

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
 Data File : BF128967.D
 Acq On : 23 Jun 2022 22:33
 Operator : CG\JU
 Sample : N3431-13
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-2-4

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 06/24/2022
 Supervised By : Jagrut Upadhyay 06/28/2022

Quant Time: Jun 24 04:35:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 24 00:50:48 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.728	152	83544	20.000	ng	0.00
21) Naphthalene-d8	8.016	136	266878	20.000	ng	# 0.00
39) Acenaphthene-d10	9.769	164	125187	20.000	ng	0.00
64) Phenanthrene-d10	11.257	188	192984	20.000	ng	0.00
76) Chrysene-d12	13.904	240	180432	20.000	ng	0.00
86) Perylene-d12	15.351	264	185254	20.000	ng	# 0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.357	112	305905	58.323	ng	0.00
7) Phenol-d6	6.381	99	365123	57.029	ng	0.00
23) Nitrobenzene-d5	7.292	82	267531	46.673	ng	-0.01
42) 2,4,6-Tribromophenol	10.563	330	62622	42.337	ng	0.00
45) 2-Fluorobiphenyl	9.092	172	392940	43.969	ng	0.00
79) Terphenyl-d14	12.845	244	349754	33.683	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	9.804	154	28435	3.979	ng	# 87
58) Fluorene	10.316	166	42970	5.395	ng	# 74
71) Phenanthrene	11.280	178	219126	22.638	ng	96
72) Anthracene	11.333	178	55886m	5.833	ng	
75) Fluoranthene	12.474	202	154127	15.233	ng	96
78) Pyrene	12.704	202	281711	20.986	ng	99
81) Benzo(a)anthracene	13.898	228	297176	26.423	ng	# 92
83) Chrysene	13.933	228	361559	33.719	ng	# 92
87) Indeno(1,2,3-cd)pyrene	16.762	276	51758	4.635	ng	97
88) Benzo(b)fluoranthene	14.933	252	158741m	13.410	ng	
89) Benzo(k)fluoranthene	14.951	252	39008m	3.503	ng	
90) Benzo(a)pyrene	15.292	252	161509	17.359	ng	# 90
91) Dibenzo(a,h)anthracene	16.762	278	44961	4.855	ng	# 71
92) Benzo(g,h,i)perylene	17.192	276	71180	7.754	ng	93

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

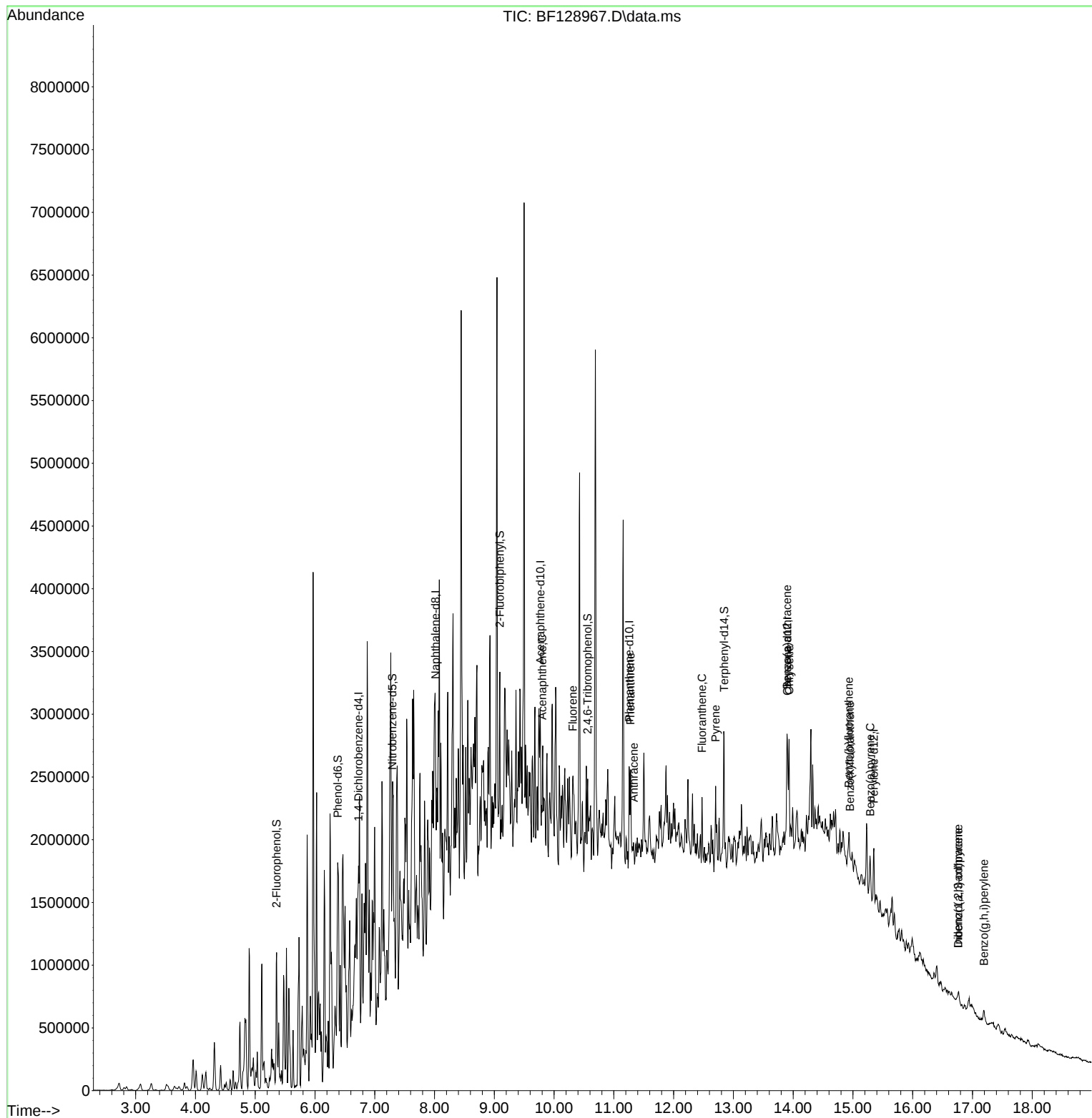
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128967.D
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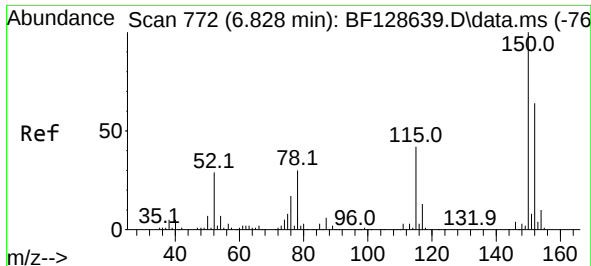
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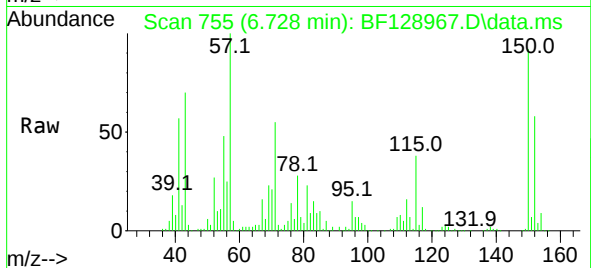
Quant Time: Jun 24 04:35:58 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 24 00:50:48 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.728 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

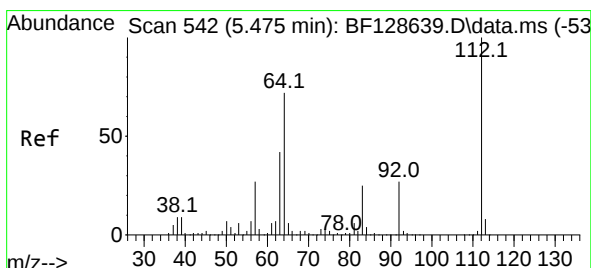
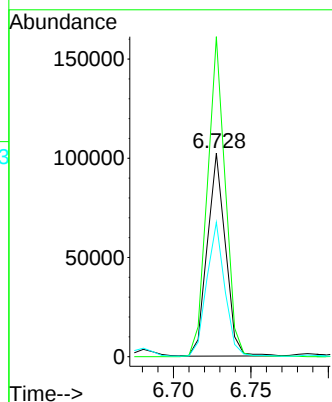
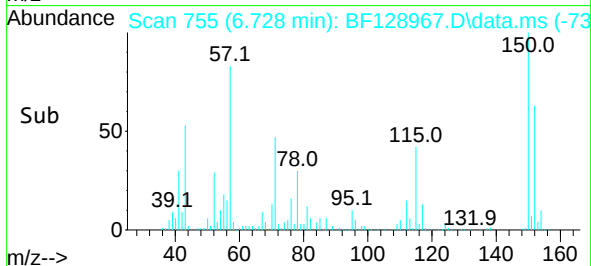
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BNA_F
ClientSampleId :
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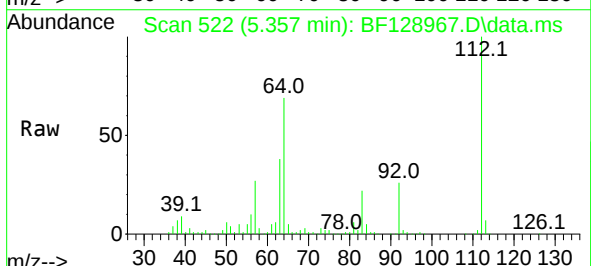
Tgt Ion:152 Resp: 83544
Ion Ratio Lower Upper
152 100
150 157.2 123.7 185.5
115 66.0 49.9 74.9

