

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
 Data File : BF141528.D
 Acq On : 08 Feb 2025 00:20
 Operator : RC/JU
 Sample : Q1232-19 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.1-012925

Manual Integrations
 APPROVED

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

Quant Time: Feb 08 01:27:10 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	82126	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	311011	20.000	ng	0.00
39) Acenaphthene-d10	9.827	164	153227	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	233464	20.000	ng	0.00
76) Chrysene-d12	13.974	240	136681	20.000	ng	0.01
86) Perylene-d12	15.457	264	111370	20.000	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	234259	44.719	ng	0.00
7) Phenol-d6	6.428	99	283316	42.790	ng	-0.01
23) Nitrobenzene-d5	7.351	82	171869	28.823	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	56100	36.447	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	342232	34.410	ng	0.00
79) Terphenyl-d14	12.904	244	304413	37.599	ng	0.00
Target Compounds						Qvalue
49) Acenaphthylene	9.692	152	33461	2.561	ng	95
52) Acenaphthene	9.863	154	57055	6.495	ng	98
55) Dibenzofuran	10.033	168	38231	2.965	ng	# 98
58) Fluorene	10.374	166	48924	4.908	ng	96
71) Phenanthrene	11.345	178	730437	56.838	ng	100
72) Anthracene	11.392	178	202523	15.677	ng	99
73) Carbazole	11.551	167	43004	3.700	ng	98
75) Fluoranthene	12.539	202	954736	70.074	ng	100
78) Pyrene	12.768	202	903665	77.666	ng	99
81) Benzo(a)anthracene	13.962	228	414536	45.625	ng	95
83) Chrysene	13.998	228	321384	38.309	ng	98
84) Bis(2-ethylhexyl)phtha...	13.951	149	18336	4.034	ng	# 94
87) Indeno(1,2,3-cd)pyrene	16.903	276	118135	17.167	ng	96
88) Benzo(b)fluoranthene	15.033	252	311281m	41.626	ng	
89) Benzo(k)fluoranthene	15.045	252	134509m	21.065	ng	
90) Benzo(a)pyrene	15.392	252	246927	40.808	ng	96
91) Dibenzo(a,h)anthracene	16.915	278	34039	6.105	ng	# 86
92) Benzo(g,h,i)perylene	17.345	276	115761	19.839	ng	97

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

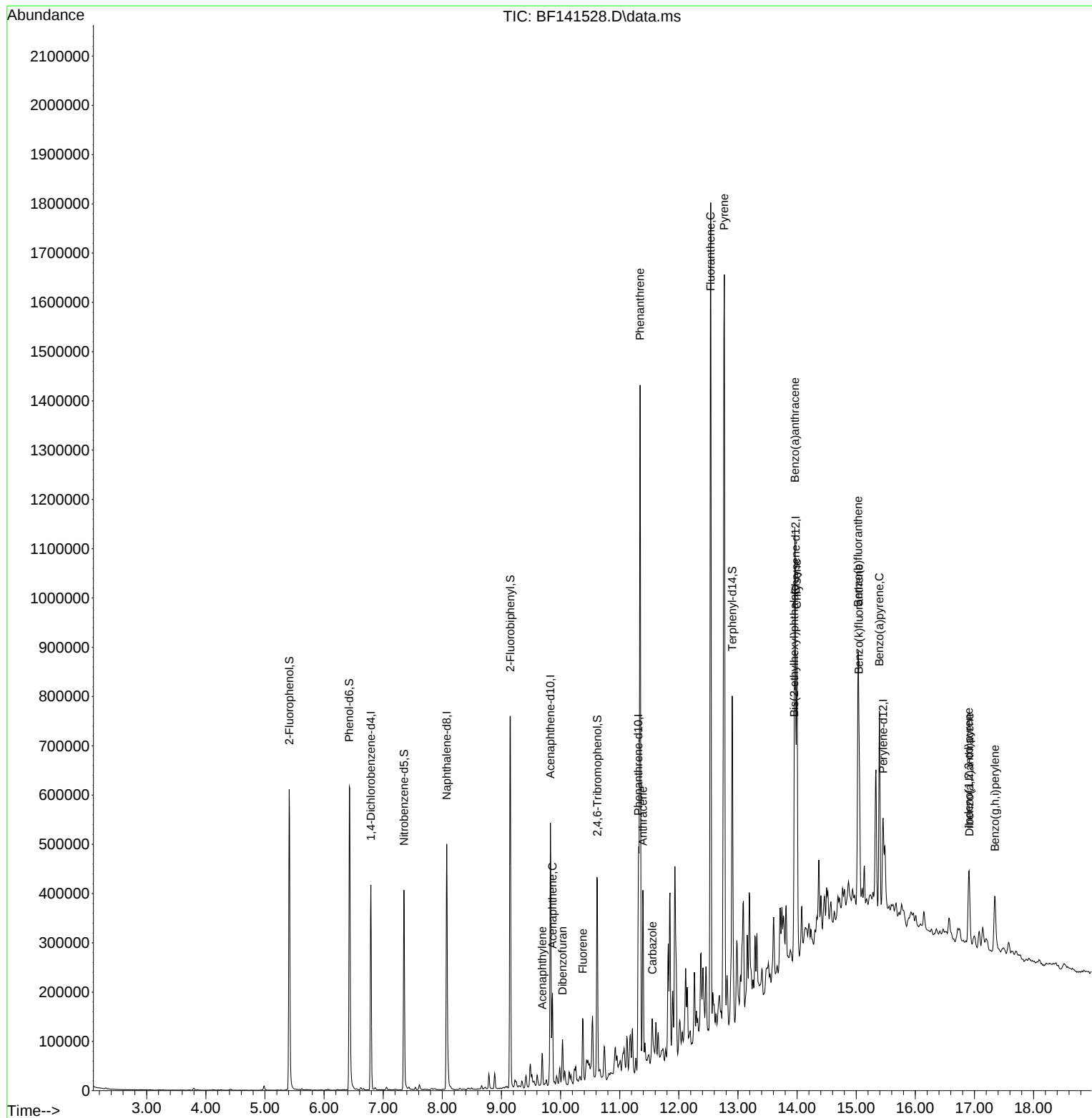
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020725\
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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APPROVED

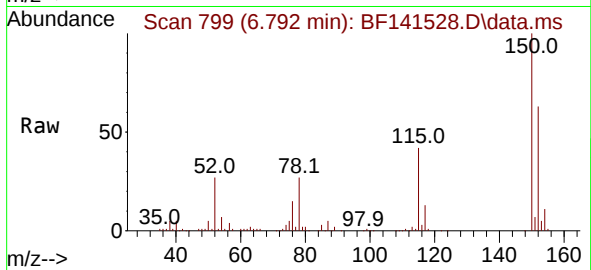
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 798
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

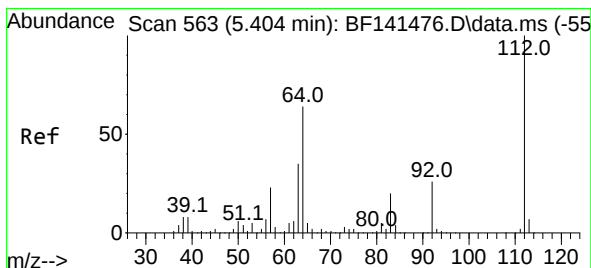
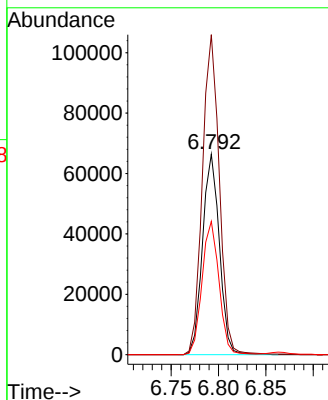
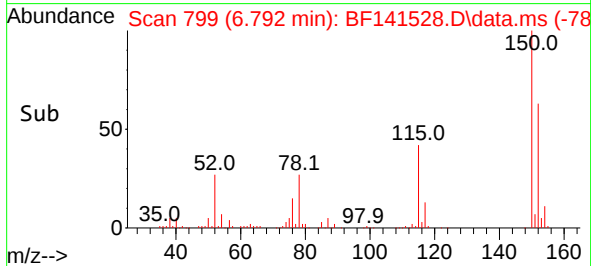
Instrument :
BNA_F
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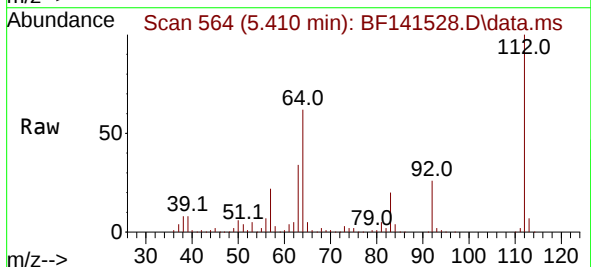
Tgt Ion:152 Resp: 82120
Ion Ratio Lower Upper
152 100
150 159.6 125.0 187.4
115 66.4 53.6 80.4

