feb 2025 23:00

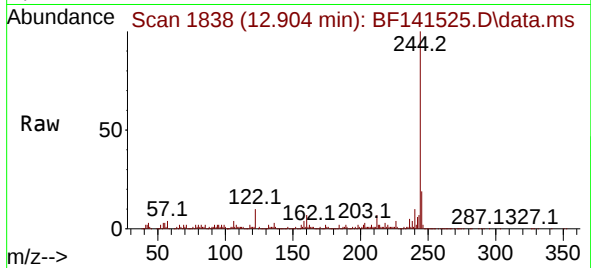
Tgt Ion:202 Resp: 1759024
 Ion Ratio Lower Upper
 202 100
 200 21.2 17.0 25.4
 203 19.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 32.321 ng
 RT: 12.904 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF141525.D
 Acq: 07 Feb 2025 23:00

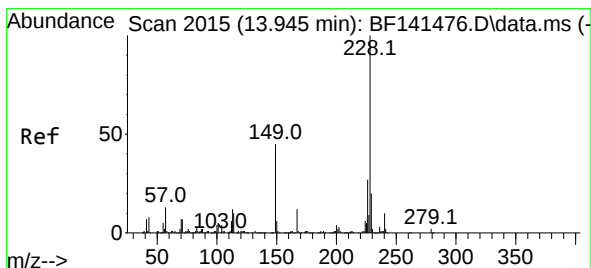
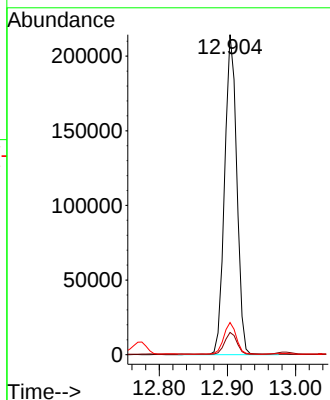
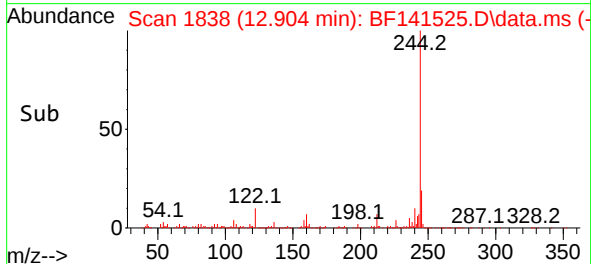
Instrument :
 BNA_F
 ClientSampleId :
 JPP-5.4-013025



Tgt Ion:244 Resp: 266854
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.6 8.4
 122 10.0 8.4 12.6

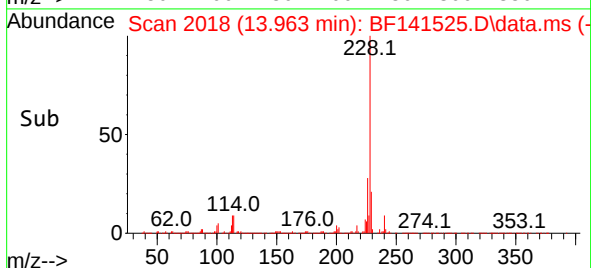
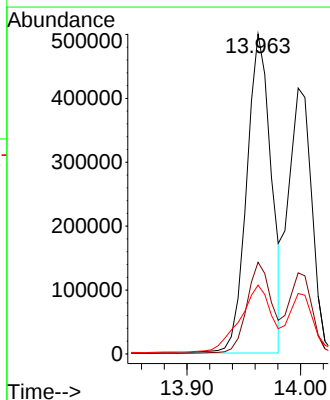
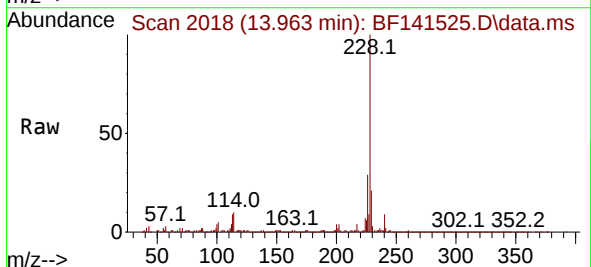
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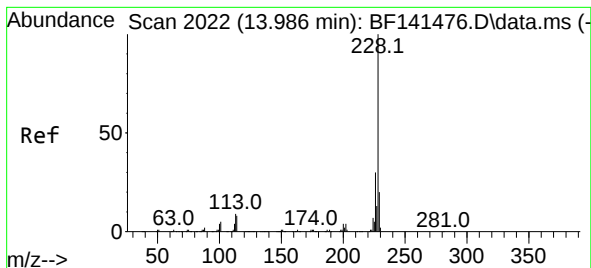
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#81
 Benzo(a)anthracene
 Concen: 80.967 ng
 RT: 13.963 min Scan# 2018
 Delta R.T. 0.012 min
 Lab File: BF141525.D
 Acq: 07 Feb 2025 23:00

