

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141523.D
 Acq On : 07 Feb 2025 22:07
 Operator : RC/JU
 Sample : Q1232-07 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.1-012925

Manual Integrations
 APPROVED

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

Quant Time: Feb 08 00:32:09 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	83684	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	306437	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	148193	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	233826	20.000	ng	0.00
76) Chrysene-d12	13.963	240	140011	20.000	ng	0.00
86) Perylene-d12	15.433	264	112168	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	196103	36.738	ng	0.00
7) Phenol-d6	6.428	99	241743	35.832	ng	-0.01
23) Nitrobenzene-d5	7.351	82	150550	25.625	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	43345	29.117	ng	0.00
45) 2-Fluorobiphenyl	9.145	172	287255	29.864	ng	0.00
79) Terphenyl-d14	12.904	244	271687	32.758	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.092	128	39974	2.506	ng	99
52) Acenaphthene	9.863	154	46079	5.424	ng	99
55) Dibenzofuran	10.033	168	46607	3.738	ng	97
58) Fluorene	10.375	166	67984	7.051	ng	98
71) Phenanthrene	11.345	178	669208	51.993	ng	99
72) Anthracene	11.392	178	229061	17.704	ng	99
73) Carbazole	11.551	167	69266	5.950	ng	99
75) Fluoranthene	12.533	202	741690	54.353	ng	99
78) Pyrene	12.763	202	624112	52.364	ng	98
81) Benzo(a)anthracene	13.957	228	293119	31.494	ng	98
83) Chrysene	13.992	228	203345	23.662	ng	96
87) Indeno(1,2,3-cd)pyrene	16.880	276	67796	9.782	ng	# 94
88) Benzo(b)fluoranthene	15.015	252	205312m	27.260	ng	
89) Benzo(k)fluoranthene	15.027	252	73916m	11.493	ng	
90) Benzo(a)pyrene	15.368	252	146577	24.052	ng	# 94
91) Dibenzo(a,h)anthracene	16.892	278	20121	3.583	ng	# 77
92) Benzo(g,h,i)perylene	17.315	276	63057	10.730	ng	94

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

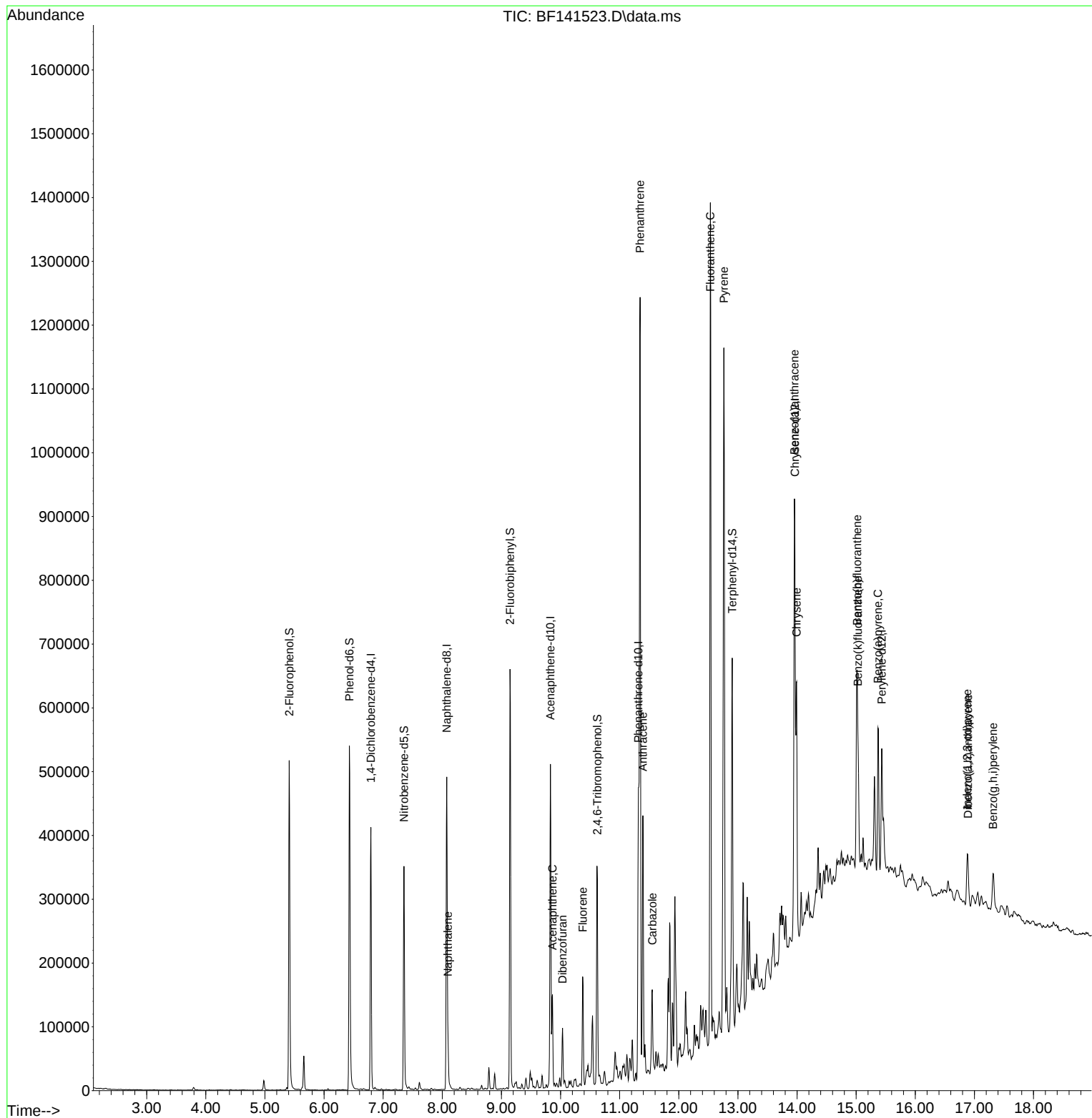
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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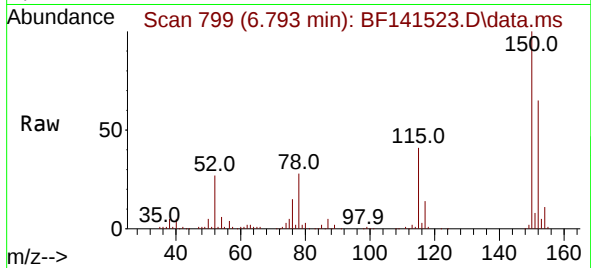
Quant Time: Feb 08 00:32:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF020625.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 16:58:59 2025
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 798
Delta R.T. 0.001 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

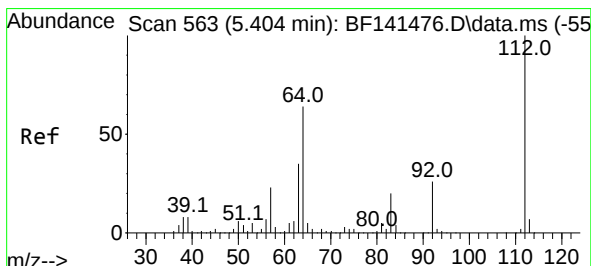
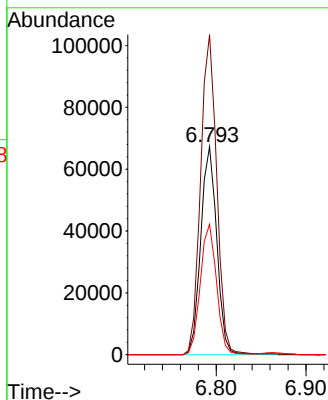
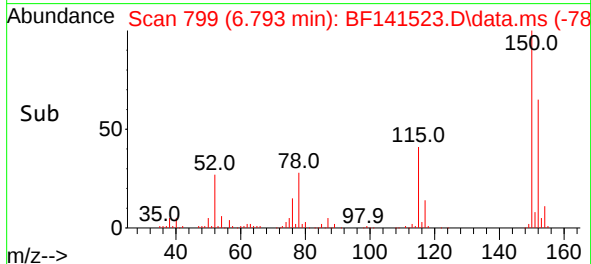
Instrument :
BNA_F
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JPP-46.1-012925



Tgt Ion:152 Resp: 83684
Ion Ratio Lower Upper
152 100
150 153.9 125.0 187.4
115 62.7 53.6 80.4