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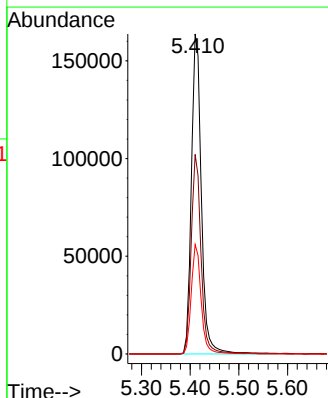
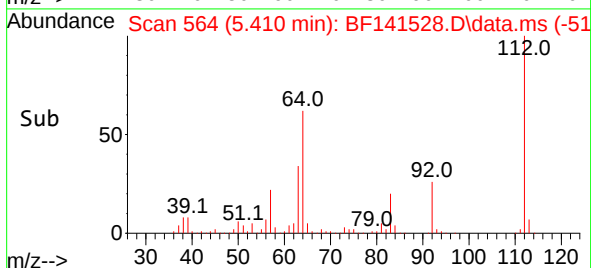
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#5
2-Fluorophenol
Concen: 44.719 ng
RT: 5.410 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20



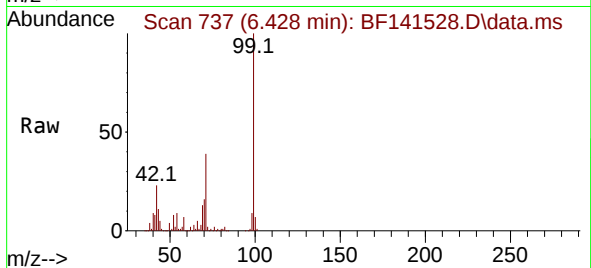
Tgt Ion:112 Resp: 234259
Ion Ratio Lower Upper
112 100
64 62.3 51.1 76.7
63 34.2 28.4 42.6





#7
Phenol-d6
Concen: 42.790 ng
RT: 6.428 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

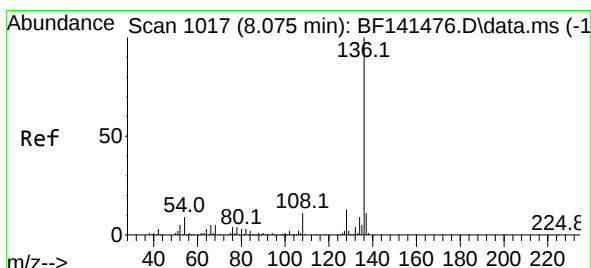
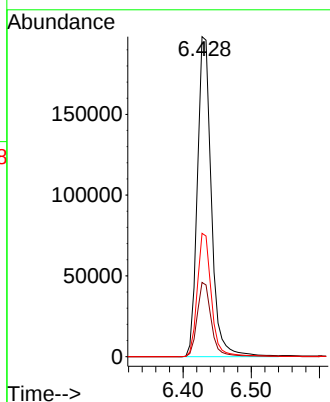
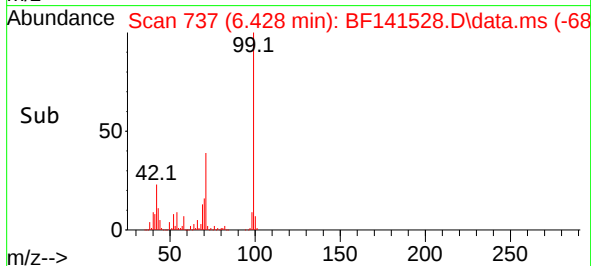
Instrument :
BNA_F
ClientSampleId :
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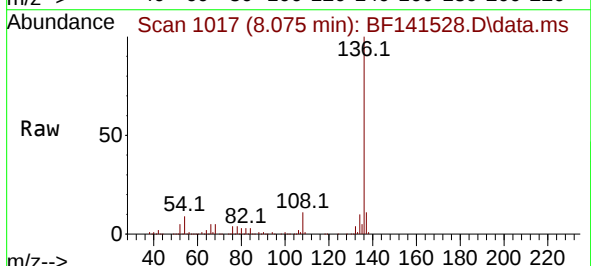
Tgt Ion: 99 Resp: 283310
Ion Ratio Lower Upper
99 100
42 23.2 19.1 28.7
71 38.6 31.1 46.7

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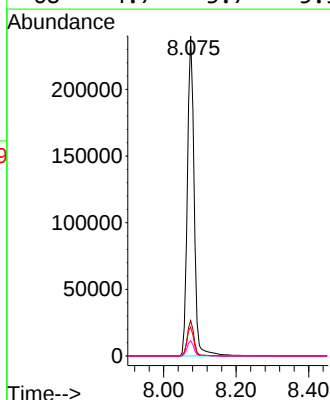
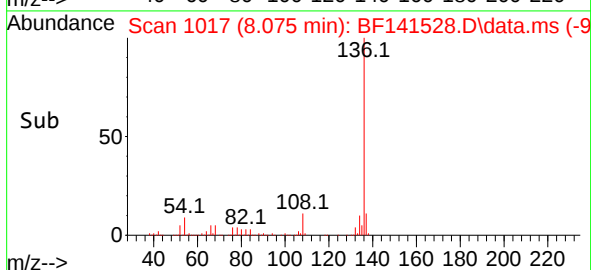
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20



Tgt Ion:136 Resp: 311011
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 9.1 7.2 10.8
68 4.7 3.7 5.5





#23

Nitrobenzene-d5

Concen: 28.823 ng

RT: 7.351 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

Tgt Ion: 82 Resp: 171869

Ion Ratio Lower Upper

82 100

128 42.2 34.8 52.2

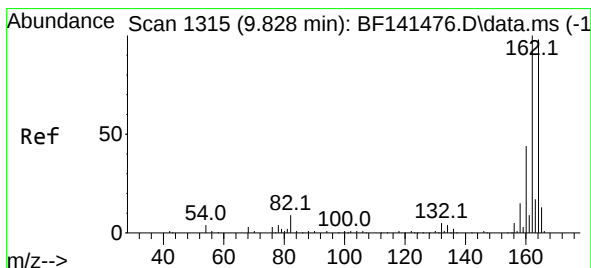
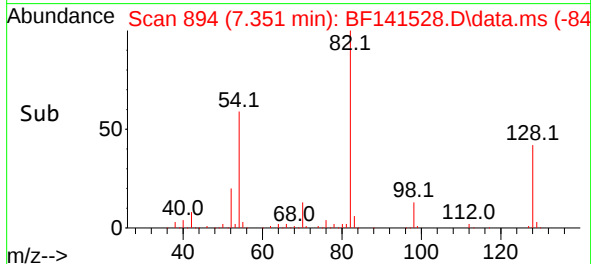
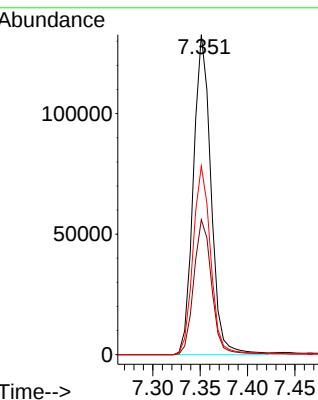
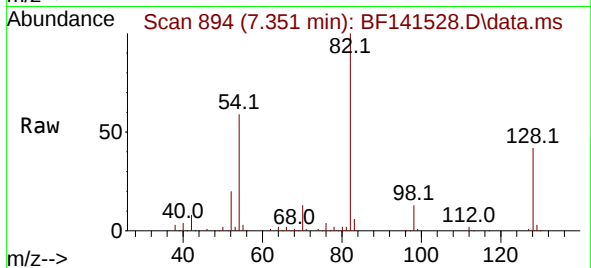
54 58.9 48.2 72.4

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.827 min Scan# 1315

Delta R.T. -0.006 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

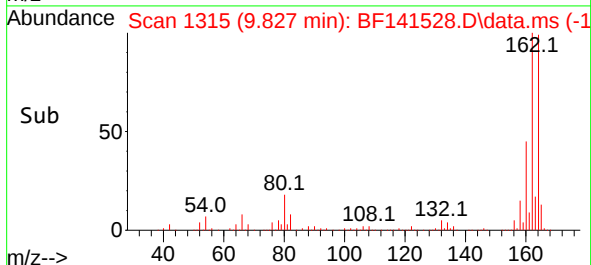
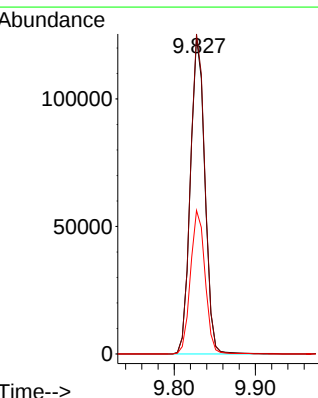
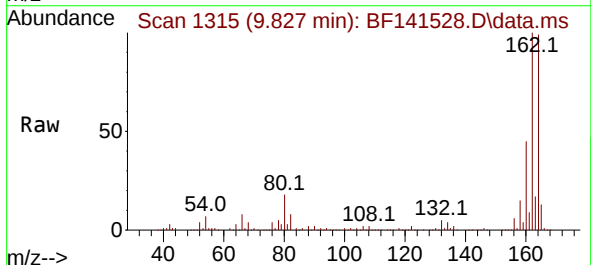
Tgt Ion:164 Resp: 153227