Tgt Ion:228 Resp: 750173
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.8 32.8
 229 21.5 15.8 23.6





#83

Chrysene

Concen: 68.856 ng

RT: 13.998 min Scan# 2016

Delta R.T. 0.006 min

Lab File: BF141525.D

Acq: 07 Feb 2025 23:00

Instrument :

BNA_F

ClientSampleId :

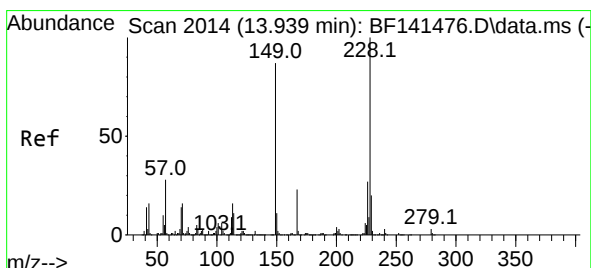
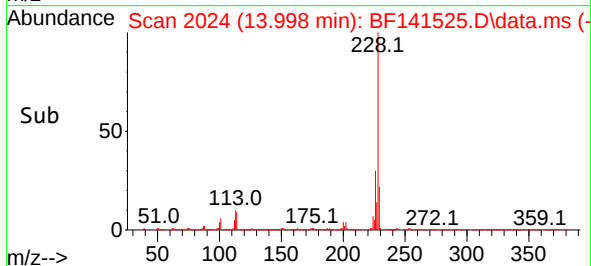
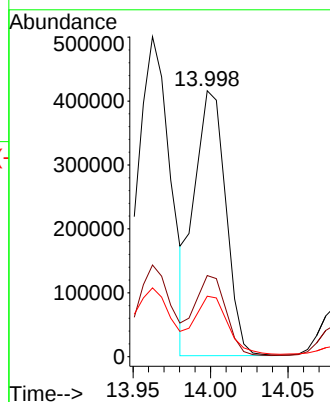
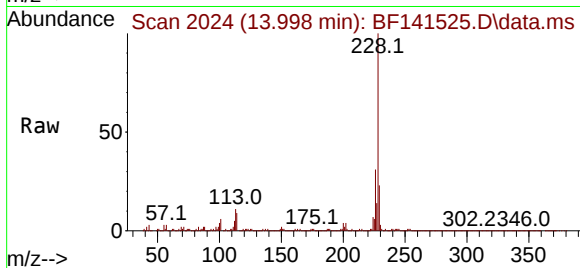
JPP-5.4-013025

Tgt Ion:	228	Resp:	589064
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.0	36.0
229	22.7	15.7	23.5

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.588 ng

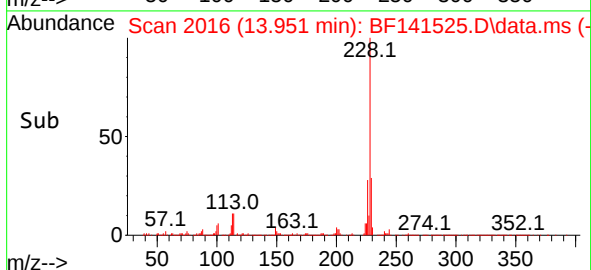
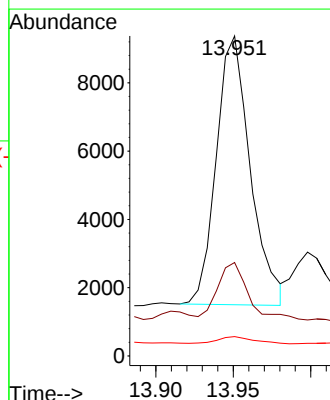
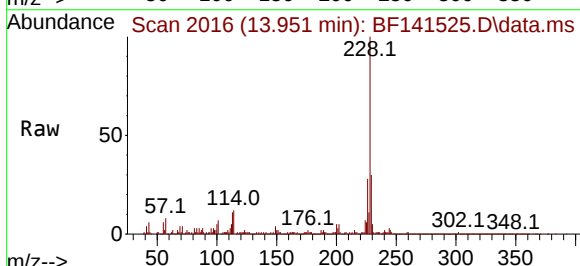
RT: 13.951 min Scan# 2016