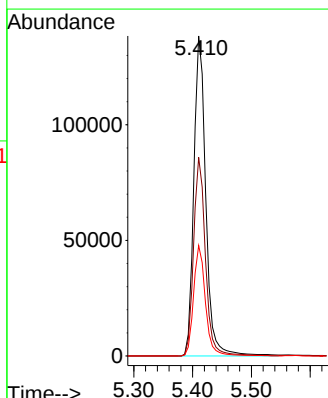
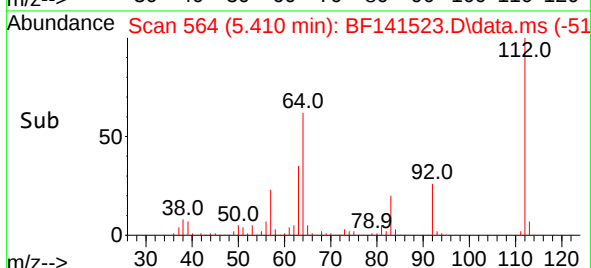
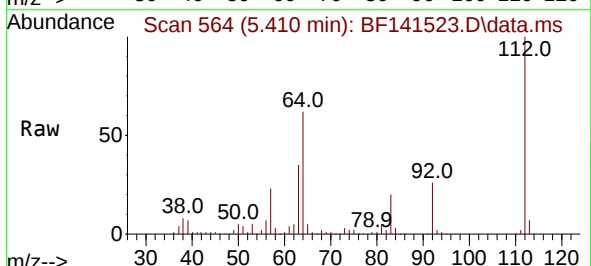
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#5
2-Fluorophenol
Concen: 36.738 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

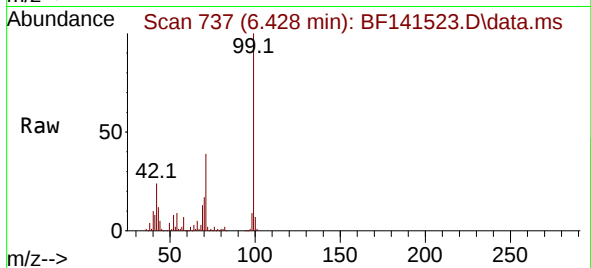
Tgt Ion:112 Resp: 196103
Ion Ratio Lower Upper
112 100
64 62.0 51.1 76.7
63 34.5 28.4 42.6





#7
Phenol-d6
Concen: 35.832 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

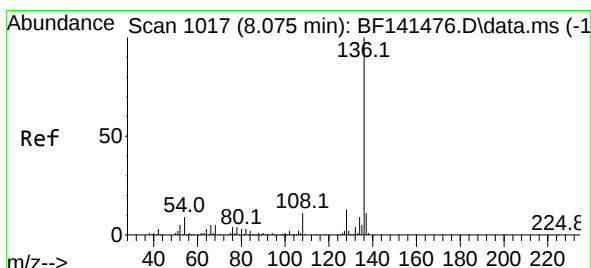
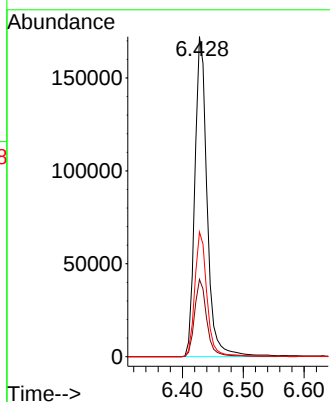
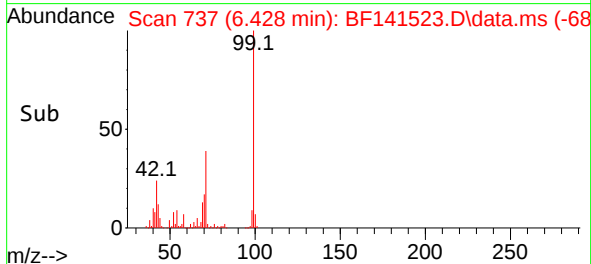
Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925



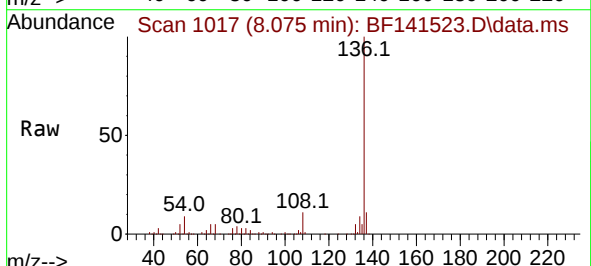
Tgt Ion: 99 Resp: 24174
Ion Ratio Lower Upper
99 100
42 24.2 19.1 28.7
71 39.0 31.1 46.7

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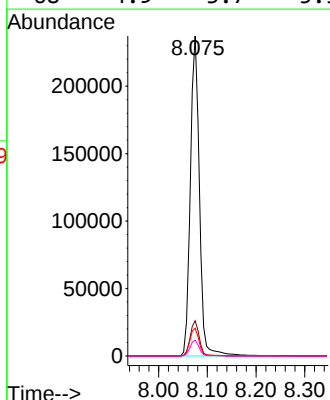
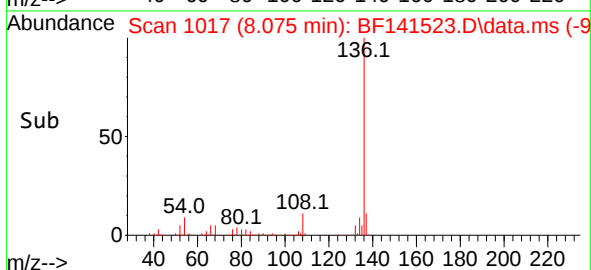
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07



Tgt Ion:136 Resp: 306437
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.7 7.2 10.8
68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 25.625 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

Tgt Ion: 82 Resp: 150550

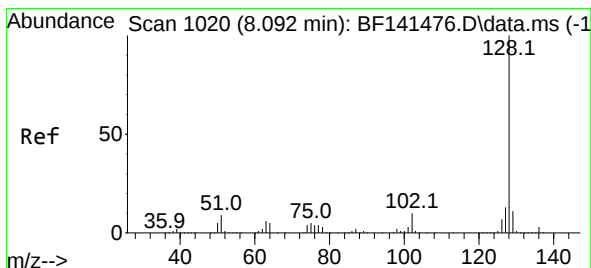
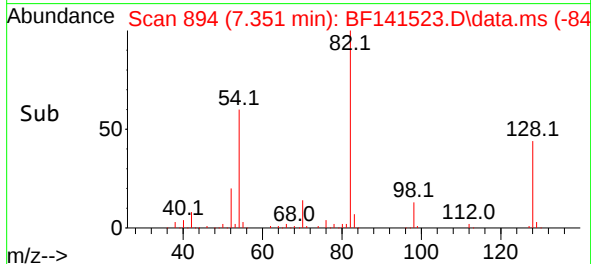
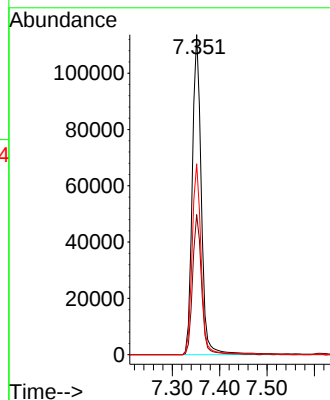
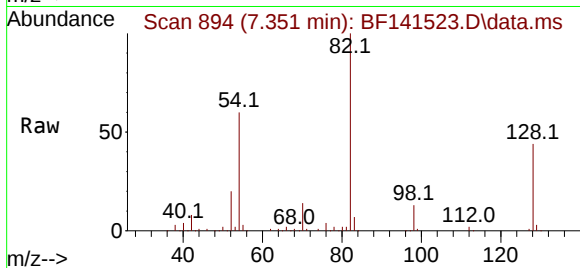
Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.8	52.2
54	59.6	48.2	72.4

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#31

Naphthalene

Concen: 2.506 ng

RT: 8.092 min Scan# 1020

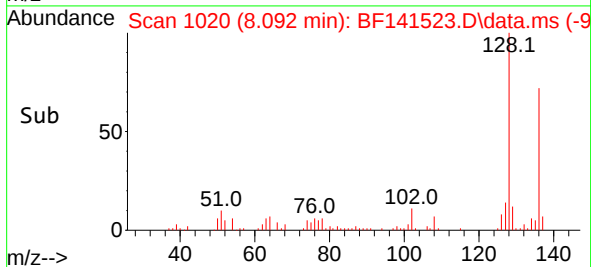
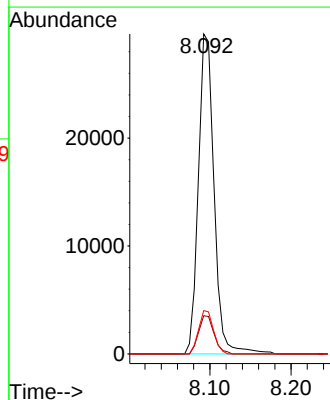
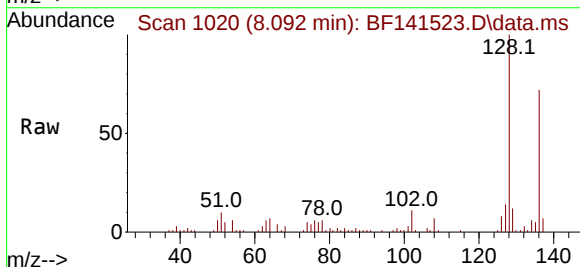
Delta R.T. -0.006 min