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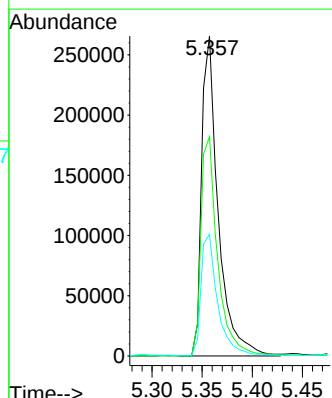
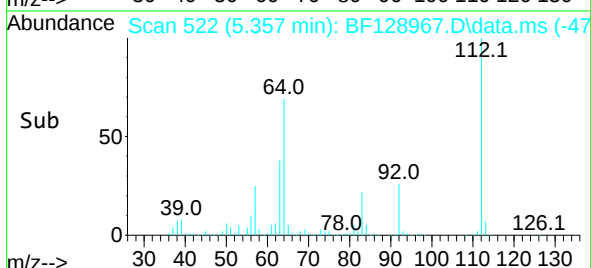
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

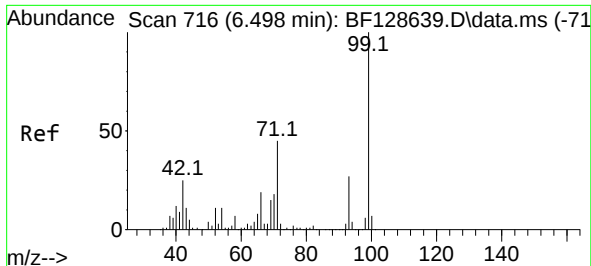


#5
2-Fluorophenol
Concen: 58.323 ng
RT: 5.357 min Scan# 522
Delta R.T. -0.000 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



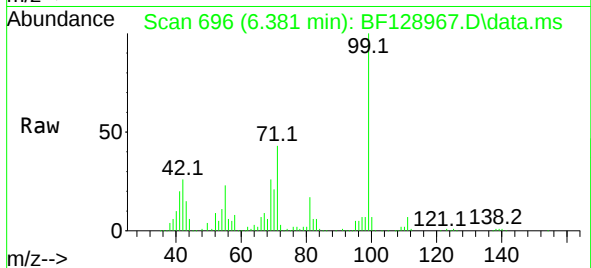
Tgt Ion:112 Resp: 305905
Ion Ratio Lower Upper
112 100
64 68.6 53.3 79.9
63 38.1 28.0 42.0





#7
Phenol-d6
Concen: 57.029 ng
RT: 6.381 min Scan# 64
Delta R.T. -0.006 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

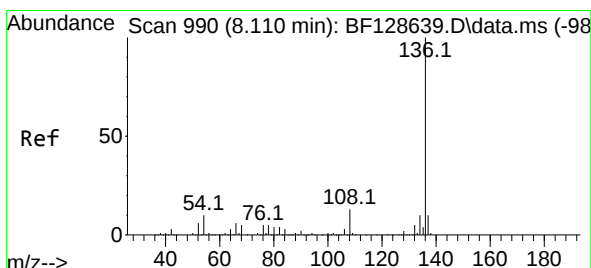
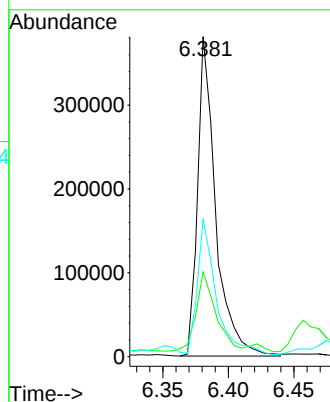
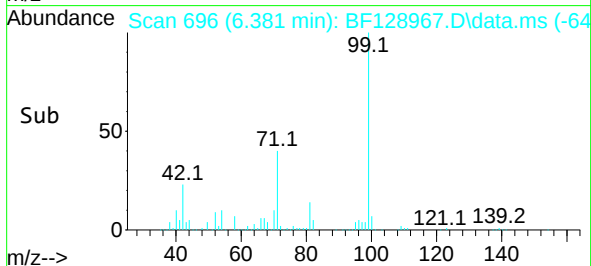
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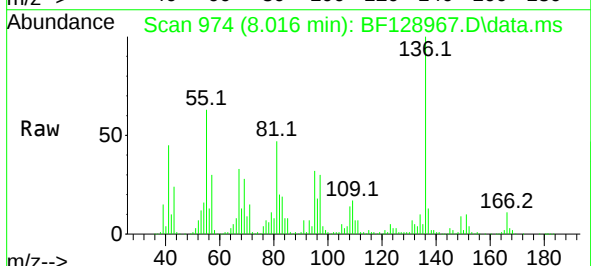
Tgt Ion: 99 Resp: 36512
Ion Ratio Lower Upper
99 100
42 26.5 17.3 25.9#
71 42.8 28.9 43.3

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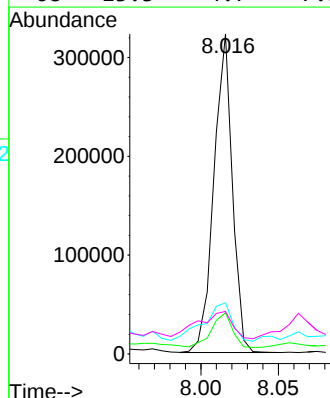
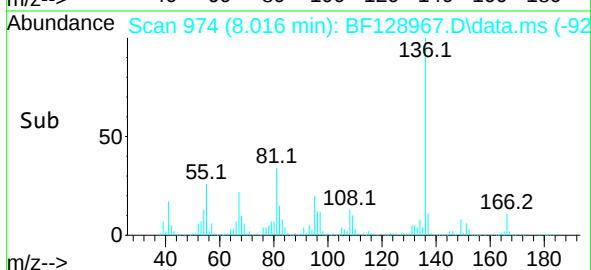
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

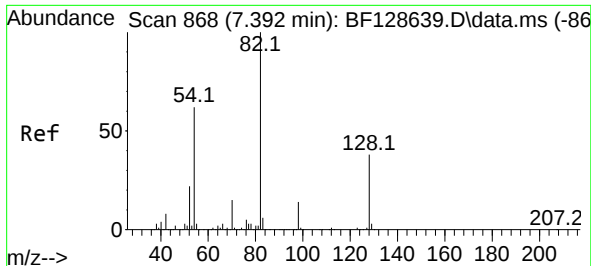


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.016 min Scan# 974
Delta R.T. 0.006 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



Tgt Ion:136 Resp: 266878
Ion Ratio Lower Upper
136 100
137 12.9 8.8 13.2
54 15.9 7.5 11.3#
68 13.3 4.7 7.1#





#23

Nitrobenzene-d5

Concen: 46.673 ng

RT: 7.292 min Scan# 81

Delta R.T. -0.012 min

Lab File: BF128967.D

Acq: 23 Jun 2022 22:33

Instrument :

BNA_F

ClientSampleId :