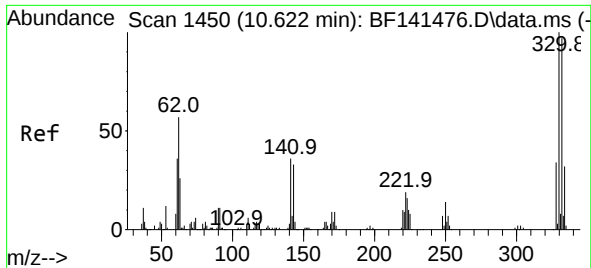
Ion Ratio Lower Upper

164 100

162 101.1 81.3 121.9

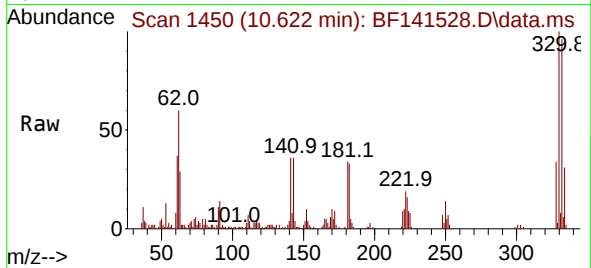
160 45.4 35.9 53.9





#42
2,4,6-Tribromophenol
Concen: 36.447 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

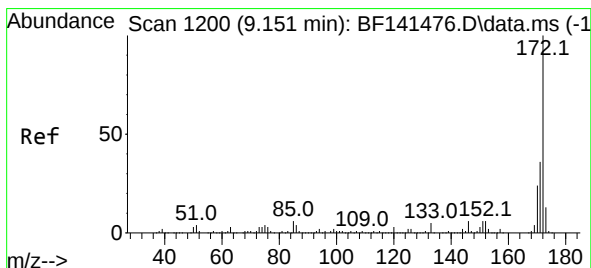
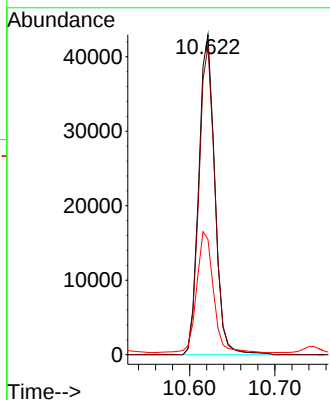
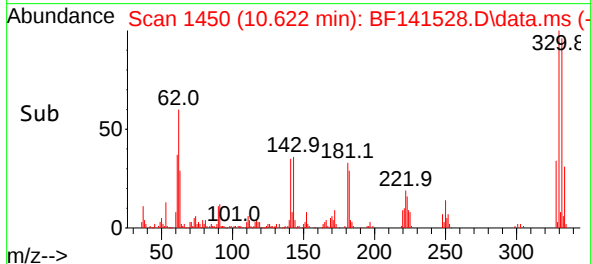
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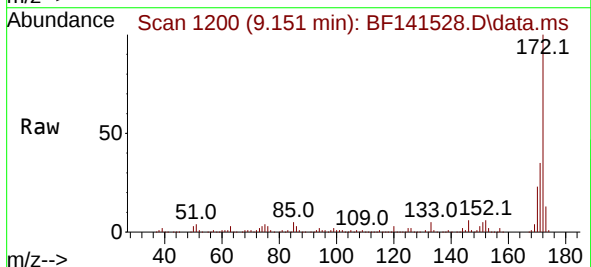
Tgt Ion: 330 Resp: 56100
Ion Ratio Lower Upper
330 100
332 96.7 78.5 117.7
141 39.6 31.0 46.4

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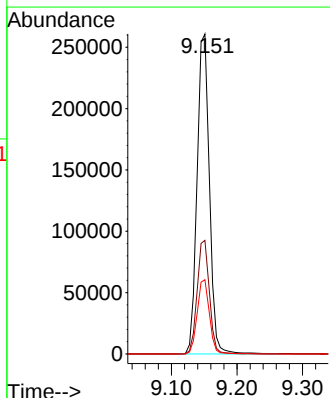
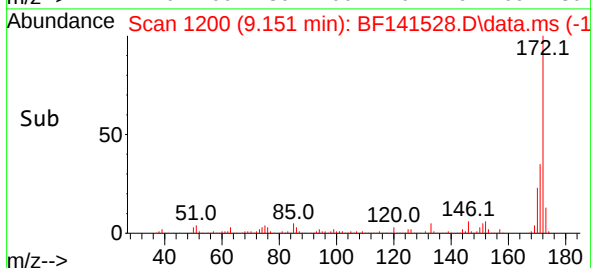
Reviewed By :Anahy Claudio 02/10/2025
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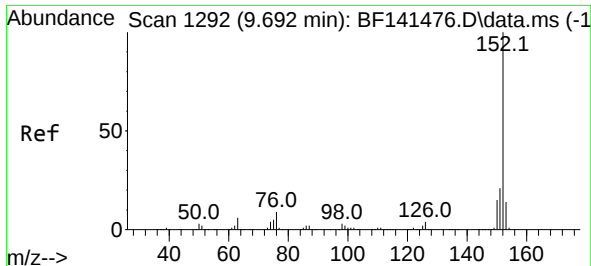


#45
2-Fluorobiphenyl
Concen: 34.410 ng
RT: 9.151 min Scan# 1200
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20



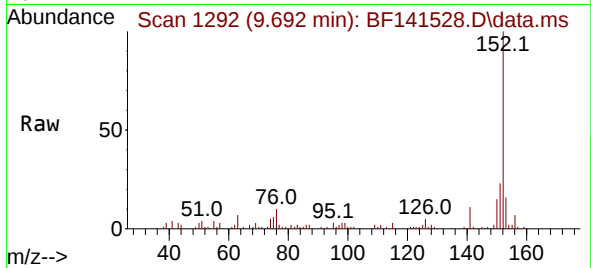
Tgt Ion: 172 Resp: 342232
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.2 18.9 28.3





#49
Acenaphthylene
Concen: 2.561 ng
RT: 9.692 min Scan# 1292
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

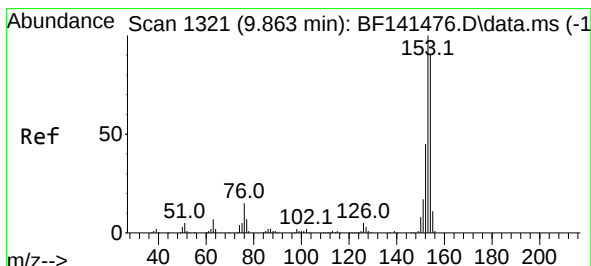
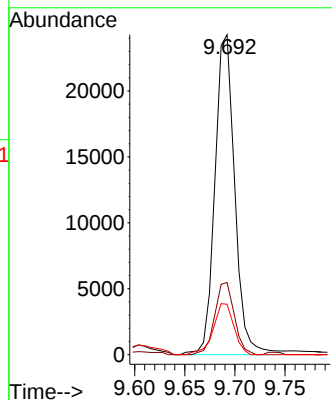
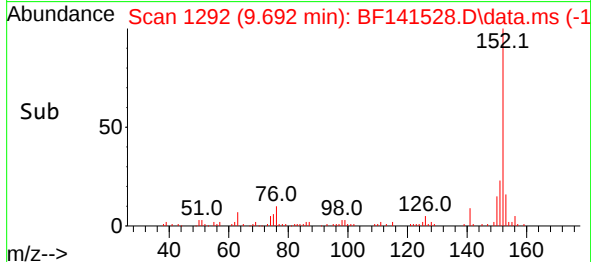
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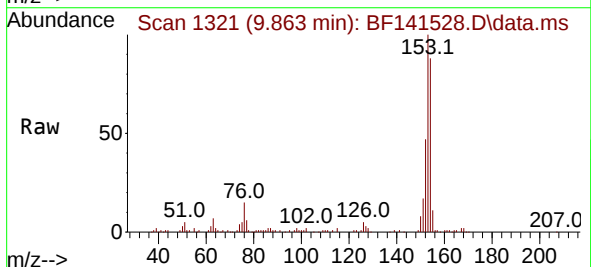
Tgt Ion:152 Resp: 3346
Ion Ratio Lower Upper
152 100
151 22.6 16.4 24.6
153 15.8 10.9 16.3

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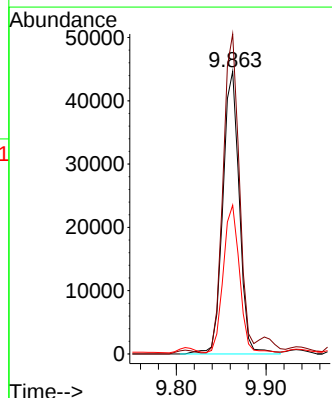
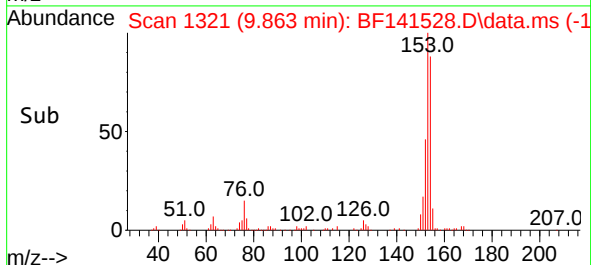
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