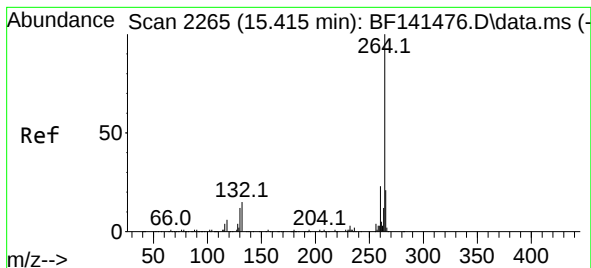
Delta R.T. 0.012 min

Lab File: BF141525.D

Acq: 07 Feb 2025 23:00

Tgt Ion:	149	Resp:	11998
Ion Ratio	Lower	Upper	
149	100		
167	29.2	21.4	32.0
279	6.0	3.1	4.7





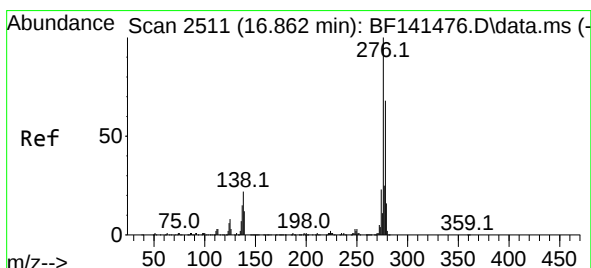
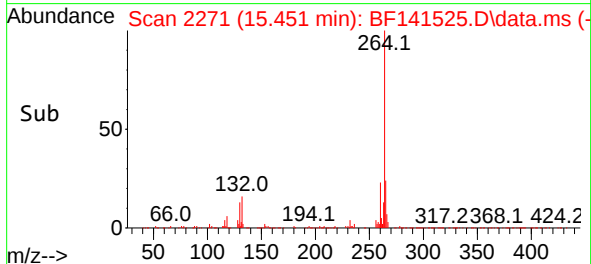
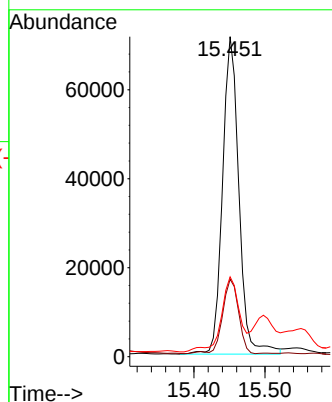
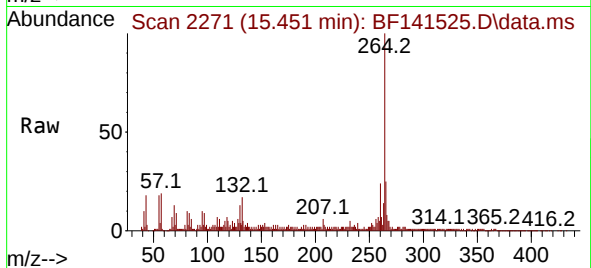
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2118
Delta R.T. 0.035 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Tgt Ion:264 Resp: 114069
Ion Ratio Lower Upper
264 100
260 24.2 18.6 28.0
265 25.0 17.0 25.4