WC-14B-2-4

Tgt Ion: 82 Resp: 26753

Ion Ratio Lower Upper

82 100

128 36.7 34.0 51.0

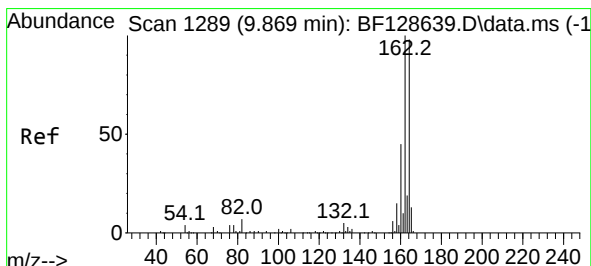
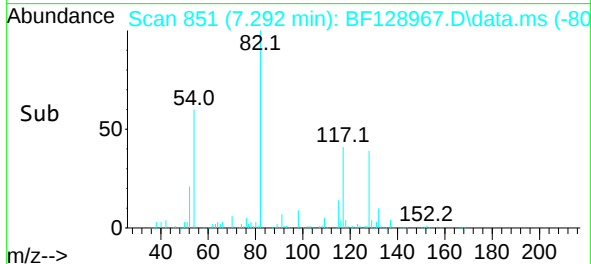
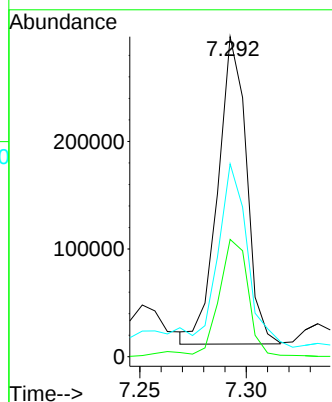
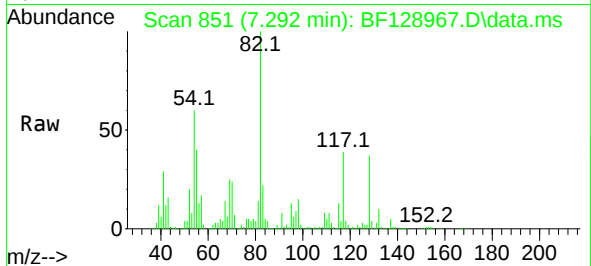
54 60.2 46.9 70.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.769 min Scan# 1272

Delta R.T. -0.000 min

Lab File: BF128967.D

Acq: 23 Jun 2022 22:33

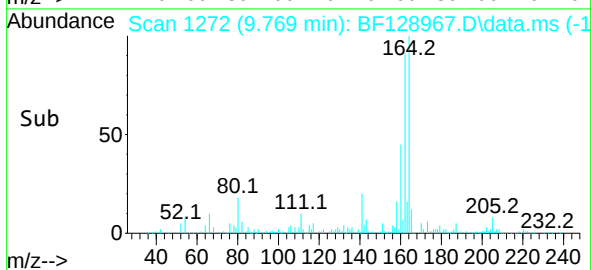
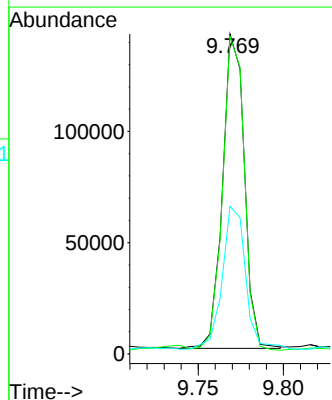
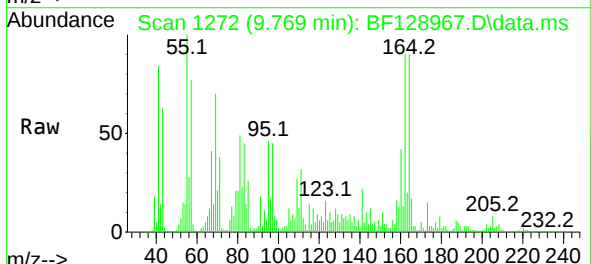
Tgt Ion:164 Resp: 125187

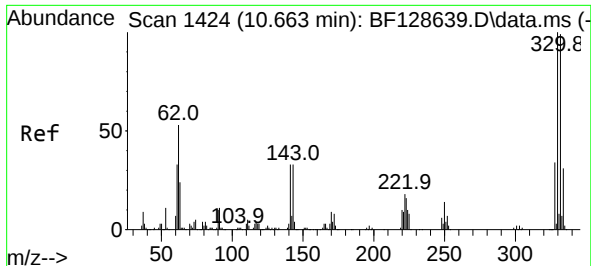
Ion Ratio Lower Upper

164 100

162 99.2 79.5 119.3

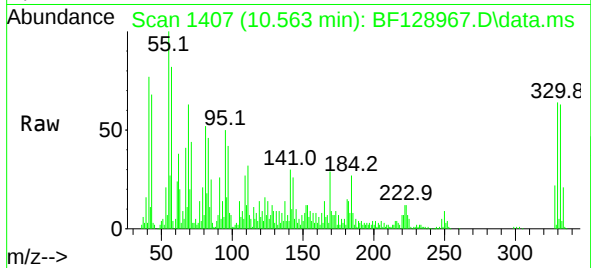
160 46.1 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 42.337 ng
RT: 10.563 min Scan# 1424
Delta R.T. -0.000 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

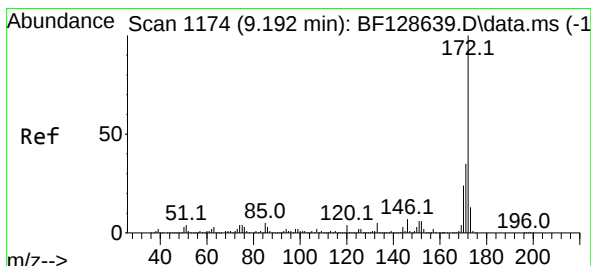
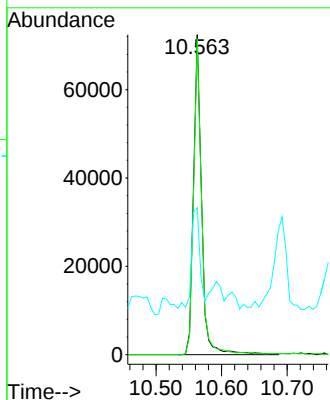
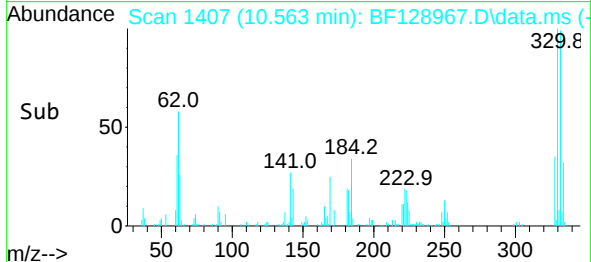
Instrument :
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WC-14B-2-4



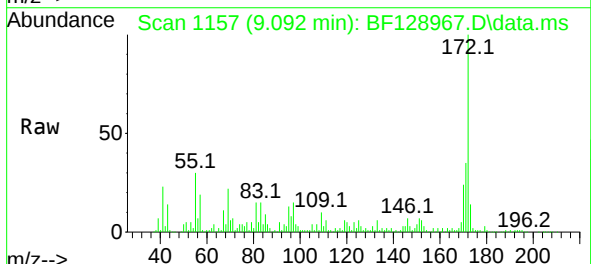
Tgt Ion: 330 Resp: 6262
Ion Ratio Lower Upper
330 100
332 96.8 76.8 115.2
141 32.3 28.0 42.0

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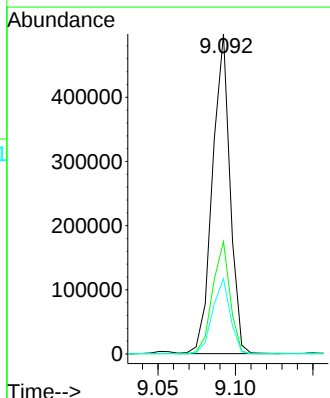
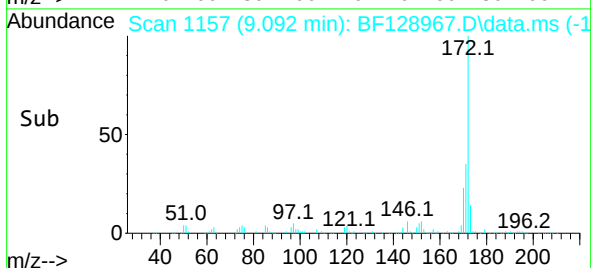
Reviewed By : Christian Giraldo 06/24/2022
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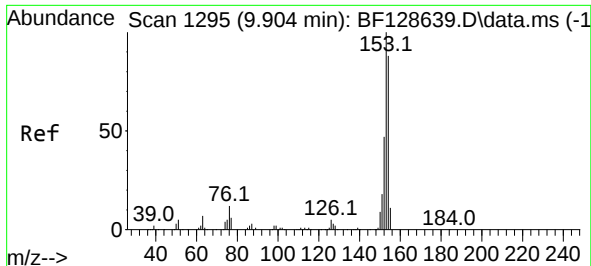