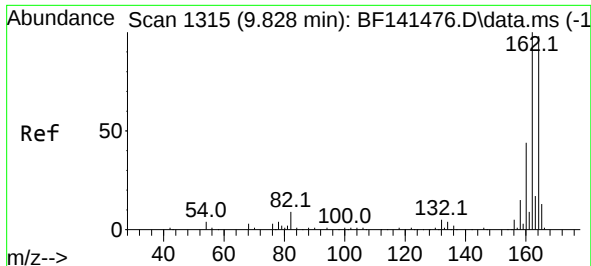
Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Tgt Ion:128 Resp: 39974

Ion	Ratio	Lower	Upper
128	100		
129	12.0	8.9	13.3
127	13.6	10.7	16.1





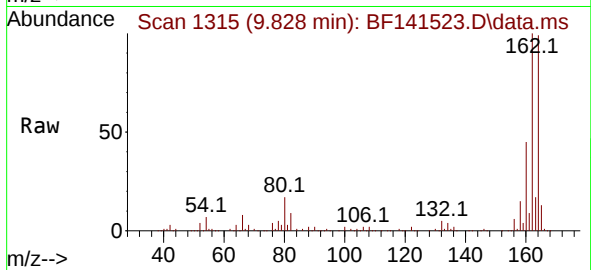
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Instrument :

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ClientSampleId :

JPP-46.1-012925

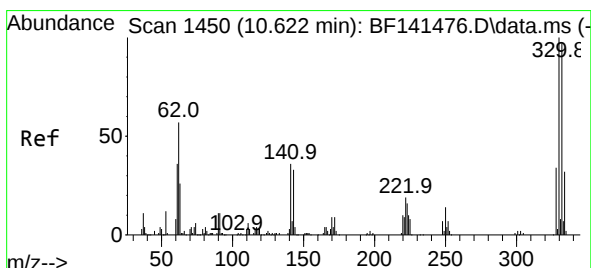
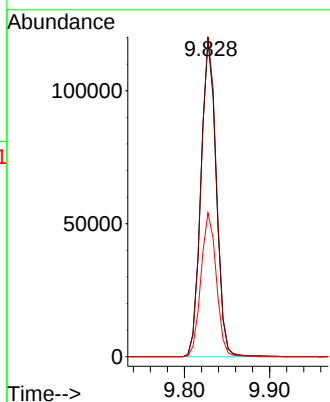
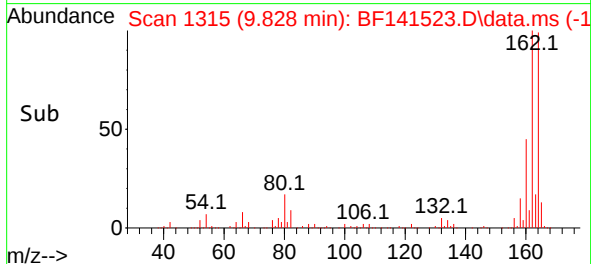


Tgt Ion:164 Resp: 14819
Ion Ratio Lower Upper
164 100
162 101.2 81.3 121.9
160 45.5 35.9 53.9

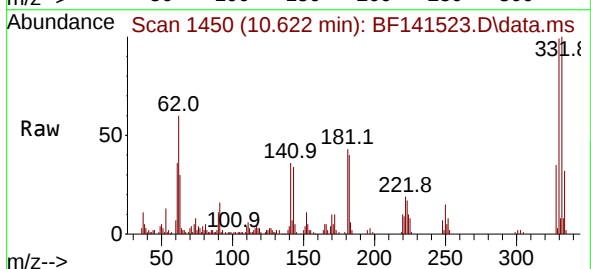
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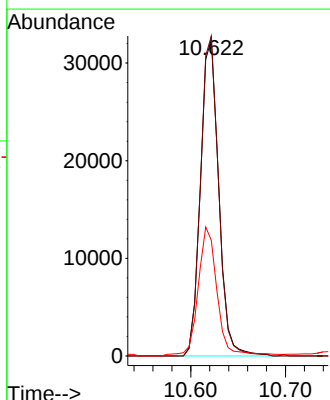
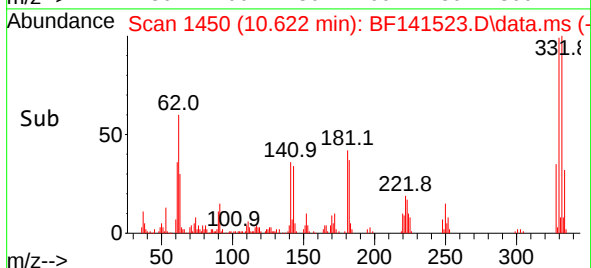
Reviewed By :Anahy Claudio 02/10/2025
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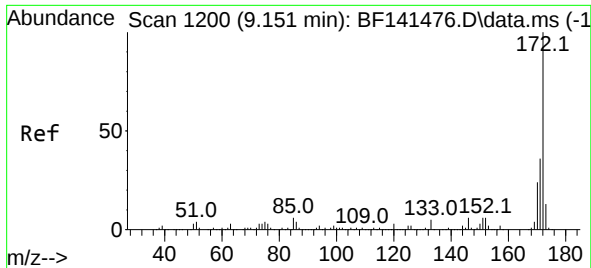


#42
2,4,6-Tribromophenol
Concen: 29.117 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07



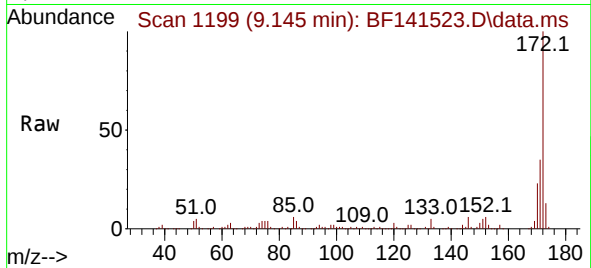
Tgt Ion:330 Resp: 43345
Ion Ratio Lower Upper
330 100
332 99.9 78.5 117.7
141 42.7 31.0 46.4





#45
2-Fluorobiphenyl
Concen: 29.864 ng
RT: 9.145 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

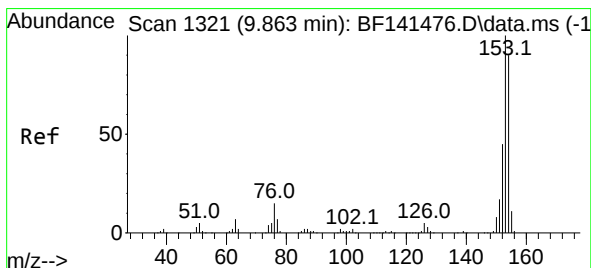
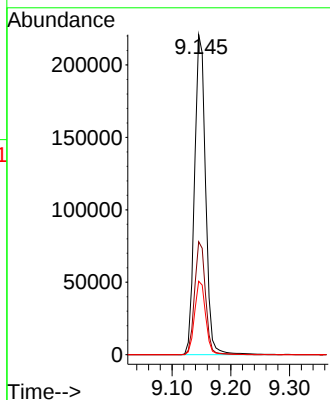
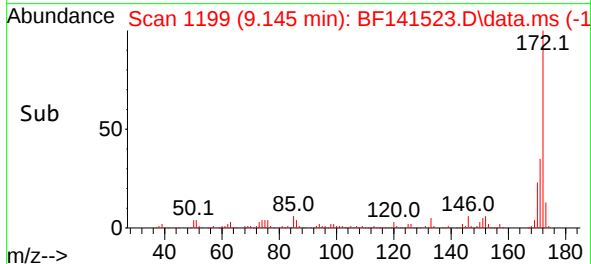
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BNA_F
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JPP-46.1-012925



Tgt Ion:172 Resp: 28725
Ion Ratio Lower Upper
172 100
171 35.3 28.7 43.1
170 22.9 18.9 28.3