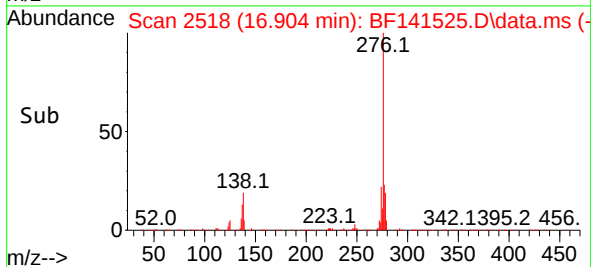
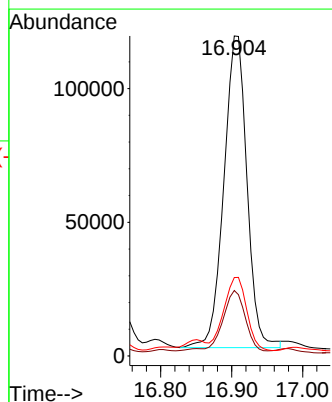
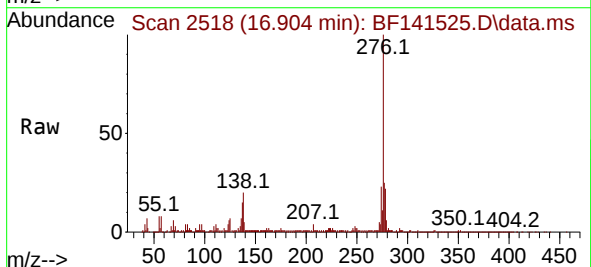
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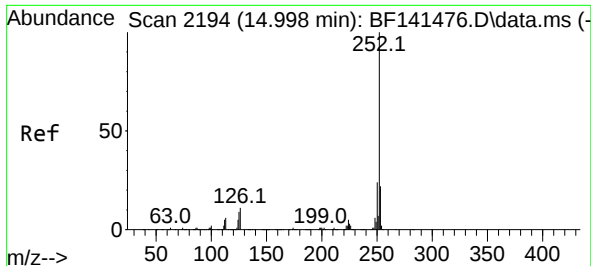
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#87
Indeno(1,2,3-cd)pyrene
Concen: 37.407 ng
RT: 16.904 min Scan# 2518
Delta R.T. 0.030 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

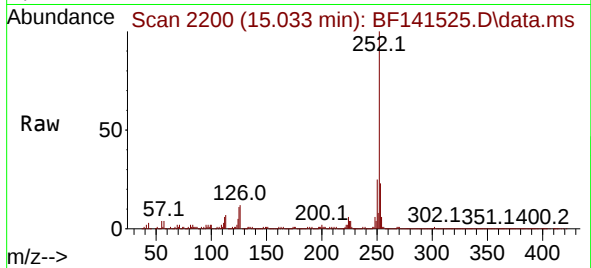
Tgt Ion:276 Resp: 263652
Ion Ratio Lower Upper
276 100
138 21.4 18.0 27.0
277 23.2 20.4 30.6





#88
Benzo(b)fluoranthene
Concen: 84.357 ng m
RT: 15.033 min Scan# 2194
Delta R.T. 0.030 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

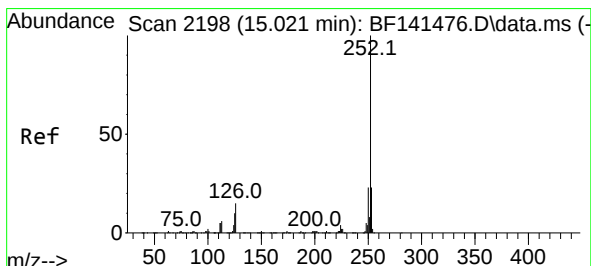
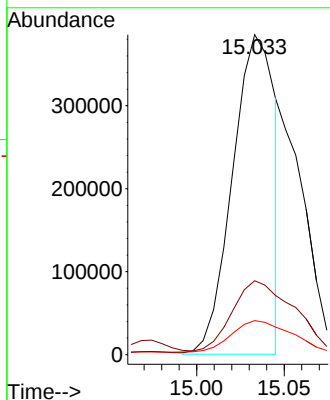
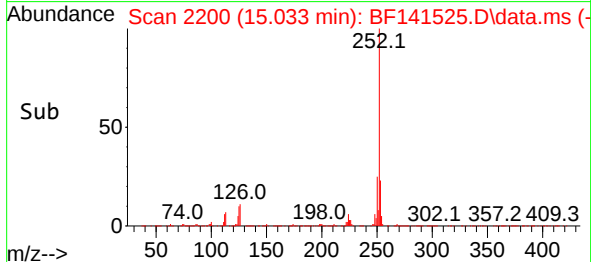
Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025