#45
2-Fluorobiphenyl
Concen: 43.969 ng
RT: 9.092 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



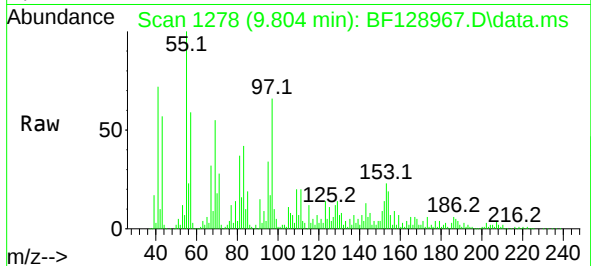
Tgt Ion: 172 Resp: 392940
Ion Ratio Lower Upper
172 100
171 35.1 28.8 43.2
170 23.5 19.8 29.8





#52
Acenaphthene
Concen: 3.979 ng
RT: 9.804 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

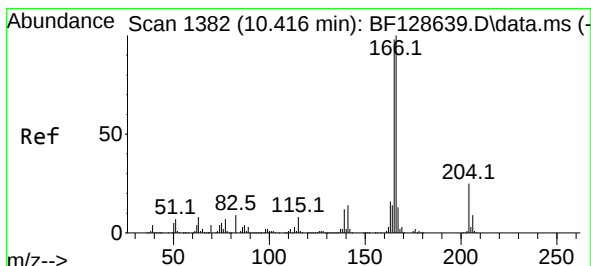
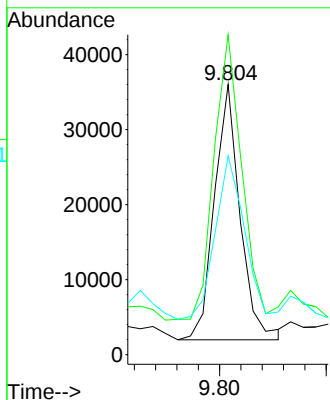
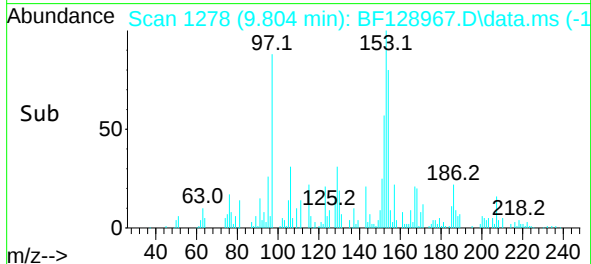
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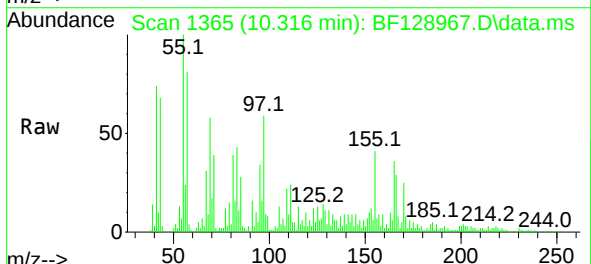
Tgt Ion:154 Resp: 2843
Ion Ratio Lower Upper
154 100
153 118.4 89.6 134.4
152 73.6 42.4 63.6

Manual Integrations
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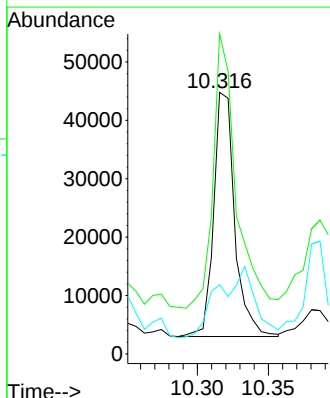
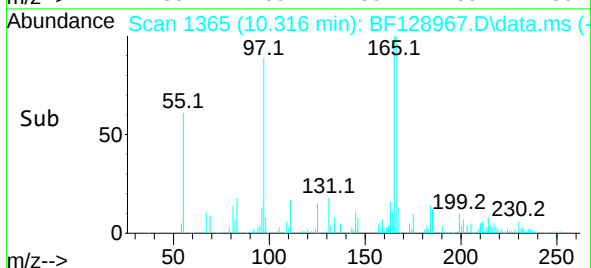
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

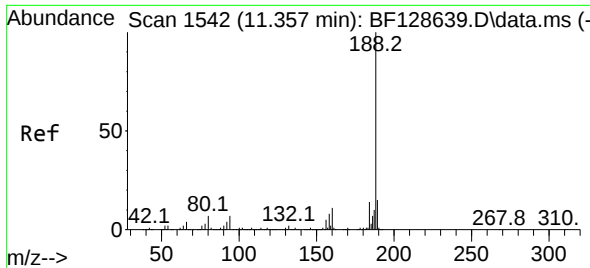


#58
Fluorene
Concen: 5.395 ng
RT: 10.316 min Scan# 1365
Delta R.T. -0.000 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



Tgt Ion:166 Resp: 42970
Ion Ratio Lower Upper
166 100
165 122.3 78.1 117.1#
167 26.5 10.5 15.7#





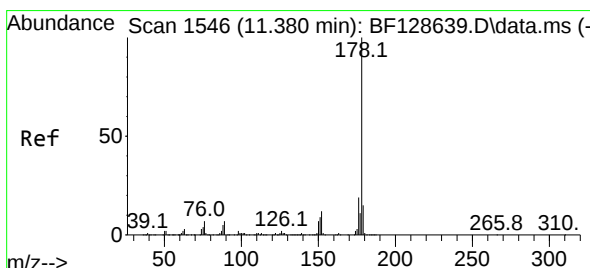
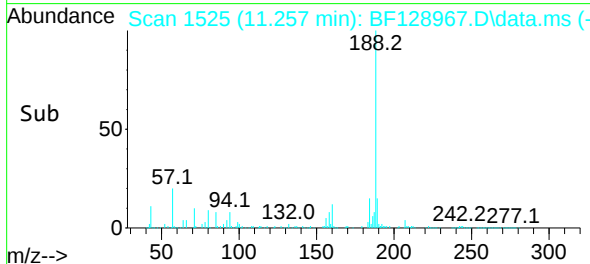
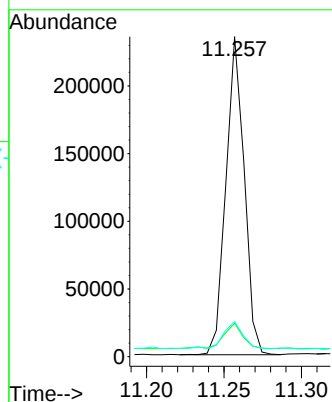
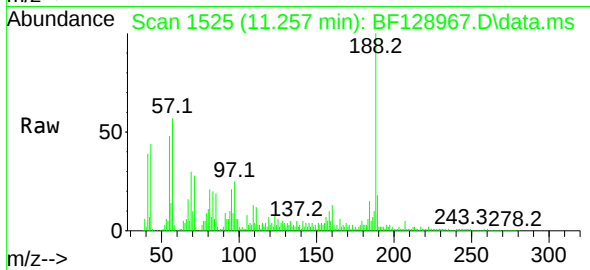
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.257 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

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Tgt Ion:188 Resp: 192984
Ion Ratio Lower Upper
188 100
94 10.5 7.0 10.6
80 11.0 7.6 11.4