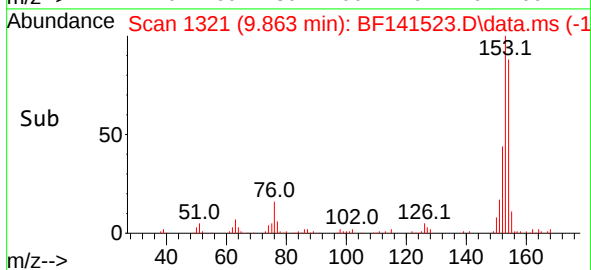
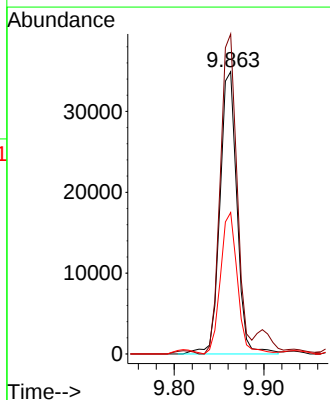
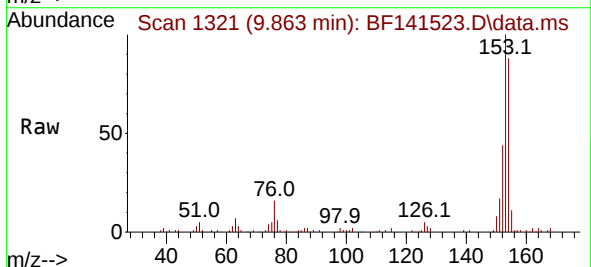
Manual Integrations
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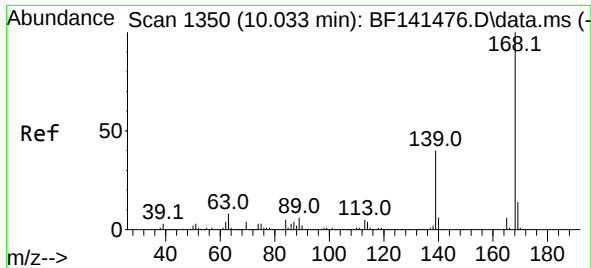
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#52
Acenaphthene
Concen: 5.424 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

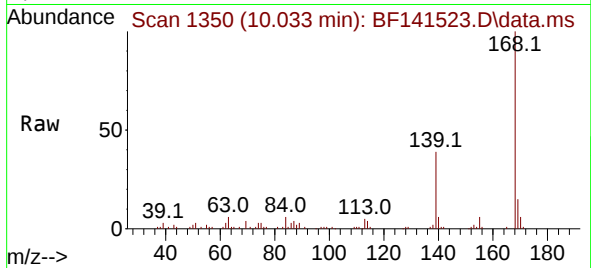
Tgt Ion:154 Resp: 46079
Ion Ratio Lower Upper
154 100
153 113.4 89.2 133.8
152 50.1 39.8 59.8





#55
Dibenzenofuran
Concen: 3.738 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

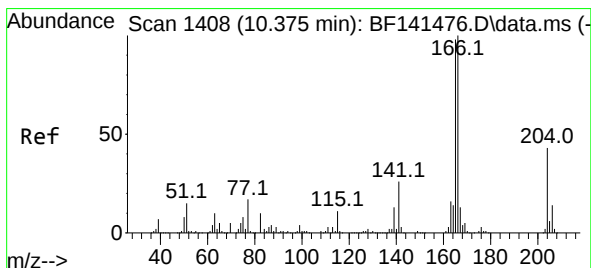
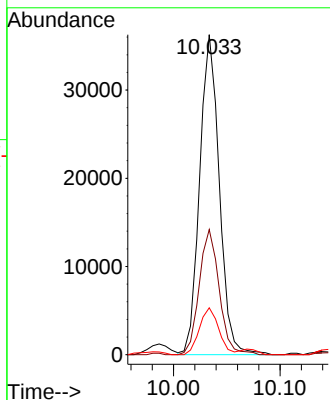
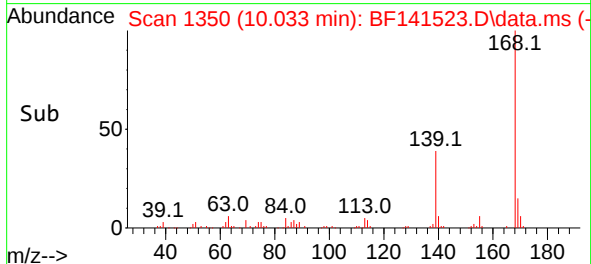
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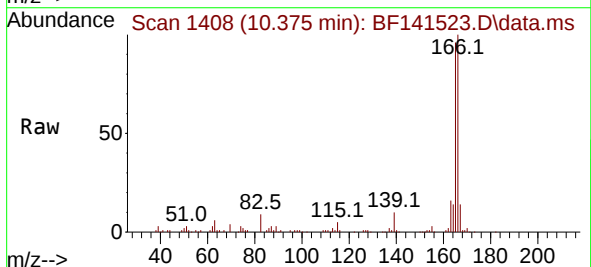
Tgt Ion:168 Resp: 4660
Ion Ratio Lower Upper
168 100
139 39.1 32.7 49.1
169 14.7 10.8 16.2

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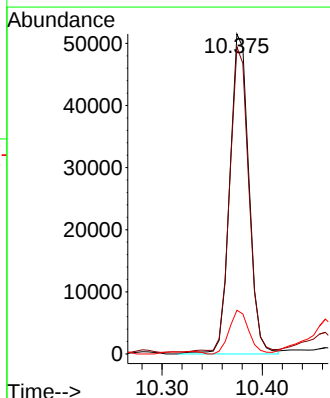
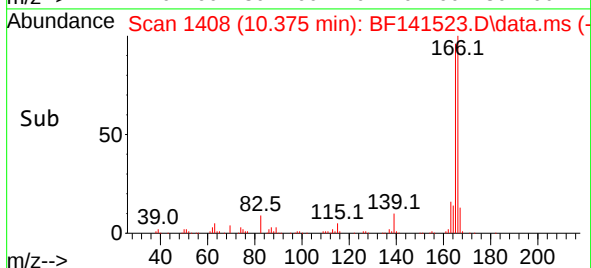
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

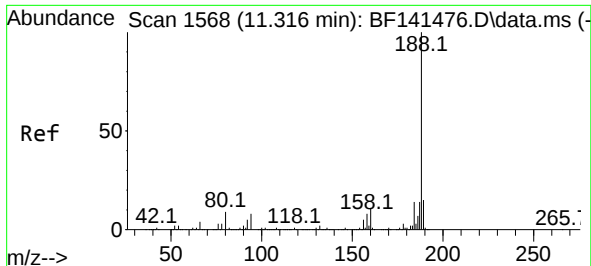


#58
Fluorene
Concen: 7.051 ng
RT: 10.375 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07



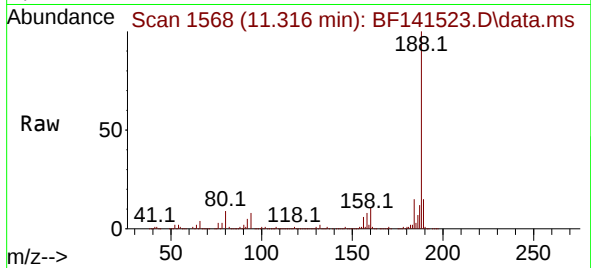
Tgt Ion:166 Resp: 67984
Ion Ratio Lower Upper
166 100
165 95.9 78.2 117.2
167 13.6 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

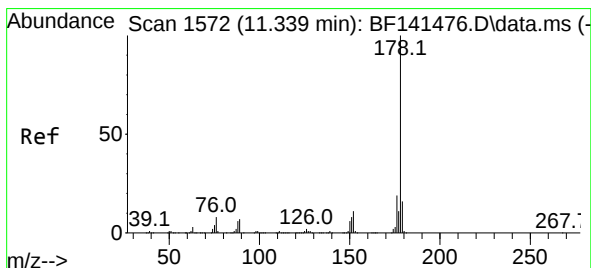
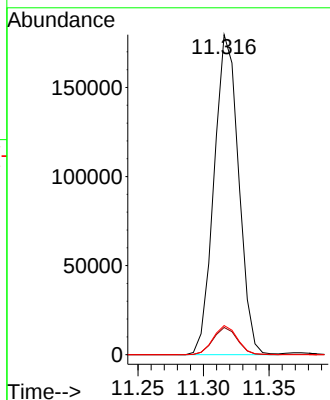
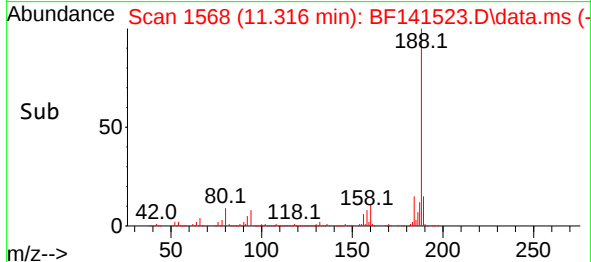
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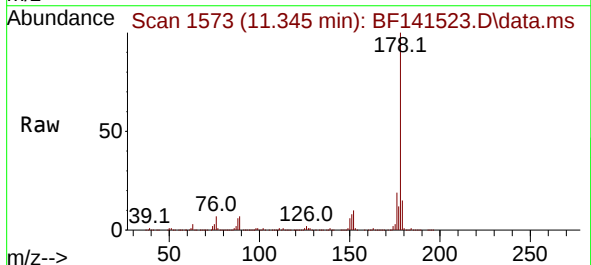
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Ion Ratio Lower Upper
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94 8.5 6.6 10.0
80 9.1 7.3 10.9