Tgt Ion:252 Resp: 64610
Ion Ratio Lower Upper
252 100
253 23.1 17.5 26.3
125 10.6 7.0 10.6

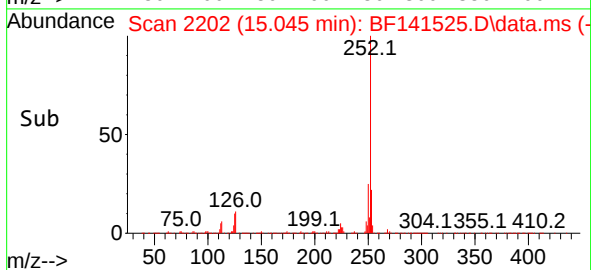
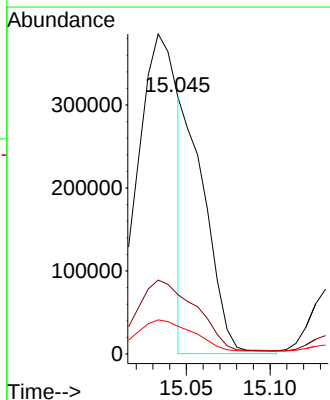
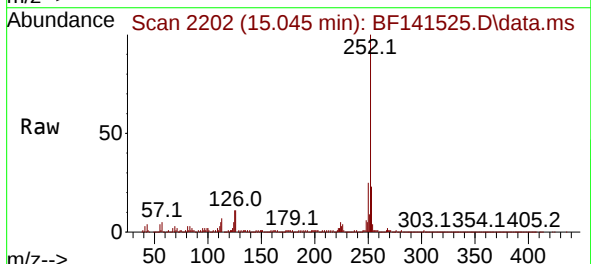
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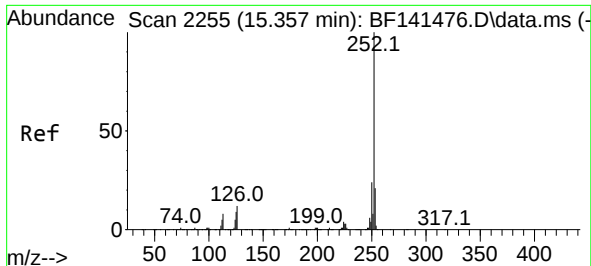
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#89
Benzo(k)fluoranthene
Concen: 44.563 ng m
RT: 15.045 min Scan# 2202
Delta R.T. 0.012 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Tgt Ion:252 Resp: 291452
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.8 7.4 11.0





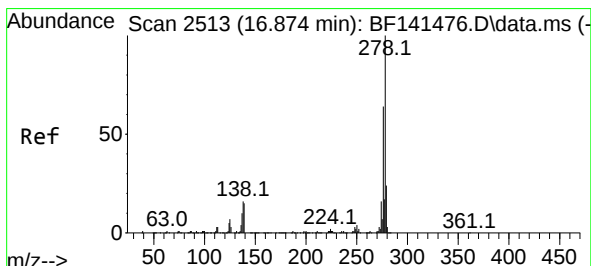
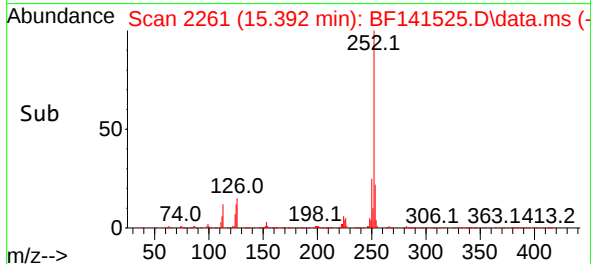
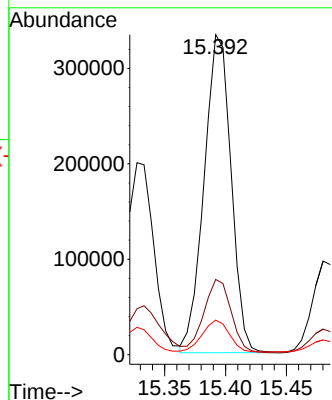
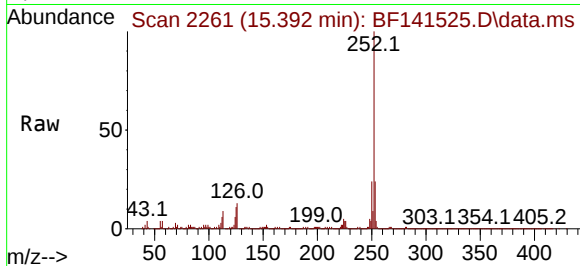
#90
Benzo(a)pyrene
Concen: 83.114 ng
RT: 15.392 min Scan# 21510
Delta R.T. 0.030 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025