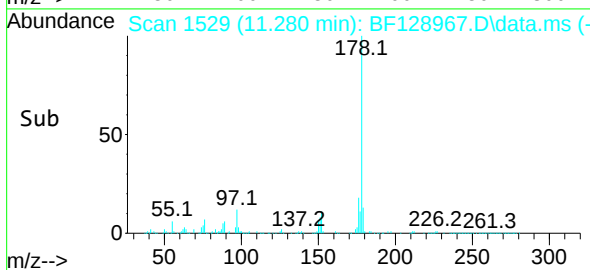
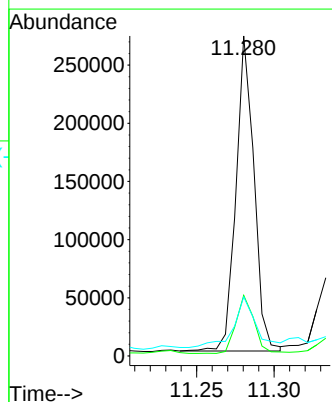
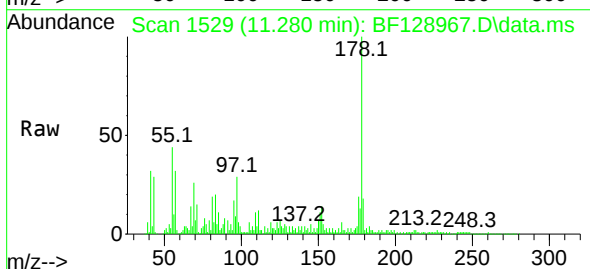
Manual Integrations
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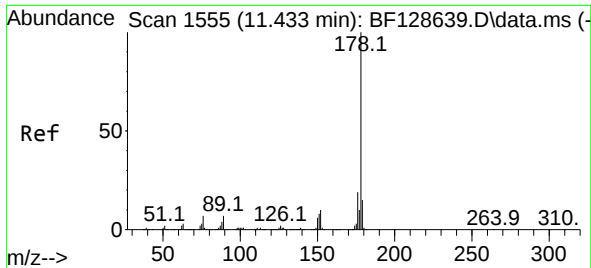
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022



#71
Phenanthrene
Concen: 22.638 ng
RT: 11.280 min Scan# 1529
Delta R.T. -0.000 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

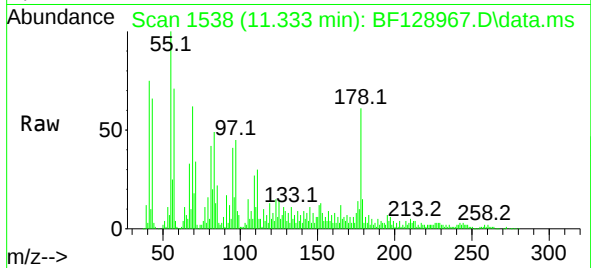
Tgt Ion:178 Resp: 219126
Ion Ratio Lower Upper
178 100
176 18.9 16.0 24.0
179 18.5 12.6 19.0





#72
 Anthracene
 Concen: 5.833 ng m
 RT: 11.333 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF128967.D
 Acq: 23 Jun 2022 22:33

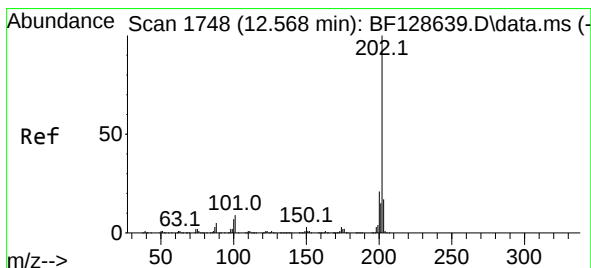
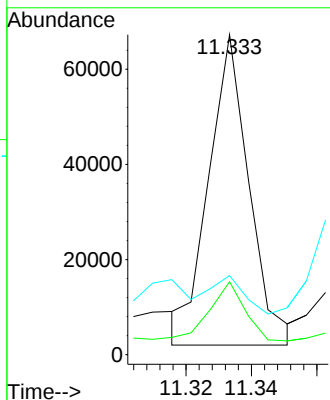
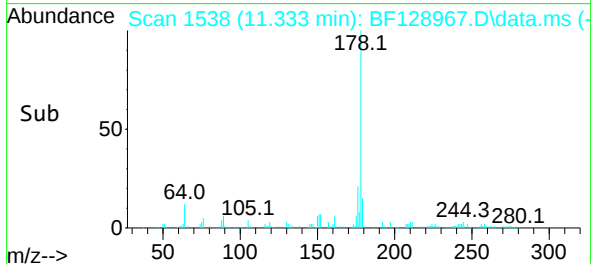
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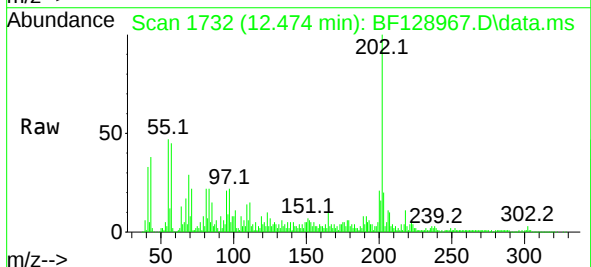
Tgt Ion:178 Resp: 55880
 Ion Ratio Lower Upper
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 176 22.8 15.4 23.2
 179 24.7 12.6 19.0

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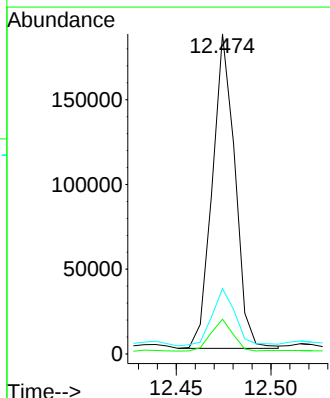
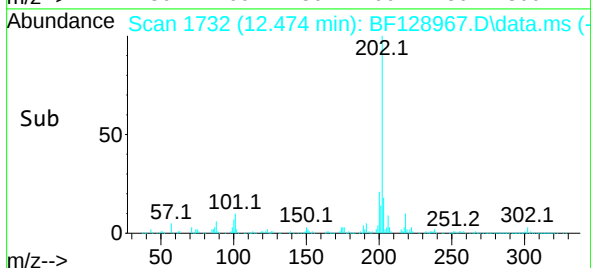
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

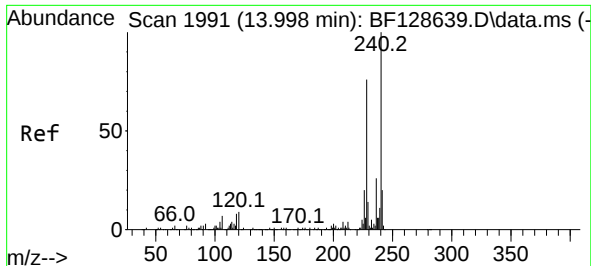


#75
 Fluoranthene
 Concen: 15.233 ng
 RT: 12.474 min Scan# 1732
 Delta R.T. 0.006 min
 Lab File: BF128967.D
 Acq: 23 Jun 2022 22:33



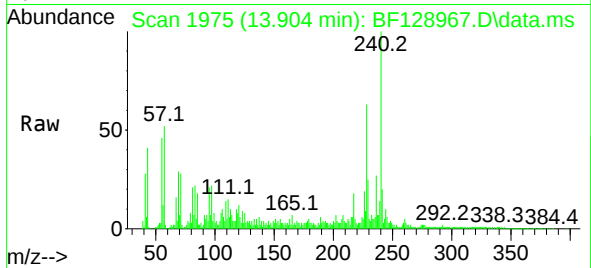
Tgt Ion:202 Resp: 154127
 Ion Ratio Lower Upper
 202 100
 101 10.9 0.0 31.4
 203 20.4 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.904 min Scan# 1991
Delta R.T. 0.006 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

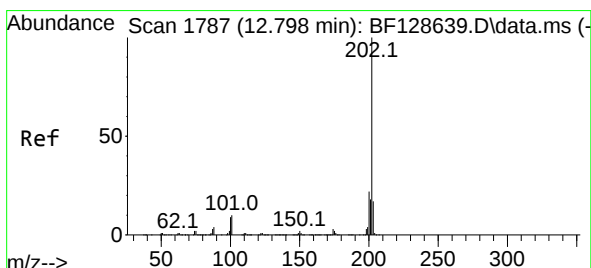
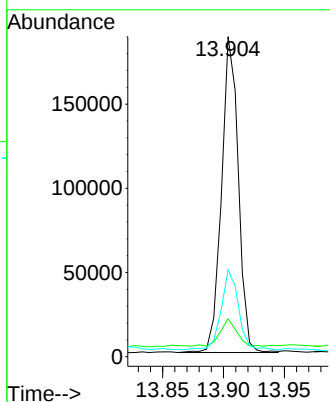
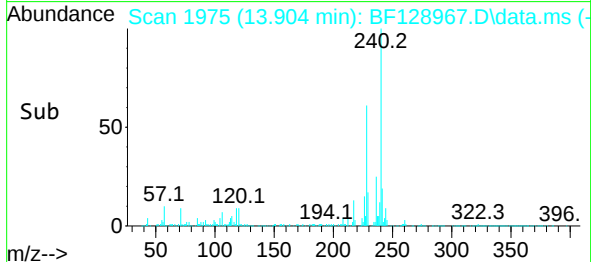
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-4