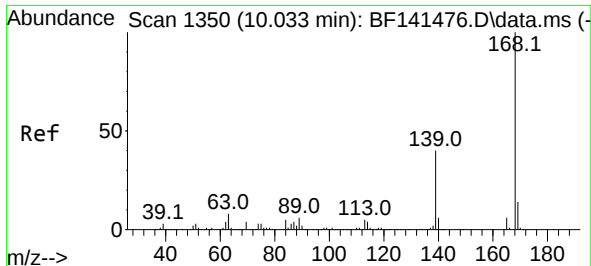


#52
Acenaphthene
Concen: 6.495 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20



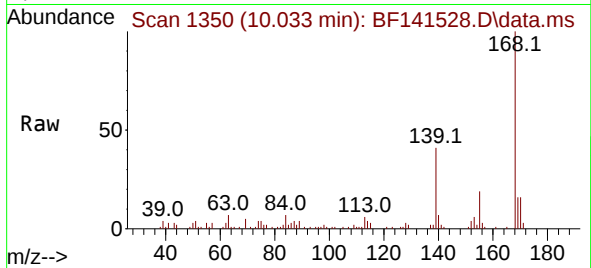
Tgt Ion:154 Resp: 57055
Ion Ratio Lower Upper
154 100
153 113.3 89.2 133.8
152 52.7 39.8 59.8





#55
Dibenzenofuran
Concen: 2.965 ng
RT: 10.033 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

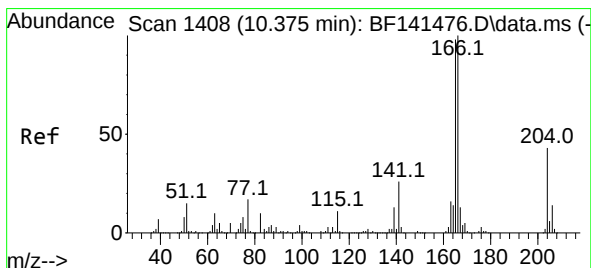
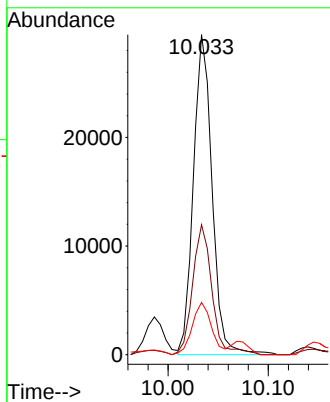
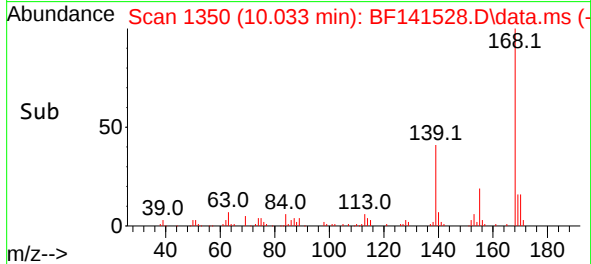
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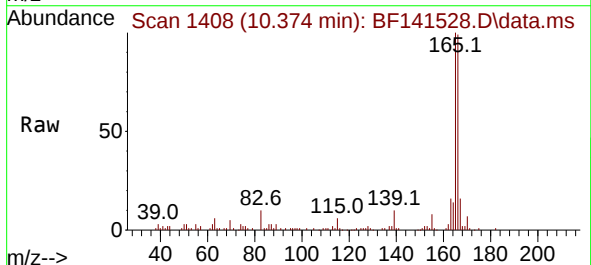
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Ion Ratio Lower Upper
168 100
139 40.6 32.7 49.1
169 16.4 10.8 16.2

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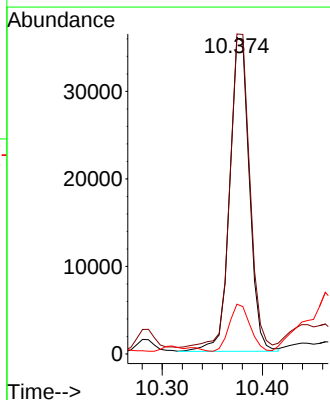
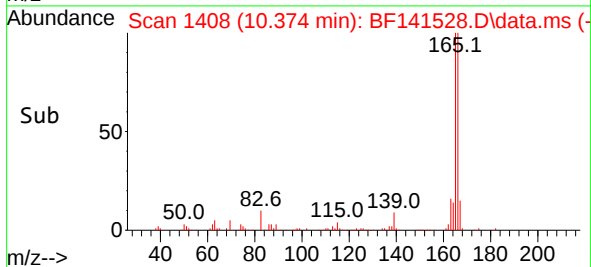
Reviewed By :Anahy Claudio 02/10/2025
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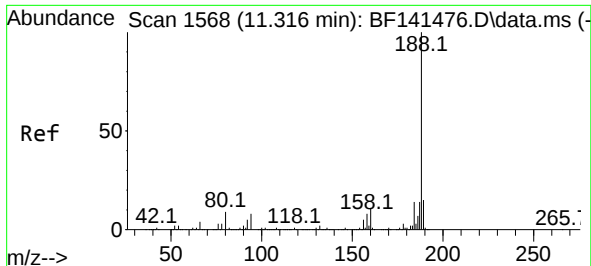


#58
Fluorene
Concen: 4.908 ng
RT: 10.374 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20



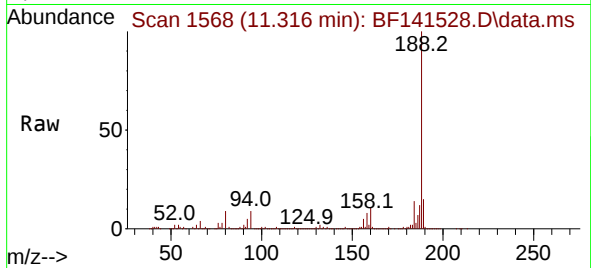
Tgt Ion:166 Resp: 48924
Ion Ratio Lower Upper
166 100
165 101.1 78.2 117.2
167 15.7 10.7 16.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 11528
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

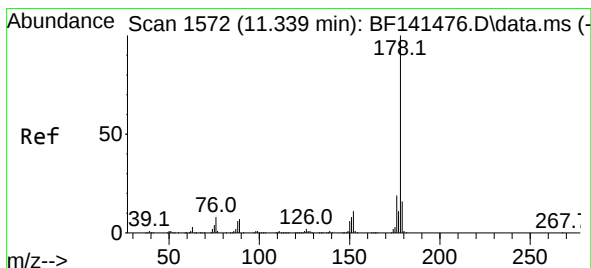
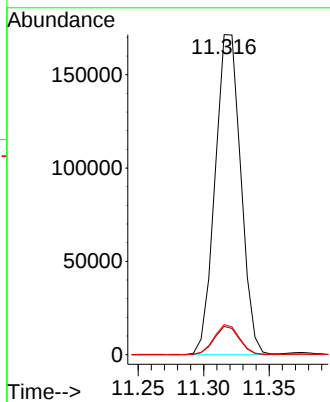
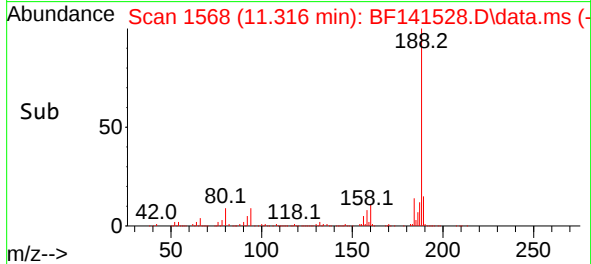
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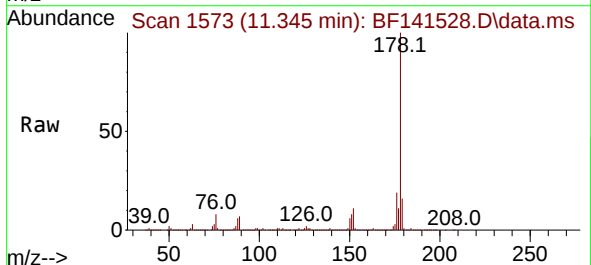
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Ion Ratio Lower Upper
188 100
94 8.9 6.6 10.0
80 9.4 7.3 10.9

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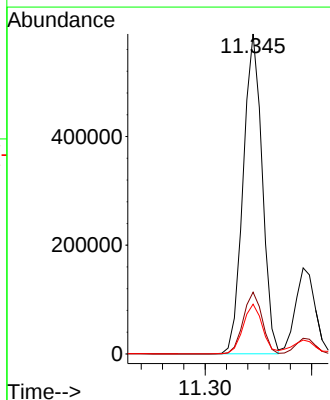
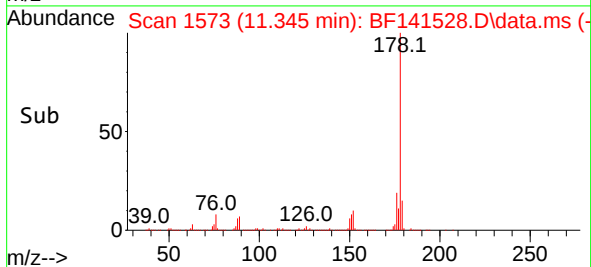
Reviewed By :Anahy Claudio 02/10/2025
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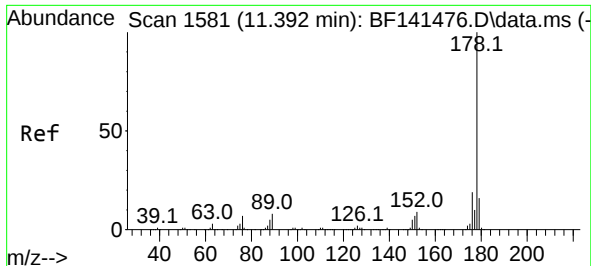