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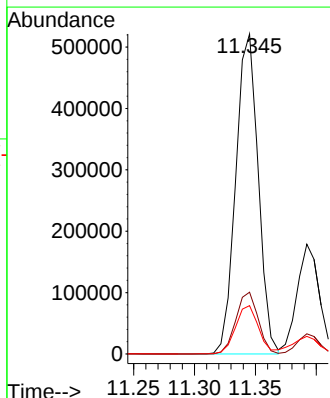
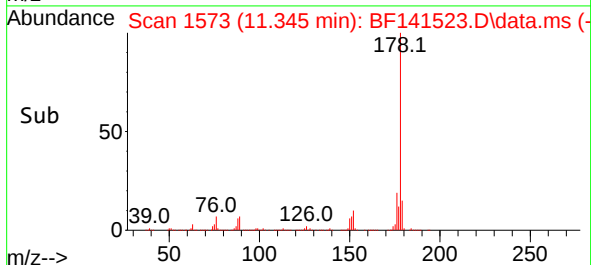
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

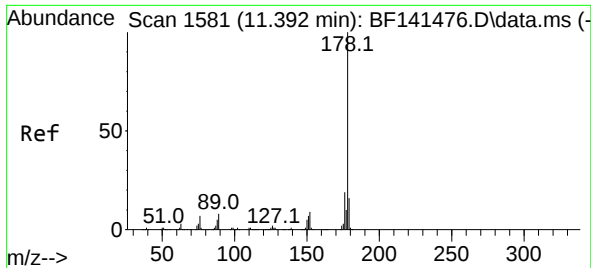


#71
Phenanthrene
Concen: 51.993 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07



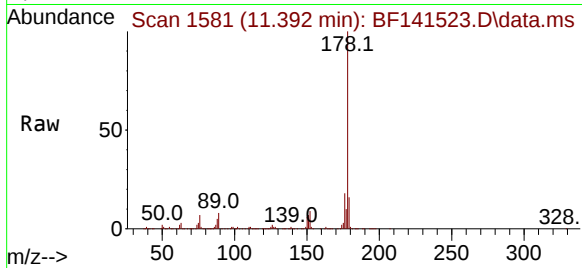
Tgt Ion:178 Resp: 669208
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.1 12.4 18.6





#72
 Anthracene
 Concen: 17.704 ng
 RT: 11.392 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF141523.D
 Acq: 07 Feb 2025 22:07

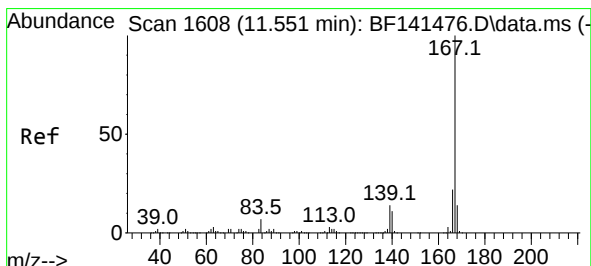
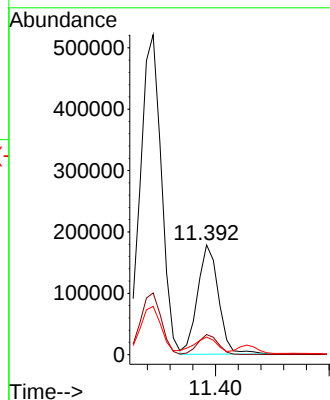
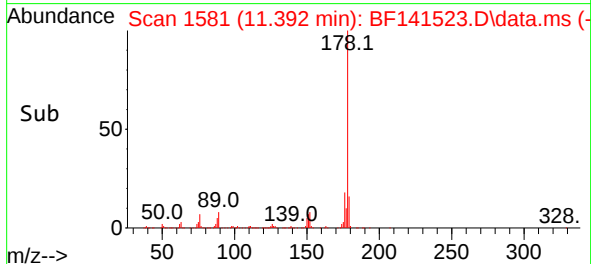
Instrument :
 BNA_F
 ClientSampleId :
 JPP-46.1-012925



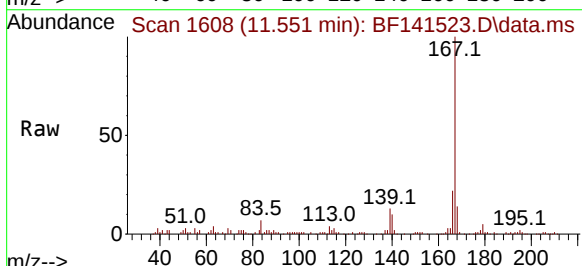
Tgt Ion:178 Resp: 22906
 Ion Ratio Lower Upper
 178 100
 176 18.4 14.8 22.2
 179 16.0 12.4 18.6

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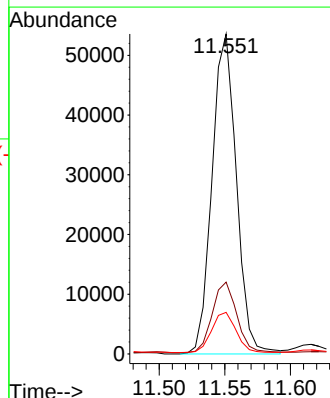
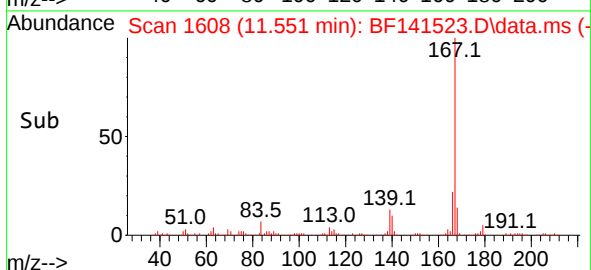
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025

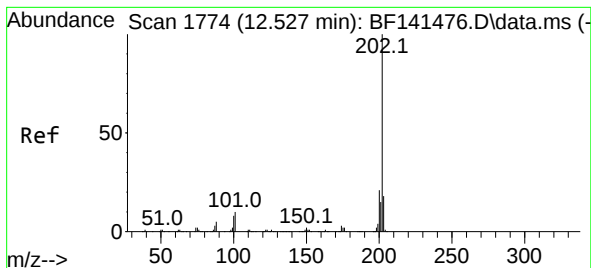


#73
 Carbazole
 Concen: 5.950 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141523.D
 Acq: 07 Feb 2025 22:07



Tgt Ion:167 Resp: 69266
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.4 26.2
 139 13.0 10.9 16.3





#75

Fluoranthene

Concen: 54.353 ng

RT: 12.533 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

Tgt Ion:202 Resp: 741690

Ion Ratio Lower Upper

202 100

101 10.1 0.0 30.2

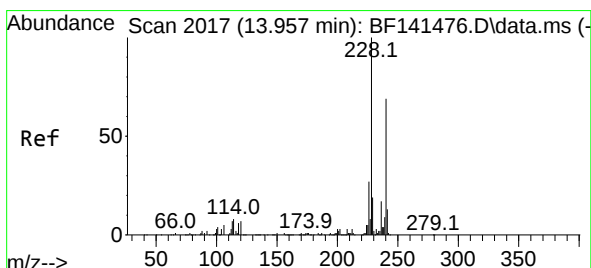
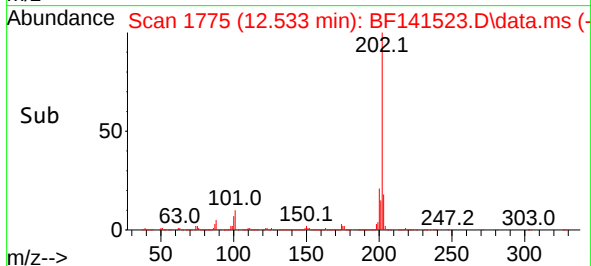
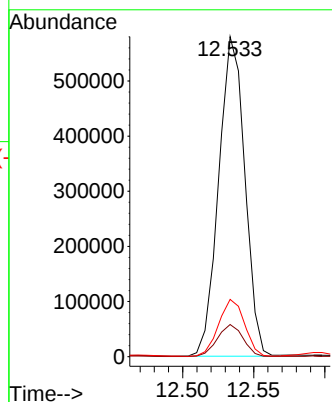
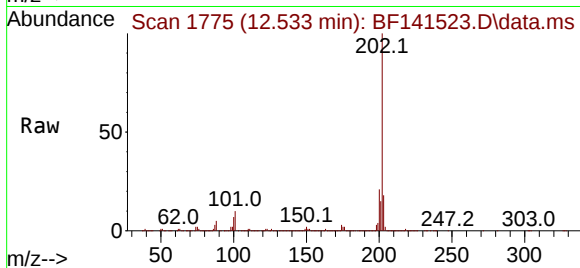
203 17.9 0.0 37.6