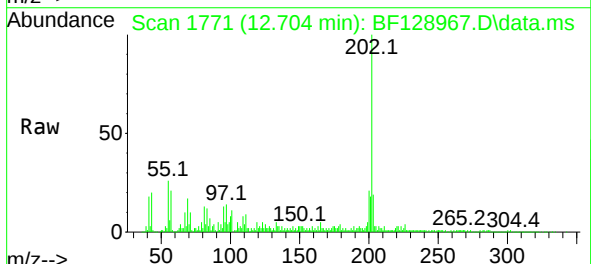
Tgt Ion:240 Resp: 180431
Ion Ratio Lower Upper
240 100
120 11.8 8.9 13.3
236 27.1 20.8 31.2

Manual Integrations
APPROVED

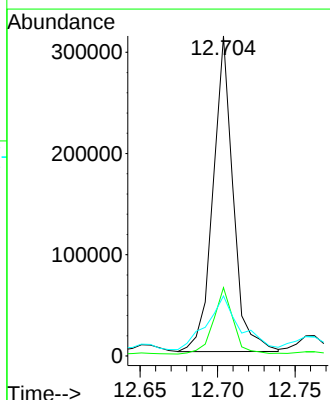
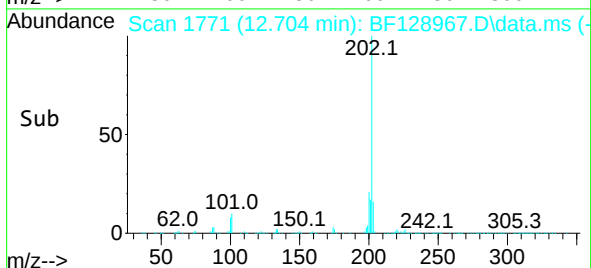
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

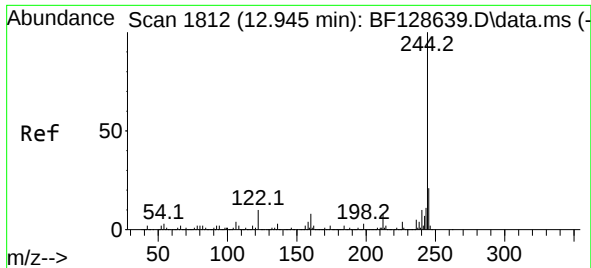


#78
Pyrene
Concen: 20.986 ng
RT: 12.704 min Scan# 1771
Delta R.T. 0.006 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



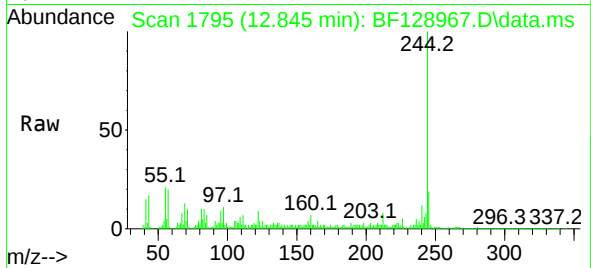
Tgt Ion:202 Resp: 281711
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 18.8 14.6 21.8





#79
 Terphenyl-d14
 Concen: 33.683 ng
 RT: 12.845 min Scan# 1795
 Delta R.T. 0.006 min
 Lab File: BF128967.D
 Acq: 23 Jun 2022 22:33

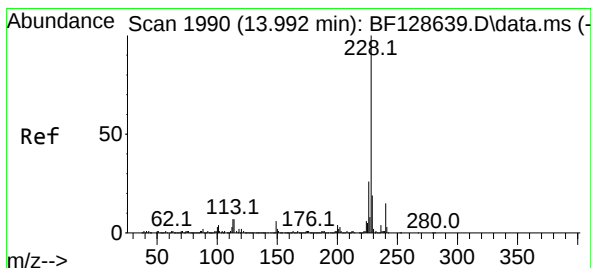
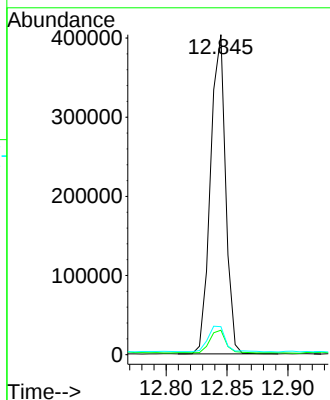
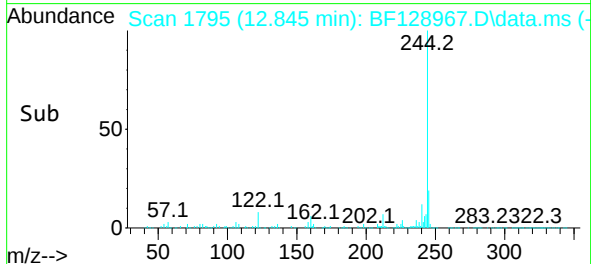
Instrument :
 BNA_F
 ClientSampleId :
 WC-14B-2-4



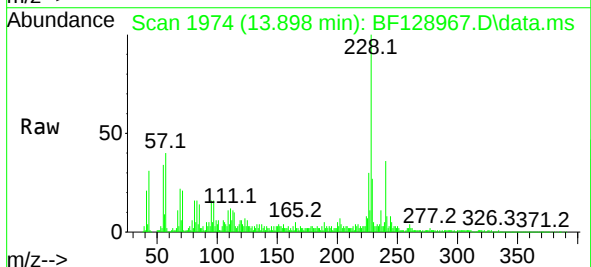
Tgt Ion:244 Resp: 349754
 Ion Ratio Lower Upper
 244 100
 212 7.7 6.1 9.1
 122 8.7 8.8 13.2

Manual Integrations
 APPROVED

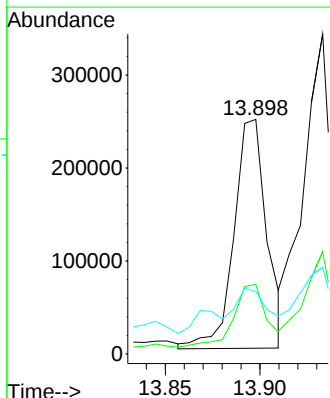
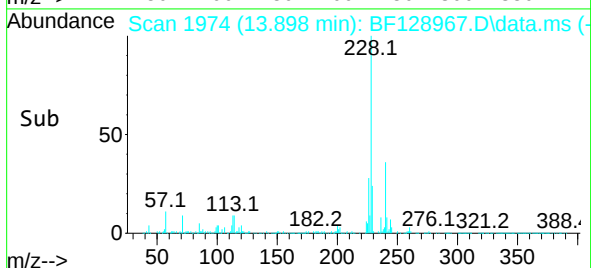
Reviewed By :Christian Giraldo 06/24/2022
 Supervised By :Jagrut Upadhyay 06/28/2022

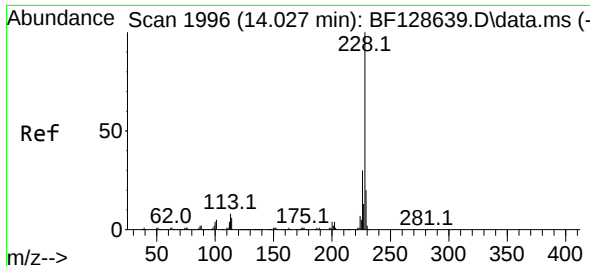


#81
 Benzo(a)anthracene
 Concen: 26.423 ng
 RT: 13.898 min Scan# 1974
 Delta R.T. 0.012 min
 Lab File: BF128967.D
 Acq: 23 Jun 2022 22:33



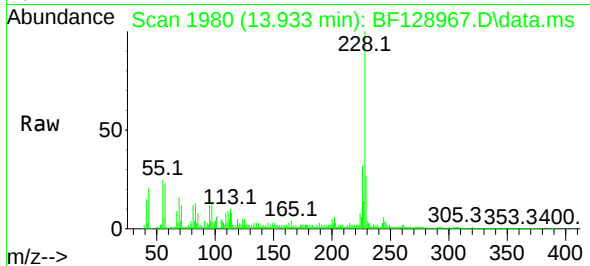
Tgt Ion:228 Resp: 297176
 Ion Ratio Lower Upper
 228 100
 226 29.6 22.1 33.1
 229 26.7 15.8 23.8





#83
Chrysene
Concen: 33.719 ng
RT: 13.933 min Scan# 1996
Delta R.T. 0.006 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