#71
Phenanthrene
Concen: 56.838 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20



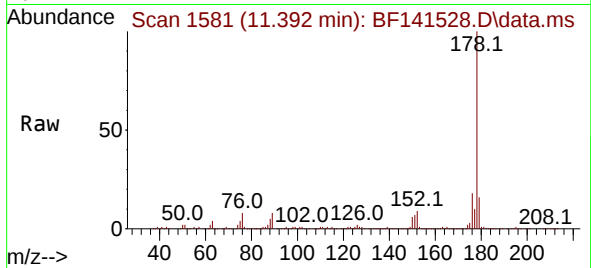
Tgt Ion:178 Resp: 730437
Ion Ratio Lower Upper
178 100
176 19.3 15.4 23.0
179 15.5 12.4 18.6





#72
 Anthracene
 Concen: 15.677 ng
 RT: 11.392 min Scan# 1581
 Delta R.T. -0.006 min
 Lab File: BF141528.D
 Acq: 08 Feb 2025 00:20

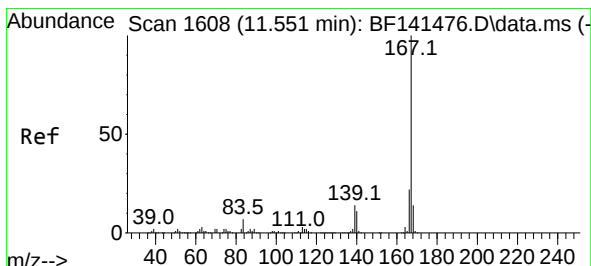
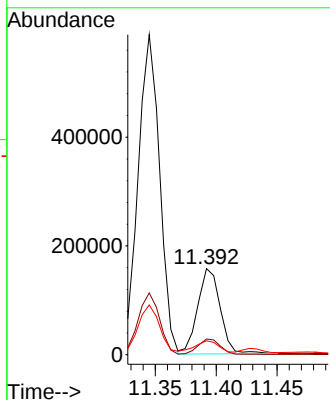
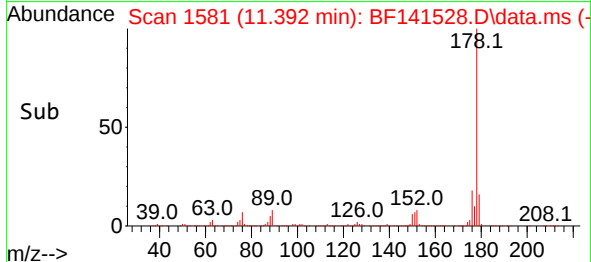
Instrument :
 BNA_F
 ClientSampleId :
 JPP-51.1-012925



Tgt Ion:178 Resp: 20252
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.8 22.2
 179 16.1 12.4 18.6

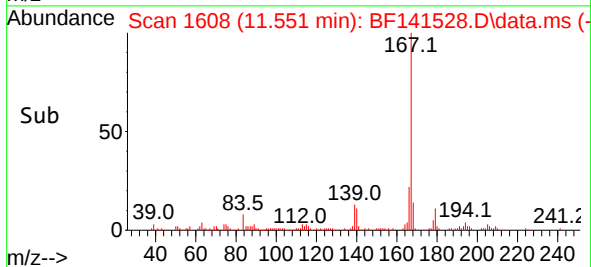
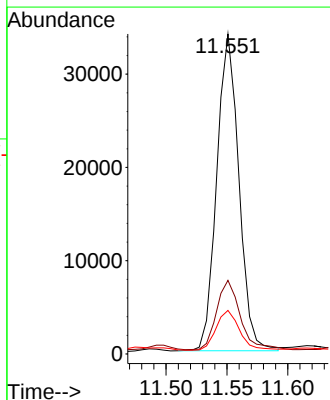
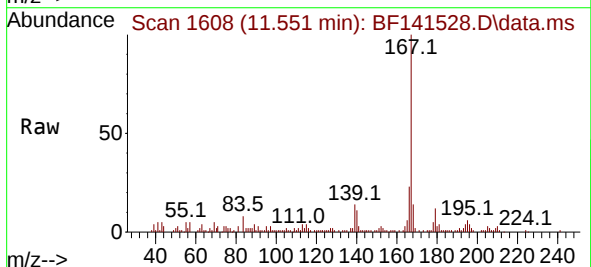
Manual Integrations
 APPROVED

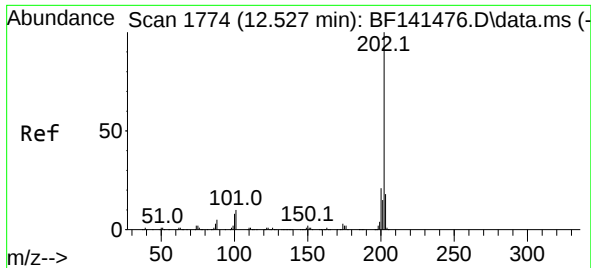
Reviewed By :Anahy Claudio 02/10/2025
 Supervised By :mohammad ahmed 02/12/2025



#73
 Carbazole
 Concen: 3.700 ng
 RT: 11.551 min Scan# 1608
 Delta R.T. 0.000 min
 Lab File: BF141528.D
 Acq: 08 Feb 2025 00:20

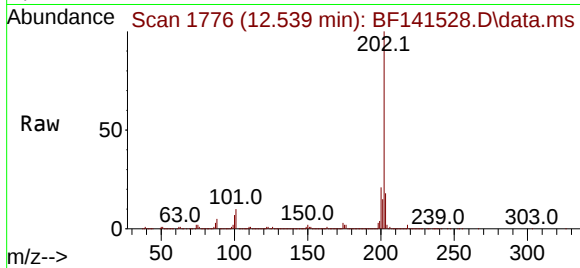
Tgt Ion:167 Resp: 43004
 Ion Ratio Lower Upper
 167 100
 166 23.0 17.4 26.2
 139 13.6 10.9 16.3





#75
Fluoranthene
Concen: 70.074 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

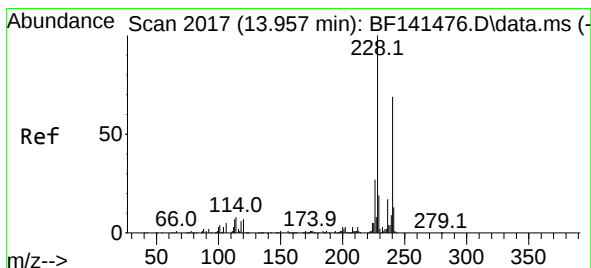
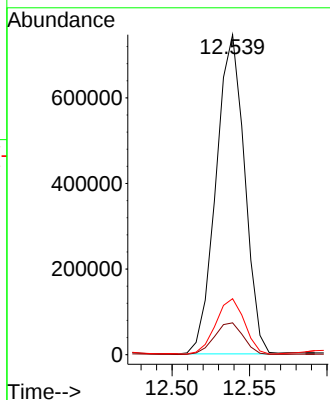
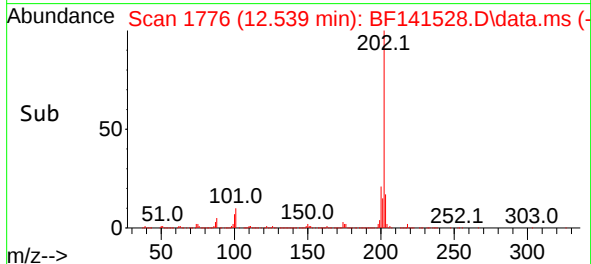
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925



Tgt Ion:202 Resp: 954730
Ion Ratio Lower Upper
202 100
101 10.0 0.0 30.2
203 17.5 0.0 37.6

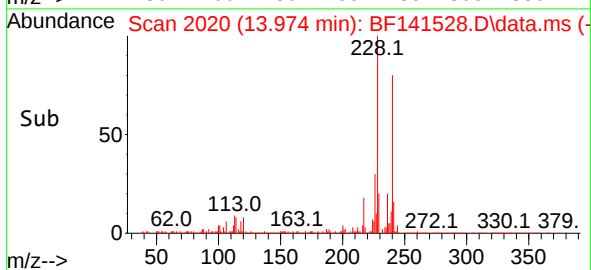
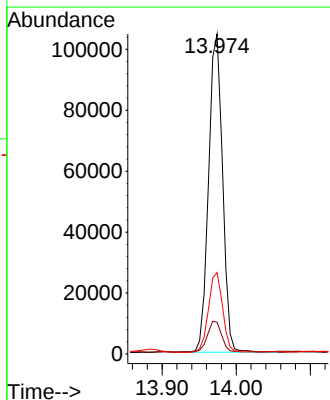
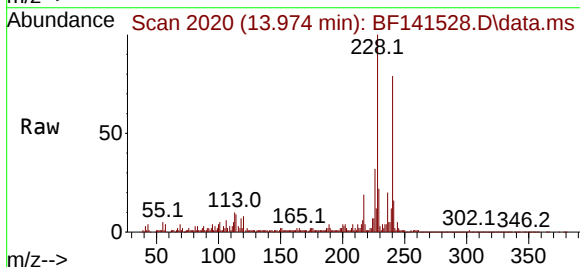
Manual Integrations
APPROVED