Manual Integrations

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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: BF141523.D

Acq: 07 Feb 2025 22:07

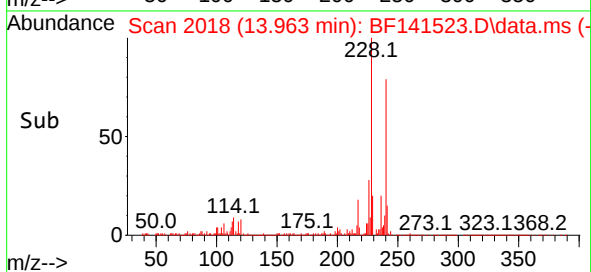
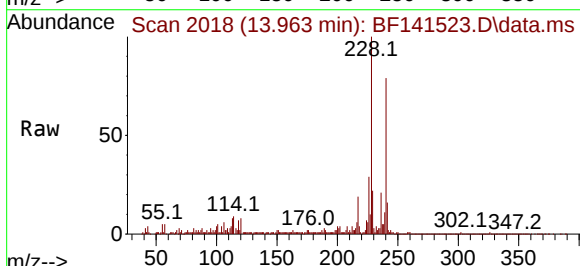
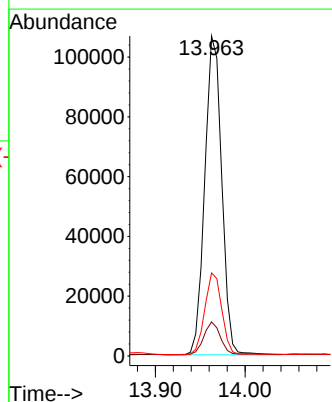
Tgt Ion:240 Resp: 140011

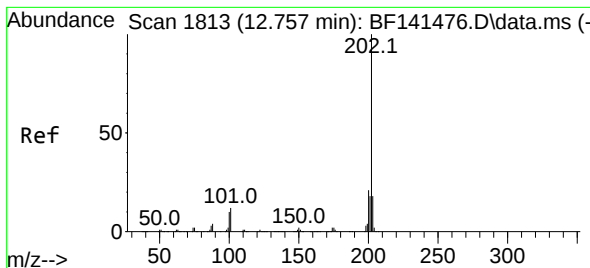
Ion Ratio Lower Upper

240 100

120 10.7 8.0 12.0

236 25.9 19.8 29.8





#78

Pyrene

Concen: 52.364 ng

RT: 12.763 min Scan# 1813

Delta R.T. 0.000 min

Lab File: BF141523.D

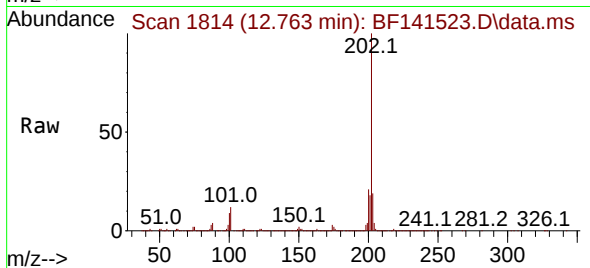
Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925



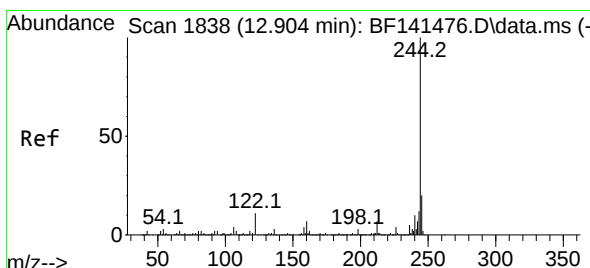
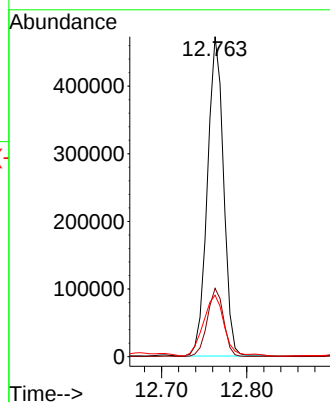
Tgt Ion:202 Resp: 62411

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	19.2	14.3	21.5

Manual Integrations

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



#79

Terphenyl-d14

Concen: 32.758 ng

RT: 12.904 min Scan# 1838

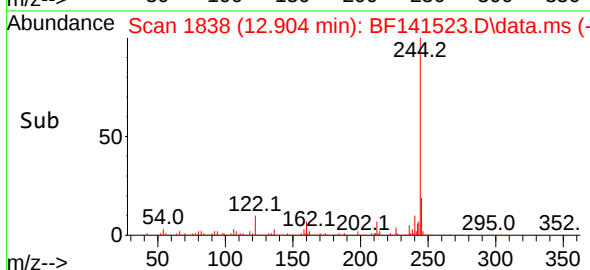
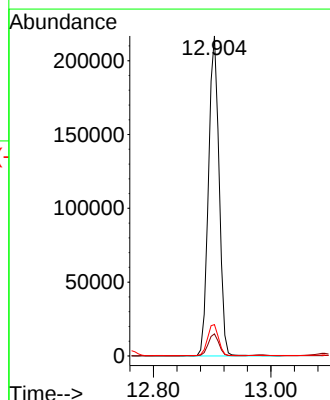
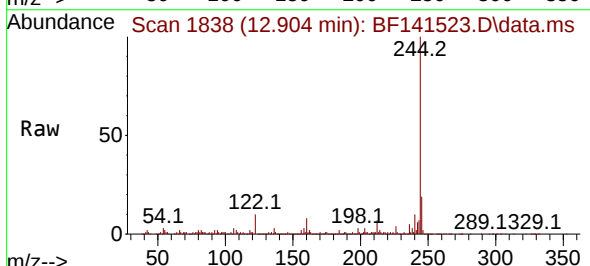
Delta R.T. 0.000 min

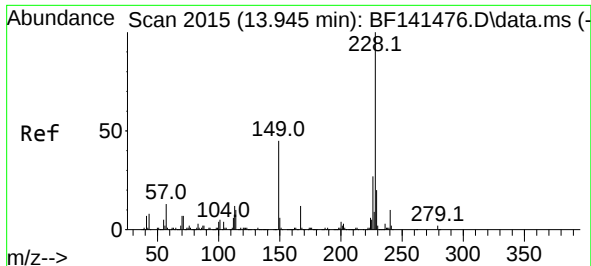
Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Tgt Ion:244 Resp: 271687

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.6	8.4
122	9.8	8.4	12.6





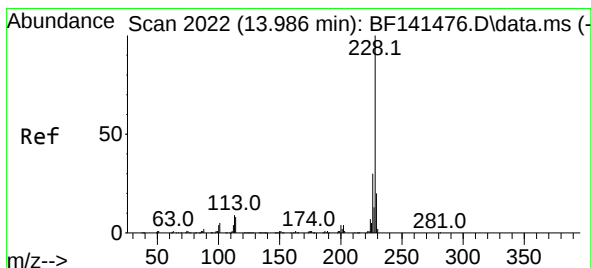
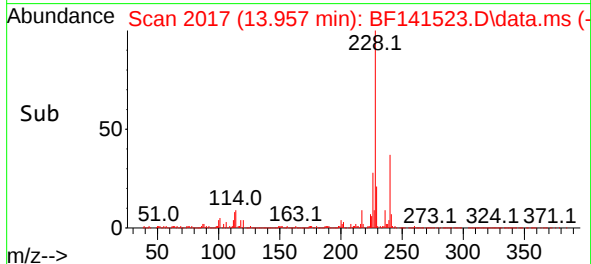
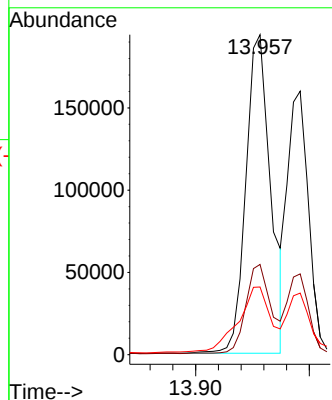
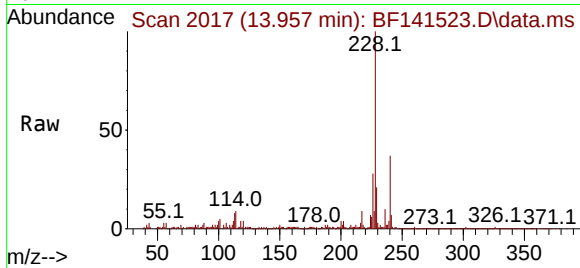
#81
Benzo(a)anthracene
Concen: 31.494 ng
RT: 13.957 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925