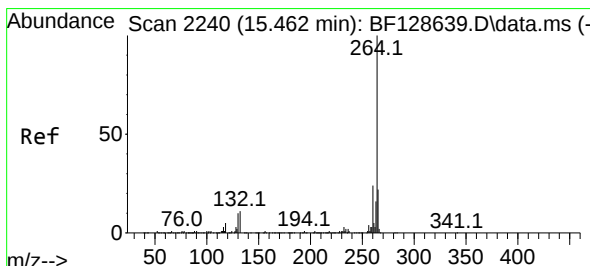
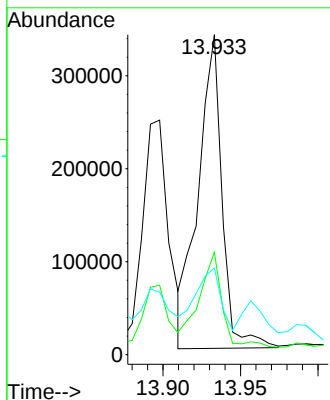
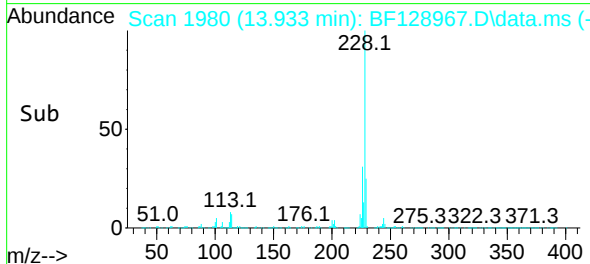
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-4



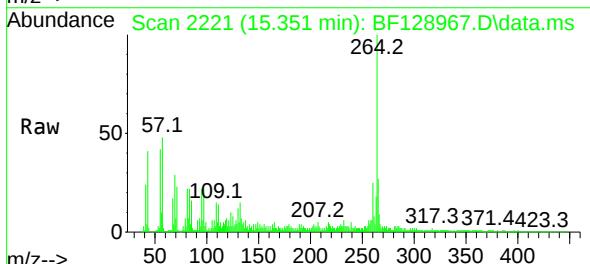
Tgt Ion:228 Resp: 36155
Ion Ratio Lower Upper
228 100
226 32.0 24.3 36.5
229 27.1 15.9 23.9

Manual Integrations
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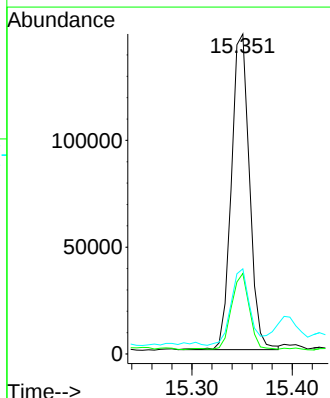
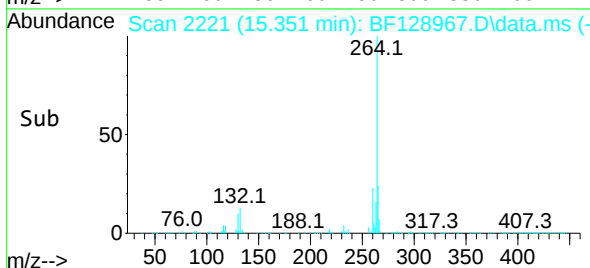
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

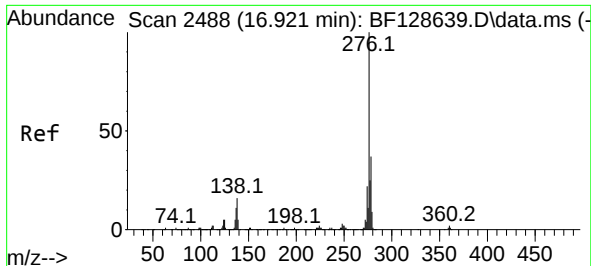


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.351 min Scan# 2221
Delta R.T. 0.023 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



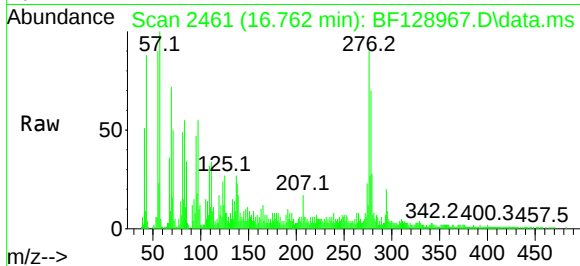
Tgt Ion:264 Resp: 185254
Ion Ratio Lower Upper
264 100
260 25.1 18.4 27.6
265 26.6 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.635 ng
RT: 16.762 min Scan# 2488
Delta R.T. 0.018 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

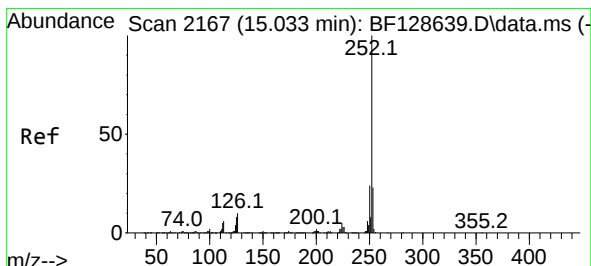
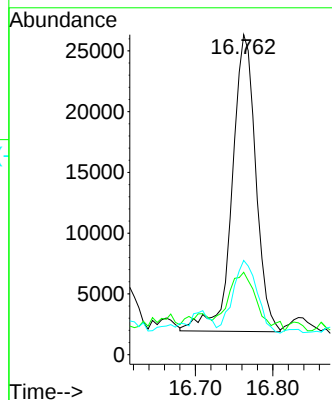
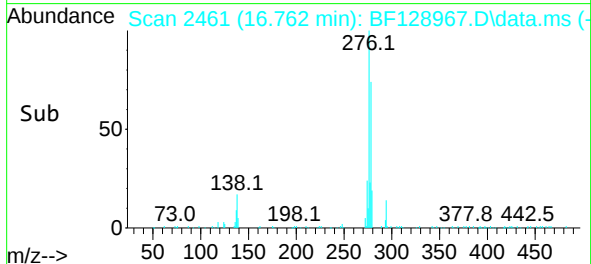
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-4



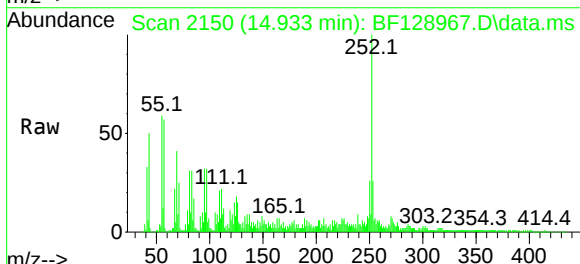
Tgt Ion: 276 Resp: 51758
Ion Ratio Lower Upper
276 100
138 24.0 21.1 31.7
277 25.3 20.3 30.5

Manual Integrations
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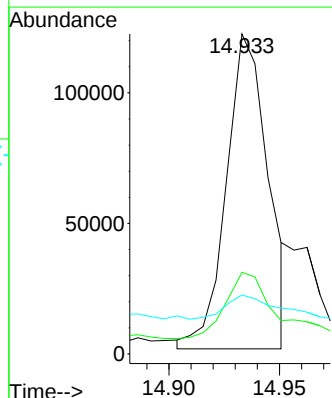
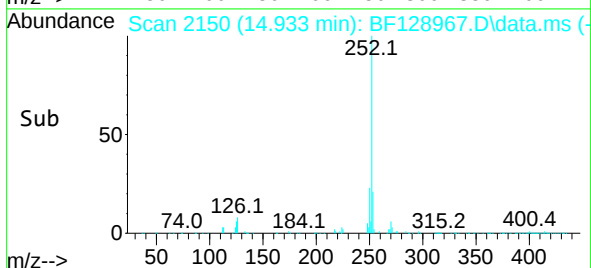
Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022

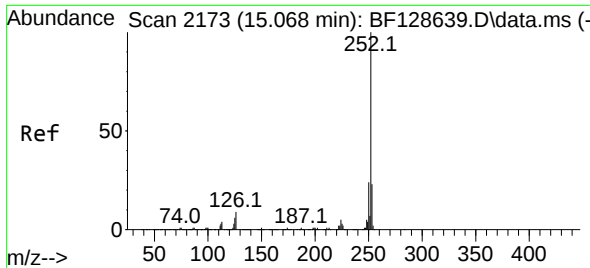


#88
Benzo(b)fluoranthene
Concen: 13.410 ng m
RT: 14.933 min Scan# 2150
Delta R.T. 0.012 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