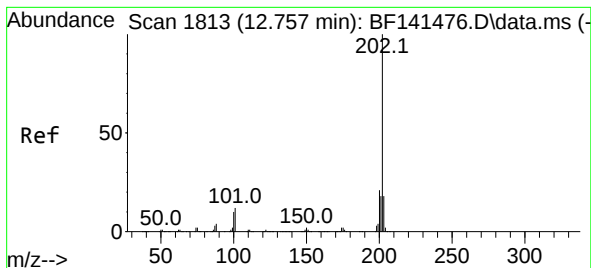
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.012 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:240 Resp: 136681
Ion Ratio Lower Upper
240 100
120 9.9 8.0 12.0
236 25.5 19.8 29.8





#78

Pyrene

Concen: 77.666 ng

RT: 12.768 min Scan# 1815

Delta R.T. 0.006 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

Tgt Ion:202 Resp: 90366

Ion Ratio Lower Upper

202 100

200 21.3 17.0 25.4

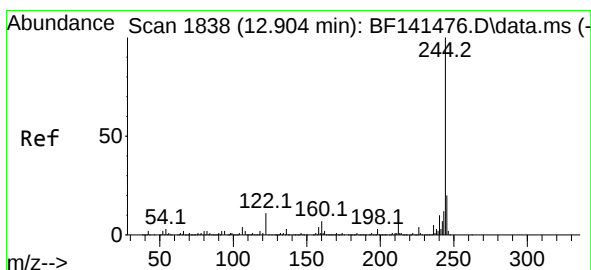
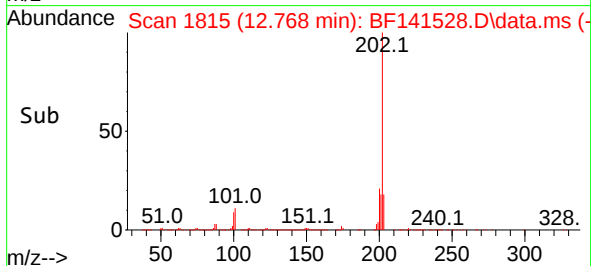
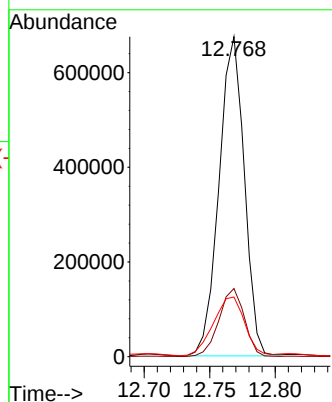
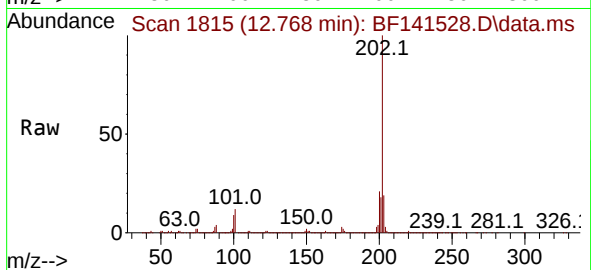
203 18.6 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#79

Terphenyl-d14

Concen: 37.599 ng

RT: 12.904 min Scan# 1838

Delta R.T. 0.000 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

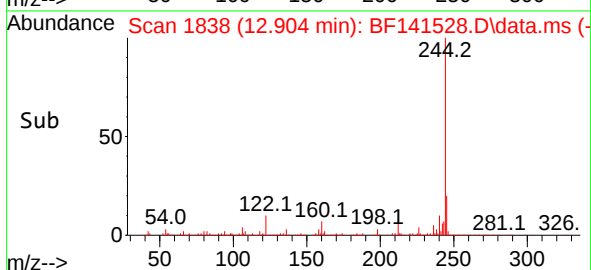
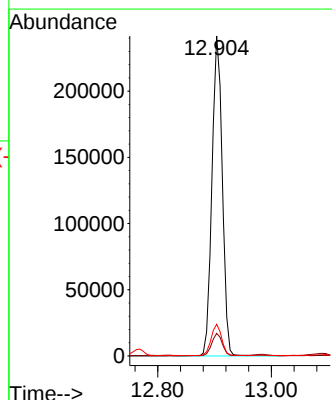
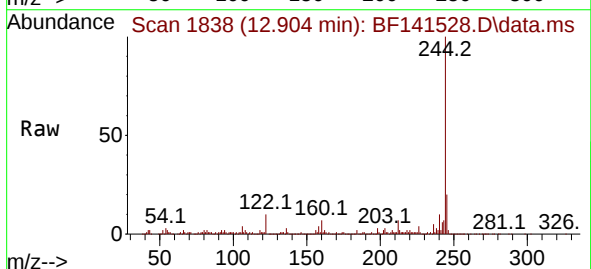
Tgt Ion:244 Resp: 304413

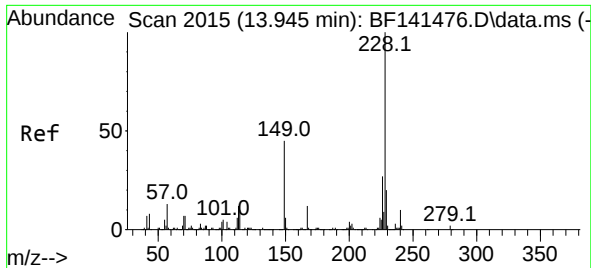
Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

122 9.9 8.4 12.6





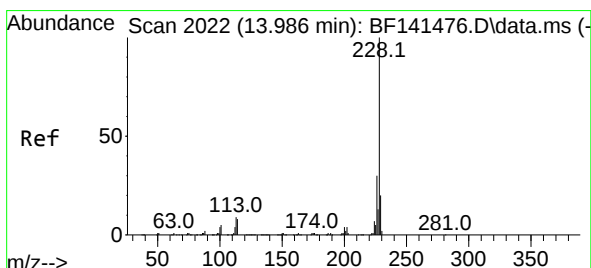
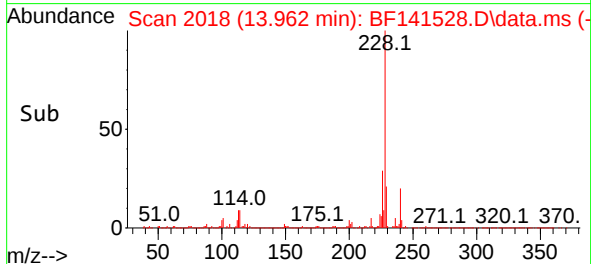
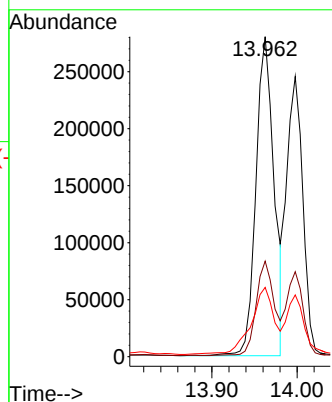
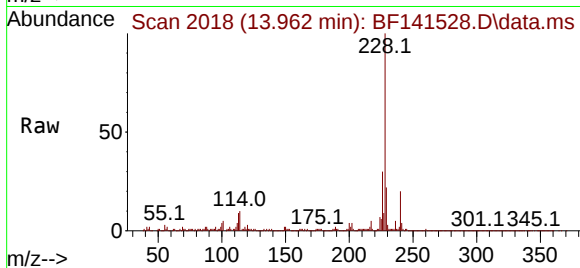
#81
Benzo(a)anthracene
Concen: 45.625 ng
RT: 13.962 min Scan# 2015
Delta R.T. 0.012 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

Tgt Ion:228 Resp: 414530
Ion Ratio Lower Upper
228 100
226 29.8 21.8 32.8
229 21.7 15.8 23.6

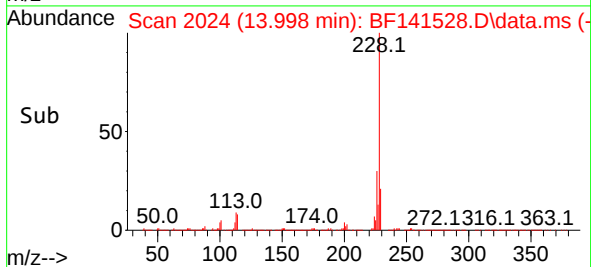
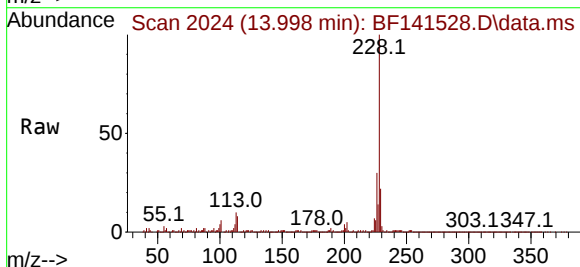
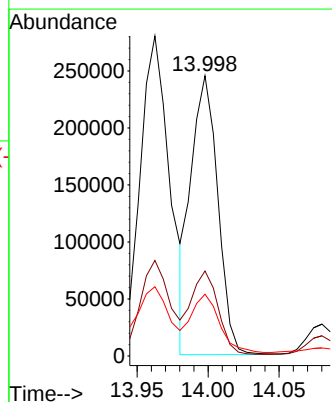
Manual Integrations
APPROVED