Tgt Ion:252 Resp: 51510
Ion Ratio Lower Upper
252 100
253 23.5 17.1 25.7
125 10.8 7.4 11.2

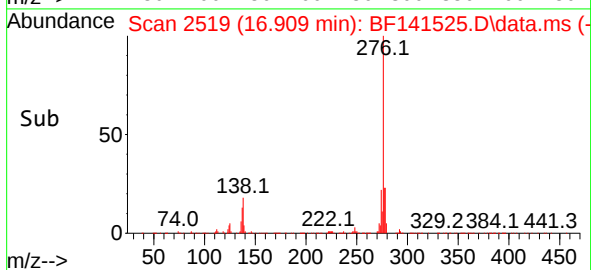
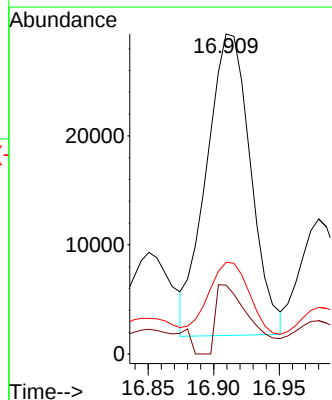
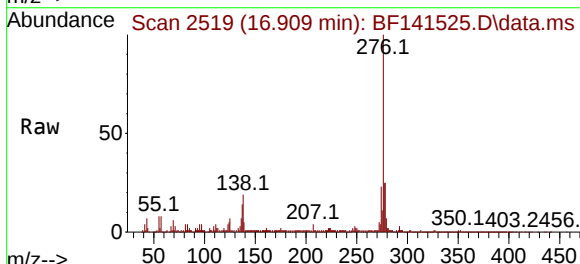
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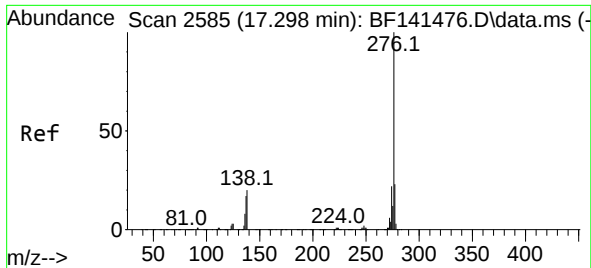
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#91
Dibenzo(a,h)anthracene
Concen: 11.401 ng
RT: 16.909 min Scan# 2519
Delta R.T. 0.018 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

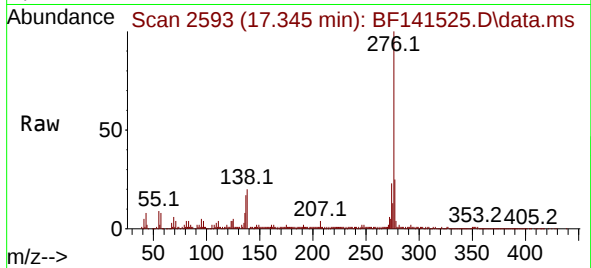
Tgt Ion:278 Resp: 65113
Ion Ratio Lower Upper
278 100
139 21.5 11.8 17.6#
279 28.7 19.1 28.7





#92
Benzo(g,h,i)perylene
Concen: 41.916 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.030 min
Lab File: BF141525.D
Acq: 07 Feb 2025 23:00

Instrument :
BNA_F
ClientSampleId :
JPP-5.4-013025



Tgt Ion:276 Resp: 250508
Ion Ratio Lower Upper
276 100
277 24.8 18.6 28.0
138 19.9 15.9 23.9

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