Tgt Ion:228 Resp: 293119
Ion Ratio Lower Upper
228 100
226 28.2 21.8 32.8
229 21.2 15.8 23.6

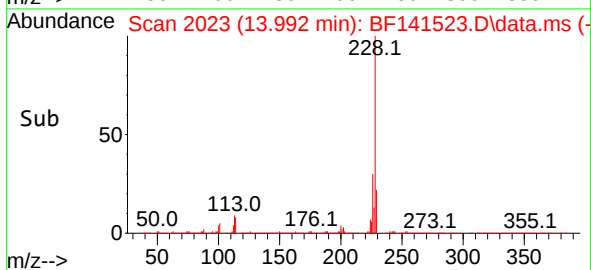
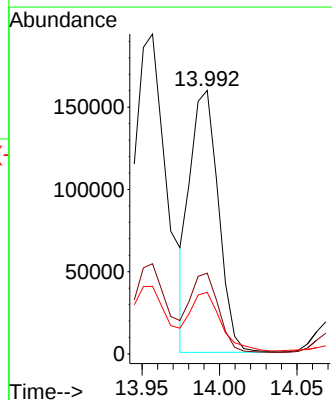
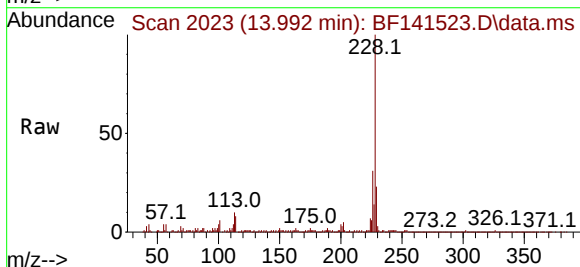
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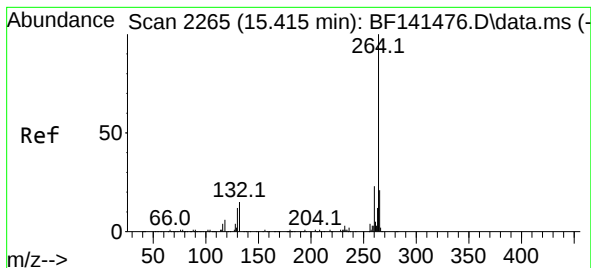
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#83
Chrysene
Concen: 23.662 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Tgt Ion:228 Resp: 203345
Ion Ratio Lower Upper
228 100
226 30.7 24.0 36.0
229 23.4 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.433 min Scan# 2116

Delta R.T. 0.018 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

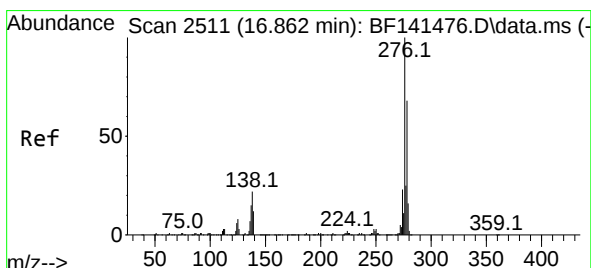
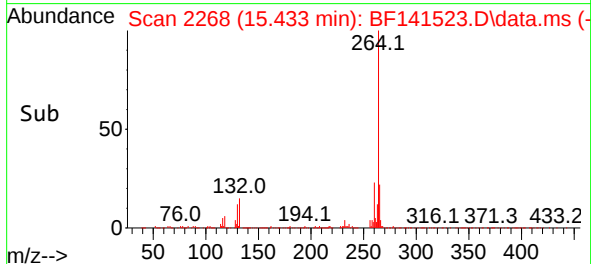
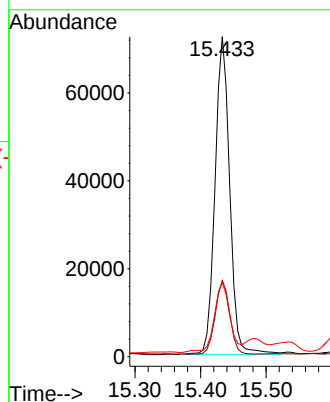
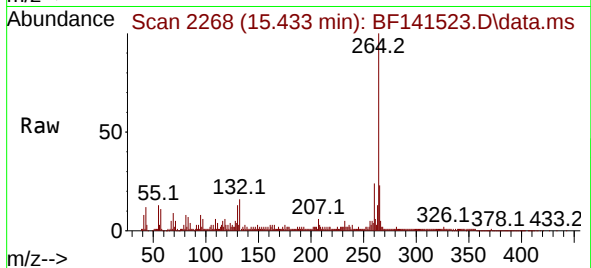
Tgt Ion:264 Resp: 11216

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.6	28.0
265	23.2	17.0	25.4

Manual Integrations

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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: 9.782 ng

RT: 16.880 min Scan# 2514

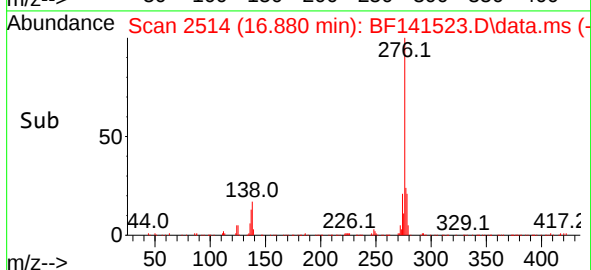
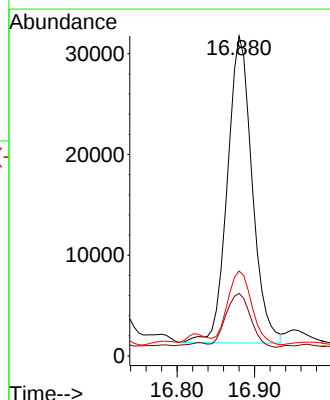
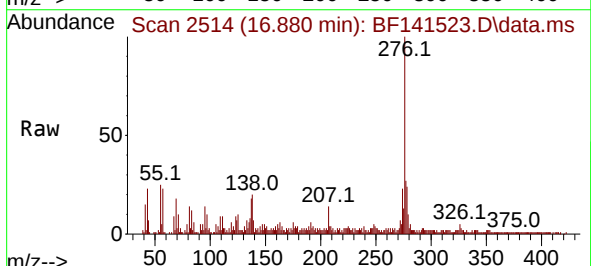
Delta R.T. 0.006 min

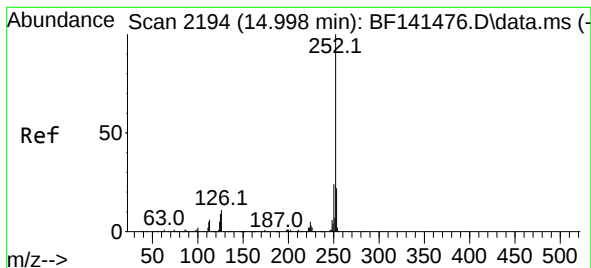
Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Tgt Ion:276 Resp: 67796

Ion	Ratio	Lower	Upper
276	100		
138	17.7	18.0	27.0#
277	23.9	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 27.260 ng m

RT: 15.015 min Scan# 2197

Delta R.T. 0.012 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNF

ClientSampleId :

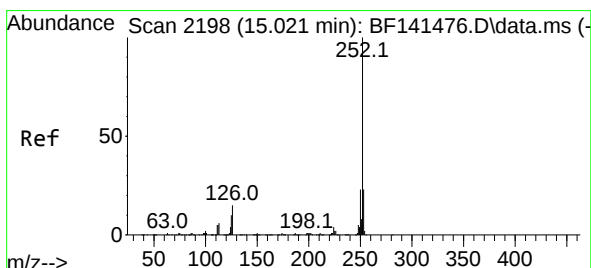
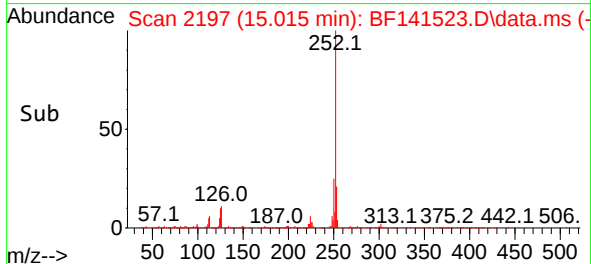
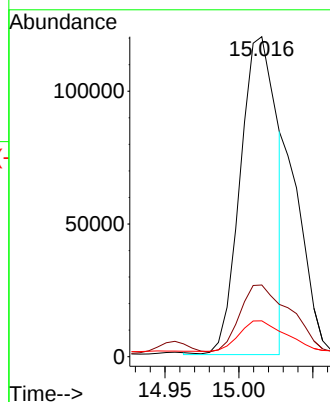
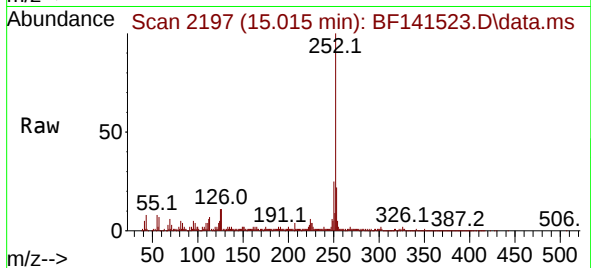
JPP-46.1-012925