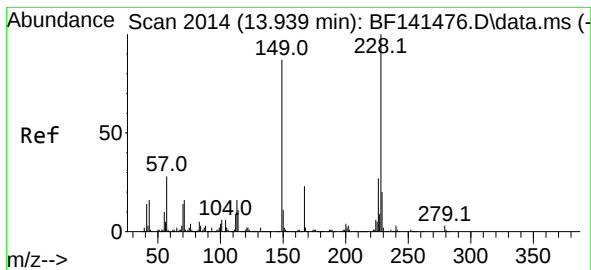
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#83
Chrysene
Concen: 38.309 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.006 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:228 Resp: 321384
Ion Ratio Lower Upper
228 100
226 30.3 24.0 36.0
229 22.0 15.7 23.5





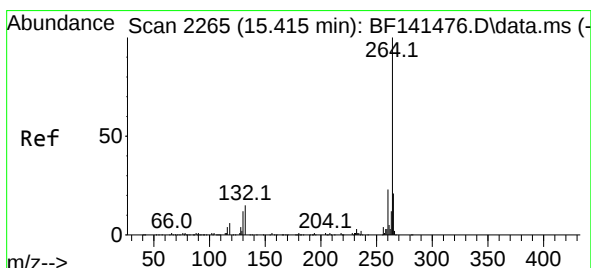
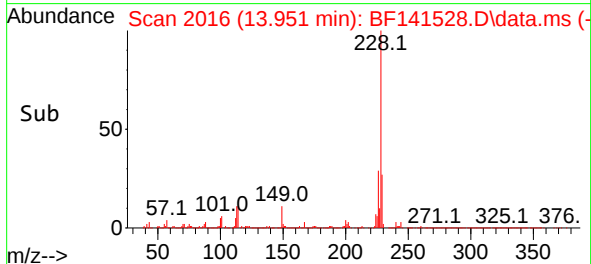
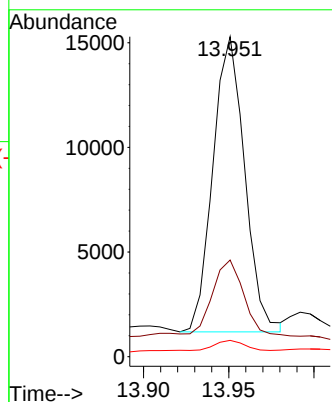
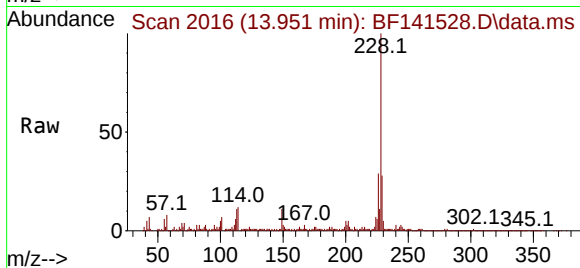
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.034 ng
RT: 13.951 min Scan# 2014
Delta R.T. 0.012 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

Tgt Ion:149 Resp: 18330
Ion Ratio Lower Upper
149 100
167 30.2 21.4 32.0
279 5.1 3.1 4.7

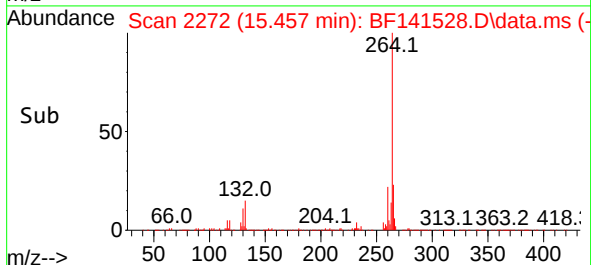
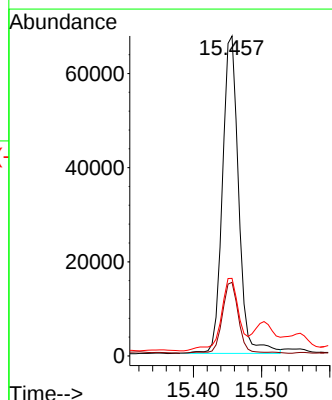
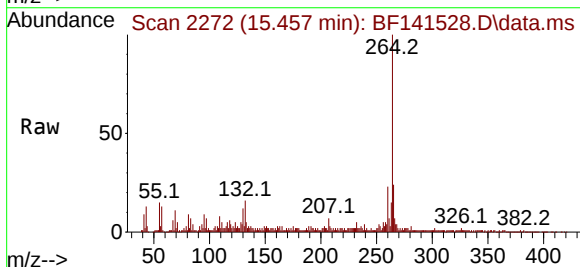
Manual Integrations
APPROVED

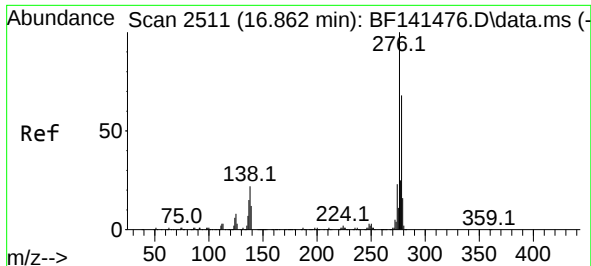
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.041 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Tgt Ion:264 Resp: 111370
Ion Ratio Lower Upper
264 100
260 23.0 18.6 28.0
265 24.3 17.0 25.4





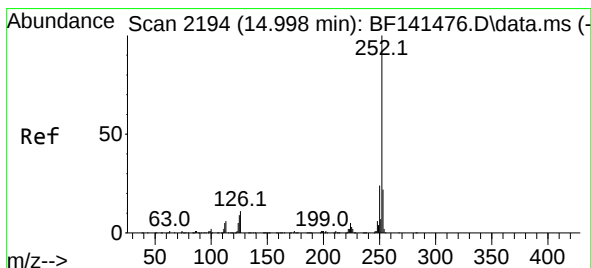
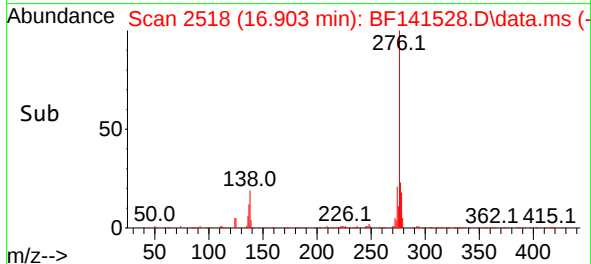
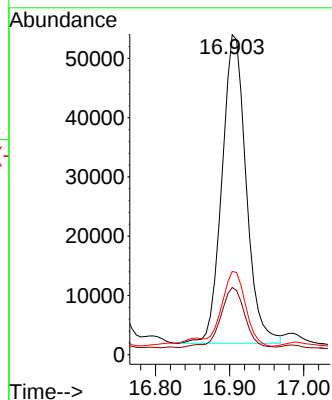
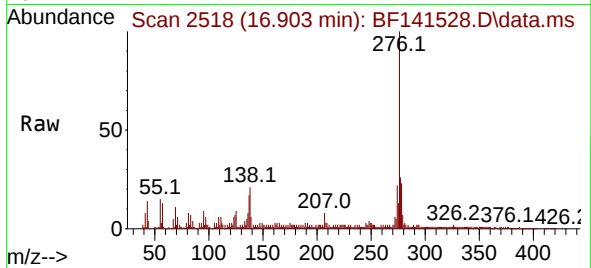
#87
Indeno(1,2,3-cd)pyrene
Concen: 17.167 ng
RT: 16.903 min Scan# 2118
Delta R.T. 0.029 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925

Tgt Ion: 276 Resp: 11813
Ion Ratio Lower Upper
276 100
138 19.6 18.0 27.0
277 24.1 20.4 30.6

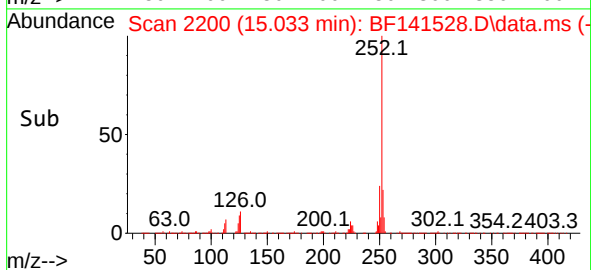
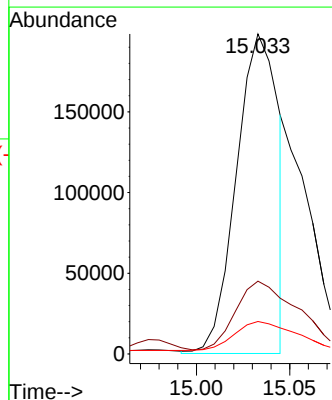
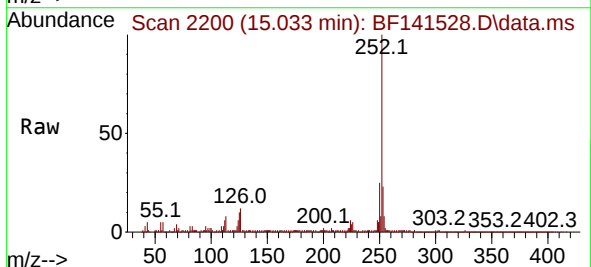
Manual Integrations
APPROVED