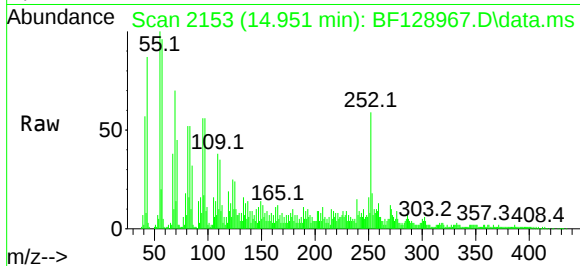
Tgt Ion: 252 Resp: 158741
Ion Ratio Lower Upper
252 100
253 25.5 17.7 26.5
125 18.5 8.0 12.0#





#89
Benzo(k)fluoranthene
Concen: 3.503 ng m
RT: 14.951 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

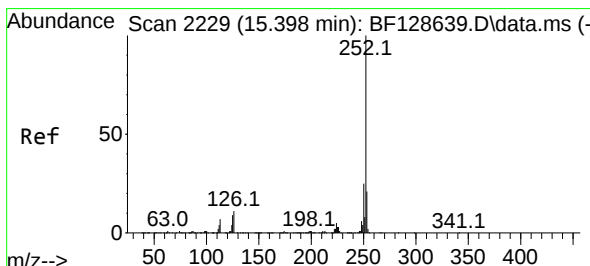
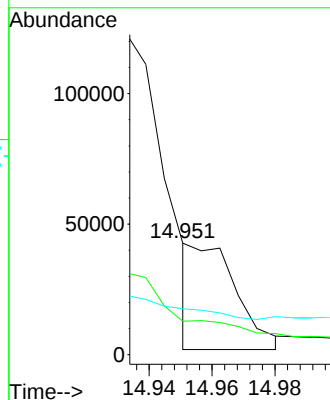
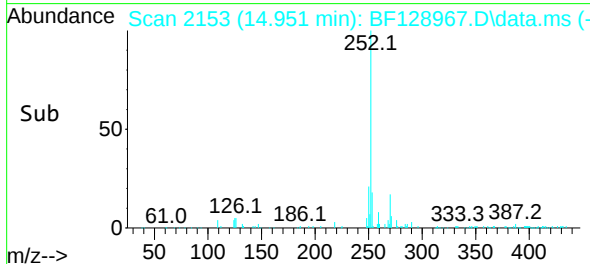
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-4



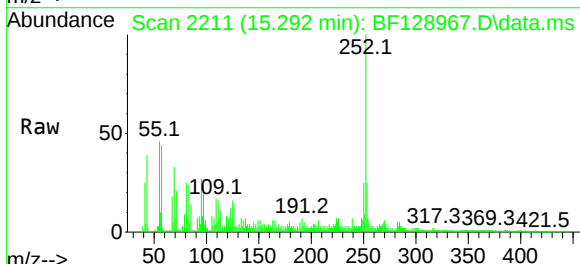
Tgt Ion:252 Resp: 39008
Ion Ratio Lower Upper
252 100
253 30.0 17.8 26.6
125 41.2 8.3 12.5

Manual Integrations
APPROVED

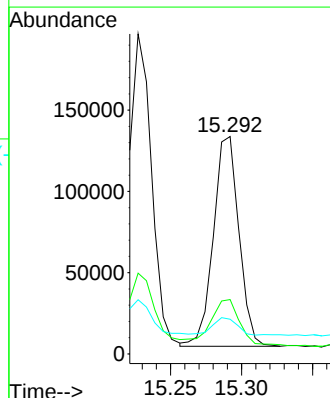
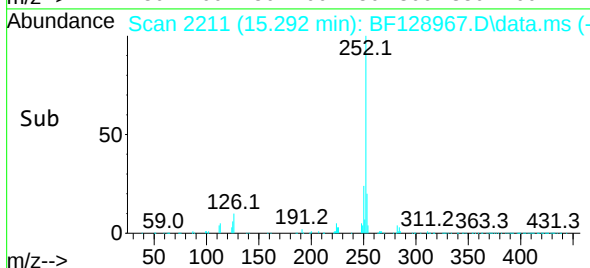
Reviewed By :Christian Giraldo 06/24/2022
Supervised By :Jagrut Upadhyay 06/28/2022

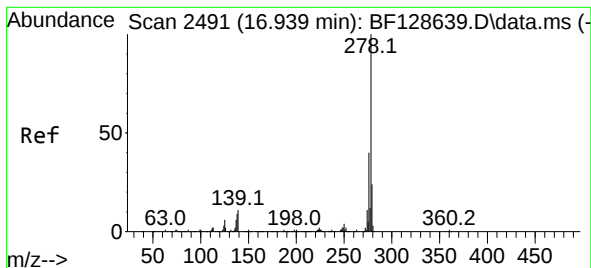


#90
Benzo(a)pyrene
Concen: 17.359 ng
RT: 15.292 min Scan# 2211
Delta R.T. 0.018 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



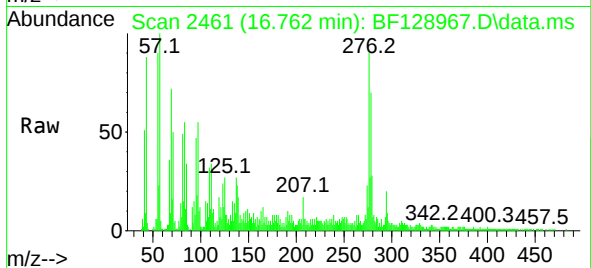
Tgt Ion:252 Resp: 161509
Ion Ratio Lower Upper
252 100
253 25.0 17.0 25.6
125 16.0 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 4.855 ng
RT: 16.762 min Scan# 2491
Delta R.T. 0.012 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33

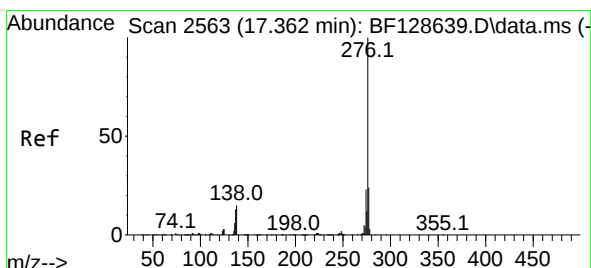
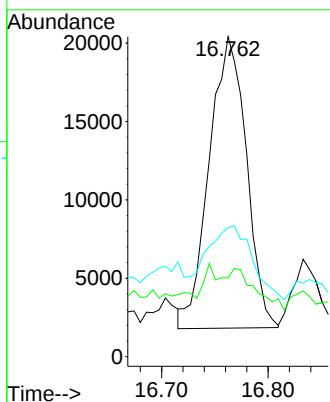
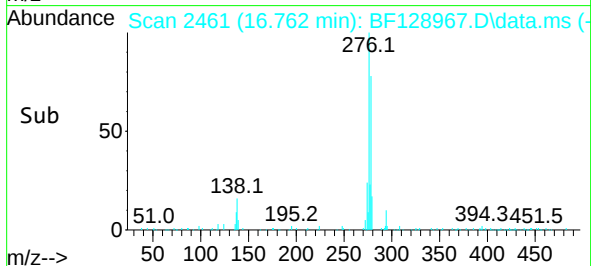
Instrument :
BNA_F
ClientSampleId :
WC-14B-2-4



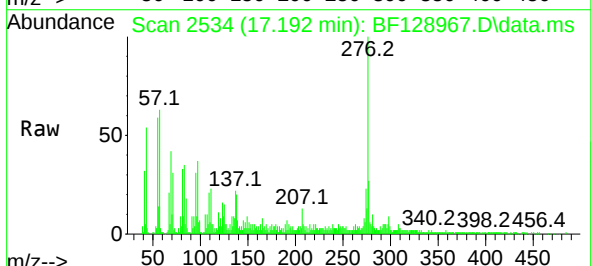
Tgt Ion: 278 Resp: 4496
Ion Ratio Lower Upper
278 100
139 24.7 12.8 19.2
279 40.3 18.6 28.0

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 06/24/2022
Supervised By : Jagrut Upadhyay 06/28/2022



#92
Benzo(g,h,i)perylene
Concen: 7.754 ng
RT: 17.192 min Scan# 2534
Delta R.T. 0.023 min
Lab File: BF128967.D
Acq: 23 Jun 2022 22:33



Tgt Ion: 276 Resp: 71180
Ion Ratio Lower Upper
276 100
277 27.4 19.1 28.7
138 19.6 18.0 27.0