Tgt Ion:252 Resp: 205312
 Ion Ratio Lower Upper
 252 100
 253 22.4 17.5 26.3
 125 11.2 7.0 10.6

Manual Integrations

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



#89

Benzo(k)fluoranthene

Concen: 11.493 ng m

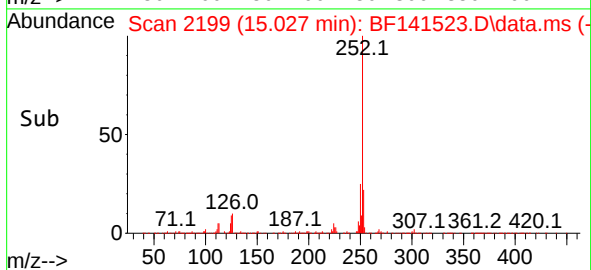
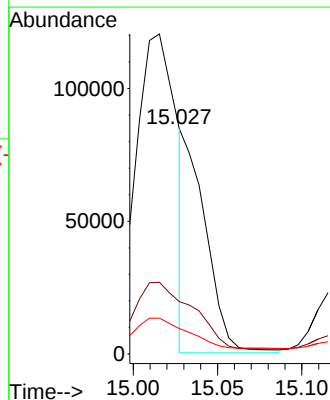
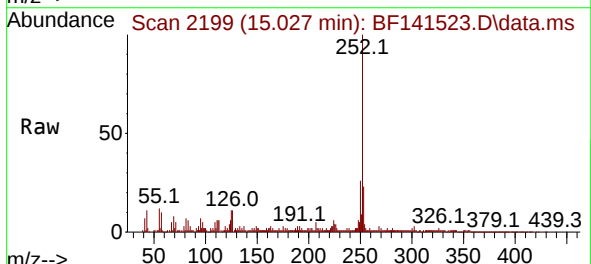
RT: 15.027 min Scan# 2199

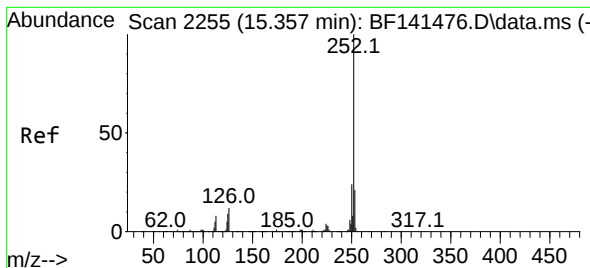
Delta R.T. -0.006 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Tgt Ion:252 Resp: 73916
 Ion Ratio Lower Upper
 252 100
 253 23.2 18.0 27.0
 125 11.3 7.4 11.0





#90

Benzo(a)pyrene

Concen: 24.052 ng

RT: 15.368 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Instrument :

BNA_F

ClientSampleId :

JPP-46.1-012925

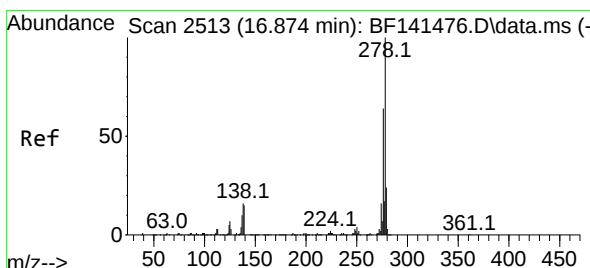
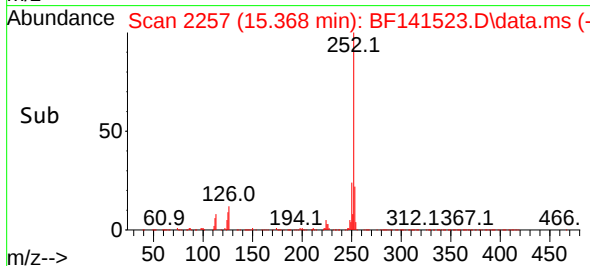
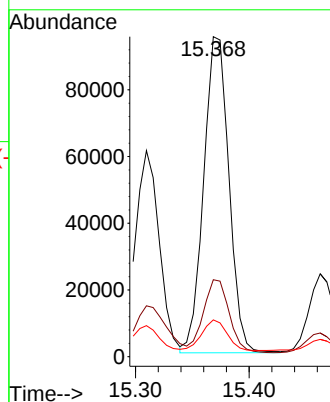
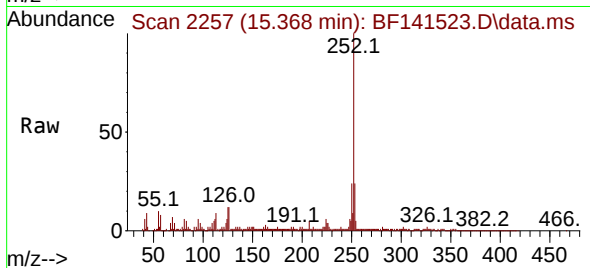
Tgt Ion:252 Resp: 14657

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.1	25.7
125	11.5	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: 3.583 ng

RT: 16.892 min Scan# 2516

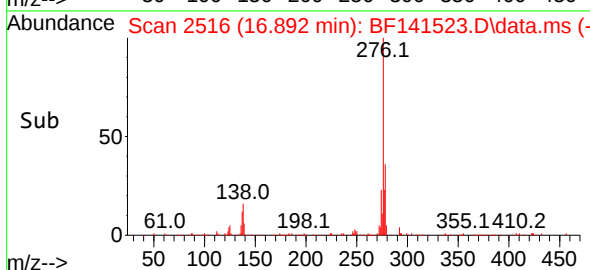
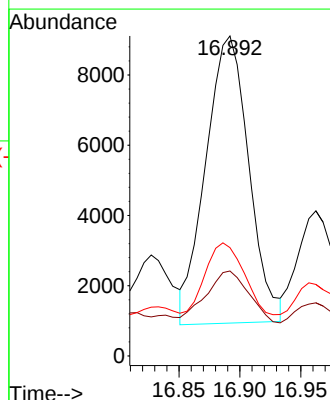
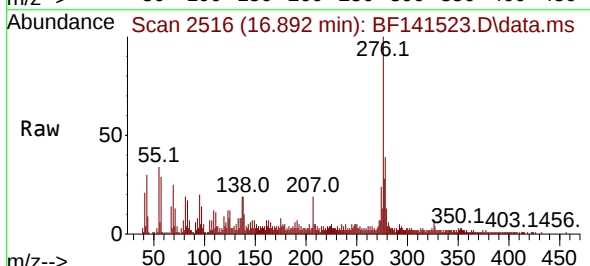
Delta R.T. 0.000 min

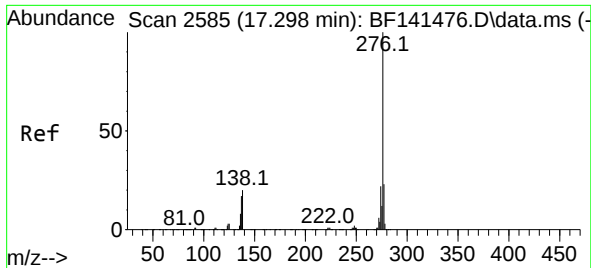
Lab File: BF141523.D

Acq: 07 Feb 2025 22:07

Tgt Ion:278 Resp: 20121

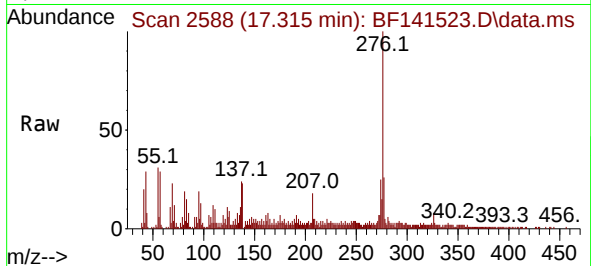
Ion	Ratio	Lower	Upper
278	100		
139	26.6	11.8	17.6#
279	33.9	19.1	28.7#





#92
Benzo(g,h,i)perylene
Concen: 10.730 ng
RT: 17.315 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141523.D
Acq: 07 Feb 2025 22:07

Instrument :
BNA_F
ClientSampleId :
JPP-46.1-012925



Tgt Ion:276 Resp: 6305
Ion Ratio Lower Upper
276 100
277 25.8 18.6 28.0
138 23.1 15.9 23.9

Manual Integrations
APPROVED

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