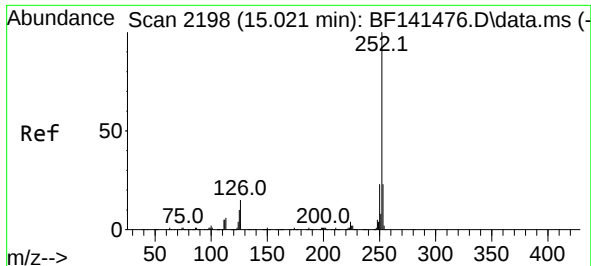
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025



#88
Benzo(b)fluoranthene
Concen: 41.626 ng m
RT: 15.033 min Scan# 2200
Delta R.T. 0.029 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

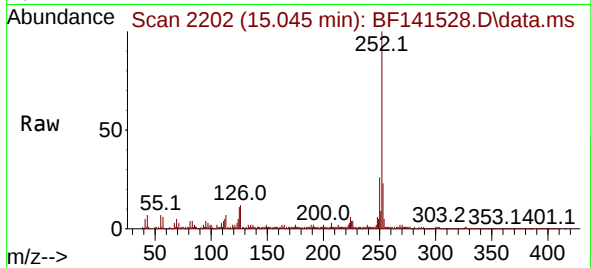
Tgt Ion: 252 Resp: 311281
Ion Ratio Lower Upper
252 100
253 22.7 17.5 26.3
125 10.1 7.0 10.6





#89
Benzo(k)fluoranthene
Concen: 21.065 ng m
RT: 15.045 min Scan# 2198
Delta R.T. 0.012 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20

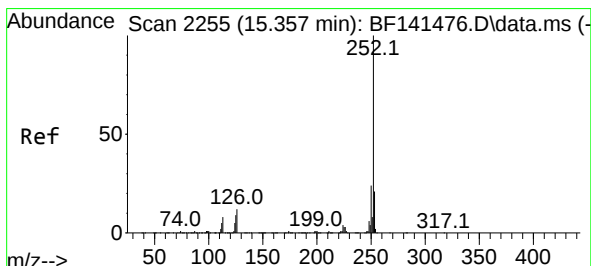
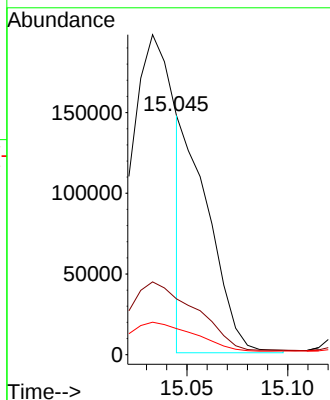
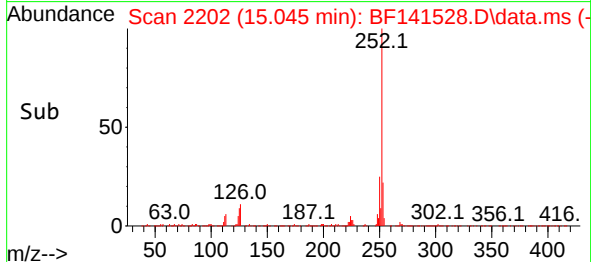
Instrument :
BNA_F
ClientSampleId :
JPP-51.1-012925



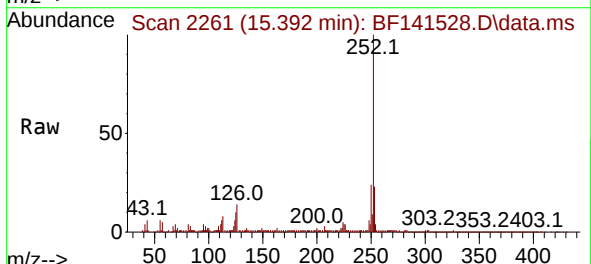
Tgt Ion:252 Resp: 134509
Ion Ratio Lower Upper
252 100
253 23.4 18.0 27.0
125 10.9 7.4 11.0

Manual Integrations
APPROVED

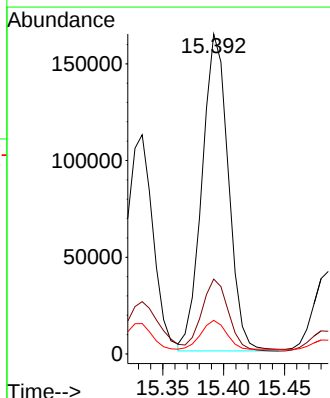
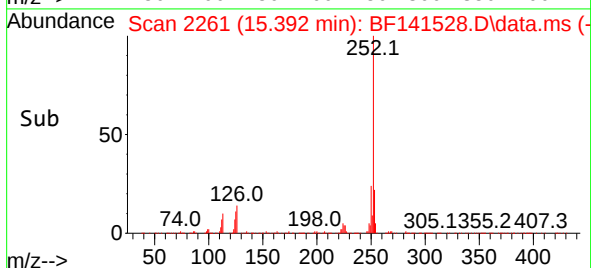
Reviewed By :Anahy Claudio 02/10/2025
Supervised By :mohammad ahmed 02/12/2025

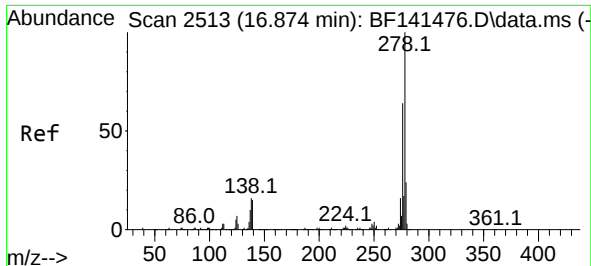


#90
Benzo(a)pyrene
Concen: 40.808 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.029 min
Lab File: BF141528.D
Acq: 08 Feb 2025 00:20



Tgt Ion:252 Resp: 246927
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 10.5 7.4 11.2





#91

Dibenzo(a,h)anthracene

Concen: 6.105 ng

RT: 16.915 min Scan# 2520

Delta R.T. 0.024 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Instrument :

BNA_F

ClientSampleId :

JPP-51.1-012925

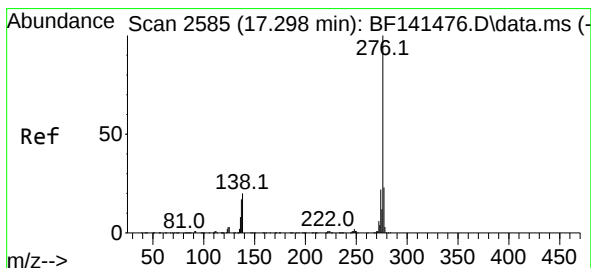
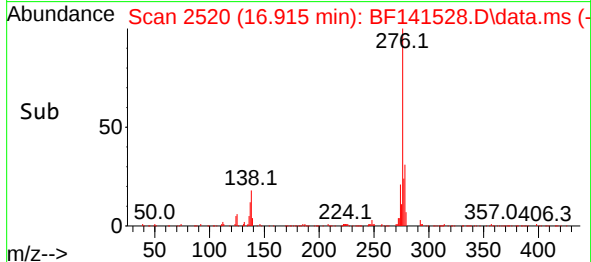
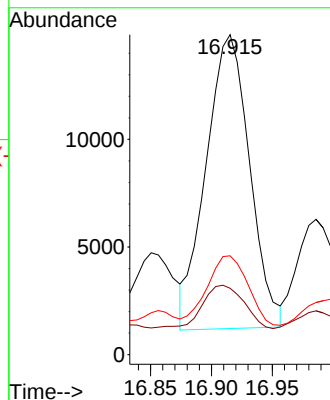
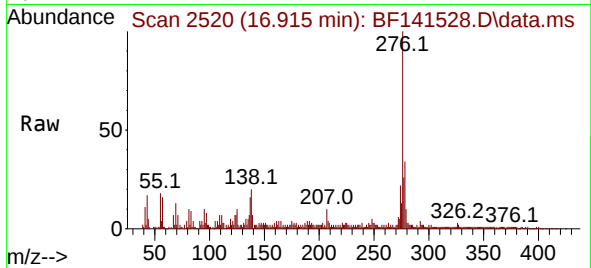
Tgt Ion:	278	Resp:	34039
Ion Ratio	Lower	Upper	
278	100		
139	20.8	11.8	17.6
279	30.9	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Anahy Claudio 02/10/2025

Supervised By :mohammad ahmed 02/12/2025



#92

Benzo(g,h,i)perylene

Concen: 19.839 ng

RT: 17.345 min Scan# 2593

Delta R.T. 0.029 min

Lab File: BF141528.D

Acq: 08 Feb 2025 00:20

Tgt Ion:	276	Resp:	115761
Ion Ratio	Lower	Upper	
276	100		
277	25.2	18.6	28.0
138	20.5	15.9	23.9

